DOE/EIA - 0617 Distribution Category UC-950

# Oil and Gas Resources of the West Siberian Basin, Russia

November 1997

Energy Information Administration Office of Oil and Gas U. S. Department of Energy Washington, DC 20585

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the U.S. Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should not be construed as advocating or reflecting any policy of the Department of Energy or any other organization.

## Preface

*Oil and Gas Resources of the West Siberian Basin, Russia* is part of the Energy Information Administration's (EIA's) Foreign Energy Supply Assessment Program (FESAP). The primary objective of this study is to assess the oil and gas potential of the West Siberian Basin of Russia. The study does not analyze the costs or technology necessary to achieve the estimates of the ultimate recoverable oil and gas.

This is the second report on an oil and gas province in the former Soviet Union. The first, *Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadzhikistan, and Kyrgyzstan)*, was published in January 1995.

Russia's West Siberian Basin contains sufficient oil and natural gas to affect world petroleum markets. The basin supplies approximately 70 percent of the oil and 90 percent of the gas production for Russia. Decreases in produced volumes from the basin would require that the demand for petroleum in Russia be met from other sources. Likewise, increases in production would increase the amount of oil or gas for export into international markets.

This study uses reservoir data to estimate recoverable oil and gas quantities which were aggregated to the field level. Field totals were summed to a basin total for discovered fields. An estimate of undiscovered oil and gas, from work of the United States Geological Survey (USGS), was added to give a total basin resource volume. Recent production decline points out Russia's need to continue development of its discovered recoverable oil and gas. Continued exploration is required to discover additional oil and gas that remains undiscovered in the basin. The estimates of recoverable oil and gas for the regions of the basin, the individual fields, and the geologic intervals are intended as a guide to organizations such as oil and gas operating companies, financial institutions, and government agencies. In addition to the estimates of maximum recovery, the reported and estimated reservoir parameters are a valuable reference source. The appendices contain the estimates of ultimate recovery by field and frequency distributions of the reservoir data. Additionally, a computer diskette contains the reported and estimated parameters for each productive reservoir.

Several independent petroleum engineers and geologists with experience in West Siberia have reviewed the analysis and contributed many useful suggestions which have been incorporated in the report. Retired and current staff of the USGS also assisted in reviewing this report. The assistance of all of these professionals is gratefully acknowledged. Special thanks is given to Dr. James W. Clarke and Dr. James A. Peterson, USGS retired, who contributed Appendix A, Petroleum Geology in its entirety.

Publication of this report is in keeping with responsibilities given the Energy Information Administration (EIA) in Public Law 95-91/Section 205(a) and Section 657(2)a for estimating foreign energy supply information. General information about this publication may be obtained from Joan Heinkel, Director of the Reserves and Natural Gas Division, (202) 586-6090, or John Wood, Director of the Dallas Field Office, (214) 720-6150. Specific information regarding the content or preparation of this report may be obtained from Floyd Wiesepape, (214) 720-6166, fax (214) 720-6155, or

E-mail fwiesepa@eia.doe.gov.

## Contents

|    |                                     | Page |
|----|-------------------------------------|------|
| Ex | xecutive Summary                    | ix   |
| 1. | Overview of the West Siberian Basin | 1    |
|    | Background                          | 1    |
|    | Geographic Setting                  | 1    |
|    | Geology                             | 1    |
|    | Production History                  | 1    |
|    | Economic Significance               | 2    |
|    | Largest Fields                      | 3    |
| 2. | Analysis Discussion                 | 4    |
|    | Basic Methods and Categories        | 4    |
|    | Basin Subdivisions                  | 4    |
|    | Production by Area                  | 6    |
| 3. | Data Description                    | 9    |
|    | Available Data                      | 9    |
|    | Estimated Data                      | 9    |
|    | Data Correlations                   | 10   |
| 4. | Ultimate Recovery Determination     | 11   |
|    | Methodology                         | 11   |
|    | Oil Reserves                        | 11   |
|    | Primary Recovery                    | 11   |
|    | Improved Recovery                   | 11   |
|    | Recovery Efficiency                 | 11   |
|    | Producing Fields                    | 12   |
|    | Nonproducing Fields (Undeveloped)   | 12   |
|    | Discovered Fields                   | 12   |
|    | Undiscovered Resources              | 12   |
|    | Remaining Resources                 | 12   |
|    | Gas Recovery                        | 12   |
|    | Producing Fields                    | 12   |
|    | Nonproducing Fields (Undeveloped)   | 12   |
|    | Discovered Fields                   | 12   |
|    | Undiscovered Resources              | 12   |
|    | Remaining Resources                 | 13   |
|    | Condensate Recovery                 | 13   |
|    | Field Size Distribution             | 14   |
|    | Geographic Distribution             | 16   |
| 5. | Production Projections              | 17   |
|    | Future Discoveries                  | 17   |
|    | Future Production                   | 17   |
|    | Oil and Condensate                  | 17   |
|    | Gas                                 | 21   |
| 6. | Summary                             | 24   |

#### Page

| References |                     |   |
|------------|---------------------|---|
| Appendices |                     |   |
|            | oleum Geology       |   |
| B. Dat     | a Analysis          |   |
| C. Cal     | culation Procedures | 1 |
| D. Fiel    | d Summaries         | 1 |
|            |                     |   |
| Glossary   |                     | 2 |

#### Page

#### Tables

| 1. | Regions Within Areas of the West Siberian Basin   | 6  |
|----|---|----|
| 2. | Geologic Units Combined Within Productive Areas of the West Siberian Basin for Data Analysis  | 6  |
| 3. | Stratigraphic Chart Linking Geologic Age with Pay Zone Identifiers, by Area and Region, West  |    |
|    | Siberian Basin  | 7  |
| 4. | Percentage of Reservoirs with Data Available within Major Geologic Intervals of the           |    |
|    | West Siberian Basin   | 10 |
| 5. | Average Reservoir Recovery by Regions of the West Siberian Basin as a Percent of Original Oil |    |
|    | or Gas in Place   | 11 |
| 6. | Estimated Oil and Condensate Resources in the West Siberian Basin, End of 1994                | 13 |
| 7. | Estimated Natural Gas Resources in the West Siberian Basin, End of 1993                       | 14 |
| 8. | Discovered Oil and Gas by Region and Area, West Siberian Basin                                | 16 |
|    |   |    |

#### Figures

| 1.  | Location of the West Siberian Basin in Russia   | 2  |
|-----|---|----|
| 2.  | Map of the Oil and Gas Regions of the West Siberian Basin                               | 5  |
| 3.  | Location of Oil and Gas Fields in the West Siberian Basin                               | 8  |
| 4.  | Crude Oil Field Size Distribution for Discovered Fields, West Siberian Basin            | 15 |
| 5.  | Gas Field Size Distribution for Discovered Fields, West Siberian Basin                  | 15 |
| 6.  | Cumulative Discovered Crude Oil, West Siberian Basin                                    | 18 |
| 7.  | Cumulative Discovered Natural Gas, West Siberian Basin                                  | 18 |
| 8.  | Ultimate Oil and Condensate Discoveries and Theoretical Production, West Siberian Basin | 19 |
| 9.  | Projected Oil Production, West Siberian Basin   | 20 |
| 10. | Projected Cumulative Oil and Condensate Production, West Siberian Basin                 | 20 |
| 11. | Ultimate Gas Discoveries and Theoretical Production, West Siberian Basin                | 22 |
| 12. | Projected Gas Production, West Siberian Basin   | 23 |
| 13. | Projected Gas Cumulative Production, West Siberian Basin                                | 23 |

## **Executive Summary**

This analysis, prepared in cooperation with the U. S. Geological Survey (USGS), is part of the Energy Information Administration's (EIA's) Foreign Energy Supply Assessment Program (FESAP). The purpose of the program is to review the potential of major oil and gas provinces around the world. This report aggregates calculated reservoir-level results to field and then to basin level. The production projections establish a possible range of potential.

By area and resources, the West Siberian Basin is the largest oil and gas producing province in the Russian Federation of the former Soviet Union. Approximately 70 percent of the oil and 90 percent of the gas produced in Russia come from the West Siberian Basin. Petroleum consumption in Russia in 1995 of approximately 1.07 billion barrels of oil and 14.5 trillion cubic feet of natural gas was exceeded by production from the basin of approximately 1.5 billion barrels and 21 trillion cubic feet per year. The United States consumption of petroleum in 1995 was 6.5 billion barrels with production of 2.4 billion barrels of oil and 18.8 trillion cubic feet of gas. Production from the basin supplies Russia, other parts of the former Soviet Union, and Europe as well as other parts of the world. World supplies would have to be redirected to maintain a balance of supply if oil and gas production were not available from the basin.

Discoveries in the basin total 634 oil fields and 147 gas fields. Individual reservoir data are available in 70 percent of the fields. The data represents over 1500 reservoirs or approximately three productive reservoirs per field that has data reported. The decline of oil production from the producing fields from 3.1 to 1.5 billion barrels per year (8.5 to 4.1 million barrels per day) between 1988 and 1994 and a slight decline from 22.6 to 21.9 trillion cubic feet per year (61.9 to 60.0 billion cubic feet per day) of gas between 1991 and 1993 cause concern about the potential of the basin as a long term supplier of oil and gas. However, the sum of the estimated ultimate recovery (EUR) from discovered fields by EIA and undiscovered resources estimated by the USGS indicate that significant potential remains in the West Siberian Basin (Table ES1).

Remaining oil and condensate EUR are 65.5 billion barrels. Remaining EUR of undeveloped fields and undiscovered resources of oil and condensate total 101.4 billion barrels. Production projections for oil based on maintaining the current rate or returning to the previous peak producing rate indicate that sufficient oil volume exists to maintain those rates for 35 to 50 years. Recent production decline and maximum estimates of ultimate recovery cause this producing time to be optimistic and longer than the production time estimated for gas. However, to accomplish this ultimate recovery requires significant development of new fields, continued maintenance and development of producing fields, and the application of advanced technology. Continued development will require significant amounts of money and technology advancements. Economic factors are not included in this analysis.

The potential also exists for significant natural gas production. The EUR of developed reserves are 551 trillion cubic feet with 341 trillion cubic feet in undeveloped fields. Undiscovered resources are 1084 trillion cubic feet. The development of the remaining potential could arrest the current decline and maintain production at the current rate for another 32 years. The length of time that the peak rate could be maintained is less than the estimates of time that a peak oil rate could be maintained because the recent gas rate decline has not been as severe as the decline of the oil rate. The gas producing fields are located in the northern portion of the basin, north of the Arctic Circle, and additional development potential exists offshore in the Kara Sea. High development costs and logistical problems can be expected to delay the development of some of the possible and undiscovered gas resources.

Significant condensate production potential exists in the basin. Ultimate recovery was estimated where data were available. Five billion barrels of discovered condensate and four billion barrels in the undiscovered category represent a minimum potential for the basin and are reported as a portion of the EUR. Condensate production was not separated from crude oil production.

The analysis of the oil and gas resources of the West Siberian basin provides a view of the potential of a major resource in Russia which has global implications in a world economy. The included basic data also provide a source of information for additional study in more detail for areas, fields or geologic intervals of interest.

| Table ES1. Estimated Crude Oil, Condensate, and Natural Gas Resources of the West Siberian Basin, |
|---|
| as of Year End 1994 (Oil) and 1993 (Gas)  |

| Resource Description                  | Oil and Condensate<br>Billion Barrels | Natural Gas<br>Trillion Cubic Feet |
|---------------------------------------|---------------------------------------|------------------------------------|
| Cumulative Production                 | 49.3                                  | 214                                |
| Developed Fields                      | -5.5                                  | 217                                |
| Remaining Estimated Ultimate Recovery | 65.8                                  | 551                                |
| Discovered Undeveloped Fields         |                                       |                                    |
| Estimated Ultimate Recovery           | 51.0                                  | 341                                |
| Undiscovered Resources                |                                       |                                    |
| (USGS, Mean Value)                    | 50.4                                  | 1084                               |
| Basin Total Resources                 | 216.5                                 | 2190                               |

Source: Energy Information Administration, Office of Oil and Gas.

## 1. Overview of the West Siberian Basin

#### Background

The Energy Information Administration (EIA) in cooperation with the U. S. Geological Survey (USGS), has assessed the resources, reserves, and production potential of 14 major oil and gas producing regions outside the United States. This series of assessments was done under EIA's Foreign Energy Supply Assessment Program (FESAP). The basic approach used is to combine historical drilling, discovery, and production data with EIA estimates of ultimate recovery and USGS generated undiscovered resource estimates. Field-level data for discovered oil and gas were used for the previous assessments. Supply projections through depletion were typically formulated for the country or major producing region.

EIA has prepared an assessment of oil and gas resources of one province in the former Soviet Union (FSU). A report on the oil and gas resources of the Fergana Basin<sup>1</sup> in the republics of Uzbekistan, Tajikistan, and Kyrgyzstan was published in January 1995.

#### **Geographic Setting**

In terms of the geographic area and recoverable oil and gas, the largest oil and gas producing province in the FSU is the West Siberian Basin in the Russian Federation (Russia). Not only is it the largest in the FSU but it also is one of the largest in the world, from about 52° N. to 73° N. latitude and about 60 E. to 90 E. longitude (Figure 1).. The basin covers an area of approximately 1.3 million square miles, more than twice the size of the entire state of Alaska. The basin extends eastward from the Ural Mountains to the Yenisey River and northward from the Kazakh Uplands and the Altai and Sayan Mountains into the Kara Sea, a distance of roughly 1,500 miles. A comparison of similar latitudes to North America would place the West Siberian basin from Vancouver Island (off the northwest coast of the state of Washington) north to latitudes in the Beaufort Sea, off northern Alaska.

Topographically, the basin forms a nearly perfect plain, with an imperceptible slope to the north. This is the world's largest area of unbroken flat terrain. It is characterized by waterlogged soils, shallow lakes, and extensive swamps. Winters last seven to nine months with mean temperatures ranging from about  $+5^{\circ}$  to  $-20^{\circ}$  F. (degrees Fahrenheit).

#### Geology

Structurally, the West Siberian Basin is a broad, relatively gentle downwarp filled with 10,000 to 33,000 feet of post-Paleozoic marine, near shore marine, and continental clastic sedimentary rocks. The underlying basement is composed of Precambrian and Paleozoic fold systems with large areas of partly metamorphosed Paleozoic carbonate and clastic rocks and numerous areas of Paleozoic granite and igneous bodies. In the central part of the Basin, the basement is cut by an extensive, northerly-oriented Triassic rift system. Oil source rocks are mainly marine Jurassic and Lower Cretaceous bituminous shales. Trapping is structural and The petroleum geology of the West stratigraphic. Siberian Basin is discussed by Peterson and Clarke in report titled "West Siberian Oil-Gas their Province"(Appendix A).

#### **Production History**

The initial discovery in the basin, the Berezovo field, was made in 1953. It is a gas field in the northern Urals region. Production was not established until 1963 because of its remote location. The first major oil discovery was the Samotlor field in 1961. It is one of the largest oil fields in the world with an estimated ultimate oil recovery of 24.7 billion barrels. Samotlor production began in 1964.

Development of oil production in the 1970s was followed by development of gas resources in the northern portion of the Basin in the 1980s. In recent years, basin production has exceeded reserves replacement. Oil production has declined since 1988, and gas production began to decline in 1991.

#### Figure 1. Location of the West Siberian Basin in Russia



Source: Earth Science Associates, Arlington, TX.

Oil and condensate production in Russia has declined from a peak of 4.2 billion barrels in 1988 (11.5 million barrels per day) to 2.2 billion barrels in 1994 (6.0 million barrels per day). Production has stabilized with 1996 oil production approximately the same as in 1994. West Siberian Basin oil production has dropped from a peak of 3.1 to 1.5 billion barrels (8.5 to 4.1 million barrels per day) during the same time. Peak gas production in Russia occurred in 1991 at 22.6 trillion cubic feet (62.2 billion cubic feet per day) and had declined to 21.9 trillion cubic feet (60.0 billion cubic feet per day) in 1993 with approximately 20.3 to 20.1 trillion cubic feet (55.6 to 55.2 billion cubic feet per day) from the West Siberian Basin.

#### **Economic Significance**

Approximately 70 percent of the oil and 90 percent of the gas produced in Russia come from the West Siberian Basin. As Russia increasingly participates in the global economy, the importance of its oil and gas resources will increase. Russia exports a significant

amount of oil and gas to Europe and the republics of the FSU. Hard currency-generating exports to non-FSU countries have increased over the last several years as delinquent payments from FSU republics increased. A significant amount of Russia's oil and gas is consumed within Russia. Russia is the world's second largest consumer<sup>2</sup> of natural gas and forth largest consumer of petroleum liquids behind the United States, Japan, and China. In 1995, oil and gas consumption was 1.07 billion barrels of petroleum liquids and 14.51 trillion cubic feet of natural gas. In comparison, the United States consumed 6.47 billion barrels of petroleum liquids and 21.65 trillion cubic feet of natural gas in 1995. The Russian petroleum industry supplies the consumption requirements of Russia plus the oil and gas for export. Further decline of Russian production could cause changes in the world petroleum markets as well as effect the economy and development of Russia. An assessment of the oil and gas resources and the potential for development of those resources in the West Siberian Basin is provided herein.

#### **Largest Fields**

Several of the largest oil and gas fields in the world have been found in the basin. The five largest oil fields in this analysis represent approximately 30 percent of the discovered oil resources in the basin. The estimated ultimate recoverable oil from the largest oil field, Samotlor, is estimated as 24.7 billion barrels. Cumulative production through 1993 is 17.9 billion barrels. The five largest gas fields contain 60 percent of the discovered nonassociated gas resources of the basin. The Urengoy field is the largest gas field in the basin with estimated total recovery of 269.6 trillion cubic feet and cumulative production of 108.5 trillion cubic feet through 1993.

## 2. Analysis Discussion

#### **Basic Methods and Categories**

The database constructed for this study contains information on 1538 separate reservoirs, an average of approximately three reservoirs per field that has reservoir data reported. Some reservoir designations represent various subdivisions of geologic intervals while others represent the entire geologic interval. Each reservoir with reported data was assumed to contain producible hydrocarbons unless noted as non-productive in the data source. The locations of fields within the basin and the location of fields that produce from selected common geologic intervals are shown in **Appendix B**.

The method used to estimate a recovery of oil and gas from each field involved the calculation of reservoir volumes within the individual fields. Known reservoir data were used to approximate any unknown information. Recovery was calculated for each reservoir indicated to be hydrocarbon bearing. The primary phase (gas or oil) was assumed to fill the entire reservoir; therefore, gas-oil contacts within individual reservoirs were not considered.

Volumetric methods used in the determination of reserves tend to produce optimistic estimates. Some of the estimates reflect data from initial discoveries or exploration prospects. Even though the method has limitations, it was chosen because sufficient field or reservoir performance data were not available to estimate the potential of the entire basin. Production history was considered unreliable for estimating recoverable oil and gas because recent performance may be the result of operational problems rather than natural depletion.

A recovery factor is applied to a volumetric estimate of original oil or gas in place in each reservoir within a field. The resulting quantity is defined as estimated ultimate recovery. The Russian terminology would classify the volumes calculated in this analysis as  $A + B + C_1$ , with some volume in the C<sub>2</sub> category. "A" reserves are considered developed producing; "B" are drilled and tested but not producing; "C<sub>1</sub>" are partially evaluated, undeveloped, nonproducing; and "C<sub>2</sub>" reserves have not been delineated by drilling. The field area data of this report may include areas that have not been delineated by drilling; therefore, some C<sub>2</sub> reserves are likely in this

report. The USGS estimate of undiscovered resources would be classified as  $C_3 + D_1$  in the Russian system.

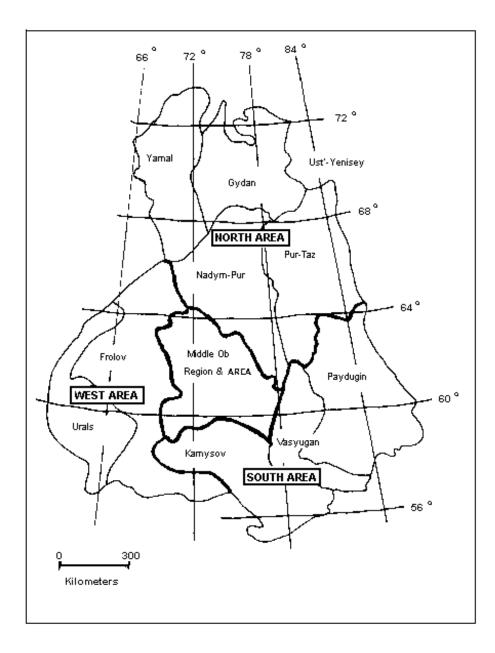
The estimated ultimate recovery (EUR) calculated in this analysis is not defined by performance, economic limits of production, or costs of development. Therefore, a comparison to U. S. Reserve classifications can not be made. Additional field studies would be necessary to evaluate operational methods and expenses and capital requirements for development.

Performance and economic evaluations could then be used to determine the amount of proved and probable reserves are in the producing fields. Additional analysis would also be necessary to classify undeveloped estimated ultimate recoverable oil or gas as probable or possible.

#### **Basin Subdivisions**

Regional boundaries within the Basin were described by Maksimov<sup>3</sup> and others (**Figure 2**). The areal subdivision of the basin used in this study follows the method adopted by Maximov and Peterson and Clarke.<sup>4</sup> The ten Regions identified can be combined into four Areas having common characteristics (**Table 1**). Common geologic intervals within the Areas were combined for data analysis (**Table 2**). The linkage of geologic age with geologic interval and the areal subdivisions is shown as **Table 3**.

Figure 2. Map of the Oil and Gas Regions and Areas of the West Siberian Basin



Source: Oil and Gas Fields of the U.S.S.R., Edited by S. P. Maksimov.

| Siberian Basin |  |  |
|----------------|--|--|
| Area           | Region                                 |  |
| North          | Yamal<br>Gydan<br>Nadym-Pur<br>Pur-Taz |  |
| West           | Frolov<br>Near Urals                   |  |
| South          | Kaymysov<br>Vasyugan<br>Paydugin       |  |
| Middle Ob      | Middle Ob                              |  |

## Table 1. Regions Within Areas of the WestSiberian Basin

Source: Department of the Interior, U. S. Geologic Survey.

## Table 2. Geologic Intervals Combined Within Productive Areas of the West Siberian Basin for Data Analysis

| Combined                |                    |
|-------------------------|--------------------|
| Geologic Intervals      | Productive Areas   |
|                         |                    |
| Upper Cretaceous        | All Areas          |
| Albian - Aptian (North) | North              |
| Albian - Aptian (South) | Middle Ob, West, & |
|                         | South              |
| Neocomian (North)       | North              |
| Neocomian (South)       | Middle Ob, West, & |
|                         | South              |
| Jurassic (North)        | North              |
| Jurassic (South)        | South              |
| Jurassic (West)         | West               |
| Jurassic (Ob)           | Middle Ob          |
| Triassic-Paleozoic      | All Areas          |
|                         |                    |

Source: Energy Information Administration, Office of Oil and Gas.

#### **Production by Area**

The northern portion of the basin produces primarily nonassociated gas and gas condensate from Upper Cretaceous. More than 90 percent of the discovered nonassociated gas in the basin is located in this area. The volume of discovered oil in the North Area ranks second to the Middle Ob Area.

The Middle Ob Region, in the central portion of the basin, is considered a single area. It is the major oil producing area of the basin. All but one field in the Middle Ob Area are considered primarily oil fields.

The West Area is productive in the Lower Cretaceous and Jurassic intervals. The West Area is generally gas productive in its northern portion and oil productive in its southern portion. Production in the South Area is predominantly oil from Jurassic intervals with some production from Lower Cretaceous intervals.

The number of fields in each of the four Areas is about evenly distributed, from 18 percent in the South Area to 34 percent in the Middle Ob Area. The locations of less than 2 percent of the fields are unknown. The database includes 634 oil and 147 gas fields for a total of 781 fields in the basin. Seven fields of the Ust-Yenisey Region, which adjoins the Gydan Region along the northeastern edge of the basin, are included in the Gydan Region. Other sources may give a different count for the number of fields because of name changes, combining of fields within areas, or different translations of field names. Field locations are shown in **Figure 3** with gas fields in red and oil fields in green.

|             |             |               |        |   | NORTH BASIN<br>AREA   | WEST BASIN<br>AREA                              | SOUTH BASIN<br>AREA   | MIDDLE OB<br>BASIN AREA                    |
|-------------|-------------|---------------|--------|---|---|---|---|--|
| SEF         | RIES        | AGE           | _      | Pay Zones,<br>Yamal and<br>Gydan<br>Regions | Pay Zones,<br>Nadum-Pur and Pur-Taz<br>Regions  | Pay Zones,<br>Frolov and Near-Ural<br>Regions   | Pay Zones,<br>Kaymysov, Vasyugan,<br>and Paydugin<br><u>Regions</u>                                       | Pay Zones,<br>Middle Ob<br>Region          |
|             | с           | Maastrichtian |        |   |   |   |   |  |
|             | R           | Campanian     |        |   |   |   |   |  |
| U<br>P      | E<br>T      | Santonian     |        |   |   |   |   |  |
| P<br>E<br>R | A<br>C<br>E | Coniacian     |        |   |   |   |   |  |
|             | O<br>U      | Turonian      |        |   | Gazolinian  |   |   |  |
|             | S           | Cenomanian    |        | PK1-PK6                                     | PK0-PK6   |   | PK1, PK11   | PK1  |
|             | С           | Albian        |        | TP1-TP8                                     | PK15  | PK2, PK21                                       | PK12, PK14, PK15, PK18  | PK21                                       |
| L           | R<br>E      | Aptian        |        | TP12-TP14                                   | TP10, TP-11<br>PK16-PK21  |   |   |  |
| o<br>w      | T<br>A      | Barremian     | N<br>E | TP15-TP18                                   | AV1-AV3   |   |   | AV1<br>AV1, AV2, AV3 , AS4-AS6,<br>B19-B22 |
| Е           | С           |               | 0      | TP18-TP24                                   | AV6-AV8, AU7-AU11   | N1, N2  | A10   | AV2-AV8, AS7-AS12, B3,<br>BV0              |
| R           | E<br>O      | Hauterivan    | c<br>o | TP25-TP27,<br>NP2-NP4                       | AV-8, BV4-BV6, BP9, BS0-BS8,<br>BT3, BT4, BU0-BU6, BN4<br>BV5-BV7, SD4<br>BV8-BV13, BP6-BP15, BS9-BS12, |   |   | BV0-BV4, BS1-BS6<br>BV4-BV7, BS-8          |
|             | U           | Valanginian   | M      | BU16, NP10,<br>NP11                         | BT7-BT12, BU7-BU16, BN9-BN16,<br>SD8  |   | B5, B7-B9, B12-B14, BV9   | B6, B10, BV7-BV12, BS8-BS1                 |
|             | S           | Berriasian    | I<br>A | Achimov                                     | BV14-BV16, BP16-BP20, BS16,<br>BT16-BT18, BU16, Achimov<br>BV18-BV20, BP18, BP19, Achimov               | B16-B20   | B16-B20<br>B16-B20  | BS16-BS18<br>BV18-BV20, BS18-BS22          |
| υ           |             | Volgian       | IN     |   | Yu0   | P0-P3, Yul-YulV                                 | Yu0, Yu1, Yu1 <u>(</u> 1), Yu1(3-4)   | Yu0  |
| P<br>P      | J           | Kimmeridgian  |        |   |   | P0-P3, Yul-YulV<br>P1(F), P0-P3(&P3F), Yul-YulV | Yu1, Yu1(1), Yu1(3-4)   |  |
| E<br>R      | U           | Oxfordian     |        |   | Yu1   | P0-P3(&P3F), Yul-YulV                           | ¥<br>Yu1, Yu1(1), Yu1(3-4), Yu2   |  |
| M           | R           | Callovian     |        | Yu1(1)                                      | Yu1, Yu1(1), Yu1(2)   | P0-P3(&P3F), Yu1-Yu7(&Yu2F), Yu11, Yu12, Yul-Yu |   | Yu1, Yu1(1-3), Yu2                         |
| I           | А           | Bathonian     |        |   |   | <b>f</b>  |   | Yu2  |
| D<br>D      | s           | Bajocian      |        | Yu2<br>NP5-NP9                              | Yu2   | P0-P3, Yu1-Yu7(&Yu2F), Yu11, Yu12, Yul-Yul      | Yu1-Yu9   |  |
| L           | s           | Aalenian      |        | NP5-NP9<br>NP5-NP9                          | Yu3<br>▼  | L 1   |   |  |
|             | I.          | Toarcian      |        | A   | <b>A</b>  | A   | <b>A</b>  |  |
| L<br>O      | с           | Pliensbachian |        |   |   | Yu1-Yu3, Yu6, Yu7, Yu11, Yu12, YuI-YuIV         | Yu1, Yu2, Yu6   |  |
| W<br>E      |             | Sinemurian    |        | Yu2, Yu7                                    | Yu2   | (Yu1 listed as Lower-Upp                        |   |  |
| к           |             | Hettangian    |        | ↓   | ↓   | Jurassic in only two field                      |   |  |
| PAL         | EOZO        | IC<br>SYSTEM  |        | F   |   | YulV  | M (undifferented Paleozoic)<br>M3 & M11 (Up. & Mid. Devoni<br>M23 (Lower Devonian)<br>S2 (Upper Silurian) | M (undifferentiated Paleozoic)<br>an)      |

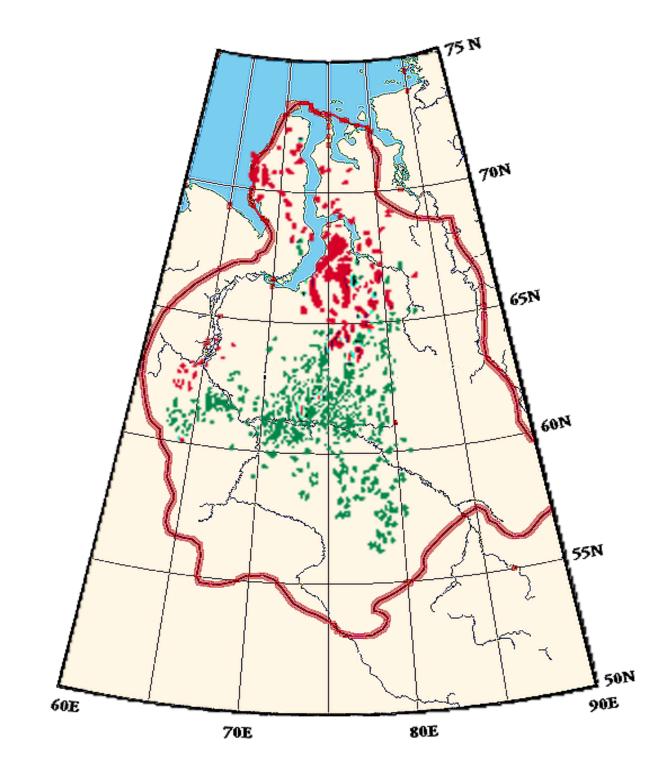
#### Table 3. Stratigraphic Chart Linking Geologic Age with Pay Zone Identifiers, by Area and Region, West Siberian Basin (Maksimov reference)

Notes: Apparent Russan alpha-numeric use for pay zone identifiers is to alpha-abbreviate names of formations, formation groups, series, or systems, then separate into numeric pay zones, analagous to formations and members.

Pay zones listed in between-age rows indicate age ranges (such as TP10 as Aptian-Albian age). The numbered pay zones increase with age (depth). For Jurassic pay zones, the numbers in parentheses indicate further separations into sub-pay zones, again, increasing with age (depth). Other sub-pay zone designations are not listed, here. Gazolinian and Achimov formations are not abbreviated and not differentiated into numerical pay zones, here. Most Jurassic (Yu) pay zones are not differentiated beyond series combinations (such as Lower-Middle Jurassic.

(auch as Lower-Induce outsatu).
 M = "crust" (weathered paleosurface?); P = ? (P0-P3 in the Near-Ural is equivalent to Yu2 in other Regions; PK = Pokur formation; Yu = Jurassic System;
 Yu0 = Bazhenov Shale formation; Yu11-Yu12 = Sherkalin member (by many investigators).
 Source: Extracted from reservoir-level listings in Oil and Gas Fields of the USSR -- Volumn II, edited by S.P. Maksimov, 1987.

Figure 3. Location of Oil and Gas Fields in the West Siberian Basin.



Source: Earth Science Associates, Arlington, TX.

## 3. Data Description

#### **Available Data**

Reservoir data were acquired from several published sources. Agreement was found between the data sources, suggesting a single original source. Where differences were noted, the most recent information was used. Differences in translation and nomenclature and additional development between reporting dates of data account for some data differences. Multiple discoveries combined into single fields as development progressed and fields combined under Regional geologic province names may also account for some duplication of information. Primary data sources are listed below.

Oil and Gas Fields of the U.S.S.R. (In Russian), edited by S. P. Maksimov, 1987.

Gas and Condensate Fields - Reference Book (in Russian), by I. P. Zhabrev, 1983.

Atlas of Key Hydrocarbon Basins of the Former Soviet Union, Compiled by K. L. Talley, 1993.

Field and reservoir data from Petroconsultants S.A., Geneva, Switzerland, August 1995.

Conversation with G. Ulmishek, USGS, Denver, CO, 1997.

The West Siberian Basin's fields can be divided into three groups according to the available data. Most of the fields had very little data missing so few assumptions or data constructions were needed to develop an estimate of recoverable oil and gas. These fields represent 94 percent of the estimated discovered oil volume and 98 percent of the calculated discovered gas volume of the basin.

The second group had significant data missing for some fields but the available data were sufficient to apply correlations to estimate missing data. Little information was known about the third group of fields. Low confidence in the calculated oil or gas volume of these few fields resulted. Less than 0.02 percent of the estimated ultimate recovery falls in this low-confidence category. Most of the reported reservoir parameter data were represented as reservoir averages. Ranges of data were reported for reservoirs within some fields. When a range of data was reported, an average value was used to represent the reservoir. Often, data used to represent a field was taken only from the discovery well. Calculated reserves were reported in data sources for some fields but were used only to compare with values calculated here.

As an indicator of data availability, the amount of available area, gross pay, net pay, porosity, and permeability data were calculated as a percentage of the number of reservoirs in each geologic interval (**Table 4**).

#### **Estimated Data**

Estimates of some reservoir data were necessary for all fields to accomplish volumetric calculations. The available data were sufficient to make reasonable engineering estimates of missing information. Except for reservoir temperature and pressure, those estimates were made within geologic intervals over common analogous areas. Graphical displays of data were used to visually evaluate the consistency or variations in the data. Details of the methods used in estimating data are reported in **Appendix B**.

A single linear function of depth was used to estimate unknown pressures in all Regions of the basin. A linear equation was developed for each of the four Areas of the basin to calculate reservoir temperature as a function of depth.

All other properties were determined within geographic boundaries described by Maksimov and combinations of geologic intervals described by Peterson and Clarke. Much of the data were reported for subdivisions of the major geologic intervals. Missing information was determined by averaging and analyzing data within major geologic intervals. Distributions of the data within the areal and geologic subdivisions of the basin were graphed and analyzed to evaluate consistency and to choose the best value to represent the combination of location with geologic interval.

#### **Data Correlations**

Reservoir fluid volume factors were determined using correlations programed for personal computer spreadsheet software<sup>5</sup>. The West Siberian Basin oil and gas characteristics presented no special problems in the determination of fluid properties. The oil is a medium to high API gravity and does not contain sufficient hydrogen sulfide or other impurities that would affect the use of correlations to determine fluid properties. The nonassociated gas is primarily methane without significant inert impurities or intermediate components. Correlations can be used to calculate solution gas-oil ratios and bubble point pressures that match available data and reservoir performance.

Some volumetric calculations could be in error using the reported field productive areas. Reported areas may be from seismic interpretations or exploration mapping. Many fields are not completely developed; therefore, areas are not accurately defined. Area data were reported as the total field areal extent, the area of the largest reservoir, or the area of each individual reservoir. Area data were not reported for some fields. A method, described in **Appendix B**, assigned an area to each individual reservoir in a field for the calculation of initial oil or gas in place.

More data for gross pay thickness were available than for net pay thickness data. A net-to-gross ratio was calculated when both net and gross data were known. The average net-to-gross ratio of a Region was used to estimate net pay when gross pay was reported. The net pay values that could not be calculated from gross pay were assumed to be equal to the average net pay of the Region.

Very little water saturation data were available. A correlation developed by Schlumberger<sup>6</sup> was used to calculate irreducible water saturation for each reservoir for which an average permeability was reported. The distribution of calculated water saturation was plotted to examine the results. The calculated water saturation for some combinations of parameters was outside the normal range of saturations anticipated for productive reservoirs. To screen out these values, the mode of the calculated saturations was used in the volumetric estimates of original oil and gas in place.

Porosity was the reservoir parameter most often available among those reservoir parameters used to calculate oil or gas in place. Missing porosity data were estimated from distribution graphs using the method described in **Appendix B**.

| Siberian Basin                  |      |           |         |          |              |
|---------------------------------|------|-----------|---------|----------|--------------|
| Geologic Interval               | Area | Gross Pay | Net Pay | Porosity | Permeability |
|                                 |      | 00        |         | 74       | 22           |
| Upper Cretaceous (All Areas)    | 92   | 98        | 57      | 74       | 68           |
| Albian - Aptian (N)             | 89   | 100       | 24      | 52       | 39           |
| Albian - Aptian (S)             | 79   | 91        | 30      | 76       | 73           |
| Neocomian (N)                   | 88   | 95        | 28      | 71       | 65           |
| Neocomian (S)                   | 77   | 95        | 42      | 80       | 77           |
| Jurassic (N)                    | 100  | 100       | 56      | 80       | 76           |
| Jurassic (S)                    | 95   | 99        | 68      | 99       | 95           |
| Jurassic (W)                    | 90   | 97        | 43      | 95       | 90           |
| Jurassic (Middle Ob)            | 85   | 95        | 55      | 79       | 77           |
| Triassic - Paleozoic (All Areas | ) 94 | 80        | 43      | 100      | 80           |

 Table 4. Percentage of Reservoirs with Data Available within Major Geologic Intervals of the West

 Siberian Basin

Note: N, S, W, and Middle Ob refer to the four Basin areas of **Table 2.** Source: Energy Information Administration, Office of Oil and Gas.

## 4. Ultimate Recovery Determination

#### Methodology

Estimated ultimate recovery was determined for each reservoir within the discovered fields using the procedures described in Appendix C. The EUR represents the maximum expected recovery of oil or gas from a productive reservoir without regard for economic limitations. The methodology used can be applied to all fields in a consistent manner. The basic method requires a volumetric determination of original oil or gas in place. A recovery efficiency is then applied to determine the recoverable oil. For gas, an abandonment pressure is assumed for estimating the recovery efficiency. Recovery estimates are summed to produce a total EUR for each field. The average recovery efficiencies are reported for each Region of the basin in Table 5. Results are also tabulated by field producing status for oil and gas (Tables 6 and 7).

Table 5. Average Reservoir Recovery byRegions of the West Siberian Basinas a Percent of Original Oil or Gas inPlace

| FIG        | ace                     |                       |                    |
|------------|-------------------------|-----------------------|--------------------|
| Region     | Primary Oil<br>Recovery | Total Oil<br>Recovery | NA Gas<br>Recovery |
|            | <b>_</b>                |                       | <b>_</b>           |
| Yamal      | 19.3                    | 38.6                  | 79.7               |
| Gydan      | 16.8                    | 33.6                  | 78.2               |
| Nadym-Pur  | 19.5                    | 39.0                  | 78.5               |
| Pur-Taz    | 18.8                    | 37.6                  | 79.1               |
| Frolov     | 15.3                    | 30.6                  | 77.8               |
| Near Urals | 18.3                    | 36.3                  | 61.4               |
| Kaymysov   | 17.2                    | 35.2                  | 78.2               |
| Vasyugan   | 18.8                    | 37.6                  | 79.3               |
| Paydugin   | 19.2                    | 38.4                  | 79.5               |
| Middle Ob  | 17.5                    | 35.0                  | 79.6               |
|            |                         |                       |                    |
| Average    | 18.1                    | 36.2                  | 77.1               |

Note: NA Gas is nonassociated gas.

Source: Energy Information Administration, Office of Oil and Gas.

#### **Oil Recovery**

Recovery from oil reservoirs was estimated for primary depletion and improved recovery efficiency. The total recovery was the sum of the estimated primary recovery with improved recovery volumes added based on the assumptions listed below.

#### **Primary Recovery**

Primary recovery averaged 18.1 percent of the original oil in place across the basin. Primary recovery is the sum of the recovery from the initial pressure to the bubble point pressure as calculated by fluid expansion and the recovery below the bubble point pressure calculated using a statistical correlation from the American Petroleum Institute (API).<sup>7</sup> This correlation is provided in **Appendix C.** Although the validity of this correlation is questionable, the results are within an expected range for the properties of the basin. The correlation provides a method that can be applied to account for reservoir property changes within the basin and to obtain consistent results across the basin.

#### Improved Recovery

Improved recovery assumed that all oil reservoirs would be subjected to improved recovery techniques (such as waterflooding) except those reservoirs below the Jurassic section or with permeabilities less than 10 millidarcys. Oil reservoirs within predominantly gas fields and reservoirs in the Bazhenov shale formation were also excluded. API statistical correlations for water drive recovery that assume full development and continuity within the reservoir, calculated an average ultimate recovery of 54.5 percent of the original oil in place. This calculated recovery was assumed not to be representative of recovery from an improved recovery project. Field recovery was reduced because of geographic and environmental limitations. Reservoir stratification and discontinuities were also assumed to reduce the recovery efficiency. The incremental improved oil recovery was reduced to a value equal to the calculated primary recovery in reservoirs that would be subject to an improved recovery process.

#### **Recovery Efficiency**

The average total oil recovery efficiency, including potential improved recovery, from fields in the basin was 36.2 percent of the original oil in place.

#### **Producing Fields**

The fields that are currently producing have an estimated original recoverable oil and condensate volume of approximately 115.1 billion barrels. No improved recovery oil was included for fields currently producing under primary depletion. Cumulative oil and condensate production through 1994 was 49.3 billion barrels leaving 65.8 billion barrels to be produced from fields that are currently producing.

#### Nonproducing Fields (Undeveloped)

The discovered fields that are not on production contain an estimated 51.0 billion barrels of recoverable oil and condensate. This value includes 20.6 billion barrels of oil added for potential improved oil recovery. Primary oil recoverable from discovered, nonproducing fields is estimated to be 30.4 billion barrels.

#### **Discovered Fields**

Total discovered ultimate recoverable oil and condensate in the basin are about 166.1 billion barrels. Subtracting cumulative production of 49.3 billion barrels of oil and condensate results in remaining reserves of all classes of 116.8 billion barrels. Assuming only primary recovery from nonproducing fields reduces the volume to 96.2 billion barrels. This volume includes five billion barrels of condensate to be produced with nonassociated gas. No probability of attaining the calculated recovery (risk) was applied to any of the estimates of discovered reserves. Therefore the range of recovery from discovered fields is 96.2 to 116.8 billion barrels.

#### **Undiscovered Resources**

Undiscovered resources are the mean value of the USGS<sup>8</sup> assessment of undiscovered oil and condensate totaling 52.4 billion barrels. Two billion barrels discovered since the estimate was made in 1993, which are included in the current database of discovered oil, have been subtracted from the estimate of undiscovered resources.

#### **Remaining Resources**

Adding the undiscovered resources to the discovered EUR yields a maximum remaining future potential for the basin of between 146.6 and 167.2 billion barrels of oil and condensate to be discovered, developed, and produced. The original resources of the basin were estimated to be 216.5 billion barrels of oil and condensate.

#### **Gas Recovery**

Estimated ultimate recovery for gas reservoirs was calculated from an initial pressure to an abandonment pressure of 0.1 psi per foot of depth to the reservoir. This does not represent an economic limit but serves as a consistent lower pressure limit applied across the basin. Calculated recoveries range from 61.4 percent to 79.9 percent of the initial gas in place (**Table 7**).

#### **Producing Fields**

Fields that are producing contained estimated ultimate recoverable gas of 765 trillion cubic feet of gas. Of this total, nonassociated gas fields account for 711 trillion cubic feet and associated-dissolved gas from oil reservoirs accounts for 54 trillion cubic feet. The remaining estimated gas reserves of fields that are currently producing are 551 trillion cubic feet after subtracting 214 trillion cubic feet of produced gas.

#### Nonproducing Fields (Undeveloped)

Discovered, undeveloped reservoirs contain 341 trillion cubic feet of recoverable gas to be developed and produced. Of this volume, 322 trillion cubic feet are in nonassociated gas reservoirs and 19 trillion cubic feet are associated-dissolved gas in undeveloped oil fields.

#### **Discovered Fields**

The total discovered EUR gas, including 73 trillion cubic feet of associated-dissolved (AD) gas from oil reservoirs and 1,033 trillion cubic feet of nonassociated (NA) or gas well gas, are 1,106 trillion cubic feet. Subtracting cumulative gas production of 214 trillion cubic feet through 1993 from the total leaves 892 trillion cubic feet to be recovered from discovered reservoirs. The volume does not include gas from the Leningradskoye and Rusanovskoye fields in the Kara Sea. Other sources estimate recovery potential of between 85 and 282 trillion cubic feet from these two fields. Sufficient information was not available to make an independent estimate of these offshore discoveries; they are included only as a comment.

#### **Undiscovered Resources**

A statistical mean value of undiscovered nonassociated gas resources of 1,090 trillion cubic feet was estimated by the USGS as of 1993. The current data base includes six trillion cubic feet of gas discovered after 1993. The remaining undiscovered resources therefore are 1,084 trillion cubic feet.

#### **Remaining Resources**

Future gas potential in the basin is 1,975 trillion cubic feet, the sum of the remaining recoverable discovered gas and the USGS mean estimate of undiscovered gas. The original gas resource potential of the basin is estimated to be 2,189 trillion cubic feet. No probability of occurrence or risk was applied to the estimates of the discovered gas volume.

#### **Condensate Recovery**

Ultimate condensate recovery was calculated for those gas fields where the liquid content of the produced gas was reported. A volume of five billion barrels from the fields that are on production was calculated. The USGS estimate of undiscovered resources includes four billion barrels of condensate. Reported production of oil includes condensate; therefore, the estimated volume of condensate was added to the oil volume in this analysis.

| Resource                           | Total    | Remaining |
|------------------------------------|----------|-----------|
| Description                        | Recovery | Recovery  |
|                                    |          |           |
| Discovered                         |          |           |
| Producing Fields                   |          |           |
| Primary Producing Fields           | 13.8     | -         |
| Improved Recovery Producing Fields | 96.3     | -         |
| Condensate                         | 5.0      | -         |
| Subtotal                           | 115.1    | 65.8      |
| Nonproducing Fields                |          |           |
| Primary Recovery                   | 30.4     | -         |
| Potential Improved Recovery        | 20.6     | -         |
| Subtotal                           | 51.0     |           |
| Total Discovered                   | 166.1    | 116.8     |
| Undiscovered                       |          |           |
| Oil                                | 46.4     | -         |
| Condensate                         | 4.0      | -         |
| Total Undiscovered                 | 50.4     | 50.4      |
| Total Basin Resources              | 216.5    | 167.2     |
| Cumulative Production              | -49.3    |           |

#### Table 6. Estimated Oil and Condensate Resources in the West Siberian Basin, End of 1994 (Billion Barrels)

Note: Original USGS estimates of undiscovered oil and condensate were 52.4 billion barrels. The database of discovered fields includes two billion barrels discovered since the USGS estimate.

Sources: Discovered - Energy Information Administration, Office of Oil and Gas

Undiscovered - U. S. Geological Survey, "Estimated Petroleum Resources in the Former Soviet Union," G. Ulmishek and C. Masters, Open-File Report 93-316, March 1993, Denver, Colorado.

| Resource              | Total    | Remaining |  |
|-----------------------|----------|-----------|--|
| Description           | Recovery | Recovery  |  |
|                       |          |           |  |
| Discovered            |          |           |  |
| Producing Fields      |          |           |  |
| Nonassociated         | 711      | -         |  |
| Associated-Dissolved  | 54       | -         |  |
| Subtotal              | 765      | 551       |  |
| Nonproducing Fields   |          |           |  |
| Nonassociated         | 322      | -         |  |
| Associated-Dissolved  | 19       | -         |  |
| Subtotal              | 341      |           |  |
| Total Discovered      | 1,106    | 892       |  |
| Undiscovered          | 1,084    | -         |  |
| Total Basin           | 2,189    | 1,975     |  |
| Cumulative Production | -214     |           |  |

#### Table 7. Estimated Natural Gas Resources in the West Siberian Basin, End of 1993 (Trillion Cubic Feet)

Note: Original USGS estimate of undiscovered gas was 1090 trillion cubic feet. Discovered database includes 6 trillion cubic feet discovered since estimate.

Source: Discovered - Energy Information Administration, Office of Oil and Gas, Undiscovered - U. S. Geological Survey, "Estimated Petroleum Resources in the Former Soviet Union," G. Ulmishek and C. Masters, Open-File Report 93-316, March 1993, Denver, Colorado.

#### **Field Size Distribution**

The average field size in the basin is 248 million barrels for oil fields and 5.3 trillion cubic feet for nonassociated gas fields. The giant fields of the basin cause the average to be much larger than the mode of the field size distribution. Giant fields, defined as those that contain more than 500 million barrels of recoverable oil or the equivalent in gas (roughly 3 trillion cubic feet). Although the potential exist to discover additional giant fields, many smaller fields that are included in this analysis may not be developed for economic reasons. The field size distributions (**Figures 4 and 5**) show a mode of approximately 25 million barrels or 400 billion cubic feet of recoverable oil or gas.

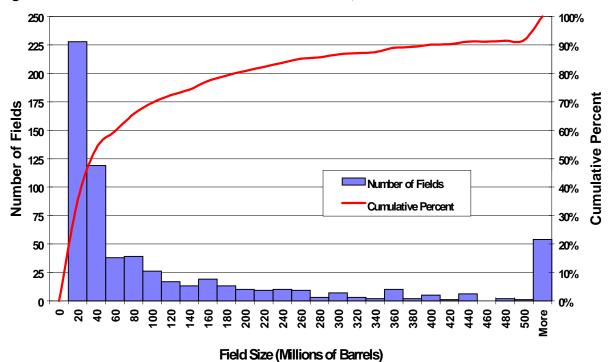


Figure 4. Crude Oil Field Size Distribution for Discovered Fields, West Siberian Basin.

Source: Energy Information Administration, Office of Oil and Gas.

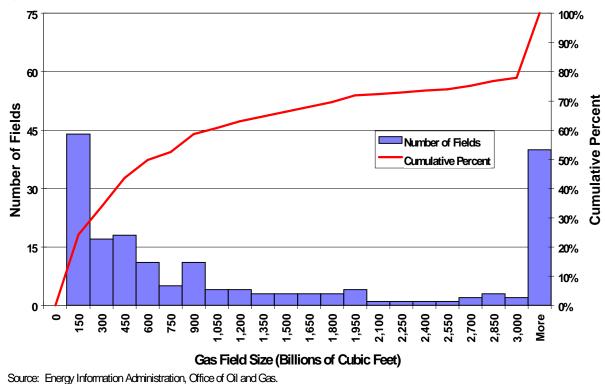


Figure 5. Gas Field Size Distribution for Discovered Fields, West Siberian Basin.

#### **Geographic Distribution**

The estimated recovery for each Region in the basin is tabulated in **Table 8**. Totals for each Area are also presented. The field summaries tabulated in **Appendix D** are sorted alphabetically. Also included are tabulations of the field data by Regions of the basin. The information includes field location, discovery date, production status, and primary product. The complete data base and the calculated results for each reservoir are available on a computer diskette in a self-extracting spreadsheet file. To obtain a copy, contact the **EIA Dallas Field Office at** (214) 720-6150.

| (Million Barreis Oli and Condensate; Billion Cubic Feet Gas) |                  |     |                   |        |                          |            |  |
|--|------------------|-----|-------------------|--------|--------------------------|------------|--|
| Region   | Number of Fields |     | Ultimate Recovery |        | <u>Ultimate Recovery</u> |            |  |
| Area   | Oil              | Gas | Oil               | AD Gas | NA Gas                   | Condensate |  |
|  |                  |     |                   |        |                          |            |  |
| Yamal  | 0                | 27  | 141               | 35     | 194,998                  | 590        |  |
| Gydan  | 2                | 22  | 282               | 221    | 71,419                   | 52         |  |
| Nadym-Pur  | 58               | 29  | 28,170            | 23,022 | 581,721                  | 2,742      |  |
| Pur-Taz  | 34               | 20  | 11,973            | 5,908  | 152,278                  | 1,057      |  |
|  |                  |     |                   |        |                          |            |  |
| North Area   | 94               | 98  | 40,566            | 28,965 | 1,000,416                | 4,441      |  |
| Frolov   | 59               | 7   | 10,505            | 3,045  | 1,286                    | 16         |  |
|  |                  |     | ,                 |        |                          |            |  |
| Near Urals   | 65               | 25  | 2,733             | 1,080  | 6,119                    | 67         |  |
| West Area  | 124              | 32  | 13,238            | 4,125  | 7,405                    | 83         |  |
| Kaymysov   | 73               | 3   | 4,812             | 4,489  | 3,663                    | 78         |  |
| Vasyugan   | 61               | 6   | 3,919             | 2,155  | 14,153                   | 334        |  |
|  | 6                | 4   | 349               | 92     | 840                      | 21         |  |
| Paydugin   | 0                | 4   | 549               | 92     | 040                      | 21         |  |
| South Area   | 140              | 13  | 9,080             | 6,736  | 18,656                   | 433        |  |
| Middle Ob  | 263              | 2   | 98,227            | 33,160 | 6,720                    | 61         |  |
|  | 203              | 2   | 90,221            | 33,100 | 0,720                    | 01         |  |
| Unknown  | 13               | 2   | 26                | 13     | 30                       | 0          |  |
| Total Basin  | 634              | 147 | 161,137           | 73,220 | 1,033,227                | 5,017      |  |

 Table 8. Discovered Oil and Gas by Region and Area, West Siberian Basin

 (Million Barrels Oil and Condensate: Billion Cubic Feet Gas)

Note: AD Gas is associated-dissolved gas and NA Gas is nonassociated gas.

Source: Energy Information Administration, Office of Oil and Gas.

## 5. Production Projections

#### **Future Discoveries**

In 1993, the USGS mean estimate of the undiscovered oil and gas resources of the West Siberian basin were 52.4 billion barrels of oil and condensate and 1,090 trillion cubic feet of gas. Condensate included was four billion barrels. Most of this additional supply will likely be found in stratigraphic traps and structures smaller than those currently known. Some new production will come from less productive and deeper reservoirs. Adding these amounts (adjusted for discoveries after 1993) to the estimated amounts discovered provides the resources for the basin of 216 billion barrels of oil and condensate and 2,189 trillion cubic feet of gas. Subtracting production leaves 167 billion barrels and 1,975 trillion cubic feet to be produced, developed, and discovered.

To project a schedule of the future discoveries, a modified method of Dr. M. King Hubbert<sup>9</sup> was used, utilizing a modified logistic function developed by the EIA.<sup>10</sup> EUR discovered oil and gas plotted at the date of discovery with an end point equal to the total basin resources are fit<sup>11</sup> with the logistic function (**Figures 6** and 7). The function obtained by the curve fit was then used to schedule future discoveries for the amount of the basin resources. The total basin recovery used in the calculation was the sum of the EIA estimate of discovered fields and the USGS estimate of undiscovered resources.

#### **Future Production**

Theory suggests that production should follow discoveries with an appropriate time lag for development. Production in the West Siberian basin has not followed this model because of the remote arctic environment and unique problems associated with Russian development practices (full field delineation before beginning production development). Another method, described in **Appendix C**, was therefore developed to project future production. A declining ratio of the remaining EUR divided by the annual production (R/P ratio) was used to schedule production based on the discovery schedule developed using the logistic function.

#### Oil and Condensate

The oil resources in the basin should support production greater than the production rate that existed before the decline that began in 1988 (from 3.1 to 1.5 billion barrels per year or 8.5 to 4.1 million barrels per day in 1994). A theoretical peak annual production rate of 4.1 billion barrels per year (11.2 million barrels per day) was calculated to be possible in the years 2006 to 2009 before a decline begins (**Figure 8**). Three forecast cases were projected to show the range of production potential beginning at the 1994 annual rate of 1.46 billion barrels (**Figure 9 and 10**).

The most severe case (*Continued Decline Case*) assumes that production continues to decline at the recent rate of 16 percent per year to 100 million barrels (MMbbls) in the year 2010. Remaining recovery would be less than 10 billion barrels. This is less than, but approximates, the remaining estimated primary recovery of 15 billion barrels in the fields that are currently producing. As depletion occurs, the decline of the producing rate could decrease or become hyperbolic, extending the producing life, and approaching the 15 billion barrel estimate.

A second case (*No New Discoveries Case*) assumes that oil production can be stabilized at the current rate for a period of time and will then decline at the theoretical rate to a recovery of the remaining 96.2 billion barrels from discovered fields. Only primary recovery of 30.4 billion barrels from nonproducing fields was considered. No additional discoveries would occur. In this case, the current rate of approximately 1.46 billion barrels per year (4.0 million barrels per day) could be maintained until the year 2051 before the decline begins.

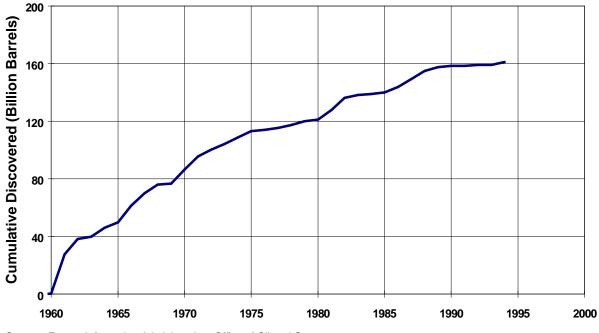


Figure 6. Cumulative Discovered Crude Oil, West Siberian Basin



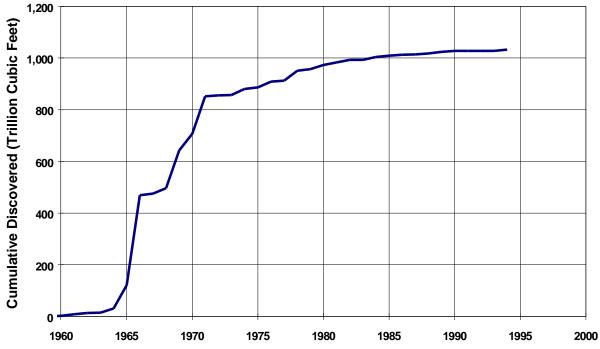


Figure 7. Cumulative Discovered Natural Gas, West Siberian Basin

Source: Energy Information Administration, Office of Oil and Gas.

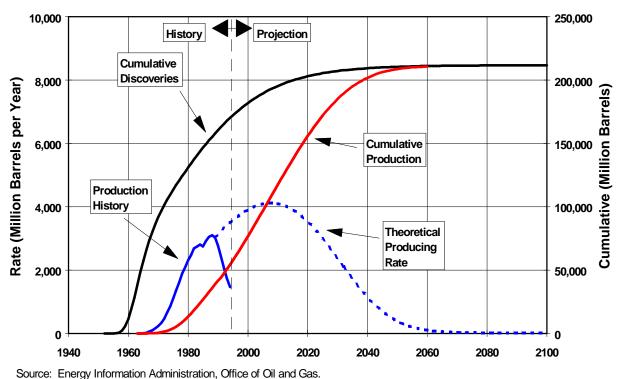


Figure 8. Total Oil and Condensate Discoveries and Theoretical Production, West Siberian Basin

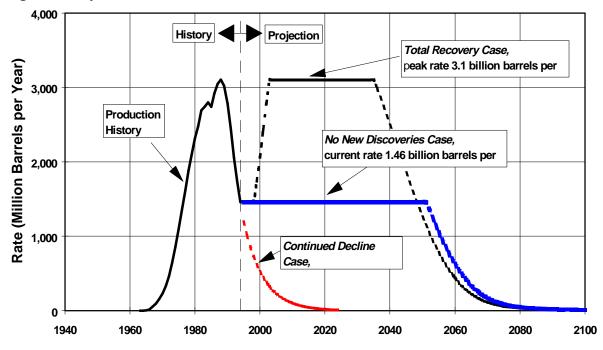


Figure 9. Projected Oil Production, West Siberian Basin

Source: Energy Information Administration, Office of Oil and Gas.

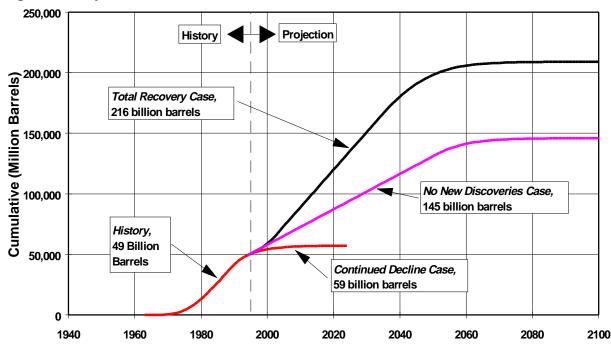


Figure 10. Projected Cumulative Oil and Condensate Production, West Siberian Basin

Source: Energy Information Administration, Office of Oil and Gas.

The third case (*Total Recovery Case*) assumes exploration and development return to higher levels and cause production to increase to the historical peak rate of 3.1 billion barrels (8.5 million barrels per day) produced in 1988. To reach this peak rate, it is assumed that the current oil production rate would be maintained through the year 1998 and production would then increase over the next five years to the peak rate. Production is then maintained at 3.1 billion barrels per year until the cumulative production plus the amount produced on decline from 3.1 billion barrels per year is equal to the remaining recoverable resource of 167.2 billion barrels. The result is total recovery of 216.5 billion barrels from the basin.

#### Gas

Total recoverable gas was estimated to be about 2,189 trillion cubic feet with peak production of approximately 24 trillion cubic feet per year (65.8 billion cubic feet per day) in the years 2012 to 2019 (**Figure 11**). Estimates of gas volume development and production were calculated by using the same method as for oil. The estimates are from the cumulative discoveries curve calculated by using the logistic

function and production is based on an assumed decline of the R/P ratio. Gas production has declined since 1992, probably as a result of reduced development activity influenced by the changes that have occurred in Russia since the breakup of the Soviet Union.

Two projections were made to examine potential gas production from the basin. One case (*No New Discoveries Case*) assumed no additional discoveries and remaining potential of 892 trillion cubic feet, the remaining EUR of the discovered fields. Production was declined at the rate of the theoretical production schedule to depletion in approximately 75 years.

The second case (*Total recovery Case*) assumed full development of the basin's estimated remaining producible gas of 1,975 trillion cubic feet. The peak historical rate of 20.5 trillion cubic feet per year (56.2 billion cubic feet per day), attained in 1992, was maintained until the cumulative production plus the production from the decline portion of the theoretical projection equaled the total gas resource of the basin of 2,189 trillion cubic feet. In this case, the peak rate could be maintained for 32 years before decline begins (**Figures 12 and 13**).

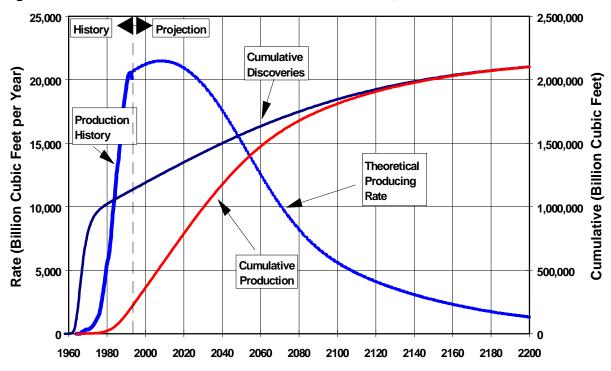


Figure 11. Ultimate Gas Discoveries and Theoretical Production, West Siberian Basin

Source: Energy information Administration, Office of Oil and Gas.

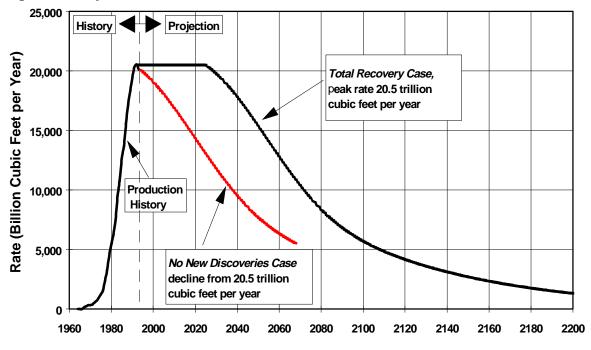
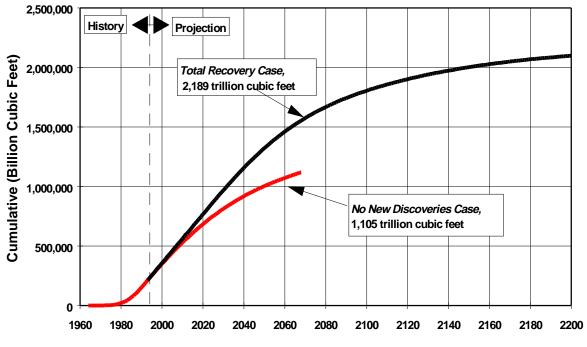


Figure 12. Projected Gas Production, West Siberian Basin

Source: Energy Information Administration, Office of Oil and Gas.





Source: Energy Information Administration, Office of Oil and Gas.

## 6. Summary

The largest oil and gas producing province by area and resources in the former Soviet Union is in western Siberia. The West Siberian Basin is also one of the largest in the world. The geographic location of the basin north of 52 degrees north latitude and the topography of gently sloping lowlands of permafrost and extensive swamps cause significant operational problems.

Oil production from the basin has declined from approximately 3.1 billion barrels in 1988 to 1.5 billion barrels in 1994 (8.5 to 4.1 million barrels per day), and gas production has declined from 22.6 trillion cubic feet of gas in 1991 to 21.9 trillion cubic feet in 1993 (61.9 to 60.0 billion cubic feet per day). Cumulative production was 49.3 billion barrels of oil through 1994 and 214 trillion cubic feet of gas through 1993. Production data by individual field are not complete or reliable; therefore, oil and gas recoveries were calculated by volumetric methods.

A database was constructed containing all available information necessary to calculate reserves volumetrically for 634 oil fields and 147 gas fields with over 1,500 separate reservoirs. Missing data were imputed based on information from similar or nearby geologic intervals. The estimated ultimate recovery (EUR) was calculated for each reservoir identified as productive and summed to a field totals. The EUR can not be compared to U.S. Reserves that are defined as economically recoverable since economic parameters were not considered in this analysis. The EUR therefore, represents a maximum potential for the basin. To achieve this potential would require full development of all identified fields and the application of the latest available technology. Undiscovered resources were estimated by the USGS. The undiscovered volume was added to the estimated ultimate recoverable volumes of individual fields to yield a total basin resource.

Of the 166.1 billion barrels of oil and condensate discovered through 1994, 115.1 billion barrels are in producing fields and 51.0 billion barrels are in fields to be developed. Subtracting the 49.3 billion barrels of production from the EUR of the producing fields yields remaining EUR of 65.8 billion barrels of oil and condensate. Estimated ultimate recovery in undeveloped

fields ranges from 30.4 billion barrels of primary oil to 51.0 billion barrels of oil including improved recovery potential.

The mean estimate of the undiscovered oil and condensate is reported as 50.4 billion barrels by the USGS. Estimate of ultimate basin resources is 216.5 billion barrels of oil and condensate with between 146.6 and 167.2 billion barrels remaining to be discovered, developed, and produced after 1994.

The natural gas discovered through 1993 was 1,106 trillion cubic feet. Producing fields contained 765 trillion cubic feet of EUR with nonproducing fields containing 341 trillion cubic feet of EUR to be developed. Remaining recoverable gas is 551 trillion cubic feet in producing fields after subtracting 214 trillion cubic feet of cumulative production. Adding 341 trillion cubic feet in discovered, undeveloped fields sums to 892 trillion cubic feet of undiscovered gas resources reported by the USGS is 1,084 trillion cubic feet. The basin's total original gas resources are therefore 2,189 trillion cubic feet with 1,975 trillion cubic feet remaining to be discovered, and produced after 1993.

The average field size in the basin is 248 million barrels of oil or 5.3 trillion cubic feet of gas. The averages are influenced by the very large fields in the basin. The most likely field size is 25 million barrels of oil or 400 billion cubic feet of gas. Economic conditions will influence the development of the smaller fields.

Discovered oil volumes are sufficient to maintain the current production rate of approximately 1.5 billion barrels per year (4.1 million barrels per day) for over 50 years before production begins to decline. If developed, total resources of the basin are sufficient to maintain the historical peak rate of 3.1 billion barrels per year (8.5 million barrels per day) for over 35 years before decline begins. Gas production could be maintained for over 30 years at approximately 21 trillion cubic feet per year supported by the remaining gas resources of the basin.

These production projections are limited scenarios with many variables not considered. However, this analysis shows the potential of the West Siberian Basin as a significant future producer of oil and gas if maintenance and development of the resources continues. The production decline of the past several years is the result of reduced development and maintenance indicating that only a fraction of the potential resources would be recovered if development and exploration in the basin were to cease.

### References

1. Energy Information Administration, *Oil and Gas Resources of the Fergana Basin*, DOE/EIA - TR/0575 (Washington, DC, January 1995).

2. Energy Information Administration, *International Energy Annual 1995*, DOE/EIA-0219(95)
(Washington, DC, December 1996),
p. 6, p. 9.

3. S. P. Maksimov and others, 1987, Oil and Gas Fields of the USSR [in Russian], (Moscow, Nedra, v.2, 303 p.).

4. J.A. Peterson and J.W. Clarke, *West Siberian Oil-Gas Province*, U. S. Geologic Survey Open-File Report 89-192 (Missoula, Mt. and Reston, VA).

5. D. Muchmore, "Macros Help Solve Common Petroleum Engineering Calculations," *Oil and Gas Journal* (November 6, 1995) pp 38-44.

6. Schlumberger Well Services, *Log Interpretation Charts* (Schlumberger Well Services, 1985) pp.100-101.

7.American Petroleum Institute, *A Statistical Study of Recovery Efficiency*, API BUL D14 (Washington, DC, October 1967).

8. G. F. Ulmishek and C. D. Masters, *Petroleum Resources in the Former Soviet Union*, U. S. Geological Survey Open File Report 93-316, 1993 (Denver, CO and Reston, VA).

9. M. K. Hubbert, U. S. Energy Resources, A Review as of 1972, Serial No. 93-40 (92-72), Part I, 1974 (U. S. Printing Office, Washington DC).

10. Energy Information Administration, *Report on the Petroleum Resources of the Federal Republic of Nigeria*, DOE/IA-0008 (Washington DC, October 1979).

11. SigmaPlot Scientific Graphing Software, *Transforms and Curve Fitting*, Revision SPW 1.0 (United States, July 1993).

Appendix A

## **Petroleum Geology**

Appendix A

## **Petroleum Geology**

The petroleum geology discussion is copied from a section of Open-File Report 89-192 of the Department of the Interior, U. S. Geological Survey, *West Siberian Oil - Gas Province* by James A. Peterson of Missoula, Montana and James W. Clarke of Reston, Virginia (1989). The page numbers correspond to the page numbering of the EIA report, but figure numbers have not been changed from the original USGS report by Peterson and Clarke.

Appendix B

## Data Analysis

# **Data Analysis**

# **Reservoir Parameters**

Parameters needed for the estimation of oil and gas in place were not available for all reservoirs. Missing data were determined based on analogous data within common areal location and geologic intervals. Fluid properties were calculated for each reservoir using correlations adapted for personal computer spreadsheet software. Unknown reservoir pressures were calculated using an equation for the pressure gradient of the entire basin. Unknown temperatures were determined from separate gradient equations for each of the four Areas of the basin listed in **Table 3**.

Distributions of known porosity, permeability, productive area, gross thickness, and net pay along with the distributions of the calculated water saturation for each geologic interval listed in **Table 4** are shown as **Figures 18B through 27B**.

#### **Field Location**

Field locations were verified by charting the fields of the basin by latitude and longitude coordinates (**Figure 1B**). Minor location problems were solved by locating fields on maps or checking several data sources. Regional boundaries are not always distinct; therefore, some fields along the boundaries may be listed in the incorrect Region. Field locations and Region and Area listed in the field summary tables are listed in **Appendix D**. The location of fields that produce from the geologic intervals of **Table 4** are also charted as coordinate graphs of latitude and longitude in **Figures 2B - 11B** to show the areas of the basin that are productive from the geologic intervals

#### **Reservoir Pressure**

The initial reservoir pressure was calculated for each reservoir that did not have a reported measured pressure. The depth to the reservoir and the pressure gradient of the basin were used in the calculation. The pressure gradient was determined for each Area of the basin. When compared, the gradients were approximately equal so a single gradient for the entire basin was calculated and used to obtain unreported pressures. When no measured pressure was reported, the reservoir depth (usually the top of the pay) was used as the reference depth for calculating the reservoir pressure. Depths were not corrected to a subsea datum is as much as the flat topography reduces most errors of depth measurements within the fields. Errors between fields may be introduced because of the small differences in surface elevations but the errors were considered insignificant. The graph of reported pressures at reservoir depth does not show significant scatter (**Figure 12B**). The fitted linear equation used to calculate unknown pressures is:

$$BHP = 0.451 * Depth$$

Where:

BHP = Pressure at reservoir depth (psi) 0.451 = Pressure gradient (psi / foot) Depth = Depth to reservoir (feet)

#### **Reservoir Temperature**

Linear equations fitted from measured temperatures at reservoir depth were used to calculate unknown reservoir temperatures. Reservoir temperatures vary across the basin so equations were determined for each Area of the basin. Most of the data indicated that a linear equation with a constant of approximately 30 degrees Fahrenheit could be used to calculate reservoir temperature. The equations used for each Area are:

North BHT=(0.0152\*Depth)+ 30 South BHT=(0.0197\*Depth)+ 30 West BHT=(0.0241\*Depth)+ 30 Middle ObBHT =(0.0191\*Depth)+ 30

Where:

Area BHT = Temperature at depth in area (°F.)0.0xxx= Temperature gradient (°F./foot)Depth= Depth to reservoir (feet)30= Constant

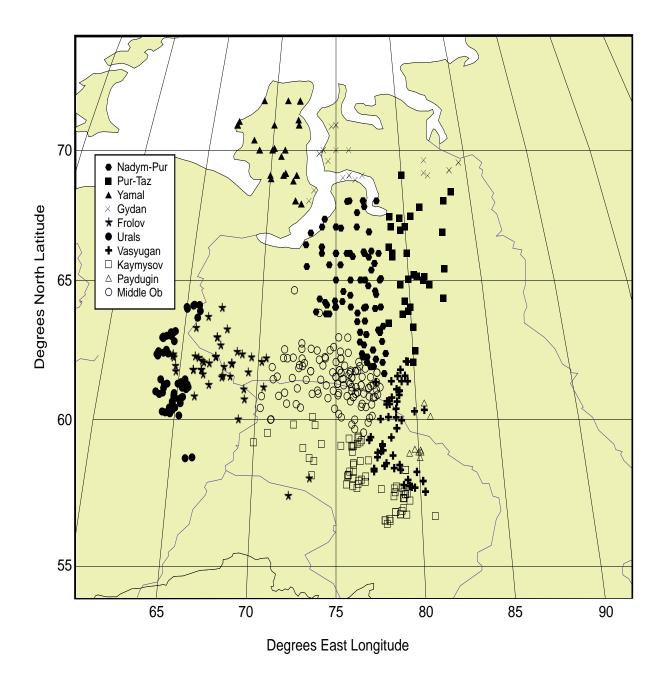
#### Porosity

For reservoirs with no reported porosity data, porosity was imputed based on a random selection from the observed distribution of porosity in the geologic interval. Reported porosity values ranged from 4 percent to 35 percent. Average values of the geologic intervals ranged between 12 percent and 26 percent.

# Permeability

The distribution of permeability within each geologic interval was determined and graphed. The mode of the reported permeability of each geologic unit was used where data were not available. Permeabilities ranged from 0.1 millidarcys to 1,900 millidarcys. Permeability is used in the calculation of water saturations and recovery efficiencies.

Figure 1B. Location of Fields Within Regions of West Siberian Basin by Latitude and Longitude



Source: Energy Information Administration, Office of Oil and Gas

Figure 2B. Location of Fields Producing from the Upper Cretaceous (All Areas) West Siberian Basin.

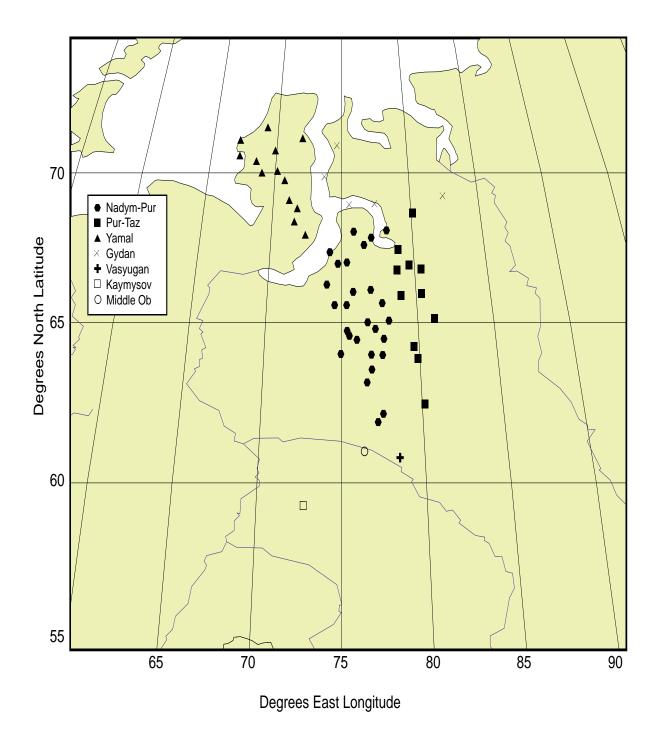
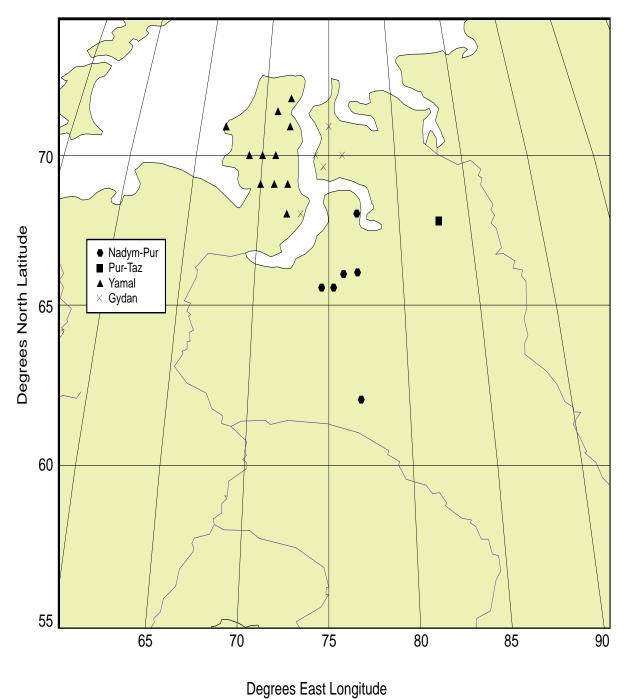


Figure 3B. Location of Fields Producing from the North Albian - Aptian Interval (North Area) West Siberian Basin



6 6

Figure 4B. Location of Fields Producing from the Albian-Aptian Interval (South Area) West Siberian Basin.

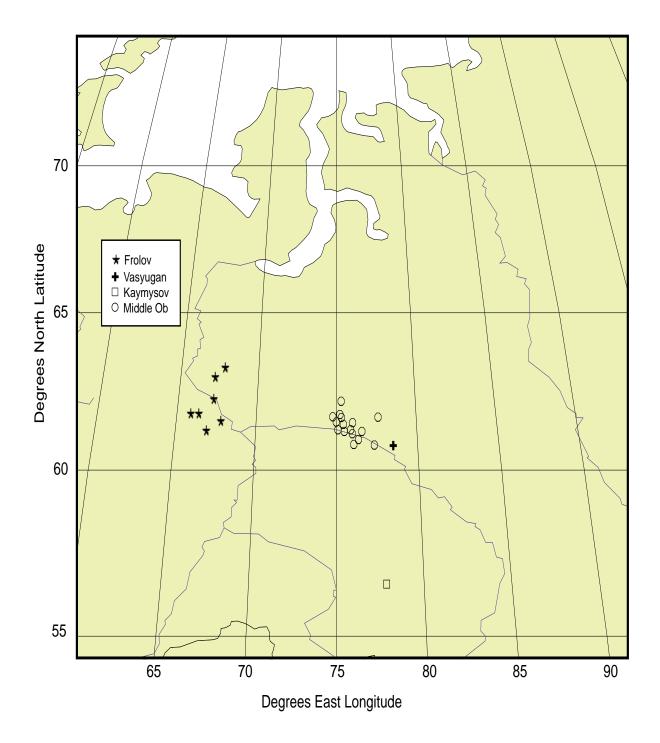


Figure 5B. Location of Fields Producing from the Neocomian Interval (North Area) West Siberian Basin.

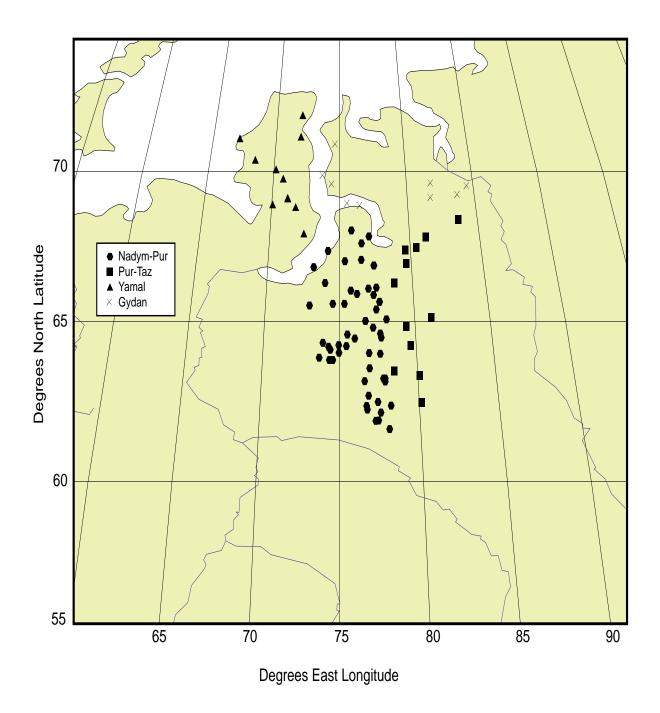
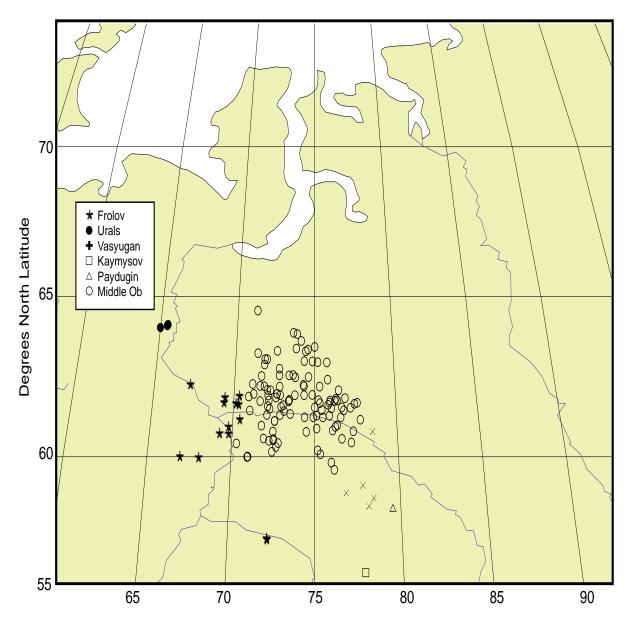
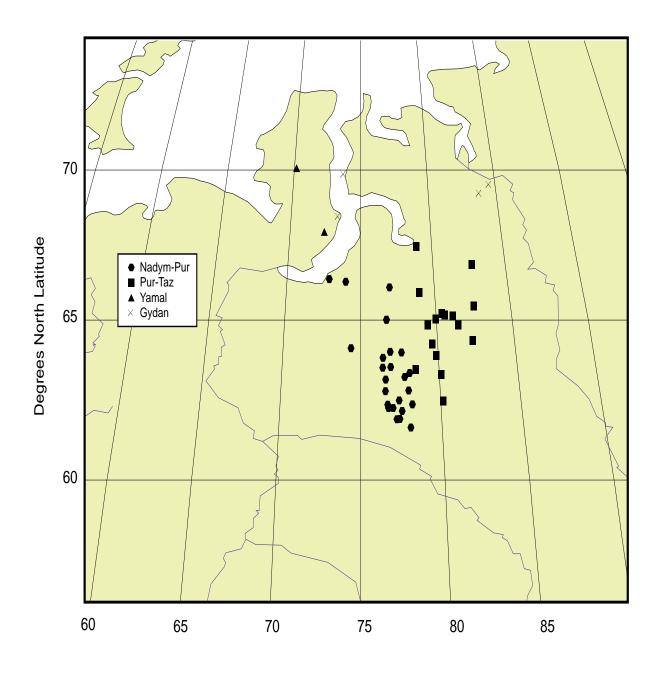


Figure 6B. Location of Fields Producing from the Neocomian Interval (South Area) West Siberian Basin.



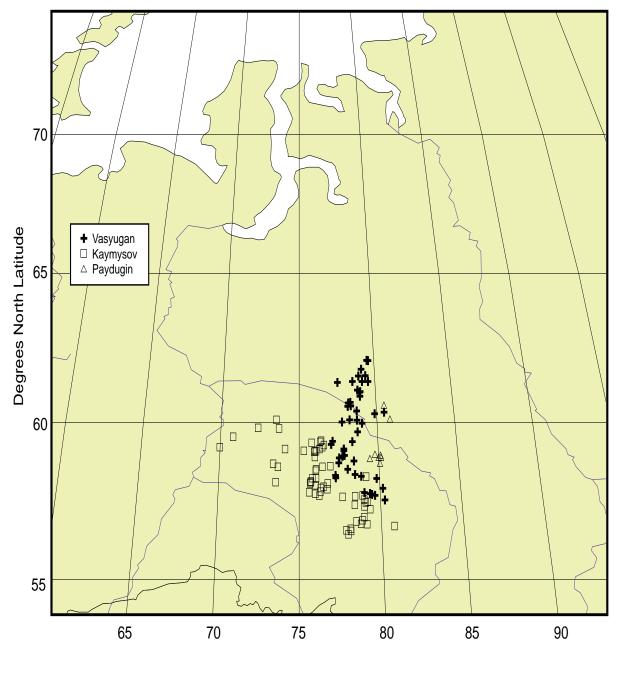
Degrees East Longitude

Figure 7B. Location of Fields Producing from the Jurassic Interval (North Area) West Siberian Basin.



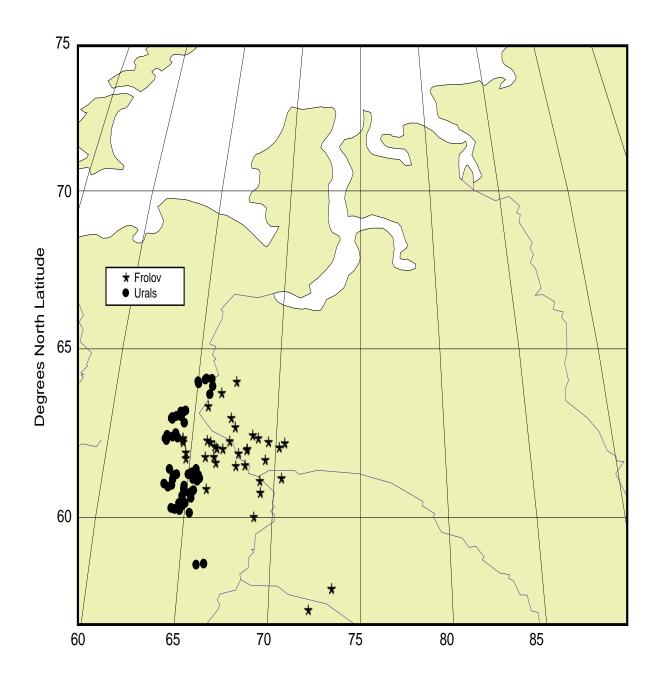
Degrees East Longitude

Figure 8B. Location of Fields Producing from the Jurrasic Interval (South Area) West Siberian Basin.



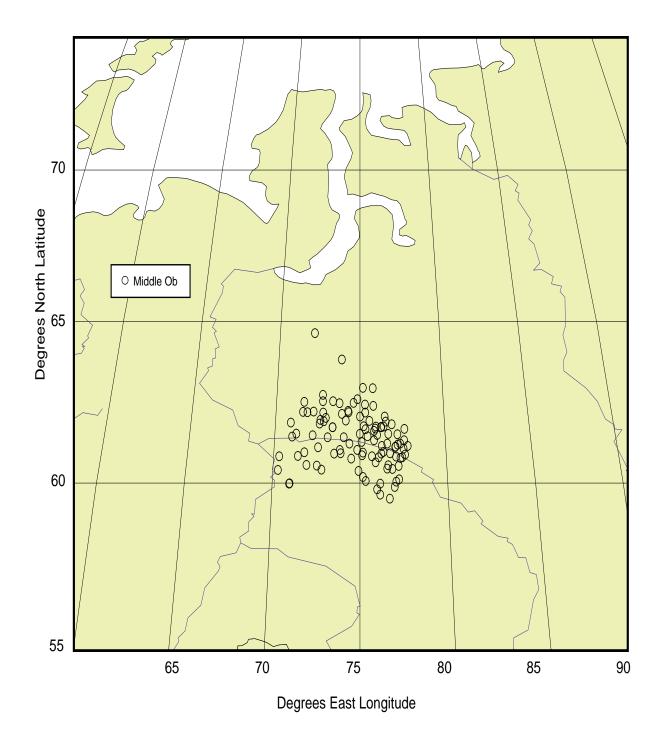
Degrees East Longitude

Figure 9B. Location of Fields Producing from the Jurassic Interval (West Area) West Siberian Basin.



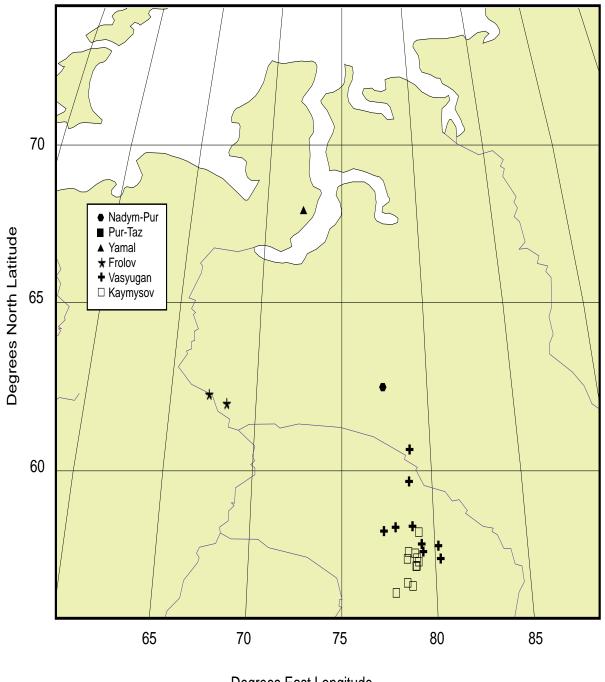
Degrees East Longitude

Figure 10B. Location of Fields Producing from the Jurassic Interval (Middle Ob Region) West Siberian Basin.



Source: Energy Information Administration, Office of Oil and Gas

Figure 11B. Location of Fields Producing from the Triassic-Paleozoic Interval (All Areas) West Siberian Basin.



Degrees East Longitude

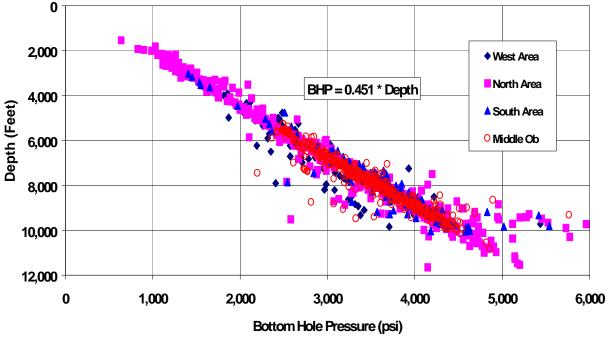
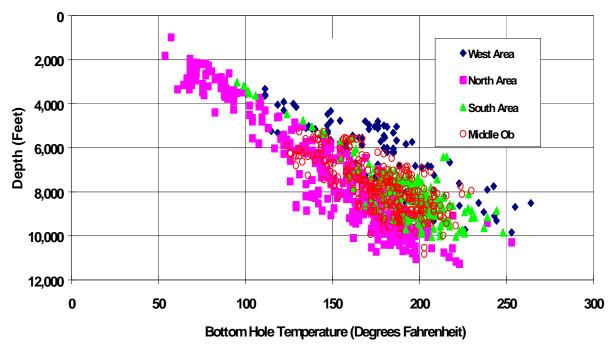


Figure 12B. Measured Bottom Hole Pressure (BHP) at Reported Depth, West Siberian Basin.

Source: Energy information Administration, Office of oil and Gas.





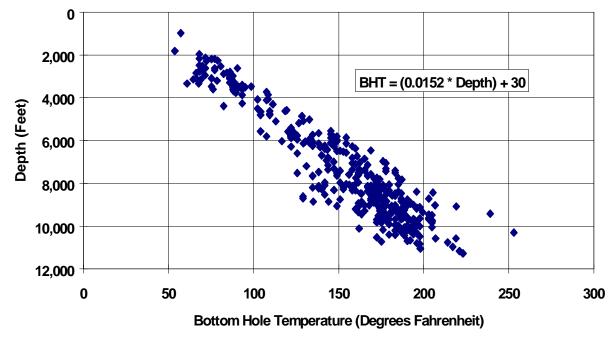


Figure 14B. Bottom Hole Temperature (BHT) at Depth for the North Area, West Siberian Basin.

Source: Energy Information Administration,Office of Oil and Gas.

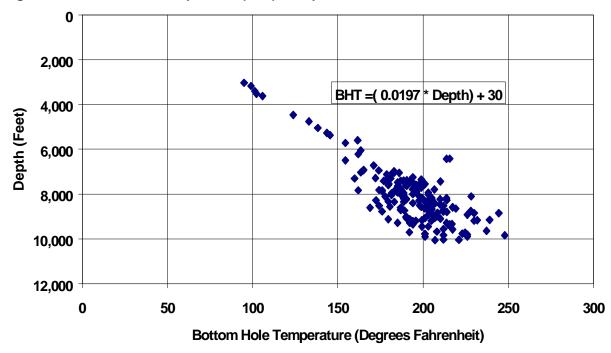


Figure 15B. Bottom Hole Temperature (BHT) at Depth for the South Area, West Siberian Basin.

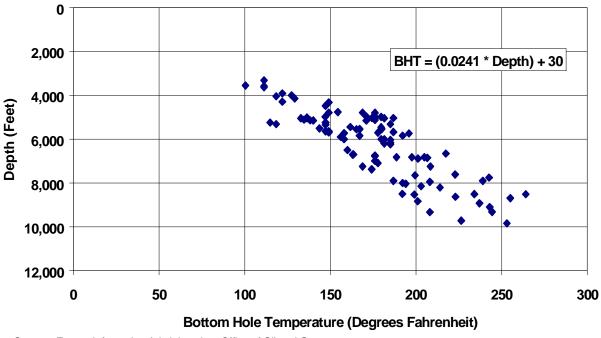
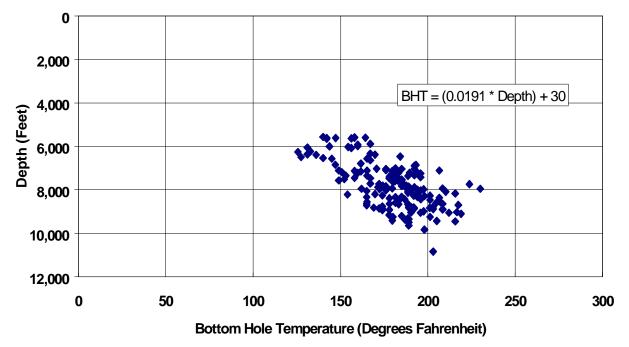
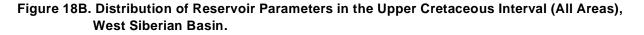


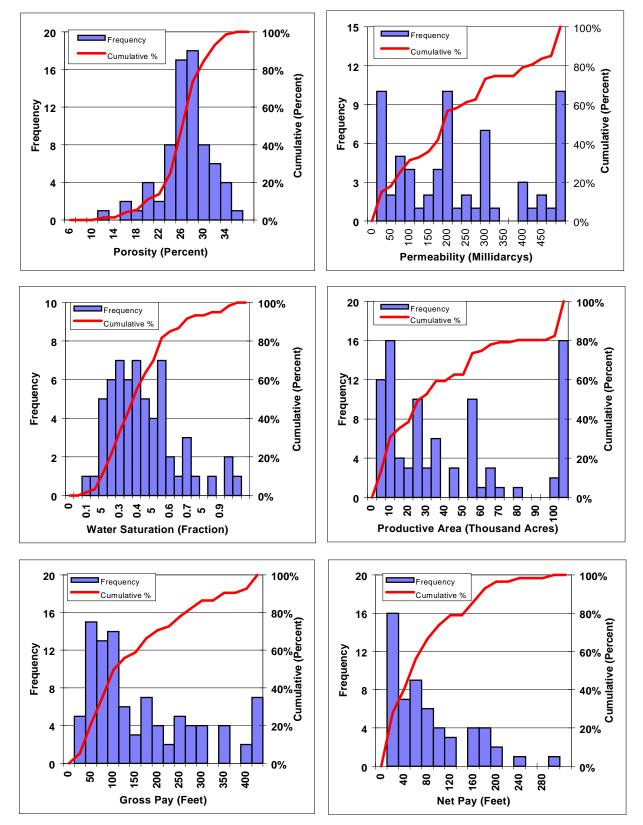
Figure 16B. Bottom Hole Temperature (BHT) at Depth for the West Area, West Siberian Basin.

Source: Energy Information Administration, Office of Oil and Gas









Source: Energy Information Administration, Office of Oil and Gas.

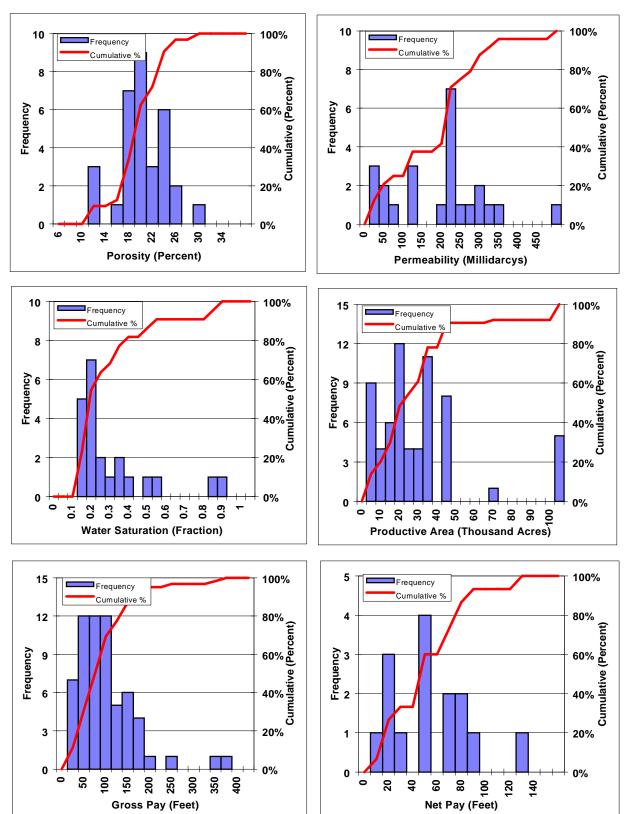
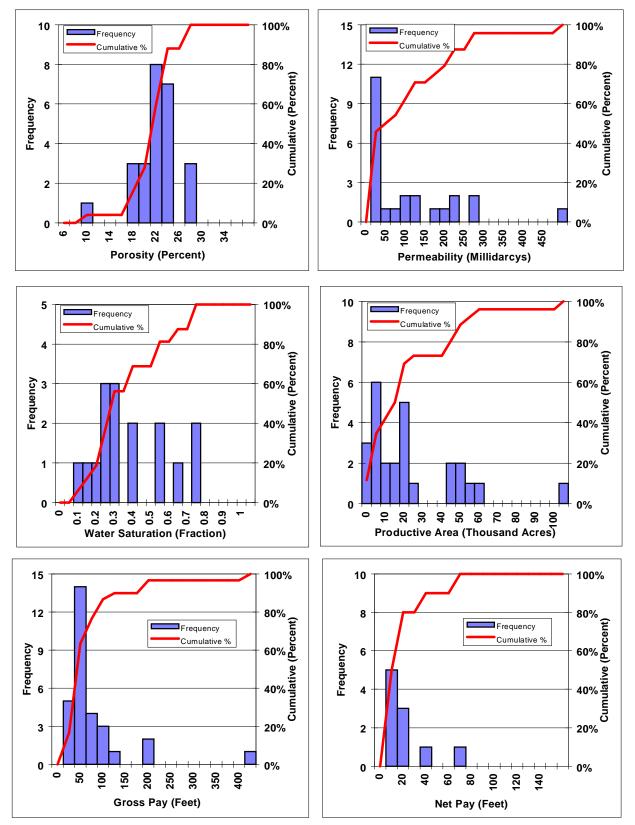


Figure 19B. Distribution of Reservoir Parameters in the Albian-Aptian Interval (North Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.





Source: Energy Information Administration, Office of oil and Gas.

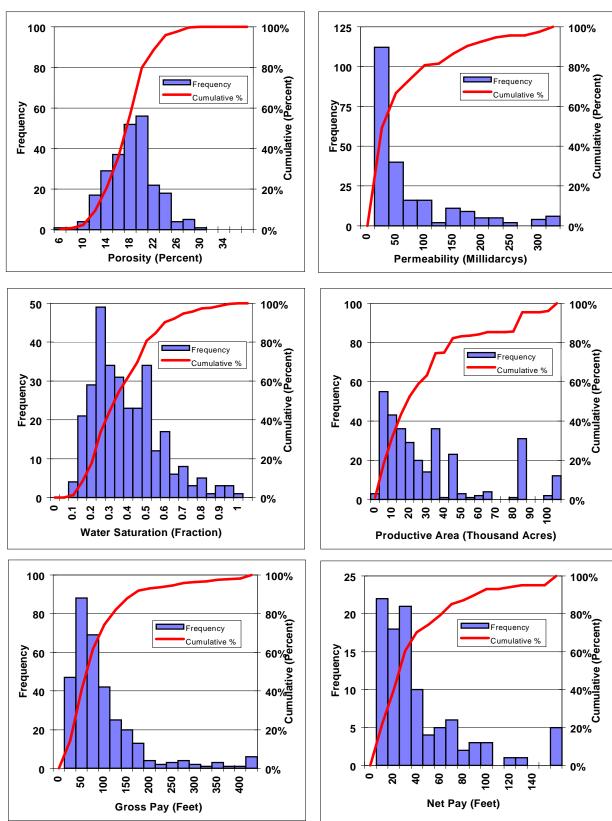
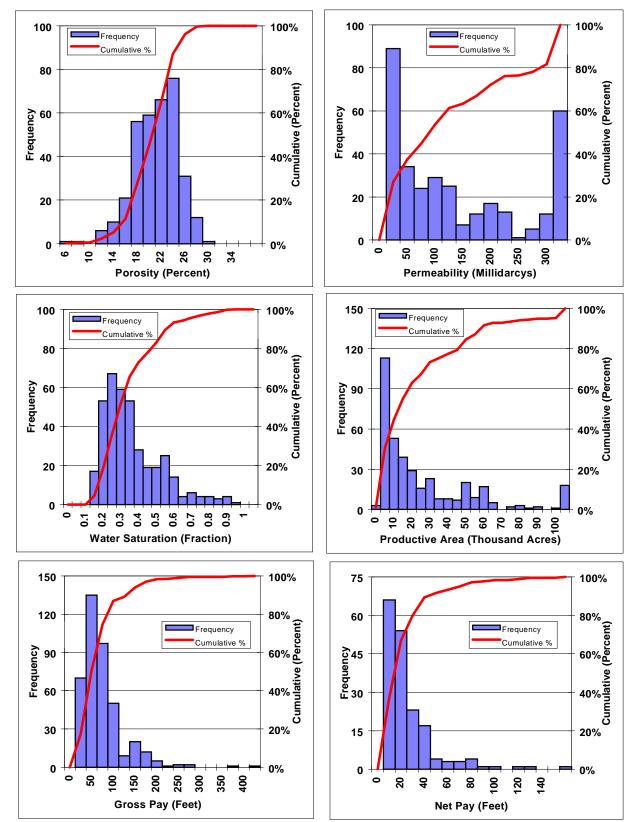


Figure 21B. Distribution of Reservoir Parameters in the Neocomian Interval (North Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.



# Figure 22B. Distribution of Reservoir Parameters in the Neocomian Interval (South Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.

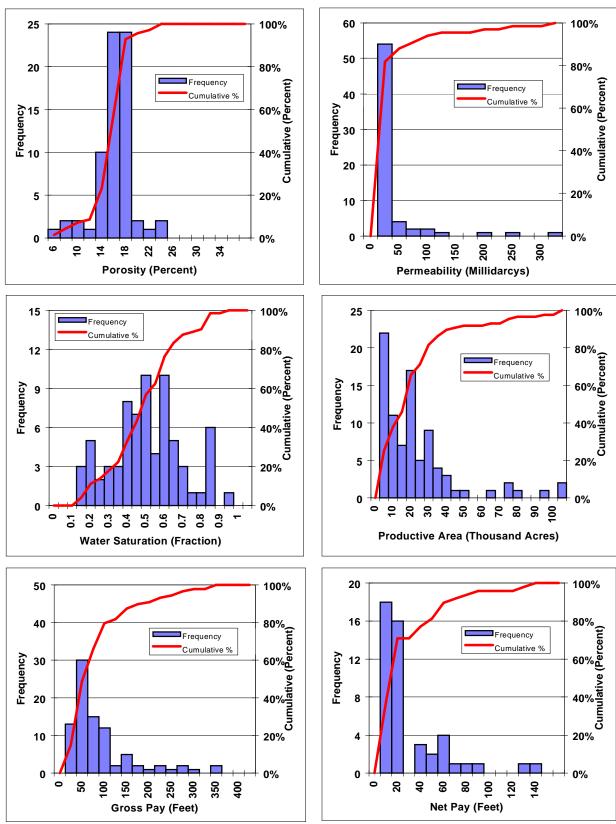


Figure 23B. Distribution of Reservoir Parameters in the Jurassic Interval (North Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.

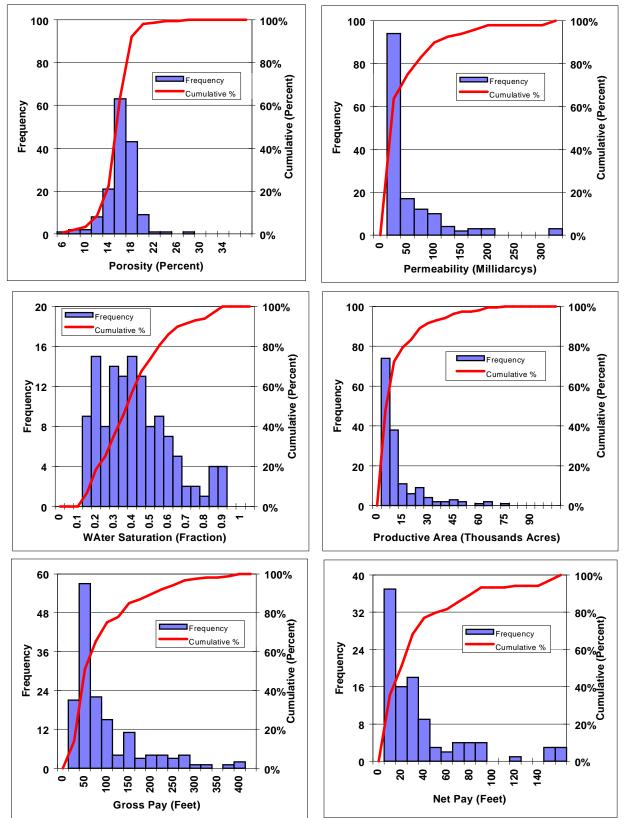


Figure 24B. Distribution of Reservoir Parameters in the Jurassic Interval (South Area), West Siberian Basin.

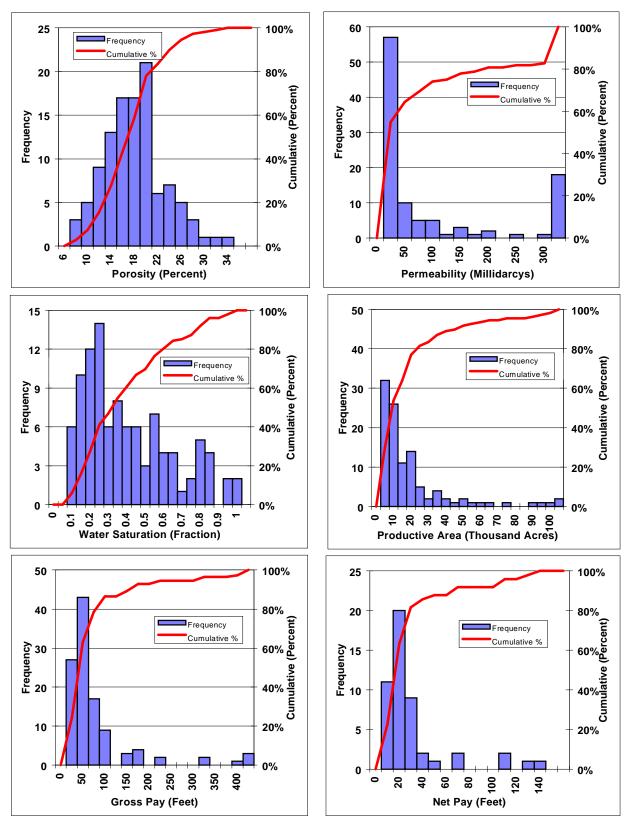


Figure 25B. Distribution of Reservoir Parameters in the Jurassic Interval (West Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.

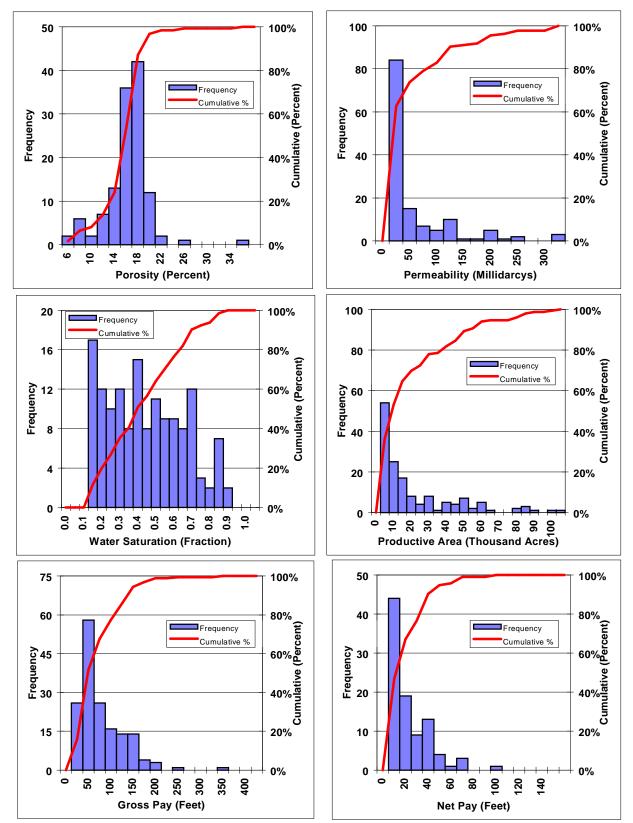


Figure 26B. Distribution of Reservoir Parameters in the Jurassic Interval (Middle Ob Area), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.

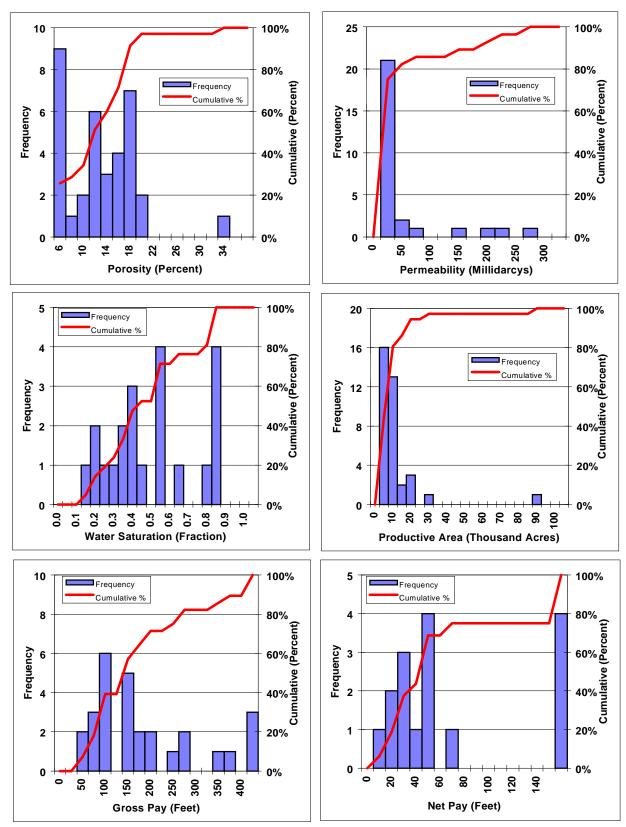


Figure 27B. Distribution of Reservoir Parameters in the Triassic-Paleozoic Interval (All Areas), West Siberian Basin.

Source: Energy Information Administration, Office of oil and Gas.

#### Water Saturation

A limited amount of water saturation data was available. Since porosity data appears to be consistent within selected geologic intervals and permeability data are available, the correlation developed by Morris<sup>1</sup> and Timur<sup>2</sup> and updated by Coates<sup>3</sup> and Raymer<sup>4</sup> was used to calculate water saturations. This correlation did not hold true for all data combinations. The mode of the calculated water saturation was used as the most representative of the reservoir water saturation. The range of the water saturations was from 26.2 percent to 43.1 percent. The equation used to calculate water saturation is:

$$S_w = 100 \ \theta^{2.25} / k^{0.5}$$

Where:

 $S_w$  = Irreducible water saturation (fraction)

 $\theta$  = Porosity (fraction)

k = Permeability (millidarcy)

#### **Productive Area**

To estimate in-place hydrocarbons by reservoir, a method was developed to determine unknown areas using the available data. The available productive area data for reservoirs were presented in several forms, and reservoir areas were available for only a portion of the fields. Data from some fields were presented as the sum of all reservoirs in the field, while some sources reported the area of the largest reservoir. When a single value was reported for field area, it was assumed that the area represented the surface area of the field or the area of the reservoir of greatest areal extent in the field.

To estimate individual reservoir areas in fields with a single field area given, an equation was fitted to the ratio of the average reservoir area divided by the largest reservoir area in the field versus the number of reservoirs in the field for those fields with reported area data (**Figure 28B**). The equation determined from the graph provided a method of reducing the area of the largest reservoir (or total field area) to an average area of multiple reservoirs. The ratio determined from the following equation was multiplied by the area of the largest reservoir to determine the average area to be used for each reservoir in that field.

*Ratio* = 
$$1.0501 * n^{-0.5459}$$

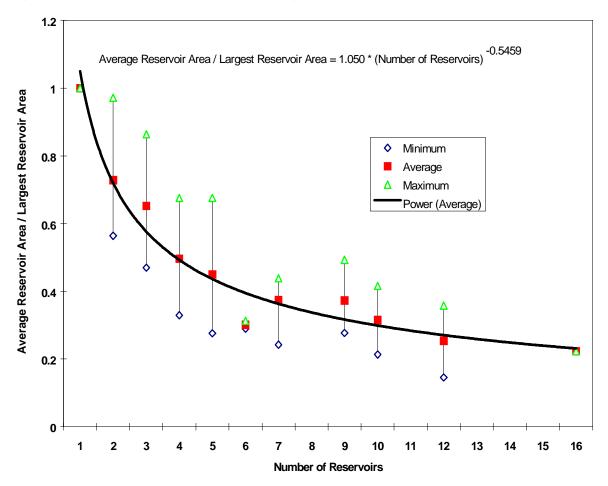
Where:

- Ratio = Average reservoir area divided by area of largest reservoir
  - n = Number of reservoirs in field

Even with multiple reservoir areas reduced, the areas may be overstated because of depositional discontinuities that occur in sandstone reservoirs. Reported areas may be from seismic interpretation or exploration prospect mapping which has not been more closely defined by remapping after development drilling.

#### **Reservoir Thickness**

Gross pay thickness and net pay thickness were reported in the available data sources for some of the reservoirs. Other reservoirs had either gross or net pay reported. For a few reservoirs, no pay was reported. When both gross and net pay were given, a ratio of net pay to gross pay was calculated. If only gross pay was reported, the average net to gross ratio of the corresponding geologic interval was used to estimate the net pay. When neither gross nor net pay were reported, the gross pay was defined as the difference between the depth of the geologic unit being evaluated and the depth of the next deeper geologic unit. Then net pay was determined using the net to gross ratio. If depth information was not adequate, the average net pay for the geologic interval was used for hydrocarbon in-place calculations. The range of reported gross pay in the basin was from 4 feet to 1,600 feet with a net pay range of 3 feet to 400 feet.





Source: Energy Information Administration, Office of Oil and Gas.

# **Fluid Properties**

Reservoir fluid properties were determined using correlations prepared by Muchmore<sup>5</sup> for use with personal computer spreadsheet software. Most of the empirical correlations programed by Muchmore are from Kartoatmodjo,<sup>6</sup> who used a large data base to select the best correlation from various methods. Oil property correlations from Vasques and Beggs,<sup>7</sup> water property correlations from Meehan,8 and rock compressibility correlation from Hall<sup>9</sup> were used in this analysis. These correlations were used to calculate all properties except oil and gas specific gravities. Average oil and gas specific gravities within the major geologic intervals and Regions were used instead of the correlations. The following are the equations used in the spreadsheet calculations. A list of the symbols and nomenclature follows the equations.

#### **Oil Formation Volume Factor**

Below bubble point pressure:

$$B_{of} = 0.98496 + 0.0001 * F^{1.5}$$

Where:

$$F = R_{sf}^{0.755} * \rho_g^{0.25} * \rho_o^{-1.50} + 0.45 T$$

Above bubble point pressure:

$$B_{ofa} = B_{ofb} * e^{c_o(P_b - P)}$$

#### **Oil Compressibility**

Isothermal oil compressibility:

$$c_o = \frac{6.8257 \times 10^{-5}}{P} * R_{sf}^{0.5002} * API^{0.361}$$
$$* T^{0.76606} * \rho_g^{0.35505}$$

#### **Crude Oil Gravity**

Reported crude oil gravity was used when available. Averages of oil gravity by geologic intervals were used when there were no reported data. Reported oil gravity ranged from 33.5 degrees to 42.3 degrees API. The oil gravities of the major oil producing intervals were in the range of 36 degrees to 38 degrees API.

#### **Solution Gas-Oil Ratio**

For API gravity < 30 degrees:

$$R_{sf} = 0.05958 * \rho_g^{0.7972} * P^{1.0014}$$
$$* 10^{13.1405 \ API \ / \ (T + 460)}$$

For API gravity > 30 degrees:

$$R_{sf} = 0.03150 * \rho_g^{0.7587} * P^{1.0937}$$
$$* 10^{11.2895 \ API / (T + 460)}$$

#### **Bubble Point Pressure**

For API gravity < 30 degrees:

 $P_b$  =

 $[\frac{R_{sf}}{0.05958*\rho_g^{0.7972}*10^{13.1405 API/(T+460)}}]^{0.9986}$ 

For API gravity > 30 degrees:

 $P_{h} =$ 

 $[\frac{R_{sf}}{0.0315*\rho_g^{0.7587}*10^{11.2895API/(T+460)}}]^{0.9143}$ 

#### **Gas Formation Volume Factor**

$$B_g = \frac{5.04 \ Z \ (T+460)}{P}$$

 $\mu_{ob} = 0.06821 + 0.9824 * f + 0.0004034 * f^2$ 

Where:

$$f = (0.2001 + 0.8428X10^{-0.000845 * R_{sb}})$$
$$* \mu_{od}^{(0.43+0.5185 * y)}$$

And:

$$y = 10^{-0.00081 * R_{sb}}$$

Live oil viscosity at the bubble point:

 $\mu_{oBP} = \mu_{ob} at R_{sb} = R_{si}$ 

Dead oil viscosity:

$$\mu_{od} = 16X10^8 * T^{-2.8177} * (\log API)^{5.7526} * \log(T)^{-26.9718}$$

## **Oil Viscosity**

Live oil above the bubble point:

$$\mu_{oa} = 1.00081 * \mu_{oBP} + 0.001127(P - P_b)$$
$$*(-0.006517 * \mu_{oBP}^{1.8148} + 0.038 * \mu_{oBP}^{1.590})$$

$$c_r = 13.172X10^{-6} \theta^{-0.4317}$$

**Rock Compressibility** 

Where:

 $\theta = \text{Porosity}$ 

$$c_w = \frac{A + (B * T) + (C * T^2)}{10^6} * GSC * SC$$

Where:

$$A = 3.8546 - (0.000134 * P)$$
  

$$B = -0.01052 + (4.77X10^{-7} * P)$$
  

$$C = 3.9267X10^{-6} - (8.8X10^{-10} * P)$$
  

$$GSC = 1 + (8.9X10^{-3}) + R_{sw}$$
  

$$SC = [-0.052 + (2.7X10^{-4} * T) - (1.14X10^{-6} * T^2) + (1.121X10^{-9} * T^3)]$$
  

$$* \% NaCl^{0.7} + 1$$

#### Nomenclature

API= American Petroleum Institute.

- B<sub>ofa</sub>= Oil formation volume factor above bubble point pressure (reservoir barrels / stock tank barrel)
- B<sub>ofb</sub>= Oil formation volume factor at bubble point (reservoir barrels / stock tank barrel).
- B<sub>of</sub> = Oil formation volume factor below bubble point (reservoir barrels / stock tank barrel)
- $B_g = Gas$  formation volume factor (reservoir barrels / thousand cubic feet).
- $c_o = Isothermal oil compressibility (poinds<sup>1</sup>)).$
- $c_w =$  Water compressibility (pounds / square inch<sup>-1</sup>).
- $c_r = Rock compressibility (pounds / square inch<sup>-1</sup>).$
- P = Reservoir pressure (pounds / square inch).
- $P_{b}$  = Bubble point pressure (pounds / square inch).
- $R_{si}$  = Gas in solution at initial pressure (cubic feet / stock tank barrel).
- $R_{sb}$  = Gas in solution at bubble point pressure (cubic feet / stock tank barrel).
- $R_{sf}$  = Gas in solution at/or below bubble point pressure (cubic feet / stock tank barrel).
- T = Reservoir temperature (degrees Fahrenheit).
- Z = Real gas deviation factor.
- $\rho_{o}$  = Oil density (grams / cubic centimeter)
- $\rho_{\sigma} = \text{Gas specific gravity}$
- $\mu_{0a}$  = Oil viscosity above bubble point (centipoise).
- $\mu_{ob}$  = Oil viscosity below bubble point (centipoise).
- $\mu_{oBP}$  = Oil viscosity at bubble point (centipoise).
- $\mu_{od}$  = Dead oil viscosity (centipoise).
- $\theta$  = Porosity (percent of rock volume).
- F = Correlation number for calculating oil formation volume factor.
- f = Correlation number for calculating live oil viscosity.
- y = Correlation number for calculating live oil viscosity.
- SC = Water salinity correction factor
- GSC = Gas solubility in water correction factor.
- %NACl = Percent sodium chloride in water.

# References

1. R.L. Morris and W. P. Biggs, *Using Log Derived Values of Water Saturation and Porosity*, Trans. SPWLA (1967).

2. A. Timur, An Investigation of Permeability, Porosity, and Residual Water Saturation Relationships for Sandstone Reservoirs, The Log Analyst (July - August 1968).

3. G. R. Coates and J. L. Dumanoir, *A New Approach to improved Log-Derived permeability*, The Log Analyst (January - February 1974).

4. L. L. Raymer, *Elevation and Hydrocarbon* Density Correction for Log-Derived Permeability Relationships, The Log Analyst (May - June 1981).

5. D. Muchmore, "Macros Help Solve Common Petroleum Engineering Calculations," *Oil and Gas Journal (November 6, 1995)* pp. 38-44.

6. T. Kartoatmodjo and Z. Schmidt, "Large Data Bank Improves Crude Physical Property Correlations," *Oil and Gas Journal (July 4, 1994)* pp. 51-55.

7. M. E. Vasques and H. D. Beggs, "Correlations for Fluid Physical Property Prediction," *JPT* (June, 1980) pp 968-970.

8. D. N. Meehan, "A Correlation for water Compressibility," *Petroleum Engineer International*, (November, 1980) pp 125-126.

9. H. N. Hall, "Compressibility of Reservoir Rocks," *Transactions AIME, vol.198, p.309.* 

Appendix C

# **Calculation Procedures**

# **Calculation Procedures**

# Hydrocarbons in Place

The oil and gas in place were calculated for each reservoir identified as oil or gas bearing in a field. The volume of oil or gas per acre foot of reservoir was calculated and then multiplied by the number of acres and the net pay thickness of the reservoir.

#### Initial Oil in Place

$$IOIP = \frac{7758 * \theta * (1-S_w)}{B_o}$$

#### Initial Gas in Place

$$IGIP = \frac{7758 * \theta * (1-S_w)}{B_g}$$

Where:

- IOIP = Initial oil in place (stock tank barrels / acrefoot)
- IGIP = Initial gas in place (thousand cubic feet / acre-foot)
- 7758 = Barrels per acre-foot
- $\theta$  = Porosity (fraction)
- $S_{w}$  = Water saturation (fraction)
- B<sub>o</sub> = Oil formation volume factor (reservoir barrels / stock tank barrel)
- B<sub>g</sub> = Gas formation volume factor (reservoir barrels / thousand cubic feet)

#### **Oil Volume**

$$VO = \frac{IOIP * A * h}{1,000,000}$$

Gas volume

$$VG = \frac{IGIP * A * h}{1,000,000}$$

Where:

VO = Oil volume (million barrels)

- VG = Gas volume (billion cubic feet)
- IOIP = Initial oil in place (stock tank barrels / acrefoot)
- IGIP = Initial gas in place (thousand cubic feet / acre-foot)

$$A = Area (acres)$$

$$h = Net pay (feet)$$

A recovery efficiency was applied to the volume of each reservoir to determine potential recoverable oil or gas. No consideration was given to economics of development.

# **Primary Oil Recovery**

The fraction of the initial oil in place that would be produced by solution gas drive was calculated for each oil reservoir. The primary oil recovery factor for reservoirs with initial pressure above the bubble point pressure was calculated as the sum of the recoveries above and below the bubble point pressure. The initial oil in place for each reservoir was then multiplied by the recovery factor to determine the volume of oil recoverable under primary depletion.

#### Oil Recovery Above Bubble Point

The bubble point pressure and initial pressure were determined for each oil reservoir. If the initial pressure exceeded the bubble point pressure, an incremental recovery was calculated based on fluid expansion as the pressure dropped to the bubble point pressure. This recovery was added to the primary oil recovery that was calculated from the bubble point pressure to the abandonment pressure.

$$R_{aPb} = c_t (P_i - P_b)$$

Where:

- $R_{aPb}$  = Fraction of IOIP recovered
- $P_i$  = Initial reservoir pressure (psi)
- $P_{b}$  = Bubble point pressure (psi)
- $c_t = Total system compressibility (psi<sup>-1</sup>)$

And:

$$c_{t} = c_{w} * S_{w} + c_{o} * S_{o} + c_{r}$$

Where:

 $\begin{array}{l} c_w = Water \ compressibility \ (psi^{-1}) \\ c_o = Oil \ compressibility \ (psi^{-1}) \\ c_r = Rock \ compressibility \ (psi^{-1}) \\ S_w = Water \ saturation \ (fraction) \\ S_o = Oil \ saturation \ (fraction) \end{array}$ 

#### Oil Recovery Below the Bubble Point

Primary oil recovery of oil below the bubble point was calculated for each reservoir in units of barrels per acre foot; therefore, the area and net thickness of each reservoir were multiplied by the calculated recovery to determine the recovery in stock tank barrels from each reservoir identified as oil bearing. The statistical correlation for primary recovery was taken from a study by the American Petroleum Institute.<sup>1</sup>

$$R_{pri} = 3244 \left[\frac{\theta (1-S_w)}{B_{ob}}\right]^{1.1611} * \left[\frac{k}{\mu_{ob}}\right]^{0.097}$$
$$* \left[S_w\right]^{0.3722} * \left[\frac{P_b}{P_a}\right]^{0.1741}$$

Where:

 $R_{pri}$  = Primary oil recovery below bubble point (Barrels / acre-foot)

- $\theta$  = Porosity (fraction)
- $S_{w}$  = Water saturation (fraction)
- $B_{ob}$  = Oil formation volume factor at bubble point
- k = Permeability (darcys)
- $\mu_{ob}$  = Oil viscosity at bubble point (centipoise)
- $P_b$  = Bubble point pressure (psi)
- $P_a$  = Abandonment pressure (psi)

And:

 $P_a = 0.1(psi / ft) * Depth to reservoir (feet)$ 

### Enhanced Oil Recovery

Many of the producing fields are being waterflooded to enhance oil recovery. Indications are that the waterfloods are inefficient by U.S. standards with high producing water-oil ratios and low incremental recovery. The extent of field development (well spacing), multiple reservoir fields, stratification of reservoirs, and lateral discontinuities would adversely effect the waterflood recovery efficiency. All of these conditions exist in the fields of the basin. Therefore, it is assumed that enhanced recovery will contribute an amount equal to the calculated primary oil recovery with the following limitations. Oil reservoirs in predominantly gas fields and the Bazhenov shale formation will not be waterflooded. Also, no reservoirs below the Jurassic section or with permeability less than 10 millidarcys will be subject to enhanced recovery processes such as waterflooding.

# Associated-Dissolved Gas Recovery

Associated-dissolved gas recovery was calculated by multiplying the solution gas-oil ratio at the initial pressure by the recoverable oil volume. The initial pressures of the reservoirs were near the calculated bubble point pressures, and the reported initial gas-oil ratios confirmed the calculations of solution gas-oil ratios and bubble point pressures. No attempt was made to determine the recovery of the solution gas that was liberated from the remaining oil in place by pressure depletion. When the initial gas-oil ratio of a field was greater than the solution gas-oil ratio, the reported gas-oil ratio was used to calculate associated gas recovery. In several fields, an associated gas cap appears to affect the producing gas-oil ratio. Although the associated-dissolved gas volume for the basin is large, the amount of associated gas is minor compared to the amount of nonassociated gas in the basin.

## Nonassociated Gas Recovery

Recoverable nonassociated gas was calculated as the difference between the initial gas in place and the remaining gas in place at an abandonment pressure. The abandonment pressure was calculated by multiplying an assumed abandonment gradient of 0.1 pounds per square inch per foot by the depth to the reservoir, which is consistent with the abandonment pressure used for calculating primary oil recovery.

### **Condensate Recovery**

Significant condensate is produced in the transition area of the basin between the oil reservoirs in the central basin and the nonassociated gas reservoirs in the northern part of the basin. Condensate recovery was calculated using the yield in barrels of condensate per million cubic feet of gas produced as reported from gas reservoir tests. When data were not available, no recoverable condensate was assigned. Condensate volumes were added to oil volumes in the projections of future potential.

## **Future Projections**

Future discoveries were projected using a modified logistics equation to fit the discovery history.<sup>2</sup> Total recovery from the basin was calculated by adding the undiscovered resources estimated by the USGS to the discovered reserves estimated in this analysis. Cumulative discovered reserves were calculated at each year in the future, and an iterative scheme was used to schedule annual production. Cumulative production was subtracted from the discovered reserves in each year to estimate remaining reserves. Production for the next year was then calculated based on a reserves-to-production ratio (R/P) that was previously determined. This production was added to the previous cumulative production and the process was repeated until the R/P equaled 1.0 (depletion).

The end-point of the projected R/P ratio was taken to be the last calculated discovery based on the logistics equation. For the oil case an end year of 2100 was used, and for gas; the final year was 2200. The historical R/P ratio for oil has been declining exponentially since 1980. Therefore an extrapolation of that trend was used to determine the future R/P ratio. The gas R/P ratio was also declining but a consistent trend had not been established. Therefore, an exponential decline from the current gas R/P to a final R/P of 1.0 in the year 2200 was used to approximate the productive capacity of the gas reservoirs (**Figures 1C and 2C**). The logistic equation that was used in projecting cumulative discoveries is from the work of Hubbert,<sup>3</sup> with modifications by EIA.<sup>4</sup>

$$Q_{D}(t) = \frac{Q_{\max}}{1 + e^{[(B_{1}S + (1-S)B_{4})(t-t_{0}+B_{2})]}}$$

Where:

e

- $Q_D(t) = Cumulative discoveries at time t$ (remaining discovered reserves plus cumulative production).
- $Q_{max}$  = Ultimate recovery.
- $B_1 = A$  constant negative parameter that is slowly switched off.
- S = The switching function which is equal to the quantity  $e_{3}^{B(t-t)}$ .
- B<sub>2</sub> = A constant negative parameter that controls the timing of maximum theoretical production capability (the peak of the theoretical
  - maximum production capability occurs approximately at the time when  $t = t_0 - B_2$ ).
- $B_3 = A$  constant negative parameter that controls the rate of switch.
- B<sub>4</sub> = The estimated decline rate from known deposits which, in turn, dictates the annual additions to proved reserves in the latter stages of development, also a negative parameter.
- $(t-t_0) =$  The time after some reference period,  $t_0$ .
  - = The base of the Naperian logarithms.

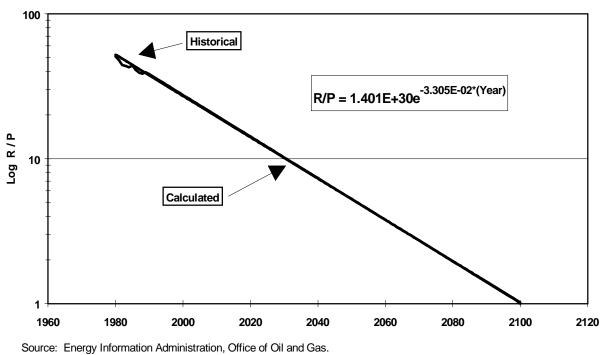
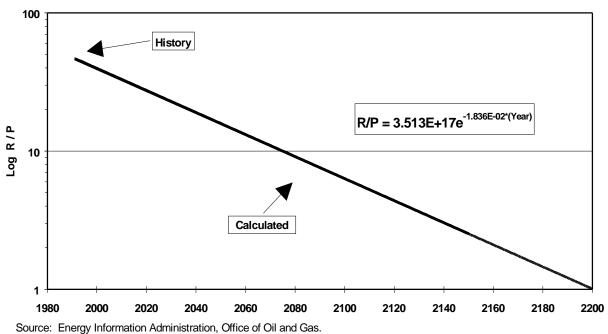


Figure 1C. Remaining Reserves / Annual Production Ratio (R / P) for Crude Oil Projection, West Siberian Basin

Figure 2C. Remining Reserves / Annual Production Ratio (R / P) for Gas Projection, West Siberian Basin



#### References

1. American Petroleum Institute, *A Statistical Study of Recovery Efficiency*, API BUL D14 (Washington DC, October, 1967).

2. SigmaPlot Scientific Graphing Software, *Transforms and Curve Fitting*, Revision SPW 1.0 (United States, July 1993).

3. M.K. Hubbert, *U. S. Energy Resources, A Review of 1972*, Serial no. 93-40 (92-72), Part I, 1974 (U.S. Printing Office, Washingto DC).

4. Energy information Administration, *Report on the Petroleum Resources of the Federal Republic of Nigeria*, DOE/IA - 0008 (Washington, DC, October 1979).

Appendix D

## **Field Summaries**

Appendix D

### **Field Summaries**

Tables 1D and 2D lists the fields of the West Siberian Basin in alphabetical order. Table 1D shows the location of each field by Region of the basin and the degrees of longitude and latitude. The discovery date, producing status, and primary product are also included in Table 1D. The calculated ultimate recovery of crude oil, associated-dissolved gas, nonassociated gas and condensate from each field are tabulated in Table 2D. The oil and condensate are reported in millions of barrels with the associated and nonassociated gas reported in billions of cubic feet.

**Tables 3D through 24D** report the same information by Regions of the basin. Each list of fields in the Regions is sorted alphabetically.

| Latitude<br>(degrees)         Latitude<br>(degrees)         Discovery<br>Date         Producing<br>Status         Primary<br>Product           Achimovskoye (Achimov)         OB         60.07         75.34         1981         SI         Oil           Aganskoye         OB         61.47         76.02         1985         PS         Oil           Aganskoye Zapadnoye         OB         61.30         75.88         1980         PS         Oil           Aganskoye Zapadnoye         OB         62.16         77.02         1981         SI         Gas           Alekninskoye         OB         60.43         77.21         1984         SI         Oil           Alekninskoye         OB         60.43         77.21         1984         SI         Gas           Alyasovskoye Sevemoye         UR         64.06         65.44         1956         SI         Gas           Antipayutaskoye         NP         63.78         76.44         1989         SI         Oil           Archinskoye         VA         69.74         70.74         1986         DV         Oil           Asomkinskoye         OB         61.01         73.83         1980         SI         Oil           Arinipsyutaskoje   | Table TD. Dasie Field Informa |        | North     | East      | priabotically | <i>by</i> : :0:4 :14 |         |
|---|-------------------------------|--------|-----------|-----------|---------------|----------------------|---------|
| Field Name         Region         (degrees)         (degrees)         Date         Status         Product           Achimovskoye (Achimov)         OB         60.07         75.34         1981         SI         Oil           Aganskoye Vuzhnoye         OB         61.47         76.02         1985         PS         Oil           Aganskoye Yuzhnoye         OB         61.45         77.02         1981         PP         Oil           Aganskoye Zapadnoye         OB         62.16         71.88         1971         PS         Oil           Alekhinskoye         OB         62.16         71.88         1971         PS         Oil           Alyasovskoye Severnoye         UR         64.06         65.44         1986         SI         Gas           Anomalnoye         UR         64.06         65.44         1986         SI         Oil           Aprelyskoye         PR         62.38         68.63         1982         SI         Oil           Archinskoye         KA         57.47         75.83         1988         SI         Oil           Archinskoye Vuzhnoye         OB         61.01         73.84         1982         SI         Oil           Arch   |                               |        |           |           | Discovery     | Producing            | Primary |
| Achimovskoye (Achimov)         OB         60.07         75.34         1981         SI         Oil           Aganskoye         OB         61.47         76.02         1985         PS         Oil           Aganskoye Yuzhnoye         OB         61.30         75.88         1980         PS         Oil           Aganskoye Zapadnoye         OB         61.45         77.02         1981         PP         Oil           Akaytemskoye         UKN         1991         SI         Gas         Alekhinskoye         Oil           Alekhinskoye         OB         60.43         77.21         1964         SI         Oil           Alpasovskoye Yuzhnoye         UR         64.09         65.49         1936         SI         Gas           Antipayutaskoye         UKN         1992         SI         Oil         Antipayutaskoye         NP         63.78         76.44         1989         SI         Oil         Archinskoye         NA         63.78         76.44         1985         SI         Oil         Archinskoye         NA         63.78         70.74         1985         SI         Oil         Archinskoye         NA         63.78         70.74         1985         NI         Oil  | Field Name                    | Region |           |           |               | -                    |         |
| Aganskoye         Vizhoye         OB         61.47         76.02         1965         PS         Oil           Aganskoye Zapadnoye         OB         61.30         75.88         1980         PS         Oil           Aganskoye Zapadnoye         OB         61.45         77.02         1981         PP         Oil           Akaytemskoye         UKN         1991         SI         Gas           Alekhinskoye         OB         62.16         71.88         1971         PS         Oil           Alekhinskoye Severnoye         UR         64.06         65.44         1956         SI         Gas           Antipayutaskoye Severnoye         UR         64.06         65.44         1986         SI         Oil           Antipayutaskoye         IVR         63.78         76.44         1989         SI         Oil           Aprelskoye         FR         62.38         68.63         1982         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         VA         69.74         70.74         1968         DV         Oil           Asomkinskoye Vostochonoye         OB   |                               | Region | (degrees) | (degrees) | Date          | Status               | TTOULCE |
| Aganskoye         Vizhoye         OB         61.47         76.02         1965         PS         Oil           Aganskoye Zapadnoye         OB         61.30         75.88         1980         PS         Oil           Aganskoye Zapadnoye         OB         61.45         77.02         1981         PP         Oil           Akaytemskoye         UKN         1991         SI         Gas           Alekhinskoye         OB         62.16         71.88         1971         PS         Oil           Alekhinskoye Severnoye         UR         64.06         65.44         1956         SI         Gas           Antipayutaskoye Severnoye         UR         64.06         65.44         1986         SI         Oil           Antipayutaskoye         IVR         63.78         76.44         1989         SI         Oil           Aprelskoye         FR         62.38         68.63         1982         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         VA         69.74         70.74         1968         DV         Oil           Asomkinskoye Vostochonoye         OB   | Achimovskova (Achimov)        | OB     | 60.07     | 75 34     | 1081          | <b>SI</b>            | Oil     |
| Aganskoye Yuzhnoye         OB         61.30         75.88         1980         PS         Oii           Aganskoye Zapadnoye         OB         61.45         77.02         1981         PP         Oii           Akaytemskoye         UKN         1991         SI         Gas           Alekhinskoye         OB         62.16         71.88         1971         PS         Oii           Alekninskoye         OB         60.43         77.21         1964         SI         Oii           Alekninskoye         OB         60.43         77.21         1966         SI         Gas           Alyasovskove Severnoye         UR         64.06         65.44         1986         SI         Oii           Anipayutaskoye         GY         68.93         77.38         1978         SI         Gas           Anoralnoye         UKN         1992         SI         Oii         Archinskoye         Ka         57.49         78.50         1985         SI         Oii           Archinskoye         VA         61.34         78.52         1992         SI         Oii           Archinskoye         VA         69.74         70.74         1968         DV         Oii <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>                                 |                               |        |           |           |               |                      |         |
| Aganskoje Zapadnoye         OB         61.45         77.02         1981         PP         Oil           Akaytemskoye         UKN         1991         SI         Gas           Alekhinskoye         OB         62.16         71.88         1971         PS         Oil           Alekhinskoye         OB         60.43         77.21         1964         SI         Oil           Alyasovskoye Severnoye         UR         64.06         65.44         1956         SI         Gas           Alyasovskoye Yuzhnoye         UR         64.06         65.44         1986         SI         Gas           Anomalnoye         UKN         1992         SI         Oil         Antipsyutaskoye         R         63.78         76.44         1989         SI         Oil           Archinskoye         FR         62.38         68.63         1982         SI         Oil           Archinskoye         VA         69.74         70.74         1968         DV         Gas           Asomkinskoye Vostochnoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Zapadnoye         VB         60.91         73.38         1980         SI   |                               |        |           |           |               |                      |         |
| Akaytem skoye       UKN       1991       SI       Gas         Alekhinskoye       OB       62.16       71.88       1971       PS       Oil         Alenkinskoye       OB       60.43       77.21       1964       SI       Oil         Alyasovskoye Svernoye       UR       64.09       65.49       1956       SI       Gas         Alyasovskoye Yuzhnoye       UR       64.06       65.44       1956       SI       Gas         Antipayutaskoye       GY       68.93       77.38       1982       SI       Oil         Articheskoye       FR       62.38       68.63       1982       SI       Oil         Articheskoye       KA       57.49       78.50       1985       SI       Oil         Articheskoye       YA       69.74       70.74       1968       DV       Gas         Asomkinskoye Vostochnoye       OB       61.01       73.84       1981       PS       Oil         Asomkinskoye Yuzhnoye       OB       60.90       73.51       1988       SI       Oil         Asomkinskoye Yuzhnoye       OB       60.50       72.50       1984       PS       Oil         Aywasedopurskoye Sevenoye  |                               |        |           |           |               |                      |         |
| AlekÍniskové       OB       62.16       71.88       1971       PS       Oil         Alenkinskové       OB       60.43       77.21       1964       SI       Oil         Alyasovskové Severnoye       UR       64.09       65.49       1956       SI       Gas         Alyasovskové Yuzhnoye       UR       64.06       65.44       1956       SI       Gas         Anomalnoye       UKN       1956       SI       Gas       Anomalnoye       SI       Oil         Antipayutaskoye       GY       68.93       77.38       1978       SI       Gas         Aprefskoye       FR       62.38       68.63       1982       SI       Oil         Archinskoye       KA       57.49       78.50       1985       SI       Oil         Archinskoye       VA       61.30       75.83       1990       SI       Oil         Asomkinskoye Zoadonoye       OB       60.91       73.84       1988       SI       Oil         Asomkinskoye Zapadnoye       KA       59.31       72.76       1985       SI       Oil         Aykuruskoye       KA       59.30       73.72       1988       SI       Oil   |                               |        | 61.45     | 77.02     |               |                      |         |
| Alenkinskoje         OB         60.43         77.21         1964         SI         Oil           Alyasovskoye Severnoye         UR         64.09         65.49         1956         SI         Gas           Alyasovskoye Yuzhnoye         UR         64.06         65.44         1956         SI         Gas           Anipayutaskoye         GY         68.93         77.38         1982         SI         Oil           Aprel'skoye         FR         62.38         68.63         1982         SI         Oil           Archinskoye         KA         57.49         76.50         1985         SI         Oil           Arichinskoye         VA         61.34         78.52         1992         SI         Oil           Arichinskoye Vostochnoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Vuzhnoye         VA         69.31         72.76         1968         SI         Oil           Asomkinskoye Vuzhnoye         VA         59.30         73.71         1988         SI         Oil           Ayeasedopurskoye         KA         59.30         73.72         1986         SI         Oil           Ayeasedopuri   |                               |        | 00.40     | 74.00     |               |                      |         |
| Alyasovskoye Severnoye       UR       64.09       65.49       1956       SI       Gas         Alyasovskoye Yuzhnoye       UR       64.06       65.44       1956       SI       Gas         Anomalnoye       UKN       1992       SI       Oil         Antipayutaskoye       NP       63.78       76.44       1989       SI       Oil         Apakapurskoye       FR       62.38       68.63       1982       SI       Oil         Archinskoye       KA       57.49       78.76       1985       SI       Oil         Archinskoye       VA       61.34       78.52       1992       SI       Oil         Asomkinskoye Vostochnoye       OB       61.01       73.84       1981       PS       Oil         Asomkinskoye Zapadnoye       OB       60.91       73.51       1988       SI       Oil         Asomkinskoye Zapadnoye       KA       59.31       72.76       1988       SI       Oil         Aykuruskoye       KA       59.80       73.72       1988       SI       Oil         Aykuruskoye       NP       64.60       77.67       1990       SI       Oil         Aykuruskoye       NP  |                               |        |           |           |               |                      |         |
| Alyasovskoye Yuzhnoye         UR         64.06         65.44         1956         SI         Gas           Anomalnoye         UKN         1992         SI         Oil         Oil           Antipayutaskoye         GY         68.93         77.38         1978         SI         Gas           Apatayurskoye         NP         63.78         76.44         1989         SI         Oil           Aratisayutaskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Arichskoye         VA         61.34         75.83         1990         SI         Oil           Asomkinskoye Vostochnoye         OB         60.91         73.81         1988         DV         Oil           Asomkinskoye Yuzhnoye         OB         60.91         73.81         1988         SI         Oil           Asomkinskoye Yuzhnoye         OB         60.91         73.81         1988         DV         Oil           Asomkinskoye Yuzhnoye         OB         60.90         73.72         1988         SI         Oil           Aykuruskoye         KA  |                               |        |           |           |               |                      |         |
| Anomalnoye         UKN         1992         SI         Oil           Antipayutaskoye         GY         68.93         77.38         1978         SI         Gas           Apakapurskoye         NP         63.78         76.44         1989         SI         Oil           Aprelskoye         FR         62.38         68.63         1982         SI         Oil           Archiskoye         VA         61.34         78.52         1992         SI         Oil           Arkticheskoye         VA         61.34         78.52         1992         SI         Oil           Asomkinskoye         Vasomkinskoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Zapadnoye         OB         60.91         73.51         1988         SI         Oil           Asomkinskoye Zapadnoye         KA         59.31         72.76         1968         SI         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aykuruskoye         NP         64.23         71.14         1971         PP         Oil           Aykuruskoye         Severnoye         PT <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>                                |                               |        |           |           |               |                      |         |
| Antipayutakoye         GY         68.93         77.38         1978         SI         Gas           Apakapurskoye         NP         63.78         76.44         1989         SI         Oil           Aprel'skoye         FR         62.38         66.63         1982         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         YA         69.74         70.74         1968         DV         Gas           Asomkinskoye Vostochnoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Vuzhnoye         OB         60.91         73.88         1988         DV         Oil           Asomkinskoye Vuzhnoye         KA         59.31         72.76         1968         SI         Oil           Ayeanskoye         NP         61.86         77.42         1985         PS         Oil           Ayearosokoye Severnoye         (Iapmin Lobat-Yuganskoye         NP         64.60         77.67         1990         SI         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil  |                               |        | 64.06     | 65.44     |               |                      |         |
| Apakapurskoye         NP         63.78         76.44         1989         SI         Oil           Apreliskoye         FR         62.38         66.63         1982         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         VA         61.34         78.52         1992         SI         Oil           Arklicheskoye         VA         69.74         70.74         1968         DV         Gas           Asomkinskoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Vuzhnoye         OB         60.90         73.51         1988         SI         Oil           Asomkinskoye Zapadnoye         OB         60.90         73.72         1988         SI         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Ayeganskoye         NP         64.60         77.67         1990         SI         Oil           Ayeaskoye         Severnoye         T         62.47         75.50         Oil         Batyaskosye         Oil           Bathiloxskoye   |                               |        | ~~ ~~     |           |               |                      |         |
| Aprel'skoye         FR         62.38         68.63         1982         SI         Oil           Archinskoye         KA         57.49         78.50         1985         SI         Oil           Archinskoye         VA         61.34         78.52         1992         SI         Oil           Arkticheskoye         VA         69.74         70.74         1968         DV         Gas           Asomkinskoye         Obstochnoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Vostochnoye         OB         60.91         73.51         1988         SI         Oil           Asomkinskoye Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Ay-Yaunskoye         KA         59.80         73.72         1988         SI         Oil           Ayeanskoye         NP         61.86         77.42         1985         PS         Oil           Ayeanskoye         KA         59.80         73.72         1988         SI         Oil           Ayeanskoye         PY         64.60         77.67         1990         SI         Oil           Barsukovskoye Zapadnoy  |                               |        |           |           |               |                      |         |
| Archinsköye         KA         57.49         78.50         1885         SI         Oil           Ariolskoye         VA         61.34         78.52         1992         SI         Oil           Ariolskoye         VA         61.34         78.52         1992         SI         Oil           Asomkinskoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Yuzhnoye         OB         60.91         73.81         1988         DV         Oil           Asomkinskoye Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Asomkinskoye Yuzhnoye         NP         61.86         77.42         1985         PS         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Ayeganskoye         PP         64.60         77.67         1990         SI         Oil           Ayasackoye Severnoye         PT         62.47         79.65         1983         PS         Oil           Batkilovskoye Zapadnoye         NP         64.42         75.50         Oil         Gas           Barsukovskoye Zapadnoye         PA <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>                      |                               |        |           |           |               |                      |         |
| Ariolskoye       VA       61.34       78.52       1992       SI       Oil         Arkticheskoye       YA       69.74       70.74       1988       DV       Gas         Asomkinskoye       OB       61.01       73.84       1981       PS       Oil         Asomkinskoye Vostochnoye       OB       60.91       73.88       1988       DV       Oil         Asomkinskoye Zapadnoye       OB       60.90       73.51       1988       SI       Oil         Asomkinskoye Zapadnoye       OB       60.90       73.51       1988       SI       Oil         Ayeraunskoye       KA       59.31       72.76       1968       SI       Oil         Aykuruskoye       KA       59.80       71.42       1985       PS       Oil         Aykuruskoye       KA       59.80       77.67       1990       SI       Oil         Ayasedopurskoye       PT       62.47       79.65       1983       PS       Oil         Batykkoye       VA       69.72       75.50       Oil       Batykoskoye       PP       Gas         Barsukovskoye Zapadnoye       PA       63.84       65.04       1962       SI       Gas  |                               |        |           |           |               |                      |         |
| Arkticheskoye       YA       69.74       70.74       1968       DV       Gas         Asomkinskoye       OB       61.01       73.84       1991       PS       Oil         Asomkinskoye Voztochnoye       OB       61.01       73.83       1990       SI       Oil         Asomkinskoye Yuzhnoye       OB       60.91       73.83       1988       DV       Oil         Asomkinskoye Zapadnoye       OB       60.90       73.51       1988       SI       Oil         Ayeganskoye       KA       59.31       72.76       1988       SI       Oil         Ayeganskoye       KA       59.80       73.72       1988       SI       Oil         Ayeganskoye       KA       59.80       73.72       1988       SI       Oil         Ayeganskoye       NP       64.60       77.67       1990       SI       Oil         Ayasedopurskoye Sevenoye       PT       62.47       79.65       1983       PS       Oil         Bakhilovskoye       NP       64.42       75.50       PF       Gas       Gas         Baryukovskoye Zapadnoye       NP       65.87       78.97       1982       SI       Gas  |                               |        |           |           |               |                      |         |
| Asomkinskoye         OB         61.01         73.84         1981         PS         Oil           Asomkinskoye Vostochnoye         OB         61.30         75.83         1990         SI         Oil           Asomkinskoye Vzahnoye         OB         60.90         73.51         1988         DV         Oil           Asomkinskoye Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Ayeganskoye         KA         59.31         72.76         1968         SI         Oil           Ayeganskoye         KA         59.80         73.72         1988         SI         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Ayparadopurskoye Sevenove         (Ai Pim)         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Seve.)         NP         64.60         77.67         1990         SI         Oil           Batkhilovskoye         PT         62.47         79.65         1983         PS         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         Oil         Gas   |                               |        |           |           |               |                      |         |
| Asomkinskoje Vostochnoye         OB         61.30         75.83         1990         SI         Oil           Asomkinskoje Zapadnoye         OB         60.91         73.88         1988         DV         Oil           Asomkinskoje Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Ay-raunskoye         KA         59.31         72.76         1968         SI         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Ayeganskoye         KA         59.30         73.72         1988         SI         Oil           Aykuruskoye         KA         59.30         73.72         1988         SI         Oil           Aysaedopurskoye Severnoye         Italita         1971         PP         Oil         Oil           Aysaedopurskoye Sev.)         NP         64.23         71.14         1971         PP         Oil           Bathilovskoye         Yatnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         Oil         Gas         Beloyarskoye         SI  |                               |        |           |           |               |                      |         |
| Asomkinskoje Yuzhnoye         OB         60.91         73.88         1988         DV         Oil           Asomkinskoje Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Ay-Yaunskoye         KA         59.31         72.76         1968         SI         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Ayeganskoye         KA         59.80         73.72         1988         SI         Oil           Ayeganskoye         KA         59.80         73.72         1988         SI         Oil           Aypasedopurskoye         KA         59.80         73.72         1988         SI         Oil           Aypasedopurskoye Sev.ny         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1984         PS         Oil           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil         Base         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Beregovoye   | Asomkinskoye                  | OB     | 61.01     | 73.84     | 1981          | PS                   | Oil     |
| Asomkinskoje Zapadnoye         OB         60.90         73.51         1988         SI         Oil           Ay-Yaunskoye         KA         59.31         72.76         1968         SI         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aywasedopurskoye         KA         59.80         77.47         1990         SI         Oil           Ayvasedopurskoye Severnoye          Trasovskoye Severnoye         PT         62.47         79.65         1983         PS         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye         NP         64.42         75.50         Oil         Gas           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregov   | Asomkinskoye Vostochnoye      | OB     | 61.30     | 75.83     | 1990          | SI                   | Oil     |
| Ay-Yaunskoye         KA         59.31         72.76         1968         SI         Oil           Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aypim Lobat-Yuganskoye         KA         59.80         73.72         1988         SI         Oil           Aypim Lobat-Yuganskoye         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Severnoye         (Tarasovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         PP         Gas           Barsukovskoye Zapadnoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Berezovskoye (W. Siberia)         PT         65.87         78.97         1982         SI         Oil  | Asomkinskoye Yuzhnoye         | OB     | 60.91     | 73.88     | 1988          | DV                   | Oil     |
| Ayeganskoye         NP         61.86         77.42         1985         PS         Oil           Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aypim Lobat-Yuganskoye         KA         59.80         73.72         1988         SI         Oil           Ayvasedopurskoye Severnoye         (Ai Pim)         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Severnoye         (Tarasovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhskove Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         Oil         Barsukovskoye         Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzen   | Asomkinskoye Zapadnoye        | OB     | 60.90     | 73.51     | 1988          | SI                   | Oil     |
| Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aypin Lobat-Yuganskoye         (Ai Pim)         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Severnoye         (Tarasovskoye Severnoye         PT         62.47         79.65         1983         PS         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Barsukovskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         PP         Gas           Beloyarskoye         YA         69.72         67.94         1987         SI         Gas           Beregovoge (W. Siberia)         PT         68.87         78.97         1982         SI         Gas           Beregovoge (W. Siberia)         PT         68.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV   | Ay-Yaunskoye                  | KA     | 59.31     | 72.76     | 1968          | SI                   | Oil     |
| Aykuruskoye         KA         59.80         73.72         1988         SI         Oil           Aypin Lobat-Yuganskoye         (Ai Pim)         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Severnoye         (Tarasovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Barsukovskoye         NP         64.62         75.50         PP         Gas         Oil           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Beregovokoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV  |                               | NP     | 61.86     | 77.42     | 1985          | PS                   | Oil     |
| Aypim Lobat-Yuganskoye         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Sevenoye         (Tarasovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye Yuzhnny         OB         64.25         75.50         Oil         Bayaratskoye         YA         69.72         67.94         1987         SI         Gas           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gai           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye         YA         <   |                               | KA     | 59.80     | 73.72     | 1988          | SI                   | Oil     |
| (Ai Pim)         OB         62.23         71.14         1971         PP         Oil           Ayvasedopurskoye Sevenoye         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Barsukovskoye         NP         64.42         75.50         PP         Gas         Oil           Barsukovskoye Zapadnoye         NP         64.42         75.50         Oil         Baydaratskoye         ZA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Beregovoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.40  |                               |        |           |           |               |                      |         |
| Ayvasedopurskoye Severnoye         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye         NP         64.42         75.50         PP         Gas           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bolvshekotukhtinskoye(Kotukhta)         OB         1972         SI         Oil         Oil           Bovanenko         YA         70.40         68.50         197   |                               | OB     | 62.23     | 71.14     | 1971          | PP                   | Oil     |
| (Tarasovskoye Sev.)         NP         64.60         77.67         1990         SI         Oil           Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye         NP         64.42         75.50         PP         Gas           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gai           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Boloshekotukhtinskoye(Kotukhta)         OB         (A1.73   |                               |        |           |           |               |                      |         |
| Bakhilovskoye         PT         62.47         79.65         1983         PS         Oil           Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye         NP         64.42         75.50         PP         Gas           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Vostochnoye         YA         70.73         69.22 <td></td> <td>NP</td> <td>64.60</td> <td>77.67</td> <td>1990</td> <td>SI</td> <td>Oil</td> |                               | NP     | 64.60     | 77.67     | 1990          | SI                   | Oil     |
| Balykskoye Yuzhnny         OB         60.50         72.50         1964         PS         Oil           Barsukovskoye         NP         64.42         75.50         PP         Gas           Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Vostochnoye         YA         70.73  |                               |        |           |           |               |                      |         |
| BarsukovskoyeNP64.4275.50PPGasBarsukovskoye ZapadnoyeNP64.2575.50OilBaydaratskoyeYA69.7267.941987SIGasBeloyarskoyePA58.6880.061962SIGasBeregovoye (W. Siberia)PT65.8778.971982SIGasBerezovskoye (Tyumen)UR63.9465.041953PPGasBittemskoyeOB61.9271.231989SIOilBol'shoyeFR62.9067.271984SIOilBol'shoye Kruzenshternskoye(Kruzenshternskoye)YA70.0069.001976DVGasBoloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeVB66.0164.16SIOilOilChakhloneyskoyePT63.4480.991989SIOilChakhloneyskoyeVA60.6164.16SIOilOilChakhloneyskoyeVA60.6278.831966DVOilChakhloneyskoyePT63.4480.991989SI <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |                               |        |           |           |               |                      |         |
| Barsukovskoye Zapadnoye         NP         64.25         75.50         Oil           Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye         Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Boloshekotukhtinskoye(Kotukhta)         OB         1972         SI         Oil         Oil           Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Vostochnoye         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY  |                               |        |           |           |               |                      |         |
| Baydaratskoye         YA         69.72         67.94         1987         SI         Gas           Beloyarskoye         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Boloshekotukhtinskoye(Kotukhta)         OB         1972         SI         Oil           Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Severnyy         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB  |                               |        |           |           |               |                      |         |
| Beloyarskove         PA         58.68         80.06         1962         SI         Gas           Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Boloshekotukhtinskoye(Kotukhta)         OB         1972         SI         Oil           Bovanenko Severnyy         YA         70.40         68.50         1971         PP         Gas           Bovanenko Vostochnoye         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chaselskoye Severnoye   |                               |        |           |           | 1987          | SI                   |         |
| Beregovoye (W. Siberia)         PT         65.87         78.97         1982         SI         Gas           Berezovskoye (Tyumen)         UR         63.94         65.04         1953         PP         Gas           Bittemskoye         OB         61.92         71.23         1989         SI         Oil           Bol'shoye         FR         62.90         67.27         1984         SI         Oil           Bol'shoye Kruzenshternskoye         YA         70.00         69.00         1976         DV         Gas           Boloshekotukhtinskoye(Kotukhta)         OB         1972         SI         Oil           Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Severnyy         YA         70.83         68.12         1988         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chaselskoye Severnoye         <  |                               |        |           |           |               |                      |         |
| Berezovskoye (Tyumen)UR63.9465.041953PPGasBittemskoyeOB61.9271.231989SIOilBol'shoyeFR62.9067.271984SIOilBol'shoye KruzenshternskoyeYA70.0069.001976DVGasBoloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChanchar SevernoyeUR60.6164.16SIOilChaselskoye SevernoyePT63.4480.991989SIOilChaselskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil  |                               |        |           |           |               |                      |         |
| BittemskoyeOB61.9271.231989SIOilBol'shoyeFR62.9067.271984SIOilBol'shoye KruzenshternskoyeYA70.0069.001976DVGasBoloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeOB60.5275.801988DVOilChaselskoye SevernoyePT66.0479.331987SIGasChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil   |                               |        |           |           |               |                      |         |
| Bol'shoyeFR62.9067.271984SIOilBol'shoye KruzenshternskoyeYA70.0069.001976DVGas(Kruzenshternskoye)YA70.4068.501971PPGasBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeOB60.5275.801988DVOilChaselskoye SevernoyePT66.0479.331987SIGasChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil   |                               |        |           |           |               |                      |         |
| Bol'shoye Kruzenshternskoye<br>(Kruzenshternskoye)YA70.0069.001976DVGasBoloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeOB60.5275.801988DVOilChaselskoye SevernoyePT66.0479.331987SIGasChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil  |                               |        |           |           |               |                      |         |
| (Kruzenshternskoye)YA70.0069.001976DVGasBoloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeOB60.5275.801988DVOilChaselskoye SevernoyePT66.0479.331987SIGasChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil   |                               | 110    | 02.00     | 01.21     | 1004          | 01                   |         |
| Boloshekotukhtinskoye(Kotukhta)OB1972SIOilBovanenkoYA70.4068.501971PPGasBovanenko SevernyyYA70.8368.121988SIGasBovanenko VostochnoyeYA70.7369.221983SIGasBugornaya-VostochnayaGY69.6074.601990SIGasBystrinskoye (Bystrin)OB61.4672.241964PSOilChakhloneyskoyeOB60.5275.801988DVOilChaselskoye SevernoyeUR60.6164.16SIOilChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil   |                               | V٨     | 70.00     | 60.00     | 1076          | עם                   | Gas     |
| Bovanenko         YA         70.40         68.50         1971         PP         Gas           Bovanenko Severnyy         YA         70.83         68.12         1988         SI         Gas           Bovanenko Vostochnoye         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Oil           Chaselskoye Severnoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil   |                               |        | 70.00     | 03.00     |               |                      |         |
| Bovanenko Severnyy         YA         70.83         68.12         1988         SI         Gas           Bovanenko Vostochnoye         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Gas           Chatylkynskoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil   | <b>•</b> •                    | ,      | 70.40     | 68 50     |               |                      |         |
| Bovanenko Vostochnoye         YA         70.73         69.22         1983         SI         Gas           Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Gas           Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil  |                               |        |           |           |               |                      |         |
| Bugornaya-Vostochnaya         GY         69.60         74.60         1990         SI         Gas           Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Oil           Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil   |                               |        |           |           |               |                      |         |
| Bystrinskoye (Bystrin)         OB         61.46         72.24         1964         PS         Oil           Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Oil           Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil  |                               |        |           |           |               |                      |         |
| Chakhloneyskoye         OB         60.52         75.80         1988         DV         Oil           Chanchar Severnoye         UR         60.61         64.16         SI         Oil           Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil  |                               |        |           |           |               |                      |         |
| Chanchar Ševernoye         UR         60.61         64.16         SI         Oil           Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil   |                               |        |           |           |               |                      |         |
| Chaselskoye Severnoye         PT         66.04         79.33         1987         SI         Gas           Chatylkynskoye         PT         63.44         80.99         1989         SI         Oil           Chebachyeskoye         VA         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         VA         58.90         76.85         1970         SI         Oil  |                               |        |           |           | 1988          |                      |         |
| ChatylkynskoyePT63.4480.991989SIOilChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil   |                               |        |           |           | 4007          |                      |         |
| ChebachyeskoyeVA60.6278.831966DVOilCheremshanskoye YuzhnoyeVA58.9076.851970SIOil  |                               |        |           |           |               |                      |         |
| Cheremshanskoye Yuzhnoye VA 58.90 76.85 1970 SI Oil   |                               |        |           |           |               |                      |         |
|   |                               |        |           |           |               |                      |         |
| Chernichnoye PI 65.54 81.97 1985 SI Oil   |                               |        |           |           |               |                      |         |
|   | Chernichnoye                  | Ы      | 65.54     | 81.97     | 1985          | SI                   | OI      |

| (Continued)                               |          |                                |                               |                   |                     |                    |
|---|----------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                                | Region   | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Chernogorskoye                            | OB       | 61.50                          | 76.67                         | 1972              | PP                  | Oil                |
| Chistinnoye                               | OB       | 59.82                          | 75.99                         | 1972              | SI                  | Oil                |
| Chkalovskoye                              | VA<br>VA | 59.62<br>59.69                 | 75.99<br>78.74                | 1965              | PS                  | Oil                |
| Chuelskoye                                | UR       | 59.69<br>63.86                 | 65.93                         | 1977              | SI                  | Gas                |
|   | OB       | 61.87                          | 76.53                         | 1958              | SI                  | Oll                |
| Chukhlorskoye                             | OB<br>OB | 61.25                          | 76.53                         | 1969              | PS                  | Oil                |
| Chumpaskoye<br>Chupal'skoye               | OB<br>OB | 60.15                          | 72.45                         | 1979              | PS<br>DV            | Oil                |
| Chupal'skoye Severnyy                     | OB<br>OB | 60.15<br>60.29                 | 72.45                         | 1971              | SI                  | Oil                |
|   | КA       |                                | 72.00                         | 1977              | SI                  | Oil                |
| Chvorovoye (Vasyuganskiy)                 | UR       | 58.58<br>60.93                 | 76.95<br>64.11                | 1980              | PS                  | Oil                |
| Danilovskoye                              |          |                                |                               |                   |                     | Oil                |
| Danilovskoye Severnoye                    | UR       | 61.07                          | 63.95                         | 1983              | PS<br>PP            |                    |
| Danilovskoye Vostochnoye                  | UR       | 61.00                          | 64.00                         | 1983              |                     | Oil                |
| Danilovskoye Zapadnoye                    | UR       | 61.00                          | 64.00                         | 1966              | PP                  | Oil                |
| Dekabr'skoye                              | FR       | 62.02                          | 70.25                         | 1969              | SI                  | Oil                |
| Deminskoye                                | UR       | 64.00                          | 65.00                         | 1955              | SI                  | Gas                |
| Demyanskoye Severnoye                     | KA       | 59.53                          | 70.81                         | 1988              | SI                  | Oil                |
| Dobrovol'skoye                            | NP       | 65.37                          | 77.45                         | 1990              | SI                  | Oil                |
| Druzhnoye                                 | OB       | 62.45                          | 74.62                         | 1982              | PS                  | Oil                |
| Duklinskoye                               | KA       | 59.33                          | 75.80                         | 1990              | PP                  | Oil                |
| Dunayevskoye                              | OB       | 61.62                          | 73.20                         | 1986              | PS                  | Oil                |
| Dvoynoye                                  | PA       | 58.83                          | 79.45                         | 1986              | SI                  | Oil                |
| Em-Yakhtinskoye                           | GY       | 68.83                          | 76.45                         | 1976              | SI                  | GC                 |
| Enitorskoye                               | VA       | 61.52                          | 78.93                         | 1982              | SI                  | Oil                |
| Enitorskoye Yuzhnoye                      | VA       | 61.40                          | 78.97                         | 1988              | SI                  | Oil                |
| Erginskoye                                | FR       | 60.70                          | 69.29                         | 1983              | SI                  | Oil                |
| Erginskoye Vostochnoye                    | FR       | 60.69                          | 69.82                         | 1988              | SI                  | Oil                |
| Fainskoye                                 | OB       | 61.10                          | 73.75                         | 1989              | PP                  | Oil                |
| Fedorovskoye                              | OB       | 61.39                          | 73.12                         | 1971              | PS                  | Oil                |
| Fedyushkinskoye                           | KA       | 57.77                          | 76.31                         | 1985              | PP                  | Oil                |
| Fedyushkinskoye Severnoye<br>Festivalnoye | KA       | 57.88                          | 76.35                         | 1987              | SI                  | Oil                |
| (Tomsk)(Aykagol'skoye)                    | VA       | 58.28                          | 77.28                         | 1971              | SI                  | Oil                |
| Festivalnoye (Tyumen)(Kamy)               |          | 63.73                          | 79.48                         | 1985              | DV                  | Oil                |
| Festivalnoye Yuzhno                       | VA       | 58.20                          | 77.28                         | 1969              | SI                  | Oil                |
| Filippovskoye                             | UR       | 60.91                          | 64.83                         | 1967              | PS                  | Oil                |
| Fobosskoye                                | OB       | 60.87                          | 77.62                         | 1988              | DV                  | Oil                |
| Frolovskoye Vostochnoye                   | FR       | 60.90                          | 69.81                         | 1987              | SI                  | Oil                |
| Galyanovskoye                             | FR       | 61.50                          | 68.29                         | 1982              | SI                  | Oil                |
| Gaz-Saleskoye                             | PT       | 67.40                          | 80.43                         | 1989              | SI                  | Gas                |
| Geofizicheskoye                           | GY       | 69.86                          | 73.69                         | 1975              | SI                  | Gas                |
| Gerasimovskoye                            | KA       | 57.65                          | 78.92                         | 1983              | PP                  | Oil                |
| Glukhovskoye                              | KA       | 58.03                          | 76.78                         | 1983              | SI                  | Oil                |
| Golevoye                                  | OB       | 61.71                          | 76.25                         | 1988              | SI                  | Oil                |
| Gornoye (Tyumen)                          | UR       | 62.40                          | 63.50                         | 1962              | DV                  | Gas                |
| Gorshkovskoye Zapadnoye                   | FR       | 61.62                          | 70.19                         | 1988              | SI                  | Oil                |
| Gorstovoye                                | VA       | 60.54                          | 78.36                         | 1987              | SI                  | Oil                |
| Gribnoye                                  | OB       | 62.56                          | 74.86                         | 1982              | DV                  | Oil                |
| Grushevoye                                | VA       | 59.38                          | 77.13                         | 1987              | SI                  | Oil                |
| Gubkinskoye Severnyy<br>Gubkinskoye       | NP       | 65.00                          | 76.70                         | 1980              | SI                  | Oil                |
| (Gubkin Sev., Prisklonoye)                | NP       | 65.00                          | 76.70                         | 1965              | PP                  | Gas                |

| (Continued)                |        | North     | East      |           |           |         |
|----------------------------|--------|-----------|-----------|-----------|-----------|---------|
|                            |        | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                 | Region | (degrees) | (degrees) | Date      | Status    | Product |
| Gun-Yeganskoye             | OB     | 61.62     | 77.44     | 1973      | PS        | Oil     |
| Gustorechenskoye           | KA     | 58.07     | 73.55     | 1992      | SI        | Oil     |
| Gydanskoye                 | GY     | 70.44     | 76.30     | 1978      | SI        | Gas     |
| Igol'sko-Talovoye          | KA     | 57.64     | 76.24     | 1977      | PS        | Oil     |
| Igrimskoye Severnoye       | UR     | 63.13     | 64.44     | 1959      | ABND      | Gas     |
| Igrimskove Yuzhnove        | UR     | 63.09     | 64.34     | 1961      | PP        | Gas     |
| lkilorskoye                | OB     | 62.11     | 73.93     | 1981      | SI        | Oil     |
| Imlorskove                 | OB     | 63.00     | 73.87     |           | SI        | Oil     |
| Imlorskove Zpapadnny       | OB     | 62.97     | 73.50     |           | SI        | Oil     |
| Ingaskoye (Inginsk)        |        |           |           |           |           |         |
| (Krasnoleninskoye)         | FR     | 61.57     | 66.57     | 1975      | SI        | Oil     |
| Ininskove                  | VA     | 61.05     | 78.83     | 1990      | SI        | Oil     |
| lokhturskoye Severnoye     | PT     | 63.72     | 79.14     | 1987      | SI        | Oil     |
| Istochnoye                 | OB     | 63.17     | 73.83     |           | SI        | Oil     |
| lt'yakhskoye               | FR     | 62.30     | 68.97     | 1992      | SI        | Oil     |
| Izvestinskoye              | NP     | 64.52     | 76.21     | 1990      | PP        | Oil     |
| Kalchinskoye               | KA     | 59.20     | 69.99     | 1990      | PP        | Oil     |
| Kalchinskoye Severnoye     | KA     | 59.30     | 70.00     | 1991      | SI        | Oil     |
| Kalinovoye                 | KA     | 57.42     | 79.10     | 1973      | SI        | Gas     |
| Kalinovoye Severnoye       | KA     | 57.51     | 79.01     | 1980      | SI        | Oil     |
| Kalinovoye Vostochnoye     | KA     | 57.44     | 79.21     | 1973      | SI        | Oil     |
| Kamennomysskoye            | YA     | 68.41     | 73.34     | 1981      | DV        | Gas     |
| Kamennoye(Krasnoleninskoye |        | 61.65     | 67.32     | 1962      | PS        | Oil     |
| Kamynskoye                 | OB     | 62.17     | 71.62     | 1982      | PS        | Oil     |
| Kamynskoye Severnoye       | OB     | 62.29     | 70.79     | 1989      | SI        | Oil     |
| Kamynskoye Yuzhnoye        | OB     | 61.80     | 70.50     | 1989      | SI        | Oil     |
| Karabashskoye(Leninskoye)  | UR     | 58.64     | 65.92     | 1964      | SI        | Gas     |
| Karamovskoye               | OB     | 63.25     | 74.44     | 1975      | PS        | Oil     |
| Karamovskoye Severnoye     | OB     | 63.31     | 74.58     | 1975      | PP        | Oil     |
| Karasevskove (Tomsk)       | KA     | 58.43     | 76.04     | 1985      | SI        | Oil     |
| Karasevskove (Tyumen)      | NP     | 64.73     | 73.86     | 1989      | SI        | Oil     |
| Karasevskoye Severnoye     | KA     | 58.48     | 76.06     | 1988      | SI        | Oil     |
| Karasevskove Zapadnove     | KA     |           |           |           | SI        | Oil     |
| Karayskoye                 | KA     | 57.70     | 75.96     | 1980      | DV        | Oil     |
| Karayskoye Zapadnoye       | KA     | 57.75     | 75.62     | 1983      | SI        | Oil     |
| Karempostskove             | FR     | 62.18     | 66.18     | 1986      | SI        | Oil     |
| Kartop'ya                  | UR     | 61.10     | 65.31     | 1967      | SI        | Oil     |
| Kartopya Zapadnoye         | UR     | 60.13     | 65.28     | 1967      | SI        | Oil     |
| Kartopya-Okhanskoye        | UR     | 61.05     | 65.55     | 1967      | PS        | Oil     |
| Karyaunskoye               | OB     | 62.03     | 72.27     | 1980      | SI        | Oil     |
| Katyl'ginskoye             | KA     | 59.14     | 76.29     | 1965      | PS        | Oil     |
| Katyl'ginskoye Zapadnoye   | KA     | 59.07     | 76.07     | 1972      | PS        | Oil     |
| Kayumovskoye               | UR     | 60.78     | 65.39     | 1971      | SI        | Oil     |
| Kazanskoye                 | KA     | 57.21     | 79.34     | 1967      | SI        | Gas     |
| Kazantsevskoye(UstYenisey) | GY     | 69.70     | 83.30     | 1969      | SI        | Gas     |
| Kazymskoye Severnoye       | FR     | 63.98     | 67.41     | 1965      | SI        | Gas     |
| Kechimovskoye              | OB     | 61.80     | 74.50     |           | SI        | Oil     |
| Kechimovskoye Yuzhnoye     | OB     | 61.17     | 74.37     |           | SI        | Oil     |
| Ketovskoye                 | OB     | 60.85     | 75.13     | 1980      | PS        | Oil     |
| Khadyryakhaskoye           | PT     | 65.30     | 79.53     | 1989      | SI        | Gas     |
| Khadyryakhaskoye Yuzhnoye  | PT     | 65.03     | 79.98     | 1990      | SI        | Oil     |
|                            | •••    | 00.00     |           |           |           |         |

| Latitude<br>Field Name         Latitude<br>(degrees)         Discovery<br>Date         Producing<br>Status         Pri<br>Pro           Khalmerpayutaskoye         PT         67.75         81.15         1989         SI  | (Continued)               |        | North    | East     |      |    |                    |
|--|---------------------------|--------|----------|----------|------|----|--------------------|
| Khambateýskoye       GY       68.77       72.90       1987       SI         Khancheyskoye (or Khangy)       PT       64.82       79.41       1990       SI         (Tsentralnoye)       FR       61.04       69.21       1986       SI         (Kharam-Pur Yuzhnoye       PT       63.85       79.87       1981       SI         Kharampur Zapadnoye       PT       64.22       79.65       1978       PS         Kharasaveyskoye       YA       71.15       67.12       1974       PP         Kharasaveyskoye       YA       71.15       67.12       1974       PP         Kharsaveyskoye       NP       67.29       74.18       1976       PP         Khary Yakhinskoye       PT       66.27       77.67       SI       1         Khokhryakovskoye       VA       62.04       79.52       1973       PS       1         Khokhryakovskoye Severnoye       VA       62.29       71.52       1973       PS       1         Kholmistoye       VB       60.48       64.10       SI       1       1         Kholmistoye       VB       60.37       74.92       1990       SI       1         Kholmis   | Field Name                | Region | Latitude | Latitude |      |    | Primary<br>Product |
| Khambateýskoye       GY       68.77       72.90       1987       SI         Khancheyskoye (or Khangy)       PT       64.82       79.41       1990       SI         Khancheyskoye       (Tsentralnoye)       FR       61.04       69.21       1986       SI         Kharan-Pur Yuzhnoye       PT       63.85       79.87       1981       SI         Kharampur Zapadnoye       PT       64.22       79.65       1978       PS         Kharasaveyskoye       YA       71.15       67.12       1974       PP         Kharasaveyskoye       VA       71.15       67.12       1974       PP         Kharasaveyskoye       VA       61.53       79.39       1972       PS       Khokhnyakovskoye       VA       61.53       79.39       1972       PS       Khokhnyakovskoye       VA       62.04       74.35       1973       PS       Kholmistoye       VE       60.48       64.10       SI       VE       Kholmoskoye       VA       63.26       80.11       1988       SI       VE       Kholmoskoye       VB       VE   | Khalmernavutaskove        | PT     | 67 75    | 81 15    | 1080 | 51 | Gas                |
| Khancheyskoye         PT         64.82         79.41         1990         SI           Khanty-Mansiyskoye         (Tsentralnoye)         FR         61.04         69.21         1986         SI           Kharam-Pur Yuzhonye         PT         63.85         79.87         1981         SI           Kharam-Pur Yuzhonye         PT         64.17         78.92         1987         SI           Kharasaveyskoye         YA         71.15         67.12         1974         PP           Kharvutaskoye         PT         66.27         77.67         SI         SI         Kharvutaskoye           (Kharvutinskoye)         NP         67.29         74.18         1976         PS         Khokhorskoye         SI         Kho  |                           |        |          |          |      |    | Gas                |
| Khanty-Mansýskove       FR       61.04       69.21       1986       SI         (Tsentralnoye)       FR       61.04       69.21       1986       SI         Kharam-Pur Yuzhnoye       PT       63.85       79.87       1981       SI         Kharampur (Kharampur Yuz.)       PT       64.22       79.65       1978       PS         Kharasveyskoye       YA       71.15       67.12       1974       PP         Kharasveyskoye       YA       71.15       67.12       1974       PP         Kharasveyskoye       VA       61.53       79.39       1972       PS       Kokhnyakovskoye       VA       61.53       79.39       1972       PS       Khokhnyakovskoye       VA       62.04       79.52       1976       PS       Khokhnyakovskoye       VA       62.04       74.35       1973       PS       Khokhnyakovskoye       VA       62.04       74.35       1973       PS       Kholroskoye       VB       60.48       64.10       SI       Kholroskoye       VB       60.48       64.10       SI       Khulturskoye       SI       Khulturskoye       VB       FR       63.65       65       1993       SI       Kikulturskoye       VA       65.1       65  |                           |        |          |          |      |    | Gas                |
| (Tsentralnove)       FR       61.04       69.21       1986       SI         KharamPur Yuzhnoye       PT       63.85       79.87       1981       SI         Kharampur Zapadnoye       PT       64.17       78.92       1987       SI         Kharampur Zapadnoye       PT       64.17       78.92       1987       SI         Kharautinskoye       PT       66.27       77.67       SI       SI         (Kharvutinskoye)       PT       66.27       77.67       SI       SI         Khokhlovskoye       VA       61.53       79.39       1972       PS       SI         Khokhnyakovskoye       VA       62.04       79.52       1976       PS       SI         Khokhnyakovskoye       PT       63.26       80.11       1988       SI       SI         Kholmistoye       OB       62.94       74.35       1973       PS       SI         Kholmistoye       OB       62.94       71.52       1993       SI       SI         Kholmistoye       OB       64.25       70.72       1986       SI       SI         Kholrorskoye       Vizhnoye       OB       60.12       77.24       1984       PP <td></td> <td></td> <td>04.02</td> <td>73.41</td> <td>1330</td> <td>01</td> <td>Cas</td>  |                           |        | 04.02    | 73.41    | 1330 | 01 | Cas                |
| Kharam-Pur Yuzhoye       PT       63.85       79.87       1981       SI         Kharampur (Kharampur Yuz.)       PT       64.27       79.65       1978       PS       PS         Kharampur Zapadnoye       PT       64.17       78.92       1987       SI       PP         Kharasaveyskoye       YA       71.15       67.12       1974       PP       P         Kharvutaskoye       VA       71.15       67.12       1974       PP       P         Kharvutaskoye       VA       61.53       79.39       1972       PS       PS       P         Khokhyakovskoye       VA       61.53       79.39       1972       PS       PS       P       Khokhyakovskoye       VA       62.04       74.35       1973       PS       PS       P       Khokhyakovskoye       VA       62.89       71.52       1993       SI       P       Kholmistoye       P       63.26       70.72       1986       SI       P       Kholmostoye       SI       Kholmostoye       SI       F       Kholmostoye       SI   |                           | FR     | 61.04    | 69.21    | 1086 | 51 | Oil                |
| Kharampur (Kharampur Yuz.)       PT       64.22       79.65       1978       PS         Kharampur Zapadnoye       PT       64.17       78.92       1987       SI         Kharasaveyskoye       YA       71.15       67.12       1974       PP         Kharvutinskoye       PT       66.27       77.67       SI       SI         Khokhlovskoye       OB       60.90       76.25       1987       SI         Khokhlovskoye       VA       61.53       79.39       1972       PS       SI         Khokhlovskokove Severnoye       VA       62.04       79.52       1976       PS       SI         Khokhnyakovskoye       OB       62.94       71.52       1993       SI       SI         Kholorskoye       OB       62.97       71.52       1993       SI       SI         Kholrorskoye       VB       64.25       70.72       1986       SI       SI         Khultrskoye       UR       60.48       64.10       SI       SI       SI         Kholroskoye Yuzhnoye       OB       60.27       77.24       1984       PP       SI         Khulymskoye Yuzhnoye       OB       60.12       77.24       1984 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Gas</td>   |                           |        |          |          |      |    | Gas                |
| Kharampur Zapadnoye         PT         64.17         78.92         1987         SI           Kharasaveyskoye         YA         71.15         67.12         1974         PP           Kharuskoye         YA         71.15         67.12         1974         PP           (Kharvutsinskoye)         NP         67.29         74.18         1976         PP           (Kharvutskoye)         OB         60.90         76.25         1987         SI           Khokhlovskoye         VA         61.53         79.39         1972         PS           Khokhnyakovskoye         VA         62.04         79.52         1976         PS           Kholmistoye         PT         63.26         80.11         1988         SI           Kholroskoye Verkhniy         OB         62.99         71.52         1993         SI           Khorlorskoye         VPR         60.48         64.10         SI         SI           Khultrskoye         UR         60.48         64.10         SI         SI           Khultrskoye         VDR         60.12         77.24         1984         PP         SI           Kinyaminskoye Yuzhnoye         OB         62.61         73.40  |                           |        |          |          |      |    | Oil                |
| Kharasaveyskoye       YA       71.15       67.12       1974       PP         Kharvuttaskoye       Kharvuttaskoye       PT       66.27       77.67       SI         (Kharvuttinskoye)       NP       67.29       74.18       1976       PP         khokhylakovskoye       VA       61.53       79.39       1972       PS         Khokhylakovskoye       VA       62.04       79.52       1976       PS         Khokhylakovskoye       OB       62.94       74.35       1973       PS         Kholmistoye       OB       62.89       71.52       1993       SI         Kholriorskoye       UR       60.48       64.10       SI       SI         Khulturskoye       UR       60.48       64.10       SI       SI         Khultynskoye       VIL       60.48       64.10       SI       SI         Khultynskoye       VIL       60.48       64.10       SI       SI         Khultynskoye       VIL       60.65       1990       SI       SI         Khultynskoye       VIL       58.84       77.53       1968       PP       SI         Kisorskoye       FR       63.65       66.55       1  |                           |        |          |          |      |    | Oil                |
| Kharvutinskoye       NP       67.29       74.18       1976       PP         (Kharvutinskoye       PT       66.27       77.67       SI         Khokhlovskoye       OB       60.90       76.25       1987       SI         Khokhlovskoye       OB       60.90       76.25       1987       SI         Khokhryakovskoye       VA       61.53       79.39       1972       PS         Khokhryakovskoye       VA       62.04       79.52       1976       PS         Kholmistoye       PT       63.26       80.11       1988       SI         Kholroskoye Verkhniy       OB       62.99       71.52       1993       SI         Khorlorskoye       Verkhniy       OB       1994       SI       SI         Khulturskoye       UR       60.48       64.10       SI       SI         Khulturskoye       OB       60.12       77.24       1984       PP       SI         Kinyaminskoye       V2       PA       60.11       80.84       1970       SI       SI         Kinyaminskoye       PA       60.11       80.84       1970       SI       SI       SI         Kislorskoye       FR   |                           |        |          |          |      |    | Gas                |
| (Kharvutinskoye)         NP         67.29         74.18         1976         PP           khay-Yakhinskoye         OB         60.27         77.67         SI           Khokhovskoye         OB         60.90         76.25         1987         SI           Khokhovskoye         VA         61.53         79.39         1972         PS           Khokhnyakovskoye Severnoye         VA         62.04         79.52         1976         PS           Kholmistoye         PT         63.26         80.11         1988         SI           Kholmogoryskoye         OB         62.94         74.35         1973         PS           Kholmosove         OB         62.94         74.35         1973         PS           Kholrorskoye         VB         60.48         64.10         SI         Multurskoye           Khulturskoye         UR         60.48         64.10         SI         Multurskoye           Khulturskoye         OB         60.37         74.92         1990         SI           Kinyaminskoye         VZhovey         PR         63.65         66.55         1993         SI           Kinyaminskoye         VA         58.84         77.53         19  |                           | IA     | 71.15    | 07.12    | 1974 | FF | Gas                |
| khay-Yakhinskove       PT       66.27       77.67       SI         Khokhivakovskoye       OB       60.90       76.25       1987       SI         Khokhivakovskoye       VA       61.53       79.39       1972       PS         Khokhryakovskoye       VA       62.04       79.52       1976       PS         Khokhryakovskoye       OB       62.94       74.35       1973       PS       SI         Kholrorskoye       OB       62.89       71.52       1993       SI       SI       Kholrorskoye       VA       60.48       64.10       SI       SI       Khulymskoye       VIL       Khulymskoye       VIL       SI       SI       Khulymskoye       SI       Khulymskoye       SI       SI       Khulymskoye       SI       Khulymskoye       SI       Khulymskoye       SI       SI       Kikovynoye       SI       Kikovynoye       SI       Kikovynoye       SI       Kikovynoye       SI       SI <td></td> <td>ND</td> <td>67.20</td> <td>7/ 10</td> <td>1076</td> <td>DD</td> <td>Oil</td>   |                           | ND     | 67.20    | 7/ 10    | 1076 | DD | Oil                |
| Khokhlovskoye       OB       60.90       76.25       1987       SI         Khokhryakovskoye       VA       61.53       79.39       1972       PS         Khokhryakovskoye Severnoye       VA       62.04       79.52       1976       PS         Kholmistoye       PT       63.26       80.11       1988       SI       V         Kholmistoye       OB       62.94       74.35       1973       PS       V         Kholroskoye Verkhniy       OB       62.89       71.52       1993       SI       V         Khulturskoye       UR       60.48       64.10       SI       V       V       SI       V         Khulymskoye Yuzhnoye       OB       60.12       77.24       1984       PP       V       V       SI  |                           |        |          |          | 1970 |    | Oil                |
| Khokhryakovskoye       VA       61.53       79.39       1972       PS         Khokhryakovskoye Severnoye       VA       62.04       79.52       1976       PS         Kholmistoye       PT       63.26       80.11       1988       SI         Kholmogoryskoye       OB       62.94       74.35       1973       PS       1973         Khorlorskoye       OB       62.89       71.52       1993       SI       1973       PS       1974       PS       1975       1975       1975       1975       1975       1975       1975       1975       1975       1975       1975<   |                           |        |          |          | 1007 |    | Oil                |
| Khokhryakovskoye Severnoye       VA       62.04       79.52       1976       PS       1         Kholmistoye       PT       63.26       80.11       1988       SI       1         Kholmogoryskoye       OB       62.94       74.35       1973       PS       1         Khorlorskoye       OB       62.89       71.52       1993       SI       1         Khorlorskoye Verkhniy       OB       62.89       71.52       1993       SI       1         Khulturskoye       UR       60.48       64.10       SI       1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Oil</td>  |                           |        |          |          |      |    | Oil                |
| Kholmistoye       PT       63.26       80.11       1988       SI         Kholmogoryskoye       OB       62.94       74.35       1973       PS         Khorlorskoye       OB       62.89       71.52       1993       SI         Khorlorskoye Verkhniy       OB       62.89       71.52       1994       SI         Khulturskoye       UR       60.48       64.10       SI       SI         Khulturskoye       OB       64.25       70.72       1986       SI         Kinyaminskoye Yuzhnoye       OB       60.12       77.24       1984       PP       SI         Kinyaminskoye       OB       60.37       74.92       1990       SI       SI       SI         Kinyaminskoye       OB       63.65       66.55       1993       SI       SI <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Oil</td>  |                           |        |          |          |      |    | Oil                |
| Kholmogoryskoye       OB       62.94       74.35       1973       PS         Khorlorskoye       OB       62.89       71.52       1993       SI         Khorlorskoye Verkhniy       OB       1994       SI       1994       SI         Khulturskoye       UR       60.48       64.10       SI       1994       SI         Khulturskoye       OB       64.25       70.72       1986       SI       1990       SI         Kinyaminskoye Yuzhnoye       OB       60.12       77.24       1990       SI       1990       SI         Kinyaminskoye       OB       60.11       80.84       1970       SI       1990       SI         Kinyaminskoye       FR       63.65       66.55       1993       SI       1970       SI       1971       DV   |                           |        |          |          |      |    | Oil                |
| Khorlorškove       OB       62.89       71.52       1993       SI         Khorlorskoye Verkhniy       OB       1994       SI         Khulturskoye       UR       60.48       64.10       SI         Khultymskoye Yuzhnoye       OB       60.12       77.24       1984       PP         Kinyaminskoye Yuzhnoye       OB       60.37       74.92       1990       SI         Kinyaminskoye       OB       63.65       66.55       1993       SI       Kislorskoye         Kislorskoye       FR       63.65       66.55       1993       SI       Kislorskoye       SI         Kislorskoye       PA       60.11       80.84       1970       SI       SI       Kislorskoye       SI       Kislorsko  |                           |        |          |          |      |    |                    |
| Khorlorskove Verkhniy         OB         1994         SI           Khulturskoye         UR         60.48         64.10         SI           Khulymskoye Yuzhnoye         OB         64.25         70.72         1986         SI           Khvoynoye         OB         60.12         77.24         1984         PP         6           Kinyaminskoye         VDB         60.37         74.92         1990         SI         6           Kinyaminskoye         VDB         63.65         66.55         1993         SI         6           Kislorskoye         PA         60.11         80.84         1970         SI         6           Klyuchevskoye (Tomsk)         VA         58.84         77.53         1968         PP         6           Kochevskoye Severnoye         OB         62.68         73.43         PP         6           Kogolymskoye Severnoye         OB         62.74         73.86         1984         SI         6           Kogolymskoye Vuzhnoye         VA         61.34         79.16         1971         DV         6           Kolityeganskoye Vostochnoye         VA         58.68         77.50         1986         SI         6   |                           |        |          |          |      |    | Oil<br>Oil         |
| Khulturskoye       UR       60.48       64.10       SI         Khulturskoye Yuzhnoye       OB       64.25       70.72       1986       SI         Khvoynoye       OB       60.12       77.24       1984       PP         Kinyaminskoye Yuzhnoye       OB       60.37       74.92       1990       SI         Kinyaminskoye       OB       1990       SI       1990       SI         Kinyaminskoye       PR       63.65       66.55       1993       SI       1990       SI         Kiyevyeganskoye       PA       60.11       80.84       1970       SI       1970       SI         Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP       1980       1972       SI       1972       PS       1986       1972       PS       1987       1972       PS       1987       1972       SI       1987       1972       SI       1987       1987       1972       SI       1987       1972       SI       1987       1987       1972       SI       1987       SI       1987       1987       1987       1987       1987       1987       1987       1987       1987       1987       1988  |                           |        | 02.89    | 71.52    |      |    | Oil                |
| Khulymskoye Yuzhnoye       OB       64.25       70.72       1986       SI         Khvoynoye       OB       60.12       77.24       1984       PP         Kinyaminskoye Yuzhnoye       OB       60.37       74.92       1990       SI         Kinyaminskoye       OB       1990       SI       1990       SI         Kislorskoye       FR       63.65       66.55       1993       SI       1990       SI         Kislorskoye       PA       60.11       80.84       1970       SI       1990       SI         Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP       1990       SI         Kochevskoye (Tevlin-Konitor)       OB       62.68       73.40       1979       PS       1900       SI         Kogolymskoye       OB       62.74       73.86       1984       SI       1900       SI         Kogolymskoye Yuzhnoye       OB       62.74       73.86       1984       SI       1900       SI         Kogolymskoye Yuzhnoye       VA       61.34       79.16       1971       DV       1972       SI       1972       SI       1972       SI       1972       SI       1000 </td <td></td> <td></td> <td>60.49</td> <td>64.40</td> <td>1994</td> <td></td> <td></td>   |                           |        | 60.49    | 64.40    | 1994 |    |                    |
| Khvöynöye       OB       60.12       77.24       1984       PP         Kinyaminsköye Yuzhnöye       OB       60.37       74.92       1990       SI         Kinyaminsköye       OB       1990       Si       1990       Si         Kinyaminsköye       OB       1990       Si       1990       Si         Kislorsköye       FR       63.65       66.55       1993       SI       1990       Si         Kislorsköye       PA       60.11       80.84       1970       SI       1970       SI         Klyuchevsköye Severnöye       OB       62.68       73.43       PP       1979       PS       1970       SI         Kögölymsköye       OB       62.74       73.86       1984       SI       1987       SI       1986       SI       1986       SI       1987  |                           |        |          |          | 1096 |    | Oil                |
| Kinyaminskoye Yuzhnoye       OB       60.37       74.92       1990       SI         Kinyaminskoye       OB       1990       Si       1990       Si         Kislorskoye       FR       63.65       66.55       1993       SI       1990         Kiyevyeganskoye       PA       60.11       80.84       1970       SI       1990         Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP       1990         Kochevskoye (Tevlin-Konitlor)       OB       62.68       73.40       1979       PS       1990       1972       PS       1990       1972       PS       1000       1900       1000  |                           |        |          |          |      |    | Oil                |
| Kinyaminskoye         OB         1990         Si           Kislorskoye         FR         63.65         66.55         1993         SI           Kiyevyeganskoye         PA         60.11         80.84         1970         SI           Klyevyeganskoye         OB         62.68         73.43         PP         60.11           Kochevskoye (Tomsk)         VA         58.84         77.53         1968         PP           Kochevskoye (Towsk)         VA         58.84         77.53         1968         PP           Kochevskoye (Towsk)         VA         58.84         77.53         1972         PS           Kochevskoye (Tevlin-Konitlor)         OB         62.50         73.40         1979         PS           Kogolymskoye Severnoye         OB         62.74         73.86         1984         SI           Kogolymskoye Yuzhnoye         OB         62.37         73.95         1972         SI           Kolikyeganskoye Vostochnoye         VA         61.34         79.16         1971         DV           Kolikyeganskoye Vostochnoye         VA         58.68         77.50         1986         SI           Komsomol'skoye         (Barukovskoye)         NP         64.44 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Oil</td>                                 |                           |        |          |          |      |    | Oil                |
| Kislorskoye       FR       63.65       66.55       1993       SI         Kiyevyeganskoye       PA       60.11       80.84       1970       SI         Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP         Kochevskoye Severnoye       OB       62.68       73.43       PP       60.11         Kochevskoye Grevin-Konitlor)       OB       62.50       73.40       1979       PS         Kogolymskoye       OB       62.244       73.79       1972       PS       60.01         Kogolymskoye Severnoye       OB       62.74       73.86       1984       SI       60.01         Kogolymskoye Yuzhnoye       OB       62.37       73.95       1972       SI       60.01         Kolikyeganskoye Vostochnoye       VA       61.34       79.16       1971       DV       60.01         Kolotuchnoye       VA       58.68       77.50       1986       SI       60.01         Komsomol'skoye       OB       61.48       72.13       1971       PS       60.01         Komariinskoye Vostochnaya       VA       60.37       78.74       1982       SI       60.01         Kondikoskoye Vostochnaya       V  |                           |        | 60.37    | 74.92    |      |    | Oil                |
| Kiyevyeganskoye       PA       60.11       80.84       1970       SI         Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP         Kochevskoye Severnoye       OB       62.68       73.43       PP       P         Kochevskoye (Tevlin-Konitlor)       OB       62.50       73.40       1979       PS       PS         Kogolymskoye       OB       62.74       73.86       1984       SI       P         Kogolymskoye Severnoye       OB       62.74       73.86       1984       SI       P         Kogolymskoye Yuzhnoye       OB       62.37       73.95       1972       SI       P         Kolkyeganskoye Vuzhnoye       OB       62.37       73.95       1972       SI       P         Kolikyeganskoye Vostochnoye       VA       61.34       79.16       1971       DV       P         Kolikyeganskoye Vostochnoye       VA       58.68       77.50       1986       SI       P         Komariinskoye       OB       61.48       72.13       1971       PS       PS       P         Komsomol'skoye       NP       64.73       75.35       1969       PP       P       P       P  |                           |        | 62.65    |          |      |    | Oil                |
| Klyuchevskoye (Tomsk)       VA       58.84       77.53       1968       PP       VA         Kochevskoye Severnoye       OB       62.68       73.43       PP       VA         Kochevskoye (Tevlin-Konitlor)       OB       62.50       73.40       1979       PS       VA         Kogolymskoye       OB       62.74       73.86       1984       SI       VA         Kogolymskoye Severnoye       OB       62.37       73.95       1972       PS       VA         Kogolymskoye Yuzhnoye       OB       62.37       73.95       1972       SI       VA         Kolikyeganskoye Vuzhnoye       OB       62.37       73.95       1972       SI       VA         Kolikyeganskoye Vostochnoye       VA       61.34       79.16       1971       DV       VA         Kolatuchnoye       VA       58.68       77.50       1986       SI       VA         Komar'inskoye       OB       61.48       72.13       1971       PS       VA         Komsomol'skoye       NP       64.73       75.35       1969       PP       VA         Kondinskoye Vostochnaya       VA       60.37       78.74       1982       SI       VA  |                           |        |          |          |      |    | Oil                |
| Kochevskoye Severnoye       OB       62.68       73.43       PP         Kochevskoye(Tevlin-Konitlor)       OB       62.50       73.40       1979       PS         Kogolymskoye       OB       62.44       73.79       1972       PS         Kogolymskoye Severnoye       OB       62.74       73.86       1984       SI         Kogolymskoye Severnoye       OB       62.37       73.95       1972       SI         Kolikyeganskoye       VA       61.34       79.16       1971       DV         Kolikyeganskoye Vostochnoye       VA       58.68       77.50       1986       SI         Kolotuchnoye       VA       58.68       77.50       1986       SI         Konsomol'skoye       OB       61.48       72.13       1971       PS         Komsomol'skoye       OB       61.48       72.13       1971       PS         Komsomolskoye Severnoye       NP       64.73       75.35       1969       PP         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI         Konitlorskoye Severnoye       OB       62.70       72.79       1986       SI         Konitlorskoye Vostochnaya       VA  |                           |        |          |          |      |    | Oil                |
| Kochevskoye(Tevlin-Konitlor)         OB         62.50         73.40         1979         PS           Kogolymskoye         OB         62.44         73.79         1972         PS         6           Kogolymskoye Severnoye         OB         62.74         73.86         1984         SI         6           Kogolymskoye Yuzhnoye         OB         62.37         73.95         1972         SI         6           Kolikyeganskoye         VA         61.34         79.16         1971         DV         6           Kolotuchnoye         VA         58.68         77.50         1986         SI         6           Komar'inskoye         OB         61.48         72.13         1971         PS         6           Komsomol'skoye         VA         58.68         77.50         1986         SI         6           Komsomol'skoye         VA         58.68         75.35         1969         PP         6           Komsomolskoye Severnoye         NP         64.44         75.98         1966         PS         6           Kondakovskoye (Tomsk)         VA         60.37         78.74         1982         SI         6           Konitlorskoye Severnoye         OB  |                           |        |          |          | 1900 |    | Oil<br>Oil         |
| Kogolymskove       OB       62.44       73.79       1972       PS       PS         Kogolymskove Severnove       OB       62.74       73.86       1984       SI       SI         Kogolymskove Yuzhnove       OB       62.37       73.95       1972       SI       SI         Kolikyeganskove Yuzhnove       VA       61.34       79.16       1971       DV       DV         Kolikyeganskove Vostochnove       VA       58.68       77.50       1986       SI       SI         Kolotuchnove       VA       58.68       77.50       1986       SI       SI         Konar'inskoye       OB       61.48       72.13       1971       PS       SI         Komsomol' skoye       (Barsukovskoye)       NP       64.73       75.35       1969       PP       SI         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI       SI         Kondinskoye Vostochnaya       VA       1991       SI       SI<   |                           |        |          |          | 1070 |    | Oil                |
| Kogolymskoye Severnoye       OB       62.74       73.86       1984       SI       6         Kogolymskoye Yuzhnoye       OB       62.37       73.95       1972       SI       6         Kolikyeganskoye       VA       61.34       79.16       1971       DV       6         Kolikyeganskoye Vostochnoye       VA       58.68       77.50       1986       SI       6         Kolotuchnoye       VA       58.68       77.50       1986       SI       6         Konar'inskoye       OB       61.48       72.13       1971       PS       6         Komsomol' skoye       OB       61.48       72.13       1971       PS       6         Komsomol' skoye       VA       60.37       78.74       1982       SI       6         Kondinskoye Vostochnaya       VA       60.37       78.74       1982       SI       6         Kondinskoye Vostochnaya       VA       1991       SI       6       7       7       1986   |                           |        |          |          |      |    | Oil                |
| Kogolymskoye Yuzhnoye       OB       62.37       73.95       1972       SI         Kolikyeganskoye       VA       61.34       79.16       1971       DV       DV         Kolikyeganskoye       VA       58.68       77.50       1986       SI       DV       DV         Kolikyeganskoye       VA       58.68       77.50       1986       SI       DV  | · · ·                     |        |          |          |      |    | Oil                |
| Kolikyeganskoye       VA       61.34       79.16       1971       DV       0         Kolikyeganskoye Vostochnoye       VA       58.68       77.50       1986       SI       0         Kolotuchnoye       VA       58.68       77.50       1986       SI       0         Komar'inskoye       OB       61.48       72.13       1971       PS       0         Komsomol' skoye       OB       61.48       75.98       1966       PS       0         Komsomolskoye Severnoye       NP       64.73       75.35       1969       PP       0         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI       0         Kondinskoye Vostochnaya       VA       62.70       72.79       1986       SI       0         Konitlorskoye Severnoye       OB       62.70       72.80       1990       SI       0         Konitlorskoye Vostochnaya       VA       1991       SI       0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Oil</td>  |                           |        |          |          |      |    | Oil                |
| Kolikyeganskoye Vostochnoye       VA       1987       SI         Kolotuchnoye       VA       58.68       77.50       1986       SI         Komar'inskoye       OB       61.48       72.13       1971       PS         Komsomol' skoye       OB       61.48       72.13       1971       PS       OB         Komsomol' skoye       NP       64.44       75.98       1966       PS       OB         Komsomolskoye Severnoye       NP       64.73       75.35       1969       PP       OB         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI       OB         Konitlorskoye Vostochnaya       VA       1991       SI       OB       SI       OB       SI       OB       SI       OB       OB       SI       OB       OB       SI       OB       OB       SI       OB       OB<   |                           |        |          |          |      |    |                    |
| Kolotuchnoye       VA       58.68       77.50       1986       SI         Komar'inskoye       OB       61.48       72.13       1971       PS         Komsomol' skoye       (Barsukovskoye)       NP       64.44       75.98       1966       PS         (Barsukovskoye)       NP       64.73       75.35       1969       PP       6         Komsomolskoye Severnoye       NP       64.73       75.35       1969       PP       6         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI       6         Kondinskoye Vostochnaya       VA       1991       SI       6       5       6         Konitlorskoye Severnoye       OB       62.70       72.79       1986       SI       6         Konitlorskoye Vostochnaya       VA       1991       SI       6       6       6       6       6       6       6       6       6       6       6       6       6       7       6       7  |                           |        | 61.34    | 79.16    |      |    | Oil                |
| Komarinskoye         OB         61.48         72.13         1971         PS           Komsomol'skoye         (Barsukovskoye)         NP         64.44         75.98         1966         PS           (Barsukovskoye)         NP         64.73         75.35         1969         PP         64.73           Komsomolskoye Severnoye         NP         64.73         75.35         1969         PP         64.73           Kondakovskoye (Tomsk)         VA         60.37         78.74         1982         SI         64.74           Kondinskoye Vostochnaya         VA         1991         SI         64.73         1991         SI         64.74           Konitlorskoye Vostochnaya         VA         1991         SI         64.74         1991         SI         64.74           Konitlorskoye Vostochnaya         VA         1991         SI         64.75         72.80         1990         SI         64.74         62.50         72.83         1988         SI         64.74         64.75         72.83         1988         SI         64.74         64.75         72.80         1972         SI         64.74         64.75         72.80         1972         SI         66.75         72.80         1972 </td <td></td> <td></td> <td>50.00</td> <td>77 50</td> <td></td> <td></td> <td>Oil</td> |                           |        | 50.00    | 77 50    |      |    | Oil                |
| Komsomol'skoye       NP       64.44       75.98       1966       PS         (Barsukovskoye)       NP       64.73       75.35       1969       PP         Komsomolskoye Severnoye       NP       64.73       75.35       1969       PP         Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI         Kondinskoye Vostochnaya       VA       1991       SI       9         Konitlorskoye Severnoye       OB       62.70       72.79       1986       SI         Konitlorskoye Vostochnoye       OB       62.50       72.80       1990       SI         Konitlorskoye Yuzhnoye       OB       62.26       72.54       1989       SI         Konitlorskoye Zapadnoye       OB       62.50       72.80       1972       SI         Konitlorskoye(Tevlin-Konitlor)       OB       62.50       72.80       1972       SI         Koshilsko-Vakhskoye       VA       61.07       79.22       1987       PS       62.64         Kotukhtaskoye Zapadnoye       OB       62.64       75.47       1981       SI   |                           |        |          |          |      |    | Oil<br>Oil         |
| (Barsukovskoye)         NP         64.44         75.98         1966         PS           Komsomolskoye Severnoye         NP         64.73         75.35         1969         PP           Kondakovskoye (Tomsk)         VA         60.37         78.74         1982         SI           Kondinskoye Vostochnaya         VA         1991         SI         9           Kontilorskoye Severnoye         OB         62.70         72.79         1986         SI           Konitlorskoye Vostochnoye         OB         62.50         72.80         1990         SI           Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Zapadnoye         OB         62.50         72.80         1972         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS         SI           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI  |                           | UВ     | 01.40    | 12.13    | 1971 | P3 | O                  |
| Komsomolskoye Ševernoye         NP         64.73         75.35         1969         PP           Kondakovskoye (Tomsk)         VA         60.37         78.74         1982         SI           Kondinskoye Vostochnaya         VA         1991         SI         9           Kondinskoye Vostochnaya         VA         1991         SI         9           Konitlorskoye Severnoye         OB         62.70         72.79         1986         SI           Konitlorskoye Vostochnoye         OB         62.50         72.80         1990         SI           Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Zapadnoye         OB         62.50         72.80         1972         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS         9           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI   |                           |        | CA 44    | 75.00    | 4000 | DO | 0.00               |
| Kondakovskoye (Tomsk)       VA       60.37       78.74       1982       SI         Kondinskoye Vostochnaya       VA       1991       SI       9         Konitlorskoye Severnoye       OB       62.70       72.79       1986       SI         Konitlorskoye Vostochnoye       OB       62.50       72.80       1990       SI         Konitlorskoye Yuzhnoye       OB       62.15       72.83       1988       SI         Konitlorskoye Zapadnoye       OB       62.26       72.54       1989       SI         Konitlorskoye(Tevlin-Konitlor)       OB       62.50       72.80       1972       SI         Koshilsko-Vakhskoye       VA       61.07       79.22       1987       PS         Kotukhtaskoye Zapadnoye       OB       62.64       75.47       1981       SI   |                           |        |          |          |      |    | Gas                |
| Kondinskoye Vostochnaya       VA       1991       SI         Konitlorskoye Severnoye       OB       62.70       72.79       1986       SI         Konitlorskoye Vostochnoye       OB       62.50       72.80       1990       SI         Konitlorskoye Vostochnoye       OB       62.15       72.83       1988       SI         Konitlorskoye Yuzhnoye       OB       62.26       72.54       1989       SI         Konitlorskoye Zapadnoye       OB       62.50       72.80       1972       SI         Konitlorskoye(Tevlin-Konitlor)       OB       62.50       72.80       1972       SI         Koshilsko-Vakhskoye       VA       61.07       79.22       1987       PS         Kotukhtaskoye Zapadnoye       OB       62.64       75.47       1981       SI   |                           |        |          |          |      |    | Gas                |
| Konitlorskoye Severnoye         OB         62.70         72.79         1986         SI           Konitlorskoye Vostochnoye         OB         62.50         72.80         1990         SI           Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Zapadnoye         OB         62.26         72.54         1989         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI   | ,                         |        | 60.37    | 78.74    |      |    | Oil                |
| Konitlorskoye Vostochnoye         OB         62.50         72.80         1990         SI           Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Zapadnoye         OB         62.26         72.54         1989         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI  |                           |        | 00 70    | 70 70    |      |    | Oil                |
| Konitlorskoye Yuzhnoye         OB         62.15         72.83         1988         SI           Konitlorskoye Zapadnoye         OB         62.26         72.54         1989         SI         6           Konitlorskoye (Tevlin-Konitlor)         OB         62.50         72.80         1972         SI         6           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS         6           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI         6  |                           |        |          |          |      |    | Oil                |
| Konitlorskoye Zapadnoye         OB         62.26         72.54         1989         SI           Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI         6           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS         6           Kotukhtaskoye Zapadnoye         OB         62.64         75.47         1981         SI         6   |                           |        |          |          |      |    | Oil                |
| Konitlorskoye(Tevlin-Konitlor)         OB         62.50         72.80         1972         SI         OB           Koshilsko-Vakhskoye         VA         61.07         79.22         1987         PS         OB         62.64         75.47         1981         SI         0         0         0         0         0         0         0         0         0  |                           |        |          |          |      |    | Oil                |
| Koshilsko-VakhskoyeVA61.0779.221987PSKotukhtaskoye ZapadnoyeOB62.6475.471981SI   |                           |        |          |          |      |    | Oil                |
| Kotukhtaskoye Zapadnoye OB 62.64 75.47 1981 SI   | ,                         |        |          |          |      |    | Oil                |
|  | •                         |        |          |          |      |    | Oil                |
| Krapivinskoye KA 58.03 75.68 1969 SI   |                           |        |          |          |      |    | Oil                |
|  |                           |        |          |          |      |    | Oil                |
|  |                           |        |          |          |      |    | Oil                |
| Krapivinskoye Vostochnoye KA 58.09 75.73 1986 SI   | Krapivinskoye Vostochnoye | KA     | 58.09    | 75.73    | 1986 | SI | Oil                |

| (Continued)                                |          |                                | -                             |                   | -                   | -                  |
|--|----------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                                 | Region   | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Kroopeleningkovo                           |          | 61.70                          | 66 77                         | 1060              | DC                  |                    |
| Krasnoleninskoye                           | FR<br>VA | 59.08                          | 66.77<br>77.83                | 1962<br>1965      | PS<br>SI            | Oil<br>Oil         |
| Krasnoyarskoye Zapadnoye<br>Kraynyeyeskoye | VA<br>NP | 59.08<br>63.75                 | 74.33                         | 1965              | PS                  | Oil                |
| Kruzenshternskoye Yuzhnoye                 |          | 70.60                          | 67.20                         | 1982              | SI                  | Gas                |
| Kudrinskoye                                | OB       | 60.83                          | 72.50                         | 1980              | 51                  | Oil                |
| Kul'yeganskoye (Tyumen)                    | OB       | 59.99                          | 76.17                         | 1986              | SI                  | Oil                |
| Kulginskoye                                | UKN      | 39.99                          | 70.17                         | 1980              | SI                  | Oil                |
| Kulyeganskoye(Tomsk)                       | VA       | 60.01                          | 77.76                         | 1988              | SI                  | Oil                |
| Kurraganskoye                              | OB       | 61.72                          | 75.95                         | 1980              | SI                  | Oil                |
| Kurraganskoye Yuzhnoye                     | OB       | 61.66                          | 75.92                         | 1988              | SI                  | Oil                |
| Kustovoyeskoye Yuzhnoye                    | OB       | 62.03                          | 74.33                         | 1986              | SI                  | Oil                |
| Kvartovoye                                 | OB       | 60.05                          | 77.08                         | 1974              | SI                  | Oil                |
| Kynskoye                                   | PT       | 65.15                          | 80.58                         | 1982              | SI                  | Oil                |
| Kysomskoye                                 | OB       | 61.50                          | 77.17                         | 1987              | PP                  | Oil                |
| Larkinskoye                                | OB       | 62.13                          | 72.42                         | 1986              | SI                  | Oil                |
| Larlominskoye Yuzhnoye                     | KA       | 58.98                          | 75.30                         |                   | SI                  | Oil                |
| Larlomkinskoye                             | KA       | 59.08                          | 75.31                         | 1971              | SI                  | Oil                |
| Lasyeganskoye                              |          |                                |                               |                   |                     |                    |
| (Pokachev-Ur'yev)                          | OB       | 61.50                          | 75.00                         | 1979              | PS                  | Oil                |
| Lazarevskoye                               | UR       | 61.06                          | 64.93                         | 1984              | PS                  | Oil                |
| Lebyazhyeskoye                             | FR       | 61.98                          | 66.91                         | 1981              | SI                  | Oil                |
| Ledovoye Severnoye                         |          |                                |                               |                   |                     |                    |
| (Tomsk)                                    | OB       | 59.62                          | 76.77                         |                   | SI                  | Oil                |
| Ledovoye (Tomsk)                           | OB       | 59.54                          | 76.69                         | 1972              | SI                  | Oil                |
| Ledyanoye                                  | OB       | 59.66                          | 76.15                         | 1987              | SI                  | Oil                |
| Lem'inskoye Vostochnoye                    | UR       | 61.00                          | 63.83                         | 1964              | SI                  | Oil                |
| Lem'inskoye Zapadnoye                      | UR       | 61.00                          | 63.66                         | 1965              | SI                  | Oil                |
| Leminskoye (Lemya)                         | UR       | 60.88                          | 63.91                         | 1964              | DV                  | Oil                |
| Lempinskoye Zapadnoye                      |          |                                |                               |                   | _                   |                    |
| (Pravdinsk-Salym)                          | OB       | 60.83                          | 71.42                         | 1964              | SI                  | Oil                |
| Leningradskoye                             | YA       | 65.50                          | 72.20                         | 1990              | SI                  | Gas                |
| Leninskoye(Karabashskoye)                  | UR       | 58.67                          | 66.33                         | 1964              | PP                  | Gas                |
| Lenzitskoye                                | NP       | 66.32                          | 72.87                         | 1984              | SI                  | Oil                |
| Limbayakhaskoye                            | PT       | 67.20                          | 80.40                         | 1991              | SI                  | Oil                |
| Lineynoye                                  | PA       | 60.57                          | 80.50                         | 1972              | SI                  | Oil                |
| Lokosovoye                                 | OB       | 61.20                          | 74.91                         | 1963              | PS                  | Oil                |
| Lomovoye                                   | VA       | 59.28                          | 77.04                         | 1970              | PP                  | Oil                |
| Lontyn'yakhskoye                           | KA       | 58.88<br>60.90                 | 76.00                         | 1964              | PP<br>UKN           | Oil                |
| Lopukhovskoye<br>Lorbinskoye               | UR<br>FR | 60.90<br>61.52                 | 63.55<br>67.83                | 1966              | PS                  | Oil<br>Oil         |
| -  | OB       | 61.44                          | 77.04                         | 1980              | PS                  | Oil                |
| Loryeganskoye<br>Losevoye                  | OB       | 62.84                          | 71.85                         | 1980              | SI                  | Oil                |
| Lovinskoye                                 | UR       | 61.30                          | 65.19                         | 1982              | PS                  | Oil                |
| Lovinskoye Zapadnoye                       | UR       | 61.25                          | 65.00                         | 1982              | SI                  | Oil                |
| Lower Tabaganskoye                         | KA       | 57.30                          | 79.00                         | 1985              | SI                  | Oil                |
| Luginetskoye                               | VA       | 58.25                          | 78.87                         | 1967              | PP                  | Gas                |
| Luginetskoye Zapadnoye                     | OB       | 58.20                          | 78.88                         | 1990              | SI                  | Oil                |
| Lyantorskoye (Taybinskoye)                 | OB       | 61.54                          | 72.11                         | 1966              | PS                  | Oil                |
| Lykhminskoye                               | FR       | 63.25                          | 65.82                         | 1982              | SI                  | Oil                |
| Maksimkinskoye                             | UKN      |                                |                               | 1992              | SI                  | Oil                |
| Malo Kolikyeganskoye                       | VA       |                                |                               | 1987              | SI                  | Oil                |
| · · · · · · · · · · · · · · · · · · ·      | -        |                                |                               |                   |                     |                    |

| (Continued)                |        | North     | East      |           |           |            |
|----------------------------|--------|-----------|-----------|-----------|-----------|------------|
|                            |        | Latitude  | Latitude  | Discovery | Producing | Primary    |
| Field Name                 | Region | (degrees) | (degrees) | Date      | Status    | Product    |
| Malo-Aganskoye Yuzhnoye    | OB     | 61.45     | 76.02     | 1980      | PP        | Oil        |
| Malo-Perevalnoye           | OB     | 63.25     | 72.62     | 1991      | SI        | Oil        |
| Malo-Tolumskoye            | UR     | 60.51     | 65.29     | 1978      | PP        | Oil        |
| Malobalykskoye             | OB     | 60.48     | 72.25     | 1966      | PS        | Oil        |
| Malochernogorskoye         | OB     | 61.49     | 77.20     | 1969      | PS        | Oil        |
| Malodanilovskoye           | UR     | 01.43     | 11.20     | 1966      | SI        | Oil        |
| Maloichskoye               | KA     | 56.82     | 78.48     | 1900      | PP        | Oil        |
| Maloklyuchevoye            | OB     | 61.59     | 75.83     | 1983      | SI        | Oil        |
| Malokustovoye              | OB     | 62.07     | 74.48     | 1986      | SI        | Oil        |
| Maloledyanoye              | OB     | 59.60     | 76.17     | 1989      | SI        | Oil        |
| Malonovogodneye            | NP     | 61.18     | 77.08     | 1980      | SI        | Oil        |
| Malopokachevskoye          | OB     | 61.81     | 75.19     | 1980      | SI        | Oil        |
| Malopotanayskoye           | UR     | 61.36     | 65.75     | 1973      | SI        | Oil        |
| Malopriobskoye             | FR     | 01.30     | 05.75     | 1909      | Oil       |            |
| Malopyakutaskoye           | OB     | 63.70     | 73.28     | 1986      | SI        | Oil        |
| Malorechenskoye            | OB     | 60.52     | 77.24     | 1965      | PS        | Oil        |
| Malovar'yeganskoye         | NP     | 62.20     | 77.02     | 1986      | SI        | Oil        |
| Malovat yeganskoye         | OB     | 62.20     | 75.32     | 1984      | PP        | Oil        |
| Maloveselovskoye           | KA     | 56.42     | 77.98     | 1964      | SI        | Oil        |
| Maloyagunskoye             | OB     | 62.30     | 74.30     | 1904      | SI        | Oil        |
| Maloyamalskoye             | OD     | 02.50     | 74.50     |           | 51        |            |
| (Lesser Yamal)             | YA     | 68.32     | 71.60     | 1975      | DV        | Gas        |
| Maloyugan Severnoye        | OB     | 60.20     | 75.10     | 1975      | SI        | Oas<br>Oil |
| Maloyuganskoye             | OB     | 60.20     | 75.18     | 1975      | SI        | Oil        |
| Malyginskoye               | YA     | 72.20     | 70.44     | 1975      | PP        | Gas        |
| Mamontovskoye              |        | 12.20     | 70.44     | 1979      |           | Cas        |
| (Ust-Balyk)                | OB     | 61.09     | 72.57     | 1965      | PS        | Oil        |
| Mangazeyskoye              | PT     | 66.80     | 82.67     | 1987      | SI        | Oil        |
| Maslikhovskoye             | OB     | 61.70     | 71.64     | 1985      | PS        | Oil        |
| Matyushkinskoye            | OB     | 59.89     | 76.98     | 1969      | SI        | Oil        |
| Mayskoye                   | OB     | 60.41     | 72.80     | 1978      | PS        | Oil        |
| Medvezhyeskoye             | NP     | 66.23     | 74.00     | 1966      | PP        | Gas        |
| Megionskoye                | OB     | 61.13     | 76.00     | 1964      | PS        | Oil        |
| Meretayakhaskoye           | NP     | 64.61     | 74.59     | 1986      | SI        | Oil        |
| Messoyakhaskoye Vostochnay |        | 68.60     | 80.12     | 1989      | SI        | Oil        |
| Messoyakhaskoye Yuzhnaya   | GY     | 68.06     | 79.40     | 1986      | SI        | Gas        |
| Messoyakhaskoye Zapadnaya  |        | 68.50     | 79.12     | 1982      | SI        | Oil        |
| Messoyakhskoye             | •      | 00.00     |           |           | •         | •          |
| (Norilisk City1970)        |        |           |           |           |           |            |
| (Yenisey-Khatanga)         | GY     | 69.20     | 82.40     | 1967      | PP        | Gas        |
| Mezhovskoye                | KA     | 56.54     | 77.86     | 1964      | SI        | Oil        |
| Mezhovskoye Vostochnoye    | KA     | 56.59     | 78.12     | 1966      | SI        | Oil        |
| Minchimkaskoye             | OB     | 61.88     | 72.87     | 1969      | SI        | Oil        |
| Minchimkaskoye Severnaya   | OB     | 61.92     | 72.67     | 1969      | SI        | Oil        |
| Minkhovskoye               | GY     | 69.37     | 76.02     | 1989      | SI        | Gas        |
| Minkhovskoye Vostochnoye   | GY     | 69.37     | 76.02     | 1991      | SI        | Gas        |
| Mirnoye                    | VA     | 57.67     | 79.50     | 1982      | SI        | Oil        |
| Mogutlorskoye              | OB     | 62.03     | 75.82     | 1987      | SI        | Oil        |
| Mogutlorskoye Zapadnoye    | OB     | 62.02     | 75.65     | 1986      | PP        | Oil        |
| Moiseyevskoye              | KA     | 58.19     | 76.06     | 1970      | SI        | Oil        |
| Moiseyevskoye Zapadnoye    | KA     | 58.20     | 75.83     | 1992      | SI        | Oil        |
| , , , , , ,                |        | -         | -         |           |           |            |

| (Continued)                                      |        |                                | -                             | -                 |                     |                    |
|--|--------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                                       | Region | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
|  |        |                                |                               |                   |                     |                    |
| Mokhovoye Vostochnoye                            | OB     | 61.88                          | 74.34                         | 1973              | SI                  | Oil                |
| Mokhtikovskoye                                   | OB     | 60.44                          | 76.58                         | 1988              | SI                  | Oil                |
| Mortym'yaskoye Severnoye                         | UR     | 60.40                          | 64.80                         | 1977              | PP                  | Oil                |
| Mortym'yaskoye Yuzhnoye                          | UR     | 60.40                          | 64.80                         | 1962              | PP                  | Oil                |
| Mortym'yaskoye Zapadnoye 1                       | UR     | 60.40                          | 64.80                         | 1962              | PP                  | Oil                |
| Mortym'yaskoye Zapadnoye 2                       | UR     | 60.40                          | 64.80                         | 1962              | PP                  | Oil                |
| Mortym'yaskoye Zapadnoye 3                       | UR     | 60.40                          | 64.80                         | 1962              | PP                  | Oil                |
| Multanovoskoye                                   | KA     | 60.08                          | 73.55                         | 1971              | DV                  | Oil                |
| Mulym'yaskoye                                    | UR     | 60.24                          | 64.42                         | 1960              | PS                  | Oil                |
| Mulymyaskoye Srednyaya                           | UR     | 60.62                          | 64.77                         | 1963              | SI                  | Oil                |
| Mulymyaskoye Zapadnoye                           | UR     | 60.24                          | 64.42                         | 1960              | PP                  | Oil                |
| Muravlenkoskoye                                  | NP     | 63.99                          | 74.95                         | 1978              | PS                  | Oil                |
| Muryaunskoye                                     | UKN    | 04.04                          |                               | 1005              | SI                  | Oil                |
| Mykhlorskoye                                     | VA     | 61.31                          | 77.53                         | 1985              | SI                  | Oil                |
| Mykhpayskoye(Samotlor)                           | OB     | 61.20                          | 76.60                         | 1961              | PS                  | Oil                |
| Myldzhinskoye                                    | VA     | 58.74                          | 78.44                         | 1964              | DV                  | Gas                |
| Myldzhinskoye Yuzhnoye                           | VA     | 58.51                          | 78.15                         | 1967              | SI                  | Oil                |
| Nadymskoye                                       | NP     | 65.50                          | 72.97                         | 1972              | SI                  | Gas                |
| Nakhodkaskoye                                    | NP     | 68.02                          | 78.17                         | 1974              | SI                  | Gas                |
| Nalim'yeskoye                                    | KA     | 57.84                          | 76.74                         | 1987              | SI                  | Oil                |
| Nazinskoye Yuzhnoye                              | VA     | 60.07                          | 78.73                         | 1961              | SI                  | Oil                |
| Nazymskoye                                       | FR     | 62.48                          | 67.89                         | 1988              | SI                  | Oil                |
| Neponyatnoye                                     | NP     | 66.80                          | 77.77                         | 1986              | SI                  | Oil                |
| Nerstinskoye                                     | YA     | 70.20                          | 68.50                         | 4075              | SI                  | Gas                |
| Ney-To (Neytinskoye)                             | YA     | 70.06                          | 70.16                         | 1975              | DV                  | Gas                |
| Nezhdannoye                                      | OB     | 60.43                          | 76.87                         | 1981              | SI                  | Oil                |
| Nikol'skoye (Tomsk)                              | VA     | 59.97                          | 79.05                         | 1971              | SI                  | Oil                |
| Nikol'skoye (Tyumen)                             | VA     | 61.45                          | 77.58                         | 1985              | PS                  | Oil                |
| Nivagalskoye(Pokachev-Ur'yev<br>Nizhne Khetskoye | /) OB  | 61.66                          | 74.80                         | 1968              | PS                  | Oil                |
| (Yenisey-Khatanga)                               | GY     | 69.50                          | 84.50                         | 1966              | ABND                | Gas                |
| Nizhne Tabaganskoye                              | KA     | 58.25                          | 79.17                         | 1973              | SI                  | Oll                |
| Nizhne-Shapshinskoye                             | OB     | 60.50                          | 70.33                         | 1070              | SI                  | Oil                |
| Nizhne-Sortymskoye                               | OB     | 62.48                          | 70.00                         | 1974              | PS                  | Oil                |
| Nizhne-Tobolyanskoye                             | VA     | 58.42                          | 78.83                         | 1975              | SI                  | Oil                |
| Nizhnevartovskoye                                | OB     | 60.80                          | 77.10                         | 1965              | PP                  | Oil                |
| Nizhniy Keumskoye                                | KA     | 59.59                          | 71.36                         | 1000              | SI                  | Oil                |
| Nong'yeganskoye                                  | OB     | 61.89                          | 74.86                         | 1974              | PS                  | Oil                |
| Nong'yeganskoye Vostochnoye                      |        | 61.84                          | 75.01                         | 1974              | SI                  | Oil                |
| Novoaganskoye                                    | NP     | 61.83                          | 78.13                         | 1985              | SI                  | Oil                |
| Novochaselskoye                                  | PT     | 65.42                          | 80.17                         | 1989              | SI                  | Oil                |
| Novogodneye                                      | NP     | 63.49                          | 76.92                         | 1976              | PS                  | Oil                |
| Novogodneye Zapadnoye                            | NP     | 63.47                          | 76.41                         | 1987              | SI                  | Oil                |
| Novomolodezhnoye                                 | NP     | 61.60                          | 78.08                         | 1977              | PS                  | Oil                |
| Novopokurskoye                                   | OB     | 60.75                          | 74.50                         | 1981              | PS                  | Oil                |
| Novoportovskoye                                  | YA     | 67.88                          | 72.43                         | 1964              | DV                  | Gas                |
| Novopurpeyskoye                                  | NP     | 64.20                          | 75.43                         | 1983              | PS                  | Oil                |
| Novoyendyrskoye                                  | FR     | 61.85                          | 67.87                         | 1977              | SI                  | Oil                |
| Novyy-Tutymskoye                                 | KA     | 58.80                          | 74.20                         | 1988              | SI                  | Oil                |
| Noyabr'skoye Zapadnoye                           | OB     | 63.39                          | 75.01                         | 1987              | PS                  | Oil                |
| Nulin-Turskoye                                   | UR     | 62.95                          | 64.22                         | 1961              | SI                  | Gas                |
|  |        | 02.00                          |                               |                   |                     | 240                |

| (Continued)               |        | North     | East      |           |           |         |
|---------------------------|--------|-----------|-----------|-----------|-----------|---------|
|                           |        | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                | Region | (degrees) | (degrees) | Date      | Status    | Product |
| N                         |        | 00 77     | 74 77     | 4070      | 0         | 0       |
| Nurminskoye               | YA     | 68.77     | 71.77     | 1970      | SI        | Gas     |
| Nydinskoye                | NP     |           |           | 1981      | SI        | Gas     |
| Ob River Area             | OB     | 04.00     | 05.00     | 1982      | SI        | Oil     |
| Okhanskoye                | UR     | 61.03     | 65.68     | 1967      | SI        | Oil     |
| Okhteurskoye Vostochnoye  | VA     | ~~ ~~     |           | 1994      | SI        | Oil     |
| Okhteurskoye Yuzhnny      | VA     | 60.76     | 78.50     | 1990      | SI        | Oil     |
| Ol'khovskoye (Tyumen)     | FR     | 63.20     | 67.86     | 1986      | SI        | Oil     |
| Olen'yeskoye              | KA     | 59.36     | 76.34     | 1967      | PS        | Oil     |
| Olen'yeskoye Severnoye    | KA     | 59.40     | 76.40     | 1989      | PP        | Oil     |
| Ombinskoye                | OB     | 61.05     | 72.83     | 1989      | PP        | Oil     |
| Ontokhskoye               | FR     | 60.81     | 66.15     | 1989      | SI        | Oil     |
| Orekhov Severnoye         | OB     | 61.00     | 76.23     |           | SI        | Oil     |
| Orekhovoskoye             | OB     | 60.82     | 75.70     | 1976      | SI        | Oil     |
| Osomkinskoye Zapadnoye    | OB     | 61.00     | 73.55     |           | SI        | Oil     |
| Ostaninskoye              | VA     | 57.70     | 79.37     | 1970      | DV        | Gas     |
| Ostaninskoye Severnoye    | VA     | 57.91     | 79.29     | 1977      | SI        | Oil     |
| Ostaninskoye Zapadnoye    | VA     | 57.73     | 79.04     | 1972      | PS        | Oil     |
| Ostrovnoye                | OB     | 60.93     | 75.18     | 1980      | SI        | Oil     |
| Ostrovnoye Severnoye      | OB     | 61.01     | 74.84     | 1978      | PP        | Oil     |
| Ostrovnoye Yuzhnoye       | OB     | 60.75     | 74.92     | 1989      | SI        | Oil     |
| Otdelnoye                 | OB     | 62.93     | 74.86     | 1985      | SI        | Oil     |
| Ozernoye (Tomsk)          | KA     | 59.20     | 76.47     | 1970      | PS        | Oil     |
| Ozernoye                  |        |           |           |           |           |         |
| (Vostochnoye & Zapadnoye) |        | 62.25     | 63.50     | 1963      | DV        | Gas     |
| Pal'nikovskoye            | OB     | 64.63     | 72.18     | 1992      | SI        | Oil     |
| Palyanovskoye             | FR     | 61.75     | 65.92     | 1972      | PP        | Oil     |
| Pangodyskoye              | NP     | 65.56     | 74.53     | 1979      | SI        | Gas     |
| Parusovoye                | GY     | 68.44     | 74.67     | 1985      | PP        | Oil     |
| Paul-Tur                  | UR     | 63.09     | 64.16     | 1960      | SI        | Gas     |
| Pavlovskoye (Tomsk)       | KA     | 58.50     | 75.78     | 1989      | SI        | Oil     |
| Paysyataskoye             | NP     | 64.30     | 73.90     | 1988      | SI        | Oil     |
| Paytykhskoye              | FR     | 61.26     | 65.37     | 1987      | SI        | Oil     |
| Pelyatkinskoye            |        |           |           |           |           |         |
| (Yenisey-Khatanga)        | GY     | 69.60     | 81.80     | 1977      | DV        | Gas     |
| Perekatnoye               | PT     | 67.74     | 78.69     | 1988      | SI        | Gas     |
| Pereval'noye Vostochnoye  | OB     | 63.26     | 72.63     | 1990      | SI        | Oil     |
| Perevalnoye Yuzhnoye      | OB     |           |           | 1991      | SI        | Oil     |
| Permyakovskoyeskoye       | VA     | 61.34     | 79.55     | 1972      | PS        | Oil     |
| Pervomayskoye (Tomsk)     | KA     | 59.05     | 75.96     | 1969      | PS        | Oil     |
| Peschanoye                | FR     | 62.23     | 65.95     | 1987      | SI        | Oil     |
| Pestsovoye Zapadnoye      | NP     | 66.91     | 74.73     | 1985      | PP        | Gas     |
| Petelinskoye              | OB     | 60.55     | 71.92     | 1982      | PS        | Oil     |
| Pil'tanskoye              | OB     | 61.68     | 73.15     | 1985      | PP        | Oil     |
| Pindzhinskoye             | VA     | 57.64     | 79.68     | 1985      | SI        | Oil     |
| Pionerskoye               | VA     | 58.97     | 77.27     |           | SI        | Oil     |
| Pogranichnoye (Tyumen)    | OB     | 62.91     | 75.19     | 1982      | PS        | Oil     |
| Pokachevsko-Ur'yevskoye   |        |           |           |           |           |         |
| (Akhskoye, Lasyeganskoye, |        |           |           |           |           |         |
| Nivagalskoye, Potochnoye, |        |           |           |           |           |         |
| Potochnoye Severnoye,     |        |           |           |           |           |         |
| Pokachevskoye Yuzhnoye,   |        |           |           |           |           |         |
|                           |        |           |           |           |           |         |

Energy Information Administration Oil and Gas Resources of the West Siberian Basin, Russia

| (Continued)                                  |          |                                |                               |                   |                     |                    |
|--|----------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                                   | Region   | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Ur'yevskoye)                                 | OB       | 61.73                          | 75.23                         | 1970              | PS                  | Oil                |
| Pokachevskoye Severnoye                      | OD       | 01.75                          | 15.25                         | 1970              | 10                  |                    |
| (Pokachev-Ur'yev)                            | OB       | 61.89                          | 75.56                         | 1980              | PP                  | Oil                |
| Pokachevskoye Vostochnoye                    | OB       | 61.85                          | 75.90                         | 1980              | SI                  | Oil                |
| Pokachevskoye Yuzhnoye                       |          |                                |                               |                   |                     |                    |
| (Pokachev-Úr'yev)                            | OB       | 61.64                          | 75.33                         | 1976              | PP                  | Oil                |
| Pokamasovskoye                               | OB       | 61.20                          | 74.39                         | 1972              | PS                  | Oil                |
| Pokamasovskoye Yuzhnoye                      | OB       | 61.07                          | 74.50                         |                   | SI                  | Oil                |
| Pokamasovskoye Zapadnoye                     | OB       | 61.32                          | 74.40                         |                   | SI                  | Oil                |
| Pokhromskoye                                 | UR       | 64.08                          | 65.83                         | 1960              | PP                  | Gas                |
| Pokurskoye Severskoye                        | OB       | 61.20                          | 75.50                         | 1964              | PS                  | Oil                |
| Poludennoye (Tomsk)                          | VA       | 60.08                          | 78.25                         | 1967              | PS                  | Oil                |
| Poludennoye (Tyumen)                         | OB       | 60.54                          | 76.64                         | 1983              | PP                  | Oil                |
| Poludennoye Severnoye                        | VA       |                                | 70.00                         | 1992              | SI                  | Oil                |
| Polun'yakhskoye                              | KA<br>OB | 59.54<br>64.08                 | 73.03<br>74.25                | 1990<br>1989      | SI<br>PP            | Oil<br>Oil         |
| Pomaliyakhskoye Severnoye<br>Pon'zhevoye     | КА       | 64.08<br>57.92                 | 74.25<br>76.52                | 1989              | SI                  | Oil                |
| Poselkovoye                                  | KA       | 58.56                          | 76.32                         | 1983              | SI                  | Oil                |
| Posnokortskove                               | UNK      | 00.00                          | 10.41                         | 1502              | SI                  | Oil                |
| Potanayskoye                                 | UR       | 61.17                          | 65.62                         | 1965              | SI                  | Oil                |
| Potanayskoye Severnoye                       | UR       | 61.22                          | 65.60                         | 1965              | SI                  | Oil                |
| Potanayskoye Vostochnoye                     | UR       | 61.17                          | 65.62                         | 1990              | SI                  | Oil                |
| Potanayskoye Yuzhnoye                        | UR       | 61.13                          | 65.68                         | 1966              | SI                  | Oil                |
| Potochnoye Severnoye                         |          |                                |                               |                   |                     |                    |
| (Poka-Ury)                                   | OB       |                                |                               | 1979              | SI                  | Oil                |
| Potochnoye(Poka-Ury)                         | OB       |                                |                               | 1974              | SI                  | Oil                |
| Pottymskoye                                  | FR       | 61.22                          | 66.99                         | 1988              | SI                  | Oil                |
| Povkhovskoye                                 | OB       | 62.36                          | 75.81                         | 1972              | PS                  | Oil                |
| Povkhovskoye Severnoye                       | OB       | 62.80                          | 76.20                         | 40-0              | SI                  | Oil                |
| Povkhovskoye Yuzhnoye                        | OB       | 62.39                          | 76.19                         | 1972              | SI                  | Oil                |
| Pravdinsk-Salymskoye                         | OB       | 60.94                          | 71.78                         | 1964              | PS                  | Oil                |
| Pridorozhnoye Vostochnoye                    | OB<br>FR | 62.10<br>61.13                 | 74.67<br>70.46                | 1982              | SI<br>PS            | Oil<br>Oil         |
| Priobskoye<br>Priobskovo Sovornovo           | FR       | 61.56                          | 70.46                         | 1982              | SI                  | Oil                |
| Priobskoye Severnoye<br>Priobskoye Zapadnoye | FR       | 61.59                          | 70.30                         | 1988              | SI                  | Oil                |
| Prirakhtovskoye                              | FR       | 57.36                          | 72.21                         | 1900              | SI                  | Oil                |
| Prisklonovoye                                | NP       | 65.18                          | 76.97                         | 1010              | 0.                  | Oil                |
| Promezhutochnoye                             | OB       | 61.33                          | 71.50                         |                   | SI                  | Oil                |
| Protochnoye                                  | VA       | 60.65                          | 78.33                         | 1978              | SI                  | Oil                |
| Protochnove Severnoye                        | VA       | 60.63                          | 78.20                         | 1979              | SI                  | Oil                |
| Protochnoye Yuzhnoye                         | VA       | 60.52                          | 78.17                         | 1978              | SI                  | Oil                |
| Puglalymskoye                                | VA       | 58.89                          | 77.73                         | 1971              | SI                  | Oil                |
| Pulpuyakhskoye                               | NP       | 63.83                          | 73.67                         | 1977              | SI                  | Oil                |
| Punga (Punginskoye)                          | UR       | 62.76                          | 64.44                         | 1961              | PP                  | Gas                |
| Purovskoye Severnoye                         | PT       | 66.54                          | 78.33                         | 1986              | SI                  | Gas                |
| Purpeyskoye Yuzhnoye                         | NP       | 64.17                          | 74.28                         | 1984              | SI                  | Oil                |
| Purpeyskoye Zapadnoye                        | NP       | 64.59                          | 75.54                         | 1987              | PP                  | Oil                |
| Pyakutaskoye                                 | OB       | 63.74                          | 73.10                         | 1987              | SI                  | Oil                |
| Pyakuta Vostochnoye                          | OB       | 63.58                          | 74.14                         | 1982              | DV                  | Oil                |
| Pyakyakhinskoye                              | PY<br>NP | 67.84<br>64.00                 | 80.13                         | 1989              | SI<br>PS            | Gas<br>Oil         |
| Pyamaliyakhskoye Severnoye                   | INP      | 64.00                          | 74.20                         | 1982              | гð                  | UI                 |

| (Continued)  |          | North                 | East                  |                   |                     |                    |
|--|----------|-----------------------|-----------------------|-------------------|---------------------|--------------------|
| Field Name   | Region   | Latitude<br>(degrees) | Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Pylinskoye   | OB       | 61.05                 | 77.54                 | 1980              | PP                  | Oil                |
| Pylinskoye Zapadnoye                                   | OB       | 61.05                 | 77.50                 | 1991              | SI                  | Oil                |
| Pyreynoye  | NP       | 65.62                 | 77.69                 | 1976              | DV                  | Gas                |
| Pyreynoye Yuzhnoye                                     | NP       | 65.62                 | 77.69                 | 1980              | SI                  | Oil                |
| Rakitinskoye   | KA       | 56.96                 | 78.96                 | 1971              | SI                  | Oil                |
| Ravenskoye   | OB       | 61.90                 | 74.17                 | 1981              | SI                  | Oil                |
| Ravninnoye   | PT       | 63.33                 | 79.52                 | 1987              | SI                  | Oil                |
| Rechnoye   | VA       | 58.39                 | 77.92                 | 1981              | SI                  | Gas                |
| Rodnikovoye  | OB       | 61.73                 | 74.25                 | 1988              | PP                  | Oil                |
| Rogozhnikovskoye                                       | FR       | 62.21                 | 67.29                 | 1988              | SI                  | Oil                |
| Rogozhnikovskoye Severnoye                             |          | 62.30                 | 67.20                 | 1990              | SI                  | Oil                |
| Rogozhnikovskoye Yuzhnoye                              | FR       | 62.10                 | 67.50                 | 1990              | SI                  | Oil                |
| Rogozhnikovskoye Zapadnoye                             |          | 62.20                 | 67.20                 | 1000              | SI                  | Oil                |
| Romanovskoye   | OB       | 63.80                 | 73.89                 | 1987              | SI                  | Oil                |
| Roslavlskoye   | OB       | 62.03                 | 76.48                 | 1988              | DV                  | Oil                |
| Rostovtsevskove  | YA       | 68.43                 | 72.40                 | 1986              | DV                  | Gas                |
| Rubinovoye   | OB       | 61.13                 | 76.28                 | 1982              | PP                  | Oas<br>Oil         |
| Ruch'yevskoye  | NP       | 63.30                 | 78.12                 | 1987              | SI                  | Oil                |
| Ruf'yeganskoye   | OB       | 61.30                 | 77.59                 | 1982              | PP                  | Oil                |
| Rusanovskoye   | YA       | 73.40                 | 65.50                 | 1989              | SI                  | Gas                |
| Russkinskoye(Tevlin-Konitlor)                          | OB       | 75.40                 | 00.00                 | 1982              | SI                  | Oil                |
| Russkorechenskoye                                      | PT       | 67.14                 | 81.82                 | 1985              | SI                  | Oil                |
| Russkove   | PT       | 66.75                 | 80.44                 | 1968              | DV                  | Oil                |
| Russkoye Yuzhnoye                                      | PT       | 65.93                 | 80.38                 | 1969              | DV                  | Gas                |
| Ryamnoye   | OB       | 60.91                 | 76.75                 | 1989              | DV<br>DV            | Oas<br>Oil         |
| Rybalnoye  | VA       | 58.18                 | 79.83                 | 1988              | SI                  | Oil                |
| Sakhalinskoye (Tyumen)                                 | OB       | 61.41                 | 71.03                 | 1983              | SI                  | Oil                |
| Sakhalinskoye Vostochnoye                              | OB       | 61.51                 | 71.28                 | 1983              | SI                  | Oil                |
| Salekaptskoye  | PT       | 67.50                 | 78.30                 | 1986              | SI                  | Oil                |
| Salymskoye   | OB       | 60.00                 | 71.00                 | 1965              | DV                  | Oil                |
| Salymskoye Central                                     | OB       | 00.00                 | 71.00                 | 1905              | DV                  |                    |
| (Srednesalym)  | OB       | 60.00                 | 71.00                 | 1967              | PS                  | Oil                |
| Salymskoye Severnny                                    | OB       | 60.00                 | 71.00                 | 1978              | PS                  | Oil                |
| Salymskoye Vostochnoye                                 | OB       | 60.00<br>60.20        | 71.00                 | 1978              | SI                  | Oil                |
|  | OB       | 60.20                 | 70.93                 | 1989              | SI                  | Oil                |
| Salymskoye Zapadnoye<br>Samburgskoye Yuzhnoye          | UВ       | 00.51                 | 70.95                 | 1907              | 31                  |                    |
| (Urengoy)  | NP       | 66.81                 | 77.37                 | 1979              | SI                  | Oil                |
|  | NP       | 66.81                 | 77.37                 | 1979              | DV                  | Oil                |
| Samburgskoye (Urengoy)<br>Samotlorskoye (Vata, Megion, |          | 00.01                 | 11.31                 | 1975              | Dv                  | OII                |
|  |          |                       |                       |                   |                     |                    |
| Pokur Sev., Mykhpay,<br>Orekhovo Sev.)                 | ΩÞ       | 60.05                 | 76.07                 | 1061              | PS                  |                    |
| ,  |          | 60.95<br>66.76        | 76.37                 | 1961              |                     | Oil                |
| Sandibinskoye<br>Saporkinskoye                         | NP<br>OB | 66.76<br>61.72        | 73.20<br>72.18        | 1982<br>1982      | PP<br>SI            | Oil<br>Oil         |
| Sardakovskoye Yuzhnoye                                 | OB<br>OB | 62.18                 | 72.18                 | 1982              | SI                  | Oil                |
|  |          |                       |                       |                   |                     | Oil                |
| Savuyskoye   | OB       | 61.88                 | 73.78                 | 1971              | PS                  |                    |
| Saygataskoye   | OB       | 61.27                 | 72.89                 | 1966              | PS                  | Oil                |
| Selimkhanovskoye                                       | VA       | 57.87<br>62.72        | 80.18<br>76 56        | 1981              | SI                  | Oil                |
| Selivonikoye   | NP       | 62.73                 | 76.56                 | 1988              | SI                  | Oil                |
| Seliyarovskoye   | FR       | 61.50                 | 70.17                 | 4000              | SI                  | Oil                |
| Seliyarovskoye Severnoye                               | FR       | 61.81                 | 69.49                 | 1988              | SI                  | Oil                |
| Semakovskoye-Anderpayuta                               | GY       | 68.90                 | 75.53                 | 1971              | SI                  | Gas                |
|  |          |                       |                       |                   |                     |                    |

| (Continued)                   |          |                                | -                             |                   | -                   | -                  |
|-------------------------------|----------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                    | Region   | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
|                               |          |                                |                               |                   |                     |                    |
| Semividovskoye Vostochnoye    | UR       | 60.70                          | 65.19                         | 1967              | PS                  | Oil                |
| Severnoye                     | VA       | 60.76                          | 78.50                         | 1965              | PS                  | Oil                |
| Seyakhinskoye Zapadnoye       | YA       | 70.85                          | 70.86                         | 1989              | SI                  | Gas                |
| Shapshinskoye                 | OB       | 60.40                          | 70.30                         | 1981              | DV                  | Oil                |
| Shchuch'ye                    | OB       | 61.79                          | 76.88                         | 1986              | SI                  | Oil                |
| Sheburskoye Vostochnoye       | FR       | 60.32<br>58.31                 | 66.98                         | 1990              | SI                  | Oil                |
| Shinginskoye<br>Shirokovskoye | VA<br>OB | 58.31<br>61.39                 | 78.49<br>74.05                | 1971<br>1977      | SI<br>DV            | Oil<br>Oil         |
| Shirotnoye                    | KA       | 56.68                          | 80.78                         | 1988              | SI                  | Oil                |
| Shtomovoye                    | UKN      | 50.00                          | 00.70                         | 1988              | SI                  | Gas                |
| Shukhtungortskoye Vostochnn   |          | 62.32                          | 64.15                         | 1963              | DV                  | Gas                |
| Shukhtungortskoye Zapadnoye   |          | 62.45                          | 64.00                         | 1962              | DV                  | Gas                |
| Shukhtungortskoye             | UR       | 62.35                          | 63.84                         | 1962              | SI                  | Gas                |
| Shushminskoye                 | UR       | 61.22                          | 64.14                         | 1984              | PS                  | Oil                |
| Shushminskoye Severnoye       | UR       | 61.25                          | 64.32                         | 1992              | SI                  | Oil                |
| Shushminskoye Yuzhnoye        | UR       | 61.22                          | 64.14                         |                   | SI                  | Oil                |
| Siktorskoye Severnoye         | VA       | 62.03                          | 79.62                         | 1976              | SI                  | Oil                |
| Sil'ginskoye Severnoye        | PA       | 58.94                          | 80.12                         | 1971              | SI                  | Gas                |
| Slavinskove                   | UR       | 60.75                          | 64.50                         |                   | SI                  | Oil                |
| Smolyanoye                    | KA       | 57.35                          | 78.41                         | 1987              | SI                  | Oil                |
| Snezhnoye                     | PA       | 58.97                          | 79.78                         | 1983              | SI                  | Oil                |
| Sobolinoye                    | PA       | 58.46                          | 79.53                         | 1967              | PP                  | Oil                |
| Soimlorskoye Severnoye        | OB       | 63.34                          | 73.83                         | 1981              | DV                  | Oil                |
| Sokhtymskoye                  | OB       | 62.50                          | 72.35                         | 1990              | SI                  | Oll                |
| Soleninskoye Severnoye        |          |                                |                               |                   |                     |                    |
| (Ust Yenisey)                 | GY       | 69.24                          | 81.48                         | 1971              | PP                  | Gas                |
| Soleninskoye Yuzhno           |          |                                |                               |                   |                     | -                  |
| (Ust Yenisey)                 | GY       | 69.10                          | 81.70                         | 1969              | PP                  | Gas                |
| Soletskoye                    | GY       | 69.72                          | 75.21                         | 1984              | SI                  | Gas                |
| Solkinskoye Zapadnoye         | OB       | 61.35                          | 72.42                         | 1976              | PP                  | Oil                |
| Solonovskoye                  | KA       | 57.21                          | 78.99                         | 1986              | SI                  | Oil                |
| Sorominskoye                  | OB       | 61.20                          | 77.36                         | 1971              | PS                  | Oil                |
| Sorominskoye Severnoye        | OB       | 61.23                          | 77.42                         | 1971              | SI                  | Oil                |
| Sorominskoye Zapadnoye        | OB       | 61.26                          | 77.36<br>71.70                | 1971              | SI                  | Oil                |
| Sortymskoye<br>Sorymskoye     | OB<br>OB | 62.40                          | 71.70                         | 1992<br>1982      | SI<br>SI            | OII<br>Oil         |
| Sosnovomysskoye               | OB       |                                |                               | 1902              | 51                  | OI                 |
| (Krasnoleninskoye)            | FR       | 62.06                          | 66.41                         | 1975              | SI                  | Oil                |
| Sote-Yuganskoye Severnoye     | FR       | 62.30                          | 64.50                         | 1963              | PP                  | Gas                |
| Sote-Yuganskoye Yuzhnoye      | FR       | 62.19                          | 64.55                         | 1964              | PP                  | Gas                |
| Sote-Yuganskoye               | FR       | 62.25                          | 64.50                         | 1963              | SI                  | Gas                |
| Sovetskoye                    | OB       | 02.20                          | 01.00                         | 1962              | DV                  | Oil                |
| Sporishevskoye                | UKN      |                                |                               | 1993              | SI                  | OII                |
| Srede-Kharampurskoye          | PT       | 64.10                          | 73.63                         |                   | SI                  | Oil                |
| Sredne Khulymskoye            | OB       | 64.55                          | 71.29                         | 1989              | SI                  | Oil                |
| Sredne-Imurskoye              | UKN      |                                |                               | 1990              | SI                  | Oil                |
| Sredne-Iterskove              | OB       | 63.50                          | 74.67                         |                   | SI                  | Oil                |
| Sredne-Shapshinskoye          | OB       | 60.67                          | 70.33                         |                   | SI                  | Oil                |
| Sredne-Vasyuganskoye          | VA       | 59.13                          | 77.83                         | 1965              | PP                  | Oil                |
| Sredne-Vatlorskoye            | OB       | 63.19                          | 71.41                         | 1988              | SI                  | Oil                |
| Sredneasomkinskoye            | OB       | 61.00                          | 73.00                         | 1987              | PS                  | Oil                |
|                               |          |                                |                               |                   |                     |                    |

| (Continued)                 |          | North                 | East                  |                   |                     |                    |
|-----------------------------|----------|-----------------------|-----------------------|-------------------|---------------------|--------------------|
| Field Name                  | Region   | Latitude<br>(degrees) | Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Srednebalykskoye            | OB       | 60.53                 | 72.52                 | 1965              | PS                  | Oil                |
| Srednechernogorskoye        | OB       | 61.41                 | 76.78                 | 1986              | SI                  | Oil                |
| Srednekondinskoye           | UR       | 60.88                 | 63.83                 | 1982              | SI                  | Oil                |
| Srednenazymskoye            | FR       | 61.95                 | 68.34                 | 1978              | SI                  | Oil                |
| Srednenyurol'skoye          | VA       | 58.92                 | 77.87                 | 1965              | SI                  | Oil                |
| Srednesil'ginskoye          | PA       | 58.87                 | 80.14                 | 1962              | SI                  | Gas                |
| Sredneteterevskoye          | UR       | 60.70                 | 64.40                 | 1970              | PP                  | Oil                |
| Sredneugutskoye             | OB       | 60.50                 | 73.97                 | 1988              | SI                  | Oil                |
| Sredneyamalskoye            | YA       | 69.06                 | 71.16                 | 1970              | DV                  | Gas                |
| Sredniy Lykhmskoye          | FR       | 63.51                 | 66.44                 | 1982              | SI                  | Oil                |
| Sredniy Nazymskoye          | FR       | 61.98                 | 68.35                 | 1978              | SI                  | Oil                |
| Stakhanovskoye              | PT       | 63.41                 | 78.52                 | 1988              | SI                  | Oil                |
| Stakhanovskoye Severnoye    | PT       | 00.41                 | 10.52                 | 1500              | SI                  | Oil                |
| Stavropolskoye              | VA       |                       |                       | 1990              | SI                  | Oil                |
| Stolbovoye                  | KA       | 59.27                 | 76.57                 | 1986              | DV                  | Oil                |
| Strezhevoye                 | OB       | 60.79                 | 77.46                 | 1968              | PS                  | Oil                |
| Strezhevoye Vostochnoye     | OB       | 00.75                 | 77.40                 | 1500              | SI                  | Oil                |
| Studenoye                   | OB       | 61.84                 | 70.93                 | 1975              | SI                  | Oil                |
| Sugmutskoye                 | OB       | 63.84                 | 73.64                 | 1987              | SI                  | Oil                |
| Surgutskoye Severnoye       | OB       | 61.74                 | 73.44                 | 1963              | PS                  | Gas                |
| Surgutskoye Vostochny       | OD       | 01.74                 | 73.44                 | 1905              | 10                  | Cas                |
| (Federovo-Surgut)           | OB       | 61.70                 | 73.40                 | 1977              | SI                  | Oil                |
| Surgutskoye Yuzhnny         | OD       | 01.70                 | 73.40                 | 1311              | 01                  |                    |
| (Federovo)                  | OB       | 61.70                 | 73.40                 | 1973              | PS                  | Oil                |
| Surgutskoye Zapadnoye       | 0D       | 01.70                 | 75.40                 | 1975              | 10                  |                    |
| (Federovo-Surgut)           | OB       | 61.70                 | 73.40                 | 1962              | PS                  | Oil                |
| Surprinskoye Vostochnoye    | UR       | 61.25                 | 64.28                 | 1986              | SI                  | Oil                |
| Sutorlinskoye               | OB       | 61.30                 | 73.50                 | 1975              | DV                  | Oil                |
| Sutorminskoye               | NP       | 63.75                 | 74.55                 | 1975              | PS                  | Oil                |
| Sutorminskoye Yuzhnoye      | NP       | 63.48                 | 74.55                 | 1975              | SI                  | Oil                |
| Sutorminskoye Zapadnny      | NP       | 64.00                 | 74.78                 | 1900              | 51                  | Oil                |
| Suzunskoye                  | PT       | 68.34                 | 83.60                 | 1971              | SI                  | Oil                |
| Syadorskoye (Syadorakha)    | YA       | 71.60                 | 69.16                 | 1982              | SI                  | Gas                |
| Symor'yakhskoye             | UR       | 61.27                 | 64.46                 | 1982              | SI                  | Oil                |
|                             | FR       | 61.65                 | 69.45                 | 1988              | SI                  | Oil                |
| Syn'yeganskoye              | UR       | 62.90                 | 63.64                 | 1964              | SI                  | Gas                |
| Syskonsyninskoye            | UK       | 02.90                 | 03.04                 | 1901              | 31                  | Gas                |
| Syskonsynyaskoye            | UR       | 62.96                 | 63.92                 | 1961              | PP                  | Gas                |
| Vostochnaya                 | UR       |                       | 63.92<br>63.70        | 1961              | DV                  | Gas<br>Gas         |
| Syskonsynyaskoye Yuzhnaya   |          | 62.88<br>62.93        |                       | 1963              | DV<br>DV            | Gas<br>Gas         |
| Syskonsynyaskoye Zapadnaya  |          |                       | 63.69                 |                   | SI                  | Oil                |
| Tabaganskoye Yuzhnoye       | KA<br>KA | 57.29                 | 78.96<br>76.02        | 1983<br>1987      | SI                  | Oil                |
| Tagayskoye                  | NP       | 57.97<br>62.32        | 78.21                 | 1987              | PS                  | Oil                |
| Tagrinskoye                 |          |                       | 82.78                 |                   |                     |                    |
| Tagul'skoye<br>Tal'nikovoye | PT<br>UR | 67.75<br>60.97        | 82.78<br>63.66        | 1988<br>1989      | SI<br>SI            | Oil<br>Oil         |
|                             |          |                       |                       | 1969              |                     |                    |
| Talinskoye                  | FR       | 62.00                 | 66.55<br>66.50        | 1000              | SI                  | Oil                |
| Talinskoye Zapadnoye        | FR       | 62.00                 | 66.50<br>79.59        | 1992              | SI                  | Oil                |
| Tambayeyskoye Yuzhnoye      | KA       | 57.69                 | 78.58                 | 1986              | SI                  | Oil                |
| Tambeyskoye Severnoye       | YA       | 71.83                 | 71.55                 | 1982              | SI                  | Gas                |
| Tambeyskoye Yuzhnoye        | YA       | 71.21                 | 71.95                 | 1974              | DV                  | Gas                |
| Tambeyskoye Zapadnoye       | YA       | 71.54                 | 70.97                 | 1985              | SI                  | Gas                |
|                             |          |                       |                       |                   |                     |                    |

| (Continued)                            |        |                                | -                             |                   | -                   | -                  |
|--|--------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                             | Region | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Taplayakaya Yuzhaaya                   | NP     | 64.49                          | 75.00                         | 1076              | PP                  |                    |
| Tanlovskoye Yuzhnoye                   | NP     | 64.49<br>66.88                 | 75.20<br>73.80                | 1976<br>1987      | SI                  | Oil                |
| Tanusalinskoye<br>Taplorskoye          | OB     | 61.92                          | 73.80<br>72.67                | 1987              | SI                  | Gas<br>Oil         |
| Tapskoye                               | PT     | 64.58                          | 78.82                         | 1978              | SI                  | Oil                |
| Tarasovskoye                           | ГТ     | 04.50                          | 70.02                         | 1900              | 51                  | Oli                |
| (Ayvasedopurskoye)                     | NP     | 64.47                          | 77.73                         | 1967              | PS                  | Oil                |
| Tarkhovskoye Severnoye                 | OB     | 61.17                          | 77.20                         | 1981              | SI                  | Oil                |
| Tarkhovskoye Yuzhnoye                  | OB     | 61.10                          | 77.07                         | 1981              | SI                  | Oil                |
| Tarkhovskoye Zapadnoye                 | OB     | 61.11                          | 77.08                         | 1987              | SI                  | Oil                |
| Tarko-Sale Vostochnoye                 | NP     | 65.05                          | 78.10                         | 1971              | DV                  | Gas                |
| Tarko-Sale Yuzhnoye                    | NP     | 63.97                          | 78.59                         | 1984              | SI                  | Oil                |
| Tarko-Sale Zapadnoye                   | NP     | 64.79                          | 77.20                         | 1972              | PP                  | Gas                |
| Tarskoye Vostochnoye                   | KA     | 56.86                          | 78.86                         | 1986              | SI                  | Oil                |
| Tasiyskoye                             | YA     | 71.98                          | 72.01                         | 1988              | SI                  | Gas                |
| Tavlovskoye Yuzhnoye                   | NP     | 64.57                          | 75.08                         |                   | SI                  | Oil                |
| Tay-Dasskoye (Dasskoye)                | KA     | 56.73                          | 79.13                         | 1971              | SI                  | Oil                |
| Tay-Dasskoye Vostochnoye               | KA     | 56.68                          | 79.22                         |                   | SI                  | Oil                |
| Taybinskoye (Lyantor)                  | OB     | 61.87                          | 72.13                         | 1968              | SI                  | Gas                |
| Taylakovskoye                          | KA     | 59.14                          | 74.11                         | 1964              | SI                  | Oil                |
| Taytymskoye                            | FR     | 57.96                          | 73.45                         | 1975              | SI                  | Oil                |
| Tazskoye                               | PT     | 67.39                          | 78.92                         | 1962              | PP                  | Oil                |
| Tazovskoye Vostochnoye                 | PT     | 67.32                          | 79.63                         | 1980              | SI                  | Gas                |
| Tekto-Kharampur                        | PT     | 63.87                          | 79.83                         | 1990              | SI                  | Oil                |
| Teplin-Russkin                         | OB     | 62.25                          | 73.50                         | 1990              | PP                  | Oil                |
| Teplovskoye                            | OB     | 60.76                          | 72.47                         | 1966              | PS                  | Oil                |
| Terel'skoye                            | PT     | 64.38                          | 80.04                         | 1986              | SI                  | Gas                |
| Termokarstovoye                        | PT     | 65.43                          | 82.54                         | 1988              | SI                  | Gas                |
| Teterevo-Mortyminskoye                 | UR     | 60.41                          | 64.63                         | 1961              | PS                  | Oil                |
| Teterevskoye Severnoye                 |        | 00.44                          | 04.07                         | 4000              |                     |                    |
| (Mortym)                               | UR     | 60.41                          | 64.97                         | 1968              | PP                  | Oil                |
| Teterevskoye Vostochnoye<br>(Mortymin) | UR     | 60.41                          | 64.97                         | 1964              | PS                  | Oil                |
| Teterevskoye Yuzhnoye                  | UK     | 00.41                          | 04.97                         | 1904              | гJ                  | Oli                |
| (Mortymin)                             | UR     | 60.33                          | 64.83                         | 1963              | PS                  | Oil                |
| Tevlin-Konitlorskoye                   | OB     | 62.50                          | 73.68                         | 1903              | PS                  | Oil                |
| Tevlinskoye                            | OB     | 62.51                          | 73.65                         | 1972              | SI                  | Oil                |
| Tevrizskoye                            | FR     | 57.55                          | 72.29                         | 1971              | SI                  | Gas                |
| Tevrizskoye Vostochnoye                | FR     | 57.52                          | 72.30                         |                   | SI                  | Gas                |
| Tochinskoye                            | OB     | 62.18                          | 72.25                         | 1989              | SI                  | Oil                |
| Tolkinskoye                            | PT     | 64.33                          | 82.28                         | 1989              | SI                  | GC                 |
| Tolumskoye Vostochnoye                 | UR     | 60.56                          | 65.29                         | 1967              | PP                  | Oil                |
| Tolumskove Semividovskove              | UR     | 60.75                          | 65.33                         | 1966              | PS                  | Oil                |
| Tolumskoye Servernoye                  | UR     | 60.75                          | 65.33                         | 1966              | PS                  | Oil                |
| Tolumskoye Yuzhnoye                    | UR     | 60.75                          | 65.33                         | 1966              | PS                  | Gas                |
| Tonchinskoye                           | OB     |                                |                               | 1989              | SI                  | Oil                |
| Tortasinskoye                          | FR     | 62.19                          | 69.59                         | 1989              | SI                  | Oil                |
| Totayakhinskoye                        | GY     | 69.14                          | 76.52                         | 1984              | DV                  | Gas                |
| Travyanoye                             | KA     | 59.08                          | 74.05                         |                   | SI                  | Oil                |
| Trekhbugornoye                         | GY     | 69.56                          | 74.39                         | 1990              | SI                  | Gas                |
| Trekhozernoye                          | UR     | 60.21                          | 64.70                         | 1960              | PS                  | Oil                |
| Trekhozernoye Severnoye                | UR     | 60.21                          | 64.70                         | 1969              | PS                  | Oil                |
|  |        |                                |                               |                   |                     |                    |

| (Continued)  |        | North                 | East                          |                   |                     |                    |
|--|--------|-----------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name   | Region | Latitude<br>(degrees) | Last<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
|  | Region | (degrees)             | (degrees)                     | Date              | Status              | TTOddet            |
| Triyurtinskoye   | UKN    |                       |                               | 1988              | SI                  | Oil                |
| Triyurtinskoye Vostochnoye   | UKN    |                       |                               | 1988              | SI                  | Oil                |
| Trom-Yeganskoye  | OB     | 63.00                 | 71.86                         | 1986              | SI                  | Oil                |
| Trom-Yeganskoye Severnoye  |        | 63.40                 | 71.50                         | 1993              | SI                  | Oil                |
| Trom-Yeganskoye  | 01     | 00110                 |                               |                   | •                   | •                  |
| Vostochnoye  | OB     | 61.37                 | 74.57                         | 1988              | SI                  | Oil                |
| Tsentralnoye   | 02     | 01101                 | 1 1101                        | 1000              | 0.                  | 01                 |
| (Khanty-Mansiyskoye)   | FR     | 62.62                 | 67.55                         | 1987              | SI                  | Oil                |
| Tugiyanskoye   | UR     | 63.62                 | 65.80                         | 1960              | SI                  | Gas                |
| Tugrovskoye Severnoye  | FR     | 61.88                 | 64.75                         | 1992              | SI                  | Oil                |
| Tugrovskoye Vostochnoye  | FR     | 61.70                 | 64.80                         | 1989              | SI                  | Gas                |
| Tugrovskoye Zapadnoye  | FR     | 01110                 | 0 1100                        | 1000              | SI                  | Oil                |
| Tukanskoye   | KA     | 59.82                 | 72.39                         | 1963              | SI                  | Oil                |
| Tul'yeganskoye   | VA     | 61.35                 | 77.90                         | 1983              | SI                  | Oil                |
| Tumannoye  | FR     | 61.85                 | 70.38                         | 1974              | SI                  | Oil                |
| Tundrinskoye   | OB     | 61.27                 | 72.08                         | 1981              | SI                  | Oil                |
| Tungolskoye  | VA     | 60.33                 | 80.49                         | 1973              | SI                  | Oil                |
| Tunkorskoye  | FR     | 62.36                 | 68.30                         | 1989              | SI                  | Oil                |
| Tutlimskoye (Tutlym)   | OB     | 62.05                 | 72.07                         | 1966              | DV                  | Oil                |
| Tyanovskoye  | OB     | 62.98                 | 72.34                         | 1986              | DV                  | Oil                |
| Tyumenskoye  | OB     | 61.65                 | 77.62                         | 1900              | PS                  | Oil                |
| Ubinskoye  | UR     | 60.74                 | 64.87                         | 1964              | PP                  | Oil                |
| Ubinskoye Lesser   | UR     | 60.82                 | 64.83                         | 1967              | PP                  | Oil                |
| Ubinskoye Servenoye  | UR     | 60.82                 | 64.83                         | 1964              | PP                  | Oil                |
| Ubinskoye Yuzhnoye   | UR     | 60.82                 | 64.83                         | 1965              | PP                  | Oil                |
| Ubinskoye Zapadnoye  | UR     | 60.82                 | 64.83                         | 1965              | PP                  | Oil                |
| Udachnoye  | OB     | 60.82<br>60.50        | 71.83                         | 1900              | SI                  | Oil                |
|  | UKN    | 00.50                 | 71.05                         | 1992              | SI                  | Oil                |
| Udmurtskoye Yuzhnoye<br>Ugutskoye  | ORN    | 60.49                 | 74.13                         | 1992              | PS                  | Oil                |
| <b>o i</b>   | OB     | 60.49<br>60.46        | 74.13                         | 1985              | PP                  | Oil                |
| Ugutskoye Zapadnoye  | NP     |                       |                               | 1982              | PP                  | Oil                |
| Umseyskoye   | NP     | 64.08<br>64.19        | 74.39<br>74.61                | 1982              | SI                  | Oil                |
| Umseyskoye Vostochnoye   |        | 04.19                 | 74.01                         |                   | SI                  | Oil                |
| Unlorskoye   |        | 66.95                 | 75.00                         | 1989              | SI                  |                    |
| Urengoyskoye (Pestsovoye)<br>Urengoyskoye (Samburg,<br>Yevo-Yakha,Yen-Yakha, | NP     | 00.95                 | 75.36                         | 1970              | 51                  | Gas                |
| Urengoy Sev.,Pestsovoye)   | NP     | 66.05                 | 76.95                         | 1966              | PP                  | Gas                |
| Urengoyskoye Severnoye   | NP     | 67.54                 | 76.55                         | 1970              | PP                  | Gas                |
| Urengoyskoye Vostochnoye   | NP     | 66.08                 | 77.49                         | 1978              | UKN                 | Gas                |
| Urmanskoye   | KA     | 57.62                 | 78.45                         | 1974              | SI                  | Oil                |
| Urnenskove   | KA     | 58.66                 | 73.38                         | 1970              | SI                  | Oil                |
| Uryevskoye(-Potochnoye)  |        |                       |                               |                   |                     |                    |
| (Pokachev-Ur'yev)  | OB     | 61.42                 | 75.45                         | 1971              | PS                  | Oil                |
| Usanovskoye  | KA     | 58.56                 | 73.68                         | 1971              | SI                  | Oil                |
| Ust Chaselskoye  | PT     | 65.12                 | 81.10                         | 1981              | SI                  | Oil                |
| Ust Kharampur  | PT     | 64.30                 | 78.19                         | 1983              | PP                  | Oil                |
| Ust'-Sil'ginskoye  | PA     | 58.87                 | 80.00                         | 1961              | SI                  | Gas                |
| Ust-Balyk Zapadnoye  | OB     | 61.10                 | 72.35                         | 1985              | SI                  | Oil                |
| Ust-Balyk-Mamontovo  | OB     | 61.09                 | 72.57                         | 1961              | PS                  | Oil                |
| Ust-Kotukhtinskoye   | OB     | 62.50                 | 76.00                         | 1990              | SI                  | Oil                |
| Ust-Koyukhtaskoye  | OB     |                       |                               |                   | SI                  | Oil                |
| , , -  |        |                       |                               |                   |                     |                    |

| (Continued)                      |        |                                | -                             | -                 |                     | -                  |
|----------------------------------|--------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                       | Region | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Ust-Yuribeyskoye                 | YA     | 68.86                          | 70.07                         | 1989              | SI                  | Gas                |
|                                  | GY     | 70.95                          | 70.07<br>74.63                | 1989              | DV                  | Gas                |
| Utrenneye<br>Utrenneye Severnoye | GY     | 70.95                          | 74.03                         | 1980              | SI                  | Gas                |
| Uzbekskoye                       | UR     | 60.27                          | 64.22                         | 1979              | PP                  | Oil                |
| Uzbekskoye Severnoye             | UR     | 60.27                          | 64.22                         | 1988              | PP                  | Oil                |
| Uzbekskoye-Sredne-Chancha        |        | 60.53                          | 64.22                         | 1988              | PS                  | Oil                |
| Uzbelskoye Yuzhnoye              | UR     | 60.33<br>60.27                 | 64.22                         | 1988              | SI                  | Oil                |
| Vachimskoye                      | OB     | 61.81                          | 72.62                         | 1971              | PS                  | Oil                |
| Vadelypskoye                     | OB     | 60.15                          | 71.06                         | 1989              | SI                  | Oil                |
| Vakh River                       | VA     | 00.10                          | 71.00                         | 1965              | DV                  | Oil                |
| Vakh Severnoye                   | VA     | 60.98                          | 78.96                         | 1967              | SI                  | Oil                |
| Vakh Yuzhnoye                    | VA     | 60.85                          | 78.98                         | 1507              | SI                  | Oil                |
| Valyuninskoye Vosstochnoye       | UKN    | 00.00                          | 10.00                         | 1988              | SI                  | Oil                |
| Van'yeganskoye                   | NP     | 61.85                          | 77.23                         | 1974              | PS                  | Oil                |
| Vankorskoye                      | UKN    | 01.00                          | 11.20                         | 1990              | SI                  | Oil                |
| Var'yeganskoye                   | NP     | 62.11                          | 77.57                         | 1967              | PS                  | Oil                |
| Var'yeganskoye Severnoye         | NP     | 62.44                          | 77.40                         | 1971              | PS                  | Oil                |
| Var'yeganskoye Yuzhnoye          | NP     | 62.20                          | 76.73                         | 1982              | SI                  | Oil                |
| Var'yeganskoye Zapadnoye         | NP     | 62.31                          | 76.69                         | 1981              | PS                  | Oil                |
| Vartov-Sovetskoye                | OB     | 60.81                          | 77.09                         | 1962              | PS                  | Oil                |
| Vartovskoye                      | VA     | 60.28                          | 79.88                         | 1968              | SI                  | Oil                |
| Vartovskoye-Sosino               | OB     | 60.77                          | 77.35                         | 1962              | DV                  | Oil                |
| Varyngskoye                      | PA     | 62.67                          | 80.17                         | 1002              | SI                  | Oil                |
| Vasyuganskoye Severnoye          | VA     | 59.37                          | 78.38                         | 1964              | PP                  | Gas                |
| Vaťyeganskoye                    | OB     | 62.15                          | 75.32                         | 1970              | PP                  | Oil                |
| Vaťyeganskoye Severnoye          | OB     | 62.40                          | 75.30                         | 1983              | SI                  | Oil                |
| Vaťyeganskoye Yuzhnoye           | OB     | 62.03                          | 75.02                         | 1971              | DV                  | Oil                |
| Vataskoye                        | OB     | 61.17                          | 75.78                         |                   | SI                  | Oil                |
| Vataskoye Severnaya              | OB     | 61.20                          | 75.80                         | 1980              | PP                  | Oil                |
| Vatinskoye                       | OB     | 61.25                          | 75.90                         | 1964              | PS                  | Oil                |
| Vengapur                         | NP     | 63.09                          | 76.59                         | 1968              | PP                  | Gas                |
| Vengapur Severnoye               | NP     | 63.20                          | 76.70                         | 1992              | SI                  | Oil                |
| Vengapur Yuzhnoye                | NP     | 62.63                          | 76.82                         | 1973              | PP                  | Oil                |
| Vengapur Zapadnoye               | NP     | 63.17                          | 76.35                         | 1992              | SI                  | Oil                |
| Vengayakha                       |        |                                |                               |                   |                     |                    |
| (Vengayakha Vost.)               | NP     | 63.97                          | 76.90                         | 1968              | PS                  | Gas                |
| Verkhne Chasel'kaskoye           | PT     | 65.20                          | 80.40                         | 1980              | SI                  | Oil                |
| Verkhne Nadymskoye               | OB     | 63.40                          | 72.88                         | 1992              | SI                  | Oil                |
| Verkhne-Kolikyeganskoye          | PT     | 62.42                          | 80.15                         | 1981              | PS                  | Oil                |
| Verkhne-Lyaminskoye              |        |                                |                               |                   |                     |                    |
| (Upper Lyama)                    | FR     | 62.15                          | 70.54                         | 1970              | SI                  | Oil                |
| Verkhne-Salatskoye               | VA     | 58.48                          | 78.04                         | 1967              | SI                  | Oil                |
| Verkhnekambarskoye               | VA     | 57.50                          | 80.28                         | 1971              | SI                  | Gas                |
| Verkhnelem'inskoye               | UR     | 61.09                          | 64.13                         | 1966              | PS                  | Oil                |
| Verkhnepurpey                    | NP     | 64.57                          | 75.50                         | 1976              | PP                  | Gas                |
| Verkhnesalymskoye                | OB     | 59.99                          | 70.97                         | 1966              | DV                  | Oil                |
| Verkhneshapshinskoye             | OB     | 60.82                          | 70.34                         | 1972              | SI                  | Oil                |
| Verkhnesuprinskoye               | UR     | 61.25                          | 64.30                         | 1986              | SI                  | Oil                |
| Verkhnetarskoye                  | KA     | 56.74                          | 78.75                         | 1971              | PP                  | Oil                |
| Verkhnetiuteyskoye               | YA     | 70.77                          | 69.89                         | 1982              | SI                  | Gas                |
| Verkhniy Kazymskoye              | FR     |                                |                               |                   | SI                  | Oil                |
|                                  |        |                                |                               |                   |                     |                    |

| (Continued)                           |        | North                 | East                          |                   |                     |                    |
|---------------------------------------|--------|-----------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name                            | Region | Latitude<br>(degrees) | Last<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Vorkhniu Kozymakova                   | OB     | 63.60                 | 70.93                         | 1990              | SI                  | Oil                |
| Verkhniy Kazymskoye                   | UR     | 63.60<br>61.40        | 63.88                         | 1990              | SI                  | Gas                |
| Verkhnyaya Kondaskoye                 | OB     | 61.40<br>61.57        | 63.66<br>73.07                | 1963              | DV                  | Oil                |
| Vershinnoye<br>Veselovskoye           | KA     | 56.52                 | 78.15                         | 1964              | SI                  | Gas                |
| Vesennee                              | KA     | 56.52<br>59.08        | 76.15                         | 1965              | SI                  | Oil                |
|                                       | KA     | 59.06                 | 76.00                         | 1975              | SI                  | Oil                |
| Vesenneye Zapadnoye                   | OB     | 60.50                 | 71.50                         |                   | SI                  | Oil                |
| Vladigorskoye Yuzhnoye<br>Vonterskoye | VA     | 61.75                 | 79.13                         | 1982              | SI                  | Oil                |
|                                       | KA     | 56.70                 | 79.13                         | 1982              | SI                  | Oil                |
| Vostochnoye(Novosibirsk)<br>Vyintoy   | OB     | 62.90                 | 79.29<br>75.78                | 1982              | SI                  | Oil                |
| Vyintoy Vostochnoye                   | OB     | 62.90<br>62.86        | 75.93                         | 1982              | SI                  | Oil                |
| Vyintoy Yuzhnoye                      | OB     | 62.80                 | 75.93<br>75.80                | 1988              | SI                  | Oil                |
|                                       | OB     |                       |                               | 1900              | SI                  | Oil                |
| XXVII CPSU Congress                   | OB     | 60.68<br>62.36        | 74.53<br>74.32                | 1070              | PS                  | Oil                |
| Yagunskoye                            |        |                       |                               | 1978              | PS<br>DV            |                    |
| Yagunskoye Severnoye                  | OB     | 62.70                 | 74.45                         | 1982              |                     | Oil                |
| Yagunskoye Vostochnoye                | OB     | 62.16                 | 74.34                         | 1982              | SI                  | Oil                |
| Yagunskoye Yuzhnoye                   | OB     | 62.20                 | 74.30                         | 1979              | PS                  | Oil                |
| Yagyl'yakh                            | KA     | 57.74                 | 75.20                         | 1982              | SI                  | Oil                |
| Yakhlaskoye                           | UR     | 61.40                 | 65.43                         | 1971              | PS                  | Oil                |
| Yakhturskoye Severnoye                | PT     | 63.75                 | 79.00                         | 4000              | SI                  | Oil                |
| Yamburgskoye                          | NP     | 67.98                 | 75.84                         | 1969              | PP                  | Gas                |
| Yamskoye                              | OB     | 60.33                 | 71.50                         | 1070              | SI                  | Oil                |
| Yamsovey                              | NP     | 65.56                 | 75.32                         | 1970              | DV                  | Gas                |
| Yangtaskoye Severnaya                 | NP     | 64.23                 | 74.94                         | 1985              | SI                  | Oil                |
| Yaraynerskoye                         | NP     | 63.17                 | 77.79                         | 1973              | PP                  | Oil                |
| Yaraynerskoye Severnoye               | NP     | 63.17                 | 77.90                         | 1987              | SI                  | Oil                |
| Yaraynerskoye Vostochnoye             | NP     | 63.08                 | 77.89                         | 1987              | SI                  | Oil                |
| Yaraynerskoye Yuzhnoye                | NP     | 62.75                 | 78.01                         | 1988              | SI                  | Oil                |
| Yareyskoye                            | NP     | 65.18                 | 75.85                         | 1989              | SI                  | Gas                |
| Yarovoye                              | PT     | 66.00                 | 79.50                         | 1991              | SI                  | Gas                |
| Yaroyakhskoye                         | PT     | 66.23                 | 78.75                         | 1984              | PP                  | Gas                |
| Yaunlorskoye                          | OB     | 61.52                 | 72.93                         | 1967              | PS                  | Oil                |
| Yefremovo                             | OB     | 60.60                 | 73.00                         | 1989              | PP                  | Oil                |
| Yegur'yakh                            | OB     | 61.72                 | 76.40                         | 1988              | SI                  | Oil                |
| Yegur'yakh Severnoye                  | OB     | 61.77                 | 76.31                         | 1987              | SI                  | Oil                |
| Yegur'yakh Yuzhnoye                   | OB     | 61.70                 | 76.27                         | 1990              | SI                  | Oil                |
| Yelizarovskoye                        |        | 04.40                 | 07 77                         | 4000              |                     | 0.1                |
| (Krasnoleninskoye)                    | FR     | 61.48                 | 67.77                         | 1963              | SI                  | Oil                |
| Yelleyskoye(Yelley)                   | KA     | 57.60                 | 77.68                         | 1983              | SI                  | Oil                |
| Yelovoye Vostochnoye                  | OB     | 61.37                 | 74.09                         | 1987              | PP                  | Oil                |
| Yemyegovskoye                         |        | o 4                   | 00.40                         | 1071              | 51/                 | 0.1                |
| (Krasnoleninskoye)                    | FR     | 61.75                 | 66.42                         | 1971              | DV                  | Oil                |
| Yendryskoye                           | FR     | 59.97                 | 69.28                         | 1992              | SI                  | Oil                |
| Yenyakha                              | NP     | 67.00                 | 76.50                         | 1976              | SI                  | Oil                |
| Yermakovo                             | OB     | 60.79                 | 76.09                         | 1974              | PS                  | Oil                |
| Yermakovo Severnoye                   | OB     | 60.80                 | 76.10                         |                   | SI                  | Oil                |
| Yershovskoye (Tyumen)                 | OB     | 61.13                 | 77.79                         | 1979              | PS                  | Oil                |
| Yesetinskoye                          | PT     | 66.42                 | 77.58                         |                   | SI                  | Oil                |
| Yesetinskoye Severnoye                | PT     | 66.50                 | 77.50                         |                   | SI                  | Oil                |
| Yetypurskoye                          | NP     | 63.95                 | 77.63                         | 1971              | DV                  | Gas                |
| Yevo-Yakha                            | NP     | 65.85                 | 77.30                         | 1980              | SI                  | Gas                |

| (Continued)             |        |                                |                               |                   |                     |                    |
|-------------------------|--------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Field Name              | Region | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
| Yubileynoye (Tyumen)    | NP     | 65.99                          | 75.76                         | 1969              | PP                  | Gas                |
| Yubileynoye Vostochnoye | NP     | 65.88                          | 76.17                         | 1988              | SI                  | Gas                |
| Yugansk                 | OB     | 00.00                          |                               | 1975              | SI                  | Oil                |
| Yumantyl'               | NP     | 65.06                          | 72.89                         | 1988              | SI                  | Oil                |
| Yur'yevskoye Severnoye  | OB     | 61.99                          | 72.98                         | 1988              | SI                  | Oil                |
| Yurkharovskoye          | NP     | 67.78                          | 77.08                         | 1970              | SI                  | Gas                |
| Yutym Severnoye         | KA     | 59.00                          | 74.16                         | 1989              | SI                  | Oil                |
| Yutyrmalskoye           | PT     | 64.82                          | 81.41                         | 1988              | SI                  | Gas                |
| Yuzhnoye-1              | OB     | 60.63                          | 75.91                         | 1986              | PP                  | Oil                |
| Yuzhnoye-2              | OB     | 60.62                          | 76.01                         | 1987              | SI                  | Oil                |
| Zaozernoye              | FR     | 59.97                          | 68.10                         | 1987              | SI                  | Oil                |
| Zapolyarnoye            | PT     | 66.87                          | 79.63                         | 1965              | DV                  | Gas                |
| Zapolyarnoye Zapadnoye  | PT     | 66.70                          | 78.78                         | 1979              | SI                  | Gas                |
| Zimneyeskoye            | GY     | 69.20                          | 83.70                         | 1977              | DV                  | Gas                |

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned, UKN=Unknown, GC=Gas Condensate, YA=Yamal, GY=Gydan, NP=Nadym-Pur, PT=Pur-Taz, FR=Frolov, UR=Urals, KA=Kaymysov, VA=Vasyugan, PA=Padugin, OB=Middle Ob. Alternate field names or field combinations in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

| Basin (Sorted Alphabetic                         | Ultimate<br>Crude Oil | Associated-<br>Disolved Gas | Nonassociated<br>Gas | Condensate |
|--|-----------------------|-----------------------------|----------------------|------------|
| Field Name                                       | (million              | (billion (billion           | (million             | horrolo)   |
| Field Name                                       | barrels)              | cubic feet)                 | cubic feet)          | barrels)   |
| Achimovskova (Achimov)                           | 210.42                | 62.75                       |                      |            |
| Achimovskoye (Achimov)<br>Aganskoye              | 1792.72               | 62.75<br>523.33             |                      |            |
|  | 12.74                 | 4.00                        |                      |            |
| Aganskove Yuzhnove                               |                       |                             |                      |            |
| Aganskoye Zapadnoye                              | 1.53                  | 0.48                        | 15.00                |            |
| Akaytemskoye<br>Alekhinskoye                     | 651.33                | 194.60                      | 15.00                |            |
|  | 11.37                 | 3.24                        |                      |            |
| Alenkinskoye<br>Alyasovskoye Severnoye           | 11.37                 | 3.24                        | 36.18                | 0.44       |
| Alyasovskoye Severnoye<br>Alyasovskoye Yuzhnoye  |                       |                             | 48.52                | 0.44       |
| Anomalnoye                                       | 2.00                  | 1.00                        | 40.02                | 0.55       |
| Antipayutaskoye                                  | 2.00                  | 1.00                        | 12294.01             |            |
|  | 80.02                 | 62 52                       | 12294.01             |            |
| Apakapurskoye                                    | 80.93<br>51.92        | 63.53<br>14.07              |                      |            |
| Aprel'skoye<br>Archinskoye                       | 51.92<br>59.72        | 22.04                       |                      |            |
| Ariolskove                                       | 38.56                 | 14.65                       |                      |            |
| Arkticheskoye                                    | 30.00                 | 14.05                       | 7831.83              | 77.07      |
| Asomkinskoye                                     | 22.95                 | 6.24                        | 1031.03              | 11.01      |
| Asomkinskoye Vostochnoye                         | 7.56                  | 2.81                        |                      |            |
| Asomkinskoye Yuzhnoye                            | 10.40                 | 2.81                        |                      |            |
| Asomkinskoye Tuzinioye<br>Asomkinskoye Zapadnoye | 88.08                 | 36.55                       |                      |            |
| Ay-Yaunskoye                                     | 524.22                | 89.12                       | 790.74               |            |
| Ayeganskoye                                      | 33.74                 | 22.82                       | 730.74               |            |
| Aykuruskoye                                      | 144.08                | 54.46                       |                      |            |
| Aypim Lobat-Yuganskoye (Ai Pim)                  | 486.10                | 61.94                       |                      |            |
| Ayvasedopurskoye Severnoye                       | 400.10                | 01.54                       |                      |            |
| (Tarasovskoye Sev.)                              | 46.20                 | 36.54                       |                      |            |
| Bakhilovskoye                                    | 315.72                | 178.49                      |                      |            |
| Balykskoye Yuzhnoye                              | 317.37                | 93.10                       |                      |            |
| Barsukovskoye                                    | 011.01                | 00.10                       | 4531.10              | 222.02     |
| Barsukov Zapadnoye                               | 2.49                  | 2.23                        | 1001110              | 222.02     |
| Baydaratskoye                                    | 2.10                  | 2.20                        | 344.72               |            |
| Beloyarskoye                                     |                       |                             | 65.27                | 1.91       |
| Beregovoye                                       | 130.13                | 102.15                      | 5777.28              |            |
| Berezovskoye (Tyumen)                            |                       |                             | 336.47               | 3.70       |
| Bittemskoye                                      | 74.13                 | 21.94                       | 000111               | 0110       |
| Bol'shoye  | 131.39                | 65.35                       |                      |            |
| Bol'shoye Kruzenshternskoye                      | 101100                | 00100                       |                      |            |
| (Kruzenshternskoye)                              |                       |                             | 20287.40             |            |
| Boloshekotukhtinskoye(Kotukhta)                  | 19.90                 | 5.23                        | _0_01110             |            |
| Bovanenkoskoye                                   |                       |                             | 99681.21             | 217.10     |
| Bovanenkoskoye Severnoye                         |                       |                             | 194.03               |            |
| Bovanenkoskoye Vostochnoye                       |                       |                             | 892.22               |            |
| Bugornaya-Vostochnaya                            |                       |                             | 174.70               |            |
| Bystrinskoye (Bystrin)                           | 1261.34               | 250.17                      |                      |            |
| Chakhloneyskoye                                  | 2.37                  | 0.74                        |                      |            |
| Chancharskoye Severnoye                          | 12.51                 | 4.35                        |                      |            |
| Chaselskoye Severnoye                            | 12.01                 |                             | 241.86               |            |
| Chatylkynskoye                                   | 52.51                 | 29.57                       | 211.00               |            |
| Chebachyeskoye                                   | 297.55                | 109.80                      |                      |            |
| Cheremshanskoye Yuzhnoye                         | 20.24                 | 3.95                        |                      |            |

| Basin (Sorted Alphabetically by Field Name) (Continued) |           |                   |               |            |  |  |  |
|---|-----------|-------------------|---------------|------------|--|--|--|
|   | Ultimate  | Associated-       | Nonassociated |            |  |  |  |
|   | Crude Oil | Disolved Gas      | Gas           | Condensate |  |  |  |
|   | (million  | (billion (billion | (million      |            |  |  |  |
| Field Name  | barrels)  | cubic feet)       | cubic feet)   | barrels)   |  |  |  |
|   |           |                   |               |            |  |  |  |
| Chernichnoye  | 26.91     | 15.25             |               |            |  |  |  |
| Chernogorskoye  | 199.52    | 74.97             |               |            |  |  |  |
| Chistinnoye   | 61.05     | 16.02             |               |            |  |  |  |
| Chkalovskoye  | 23.57     | 15.24             | 221.77        | 4.44       |  |  |  |
| Chuelskoye  |           |                   | 174.13        | 1.92       |  |  |  |
| Chukhlorskoye   | 22.13     | 8.94              |               |            |  |  |  |
| Chumpaskoye   | 205.63    | 52.93             |               |            |  |  |  |
| Chupal'skoye  | 241.87    | 68.93             |               |            |  |  |  |
| Chupal'skoye Severnoye                                  | 160.20    | 45.66             |               |            |  |  |  |
| Chvorovoye (Vasyuganskiy)                               | 3.81      | 1.44              |               |            |  |  |  |
| Danilovskoye  | 89.21     | 28.73             |               |            |  |  |  |
| Danilovskoye Severnoye                                  | 12.51     | 4.35              |               |            |  |  |  |
| Danilovskoye Vostochnoye                                | 12.51     | 4.35              |               |            |  |  |  |
| Danilovskoye Zapadnoye                                  | 12.51     | 4.35              |               |            |  |  |  |
| Dekabr'skoye  | 4.17      | 1.70              |               |            |  |  |  |
| Deminskoye  | 4.17      | 1.70              | 149.82        | 1.78       |  |  |  |
| Demyanskoye Severnoye                                   | 20.66     | 3.39              | 149.02        | 1.70       |  |  |  |
|   |           |                   |               |            |  |  |  |
| Dobrovol'skoye  | 54.08     | 26.93             |               |            |  |  |  |
| Druzhnoye   | 1354.11   | 264.67            |               |            |  |  |  |
| Duklinskoye   | 27.37     | 10.35             |               |            |  |  |  |
| Dunayevskoye  | 24.55     | 7.71              |               |            |  |  |  |
| Dvoynoye  | 5.01      | 1.89              | (=0.00        |            |  |  |  |
| Em-Yakhtinskoye   |           |                   | 478.28        |            |  |  |  |
| Enitorskoye   | 39.05     | 14.76             |               |            |  |  |  |
| Enitorskoye Yuzhnoye                                    | 11.17     | 6.87              |               |            |  |  |  |
| Erginskoye  | 94.61     | 14.76             |               |            |  |  |  |
| Erginskoye Vostochnoye                                  | 255.96    | 73.79             |               |            |  |  |  |
| Fainskoye   | 132.04    | 48.99             |               |            |  |  |  |
| Fedorovskoye  | 1792.45   | 808.46            | 1133.65       | 20.41      |  |  |  |
| Fedyushkinskoye   | 113.32    | 13.37             |               |            |  |  |  |
| Fedyushkinskoye Severnoye                               | 2.71      | 0.35              |               |            |  |  |  |
| Festivalnoye (Tomsk)(Aykagol'skoye)                     | 236.55    | 52.08             |               |            |  |  |  |
| Festivalnoye (Tyumen)(Kamy)                             | 40.16     | 8.83              |               |            |  |  |  |
| Festivalnoye Yuzhno                                     | 7.36      | 2.78              |               |            |  |  |  |
| Filippovskoye   | 10.58     | 3.33              |               |            |  |  |  |
| Fobosskove  | 38.07     | 12.60             |               |            |  |  |  |
| Frolovskoye Vostochnoye                                 | 108.67    | 33.43             |               |            |  |  |  |
| Galleyskoye   | 3.77      | 1.27              |               |            |  |  |  |
| Galyanovskoye   | 439.81    | 183.40            |               |            |  |  |  |
| Gaz-Sale  |           |                   | 257.34        | 9.01       |  |  |  |
| Geofizicheskoye   |           |                   | 4832.79       | 11.79      |  |  |  |
| Gerasimovskoye  | 49.67     | 18.50             | 106.29        | 3.11       |  |  |  |
| Glukhovskoye  | 4.09      | 1.55              | 100.20        | 0.11       |  |  |  |
| Golevoyeskoye   | 17.01     | 7.36              |               |            |  |  |  |
|   | 17.01     | 7.50              | 89.36         | 0.98       |  |  |  |
| Gornoye (Tyumen)  | 70.03     | 21.64             | 09.00         | 0.90       |  |  |  |
| Gorshkovskoye Zapadnoye                                 |           |                   |               |            |  |  |  |
| Gorstovoye  | 7.67      | 2.39              |               |            |  |  |  |
| Gribnoye  | 72.09     | 27.33             |               |            |  |  |  |
| Grushevoye  | 28.49     | 7.49              | 004.07        | 00 50      |  |  |  |
| Gubkinskoye Severnoye                                   | 342.50    | 313.76            | 624.07        | 30.58      |  |  |  |

| Basin (Sorted Alphabeticall            | Ultimate             | Associated-                      | Nonassociated           |            |
|--|----------------------|----------------------------------|-------------------------|------------|
|  | Crude Oil            | Disolved Gas                     | Gas                     | Condensate |
|  | (million<br>barrels) | (billion (billion<br>cubic feet) | (million<br>cubic feet) | barrels)   |
|  | barreisy             | cubic reety                      | cubic reety             | barreisy   |
| Gubkinskoye (Gubkin Sev., Prisklonoye) | 0.22                 | 0.17                             | 10580.14                | 0.16       |
| Gun-Yeganskoye                         | 98.13                | 38.04                            |                         |            |
| Gustorechenskoye                       | 25.27                | 9.55                             |                         |            |
| Gydanskoye                             |                      |                                  | 1626.86                 |            |
| Igol'sko-Talovoye                      | 143.75               | 31.77                            |                         |            |
| Igrim Severnoye                        |                      |                                  | 123.20                  | 1.36       |
| Igrim Yuzhnoye                         |                      |                                  | 95.25                   | 1.05       |
| lkilorskoye                            | 250.18               | 86.82                            |                         |            |
| Imlorskoye                             | 24.55                | 7.81                             |                         |            |
| Imlorskoye Zpapadnny                   | 24.55                | 7.81                             |                         |            |
| Ingaskoye (Inginsk)(Krasnoleninskoye)  | 18.22                | 6.72                             |                         |            |
| Ininskoye                              | 5.14                 | 1.94                             |                         |            |
| lokhturskoye Severnoye                 | 22.67                | 12.84                            |                         |            |
| Istochnoye                             | 24.55                | 7.80                             |                         |            |
| lťyakhskoye                            | 9.11                 | 3.36                             |                         |            |
| Izvestinskoye                          | 64.63                | 57.91                            |                         |            |
| Kalchinskoye                           | 33.07                | 5.52                             |                         |            |
| Kalchinskoye Severnoye                 | 11.12                | 9.82                             |                         |            |
|  | 191.60               | 9.02<br>2912.44                  | 155.00                  | 17 40      |
| Kalinovoye                             |                      |                                  | 455.90                  | 17.49      |
| Kalinovoye Severnoye                   | 30.39                | 12.40                            | 533.59                  | 28.71      |
| Kalinovoye Vostochnoye                 | 0.22                 | 0.10                             | 4000 70                 |            |
| Kamennomysskoye                        | 50.00                | 44.00                            | 1363.72                 |            |
| Kamennoye(Krasnoleninskoye)            | 58.88                | 14.80                            |                         |            |
| Kamynskoye                             | 153.88               | 53.41                            |                         |            |
| Kamynskoye Severnoye                   | 254.88               | 80.14                            |                         |            |
| Kamynskoye Yuzhnoye                    | 60.66                | 19.09                            |                         |            |
| Karabashskoye(Leninskoye)              |                      |                                  | 20.42                   | 0.22       |
| Karamovskoye                           | 383.90               | 81.84                            |                         |            |
| Karamovskoye Severnoye                 | 31.41                | 7.10                             |                         |            |
| Karasevskoye (Tomsk)                   | 30.89                | 11.68                            |                         |            |
| Karasevskoye (Tyumen)                  | 54.30                | 48.65                            |                         |            |
| Karasevskoye Severnoye                 | 10.47                | 3.96                             |                         |            |
| Karasevskoye Zapadnoye                 | 11.12                | 9.82                             |                         |            |
| Karayskoye (Karayskoye)                | 25.11                | 6.23                             |                         |            |
| Karayskoye Zapadnoye                   | 17.97                | 6.79                             |                         |            |
| Karempostskoye                         | 8.53                 | 4.11                             |                         |            |
| Kartop'ya                              | 40.43                | 27.98                            |                         |            |
| Kartopya Zapadnoye                     | 0.40                 | 0.09                             |                         |            |
| Kartopya-Okhanskoye                    | 8.49                 | 1.80                             |                         |            |
| Karyaunskoye                           | 3.82                 | 1.09                             |                         |            |
| Katyl'ginskove                         | 150.91               | 35.13                            |                         |            |
| Katyl'ginskoye Zapadnoye               | 21.37                | 4.86                             |                         |            |
| Kayumovskoye                           | 14.11                | 6.65                             |                         |            |
| Kazanskoye                             |                      |                                  | 1702.66                 | 26.35      |
| Kazantsevskoye(UstYenisey)             |                      |                                  | 409.87                  |            |
| Kazymskoye Severnoye                   |                      |                                  | 292.43                  | 3.22       |
| Kechimovskoye                          | 24.55                | 7.81                             |                         |            |
|  |                      |                                  |                         |            |
|  | 24.55                | 7 81                             |                         |            |
| Kechimovskoye Yuzhnoye<br>Ketovskoye   | 24.55<br>216.48      | 7.81<br>47.73                    |                         |            |

| Table 2D. | Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, West Siberian |
|-----------|--|
|           | Basin (Sorted Alphabetically by Field Name) (Continued)                            |

| Basin (Sorted Alphabetic          |                                   |  |                                  |            |
|-----------------------------------|-----------------------------------|--|----------------------------------|------------|
|                                   | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas<br>(million | Condensate |
| Field Name                        | barrels)                          | cubic feet)                                      | cubic feet)                      | barrels)   |
|                                   |                                   |  | <b>/</b>                         |            |
| Khadyryakhaskoye Yuzhnaya         | 15.31                             | 12.02  |                                  |            |
| Khalmerpayuta                     |                                   |  | 106.76                           |            |
| Khambateyskoye                    |                                   |  | 528.42                           |            |
| Khancheyskoye (or Khangey)        |                                   |  | 98.62                            | 1.13       |
| Khanty-Mansiyskoye (Tsentralnoye) | 171.59                            | 39.06  |                                  |            |
| Kharam-Pur Yuzhnoye               | 97.67                             | 103.54   | 3080.19                          | 44.00      |
| Kharampur (Kharampur Yuz.)        | 634.43                            | 485.37   | 17927.84                         | 14.82      |
| Kharampur Zapadnoye               | 32.94                             | 18.66  | 40700 40                         | 77.00      |
| Kharasaveyskoye                   | F7 00                             | 20.42  | 16783.40                         | 77.22      |
| Kharvutinskoye                    | 57.06<br>7.55                     | 28.42<br>4.16                                    | 346.91                           |            |
| Khay-Yakhinskoye<br>Khokhlovskoye | 6.24                              | 2.47   |                                  |            |
| Khokhryakov                       | 6.24<br>353.42                    | 146.32   |                                  |            |
| Khokhryakov Severnoye             | 187.28                            | 189.23   |                                  |            |
| Kholmistoye                       | 23.73                             | 8.56   |                                  |            |
| Kholmogoryskoye                   | 722.86                            | 190.78   |                                  |            |
| Khorlorskoye                      | 41.05                             | 11.70  |                                  |            |
| Khorlorskoye Verkhniy             | 24.55                             | 7.73   |                                  |            |
| Khulturskoye                      | 72.22                             | 25.09  |                                  |            |
| Khulymskoye Yuzhnoye              | 69.33                             | 21.85  |                                  |            |
| Khvoynoye                         | 13.99                             | 6.03   |                                  |            |
| Kinyaminskoye Yuzhnoye            | 9.35                              | 4.09   |                                  |            |
| Kinyaminskoye                     | 2.00                              | 1.00   |                                  |            |
| Kislorskoye                       | 16.21                             | 5.45   |                                  |            |
| Kiyevyeganskoye                   | 19.95                             | 8.84   |                                  |            |
| Klyuchevskoye (Tomsk)             | 28.82                             | 10.66  |                                  |            |
| Kochevskoye Severnoye             | 24.55                             | 7.74   |                                  |            |
| Kochevskoye(Tevlin-Konitlor)      | 128.88                            | 40.61  | 135.51                           | 2.44       |
| Kogolymskoye                      | 433.46                            | 129.73   |                                  |            |
| Kogolymskoye Severnoye            | 27.02                             | 8.53   |                                  |            |
| Kogolymskoye Yuzhnoye             | 13.25                             | 4.19   |                                  |            |
| Kolikyeganskoye                   | 13.24                             | 5.01   |                                  |            |
| Kolikyeganskoye Vostochnoye       | 11.17                             | 6.87   |                                  |            |
| Kolotuchnoye<br>Komar'inskoye     | 293.43<br>30.59                   | 110.92<br>9.67                                   |                                  |            |
| Komsomol'skoye (Barsukovskoye)    | 30.59                             | 9.07   | 23190.35                         |            |
| Komsomolskoye Severnoye           |                                   |  | 4052.30                          | 4.10       |
| Kondakovskoye (Tomsk)             | 9.43                              | 4.45   | 4002.00                          | 4.10       |
| Kondinskoye Vostochnaya           | 11.17                             | 6.87   |                                  |            |
| Konitlorskoye Severnoye           | 221.37                            | 107.95   |                                  |            |
| Konitlorskoye Vostochnoye         | 20.39                             | 6.45   |                                  |            |
| Konitlorskoye Yuzhnoye            | 818.68                            | 373.08   |                                  |            |
| Konitlorskoye Zapadnoye           | 100.93                            | 31.92  |                                  |            |
| Konitlorskoye(Tevlin-Konitlor)    | 101.64                            | 31.94  |                                  |            |
| Koshilsko-Vakhskoye               | 388.68                            | 239.04   |                                  |            |
| Kotukhtaskoye Zapadnoye           | 93.80                             | 29.65  |                                  |            |
| Krapivinskoye                     | 150.28                            | 50.50  |                                  |            |
| Krapivinskoye Severnoye           | 17.31                             | 3.25   |                                  |            |
| Krapivinskoye Vostochnoye         | 34.22                             | 5.99   |                                  |            |
| Krasnoleninskoye                  |                                   |  |                                  |            |

|  | Ultimate<br>Crude Oil | Associated-<br>Disolved Gas | Nonassociated<br>Gas | Condensate |  |
|--|-----------------------|-----------------------------|----------------------|------------|--|
|  | (million              | (billion (billion           | (million             |            |  |
| Field Name                                       | barrels)              | cubic feet)                 | cubic feet)          | barrels)   |  |
| Krasnoyarskoye Zapadnoye                         | 16.12                 | 6.09                        |                      |            |  |
| Kraynyeye  | 165.21                | 82.28                       |                      |            |  |
| Kruzenshternskoye Yuzhnoye                       | 100.21                | 02.20                       | 3511.07              |            |  |
| Kudrinsk   | 10.39                 | 2.96                        | 5511.07              |            |  |
| Kul'yeganskoye (Tyumen)                          | 18.85                 | 4.54                        |                      |            |  |
| Kulginskoye                                      | 2.00                  | 1.00                        |                      |            |  |
| Kulyeganskoye(Tomsk)                             | 19.52                 | 5.08                        |                      |            |  |
| Kurraganskoye                                    | 27.17                 | 8.81                        |                      |            |  |
| Kurraganskoye Yuzhnoye                           | 7.05                  | 2.15                        |                      |            |  |
| Kustovoye Yuzhnoye                               | 3.57                  | 1.13                        |                      |            |  |
| Kvartovoye                                       | 80.38                 | 8.68                        |                      |            |  |
| <b>y</b>   | 00.30                 | 0.00                        | 55.40                |            |  |
| Kynskoye<br>Kysomskoye                           | 7.07                  | 2.0                         | 55.40                |            |  |
| Larkinskoye                                      | 35.68                 | 11.26                       |                      |            |  |
| Larlomin Yuzhnoye                                | 35.66<br>11.12        | 9.82                        |                      |            |  |
| Larlomkinskove                                   | 5.12                  | 1.33                        |                      |            |  |
| Lasyeganskoye(Pokachev-Ur'yev)                   | 232.36                | 59.93                       |                      |            |  |
|  | 12.51                 | 4.35                        |                      |            |  |
| Lazarevskoye                                     | 12.31                 | 4.55                        | 691.73               | 7.61       |  |
| Lebyazhyeskoye<br>Ledovoye Severnoye (Tomsk)     | 24.55                 | 7.75                        | 091.75               | 7.01       |  |
|  | 24.55                 | 7.95                        |                      |            |  |
| Ledovoye (Tomsk)                                 | 21.43<br>9.01         | 2.69                        |                      |            |  |
| Ledyanoye  | 9.01<br>11.74         | 4.08                        |                      |            |  |
| Lem'inskoye Vostochnoye<br>Lem'inskoye Zapadnoye | 11.74                 | 4.08                        |                      |            |  |
| Leminskoye (Lemya)                               | 5.05                  | 1.86                        |                      |            |  |
| Lempinskoye Zapadno(Pravdinsk-Salyn              |                       | 16.73                       |                      |            |  |
| Leningradskoye                                   | 1) 45.10              | 10.75                       |                      |            |  |
| Leninskoye(Karabashskoye)                        |                       |                             | 52.32                | 0.58       |  |
| Lenzitskoye                                      | 163.80                | 83.87                       | 52.52                | 0.50       |  |
| Limbayakhaskoye                                  | 42.13                 | 23.78                       |                      |            |  |
| Lineynoye  | 6.77                  | 2.10                        |                      |            |  |
| Lokosovo   | 565.99                | 143.64                      |                      |            |  |
| Lonovoye   | 118.92                | 66.41                       |                      |            |  |
| Lontyn'yakh                                      | 16.14                 | 3.44                        |                      |            |  |
| Lopukhovskoye                                    | 12.51                 | 4.35                        |                      |            |  |
| Lorbinskove                                      | 8.11                  | 1.15                        |                      |            |  |
| Loryeganskoye                                    | 27.29                 | 3.86                        |                      |            |  |
| Losevoye   | 9.92                  | 4.89                        |                      |            |  |
| Lovinskoye                                       | 55.97                 | 25.74                       |                      |            |  |
| Lovinskoye Zapadnoye                             | 158.51                | 58.49                       |                      |            |  |
| Lower Tabaganskoye                               | 20.85                 | 129.04                      | 55.73                | 1.63       |  |
| Luginetskoye                                     | 20.00                 | 120.04                      | 386.86               | 11.33      |  |
| Luginetskoye Zapadnoye                           | 11.17                 | 6.87                        | 000.00               | 11.00      |  |
| Lyantorskoye (Taybinskoye)                       | 2321.63               | 685.97                      |                      |            |  |
| Lykhminskoye                                     | 4.09                  | 0.92                        |                      |            |  |
| Maksimkinskoye                                   | 2.00                  | 1.00                        |                      |            |  |
| Malo Kolikyeganskoye                             | 11.17                 | 6.87                        |                      |            |  |
| Malo-Aganskoye Yuzhnoye                          | 5.61                  | 1.77                        |                      |            |  |
|  | 0.01                  | 1.//                        |                      |            |  |
| Malo-Perevalnoye                                 | 24.55                 | 7.75                        |                      |            |  |

| Basin (Sorted Alphabetically by Field Name) (Continued) |           |                     |               |            |  |  |  |
|---|-----------|---------------------|---------------|------------|--|--|--|
|   | Ultimate  | Associated-         | Nonassociated |            |  |  |  |
|   | Crude Oil | <b>Disolved Gas</b> | Gas           | Condensate |  |  |  |
|   | (million  | (billion (billion   | (million      |            |  |  |  |
| Field Name  | barrels)  | cubic feet)         | cubic feet)   | barrels)   |  |  |  |
|   | ,         | ,                   | /             | ,          |  |  |  |
| Malobalykskoye  | 537.35    | 130.98              |               |            |  |  |  |
| Malochernogorskoye                                      | 105.21    | 39.19               |               |            |  |  |  |
| Malodanilovskoye  | 12.51     | 4.35                |               |            |  |  |  |
| Maloichskoye  | 36.10     | 12.18               |               |            |  |  |  |
| Maloklyuchevoye   | 85.38     | 56.79               |               |            |  |  |  |
| Malokustovoye   | 6.12      | 1.93                |               |            |  |  |  |
| Maloledyanoye   | 23.47     | 4.89                |               |            |  |  |  |
| Malonovogodneye   | 4.79      | 4.29                |               |            |  |  |  |
| Malopokachevskoye                                       | 24.55     | 7.75                |               |            |  |  |  |
| Malopotanayskoye  | 1.81      | 0.63                |               |            |  |  |  |
| Malopriobskoye  | 32.42     | 10.89               |               |            |  |  |  |
| Malopyakutaskoye  | 67.29     | 21.27               |               |            |  |  |  |
| Malorechenskoye   | 198.18    | 94.12               |               |            |  |  |  |
| Malovar'yeganskoye                                      | 10.19     | 8.56                |               |            |  |  |  |
| Malovaťyeganskoye                                       | 6.12      | 1.93                |               |            |  |  |  |
| Maloveselovskoye  | 1.94      | 0.35                |               |            |  |  |  |
| Maloyagunskoye  | 24.55     | 7.75                |               |            |  |  |  |
| Maloyamalskoye(Lesser Yamal)                            | 21100     |                     | 604.73        |            |  |  |  |
| Maloyuganskoye Severnoye                                | 24.55     | 7.75                | 001110        |            |  |  |  |
| Maloyuganskoye  | 171.27    | 116.68              |               |            |  |  |  |
| Malyginskoye  |           |                     | 2865.93       |            |  |  |  |
| Mamontovskoye(Ust-Balyk)                                | 616.20    | 153.57              | 2000100       |            |  |  |  |
| Mangazeyskoye   | 45.18     | 14.64               |               |            |  |  |  |
| Maslikhovskoye  | 18.22     | 6.45                |               |            |  |  |  |
| Matyushkinskoye   | 8.64      | 2.20                |               |            |  |  |  |
| Mayskoye (W Siberia)                                    | 123.41    | 35.78               |               |            |  |  |  |
| Medvezhyeskoye  | 0.11      | 0.09                | 54896.48      |            |  |  |  |
| Megionskoye   | 630.17    | 193.79              | 0.0001.0      |            |  |  |  |
| Meretayakhskoye   | 95.83     | 85.86               |               |            |  |  |  |
| Messoyakhskoye Vostochnaya                              | 179.01    | 21.66               | 495.65        |            |  |  |  |
| Messoyakhskoye Yuzhnaya                                 |           |                     | 792.63        |            |  |  |  |
| Messoyakhskoye Zapadnaya                                | 211.06    | 165.68              |               |            |  |  |  |
| Messoyakhskoye (Norilisk City1970)                      |           |                     |               |            |  |  |  |
| (Yenisey-Khatanga)                                      |           |                     | 843.28        |            |  |  |  |
| Mezhovskoye   | 119.27    | 36.85               |               |            |  |  |  |
| Mezhovskove Vostochnove                                 | 50.57     | 20.74               |               |            |  |  |  |
| Minchimkskoye   | 111.75    | 34.61               |               |            |  |  |  |
| Minchimkskoye Severnaya                                 | 0.29      | 0.07                |               |            |  |  |  |
| Minkhovskove  |           |                     | 263.34        |            |  |  |  |
| Minkhovskoye Vostochnoye                                |           |                     | 409.87        |            |  |  |  |
| Mirnoye   |           |                     | 861.53        | 25.24      |  |  |  |
| Mogutlorskoye   | 17.84     | 5.64                |               |            |  |  |  |
| Mogutlorskove Zapadnove                                 | 13.25     | 4.19                |               |            |  |  |  |
| Moiseyevskoye   | 29.25     | 6.58                |               |            |  |  |  |
| Moiseyevskoye Zapadnoye                                 | 9.53      | 3.60                |               |            |  |  |  |
| Mokhovoye Vostochnoye                                   | 91.64     | 21.46               |               |            |  |  |  |
| Mokhtikovskoye  | 23.67     | 9.23                |               |            |  |  |  |
| Mortym'yaskoye Severnoye                                | 92.65     | 30.22               |               |            |  |  |  |
| Mortym'yaskoye Yuzhnoye                                 | 22.41     | 9.40                |               |            |  |  |  |
| Mortym'yaskoye Zapadnoye 1                              | 12.51     | 4.35                |               |            |  |  |  |
| · · · · ·   |           |                     |               |            |  |  |  |

|                                     | Ultimate<br>Crude Oil | <b>Disolved Gas</b>              | Nonassociated<br>Gas    | Condensate |
|-------------------------------------|-----------------------|----------------------------------|-------------------------|------------|
| Field Name                          | (million<br>barrels)  | (billion (billion<br>cubic feet) | (million<br>cubic feet) | barrels)   |
|                                     |                       |                                  |                         |            |
| Mortym'yaskoye Zapadnoye 2          | 12.51                 | 4.35                             |                         |            |
| Mortym'yaskoye Zapadnoye 3          | 18.38                 | 4.28                             |                         |            |
| Multanovskove                       | 41.91                 | 15.84                            |                         |            |
| Mulym'yaskoye                       | 18.79                 | 5.92                             |                         |            |
| Mulymyaskoye Srednyaya              | 16.91                 | 6.24                             |                         |            |
| Mulymyaskoye Zapadnaya              | 1.35                  | 0.47                             |                         |            |
| Muravlenko                          | 816.81                | 376.16                           | 5185.13                 |            |
| Muryaunskoye                        | 2.00                  | 1.00                             | 0100110                 |            |
| Mykhlorskoye                        | 3.89                  | 1.10                             |                         |            |
| Mykhpayskoye(Samotlor)              | 304.48                | 86.03                            |                         |            |
| Myldzhinskoye                       | 504.40                | 00.05                            | 8959.91                 | 199.55     |
| Myldzhinskoye Yuzhnoye              | 35.00                 | 9.97                             | 0333.31                 | 133.00     |
|                                     | 33.00                 | 3.31                             | 1227.61                 |            |
| Nadymskoye                          |                       |                                  |                         |            |
| Nakhodkaskoye                       | 47.00                 | 6 50                             | 3857.11                 |            |
| Nalim'yeskoye                       | 17.26                 | 6.53                             |                         |            |
| Nazinskoye Yuzhnoye                 | 17.75                 | 3.73                             |                         |            |
| Nazymskoye                          | 80.11                 | 26.92                            |                         |            |
| Neponyatnoye                        | 64.57                 | 57.86                            |                         |            |
| Nerstinskoye                        |                       |                                  | 629.14                  |            |
| Ney-To (Neytinskoye)                | 6.26                  | 4.91                             | 943.95                  | 3.74       |
| Nezhdannoye                         | 4.37                  | 1.62                             |                         |            |
| Nikol'skoye (Tomsk)                 | 9.40                  | 2.88                             |                         |            |
| Nikol'skoye (Tyumen)                | 11.17                 | 6.87                             |                         |            |
| Nivagalskoye(Pokachev-Ur'yev)       | 1487.92               | 384.76                           |                         |            |
| Nizhne Khetskoye (Yenisey-Khatanga) |                       |                                  | 58.71                   | 0.10       |
| Nizhne Tabaganskoye                 | 111.58                | 42.14                            |                         |            |
| Nizhne-Shapshinskoye                | 24.55                 | 7.82                             |                         |            |
| Nizhne-Sortymskoye                  | 161.42                | 48.68                            |                         |            |
| Nizhne-Tobolyanskoye                | 1.13                  | 0.12                             |                         |            |
| Nizhnevartovsk                      | 24.44                 | 7.72                             |                         |            |
| Nizhniy Keumskoye                   | 11.12                 | 9.82                             |                         |            |
| Nong'yeganskoye                     | 1337.97               | 580.93                           |                         |            |
| Nong'yeganskoye Vostochnoye         | 25.49                 | 8.05                             |                         |            |
| Novoaganskoye                       | 79.67                 | 71.38                            |                         |            |
| Novochaselskoye                     | 260.28                | 146.90                           |                         |            |
| Novogodneyeskoye                    | 143.20                | 86.94                            | 100.41                  |            |
| Novogodneyeskoye Zapadnoye          | 2.95                  | 2.37                             | 100.41                  |            |
| Novomolodezhnoye                    | 2.95                  | 132.71                           |                         |            |
| Novopokurskoye                      | 232.65                | 363.29                           |                         |            |
|                                     | 224.34<br>134.69      | 30.29                            | 6422.57                 | 151.58     |
| Novoportovskoye                     |                       |                                  | 0422.37                 | 101.00     |
| Novopurpeyskoye                     | 438.01                | 154.15                           |                         |            |
| Novoyendyrskoye                     | 160.7                 | 59.30                            |                         |            |
| Novyy-Tutymskoye                    | 11.12                 | 9.82                             |                         |            |
| Noyabr'skoye Zapadnoye              | 249.30                | 72.91                            |                         | ~          |
| Nulin-Turskoye                      |                       |                                  | 10.66                   | 0.12       |
| Nurminskoye                         |                       |                                  | 3437.06                 | 14.75      |
| Nydinskoye                          |                       |                                  | 110.41                  |            |
| Ob River Area                       | 112.69                | 33.18                            |                         |            |
| Okhanskoye                          | 12.51                 | 4.35                             |                         |            |
| Okhteurskoye Vostochnoye            | 11.17                 | 6.87                             |                         |            |

| Table 2D. | Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, West Siberian |
|-----------|--|
|           | Basin (Sorted Alphabetically by Field Name) (Continued)                            |

| Ultimate<br>Crude Oil<br>(million<br>barrels)         Associated<br>Disolved Gas<br>(billion (billion<br>cubic feet)         Nonassociated<br>Condensate<br>(billion<br>cubic feet)         Condensate<br>Condensate<br>(billion<br>cubic feet)           Okhteurskoye Yuzhnny         24.16         8.12  | Basin (Sorted Alphabetica |          |             |             |            |
|--|---------------------------|----------|-------------|-------------|------------|
| field Name         (billion (billi   |                           |          |             |             |            |
| Field Name         barrels)         cubic feet)         cubic feet)         barrels)           Okhteurskoye Yuzhnny         24.16         8.12         0         <   |                           |          |             |             | Condensate |
| Okhteurskoye Yuzhnny         24.16         8.12           Olkhovskoye (Tyumen)         427.54         50.02           Olen yeskoye Severnoye         27.24         11.47           Ombinskoye         22.20         8.24           Ontokhskoye         24.55         7.82           Orekhovskoye Zapadnoye         24.55         7.82           Orekhovskoye Zapadnoye         24.55         7.82           Ostaninskoye Severnoye         4.89         2.54           Ostaninskoye Severnoye         8.03         1.46           Ostrownoye Severnoye         8.03         1.46           Ostrownoye Severnoye         8.03         1.46           Ostrownoye Severnoye         8.03         1.46           Ostrownoye Severnoye         8.03         1.46           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Pal'nikovskoye         8.35         3.10         Palayaovskoye           Palwoye (Tomsk)         15.77         8.12         Ozernoye (Vostochnoye & Zapadnoye)           Palvarovskoye         70.54         55.37         1726.22           Parusovskoye (Tomsk)         18.16         16.03         Paysyataskoye           Palvakovskoye (Tomsk)         18.16         16  |                           |          |             |             |            |
| O'rkhovskove (Tyumen) 427.54 50.02<br>Olen yeskoye 21089,17 351.80<br>Olen yeskoye Severnoye 27.24 11.47<br>Ombinskoye 22.20 8.24<br>Orekhovskoye Zevernoye 24.55 7.82<br>Orekhovskoye Zapadnoye 24.55 7.82<br>Otskninskoye Zapadnoye 76.80 38.55 1451.68 52.48<br>Ostaninskoye Severnoye 4.89 2.54<br>Ostaninskoye Severnoye 8.03 1.46<br>Ostrovnoye Severnoye 8.35 3.10<br>Palynavskoye 70.54 55.37<br>Paul-Turskoye 70.54 55.37<br>Paul-Turskoye 70.54 55.37<br>Paul-Turskoye 181.67 605.94<br>Paykotskoye 181.67 605.94<br>Paykotskoye 180.64<br>Paryatashoye 181.67 605.94<br>Paykotskoye 180.64<br>Parevalnoye Vustochnoye 8.455 7.76<br>Petevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.55 7.76<br>Petevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.65 7.76<br>Perevalnoye Vustochnoye 196.65 7.76<br>Perevalnoye Vustochnoye 196.65 7.76<br>Pindzhinskoye (Tomsk) 108.85 28.19<br>Perestanoye 202.21 37.11<br>Piltanskoye 202.21 37.11<br>Pi | Field Name                | barrels) | cubic feet) | cubic feet) | barrels)   |
| O'rkhovskove (Tyumen) 427.54 50.02<br>Olen yeskoye 21089,17 351.80<br>Olen yeskoye Severnoye 27.24 11.47<br>Ombinskoye 22.20 8.24<br>Orekhovskoye Zevernoye 24.55 7.82<br>Orekhovskoye Zapadnoye 24.55 7.82<br>Otskninskoye Zapadnoye 76.80 38.55 1451.68 52.48<br>Ostaninskoye Severnoye 4.89 2.54<br>Ostaninskoye Severnoye 8.03 1.46<br>Ostrovnoye Severnoye 8.35 3.10<br>Palynavskoye 70.54 55.37<br>Paul-Turskoye 70.54 55.37<br>Paul-Turskoye 70.54 55.37<br>Paul-Turskoye 181.67 605.94<br>Paykotskoye 181.67 605.94<br>Paykotskoye 180.64<br>Paryatashoye 181.67 605.94<br>Paykotskoye 180.64<br>Parevalnoye Vustochnoye 8.455 7.76<br>Petevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.55 7.76<br>Petevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.55 7.76<br>Perevalnoye Vustochnoye 196.65 46.61<br>Perevalnoye Vustochnoye 196.65 7.76<br>Perevalnoye Vustochnoye 196.65 7.76<br>Perevalnoye Vustochnoye 196.65 7.76<br>Pindzhinskoye (Tomsk) 108.85 28.19<br>Perestanoye 202.21 37.11<br>Piltanskoye 202.21 37.11<br>Pi |                           |          |             |             |            |
| Olen'yeskoye       1089,17       351.80         Olen'yeskoye Severnoye       27.24       11.47         Ombinskoye       22.20       8.24         Ontohskoye Severnoye       24.55       7.82         Orekhovskoye Zapadnoye       24.55       7.82         Ostaninskoye Zapadnoye       24.55       7.82         Ostaninskoye Zapadnoye       4.89       2.54         Ostaninskoye Zapadnoye       14.27       6.73         Ostrovnoye Zapadnoye       24.55       7.76         Ostrovnoye Severnoye       8.03       1.46         Ostrovnoye Vuzhnoye       24.55       7.76         Otelinoye       43.50       8.53         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       7.75       1726.22         Parlinkovskoye       70.59       7.575       1726.22         Parusovoye       70.54       55.37       7.75         Parloye (Vostochnoye & 18.16       16.03       8.98       0.10         Palvikovskoye (Tomsk)       18.16       16.03       18.98       11.90         Perevalnoye Vostochnoye       196.65       46.61       11.90       1985.80         Pererwalnoye Vuzhnoye       24.55 <td></td> <td></td> <td></td> <td></td> <td></td>  |                           |          |             |             |            |
| Olen'yesko'ye Severnoye       27.24       11.47         Ombinskoye       22.20       8.24         Ontokhskoye       344.37       135.68         Orekhovskoye Severnoye       24.55       7.82         Orekhovskoye Severnoye       24.55       7.82         Ostaninskoye Zapadnoye       24.55       7.82         Ostaninskoye Zapadnoye       14.27       6.73         Ostrovnoye Severnoye       8.03       1.46         Ostrovnoye Severnoye       24.55       7.76         Ostrovnoye Vuzhnoye       24.55       7.76         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paljnikovskoye       28.35       3.10       20         Ozernoye (Vostochnoye & Zapadnoye)       8.35       3.10       20         Paloydyskoye       170.59       7.57       1726.22         Parusovye       70.54       55.37       20         Palvovskoye (Tomsk)       18.16       16.03       29.07         Palvovskoye (Tomsk)       18.16       16.03       211.90         Parystyktskoye       150.44       30.42       211.90         Perevalnoye Vuzhnoye       196.65       46.61       211.90         Perevalnoye Vuzhnoye  |                           |          |             |             |            |
| Ombinskoye         22.20         8.24           Ontokhskoye         344.37         135.68           Orekhovskoye Severnoye         24.55         7.82           Orekhovskoye Zapadnoye         24.55         7.82           Ostaninskoye Zapadnoye         24.55         7.82           Ostaninskoye Zapadnoye         4.89         2.54           Ostaninskoye Zapadnoye         14.27         6.73           Ostrovnoye Zapadnoye         24.55         7.76           Ostrovnoye Vuzhnoye         8.03         1.46           Ostrovnoye Vuzhnoye         24.55         7.76           Ozernoye (Tomsk)         15.77         8.12           Ozernoye (Tomsk)         15.77         8.12           Ozernoye (Tomsk)         15.77         8.12           Palyanovskoye         280.53         4.263           Palyanovskoye         8.35         3.10           Palyanovskoye         8.35         3.10           Palyanovskoye         8.052         29.07           Palvakovskoye (Tomsk)         18.16         16.03           Paysytatskoye         161.67         605.94           Paysytatskoye         150.4         30.42           Perekalnoye Vuzhnoye         24   |                           |          |             |             |            |
| Ontokskóve       344.37       135.68         Orekhovskoye Severnoye       24.55       7.82         Orekhovskoye Zapadnoye       24.55       7.82         Ostaninskoye Zapadnoye       24.55       7.82         Ostaninskoye Zapadnoye       4.89       2.54         Ostaninskoye Zapadnoye       14.27       6.73         Ostaninskoye Zapadnoye       14.27       6.73         Ostronnoye Severnoye       8.03       1.46         Ostrovnoye Severnoye       8.03       1.46         Oztaninskoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pal/nikovskoye       8.35       3.10       2         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pal/nikovskoye       70.54       5.37       1726.22         Paragodyskoye       170.59       75.75       1726.22         Paruskoye       8.010       2       2         Palvalvokskoye (Tomsk)       18.16       16.03       2         Pavalyskoye       16.67       605.94       2         Paytykhskoye       86.52       2.007       2         Perekalnoye       1985.80       2       2         Perekalnoye Vuzhoye       24.55       7.76 <td></td> <td></td> <td></td> <td></td> <td></td>  |                           |          |             |             |            |
| Orekhovskoye Svernoye       24.55       7.82         Orekhovoskoye       19.78       7.34         Ostaninskoye Zapadnoye       24.55       7.82         Ostaninskoye Severnoye       4.89       2.54         Ostaninskoye Severnoye       14.27       6.73         Ostronnoye Severnoye       8.03       1.46         Ostronnoye Severnoye       8.03       1.46         Ostronnoye Yuzhnoye       24.55       7.76         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Palinikovskoye       280.53       42.63         Palosovoye       70.54       55.37         Paulskovskoye       161.67       605.94         Paysytaskoye       161.67       605.94         Paysytaskoye       166.55       7.76         Perekatnoye       211.90       1985.80         Perekatnoye       11.90       1985.80         Perekatnoye       23.71       1985.80         Perekatnoye       23.19       2885.48         Petelinskoye       63.01       7.25         Poionerskoye (Athskoye,<br>Poincriskoye       23  |                           |          |             |             |            |
| Orekhovoskove       19.78       7.34         Osomkinskoye Zapadnoye       24.55       7.82         Ostaninskoye Severnoye       4.89       2.54         Ostaninskoye Sapadnoye       14.27       6.73         Ostronnoye Severnoye       8.03       1.46         Ostronnoye Severnoye       8.03       1.46         Ostrovnoye Severnoye       8.03       1.46         Ostrovnoye Severnoye       8.03       1.46         Ostrovnoye Severnoye       8.35       3.10         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pal'nikovskoye       280.53       42.63         Pangodyskoje       170.59       75.75       1726.22         Parusovoye       70.54       55.37       8.98       0.10         Palvorskoye (Tomsk)       18.16       16.03       1985.80       199         Parusokoye (Tomsk)       18.16       16.03       11.90       11.90         Perevalnoye Vostochnoye       196.65       7.76       11.90       11.90         Perevalnoye Vostochnoye       196.65       7.76       11.90       11.90       11.90       11.90       11.90       11.90       11.90       11.90       11.91       11.91       11.91 <td></td> <td></td> <td></td> <td></td> <td></td>  |                           |          |             |             |            |
| Osomkinskoy'e Zapadnoye         24.55         7.82           Ostaninskoye Severnoye         4.89         2.54           Ostaninskoye Zapadnoye         14.27         6.73           Ostrovnoye         5.55         2.37           Ostrovnoye Severnoye         8.03         1.46           Ostrovnoye Yuzhnoye         24.55         7.76           Ottelonoye Yuzhnoye         8.03         1.46           Ostrovnoye Yuzhnoye         8.03         1.46           Ostrovnoye Yuzhnoye         8.03         1.46           Ozernoye (Tomsk)         15.77         8.12           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Palnikovskoye         280.53         42.63           Pangodyskoye         70.59         75.75         1726.22           Parusovoye         70.54         55.37         Parusovoye           Paulorskoye (Tomsk)         18.16         60.3         10           Palviskinskoye (Tomsk)         18.16         60.3         12           Paytykinskoye         86.52         29.07         1985.80           Perekatingkoye (Tomsk)         188.16         66.61         Perevalnoye           Perevalnoye Vostochnoye         196.65         7  |                           |          |             |             |            |
| Ostaninskove         76.80         38.55         1451.68         52.48           Ostaninskove Severnoye         4.89         2.54         52.48           Ostaninskove Zapadnoye         14.27         6.73         53           Ostrovnoye Severnoye         8.03         1.46         52.48           Ostrovnoye Severnoye         8.03         1.46         52.48           Ostrovnoye Yuzhnoye         24.55         7.76         50           Otdelnoye         43.50         8.53         3.10           Pallnikovskoye         8.35         3.10         8.07         0.09           Pallnikovskoye         280.53         42.63         2         2           Palyanovskoye         70.54         55.37         1726.22         2           Parusovosye         70.54         55.37         1726.22         2           Paul-Turskoye         86.52         29.07         2         2         2         2         10           Perevalnoye Vostochnoye         196.65         46.61         2         2         2         11.90         2           Perevalnoye Vostochnoye         196.65         7.76         2         2         2         2         2         2  |                           |          |             |             |            |
| Ostaninskoye Severnoye       4.89       2.54         Ostaninskoye Zapadnoye       14.27       6.73         Ostrovnoye       5.55       2.37         Ostrovnoye Severnoye       8.03       1.46         Ostrovnoye Yuzhnoye       24.55       7.76         Ottelonoye       43.50       8.53         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pallnikovskoye       280.53       42.63         Pangodyskoye       170.59       75.75       1726.22         Parusovoye       70.54       55.37       2         Paulovskoye (Tomsk)       18.16       16.03       8.98       0.10         Pasystataskove       161.67       605.94       Paytykhskoye       86.52       29.07         Perekatnoye       211.90       24.55       7.76       1985.80       Perevalnoye Yuzhnoye       24.55       7.76         Perevalnoye Vuzhnoye       13.19       3.50       2885.48       28.19       2885.48       28.19         Peschanoye       13.19       3.50       2885.48       28.19       2885.48       28.19       2885.48       281.9       2885.48       281.9       285.5  |                           |          |             |             |            |
| Ostaninskoje Zapadnoje       14.27       6.73         Ostrovnoje       5.55       2.37         Ostrovnoje Severnoje       8.03       1.46         Ostrovnoje Yuzhnoje       24.55       7.76         Otdelnoje       43.50       8.53         Ozernoje (Tomsk)       15.77       8.12         Ozernoje (Vostochnoje & Zapadnoje)       8.07       0.09         Pal'nikovskoje       280.53       42.63         Palagnovskoje       280.53       42.63         Palavjanovskoje       75.75       1726.22         Parusovoje       70.54       55.37         Paul-Turskoje       8.98       0.10         Pavjsytatskoje       161.67       605.94         Paysytatskoye       161.67       605.94         Parkovskoje (Venisey-Khatanga)       1985.80         Perekalnoje Vuzhnoje       24.55       7.76         Perevalnoje Vuzhnoje       24.55       7.76         Perevalnoje Vuzhnoje       13.19       3.50         Pestosovje Zapadnoje       2885.48       281.9         Pestosovje Zapadnoje       2885.47       7.76         Podkachevskoje (Khskoje, Lasyeganskoje, Nivagalskoje, Potochnoje (Tyumen)       225.97       51.36   |                           |          |             | 1451.68     | 52.48      |
| Ostrovnoye         5.55         2.37           Ostrovnoye Severnoye         8.03         1.46           Ostrovnoye Yuzhnoye         24.55         7.76           Otdelinoye         43.50         8.53           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Pal'nikovskoye         8.35         3.10         9.07           Palgodyskoye         170.59         75.75         1726.22           Parusovoye         70.54         55.37         8.98         0.10           Pavlovskoye (Tomsk)         18.16         16.03         9.98         0.10           Pavlovskoye (Tomsk)         18.16         16.03         9.98         0.10           Pavlovskoye (Tomsk)         18.16         16.03         9.98         0.10           Perevalnoye (Tomsk)         18.16         16.03         9.98         0.10           Perevalnoye (Vestochnoye         196.65         46.61         9.92         11.90           Perevalnoye Vuzbnoye         24.55         7.76         9.92         9.92         11.90         9.92           Persovoye Zapadnoye         202.21         37.11         9.11         9.11         9.11         11.17         6.87           Podsch   |                           |          |             |             |            |
| Ostrovnové Severnoye       8.03       1.46         Ostrovnové Yuzhnoye       24.55       7.76         Otdelnoye       43.50       8.53         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pal'nikovskoye       280.53       42.63         Palyanovskoye       280.53       42.63         Palyanovskoye       170.59       75.75       1726.22         Parusovoye       70.54       55.37       8.98       0.10         Paul-Turskoye       8.98       0.10       9.93       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94 </td <td></td> <td></td> <td></td> <td></td> <td></td>   |                           |          |             |             |            |
| Ostrovnove Yuzhnoye         24.55         7.76           Otdelnoye         43.50         8.53           Ozernoye (Tomsk)         15.77         8.12           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Pal'nikovskoye         280.53         42.63           Pangodyskoye         170.59         75.75         1726.22           Parusovoye         70.54         55.37         8.98         0.10           Paviovskoye (Tomsk)         18.16         16.03         Payayataskoye         161.67         605.94           Paytykhskoye         86.52         29.07         1985.80         211.90         211.90           Pereval'noye Vostochnoye         196.65         46.61         Pereval'noye         24.55         7.76           Pereval'noye Vostochnoye         196.65         7.76         2885.48         28.19           Peschanoye         13.19         3.50         2885.48         28.19           Pestsovoye Zapadnoye         202.21         37.11         1117         6.87           Podgrainkhoye         23.01         7.25         7.76           Pindzhinskoye         63.01         7.25         7.76           Pindzhinskoye         23.01 <td< td=""><td>•</td><td></td><td></td><td></td><td></td></td<>  | •                         |          |             |             |            |
| Otdelnoye       43.50       8.53         Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paljnikovskoye       280.53       42.63         Pangodyskoye       170.59       7.55       1726.22         Parusovoye       70.54       55.37       8.98       0.10         Pavisovoye       70.54       55.37       8.98       0.10         Pavisovoye (Tomsk)       18.16       16.03       Paysataskoye       161.67       605.94         Paysyataskoye       181.65       46.61       211.90       211.90       211.90         Perekatnoye       1985.80       211.90  |                           |          |             |             |            |
| Ozernoye (Tomsk)       15.77       8.12         Ozernoye (Vostochnoye & Zapadnoye)       8.35       3.10         Pal'nikovskoye       280.53       42.63         Pangodyskoye       170.59       75.75       1726.22         Parusovoye       70.54       55.37       Parusovoye         Paul-Turskoye       8.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03       Paysyataskoye         Paytykhskoye       86.52       29.07       Pelyatkinskoye (Yenisey-Khatanga)         Pereval'noye Vostochnoye       196.65       46.61       Pereval'noye Vostochnoye         Pereval'noye Vostochnoye       196.65       7.76       Perevalnoye Vuzhnoye       24.55       7.76         Perevalnoye Vuzhnoye       13.19       3.50       Peschanoye       2885.48         Petelinskoye       202.21       37.11       Piltanskoye       2885.48         Petelinskoye       202.21       37.11       Piltanskoye       25.97       51.36         Pokachevskoye Urjwenkoye (Akhskoye,       225.97       51.36       Pokachevskoye Yuzhnoye,       Urjveskoye)       5281.87       1507.62         Pokachevskoye Yuzhnoye,       5281.87       1507.62       Pokachevskoye Severnoye       Pokachevskoye Vostochnoye  |                           |          |             |             |            |
| Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Pal'nikovskoye       8.35       3.10         Palyanovskoye       280.53       42.63         Pangodyskoye       170.59       75.75       1726.22         Parusovoye       70.54       55.37       8.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03       94.94       161.67       605.94         Pavlovskoye (Tomsk)       18.16       16.03       1985.80       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80       211.90       1985.80         Perekatnoye       196.65       46.61       96.92       1985.80         Pereval'noye Vostochnoye       196.65       48.19       96.92       1985.80       1985.80         Perevalnoye Yuzhnoye       24.55       7.76       76       96       96       198.85       28.19       98       198.95       198       1190       1190 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>   |                           |          |             |             |            |
| Pal'nikovskoye       8.35       3.10         Palyanovskoye       280.53       42.63         Pangodyskoye       170.59       75.75       1726.22         Parusovoye       70.54       55.37         Paul-Turskoye       8.98       0.10         Padyoskoye (Tomsk)       18.16       16.03         Paysyataskoye       161.67       605.94         Paytykhskoye       86.52       29.07         Perekatnoye       211.90         Perekatnoye       196.65         Perevalnoye Vuzhnoye       150.44         Perevalnoye Vuzhnoye       13.19         Peschanoye       13.19         Pestsovoye Zapadnoye       2885.48         Petelinskoye       63.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevsko-Ur/yevskoye (Akhskoye,       225.97       51.36         Lasyeganskoye, Nivagalskoye,       5281.87       1507.62         Pokachevskoye Yuzhnoye,       5281.87       1507.62         Pokachevskoye Severnoye       6.82       5.32         Pokachevskoye Vuzhnoye,       16.82       5.32         Pokachevskoye Vuzhnoye       16.  |                           |          | 8.12        |             |            |
| Palyanovskove       280.53       42.63         Pangodyskove       170.59       75.75       1726.22         Parusovoye       70.54       55.37       1726.22         Parusovoye       70.54       55.37       1726.22         Parusovoye       70.54       55.37       1726.22         Parusovskoye (Tomsk)       18.16       16.03       18.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03       1985.80         Paytykhskoye       86.52       29.07       1985.80         Perekatnoye       1985.80       211.90       1985.80         Perekatnoye       196.65       46.61       19.93       19.93         Perevalnoye Vostochnoye       196.65       7.76       19.93 <td></td> <td></td> <td></td> <td>8.07</td> <td>0.09</td>   |                           |          |             | 8.07        | 0.09       |
| Parigodyskove       170.59       75.75       1726.22         Parusovoye       70.54       55.37       8.98       0.10         Paulo-Turskoye       8.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03       940/0x80/0x       18.16       16.03         Paysyataskoye       161.67       605.94       940/0x       985.80       965.2       29.07         Perkatnoye       86.52       29.07       1985.80       211.90       966.55       46.61         Pereval'noye Vostochnoye       196.65       46.61       96.92       11.90       96.92       96.92       96.92       96.92       96.92       96.92       97.76       97.53       97.53       97.53  |                           |          |             |             |            |
| Parusovoye       70.54       55.37         Paul-Turskoye       8.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03         Paytykhskoye       161.67       605.94         Paytykhskoye       86.52       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80         Perevalnoye       211.90         Perevalnoye Vostochnoye       196.65       46.61         Perevalnoye Vuzhnoye       24.55       7.76         Perevalnoye (Tomsk)       108.85       28.19         Pestoanoye       202.21       37.11         Piltanskoye       63.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevsko-Ur'yevskoye (Akhskoye,       285.187       1507.62         Pokachevskoye Severnoye,       Pokachevskoye Severnoye,       Pokachevskoye Severnoye         (Pokachev-Ur'yev)       5281.87       1507.62         Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Vuzhnoye(Pokachev-Ur'yev)       Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         Pokachevskoye Vuzhnoye(Pokachev-Ur'yev)       Pokachevskoy  |                           |          |             |             |            |
| Paul-Turskoye       8.98       0.10         Pavlovskoye (Tomsk)       18.16       16.03         Paytokskoye (Tomsk)       18.16       16.03         Paytykhskoye       86.52       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80         Perekatnoye       211.90         Perekatnoye       24.55       7.76         Permyakovskoye (Tomsk)       108.85       28.19         Percomayskoye (Tomsk)       108.85       28.19         Peschanoye       24.55       7.76         Peromayskoye (Tomsk)       108.85       28.19         Peschanoye       2885.48       28.19         Peschanoye       24.55       7.76         Pettelinskoye       202.21       37.11         Pil'atsinskoye       23.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevskoye Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>(Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Severnoye<br>(Pokachevskoye Severnoye<br>(Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Vuzhnoye(Pokachev-Ur'yev)       Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)       Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         Po  |                           |          |             | 1726.22     |            |
| Pavlovskoye (Tomsk)       18.16       16.03         Paysyataskoye       161.67       605.94         Paytykhskoye       86.52       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80         Perekatnoye       211.90         Perevalnoye Vostochnoye       196.65       46.61         Perevalnoye Yuzhnoye       24.55       7.76         Permyakovskoye       150.44       30.42         Peromyakovskoye       13.19       3.50         Pestsnovye       202.21       37.11         Pitanskoye       63.01       7.25         Piondzhinskoye       63.01       7.25         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevskoye Yuzhnoye,       11.17       6.87         Podchevskoye Yuzhnoye,       5281.87       1507.62         Pokachevskoye Yuzhnoye,       5281.87       1507.62         Pokachevskoye Severnoye,       70.48       5.32         Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Vuzhnoye(Pokachev-Ur'yev)       70.44.38         Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)       70.44.38   |                           | 70.54    | 55.37       |             |            |
| Paysyataskoye       161.67       605.94         Paytykhskoye       86.52       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80         Perekatnoye       211.90         Pereval'noye Vostochnoye       196.65       46.61         Perevalnoye Yuzhnoye       24.55       7.76         Perevalnoye Yuzhnoye       108.85       28.19         Peschanoye       13.19       3.50         Pestsovoye Zapadnoye       24.55       7.76         Petlinskoye       202.21       37.11         Pil'tanskoye       63.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Severnoye,<br>(Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)       5281.87       1507.62         Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)       5281.87       1507.62         Pokachevskoye Vuzhnoye,<br>(Pokachev-Ur'yev)       5.32       Pokachevskoye Vuzhnoye         Pokachevskoye Vuzhnoye       357.53       144.38  |                           |          |             | 8.98        | 0.10       |
| Paytykhskoyé       86.52       29.07         Pelyatkinskoye (Yenisey-Khatanga)       1985.80         Perekatnoye       211.90         Pereval'noye Vostochnoye       196.65       46.61         Perevalnoye Yuzhnoye       24.55       7.76         Permyakovskoye       150.44       30.42         Pervomayskoye (Tomsk)       108.85       28.19         Peschanoye       24.55       7.76         Petelinskoye       202.21       37.11         Piltanskoye       63.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevskoye Yuzhnoye,       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevskoye Yuzhnoye,       11.17       6.87         Pokachevskoye Yuzhnoye,       1507.62         Ur'yevskoye)       5281.87       1507.62         Pokachevskoye Severnoye,       Pokachevskoye Severnoye,         Pokachevskoye Vuzhnoye,       16.82       5.32         Pokachevskoye Vuzhnoye       16.82       5.32         Pokachevskoye Vuzhnoye       357.53       144.38  | - · · · · ·               |          |             |             |            |
| Pelyatkinsköve (Yenisey-Khatanga)       1985.80         Perekatnoye       211.90         Pereval'noye Vostochnoye       196.65       46.61         Perevalnoye Yuzhnoye       24.55       7.76         Permyakovskoye       150.44       30.42         Peromayskoye (Tomsk)       108.85       28.19         Peschanoye       13.19       3.50         Pestsovoye Zapadnoye       202.21       37.11         Piltanskoye       63.01       7.25         Pionerskoye       11.17       6.87         Pogranichnoye (Tyumen)       225.97       51.36         Pokachevsko-Ur'yevskove (Akhskoye,       14.88       1507.62         Lasyeganskoye, Nivagalskoye,       Potochnoye, Potochnoye Severnoye,       Pokachevskoye Vostochnoye         Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Vostochnoye       16.82       5.32         Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)       Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         Pokachevskoye Yuzhnoye       5.32       2.32         Pokachevskoye Yuzhnoye       5.32       2.32         Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)       Pokachevskoye       5.32         Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)       7.33       144.38  |                           |          |             |             |            |
| Perekatnoye211.90Pereval'noye Vostochnoye196.6546.61Perevalnoye Yuzhnoye24.557.76Permyakovskoye150.4430.42Pervomayskoye (Tomsk)108.8528.19Peschanoye13.193.50Pestsovoye Zapadnoye202.2137.11Pil'tanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye5281.871507.62Pokachevskoye Vostochnoye16.825.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Yuzhnoye,<br>(Pokachevskoye Vostochnoye5.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye,<br>(Pokamasovskoye357.53144.38   |                           | 86.52    | 29.07       |             |            |
| Pereval'noye Vostochnoye         196.65         46.61           Perevalnoye Yuzhnoye         24.55         7.76           Permyakovskoye         150.44         30.42           Pervomayskoye (Tomsk)         108.85         28.19           Pestsonoye         13.19         3.50           Pestsovoye Zapadnoye         202.21         37.11           Pil'tanskoye         24.55         7.76           Petelinskoye         202.21         37.11           Pil'tanskoye         63.01         7.25           Pionerskoye         11.17         6.87           Pogranichnoye (Tyumen)         225.97         51.36           Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)         5281.87         1507.62           Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)         5.32         Pokachevskoye Vostochnoye         16.82         5.32           Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         5.32         Pokachevskoye         5.32           Pokachevskoye         357.53         144.38         5.32         5.32  |                           |          |             |             |            |
| Perevalnoye Yuzhnoye         24.55         7.76           Permyakovskoye         150.44         30.42           Pervomayskoye (Tomsk)         108.85         28.19           Peschanoye         13.19         3.50           Pestsovoye Zapadnoye         2885.48           Petelinskoye         202.21         37.11           Pil'tanskoye         24.55         7.76           Pindzhinskoye         63.01         7.25           Pionerskoye         11.17         6.87           Pogranichnoye (Tyumen)         225.97         51.36           Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,         1507.62           Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)         5281.87         1507.62           Pokachevskoye Vostochnoye         16.82         5.32           Pokachevskoye Vostochnoye         16.82         5.32           Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)         5285.53         144.38   |                           |          |             | 211.90      |            |
| Permyakovskoye150.4430.42Pervomayskoye (Tomsk)108.8528.19Peschanoye13.193.50Pestsovoye Zapadnoye202.2137.11Piltanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>(Pokachev-Ur'yev)1507.62Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)57.53144.38   |                           |          |             |             |            |
| Pervomayskoye (Tomsk)108.8528.19Peschanoye13.193.50Pestsovoye Zapadnoye202.2137.11Pitlanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Yuzhnoye<br>(Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)57.53144.38  |                           |          |             |             |            |
| Peschanoye13.193.50Pestsovoye Zapadnoye202.2137.11Petelinskoye202.2137.11Pil'tanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)537.53144.38  |                           |          |             |             |            |
| Pestsovoye Zapadnoye2885.48Petelinskoye202.2137.11Pil'tanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Vuzhnoye(Pokachev-Ur'yev)527.53144.38   |                           |          |             |             |            |
| Petelinskove202.2137.11Pil'tanskove24.557.76Pindzhinskove63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye357.53144.38  |                           | 13.19    | 3.50        |             |            |
| Pil'tanskoye24.557.76Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)5281.871507.62Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)5281.87144.38   |                           |          |             | 2885.48     |            |
| Pindzhinskoye63.017.25Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.625281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)6.82Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)537.53144.38   | •                         |          |             |             |            |
| Pionerskoye11.176.87Pogranichnoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)1507.62Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)537.53144.38  | •                         |          |             |             |            |
| Pogranichoye (Tyumen)225.9751.36Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)537.53144.38   |                           |          |             |             |            |
| Pokachevsko-Ur'yevskoye (Akhskoye,<br>Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye) 5281.87 1507.62<br>Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)<br>Pokachevskoye Vostochnoye 16.82 5.32<br>Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)<br>Pokamasovskoye 357.53 144.38  |                           |          |             |             |            |
| Lasyeganskoye, Nivagalskoye,<br>Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye) 5281.87 1507.62<br>Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)<br>Pokachevskoye Vostochnoye 16.82 5.32<br>Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)<br>Pokamasovskoye 357.53 144.38  |                           | 225.97   | 51.36       |             |            |
| Potochnoye, Potochnoye Severnoye,<br>Pokachevskoye Yuzhnoye,<br>Ur'yevskoye) 5281.87 1507.62<br>Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)<br>Pokachevskoye Vostochnoye 16.82 5.32<br>Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)<br>Pokamasovskoye 357.53 144.38  |                           |          |             |             |            |
| Pokachevskoye Yuzhnoye,<br>Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)15.825.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)9000000000000000000000000000000000000   |                           |          |             |             |            |
| Ur'yevskoye)5281.871507.62Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)15.825.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)9000000000000000000000000000000000000  |                           |          |             |             |            |
| Pokachevskoye Severnoye<br>(Pokachev-Ur'yev)16.825.32Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)7000000000000000000000000000000000000  |                           |          |             |             |            |
| (Pokachev-Ur'yev)Pokachevskoye Vostochnoye16.82Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)Pokamasovskoye357.53144.38   |                           | 5281.87  | 1507.62     |             |            |
| Pokachevskoye Vostochnoye16.825.32Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)57.53144.38   |                           |          |             |             |            |
| Pokachevskoye Yuzhnoye(Pokachev-Ur'yev)Pokamasovskoye357.53144.38  |                           |          |             |             |            |
| Pokamasovskoye 357.53 144.38   |                           |          | 5.32        |             |            |
|  |                           | • •      |             |             |            |
| Pokamasovskoye Yuzhnoye 24.55 7.81   |                           |          |             |             |            |
|  | Pokamasovskoye Yuzhnoye   | 24.55    | 7.81        |             |            |

|   | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas<br>(million | Condensate |
|---|-----------------------------------|--|----------------------------------|------------|
| Field Name                                    | barrels)                          | cubic feet)                                      | cubic feet)                      | barrels)   |
|   | 04.55                             | 7.04   |                                  |            |
| Pokamasovskoye Zapadnoye                      | 24.55                             | 7.81   | 000.04                           | 0.70       |
| Pokhromskoye                                  | 200 42                            | 70.40  | 889.34                           | 9.78       |
| Pokurskoye Severskoye                         | 398.12                            | 79.43  |                                  |            |
| Poludennoye (Tomsk)                           | 74.80                             | 18.48  |                                  |            |
| Poludennoye (Tyumen)                          | 622.66                            | 104.82   |                                  |            |
| Poludennoye Severnoye                         | 11.17                             | 6.87   |                                  |            |
| Polun'yakhskoye                               | 11.12                             | 9.82   |                                  |            |
| Pomaliyakhskoye Severnoye                     | 6.20                              | 1.77   |                                  |            |
| Pon'zhevoye                                   | 4.37                              | 0.59   |                                  |            |
| Poselkovoye                                   | 6.14                              | 1.38   |                                  |            |
| Posnokortskoye                                | 2.00                              | 1.00   |                                  |            |
| Potanayskove                                  | 95.50                             | 90.25  |                                  |            |
| Potanayskoye Severnoye                        | 3.32<br>1.81                      | 1.41<br>0.63                                     |                                  |            |
| Potanayskoye Vostochnoye                      |                                   |  |                                  |            |
| Potanayskoye Yuzhnoye                         | 15.87                             | 6.69   |                                  |            |
| Potochnoye Severnoye(Poka-Ury)                | 376.54<br>337.15                  | 107.31<br>84.66                                  |                                  |            |
| Potochnoye(Poka-Ury)                          | 26.84                             | 3.25   |                                  |            |
| Pottymskoye<br>Povkhovskoye                   | 20.84<br>2100.71                  |  |                                  |            |
|   | 2100.71                           | 797.07<br>7.76                                   |                                  |            |
| Povkhovskoye Severnoye                        |                                   |  |                                  |            |
| Povkhovskoye Yuzhnoye<br>Pravdinsk-Salymskoye | 24.55<br>2255.19                  | 7.76<br>656.06                                   |                                  |            |
|   | 2255.19                           | 7.82   |                                  |            |
| Pridorozhnoye Vostochnoye                     | 4219.82                           | 1202.65  |                                  |            |
| Priobskoye<br>Priobskoye Severnoye            | 6.81                              | 2.29   |                                  |            |
|   | 1.30                              | 0.40   |                                  |            |
| Priobskoye Zapadnoye                          | 5.03                              | 1.86   |                                  |            |
| Prirakhtovskoye<br>Prisklonovoye              | 32.23                             | 28.88  |                                  |            |
| Promezhutochnoye                              | 24.55                             | 7.82   |                                  |            |
| Protochnoye                                   | 49.63                             | 9.53   |                                  |            |
| Protochnoye Severnoye                         | 2.64                              | 0.48   |                                  |            |
| Protochnoye Yuzhnoye                          | 1.76                              | 0.40   |                                  |            |
| Puglalymskoye                                 | 141.34                            | 431.08   |                                  |            |
| Pulpuyakhskoye                                | 185.03                            | 92.14  |                                  |            |
| Punginskoye                                   | 105.05                            | 32.14  | 544.84                           | 5.99       |
| Purovskoye Severnoye                          |                                   |  | 923.65                           | 5.55       |
| Purpeyskoye Yuzhnoye                          | 12.97                             | 5.22   | 920.00                           |            |
| Purpeyskoye Zapadnoye                         | 35.85                             | 32.12  |                                  |            |
| Pyakutaskoye                                  | 45.88                             | 14.50  |                                  |            |
| Pyakutaskoye Vostochnoye                      | 61.82                             | 17.62  |                                  |            |
| Pyakyakhinskoye                               | 01.02                             | 17.02  | 1494.14                          |            |
| Pyamaliyakhskoye Severnoye                    | 64.43                             | 57.73  | 1434.14                          |            |
| Pylinskoye                                    | 32.94                             | 23.98  |                                  |            |
| Pylinskove Zapadnove                          | 24.55                             | 7.75   |                                  |            |
| Pyrey (Pyreynoye)                             | 24.00                             | 1.15   | 77.79                            |            |
| Pyreynoye Yuzhnoye                            | 342.08                            | 170.35   | 1124.35                          |            |
| Rakitinskoye                                  | 342.08<br>148.49                  | 28.21  | 1124.00                          |            |
| Ravenskoye                                    | 36.00                             | 13.35  |                                  |            |
|   | 36.00<br>66.25                    |  |                                  |            |
| Ravninnoye                                    | 00.20                             | 37.39  |                                  |            |

 Table 2D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| Basin (Sorted Alphabetic                         |           |                   |               |            |
|--|-----------|-------------------|---------------|------------|
|  | Ultimate  | Associated-       | Nonassociated |            |
|  | Crude Oil | Disolved Gas      | Gas           | Condensate |
|  | (million  | (billion (billion | (million      |            |
| Field Name                                       | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
|  | ,         | ,                 | ,             | ,          |
| Rodnikovoye                                      | 352.28    | 100.40            |               |            |
| Rogozhnikovskoye                                 | 1388.21   | 246.20            |               |            |
| Rogozhnikovskoye Severnoye                       | 32.42     | 10.89             |               |            |
| Rogozhnikovskoye Yuzhnoye                        | 14.42     | 4.84              |               |            |
| Rogozhnikovskoye Zapadnoye                       | 32.42     | 10.89             |               |            |
| Romanovskoye                                     | 103.86    | 21.91             |               |            |
| Roslavlskoye                                     | 76.46     | 32.50             |               |            |
| Rostovtsevskoye                                  | 70.40     | 52.50             | 629.14        |            |
| Rubinovoye                                       | 3.07      | 0.70              | 023.14        |            |
| Ruch'yevskoye                                    | 2.76      | 1.20              |               |            |
| Ruf'yeganskoye                                   | 4.78      | 1.72              |               |            |
|  | 4.70      | 1.72              |               |            |
| Rusanovskoye                                     | 71.68     | 21.91             |               |            |
| Russkinskoye(Tevlin-Konit.)<br>Russkorechenskoye | 123.04    | 69.44             |               |            |
|  |           |                   | 0004.04       |            |
| Russkoye   | 2702.07   | 402.61            | 2804.31       |            |
| Russkoye Yuzhnoye                                | 0.40      | 0.70              | 16121.27      |            |
| Ryamnoye   | 6.10      | 2.76              |               |            |
| Rybalnoye  | 19.77     | 7.47              |               |            |
| Sakhalinskoye (Tyumen)                           | 90.49     | 22.10             |               |            |
| Sakhalinskoye Vostochnoye                        | 60.46     | 17.78             |               |            |
| Salekaptskoye                                    | 189.29    | 106.84            |               |            |
| Salymskoye                                       | 24.55     | 7.75              |               |            |
| Salymskoye Central (Srednesalym)                 | 104.32    | 29.73             |               |            |
| Salymskoye Severnny                              | 163.66    | 46.64             |               |            |
| Salymskoye Vostochnoye                           | 19.88     | 6.28              |               |            |
| Salymskoye Zapadnoye                             | 65.25     | 20.64             |               |            |
| Samburgskoye Yuzhnoye(Urengoy)                   | 157.46    | 78.42             |               |            |
| Samburgskoye (Urengoy)                           | 692.04    | 344.63            |               |            |
| Samotlorskoye (Vata, Megion, Pokur               | Sev.,     |                   |               |            |
| Mykhpay, Orekhovo Sev.)                          | 24660.99  | 11879.84          | 3161.97       |            |
| Sandibinskoye                                    | 63.30     | 29.69             |               |            |
| Saporkinskoye                                    | 36.91     | 10.52             | 47.20         | 0.85       |
| Sardakovskoye Yuzhnoye                           | 15.29     | 4.83              |               |            |
| Savuyskoye                                       | 291.32    | 83.90             |               |            |
| Saygataskoye                                     | 150.53    | 36.46             |               |            |
| Selimkhanov                                      | 116.57    | 45.08             | 16.38         | 0.48       |
| Selivonikskoye                                   | 10.54     | 6.38              |               |            |
| Seliyarovskoye                                   | 12.97     | 10.89             |               |            |
| Seliyarovskove Severnove                         | 48.98     | 8.82              |               |            |
| Semakovskoye-Anderpayuta                         |           |                   | 30198.29      |            |
| Semividovskoye Vostochnoye                       |           |                   |               |            |
| Severnoye  | 241.61    | 80.63             | 782.87        | 15.54      |
| Seyakhinskoye Zapadnoye                          |           |                   | 2298.15       |            |
| Shapshinskoye                                    | 124.62    | 35.52             |               |            |
| Shchuch'yeskoye                                  | 41.42     | 24.11             |               |            |
| Sheburskoye Vostochnoye                          | 12.04     | 1.69              |               |            |
| Shinginskoye                                     | 12.30     | 5.30              |               |            |
| Shirokovskoye                                    | 89.77     | 25.80             |               |            |
| Shirotoye  | 47.32     | 17.89             |               |            |
| Shirothoye<br>Shtomovoye                         | 41.32     | 17.09             | 15.00         |            |
| Ginomovoye                                       |           |                   | 15.00         |            |

| Basin (Sorted Alphabetica                       | ally by Field N                   | <u> </u>   |                                  |            |
|---|-----------------------------------|--|----------------------------------|------------|
|   | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas<br>(million | Condensate |
| Field Name                                      | barrels)                          | cubic feet)                                      | cubic feet)                      | barrels)   |
|   |                                   |  |                                  |            |
| Shukhtungortskoye Vostochnny                    |                                   |  | 149.86                           | 1.65       |
| Shukhtungortskoye Zapadnoye                     |                                   |  | 92.74                            | 1.02       |
| Shukhtungortskoye                               | 65.04                             | 22.06  | 135.96                           | 1.50       |
| Shushminskoye                                   | 65.94<br>6.49                     | 23.96  |                                  |            |
| Shushminskoye Severnoye                         | 6.49<br>12.51                     | 2.40<br>4.36                                     |                                  |            |
| Shushminskoye Yuzhnoye<br>Siktorskoye Severnoye | 49.65                             | 46.88  |                                  |            |
| Sil'ginskoye Severnoye                          | 49.05                             | 40.00  | 244.63                           | 7.17       |
| Slavinskoye                                     | 12.51                             | 4.38   | 244.03                           | 7.17       |
| Smolyanoye                                      | 6.43                              | 2.43   |                                  |            |
| Snezhnoye                                       | 37.04                             | 14.00  |                                  |            |
| Sobolinoye                                      | 183.05                            | 28.56  |                                  |            |
| Soimlorskoye Severnoye                          | 87.66                             | 36.56  |                                  |            |
| Sokhtymskoye                                    | 2.00                              | 1.00   |                                  |            |
| Soleninskove Severnove(UstYenisey)              | 2.00                              |  | 409.87                           |            |
| Soleninskoye Yuzhno (Ust Yenisey)               |                                   |  | 561.30                           | 12.30      |
| Soletskoye                                      |                                   |  | 1893.51                          |            |
| Solkinskoye Zapadnoye                           | 7.06                              | 1.61   |                                  |            |
| Solonovskoye                                    | 10.60                             | 4.45   |                                  |            |
| Sorominskove                                    | 5.13                              | 1.90   |                                  |            |
| Sorominskove Severnove                          | 2.55                              | 0.81   |                                  |            |
| Sorominskoye Zapadnoye                          | 0.51                              | 0.16   |                                  |            |
| Sortymskove                                     | 24.55                             | 7.77   |                                  |            |
| Sorymskoye                                      | 33.08                             | 8.27   |                                  |            |
| Sosnovomysskoye(Krasnoleninskoye)               | 140.33                            | 51.78  |                                  |            |
| Sote-Yuganskoye Severnoye                       |                                   |  | 10.52                            | 0.12       |
| Sote-Yuganskoye Yuzhnoye                        |                                   |  | 91.37                            | 1.01       |
| Sote-Yuganskoye                                 |                                   |  |                                  |            |
| Sovetskoye                                      | 6050.59                           | 1579.28  |                                  |            |
| Sporishevskoye                                  | 2.00                              | 1.00   |                                  |            |
| Srede-Kharampur                                 | 7.55                              | 4.14   |                                  |            |
| Sredne Khulymskoye                              | 354.46                            | 101.02   |                                  |            |
| Sredne-Imurskoye                                | 2.00                              | 1.00   |                                  |            |
| Sredne-Iterskoye                                | 24.55                             | 7.82   |                                  |            |
| Sredne-Shapshinskoye                            | 24.55                             | 7.82   | 00.05                            | 074        |
| Sredne-Vasyuganskoye                            | 254.82                            | 75.53  | 93.65                            | 2.74       |
| Sredne-Vatlorskoye                              | 64.22                             | 16.12  |                                  |            |
| Sredneasomkinskoye                              | 34.15                             | 10.81  | E94 E0                           | 10.50      |
| Srednebalyk                                     | 104.79<br>22.83                   | 14.73<br>8.63                                    | 584.50                           | 10.52      |
| Srednechernogorskoye<br>Srednekondinskoye       | 22.03                             | 1.00   |                                  |            |
| Srednenazymskoye                                | 136.59                            | 96.32  |                                  |            |
|   | 132.64                            | 23.88  |                                  |            |
| Srednenyurol'skoye<br>Srednesil'ginskoye        | 132.04                            | 23.00  | 40.39                            | 0.32       |
| Sredneteterevskoye                              | 12.51                             | 4.36   | 40.55                            | 0.52       |
| Sredneugutskoye                                 | 24.55                             | 7.78   |                                  |            |
| Sredneyamalskoye                                | 24.00                             | 1.10   | 16678.72                         | 26.02      |
| Sredniy Lykhmskoye                              | 72.10                             | 24.22  | 10070.72                         | 20.02      |
| Sredne Nazymskoye                               | 12.10                             | 27.22  |                                  |            |
| Stakhanovskoye                                  | 661.27                            | 243.96   |                                  |            |
|   |                                   |  |                                  |            |

| Utimate<br>(million<br>barrels)         Associated<br>(billion (billion<br>cubic feet)         Nonassociated<br>(million<br>cubic feet)         Condensate<br>(condensate<br>(billion<br>cubic feet)           Staknanovskoye Severnoye         42.13         23.78         Condensate<br>(billion (billion<br>cubic feet)         Execution<br>(condensate<br>(billion (billion<br>cubic feet)         Execution<br>(condensate<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion<br>(billion | Basin (Sorted Alphabetic              |           |                   |               |            |
|--|---------------------------------------|-----------|-------------------|---------------|------------|
| Field Name         (million barrels)         (billion (billion (billion feet) cubic feet)         barrels)           Staknanovskoye Severnoye         42.13         23.78         cubic feet)         barrels)           Stavpoplskoye         2.00         1.00         stavpoplskoye         2.00         1.00           Strezhevoye         28.63         7.19         stavpoplskoye         3.06         0.97           Strezhevoye         28.63         7.19         stavpoplskoye         3.02         1.11           Surgutskoye Vostochnoye         3.02         2.1.71         Strezhevoye Vostochnoye         20.48           Surgutskoye Vostochnoy         1540.86         366.26         strugutskoye Vostochnoye         2.0.0           Surgutskoye Vostochnoye         2.00         1.00         strugutskoye Vostochnoye         2.00           Stutorninskoye         24.79         1364.58         strutninskoye         242.73           Sutorninskoye Vostochnaya         193.90         2424.70         strutninskoye           Systonsyninskoye         12.51         4.36         strutninskoye         2.67           Syskonsyninskoye         12.51         4.36         2.07         138.38         2.07           Syskonsynyakoye Vostochnaya         91.41   |                                       |           | Associated-       | Nonassociated |            |
| Field Name         barrels)         cubic feet)         cubic feet)         barrels)           Stakhanovskoye Severnoye         42.13         23.78         23.78           Stavnopolskoye         2.00         1.00         500           Stolbovoye         82.71         23.16         23.78           Strezhevoye Vostochnoye         3.06         0.97         500           Studenoye         40.28         21.71         23.16           Surgutskoye Severnoye         431.28         85.18         1137.75         20.48           Surgutskoye Vostochnoy         125.68         34.08         356.26         350.20           Surgutskoye Vostochnoye         2.00         1.00         300         2424.70         3064.58           Sutorninskoye Vostochnoye         2.00         1.00         300         2424.70         300         242.70         2.67           Symoryakhskoye         12.51         4.36         21.27         2.67         398.37         19.39         242.70         2.67           Syskonsynyaskoye Vostochnaya         2.247         2.67         398.37         14.31         1.01           Syskonsynyaskoye Vostochnaya         2.42.79         2.67         398.37         14.1         1.01  |                                       | Crude Oil | Disolved Gas      | Gas           | Condensate |
| Stakhanovskoye Severnoye         42.13         23.78           Stavropolškoye         2.00         1.00           Stolbovoye         82.71         23.16           Strezhevoye         28.63         7.19           Strezhevoye         92.66         0.97           Studenoye         40.28         21.71           Surgutskoye Severnoye         431.28         85.18         1137.75           Strezhevoye Vostachnny         (Federoxo-Surgut)         125.68         34.08           Surgutskoye Vostachnny         (Federoxo-Surgut)         125.68         34.08           Surgutskoye Vzahnny(Federovo)         1540.86         356.26         Surprinskoye Vzahnny(Federovo)           Sutorninskoye Vzahnoye         2.00         1.00         Sutorninskoye Zapadnoye         413.15           Symoryaktnskoye Vastachnaye         2.81         13.49         Sutorninskoye Zapadnay         39.13           Sutorninskoye Zapadnaya         12.51         4.36         59.57         53.39         16.65           Syskonsyniaskoye Vuzhnoye         4.71         2.22         16.33         16.65           Syskonsynaskoye Vuzhnoye         52.46         21.27         59.56         16.65           Syskonsynaskoye Vuzhnoye         52.48   |                                       | (million  | (billion (billion |               |            |
| Stavnopolskoyé 200 1.00<br>Stolbovoye 82.71 23.16<br>Strezhevoye Vostochnoye 3.06 0.97<br>Strezhevoye Vostochnoye 3.06 0.97<br>Strezhevoye Vostochnoye 3.02 21.71<br>Sugutskoye Severnoye 3.327.14 768.67<br>Surgutskoye Vostochnoy<br>(Federovo-Surgut) 125.68 34.08<br>Surgutskoye Zapadnoye 1540.86 356.26<br>Surgutskoye Zapadnoye 2.00 1.00<br>Sutorninskoye Vostochnoye 2.20 1.00<br>Sutorninskoye Vostochnoye 2.468 22.11<br>Sutorninskoye Zapadnoye 389.37 193.90 2424.70<br>Syadorskoye (Syadorakha) 413.15<br>Symoryakhskoye a 389.37 193.90 2424.70<br>Syskonsynaskoye Vuzhnaye 54.46 21.27<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 71.82<br>Taguriskoye 334.81 71.82<br>Taguriskoye 3374.81 71.82<br>Taguriskoye Yuzhnaya 331.01<br>Talinskoye Severnoye 33.42<br>Talinskoye Severnoye 33.42<br>Tambeyskoye Yuzhnoye 143.29 128.39<br>Talinskoye Severnoye 331.01<br>Taplorskoye Yuzhnoye 143.29 128.39<br>Tantovskoye Yuzhnoye 143.29<br>Tanbeyskoye Yuzhnoye 143.29<br>TarkovSkoye Yuzhnoye 5.54 2.53<br>TarkovSkoye Yuzhnoye 5.54 2.53<br>TarkovSkoye Yuzhnoye 7.7 131.68 4122.40 26.90<br>TarkovSkoye Yuzhnoye 7.7 131.68 4122.40 26.90<br>TarkovSkoye Yuzhnoye 7.63 71.35<br>TarkovSkoye Yuzhnoye 7.60 7.1  | Field Name                            | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Stavnopolskoyé 200 1.00<br>Stolbovoye 82.71 23.16<br>Strezhevoye Vostochnoye 3.06 0.97<br>Strezhevoye Vostochnoye 3.06 0.97<br>Strezhevoye Vostochnoye 3.02 21.71<br>Sugutskoye Severnoye 3.327.14 768.67<br>Surgutskoye Vostochnoy<br>(Federovo-Surgut) 125.68 34.08<br>Surgutskoye Zapadnoye 1540.86 356.26<br>Surgutskoye Zapadnoye 2.00 1.00<br>Sutorninskoye Vostochnoye 2.20 1.00<br>Sutorninskoye Vostochnoye 2.468 22.11<br>Sutorninskoye Zapadnoye 389.37 193.90 2424.70<br>Syadorskoye (Syadorakha) 413.15<br>Symoryakhskoye a 389.37 193.90 2424.70<br>Syskonsynaskoye Vuzhnaye 54.46 21.27<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 1.01<br>Syskonsynaskoye Vuzhnaya 91.41 71.82<br>Taguriskoye 334.81 71.82<br>Taguriskoye 3374.81 71.82<br>Taguriskoye Yuzhnaya 331.01<br>Talinskoye Severnoye 33.42<br>Talinskoye Severnoye 33.42<br>Tambeyskoye Yuzhnoye 143.29 128.39<br>Talinskoye Severnoye 331.01<br>Taplorskoye Yuzhnoye 143.29 128.39<br>Tantovskoye Yuzhnoye 143.29<br>Tanbeyskoye Yuzhnoye 143.29<br>TarkovSkoye Yuzhnoye 5.54 2.53<br>TarkovSkoye Yuzhnoye 5.54 2.53<br>TarkovSkoye Yuzhnoye 7.7 131.68 4122.40 26.90<br>TarkovSkoye Yuzhnoye 7.7 131.68 4122.40 26.90<br>TarkovSkoye Yuzhnoye 7.63 71.35<br>TarkovSkoye Yuzhnoye 7.60 7.1  |                                       |           |                   |               |            |
| Stolbovge         82.71         23.16           Strezhevoge Vostochnoye         3.06         0.97           Strezhevoge Vostochnoye         3.06         0.97           Studenoye         40.28         21.71           Surgutskoye Severnoye         431.28         85.18         1137.75         20.48           Surgutskoye Vostochnny         (Federovo-Surgut)         125.68         34.08         50.20           Surgutskoye Vostochnoye         20.0         1.00         50.20         1.00           Sutoriinskoye         42.23         12.04         50.20         1.00           Sutoriinskoye Vostochnoye         2.00         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         1.00         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20         50.20<  |                                       |           |                   |               |            |
| Strezhevoye       28.63       7.19         Strezhevoye Vostochnoye       3.06       0.97         Studenoye       40.28       21.71         Sugmutskoye Severnoye       3327.14       768.57         Surgutskoye Vostochnny       (Federovo-Surgut)       125.68       34.08         Surgutskoye Vzahnoy(Federovo)       1540.86       356.26       Streptiskoye Vathony(Federovo)         Surgutskoye Zapadnoye       (Federovo-Surgut)       787.05       177.33         Surprinskoye Vostochnoye       2.00       1.00       Stotminskoye Zapadnoye         (Federovo-Surgut)       787.05       177.33       Surprinskoye Vostochnoye       2.00       1.00         Sutorminskoye Zapadnoye       42.23       12.04       Stotminskoye Zapadnoye       Stotminskoye Zapadnoye       2.41.1         Sutorminskoye Zapadnoye       2.42.68       22.11       Stotminskoye Zapadnoye       3.19.49         Sutorminskoye Zapadnoya       12.51       4.36       Symoryakhskoye       2.42.79       2.67         Syskonsynyaskoye Vuzhnaya       91.41       1.01       Syskonsynyaskoye Vuzhnaya       91.41       1.01         Syskonsynyaskoye Vuzhnoye       152.48       25.62       2.32.02       2.80       2.80         Tagutskoye       3  |                                       |           |                   |               |            |
| Strezhevoje Vostochnoye       3.06       0.97         Studenoye       40.28       21.71         Stugmutskoye       3327.14       768.57         Surgutskoye Vostochnny       (Federovo-Surgut)       125.68       34.08         Surgutskoye Zapadnoye       (Federovo-Surgut)       125.68       34.08         Surgutskoye Zapadnoye       (Federovo-Surgut)       77.33         Surprinskoye Vostochnoye       2.00       1.00         Sutorlinskoye       42.23       12.04         Sutorninskoye Vostochnoye       2.00       1.00         Sutorninskoye Vostochnoye       2.468       22.11         Sutorninskoye Vathoye       24.66       22.11         Sutorninskoye Sapadnoy       39.13       19.49         Sutorninskoye Vostochnaya       413.15       5         Syn'yeganskoye (Syadorakha)       1513.39       16.65         Syskonsyninskoye       24.61       2.07         Syskonsynyaskoye Vostochnaya       242.1       2.67         Syskonsynyaskoye Vuzhnaya       11.41       1.01         Syskonsynyaskoye Vuzhnaya       11.41       1.01         Syskonsynyaskoye Vuzhnaya       2.02       2.67         Syskonsynyaskoye Vuzhnaya       2.01       2.07  |                                       |           |                   |               |            |
| Studenoyé       40.28       21.71         Sugmutskoye       3327.14       768.57         Surgutskoye Vostochnny       (Federox-Surgut)       125.68       34.08         Surgutskoye Yuzhnny(Federovo)       1540.86       356.26       (Federox-Surgut)       787.05       177.33         Surpitskoye Vostochnoye       2.00       1.00       (Federox-Surgut)       787.05       177.33         Sutoriniskoye Vazhandoye       242.3       12.04       (Federox-Surgut)       39.13       19.49         Sutoriniskoye Vazhnoye       242.88       22.11       Sutorminskoye Zapadnny       39.13       19.49         Sutorminskoye Syadarskoye       34.46       21.27       Syadorskoye       242.70         Syadorskoye (Syadorakha)       91.41       1.01       Syskonsynyaskoye Vostochnaya       91.41       1.01         Syskonsynyaskoye Vuzhnoye       4.71       2.22       2.67       2.67         Syskonsynyaskoye Vuzhnoye       4.71       2.22       188.38       2.07         Tabaganskoye Yuzhnoye       152.48       25.62       2       2         Tagayskoye Yuzhnoye       2.76       1.02       1       2.83       2.07         Tabagaskoye Sevennoye       2.76       1.02       1  |                                       |           |                   |               |            |
| Sugmutékoye         3327.14         768.57           Surgutskoye Severnoye         431.28         85.18         1137.75         20.48           Surgutskoye Vostochnny         [Federovo-Surgut)         125.68         34.08         356.26           Surgutskoye Vostochnoye         200         1.00         1.00         Surgutskoye Vostochnoye         2.00         1.00           Sutprinskoye Vostochnoye         2.00         1.00         Sutorninskoye         242.23         12.04           Sutorninskoye Vostochnoye         246.68         22.11         Sutorninskoye Yuzhnoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15         5         5         5         5           Syskonsynyaskoye Vostochnaya         24.270         5<  |                                       |           |                   |               |            |
| Surgutskové Severnove         431.28         85.18         1137.75         20.48           Surgutskove Vostochnny         125.68         34.08         Surgutskove Vargut)         125.68         34.08           Surgutskove Vargut)         125.68         34.08         Streutskove Vargut)         787.05         177.33           Surgutskove Vostochnoye         2.00         1.00         Sutorninskoye         42.23         12.04           Sutorninskoye Vostochnoye         2.468         22.11         Sutorninskoye Zapadnoye         413.15           Sutorninskoye Zapadny         39.13         194.9         Sutorninskoye         389.37         193.90         2424.70           Sydorskoye (Syadorakha)         413.15         Symor'yakhskoye         12.51         4.36           Synipaskoye Vostochnaya         242.79         2.67         Syskonsynipaskoye Vostochnaya         91.41         1.01           Syskonsynyaskoye Vostochnaya         242.79         2.67         Syskonsynyaskoye Vostochnaya         125.48         25.62           Tagajnskoye         171         2.22         138.38         2.07         138.38         2.07           Talinskoye Zapadnoye         2.76         1.02         127.72         138.38         2.07         138.38         2.07 <td></td> <td></td> <td></td> <td></td> <td></td>   |                                       |           |                   |               |            |
| Surgutskoye Vostochnny<br>(Federovo-Surgut)         125.68         34.08           Surgutskoye Zapadnoye   |                                       |           |                   |               |            |
| (Federovo-Surgut)       125.68       34.08         Surgutskoye Yuzhnny(Federovo)       1540.86       356.26         Surgutskoye Zapadnoye       (Federovo-Surgut)       787.05       177.33         Surprinskoye Vostochnoye       2.00       1.00       1.00         Sutoriinskoye       24.23       12.04       12.04         Sutorminskoye Vazhonye       246.8       22.11       1.01         Sutorminskoye Zapadnny       39.13       19.49       19.49         Sutorminskoye Zapadnay       39.13       19.49       1.15         Sydorskoye (Syadorakha)       413.15       1.5       1.5         Symoryakhskoye       12.51       4.36       4.31.5       1.6.65         Syskonsyninskoye       154.46       21.27       2.67       2.67         Syskonsynyaskoye Vostochnaya       242.79       2.67       2.67       2.9       2.67         Syskonsynyaskoye Vuzhnaya       19.41       1.01       1.01       1.01       1.01       1.01       1.02       1.03       1.6.65       2.9       1.04       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       1.02       <  | Surgutskoye Severnoye                 | 431.28    | 85.18             | 1137.75       | 20.48      |
| Surgutskoye Yuzhnny(Federovo)         1540.86         356.26           Surgutskoye Zapadnoye         787.05         177.33           (Federovo-Surgut)         787.05         177.33           Sutprinskoye Vostochnoye         2.00         1.00           Sutorninskoye         42.23         12.04           Sutorninskoye         2479.98         1364.58           Sutorninskoye Zapadnny         39.13         19.49           Suzunskoye         389.37         139.30         2424.70           Syadorskoye (Syadorakha)         413.15         Symoriyakhskoye         12.51         4.36           Syminyakoye Vostochnaya         91.41         1.01         Syskonsyninskoye         2.67           Syskonsynyaskoye Vuzhnaya         91.41         1.01         Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskoye         4.71         2.22         Tagayskoye         152.48         25.62           Taginskoye         95.64         17.79         Talinkovye         2177.27           Talinskoye         299.39         110.47         1932.39         22.80           Tambeyskoye Zapadnoye         2.76         1.02         1946.63           Tambeyskoye Zapadnoye         1942.29         200.9  |                                       |           |                   |               |            |
| Surgitskove Zapadnöve<br>(Federovo-Surgut)         787.05         177.33           Surprinskove Vostochnoye         2.00         1.00           Sutorninskove Vuzhnoye         2479.98         1364.58           Sutorminskove Zapadnny         39.13         194.49           Sutorminskove Zapadnny         39.33         193.49           Sutorminskove Zapadnny         389.37         193.90           Syadorskove (Syadorakha)         413.15           Symry kyskove         12.51         4.36           Syn'yeganskove Vostochnaya         2427.9         2.67           Syskonsynyaskove Vostochnaya         91.41         1.01           Syskonsynyaskove Vuzhnoye         4.71         2.22           Tagayskoye         152.48         26.62           Taginskoye         32.42         10.89           Tambayeskoye Zapadnoye         2.76         1.02           Tambeyskoye Zapadnoye         2.76         1.02           Tambeyskoye Zapadnoye         104.47         1.932.39           Talinskove         2.99.39         110.47           Talinskove         1.932.39         22.80           Tambeyskoye Zapadnoye         1.932.39         22.80           Tambeyskoye Zapadnoye         1.946.63         <  |                                       |           |                   |               |            |
| (Federovo-Surgut)       787.05       177.33         Surprinskoye Vostochnoye       2.00       1.00         Sutorlinskoye       22.23       12.04         Sutorminskoye Yuzhnoye       24.68       22.11         Sutorminskoye Zapadnny       381.3       19.49         Suzunskoye (Syadorakha)       413.15         Symor'yakhskoye       24.66       21.27         Symoryakhskoye       12.51       4.36         Synn'yeganskoye       54.46       21.27         Syskonsynnaskoye Vostochnaya       242.79       2.67         Syskonsynyaskoye Vostochnaya       91.41       1.01         Syskonsynyaskoye Vostochnaya       91.41       1.01         Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye Zuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Taginskoye       299.39       110.47         Talinskoye       299.39       10.47         Talinskoye       1932.39       22.80         Tambeyskoye Severnoye       2177.27         Tambeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Yuzhnoye       143.29       128.39         Tanloxskoye Yuzhnoye       1.3   |                                       | 1540.86   | 356.26            |               |            |
| Surprinskoye Vostochnoye         2.00         1.00           Sutoriinskoye         42.23         12.04           Sutorminskoye         24.79.98         1364.58           Sutorminskoye Yuzhnoye         24.68         22.11           Sutorminskoye Zapadnny         39.13         19.49           Suzunskoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15         413.15           Symryjeganskoye         54.46         21.27           Syskonsyninskoye         242.79         2.67           Syskonsyninskoye Vostochnaya         242.79         2.67           Syskonsynyaskoye Vostochnaya         91.41         1.01           Syskonsynyaskoye Yuzhnoye         4.71         2.22           Tagajskoye         152.48         25.62           Taguiskoye         295.64         17.79           Talinskoye         299.39         110.47           Talinskoye Zapadnoye         2.76         1.02           Tambeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Yuzhnoye         143.29         128.39           Tambeyskoye Yuzhnoye         1.37         175.55         3.16           Tansouskoye Yuzhnoye         1.942   |                                       |           |                   |               |            |
| Sutorlinskoye         42.23         12.04           Sutorminskoye         2479.98         1364.58           Sutorminskoye Zapadnny         39.13         19.49           Suzomskoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15         4.36           Symoryakhskoye         12.51         4.36           Syskonsyniaskoye Vostochnaya         242.79         2.67           Syskonsyniaskoye Vostochnaya         1513.39         16.65           Syskonsyniaskoye Vazhnaya         91.41         1.01           Syskonsyniaskoye Vazhnaya         188.38         2.07           Tabaganskoye Yuzhnaya         188.38         2.07           Tabaganskoye Yuzhnaya         188.38         2.07           Tajayiskoye         374.81         71.82           Taguiskoye         25.64         17.79           Talinskoye         299.39         110.47           Talinskoye Zapadnoye         2.76         1.02           Tambeyskoye Severnoye         2177.27         1340           Tambeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Yuzhnoye         1.37         175.55         3.16           Tanusalinskoye         3.70<   | · · · · · · · · · · · · · · · · · · · |           |                   |               |            |
| Sutorminskoye         2479.98         1364.58           Sutorminskoye Zapadnny         39.13         19.49           Suzunskoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15         436           Symor'yakhskoye         12.51         4.36           Syn'yeganskoye         54.46         21.27           Syskonsyninskoye         1513.39         16.65           Syskonsynyaskoye Vostochnaya         91.41         1.01           Syskonsynyaskoye Vuzhnaya         91.41         1.01           Syskonsynyaskoye Vuzhnaya         188.38         2.07           Tabaganskoye         152.48         25.62         25.62           Tagui'skoye         95.64         17.79         17.82           Tadinskoye         29.93         110.47         10.47           Talinskoye         29.93         110.47         1946.63           Tambeyskoye Yuzhnoye         2.76         1.02         1946.63           Tambeyskoye Yuzhnoye         143.29         128.39         1         1.66.5           Tambeyskoye Yuzhnoye         143.29         128.39         1         1           Tamboyskoye Yuzhnoye         1.01         1.946.63         <   |                                       |           |                   |               |            |
| Sutorminskove Yuzhnoye         24.68         22.11           Sutorminskove Zapadnny         39.13         19.49           Suzunskove         389.37         193.90         2424.70           Syadorškove (Syadorakha)         413.15         413.15           Symoryakhskove         12.51         4.36           Syrhorysinskove         242.79         2.67           Syskonsyninskove Vuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskove Yuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskove Yuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskove Yuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskove Yuzhnoye         4.71         2.22         Tagayiskove           Taguiskoye         95.64         17.79         Talinskove         242.79         2.80           Tambyskoye Sapadnoye         2.76         1.02         Tambeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Yuzhnoye         143.29  | <b>,</b>                              |           |                   |               |            |
| Sutorminskoye Zapadnny         39.13         19.49           Suzunskoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15           Symor'yakhskoye         12.51         4.36           Synnoryakhskoye         54.46         21.27           Syskonsyninskoye         242.79         2.67           Syskonsynjaskoye Vostochnaya         91.41         1.01           Syskonsynjaskoye Vuzhnaya         91.41         1.01           Syskonsynjaskoye Vuzhnoye         4.71         2.22           Tagajnskoye         374.81         71.82           Tagul'skoye         95.64         17.79           Talinskovye         299.39         110.47           Talinskoye Zapadnoye         2.42         10.89           Tambeyskoye Severnoye         1932.39         22.80           Tambeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Yuzhnoye         143.29         128.39           Tambeyskoye Yuzhnoye         143.29         128.39           Tambeyskoye Yuzhnoye         1.37         175.55         3.16           Tanlovskoye Yuzhnoye         143.29         28.99         1           Tanbovskoye Yuzhnoye         2.22 </td <td></td> <td></td> <td></td> <td></td> <td></td>  |                                       |           |                   |               |            |
| Suzunskoye         389.37         193.90         2424.70           Syadorskoye (Syadorakha)         413.15           Symorjvakhskoye         12.51         4.36           Syn'yeganskoye         24.46         21.27           Syskonsyniaskoye Vostochnaya         242.79         2.67           Syskonsynyaskoye Yuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskoye         374.81         71.82           Taguiskoye         95.64         17.79           Talinskoye         242.29         2.80           Talinskoye         299.39         110.47           Talinskoye Zapadnoye         2.76         1.02           Tambeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Yuzhnoye         143.29         128.39           Tambeyskoye Zapadnoye         1932.39         22.80           Tambeyskoye Zapadnoye         1946.63         31.01           Tambeyskoye Yuzhnoye         1.37         175.55         3.16           Taplorskoye         109.22         60.90         31.01           Taplorskoye (Ayvasedopurskoye)         4117.24         3191.67         2675.57         15.33  |                                       |           |                   |               |            |
| Syadorskoye (Syadorakha)       413.15         Symor'yakhskoye       12.51       4.36         Syn'yeganskoye       54.46       21.27         Syskonsyninskoye       242.79       2.67         Syskonsynyaskoye Vostochnaya       91.41       1.01         Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye       374.81       71.82         Taguriskoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       2.76       1.02         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambayeyskoye Yuzhnoye       2.76       1.02         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambayeskoye Yuzhnoye       1946.63       1946.63         Tanloxkoye Yuzhnoye       143.29       128.39         Tanloxkoye Yuzhnoye       143.29       128.39         Tanloxkoye (Ayvasedopurskoye)       4117.24       3191.67         Taplorskoye (Ayvasedopurskoye)       4117.24       3191.67         Tarak   | Sutorminskoye Zapadnny                |           |                   |               |            |
| Symor'yakhskoye         12.51         4.36           Syn'yeganskoye         54.46         21.27           Syskonsyninskoye         242.79         2.67           Syskonsynyaskoye Vostochnaya         91.41         1.01           Syskonsynyaskoye Vuzhnaya         91.41         1.01           Syskonsynyaskoye Zapadnaya         188.38         2.07           Tabaganskoye Zapadnaya         188.38         2.07           Tabaganskoye Vuzhnoye         4.71         2.22           Tagariskoye         374.81         71.82           Tagui'skoye         95.64         17.79           Talinskoye         299.39         110.47           Talinskoye         299.39         110.47           Talinskoye Zapadnoye         32.42         10.89           Tambayeyskoye Yuzhnoye         2.76         1.02           Tambeyskoye Severnoye         2177.27         1946.63           Tanloxkoye Yuzhnoye         143.29         128.39           Tanusalinskoye         370         1.37         175.55         3.16           Taplorskoye (Ayvasedopurskoye)         4117.24         3191.67         2675.57         15.33           Tarkovskoye Zapadnoye         5.54         2.53         2.53   |                                       | 389.37    | 193.90            | -             |            |
| Syn'yeganskoye       54.46       21.27         Syskonsyninskoye       1513.39       16.65         Syskonsynyaskoye Vostochnaya       91.41       1.01         Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye Yuzhnaye       4.71       2.22         Tagayskoye       152.48       25.62         Tagrinskoye       374.81       71.82         Tagli'skoye       95.64       17.79         Talinskoye Zapadnoye       56.83       20.97         Talinskoye Zapadnoye       32.42       10.89         Tambeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       143.29       128.39         Tanuslinskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       31.01       143.29       128.39       131.31       131.31       131.31       131.31       131.33       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.31       131.3   |                                       |           |                   | 413.15        |            |
| Syskonsyninskove       1513.39       16.65         Syskonsynyaskove Vostochnaya       242.79       2.67         Syskonsynyaskove Zapadnaya       188.38       2.07         Tabaganskove Yuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Taguriskoye       374.81       71.82         Tagul'skoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Zapadnoye       2177.27       1346.63         Tanloxokoye Yuzhnoye       143.29       128.39         Tanusalinskoye       199.22       60.90         Tarasovskoye (Avyasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       147.55       3.16         Tapskoye       19.22       0.80       242.77       15.33         Tarkhovskoye Severnoye       8.08       2.93       147.55       3.16         Tapskoye       109.22       0.80       2.93       147.55       3.16   |                                       |           |                   |               |            |
| Syskonsynyaskoye Vostochnaya       242.79       2.67         Syskonsynyaskoye Yuzhnaya       91.41       1.01         Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye Yuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Tagrinskoye       374.81       71.82         Tagul'skoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Zapadnoye       143.29       128.39         Tanusalinskoye       37.0       1.37       175.55       3.16         Taplorskoye Yuzhnoye       109.22       60.90       143.29       191.67       2675.57       15.33         Tarkovskoye Kye Severnoye       8.08       2.93       14       14.10       14       14       15.33         Tanlovskoye Yuzhnoye       2.22       0.80       2675.57       15.33       15.33         Tarkovskoye Katenoye       8.08       2.93       14       14       14       14       15.33       15.33       1   |                                       | 54.46     | 21.27             |               |            |
| Syskonsynyaskoye Yuzhnaya       91.41       1.01         Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye Yuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Tagui'skoye       374.81       71.82         Tagui'skoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       109.22       60.90         Tarasovskoye (Ayvasedopurskoye)       117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       14.101         Taplorskoye Severnoye       8.08       2.93       14.101         Taplorskoye Severnoye       109.22       60.90       16.0       17.55       3.16         Tapskoye       109.22       0.80       17.55       3.16       17.55       3.16         Tapskoye Severnoye       8.08       2.93       17.55       3.16       17.57       15.33     <  |                                       |           |                   |               |            |
| Syskonsynyaskoye Zapadnaya       188.38       2.07         Tabaganskoye Yuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Taginiskoye       374.81       71.82         Taguliskoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambayeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1946.63       17.72         Tambeyskoye Yuzhnoye       1946.63       11.02         Tanloxskoye Yuzhnoye       1946.63       11.02         Tanlovskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       109.22       60.90         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       11.02       11.02       11.02         Taplorskoye       109.22       60.90       11.02       11.02       11.02       11.02       11.02       11.02       11.02       11.02       11.02       1   |                                       |           |                   |               |            |
| Tabaganskoye Yuzhnoye       4.71       2.22         Tagayskoye       152.48       25.62         Tagrinskoye       374.81       71.82         Tagul'skoye       95.64       17.79         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       22.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambayeyskoye Severnoye       1932.39       22.80         Tambeyskoye Zapadnoye       143.29       128.39         Tanlovskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       109.22       60.90         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       1417.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       1417.24       3191.67       2675.57       15.33         Tarkhovskoye Yuzhnoye       2.22       0.80       131.61       1422.40       26.90         Tarasovskoye Yuzhnoye       5.54       2.53       153.33       153.33         Tarkhovskoye Zapadnoye       5.54       2.53       153.33         Tarko-Sale Vostochnoy  |                                       |           |                   |               |            |
| Tagajskoye       152.48       25.62         Tagrinskoye       374.81       71.82         Tagul'skoye       95.64       17.79         Talinskoye       56.83       20.97         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Yuzhnoye       143.29       128.39         Tansolkoye       31.01         Taplorskoye       31.01         Taplorskoye (Ayvasedopurskoye)       4117.24       3191.67         Tarasovskoye Yuzhnoye       8.08       2.93         Tarkhovskoye Severnoye       8.08       2.93         Tarkhovskoye Yuzhnoye       2.22       0.80         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       2.53       15.33         Tarkovskoye Zupadnoye       5.54       2.53       2.53       14.02       26.90         Tarkovsale Vostochnoye       422.77       131.68       4122.40       26.90  |                                       |           |                   | 188.38        | 2.07       |
| Tagrinskoye       374.81       71.82         Tagul'skoye       95.64       17.79         Tal'nikovoye       56.83       20.97         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       2177.27         Tambeyskoye Yuzhnoye       1946.63         Tanlovskoye Yuzhnoye       1946.63         Tanlovskoye Yuzhnoye       1932.39         Tanusalinskoye       1946.63         Tanusalinskoye       331.01         Taplorskoye       331.01         Tarasovskoye (Ayvasedopurskoye)       4117.24         3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93         Tarkhovskoye Yuzhnoye       2.22       0.80         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       1       1       1         Tarkovskoye Zapadnoye       5.54       2.53       2.53       1       1       1       1       1       1       1       2       0.90       1  |                                       |           |                   |               |            |
| Tagul'skoye       95.64       17.79         Tal'nikovoye       56.83       20.97         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Zapadnoye       1946.63       17.72         Tambeyskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       331.01       175.55         Taplorskoye       3.70       1.37       175.55         Taplorskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Yuzhnoye       8.08       2.93       143.29       2.93         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       15.33       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       2.53         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90         Tarko-Sale Zapadnoye       5.54       2.53       2.53       2.53 <td></td> <td></td> <td></td> <td></td> <td></td>  |                                       |           |                   |               |            |
| Tal'nikovoye       56.83       20.97         Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanlovskoye Yuzhnoye       331.01         Taplorskoye       370       1.37       175.55       3.16         Tapskoye       109.22       60.90       143.29       128.39       128.39       128.39       128.39       128.39       128.39       131.01       131.  |                                       |           |                   |               |            |
| Talinskoye       299.39       110.47         Talinskoye Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Severnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye Yuzhnoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       60.90       109.22       60.90       109.22       60.90       109.22       15.33  |                                       |           |                   |               |            |
| Talinskove Zapadnoye       32.42       10.89         Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90  |                                       |           |                   |               |            |
| Tambayeyskoye Yuzhnoye       2.76       1.02         Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       15.33       15.33         Tarkhovskoye Severnoye       8.08       2.93       15.33       15.33         Tarkhovskoye Yuzhnoye       2.22       0.80       15.33       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       2675.57       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       26.90       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       2709.00       15.33         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90         Tarko-Sale Zapadnoye       80.15       39.92       2709.00         Tarko-Sale Zapadnoye       80.15       39.92       2709.00         Tarko-Sale Zapadnoye       1.60       0.71       15.31   | -                                     |           |                   |               |            |
| Tambeyskoye Severnoye       1932.39       22.80         Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       71.85       71.85       71.93 </td <td></td> <td>-</td> <td></td> <td></td> <td></td>  |                                       | -         |                   |               |            |
| Tambeyskoye Yuzhnoye       2177.27         Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       70.90       70.63       71.35       70   |                                       | 2.76      | 1.02              |               |            |
| Tambeyskoye Zapadnoye       1946.63         Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37         Taplorskoye       109.22       60.90         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57         Tarkhovskoye Severnoye       8.08       2.93       15.33         Tarkhovskoye Zapadnoye       5.54       2.53       2.53         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90         Tarko-Sale Yuzhnoye       79.63       71.35       2709.00         Tarko-Sale Zapadnoye       80.15       39.92       2709.00   |                                       |           |                   |               | 22.80      |
| Tanlovskoye Yuzhnoye       143.29       128.39         Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90   |                                       |           |                   |               |            |
| Tanusalinskoye       331.01         Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       7       175.55       3.16         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       7       175.55       15.33         Tarkhovskoye Yuzhnoye       2.22       0.80       7       131.68       4122.40       26.90         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90       26.90         Tarko-Sale Yuzhnoye       79.63       71.35       7       135       7         Tarko-Sale Zapadnoye       80.15       39.92       2709.00       2709.00         Tarskoye Vostochnoye       1.60       0.71       1       1  |                                       |           |                   | 1946.63       |            |
| Taplorskoye       3.70       1.37       175.55       3.16         Tapskoye       109.22       60.90       109.22       109.23       126.75.7       15.33       15.33       178.03   |                                       | 143.29    | 128.39            |               |            |
| Tapskoye       109.22       60.90         Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       100.000       100.000         Tarkhovskoye Severnoye       8.08       2.93       100.000       100.000         Tarkhovskoye Yuzhnoye       2.22       0.80       100.000       1000         Tarkhovskoye Zapadnoye       5.54       2.53       1000       1000         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90         Tarko-Sale Yuzhnoye       79.63       71.35       10000       10000         Tarko-Sale Zapadnoye       80.15       39.92       2709.00       10000         Tarko-Sale Vostochnoye       1.60       0.71       10000       10000       10000   | •                                     |           |                   |               |            |
| Tarasovskoye (Ayvasedopurskoye)       4117.24       3191.67       2675.57       15.33         Tarkhovskoye Severnoye       8.08       2.93       15.33         Tarkhovskoye Yuzhnoye       2.22       0.80       160         Tarkhovskoye Zapadnoye       5.54       2.53       15.33         Tarko-Sale Vostochnoye       422.77       131.68       4122.40       26.90         Tarko-Sale Yuzhnoye       79.63       71.35       15.33       160       160       0.71  |                                       |           |                   | 175.55        | 3.16       |
| Tarkhovskoye Severnoye         8.08         2.93           Tarkhovskoye Yuzhnoye         2.22         0.80           Tarkhovskoye Zapadnoye         5.54         2.53           Tarko-Sale Vostochnoye         422.77         131.68         4122.40         26.90           Tarko-Sale Yuzhnoye         79.63         71.35         71.35         71.35           Tarko-Sale Zapadnoye         80.15         39.92         2709.00           Tarskoye Vostochnoye         1.60         0.71         71.35   |                                       |           |                   |               | 4 - 00     |
| Tarkhovskoye Yuzhnoye         2.22         0.80           Tarkhovskoye Zapadnoye         5.54         2.53           Tarko-Sale Vostochnoye         422.77         131.68         4122.40         26.90           Tarko-Sale Yuzhnoye         79.63         71.35           Tarko-Sale Zapadnoye         80.15         39.92         2709.00           Tarskoye Vostochnoye         1.60         0.71  |                                       |           |                   | 2675.57       | 15.33      |
| Tarkhovskove Zapadnove         5.54         2.53           Tarko-Sale Vostochnove         422.77         131.68         4122.40         26.90           Tarko-Sale Yuzhnove         79.63         71.35           Tarko-Sale Zapadnove         80.15         39.92         2709.00           Tarskoye Vostochnove         1.60         0.71         0.71   |                                       |           |                   |               |            |
| Tarko-Sale Vostochnoye         422.77         131.68         4122.40         26.90           Tarko-Sale Yuzhnoye         79.63         71.35           Tarko-Sale Zapadnoye         80.15         39.92         2709.00           Tarkovye Vostochnoye         1.60         0.71         0.71  |                                       |           |                   |               |            |
| Tarko-Sale Yuzhnoye         79.63         71.35           Tarko-Sale Zapadnoye         80.15         39.92         2709.00           Tarskoye Vostochnoye         1.60         0.71  |                                       |           |                   |               |            |
| Tarko-Sale Zapadnoye80.1539.922709.00Tarskoye Vostochnoye1.600.71  |                                       |           |                   | 4122.40       | 26.90      |
| Tarskoye Vostochnoye 1.60 0.71   |                                       |           |                   |               |            |
|  |                                       |           |                   | 2709.00       |            |
| l asiyskoye 1853.87  |                                       | 1.60      | 0.71              | 10-0 0-       |            |
|  | I asiyskoye                           |           |                   | 1853.87       |            |

|                                      | Ultimate<br>Crude Oil | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas    | Condensate    |  |
|--------------------------------------|-----------------------|--|-------------------------|---------------|--|
| Field Name                           | (million<br>barrels)  | cubic feet)                                      | (million<br>cubic feet) | barrels)      |  |
| Tavlovskoye Yuzhnoye                 | 129.02                | 115.60   |                         |               |  |
| Tay-Das (Dasskoye)                   | 3.94                  | 1.49   |                         |               |  |
| Tay-Das (Dasskoye)                   | 11.12                 | 9.82   |                         |               |  |
| Taybinskoye (Lyantor)                | 11.12                 | 5.02   | 178.02                  | 3.20          |  |
| Taylakovskoye                        | 15.23                 | 5.76   | 170.02                  | 5.20          |  |
| Taytymskoye                          | 23.99                 | 8.85   |                         |               |  |
| Tazovskove                           | 462.50                | 363.06   | 4278.68                 | 50.49         |  |
| Tazovskoje<br>Tazovskoje Vostochnoje | 402.50                | 505.00   | 2603.30                 | 50.45         |  |
| Tekto-Kharampur                      | 2.00                  | 1.00   | 2005.50                 |               |  |
| Teplin-Russkinskoye                  | 230.83                | 85.64  |                         |               |  |
| Teplovskoye                          | 867.99                | 185.66   |                         |               |  |
| Terel'skoye                          | 007.99                | 165.00   | 869.32                  |               |  |
| Termokarstovoye                      |                       |  | 918.46                  | 45.00         |  |
| Teterevo-Mortyminskoye               | 341.37                | 120.71   | 888.28                  | 45.00<br>9.77 |  |
| Teterevskoye Severnoye(Mortym)       | 62.80                 | 22.21  | 000.20                  | 9.17          |  |
| Teterevskoye Vostochnoye(Mortymin)   |                       |  |                         |               |  |
|                                      | 12.69<br>146.62       | 1.76   | 80.70                   | 0.90          |  |
| Teterevskoye Yuzhnoye(Mortymin)      | 530.15                | 54.39  | 80.70                   | 0.89          |  |
| Tevlin-Konitlorskoye                 |                       | 167.95   |                         |               |  |
| Tevlinskoye                          | 350.49                | 99.89  | 104.00                  | 2.25          |  |
| Tevrizskoye                          |                       |  | 124.86                  |               |  |
| Tevrizskoye Vostochnoye              | 10.00                 | 7.07   | 75.19                   | 1.35          |  |
| Tochinskoye                          | 19.86                 | 7.37   | 004.40                  | 0.74          |  |
| Tolkinskoye                          | 20.00                 | 40.05  | 364.13                  | 8.74          |  |
| Tolumskoye Vostochnoye               | 29.69                 | 10.95  |                         |               |  |
| Tolum-Semividovskoye                 | 40.07                 | 7 70   |                         |               |  |
| Tolumskoye Servernoye                | 40.97                 | 7.73   |                         |               |  |
| Tolumskoye Yuzhnoye                  | 25.42                 | 5.00   |                         |               |  |
| Tonchinskoye                         | 24.55                 | 7.78   |                         |               |  |
| Tortasinskoye                        | 66.90                 | 18.06  | 4500.04                 |               |  |
| Totayakhinskoye                      | 40.05                 | 0.00   | 1563.24                 |               |  |
| Travyanoye                           | 49.65                 | 9.82   | 0000 40                 | 00.00         |  |
| Trekhbugornoye                       | 404.40                | 45.00  | 2822.40                 | 26.69         |  |
|                                      | 161.19                | 45.83  |                         |               |  |
| Trekhozernoye Severnoye              | 23.10                 | 11.97  |                         |               |  |
|                                      | 2.00                  | 1.00   |                         |               |  |
| Triyurtinskoye Vostochnoye           | 2.00                  | 1.00   |                         |               |  |
| Trom-Yeganskoye                      | 236.21                | 65.14  |                         |               |  |
| Trom-Yeganskoye Severnoye            | 9.78                  | 3.10   |                         |               |  |
| Trom-Yeganskoye Vostochnoye          | 12.00                 | 3.81   |                         |               |  |
| Tsentralnoye (Khanty-Mansiyskoye)    | 37.32                 | 18.73  | 0.40                    | 0.00          |  |
| Tugiyanskoye                         | 50.00                 | 00.07  | 2.13                    | 0.02          |  |
| Tugrovskoye Severnoye                | 59.82                 | 22.07  |                         |               |  |
| Tugrovskoye Vostochnoye              | 78.70                 | 26.44  |                         |               |  |
| Tugrovskoye Zapadnoye                | 32.42                 | 10.89  |                         |               |  |
| Tukanskoye                           | 226.04                | 85.44  |                         |               |  |
| Tul'yeganskoye                       | 3.38                  | 2.08   |                         |               |  |
| Tumannoye                            | 12.06                 | 3.68   |                         |               |  |
| Tundrinskoye                         | 35.42                 | 16.15  |                         |               |  |
| Tungolskoye                          | 6.30                  | 1.68   |                         |               |  |
| Tunkorskoye                          | 7.53                  | 2.53   |                         |               |  |

| Basin (Sorted Alphabetica                     |                  |                   |               |            |
|---|------------------|-------------------|---------------|------------|
|   | Ultimate         | Associated-       | Nonassociated |            |
|   | Crude Oil        | Disolved Gas      | Gas           | Condensate |
|   | (million         | (billion (billion | (million      |            |
| Field Name                                    | barrels)         | cubic feet)       | cubic feet)   | barrels)   |
|   | ,                | ,                 | ,             | ,          |
| Tutlimskoye (Tutlym)                          | 33.10            | 9.43              |               |            |
| Tyanovskoye                                   | 1237.75          | 2.00              |               |            |
| Tyumenskoye                                   | 244.63           | 63.34             | 158.18        |            |
| Ubinskoye                                     | 6.40             | 2.36              |               |            |
| Ubinskoye Lesser                              | 5.57             | 1.08              |               |            |
| Ubinskoye Servenoye                           | 7.60             | 1.47              |               |            |
| Ubinskoye Yuzhnoye                            | 3.83             | 0.55              |               |            |
| Ubinskoye Zapadnoye                           | 5.20             | 1.00              |               |            |
| Udachnoye                                     | 24.55            | 7.82              |               |            |
| Udmurtskoye Yuzhnoye                          | 24.00            | 1.00              |               |            |
| Ugutskoye                                     | 184.69           | 48.51             |               |            |
| Ugutskoye Zapadnoye                           | 15.68            | 6.47              |               |            |
|   | 247.05           |                   |               |            |
| Umseyskoye                                    | 247.05<br>9.55   | 90.93<br>8.56     |               |            |
| Umseyskoye Vostochnoye                        |                  |                   |               |            |
| Unlorskoye                                    | 2.00             | 1.00              | 1055.05       |            |
| Urengoyskoye (Pestsovoye)                     | 293.56           | 230.44            | 4955.25       |            |
| Urengoyskoye (Samburg,Yevo-Yakha,             |                  | 10115             |               | 4050.00    |
| Yen-Yakha, Urengoy Sev., Pestsovoye           | ) 6617.30        | 404.15            | 269586.82     | 1858.08    |
| Urengoyskoye Severnoye                        |                  |                   | 23117.35      | 41.78      |
| Urengoyskoye Vostochnoye                      |                  |                   | 1115.97       | 39.06      |
| Urmanskoye                                    | 225.63           | 85.29             |               |            |
| Urnenskoye                                    | 16.32            | 10.41             |               |            |
| Uryevskoye(-Potochnoye)                       |                  |                   |               |            |
| (Pokachev-Ur'yev)                             | 735.80           | 205.17            |               |            |
| Usanovskoye                                   | 63.40            | 23.97             |               |            |
| Ust Chaselskoye                               | 211.21           | 105.18            | 394.35        | 15.40      |
| Ust Kharampur                                 | 52.60            | 28.82             |               |            |
| Ust'-Sil'ginskoye                             |                  |                   | 489.43        | 11.26      |
| Ust-Balykskoye Zapadnoye                      | 2.55             | 0.81              |               |            |
| Ust-Balykskoye-Mamontovo                      | 2134.36          | 454.22            |               |            |
| Ust-Kotukhtinskoye                            | 24.55            | 7.76              |               |            |
| Ust-Koyukhtaskoye                             | 24.55            | 7.79              |               |            |
| Ust-Yuribeyskoye                              |                  |                   | 524.54        |            |
| Utrenneye                                     |                  |                   | 7041.36       |            |
| Utrenneye Severnoye                           |                  |                   | 1783.42       |            |
| Uzbekskoye                                    | 191.95           | 70.83             |               |            |
| Uzbekskoye Severnoye                          | 12.51            | 4.36              |               |            |
| Uzbekskove-Sredne-Chanchar                    | 17.01            | 5.93              |               |            |
| Uzbelskoye Yuzhnoye                           | 12.51            | 4.36              |               |            |
| Vachimskoye                                   | 515.79           | 173.57            |               |            |
| Vadelypskoye                                  | 73.91            | 23.44             |               |            |
| Vakh River                                    | 38.57            | 12.65             |               |            |
| Vakh Severnoye                                | 0.71             | 0.27              |               |            |
| Vakh Yuzhnoye                                 | 32.01            | 6.80              |               |            |
| Valyuninskoye Vosstochnoye                    | 2.00             | 1.00              |               |            |
| Valydiniiskoye vossiocimoye<br>Van'yeganskoye | 1135.66          | 457.64            | 1264.33       | 34.66      |
| Vankorskoye                                   | 2.00             | 1.00              | 1204.00       | 54.00      |
|   |                  |                   | 496.21        |            |
| Varlyeganskove                                | 2091.55          | 8336.78           |               | 0.05       |
| Varlyeganskove Severnove                      | 1292.93<br>73.70 | 1699.88           | 412.54        | 8.25       |
| Var'yeganskoye Yuzhnoye                       | 13.10            | 61.44             |               |            |
|   |                  |                   |               |            |

|  | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas<br>(million | Condensate |
|--|-----------------------------------|--|----------------------------------|------------|
| Field Name                                 | barrels)                          | cubic feet)                                      | cubic feet)                      | barrels)   |
| / · · · - ·                                | 040 47                            | 440.04   |                                  |            |
| Var'yeganskoye Zapadnoye                   | 213.47                            | 112.01   |                                  |            |
| Vartov-Sovetskoye                          | 272.70                            | 101.17   |                                  |            |
| /artovskoye                                | 6.03                              | 57.51  |                                  |            |
| √artovskoye-Sosino                         | 3001.85                           | 1079.54  |                                  |            |
| Varyngskoye                                | 97.64                             | 36.91  | 000 470                          | 4 054      |
| Vasyuganskoye Severnoye                    | 0007 50                           | 4007 74  | 390.179                          | 1.951      |
| √at'yeganskoye                             | 3987.53                           | 1087.74  |                                  |            |
| Vat'yeganskoye Severnoye                   | 29.68                             | 8.35   |                                  |            |
| Vat'yeganskoye Yuzhnoye                    | 17.40                             | 6.46   |                                  |            |
| Vataskoye                                  | 86.66                             | 27.48  |                                  |            |
| √ataskoye Severnaya                        | 24.55                             | 7.79   |                                  |            |
| Vatinskoye                                 | 1130.17                           | 306.23   | E700.00                          |            |
| Vengapurskove                              | 595.91                            | 1814.72  | 5722.36                          |            |
| Vengapurskoye Severnoye                    | 64.39                             | 57.69  |                                  |            |
| Vengapurskoye Yuzhnoye                     | 899.51                            | 365.95   |                                  |            |
| Vengapurskoye Zapadnoye                    | 64.39                             | 57.69  | 0005.04                          |            |
| Vengayakhaskoye (Vengayakha Vost.)         | 501.34                            | 189.42   | 3635.31                          |            |
| /erkhne Chasel'kaskoye                     | 13.04                             | 10.23  |                                  |            |
| /erkhne Nadymskoye                         | 24.55                             | 7.79   | 2615 02                          | 4 40       |
| /erkhne-Kolikyeganskoye                    | 4896.64                           | 3040.00  | 3615.02                          | 4.49       |
| Verkhne-Lyaminskoye (Upper Lyama)          | 57.59                             | 29.84  | 40.05                            | 4 45       |
| Verkhne-Salatskoye                         | 17.19                             | 24.95  | 49.35                            | 1.45       |
| Verkhnekambarskoye                         | 26.92                             | 10 50  | 932.95                           | 18.86      |
| Verkhnelem'inskoye                         | 36.83                             | 13.59  | 220.67                           |            |
| Verkhnepurpeyskoye                         | 201.17                            | 100.18   | 330.67                           |            |
| Verkhnesalymskoye                          | 400.07                            | 130.31   |                                  |            |
| Verkhneshapshinskoye                       | 62.34                             | 23.13  |                                  |            |
| Verkhnesuprinskoye                         | 2.00                              | 1.00   |                                  |            |
| Verkhnetarskoye                            | 49.06                             | 29.59  | 751 10                           |            |
| Verkhnetiuteyskoye                         | 32.42                             | 10.89  | 751.10                           |            |
| √erkhniy Kazymskoye<br>√erkhniy Kazymskoye |                                   | 7.40   |                                  |            |
|  | 23.28                             | 7.40   | 146.14                           | 1 61       |
| /erkhnyaya Kondaskoye                      | 9.94                              | 3.35   | 140.14                           | 1.61       |
| Vershinnoye<br>Veselovskoye                | 9.94                              | 3.30   | 18.03                            | 0.29       |
| /esennee                                   | 0.62                              | 2.77   | 10.03                            | 0.29       |
|  | 9.63<br>11.12                     | 9.82   |                                  |            |
| Vesenneye Zapadnoye                        | 24.55                             | 9.82<br>7.82                                     |                                  |            |
| √ladigorskoye Yuzhnoye<br>√onterskoye      | 24.55<br>80.62                    | 122.22   |                                  |            |
| /ostochnoye(Novosibirsk)                   | 31.90                             | 28.17  |                                  |            |
| /yintoyskoye                               | 94.26                             | 27.32  |                                  |            |
| /yintoyskoye Vostochnoye                   | 94.20<br>21.41                    | 6.81   |                                  |            |
| /yintoyskoye Yuzhnoye                      | 1.53                              | 0.49   |                                  |            |
| XXVII CPSU Congress                        | 160.06                            | 0.49<br>50.94                                    |                                  |            |
| Yagunskoye                                 | 142.73                            |  |                                  |            |
| Yagunskoye Severnoye                       | 21.92                             | 45.45<br>6.98                                    |                                  |            |
| Yagunskoye Severnoye                       | 18.94                             | 5.82   |                                  |            |
| Yagunskoye Yuzhnoye                        | 1151.14                           | 5.82<br>320.71                                   |                                  |            |
|  | 1131.14                           | 320.71   |                                  |            |
| Yagyl'yakh                                 | 11.12                             | 9.82   |                                  |            |

| Table 2D. | Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, West Siberian |
|-----------|--|
|           | Basin (Sorted Alphabetically by Field Name) (Continued)                            |

| Basin (Sorted Alphabeti           | Ultimate  |                     | Nonassociated |            |
|-----------------------------------|-----------|---------------------|---------------|------------|
|                                   | Crude Oil | <b>Disolved Gas</b> | Gas           | Condensate |
|                                   | (million  | (billion (billion   | (million      |            |
| Field Name                        | barrels)  | cubic feet)         | cubic feet)   | barrels)   |
|                                   | 7 6 6     |                     |               |            |
| Yakhturskoye Severnoye            | 7.55      | 4.14                | 447000.00     | 400.00     |
| Yamburgskoye                      | 0.00      | 4.00                | 117806.60     | 432.63     |
| Yamskoye                          | 2.00      | 1.00                |               | <u> </u>   |
| Yamsovey                          |           |                     | 9937.19       | 22.51      |
| Yangtaskoye Severnaya             | 135.82    | 32.48               |               |            |
| Yaraynerskoye                     | 323.58    | 167.74              |               |            |
| Yaraynerskoye Severnoye           | 8.19      | 18.80               |               |            |
| Yaraynerskoye Vostochnoye         | 13.12     | 30.10               |               |            |
| Yaraynerskoye Yuzhnoye            | 18.36     | 8.01                |               |            |
| Yareyskoye                        |           |                     | 138.81        |            |
| Yarovoye                          |           |                     | 241.86        |            |
| Yaroyakhaskoye                    |           |                     | 7271.16       | 254.49     |
| Yaunlorskoye                      | 820.12    | 225.96              | 8.09          | 0.15       |
| Yefremovoskoye                    | 95.66     | 27.26               |               |            |
| Yegur'yakhskoye                   | 20.17     | 7.93                |               |            |
| Yegur'yakhskoye Severnoye         | 2.56      | 1.02                |               |            |
| Yegur'yakhskoye Yuzhnoye          | 61.79     | 26.20               |               |            |
| Yelizarovskoye (Krasnoleninskoye) | 39.83     | 10.32               |               |            |
| Yelleyskoye (Yelley)              | 0.56      | 0.21                |               |            |
| Yelovoye Vostochnoye              | 62.70     | 19.96               |               |            |
| Yemyegovskoye(Krasnoleninskoye)   | 44.33     | 13.87               |               |            |
| Yendryskoye                       | 211.45    | 78.03               |               |            |
|                                   |           |                     | 1000.01       |            |
| Yenyakhaskoye                     | 270.37    | 134.64              | 1268.31       |            |
| Yermakovo                         | 993.86    | 275.74              |               |            |
| Yermakovo Severnoye               | 24.55     | 7.81                |               |            |
| Yershovskoye (Tyumen)             | 159.56    | 51.93               |               |            |
| Yesetinskoye                      | 7.55      | 4.19                |               |            |
| Yesetinskoye Severnoye            | 7.55      | 4.14                |               |            |
| Yetypurskoye                      | 143.62    | 94.44               | 4686.52       |            |
| Yevo-Yakhaskoye                   |           |                     | 184.04        |            |
| Yubileynoye (Tyumen)              | 115.94    | 57.74               | 6903.56       |            |
| Yubileynoye Vostochnoye           |           |                     | 314.43        |            |
| Yuganskskoye                      | 24.55     | 7.81                |               |            |
| Yumantyl'skoye                    | 64.36     | 57.67               |               |            |
| Yur'yevskoye Severnoye            | 474.39    | 155.82              |               |            |
| Yurkharovskoye                    |           |                     | 5491.03       | 5.50       |
| Yutymskoye Severnoye              | 2.00      | 1.00                |               |            |
| Yutyrmalskoye                     |           |                     | 311.54        | 3.43       |
| Yuzhnoye-1                        | 289.91    | 144.11              |               |            |
| Yuzhnoye-2                        | 57.09     | 18.17               |               |            |
| Zaozernove                        | 383.48    | 127.70              |               |            |
| Zapolyarnoye                      |           |                     | 78082.95      | 650.24     |
| Zapolyarnoye Zapadnoye            |           |                     | 871.55        | 00012 1    |
| Zimneyeskoye                      |           |                     | 446.99        | 0.63       |
|                                   |           |                     |               | 0.00       |
| Total                             | 161136.58 | 73220.33            | 1033227.14    | 5017.26    |

 Table 2D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, West Siberian

 Basin (Sorted Alphabetically by Field Name) (Continued)

|                              | North     | East      |           |           |         |
|------------------------------|-----------|-----------|-----------|-----------|---------|
|                              | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                   | (degrees) | (degrees) | Date      | Status    | Product |
|                              |           |           |           |           |         |
| Arkticheskoye                | 69.74     | 70.74     | 1968      | DV        | Gas     |
| Baydaratskoye                | 69.72     | 67.94     | 1987      | SI        | Gas     |
| Bol'shoye Kruzenshternskoye  |           |           |           |           |         |
| (Kruzenshternskoye)          | 70.00     | 69.00     | 1976      | DV        | Gas     |
| Bovanenko                    | 70.40     | 68.50     | 1971      | PP        | Gas     |
| Bovanenko Severnoye          | 70.83     | 68.12     | 1988      | SI        | Gas     |
| Bovanenko Vostochnoye        | 70.73     | 69.22     | 1983      | SI        | Gas     |
| Kamennomyskoye               | 68.41     | 73.34     | 1981      | DV        | Gas     |
| Kharasaveyskoye              | 71.15     | 67.12     | 1974      | PP        | Gas     |
| Kruzenshternskoye Yuzhnoye   | 70.60     | 67.20     | 1980      | SI        | Gas     |
| Leningradskoye               | 65.50     | 72.20     | 1990      | SI        | Gas     |
| Maloyamalskoye(Lesser Yamal) | 68.32     | 71.60     | 1975      | DV        | Gas     |
| Malyginskoye                 | 72.20     | 70.44     | 1979      | PP        | Gas     |
| Nerstinskoye                 | 70.20     | 68.50     |           | SI        | Gas     |
| Ney-To (Neytinskoye)         | 70.06     | 70.16     | 1975      | DV        | Gas     |
| Novoportovskoye              | 67.88     | 72.43     | 1964      | DV        | Gas     |
| Nurminskoye                  | 68.77     | 71.77     | 1970      | SI        | Gas     |
| Rostovtsevskoye              | 68.43     | 72.40     | 1986      | DV        | Gas     |
| Rusanovskoye                 | 73.40     | 65.50     | 1989      | SI        | Gas     |
| Seyakhinskoye Zapadnoye      | 70.85     | 70.86     | 1989      | SI        | Gas     |
| Sredneyamalskoye             | 69.06     | 71.16     | 1970      | DV        | Gas     |
| Syadorskoye (Syadorakha)     | 71.60     | 69.16     | 1982      | SI        | Gas     |
| Tambeyskoye Severnoye        | 71.83     | 71.55     | 1982      | SI        | Gas     |
| Tambeyskoye Yuzhnoye         | 71.21     | 71.95     | 1974      | DV        | Gas     |
| Tambeyskoye Zapadnoye        | 71.54     | 70.97     | 1985      | SI        | Gas     |
| Tasiyskoye                   | 71.98     | 72.01     | 1988      | SI        | Gas     |
| Ust-Yuribeyskoye             | 68.86     | 70.07     | 1989      | SI        | Gas     |
| Verkhnetiuteyskoye           | 70.77     | 69.89     | 1982      | SI        | Gas     |
|                              |           |           |           |           |         |

# Table 3D. Basic Field Information, Yamal Region, West Siberian Basin (Sorted Alphabetically by Field Name)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combinations in parenthesis. Source: Energy information Administration, Office of Oil and Gas.

| Table 4D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Yamal Region, | , |
|--|---|
| West Siberian Basin (Sorted Alphabetically by Field Name)                                    |   |

|                                    | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas<br>(million | Condensate |  |
|------------------------------------|-----------------------------------|--|----------------------------------|------------|--|
| Field Name                         | barrels)                          | cubic feet)                                      | cubic feet)                      | barrels)   |  |
| Arkticheskoye                      |                                   |  | 7831.83                          | 77.07      |  |
| Baydaratskoye                      |                                   |  | 344.72                           |            |  |
| Bol'shoye Kruzenshternskoye (Kruze | enshternskoye)                    |  | 20287.40                         |            |  |
| Bovanenko                          | <b>,</b>                          |  | 99681.21                         | 217.10     |  |
| Bovanenko Severnoye                |                                   |  | 194.03                           |            |  |
| Bovanenko Vostochnoye              |                                   |  | 892.22                           |            |  |
| Kamennomysskoye                    |                                   |  | 1363.72                          |            |  |
| Kharasaveyskoye                    |                                   |  | 16783.40                         | 77.22      |  |
| Kruzenshternskoye Yuzhnoye         |                                   |  | 3511.07                          |            |  |
| Leningradskoye                     |                                   |  |                                  |            |  |
| Maloyamalskoye(Lesser Yamal)       |                                   |  | 604.73                           |            |  |
| Malyginskoye                       |                                   |  | 2865.93                          |            |  |
| Nerstinskove                       |                                   |  | 629.14                           |            |  |
| Ney-To (Neytinskoye)               | 6.26                              | 4.91   | 943.95                           | 3.74       |  |
| Novoportovskoye                    | 134.69                            | 30.20  | 6422.57                          | 151.58     |  |
| Nurminskoye                        |                                   |  | 3437.06                          | 14.75      |  |
| Rostovtsevskoye                    |                                   | 629.14   |                                  |            |  |
| Rusanovskoye                       |                                   |  |                                  |            |  |
| Seyakhinskoye Zapadnoye            |                                   |  | 2298.15                          |            |  |
| Sredneyamalskoye                   |                                   |  | 16678.72                         | 26.02      |  |
| Syadorskoye (Syadorakha)           |                                   |  | 413.15                           |            |  |
| Tambeyskoye Severnoye              |                                   |  | 1932.39                          | 22.80      |  |
| Tambeyskoye Yuzhny                 |                                   |  | 2177.27                          |            |  |
| Tambeyskoye Zapadnoye              |                                   |  | 1946.63                          |            |  |
| Tasiyskoye                         |                                   |  | 1853.87                          |            |  |
| Ust-Yuribeyskoye                   |                                   |  | 524.54                           |            |  |
| Verkhnetiuteyskoye                 |                                   |  | 751.10                           |            |  |
| TOTAL                              | 140.95                            | 35.11  | 194997.94                        | 590.28     |  |

|                                    | North     | East      |           |           |         |
|------------------------------------|-----------|-----------|-----------|-----------|---------|
|                                    | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                         | (degrees) | (degrees) | Date      | Status    | Product |
|                                    |           |           |           |           |         |
| Antipayutaskoye                    | 68.93     | 77.38     | 1978      | SI        | Gas     |
| Bugornaya-Vostochnaya              | 69.60     | 74.60     | 1990      | SI        | Gas     |
| Em-Yakhtinskoye                    | 68.83     | 76.45     | 1976      | SI        | GC      |
| Geofizicheskoye                    | 69.86     | 73.69     | 1975      | SI        | Gas     |
| Gydanskoye                         | 70.44     | 76.30     | 1978      | SI        | Gas     |
| Kazantsevskoye(UstYenisey)         | 69.70     | 83.30     | 1969      | SI        | Gas     |
| Khambateyskoye                     | 68.77     | 72.90     | 1987      | SI        | Gas     |
| Messoyakhaskoye Yuzhnoye           | 68.06     | 79.40     | 1986      | SI        | Gas     |
| Messoyakhaskoye Zapadnoye          | 68.50     | 79.12     | 1982      | SI        | Oil     |
| Messoyakhskoye (Norilisk City1970) |           |           |           |           |         |
| (Yenisey-Khatanga)                 | 69.20     | 82.40     | 1967      | PP        | Gas     |
| Minkhovskoye                       | 69.37     | 76.02     | 1989      | SI        | Gas     |
| Minkhovskoye Vostochnoye           | 69.37     | 76.02     | 1991      | SI        | Gas     |
| Nizhne Khetskoye                   |           |           |           |           |         |
| (Yenisey-Khatanga)                 | 69.50     | 84.50     | 1966      | ABND      | Gas     |
| Parusovoye                         | 68.44     | 74.67     | 1985      | PP        | Oil     |
| Pelyatkinskoye (Yenisey-Khatanga)  | 69.60     | 81.80     | 1977      | DV        | Gas     |
| Semakovskoye-Anderpayuta           | 68.90     | 75.53     | 1971      | SI        | Gas     |
| Soleninskoye Severnoye(UstYenisey) | 69.24     | 81.48     | 1971      | PP        | Gas     |
| Soleninskoye Yuzhno (Ust Yenisey)  | 69.10     | 81.70     | 1969      | PP        | Gas     |
| Soletskoye                         | 69.72     | 75.21     | 1984      | SI        | Gas     |
| Totayakhinskoye 69.14              | 76.52     | 1984      | DV        | Gas       |         |
| Trekhbugornoye                     | 69.56     | 74.39     | 1990      | SI        | Gas     |
| Utrenneyeskoye                     | 70.95     | 74.63     | 1980      | DV        | Gas     |
| Utrenneyeskoye Severnoye           | 71.07     | 74.07     | 1979      | SI        | Gas     |
| Zimneyeskoye                       | 69.20     | 83.70     | 1977      | DV        | Gas     |

# Table 5D. Basic Field Information, Gydan Region, West Siberian Basin (Sorted Alphabetically by Field Name)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned, GC=Gas Condensate. Alternate field names or combinations in parenthesis. Source: Energy information Administration, Office of Oil and Gas.

| Field Name                          | Ultimate Associated- I<br>Crude Oil Disolved Gas<br>(million (billion (billion<br>barrels) cubic feet) |         | Nonassociated<br>Gas<br>(million<br>cubic feet) | Condensate<br>barrels) |
|-------------------------------------|--|---------|---|------------------------|
|                                     | ,  | ,       | ,   | ,                      |
| Antipayutaskoye                     |  |         | 12294.01  |                        |
| Bugornaya-Vostochnaya               |  |         | 174.70  |                        |
| Em-Yakhtinskoye                     |  |         | 478.28  |                        |
| Geofizicheskoye                     |  |         | 4832.79   | 11.79                  |
| Gydanskoye                          |  |         | 1626.86   |                        |
| Kazantsevskoye(UstYenisey)          |  |         | 409.87  |                        |
| Khambateyskoye                      |  |         | 528.42  |                        |
| Messoyakhaskoye Yuzhnoye            |  |         | 792.63  |                        |
| Messoyakha Zapadnoye                | 211.06   | 165.68  |   |                        |
| Messoyakhskoye (Norilisk City1970)  |  |         |   |                        |
| (Yenisey-Khatanga)                  |  |         | 843.28  |                        |
| Minkhovskoye                        |  |         | 263.34  |                        |
| Minkhovskoye Vostochnoye            |  |         | 409.87  |                        |
| Nizhne Khetskoye (Yenisey-Khatanga) |  |         | 58.71   | 0.10                   |
| Parusovoye                          | 70.54  | 55.37   |   |                        |
| Pelyatkinskoye (Yenisey-Khatanga)   |  |         | 1985.80   |                        |
| Semakovskoye-Anderpayuta            |  |         | 30198.29  |                        |
| Soleninskoye Severnoye(UstYenisey)  |  |         | 409.87  |                        |
| Soleninskoye Yuzhno (Ust Yenisey)   |  |         | 561.30  | 12.30                  |
| Soletskoye                          |  |         | 1893.51   |                        |
| Totayakhinskoye                     |  | 1563.24 |   |                        |
| Trekhbugornoye                      |  |         | 2822.40   | 26.69                  |
| Utrenneyeskoye                      |  |         | 7041.36   |                        |
| Utrenneyeskoye Severnoye            |  |         | 1783.42   |                        |
| Zimneyeskoye                        |  |         | 446.99  | 0.63                   |
| TOTAL                               | 281.60   | 221.06  | 71418.92  | 51.52                  |

Table 6D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Gydan Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                                | North     | East      |           |           |         |
|--------------------------------|-----------|-----------|-----------|-----------|---------|
|                                | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                     | (degrees) | (degrees) | Date      | Status    | Product |
| Apakapurskoye                  | 63.78     | 76.44     | 1989      | SI        | Oil     |
| Ayeganskoye                    | 61.86     | 77.42     | 1985      | PS        | Oil     |
| Ayvasedopur Severnoye          |           |           |           |           |         |
| (Tarasovskoye Sev.)            | 64.60     | 77.67     | 1990      | SI        | Oil     |
| Barsukovskoye                  | 64.42     | 75.50     |           | PP        | Gas     |
| Barsukovskoye Zapadnoye        | 64.25     | 75.50     |           |           | Oil     |
| Dobrovol'skoye                 | 65.37     | 77.45     | 1990      | SI        | Oil     |
| Gubkinskoye Severnoye          | 65.00     | 76.70     | 1980      | SI        | Oil     |
| Gubkinskove (Gubkin Sev.,      |           |           |           |           |         |
| Prisklonoye                    | 65.00     | 76.70     | 1965      | PP        | Gas     |
| Izvestinskove                  | 64.52     | 76.21     | 1990      | PP        | Oil     |
| Karasevskoye (Tyumen)          | 64.73     | 73.86     | 1989      | SI        | Oil     |
| Kharvutinskove                 | 67.29     | 74.18     | 1976      | PP        | Oil     |
| Komsomol'skoye (Barsukovskoye) | 64.44     | 75.98     | 1966      | PS        | Gas     |
| Komsomolskove Severnoye        | 64.73     | 75.35     | 1969      | PP        | Gas     |
| Kraynyeyeskoye                 | 63.75     | 74.33     | 1982      | PS        | Oil     |
| Lenzitskoye                    | 66.32     | 72.87     | 1984      | SI        | Oil     |
| Malonovogodneye                | 61.18     | 77.08     | 1980      | SI        | Oil     |
| Malovar'yeganskoye             | 62.20     | 77.02     | 1986      | SI        | Oil     |
| Medvezhyeskoye                 | 66.23     | 74.00     | 1966      | PP        | Gas     |
| Meretayakhaskoye               | 64.61     | 74.59     | 1986      | SI        | Oil     |
| Muravlenkoskove                | 63.99     | 74.95     | 1978      | PS        | Oil     |
| Nadymskoye                     | 65.50     | 72.97     | 1972      | SI        | Gas     |
| Nakhodkaskoye                  | 68.02     | 78.17     | 1974      | SI        | Gas     |
| Neponyatnoye                   | 66.80     | 77.77     | 1986      | SI        | Oil     |
| Novoaganskoye                  | 61.83     | 78.13     | 1985      | SI        | Oil     |
| Novogodneyeskoye               | 63.49     | 76.92     | 1976      | PS        | Oil     |
| Novogodneyeskoye Zapadnoye     | 63.47     | 76.41     | 1987      | SI        | Oil     |
| Novomolodezhnoye               | 61.60     | 78.08     | 1977      | PS        | Oil     |
| Novopurpeyskoye                | 64.20     | 75.43     | 1983      | PS        | Oil     |
| Nydinskoye                     |           |           | 1981      | SI        | Gas     |
| Pangodyskoye                   | 65.56     | 74.53     | 1979      | SI        | Gas     |
| Paysyataskoye                  | 64.30     | 73.90     | 1988      | SI        | Oil     |
| Pestsovoye Zapadnoye           | 66.91     | 74.73     | 1985      | PP        | Gas     |
| Prisklonovoye                  | 65.18     | 76.97     |           |           | Oil     |
| Pulpuyakhskoye                 | 63.83     | 73.67     | 1977      | SI        | Oil     |
| Purpeyskoye Yuzhnoye           | 64.17     | 74.28     | 1984      | SI        | Oil     |
| Purpeyskoye Zapadnoye          | 64.59     | 75.54     | 1987      | PP        | Oil     |
| Pyamaliyakhskoye Severnoye     | 64.00     | 74.20     | 1982      | PS        | Oil     |
| Pyreynoye                      | 65.62     | 77.69     | 1976      | DV        | Gas     |
| Pyreynoye Yuzhnoye             | 65.62     | 77.69     | 1980      | SI        | Oil     |
| Ruch'yevskoye                  | 63.30     | 78.12     | 1987      | SI        | Oil     |
| Samburgskoye Yuzhnoye(Urengoy) | 66.81     | 77.37     | 1979      | SI        | Oil     |
| Samburgskoye (Urengoy)         | 66.81     | 77.37     | 1975      | DV        | Oil     |
| Sandibinskoye                  | 66.76     | 73.20     | 1982      | PP        | Oil     |
| Selivonikskoye                 | 62.73     | 76.56     | 1988      | SI        | Oil     |
| Sutorminskoye                  | 63.75     | 74.55     | 1975      | PS        | Oil     |
| Sutorminskoye Yuzhnoye         | 63.48     | 74.78     | 1988      | SI        | Oil     |
| Sutorminskoye Zapadnoye        | 64.00     | 74.58     |           | 0,        | Oil     |
| Tagrinskoye                    | 62.32     | 78.21     | 1975      | PS        | Oil     |
|                                | 64.49     | 75.20     | 1976      |           | 0.1     |

# Table 7D. Basic Field Information, Nadym-Pur Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                                   | North     | East      |              | Dreducing |            |  |  |  |
|-----------------------------------|-----------|-----------|--------------|-----------|------------|--|--|--|
| Field Nome                        | Latitude  | Latitude  | Discovery    | Producing | Primary    |  |  |  |
| Field Name                        | (degrees) | (degrees) | Date         | Status    | Product    |  |  |  |
| Tanuaalinakaya                    | 66.88     | 73.80     | 1097         | SI        | Caa        |  |  |  |
| Tanusalinskoye                    | 64.47     |           | 1987<br>1967 | PS        | Gas<br>Oil |  |  |  |
| Tarasovskoye (Ayvasedopurskoye)   |           | 77.73     |              |           |            |  |  |  |
| Tarko-Sale Vostochnoye            | 65.05     | 78.10     | 1971         | DV        | Gas        |  |  |  |
| Tarko-Sale Yuzhnoye               | 63.97     | 78.59     | 1984         | SI        | Oil        |  |  |  |
| Tarko-Sale Zapadnoye              | 64.79     | 77.20     | 1972         | PP        | Gas        |  |  |  |
| Tavlovskoye Yuzhnoye              | 64.57     | 75.08     | 4000         | SI        | Oil        |  |  |  |
| Umseyskoye                        | 64.08     | 74.39     | 1982         | PP        | Oil        |  |  |  |
| Umseyskoye Vostochnoye            | 64.19     | 74.61     | 1988         | SI        | Oil        |  |  |  |
| Urengoyskoye (Pestsovoye)         | 66.95     | 75.36     | 1970         | SI        | Gas        |  |  |  |
| Urengoyskoye (Samburg, Yevo-Yakha | ,         |           |              |           |            |  |  |  |
| Yen-Yakha, Urengoy Sev.,          |           |           |              |           | _          |  |  |  |
| Pestsovoye)                       | 66.05     | 76.95     | 1966         | PP        | Gas        |  |  |  |
| Urengoyskoye Severnoye            | 67.54     | 76.55     | 1970         | PP        | Gas        |  |  |  |
| Urengoyskoye Vostochnoye          | 66.08     | 77.49     | 1978         | UK        | Gas        |  |  |  |
| Van'yeganskoye                    | 61.85     | 77.23     | 1974         | PS        | Oil        |  |  |  |
| Var'yeganskoye 62.11              | 77.57     | 1967      | PS Oil       |           |            |  |  |  |
| Var'yeganskoye Severnoye          | 62.44     | 77.40     | 1971         | PS        | Oil        |  |  |  |
| Var'yeganskoye Yuzhnoye           | 62.20     | 76.73     | 1982         | SI        | Oil        |  |  |  |
| Var'yeganskoye Zapadnoye          | 62.31     | 76.69     | 1981         | PS        | Oil        |  |  |  |
| Vengapurskoye                     | 63.09     | 76.59     | 1968         | PP        | Gas        |  |  |  |
| Vengapurskoye Severnoye           | 63.20     | 76.70     | 1992         | SI        | Oil        |  |  |  |
| Vengapurskoye Yuzhnoye            | 62.63     | 76.82     | 1973         | PP        | Oil        |  |  |  |
| Vengapurskoye Zapadnoye           | 63.17     | 76.35     | 1992         | SI        | Oil        |  |  |  |
| Vengayakha (Vengayakha Vost.)     | 63.97     | 76.90     | 1968         | PS        | Gas        |  |  |  |
| Verkhnepurpey                     | 64.57     | 75.50     | 1976         | PP        | Gas        |  |  |  |
| Yamburgskoye                      | 67.98     | 75.84     | 1969         | PP        | Gas        |  |  |  |
| Yamsoveyskoye                     | 65.56     | 75.32     | 1970         | DV        | Gas        |  |  |  |
| Yangtaskoye Severnaya             | 64.23     | 74.94     | 1985         | SI        | Oil        |  |  |  |
| Yaraynerskoye                     | 63.17     | 77.79     | 1973         | PP        | Oil        |  |  |  |
| Yaraynerskove Severnove           | 63.17     | 77.90     | 1987         | SI        | Oil        |  |  |  |
| Yaraynerskoye Vostochnoye         | 63.08     | 77.89     | 1987         | SI        | Oil        |  |  |  |
| Yaraynerskoye Yuzhnoye            | 62.75     | 78.01     | 1988         | SI        | Oil        |  |  |  |
| Yareyskoye                        | 65.18     | 75.85     | 1989         | SI        | Gas        |  |  |  |
| Yenyakhaskoye 67.00               | 76.50     | 1976      | SI Oil       | -         |            |  |  |  |
| Yetypurskoye                      | 63.95     | 77.63     | 1971         | DV        | Gas        |  |  |  |
| Yevo-Yakhaskoye                   | 65.85     | 77.30     | 1980         | SI        | Gas        |  |  |  |
| Yubileynoye (Tyumen)              | 65.99     | 75.76     | 1969         | PP        | Gas        |  |  |  |
| Yubileynoye Vostochnoye           | 65.88     | 76.17     | 1988         | SI        | Gas        |  |  |  |
| Yumantyl'skoye                    | 65.06     | 72.89     | 1988         | SI        | Oil        |  |  |  |
| Yurkharovskoye                    | 67.78     | 77.08     | 1970         | SI        | Gas        |  |  |  |
| i antinai o voito yo              | 0.110     |           |              | 0.        | 040        |  |  |  |

#### Table 7D. Basic Field Information, Nadym-Pur Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned, uKN=Unknown. Alternate field names or combinations in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

|                                | Ultimate  |                   | Nonassociated |            |
|--------------------------------|-----------|-------------------|---------------|------------|
|                                | Crude Oil | Disolved Gas      | Gas           | Condensate |
|                                | (million  | (billion (billion | (million      | 1 1->      |
| Field Name                     | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Apakapurskoye                  | 80.93     | 63.53             |               |            |
| Ayeganskoye                    | 33.74     | 22.82             |               |            |
| Ayvasedopur Severnoye          | 00111     | 22.02             |               |            |
| (Tarasovskoye Sev.)            | 46.20     | 36.54             |               |            |
| Barsukovskoye                  | 10.20     | 00.01             | 4,531.10      | 222.02     |
| Barsukovskoye Zapadnoye        | 2.49      | 2.23              | 1,001.10      |            |
| Dobrovol'skoye                 | 54.08     | 26.93             |               |            |
| Gubkinskoye Severnoye          | 342.50    | 313.76            | 624.07        | 30.58      |
| Gubkinskoye (Gubkin Sev.,      | 0.2.00    | 0.0110            | 0             | 00.00      |
| Prisklonoye)                   | 0.22      | 0.17              | 10,580.14     | 0.16       |
| Izvestinskoye                  | 64.63     | 57.91             |               | 00         |
| Karasevskoye (Tyumen)          | 54.30     | 48.65             |               |            |
| Kharvutinskoye                 | 57.06     | 28.42             | 346.91        |            |
| Komsomol'skoye (Barsukovskoye) | 01100     | 20112             | 23,190.35     |            |
| Komsomolskoye Severnoye        |           |                   | 4,052.30      | 4.10       |
| Kraynyeyeskoye                 | 165.21    | 82.28             | 1,002.00      |            |
| Lenzitskoye                    | 163.80    | 83.87             |               |            |
| Malonovogodneye                | 4.79      | 4.29              |               |            |
| Malovar'yeganskoye             | 10.19     | 8.56              |               |            |
| Medvezhyeskoye                 | 0.11      | 0.09              | 54,896.48     |            |
| Meretayakhaskoye               | 95.83     | 85.86             | 01,000.10     |            |
| Muravlenkoskoye                | 816.81    | 376.16            | 5,185.13      |            |
| Nadymskoye                     | 010.01    | 070.10            | 1,227.61      |            |
| Nakhodkaskoye                  |           |                   | 3,857.11      |            |
| Neponyatnoye                   | 64.57     | 57.86             | 0,001111      |            |
| Novoaganskoye                  | 79.67     | 71.38             |               |            |
| Novogodneyeskoye               | 143.20    | 86.94             | 100.41        |            |
| Novogodneyeskoye Zapadnoye     | 2.95      | 2.37              |               |            |
| Novomolodezhnoye               | 232.65    | 132.71            |               |            |
| Novopurpeyskoye                | 438.01    | 154.15            |               |            |
| Nydinskoye                     |           |                   | 110.41        |            |
| Pangodyskoye                   | 170.59    | 75.75             | 1,726.22      |            |
| Paysyataskoye                  | 161.67    | 605.94            | .,            |            |
| Pestsovoye Zapadnoye           |           |                   | 2,885.48      |            |
| Prisklonovoye                  | 32.23     | 28.88             | _,            |            |
| Pulpuyakhskoye                 | 185.03    | 92.14             |               |            |
| Purpeyskoye Yuzhnoye           | 12.97     | 5.22              |               |            |
| Purpeyskoye Zapadnoye          | 35.85     | 32.12             |               |            |
| Pyamaliyakhskoye Severnoye     | 64.43     | 57.73             |               |            |
| Pyreynoye                      |           |                   | 77.80         |            |
| Pyreynoye Yuzhnoye             | 342.08    | 170.35            | 1,124.35      |            |
| Ruch'yevskoye                  | 2.76      | 1.20              | ,             |            |
| Samburgskoye Yuzhnoye(Urengoy) | 157.46    | 78.42             |               |            |
| Samburgskoye (Urengoy)         | 692.04    | 344.63            |               |            |
| Sandibinskoye                  | 63.30     | 29.69             |               |            |
| Selivonikskoye                 | 10.54     | 6.38              |               |            |
| Sutorminskoye                  | 2,479.98  | 1,364.58          |               |            |
| Sutorminskoye Yuzhnoye         | 24.68     | 22.11             |               |            |
| Sutorminskoye Zapadnny         | 39.13     | 19.49             |               |            |

## Table 8D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Nadym-Pur Region, West Siberian Basin (Sorted Alphabetically by Field Name)

 Table 8D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Nadym-Pur

 Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| Region, west Siber                                |           | ed Alphabetically b |               |                 |  |
|---|-----------|---------------------|---------------|-----------------|--|
|   | Ultimate  | Associated-         | Nonassociated |                 |  |
|   | Crude Oil | Disolved Gas        | Gas           | Condensate      |  |
|   | (million  | (billion (billion   | (million      | h e             |  |
| Field Name  | barrels)  | cubic feet)         | cubic feet)   | barrels)        |  |
| Tagrinskoye                                       | 374.81    | 71.82               |               |                 |  |
| Tanlovskoye Yuzhnoye                              | 143.29    | 128.39              |               |                 |  |
| Tanusalinskoye                                    |           |                     | 331.01        |                 |  |
| Tarasovskoye (Ayvasedopurskoye)                   | 4,117.24  | 3,191.67            | 2,675.57      | 15.33           |  |
| Tarko-Sale Vostochnoye                            | 422.77    | 131.68              | 4,122.40      | 26.90           |  |
| Tarko-Sale Yuzhnoye                               | 79.63     | 71.35               | .,            |                 |  |
| Tarko-Sale Zapadnoye                              | 80.15     | 39.92               | 2,709.00      |                 |  |
| Tavlovskoye Yuzhnoye                              | 129.02    | 115.60              | _,            |                 |  |
| Umseyskoye  | 247.05    | 90.93               |               |                 |  |
| Umseyskoye Vostochnoye                            | 9.55      | 8.56                |               |                 |  |
| Urengoyskoye (Pestsovoye)                         | 293.56    | 230.44              | 4,955.25      |                 |  |
| Urengoyskoye (Samburg,Yevo-Yakha                  |           | 200111              | 1,000120      |                 |  |
| Yen-Yakha,Urengoy Sev.,                           | • •       |                     |               |                 |  |
| Pestsovoye)                                       | 6,617.30  | 404.15              | 269,586.82    | 1,858.08        |  |
| Urengoyskoye Severnoye                            | 0,017.00  | 101110              | 23,117.35     | 41.78           |  |
| Urengoyskoye Vostochnoye                          |           |                     | 1,115.97      | 39.06           |  |
| Van'yeganskoye                                    | 1,135.66  | 457.64              | 1,264.33      | 34.66           |  |
| Var'yeganskoye                                    | 2,091.55  | 8,336.78            | 496.21        | 54.00           |  |
| Var'yeganskoye Severnoye                          | 1,292.93  | 1,699.88            | 412.54        | 8.25            |  |
| Var'yeganskoye Yuzhnoye                           | 73.70     | 61.44               | 412.04        | 0.20            |  |
| Var'yeganskoye Zapadnoye                          | 213.47    | 112.01              |               |                 |  |
| Vengapurskoye                                     | 595.91    | 1,814.72            | 5,722.36      |                 |  |
| Vengapurskoye Severnoye                           | 64.39     | 57.69               | 5,722.50      |                 |  |
| Vengapurskoye Severnoye                           | 899.51    | 365.95              |               |                 |  |
| Vengapurskoye Tuzimoye<br>Vengapurskoye Zapadnoye | 64.39     | 57.69               |               |                 |  |
| Vengayakha (Vengayakha Vost.)                     | 501.34    | 189.42              | 3,635.31      |                 |  |
| Verkhnepurpey                                     | 201.17    | 100.18              | 330.67        |                 |  |
| Yamburgskoye                                      | 201.17    | 100.16              | 117,806.60    | 432.63          |  |
| Yamsoveyskoye                                     |           |                     | 9,937.19      | 432.03<br>22.51 |  |
|   | 135.82    | 32.48               | 9,937.19      | 22.51           |  |
| Yangtaskoye Severnaya                             | 323.58    | 167.74              |               |                 |  |
| Yaraynerskove                                     |           |                     |               |                 |  |
| Yaraynerskoye Severnoye                           | 8.19      | 18.80               |               |                 |  |
| Yaraynerskoye Vostochnoye                         | 13.12     | 30.10               |               |                 |  |
| Yaraynerskoye Yuzhnoye                            | 18.36     | 8.01                | 400.04        |                 |  |
| Yareyskoye  | 070 07    | 104.04              | 138.81        |                 |  |
| Yenyakhaskoye                                     | 270.37    | 134.64              | 1,268.31      |                 |  |
| Yetypurskoye                                      | 143.62    | 94.44               | 4,686.52      |                 |  |
| Yevo-Yakhaskoye                                   | 445.04    |                     | 184.04        |                 |  |
| Yubileynoye (Tyumen)                              | 115.94    | 57.74               | 6,903.56      |                 |  |
| Yubileynoye Vostochnoye                           | 04.00     |                     | 314.43        |                 |  |
| Yumantyl'skoye                                    | 64.36     | 57.67               | F 404 00      |                 |  |
| Yurkharovskoye                                    |           |                     | 5,491.03      | 5.50            |  |
| TOTAL   | 28,170.44 | 23,021.65           | 581,721.12    | 2,741.56        |  |

| (Sorted Alphabetically                |           |           |           |           |                     |
|---------------------------------------|-----------|-----------|-----------|-----------|---------------------|
|                                       | North     | East      | Disserve  | Dreductor | Deline              |
|                                       | Latitude  | Latitude  | Discovery | Producing | Primary<br>Dreaduct |
| Field Name                            | (degrees) | (degrees) | Date      | Status    | Product             |
| Bakhilovskoye                         | 62.47     | 79.65     | 1983      | PS        | Oil                 |
| Beregovoye                            | 65.87     | 78.97     | 1982      | SI        | Gas                 |
| Chaselskoye Severnoye                 | 66.04     | 79.33     | 1987      | SI        | Gas                 |
| Chatylkynskoye                        | 63.44     | 80.99     | 1989      | SI        | Oil                 |
| Chernichnoye                          | 65.54     | 81.97     | 1985      | SI        | Oil                 |
| Festivalnoye (Tyumen)(Kamy)           | 63.73     | 79.48     | 1985      | DV        | Oil                 |
| Gaz-Sale                              | 67.40     | 80.43     | 1989      | SI        | Gas                 |
| lokhturskoye Severnoye                | 63.72     | 79.14     | 1987      | SI        | Oil                 |
| Khadyryakhaskoy                       | 65.30     | 79.53     | 1989      | SI        | Gas                 |
| Khadyryakhaskoye Yuzhnaya             | 65.03     | 79.98     | 1990      | SI        | Oil                 |
| Khalmerpayutaskoye                    | 67.75     | 81.15     | 1989      | SI        | Gas                 |
| Khancheyskoye (or Khangey)            | 64.82     | 79.41     | 1990      | SI        | Gas                 |
| Kharam-Pur Yuzhnoye                   | 63.85     | 79.87     | 1981      | SI        | Gas                 |
| Kharampur (Kharampur Yuz.)            | 64.22     | 79.65     | 1978      | PS        | Oil                 |
| Kharampur Zapadnoye                   | 64.17     | 78.92     | 1987      | SI        | Oil                 |
| Khay-Yakhinskoy                       | 66.27     | 77.67     | 1907      | SI        | Oil                 |
| Kholmistoye                           | 63.26     | 80.11     | 1988      | SI        | Oil                 |
|                                       | 65.15     | 80.58     | 1982      | SI        | Oil                 |
| Kynskoye                              | 67.20     | 80.40     | 1962      | SI        | Oil                 |
| Limbayakhaskoye                       |           |           |           | SI        |                     |
| Mangazeyskoye                         | 66.80     | 82.67     | 1987      |           | Oil                 |
| Messoyakhaskoye Vostochnaya           | 68.60     | 80.12     | 1989      | SI        | Oil                 |
| Novochaselskoye                       | 65.42     | 80.17     | 1989      | SI        | Oil                 |
| Perekatnoye                           | 67.74     | 78.69     | 1988      | SI        | Gas                 |
| Purovskoye Severnoye                  | 66.54     | 78.33     | 1986      | SI        | Gas                 |
| Pyakyakhinskoye                       | 67.84     | 80.13     | 1989      | SI        | Gas                 |
| Ravninnoye                            | 63.33     | 79.52     | 1987      | SI        | Oil                 |
| Russkorechenskoye                     | 67.14     | 81.82     | 1985      | SI        | Oil                 |
| Russkoye                              | 66.75     | 80.44     | 1968      | DV        | Oil                 |
| Russkoye Yuzhnoye                     | 65.93     | 80.38     | 1969      | DV        | Gas                 |
| Salekaptskoye                         | 67.50     | 78.30     | 1986      | SI        | Oil                 |
| Srede-Kharampur                       | 64.10     | 73.63     |           | SI        | Oil                 |
| Stakhanovskoye                        | 63.41     | 78.52     | 1988      | SI        | Oil                 |
| Stakhanovskoye Severnoye              |           |           |           | SI        | Oil                 |
| Suzunskoye                            | 68.34     | 83.60     | 1971      | SI        | Oil                 |
| Tagul'skoye                           | 67.75     | 82.78     | 1988      | SI        | Oil                 |
| Tapskoye                              | 64.58     | 78.82     | 1986      | SI        | Oil                 |
| Tazskoye                              | 67.39     | 78.92     | 1962      | PP        | Oil                 |
| Tazovskoye Vostochnoye                | 67.32     | 79.63     | 1980      | SI        | Gas                 |
| Tekto-Kharampur                       | 63.87     | 79.83     | 1990      | SI        | Oil                 |
| Terel'skoye                           | 64.38     | 80.04     | 1986      | SI        | Gas                 |
| Termokarstovoye                       | 65.43     | 82.54     | 1988      | SI        | Gas                 |
| Tolkinskoye                           | 64.33     | 82.28     | 1989      | SI        | GC                  |
| Ust Chaselskoye 65.12                 | 81.10     | 1981      | SI        | Oil       |                     |
| Ust Kharampur                         | 64.30     | 78.19     | 1983      | PP        | Oil                 |
| Verkhne Chasel'kaskoye                | 65.20     | 80.40     | 1980      | SI        | Oil                 |
| Verkhne-Kolikyeganskoye               | 62.42     | 80.15     | 1981      | PS        | Oil                 |
| Yakhturskoye Severnoye                | 63.75     | 79.00     |           | SI        | Oil                 |
| Yarovoye                              | 66.00     | 79.50     | 1991      | SI        | Gas                 |
| Yaroyakhaskoye                        | 66.23     | 78.75     | 1984      | PP        | Gas                 |
| Yesetinskoye                          | 66.42     | 77.58     |           | SI        | Oil                 |
| Yesetinskoye Severnoye                | 66.50     | 77.50     |           | SI        | Oil                 |
| · · · · · · · · · · · · · · · · · · · |           |           |           |           |                     |

# Table 9D. Basic Field Information, Pur-Taz Region, West Siberian Basin \_\_\_\_\_\_(Sorted Alphabetically by Field Name)

| Field Name             | North<br>Latitude<br>(degrees) | East<br>Latitude<br>(degrees) | Discovery<br>Date | Producing<br>Status | Primary<br>Product |
|------------------------|--------------------------------|-------------------------------|-------------------|---------------------|--------------------|
| Yutyrmalskoye          | 64.82                          | 81.41                         | 1988              | SI                  | Gas                |
| Zapolyarnoye           | 66.87                          | 79.63                         | 1965              | DV                  | Gas                |
| Zapolyarnoye Zapadnoye | 66.70                          | 78.78                         | 1979              | SI                  | Gas                |

## Table 9D. Basic Field Information, Pur-Taz Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis. Source: Energy information Administration, Office of Oil and Gas.

| Field Name         (million<br>barrels)         (million<br>cubic feet)         (million<br>cubic feet)         barrels)           Bakhilovskoye         315.72         178.49           Beregovoye         130.13         102.15         5.777.28           Chaselskoye Severnoye         241.86         241.86           Chaselskoye Severnoye         26.91         15.25           Charkleynskoye         22.67         12.84           Khadyryakhaskoye         434.66         434.66           Khadyryakhaskoye         98.62         1.13           Khadryakhaskoye         97.67         103.54         3.080.19           Kharampur (Kharampur Yuz.)         634.43         485.37         17.927.84         14.82           Kharampur Zapadnoye         23.73         8.56         1.13         Kharampur Zapadnoye         22.85           Kharampur Zapadnoye         23.73         8.56         1.46         14.82           Kharampur Kharampur Vaz.)         634.43         23.78         14.82           Kharampur Kharamp   |                            | Ultimate  | Associated-         | Nonassociated        |            |
|--|----------------------------|-----------|---------------------|----------------------|------------|
| Field Name         barrels)         cubic feet)         cubic feet)         barrels)           Bakhilovskoye         315.72         178.49           Beregovye         130.13         102.15         5,777.28           Chastlskoye Severnoye         241.86         241.86           Chastlskoye Severnoye         26.91         15.25           Festivalnoye (Tyumen)(Kamy)         40.16         8.83           Gaz-Sale         257.34         9.01           Iokhturskoye Severnoye         22.67         12.84           Khadyryakhaskoye         433.66         1434.66           Khadyryakhaskoye Yuzhnaya         15.31         12.02           Kharmerpayutaskoye         98.62         1.13           Kharampur Yuzhnoye         97.67         103.54         3.080.19           Kharampur Yuzhnoye         27.55         4.16         14.82           Kharampur Zapadnoye         32.94         18.66         14.82           Kharampur Zapadnoye         22.13         23.73         8.56           Kynskoye         211.90         923.65         924.94           Perekatnoye         211.90         923.85         924.94           Pakyakhinskoye         2.702.07         402.61         2.80  |                            | Crude Oil | <b>Disolved Gas</b> | Gas                  | Condensate |
| Bakhilovskoye         315.72         178.49           Beregovoye         130.13         102.15         5.777.28           Chaselskoye Severnoye         241.86         241.86           Chaselskoye         26.91         15.25           Festivalnoye (Tyumen)(Kamy)         40.16         8.83           Gaz-Sale         257.34         9.01           Iokhturskoye Severnoye         22.67         12.84           Khadyryakhaskoye         434.66         434.66           Khadyryakhaskoye (or Khangey)         96.62         1.13           Kharampur Kharampur Kharampur Kuz)         634.43         485.37         17,927.84         14.82           Kharampur Kharampur Yuz)         634.43         485.66         1.482         Kharampur Kharampur Yuz)         634.43         485.65           Kharampur Kharampur Yuz)         634.43         485.66         1.482         Kharampur Kharampur Yuz)         634.43         485.65         1.464           Messoyakhaskoye vostochnaya         179.01         21.66         495.65         Novochaselskoye         22.72         1.90           Purovskoye Severnoye         92.365         7.39         Russkorechenskoye         1.494.14         Raminoye           Russkorechenskoye         123.04   |                            | (million  | (billion (billion   | (million             |            |
| Beregovoye <sup>*</sup> 130.13 102.15 5.777.28<br>Chaselskoye Severnoye 24.6.91 15.25<br>Chernichnoye 26.91 15.25<br>Festivalnoye (Fyumen)(Kamy) 40.16 8.83<br>Gaz.Sale 257.34 9.01<br>lokhturskoye Severnoye 22.67 12.84<br>Khadyryakhaskoye 106.76<br>Khadyryakhaskoye 106.76<br>Khadnyakhaskoye 97.67 103.54 3.080.19<br>Kharampur (Kharampur Yuz.) 634.43 485.37 17,927.84 14.82<br>Kharampur Zapadnoye 32.94 18.66<br>Khay-Yakhinskoye 23.73 8.56<br>Kynskoye 25.54 .16<br>Khayse 23.73 8.56<br>Kynskoye 260.28 146.90<br>Perekatnoye 260.28 146.90<br>Perekatnoye 27.55 4.16<br>Kussoye Kustochnaya 179.01 21.66 495.65<br>Novochaselskoye 27.05 4.14<br>Rawinnoye 66.25 37.39<br>Russkore Yuzhnoye 109.29 106.84<br>Russkoye Yuzhnoye 123.04 69.44<br>Russkoye Yuzhnoye 123.04 69.44<br>Russkoye Yuzhnoye 123.04 69.44<br>Russkoye Svernoye 2.702.07 402.61 2,804.31<br>Russkoye Yuzhnoye 66.25 37.39<br>Russkore Yuzhnoye 66.25 37.39<br>Russkore Yuzhnoye 66.127 243.96<br>Stakhanovskoye 395.64 17.79<br>Stakhanovskoye 395.64 17.79<br>Stakhanovskoye 395.64 17.79<br>Stakhanovskoye 395.64 17.79<br>Tagul'skoye 109.22 60.90<br>Tazskoye 1               | Field Name                 | barrels)  | cubic feet)         | cubic feet)          | barrels)   |
| Beregovove <sup>-</sup> 130.13 102.15 5.777.28<br>Chaselskoye Severnoye 22.61 29.57<br>Chernichnoye 26.91 15.25<br>Estivalnoye (Fyumen)(Kamy) 40.16 8.83<br>Gaz-Sale 257.34 9.01<br>kokturskoye Severnoye 22.67 12.84<br>Khadyryakhaskoye 106.76<br>Khadyryakhaskoye 97.67 103.54 3,080.19<br>Kharampur (Kharampur Yuz.) 634.43 485.37 17.927.84 14.82<br>Kharampur Zapadnoye 32.94 18.66<br>Khoy-Yakhinskoye 55.5 4.16<br>Kholmistoye 23.73 8.56<br>Kynskoye 55.40<br>Limbayakhaskoye 42.13 23.78<br>Mangazeyskoye 45.18 14.64<br>Messoyakhaskoye 260.28 146.90<br>Perekatnoye 27.55 4.16<br>Khosense 27.39<br>Russkorechenskoye 27.00<br>Parkatnoye 27.55 4.14<br>Stakhanorskoye 32.94<br>Russkoye Vuztnoye 42.13 23.78<br>Mangazeyskoye 45.18 14.64<br>Messoyakhaskoye 260.28 146.90<br>Perekatnoye 27.55 4.16<br>Stode-Kharampur (L2)<br>Stode-Kharampur (L2 |                            |           |                     |                      |            |
| Chaselsköye Severnoye         241.86           Chasilkniskoye         52.51         29.57           Chardiklynskoye         26.91         15.25           Festivalnoye (Tyumen)(Kamy)         40.16         8.83           Gaz-Sale         257.34         9.01           lokhturskoye Severnoye         22.67         12.84         434.66           Khadyryakhaskoye         106.76         14.84         14.86           Khadyryakhaskoye vuzhnaya         15.31         12.02         106.76         13.34           Khadryakhaskoye vuzhnaya         15.31         12.02         16.76         13.34           Kharampur Vuzhnoye         97.67         103.54         3.080.19         14.82           Kharampur Yuzhonye         27.55         4.16         14.82         14.82           Kharampur Yuzhonye         27.55         4.16         14.82         14.82           Kharampur Zapadnoye         32.94         18.66         14.64         14.82         14.82         14.82           Kharampur Zapadnoye         23.73         8.56         14.84         14.82         14.82         14.82         14.82         14.82         14.82         14.83         14.82         14.83         14.84         14.82  |                            |           |                     |                      | 178.49     |
| Chalykynskoye 52.51 29.57<br>Chemichnoye [26.91 15.25<br>Festivalnoye (Tyumen)(Kamy) 40.16 8.83<br>Gaz-Sale 257.34 9.01<br>lokhturskoye Severnoye 22.67 12.84<br>Khadyryakhaskoye 15.31 12.02<br>Khadnepsytakoye 106.76<br>Khadnepsytakoye 106.76<br>Kharam-Pur Yuzhnoye 97.67 103.54 3.080.19<br>Kharam-Pur Yuzhnoye 97.67 103.54 3.080.19<br>Kharam-Pur Yuzhnoye 97.67 103.54 3.080.19<br>Kharam-Pur Yuzhnoye 97.65 4.16<br>Khoarmapur (Kharampur Yuz.) 634.43 485.37 17,927.84 14.82<br>Kharam-Pur Yuzhnoye 7.55 4.16<br>Khowistoye 23.73 8.56<br>Limbayakhaskoye 02.55 4.16<br>Khomistoye 42.13 23.78<br>Mangazeyskoye 045.18 14.64<br>Maessoyakhaskoye 0260.28 146.90<br>Purovskoye Severnoye 23.04<br>Brekatnoye 05.54<br>Novochaselskoye 0260.28 146.90<br>Purovskoye Severnoye 923.65<br>Pyakyakhinskoye 123.04 69.44<br>Russkoye Nuzhnoye 166.25 37.39<br>Russkorechenskoye 123.04<br>Russkorechenskoye 123.04<br>Stede-Kharampur 7.55 4.14<br>Stakhanovskoye 389.37 193.90 2.424.70<br>Tagulskoye 95.64 17.79<br>Stakhanovskoye 389.37 193.90 2.424.70<br>Tagulskoye 95.64 17.79<br>Tagskoye 199.22 60.90<br>Tazskoye 095.64 17.79<br>Tagulskoye 95.64 17.79<br>Tagskoye 199.22 60.90<br>Tazskoye 095.64 17.79<br>Tagulskoye 199.22 60.90<br>Tazskoye 095.64 17.79<br>Tagskoye 199.22 60.90<br>Tazskoye 199.20 10.00<br>Terel'skoy 199.20 1.00<br>Terel'skoy 199.20 1.00<br>Terel'skoy 199.20 1.00<br>Terel'skoy 199.20 1.00<br>Terel'skoy 199.20 1.00<br>Terel'skoy 199.20 2.60.30<br>Tazovskoye Severnoye 95.64 3.04<br>1.02<br>Verkher-Kolkyeganskoye 13.04 10.23<br>Verkher Kolkyeganskoye 7.55 4.14<br>Yatoyakaskoye 7.271.16 254.49   |                            | 130.13    | 102.15              |                      |            |
| Chernicknoye 26.91 15.25<br>Festivalnoye (Tyumen)(Kamy) 40.16 8.83<br>Gaz-Sale 257.34 9.01<br>lokhturskoye Severnoye 22.67 12.84<br>Khadyryakhaskoye Yuzhnaya 15.31 12.02<br>Khalmerpayutaskoye 97.67 103.54 3.080.19<br>Kharam-Pur Yuzhnoye 97.67 103.54 3.080.19<br>Kharampur Kharampur Yuz.) 634.43 485.37 17.927.84 14.82<br>Kharampur Zapadnoye 32.94 18.66<br>Khay'yakhinskoye 7.55 4.16<br>Kholmistoye 23.73 8.56<br>Kynskoye 23.73 8.56<br>Kynskoye 42.13 23.78<br>Mangazeyskoye 45.18 14.64<br>Messoyakhaskoye Vostochnaya 179.01 21.66 495.65<br>Novochaselskoye 260.28 146.90<br>Purovskoye Severnoye 92.36.5<br>Puroskoye Severnoye 123.04 69.44<br>Russkorechenskoye 123.04 69.44<br>Russkorechenskoye 123.04 69.44<br>Russkoye 123.04 69.44<br>Russkoye 123.04 69.44<br>Russkoye 123.04 69.44<br>Stakhanovskoye 661.27 243.96<br>Stakhanovskoye 500<br>Suzinskoye 109.22 60.90<br>Tazskoye 109.22 60.90<br>Tazovskoye 109.22 60.90<br>Tazskoye 109.22 60.90<br>Tazovskoye Severnoye 918.46 45.00<br>Tolkinskoye 11.21 105.18 394.35 15.40<br>Ust Chaselskaskoye 13.04 10.23<br>Verkher-Kolkiyeganskoye 4.886.64 3.040.00 3.615.02 4.49<br>Yathurskoye Severnoye 7.55 4.14<br>Yarovya 4.886.64 3.040.00 3.615.02 4.49<br>Yathurskoye Severnoye 7.55 4.14<br>Yarovya 4.886.64 3.040.00 3.615.02 4.49<br>Yathurskoye Severnoye 7.55 4.14<br>Yarovya 4.886.64 3.040.00 3.615.02 4.49  |                            |           |                     | 241.86               |            |
| Festivalnoyé (Tyumen)(Kamy)       40.16       8.83         Gaz-Sale       257.34       9.01         Gaz-Sale       257.34       9.01         Iokhturskoye Severnoye       22.67       12.84       433.66         Khadyryakhaskoye Yuzhaya       15.31       12.02       106.76         Khantmerpayutaskoye       98.62       1.13         Kharam-Pur Yuzhnoye       97.67       103.54       3.080.19         Kharam-Pur Yuzhnoye       7.55       4.16       Kharampur Zapadnoye       32.94       18.66         Khay-Yakhinskoye       7.55       4.16       Kholynskoye       25.40       1.13         Khasyayekanskoye Vostochnaya       179.01       21.66       495.65       1.10         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65       1.44         Novochaselskoye       2.702.07       402.61       2.804.31       2.84         Russkorechenskoye       123.04       69.44       1.494.14       1.494.14         Russkorechenskoye       2.702.07       402.61       2.804.31       1.494.14         Russkorechenskoye       189.29       106.84       1.612.27       3.85         Stakhanovskoye Severnoye       42.13       2.378       2.603.  |                            |           |                     |                      |            |
| Gaz-Sale         257.34         9.01           lokhturskove Severnoye         22.67         12.84         434.66           Khadyryakhaskoye         434.66         106.76           Khadyryakhaskoye (or Khangey)         98.62         1.13           Khareneyskoye (or Khangey)         98.62         1.13           Kharam-Pur Yuzhonoye         97.67         103.54         3.080.19           Kharampur Zapadnoye         32.94         18.66         1.482           Kharampur Zapadnoye         23.73         8.56         5.40           Limbayakhaskoye         42.13         23.78         Mangazeyskoye         45.18         14.64           Messoyakhaskoye Vostochnaya         179.01         21.66         495.65         9.00           Perekatnoye         2211.90         923.65         9.21.90         9.00           Purovskoye Severnoye         123.04         69.44         1.49.41         8.28         1.494.14         8.28         1.61.21.27         2.284.41         2.275.5         4.14         5.28.41         1.2.27         5.28.41         1.2.27         5.28.41         1.2.27         5.28.41         1.2.27         5.28.41         1.2.27         5.28.41         1.2.27         5.28.41.41         5.28.41         5  |                            |           |                     |                      |            |
| lokhturskoye Severnoye         22.67         12.84           Khadyryakhaskoye         434.66           Khadyryakhaskoye         106.76           Khadyryakhaskoye (or Khangey)         98.62         1.13           Kharam-Pur Yuzhnoye         97.67         103.54         3,080.19           Kharam-Pur Yuzhnoye         97.67         103.54         3,080.19           Kharam-Pur Yuzhonoye         32.94         18.66         1.13           Kharampur (Kharampur Yuz.)         634.43         485.37         17.927.84         14.82           Kharampur Zapadnoye         32.94         18.66         1.86         1.46           Kharomy Zapadnoye         23.73         8.56         1.13         1.464           Messoyakhaskoye Vostochnaya         179.01         21.66         495.65         1.44           Messoyakhaskoye Vostochnaya         179.01         21.66         495.65         1.494.14           Ravinnoye         66.25         37.39         1.494.14         1.494.14           Ravinnoye         27.02.07         402.41         2.804.31         1.494.14           Russkoye Vuzhnoye         16.121.27         2.814.80         2.804.31         1.6121.27           Salekaptskoye         199.29  |                            | 40.16     | 8.83                |                      |            |
| Khadyryakhaskoye       434.66         Khadyryakhaskoye Yuzhnaya       15.31       12.02         Khalmerpayutaskoye       106.76         Khancheyskoye (or Khangey)       97.67       103.54       3.080.19         Kharam-Pur Yuz.)       634.43       485.37       17.927.84       14.82         Kharampur Zapadnoye       32.94       18.66       Kharampur Zapadnoye       14.82         Kharampur Zapadnoye       32.94       18.66       Kharampur Yuz.)       634.43       485.37       17.927.84       14.82         Kharampur Zapadnoye       32.94       18.66       Kharampur Yuz.)       634.43       485.37       17.927.84       14.82         Kharampur Zapadnoye       23.73       8.56       5.40       Kharampur Sapadnoye       14.82         Khandskoye       42.13       23.78       Mangazeyskoye       211.90       Perekanoye       223.65       Pakyakhinskoye       14.94.14       Rawinnoye       66.25       37.39       Russkoye Severnoye       923.65       Pakyakhinskoye       14.94.14       Rawinnoye       66.25       37.39       Russkoye Yuzhnoye       16.121.27       Salekaptskoye       16.121.27       Salekaptskoye       28.94.31       Sakhanovskoye Severnoye       92.64       17.79       72.60.90       72.7   |                            |           |                     | 257.34               | 9.01       |
| Khadyryakhaskove Yuzhnaya       15.31       12.02         Khalmerpayutaskove       106.76         Khancheyskove (or Khangey)       97.67       103.54       3.080.19         Kharampur Yuzhnoye       97.67       103.54       3.080.19         Kharampur Zapadnoye       32.94       18.66         Kharampur Zapadnoye       23.73       8.56         Khorkeyskove       7.55       4.16         Khorkeyskakove       23.73       8.56         Khynskoye       55.40       106.76         Limbayakhaskove       42.13       23.78         Margazeyskoye       45.18       14.64         Messoyakhaskove Vostochnaya       179.01       21.66         Novochaselskoye       260.28       146.90         Perekatnoye       923.65       923.65         Pyakyakhinskoye       1.494.14       14.84         Rasinnove       66.25       37.39         Russkorechenskoye       189.29       106.84         Stalkanovskoye       661.27       243.96         Stakhanovskoye       661.27       243.96         Stakhanovskoye       389.37       193.90       2.424.70         Tagul'skoye       95.64       17.79       136.43  |                            | 22.67     | 12.84               |                      |            |
| Khalmerpayutaskoye     106.76       Khancheyskoye (or Khangey)     97.67     103.54     3,080.19       Kharam-Pur Yuzhnoye     97.67     103.54     3,080.19       Kharampur K(karampur Yuz.)     634.43     485.37     17,927.84     14.82       Kharampur Zapadnoye     32.94     18.66     Kharampur Xuz.)     634.43     485.37     17,927.84     14.82       Kharampur Zapadnoye     32.94     18.66     Kholiniskoye     7.55     4.16       Khay-Yakhinskoye     23.73     8.56     55.40     Kholiniskoye     55.40       Limbayakhaskoye     42.13     23.78     23.78     14.69       Messoyakhaskoye Vostochnaya     179.01     21.66     495.65       Novochaselskoye     260.28     146.90     211.90       Perekatnoye     92.30.6     7.39     14.82       Russkoye Severnoye     1.494.14     23.78     23.65       Pyakyakhinskoye     17.927.84     24.94     24.13       Russkoye Vuzhnoye     16,121.27     24.96     34.43       Stakhanovskoye     2.702.07     402.61     2,804.31       Stakhanovskoye     661.27     24.396     32.78       Staukhanovskoye     361.27     24.396     50.41       Staukhanovskoye Severnoye     42  |                            |           |                     | 434.66               |            |
| Khancheyskoye (or Khangey)       97.67       103.54       3,080.19         Kharam-Pur Yuzhnoye       97.67       103.54       3,080.19         Kharampur Kharampur Yuz.)       634.43       485.37       17,927.84       14.82         Kharampur Kharampur Kharampur Kharampur Kharampur Zapadnoye       32.94       18.66       14.82         Kharampur Karampa Kar   | Khadyryakhaskoye Yuzhnaya  | 15.31     | 12.02               |                      |            |
| Kharam-Pur Ýuzhnoye     97.67     103.54     3,080.19       Kharampur (Kharampur Yuz.)     634.43     485.37     17,927.84     14.82       Kharampur Zapadnoye     32.94     18.66     Kharampur Yuz.)     634.43     485.37     17,927.84     14.82       Kharampur Zapadnoye     32.94     18.66     Kharampur Yuz.)     634.43     485.37     17,927.84     14.82       Kharamur Zapadnoye     32.73     8.56     Kinskoye     55.40     Limbayakhaskoye     42.13     23.78       Mangazeyskoye     45.18     14.64     Messoyakhaskoye Vostochnaya     179.01     21.66     495.65       Novochaselskoye     260.28     146.90     Perekatnoye     223.65     Pyakyakhinskoye     1,494.14       Ravninnoye     66.25     37.39     Russkoye Vuzhnoye     16,121.27       Salekaptskoye     123.04     69.44     Stakhanovskoye     2,404.31       Russkoye Yuzhnoye     16,121.27     Salekaptskoye     16,121.27       Salekaptskoye     189.29     106.84     Stakhanovskoye     661.27       Stakhanovskoye Severnoye     42.13     23.78     Suzunskoje     2,603.01       Suzunskoje     95.64     17.79     139.80     2,424.70     139.83       Tagul'skoye     109.22     60.90  | Khalmerpayutaskoye         |           |                     | 106.76               |            |
| Kharampur (Kharampur Yuz.)       634.43       485.37       17,927.84       14.82         Kharampur Zapadnoye       32.94       18.66       14.82         Khay-Yakhinskoye       7.55       4.16       16         Kholmistoye       23.73       8.56       54.0         Kynskoye       23.73       8.56       14.64         Mangazeyskoye       42.13       23.78       17.927.84         Mangazeyskoye       42.13       23.78       17.927.84         Mangazeyskoye       42.13       23.78       16.90         Perekanoye       2211.90       121.66       495.65         Novochaselskoye       223.65       14.94.14       14.82         Rawninoye       66.25       37.39       16,121.27         Salekaptskoye       2,702.07       402.61       2,804.31         Russkoye Vuzhnoye       16,121.27       16,121.27         Salekaptskoye       189.29       106.84       14.92         Srede-Kharampur       7.55       4.14       14.82         Stakhanovskoye Severnoye       42.13       23.78       12.30.6         Suzunskoye       109.22       60.90       12.30.4       12.43.6         Tazokoye       10.92.2   | Khancheyskoye (or Khangey) |           |                     | 98.62                | 1.13       |
| Kharampur Zapadnoye       32.94       18.66         Khay Yakhinskoye       7.55       4.16         Kholmistoye       23.73       8.56         Kynskoye       42.13       23.78         Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       211.90         Perekatnoye       923.65       992.865       992.865         Pyakyakhinskoye       1.23.04       69.44       84.4         Russkoye Vuzhnoye       16,121.27       53.40       84.4         Russkoye Vuzhnoye       16,121.27       53.44.4       53.44.4         Stakhanovskoye Severnoye       189.29       106.84       7.75       4.14         Stakhanovskoye Severnoye       42.13       23.78       53.41.4       53.41.4         Stakhanovskoye Severnoye       42.13       23.78       53.41.4       53.41.4         Stakhanovskoye Severnoye       42.13       23.78       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4       53.41.4   | Kharam-Pur Yuzhnoye        | 97.67     | 103.54              | 3,080.19             |            |
| Kharampur Zapadnoye       32.94       18.66         Khay Yakhinskoye       7.55       4.16         Kholmistoye       23.73       8.56         Kynskoye       42.13       23.78         Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       211.90         Perekatnoye       923.65       923.65       923.65         Pyakyakhinskoye       1,494.14       4       4         Rassoyakoskoye       16,121.27       32.84       4         Russkoye       189.29       106.84       7       5         Stakhanovskoye       661.27       243.96       5       5         Stakhanovskoye       661.27       243.96       5       5         Stakhanovskoye       661.27       243.96       5       5       4       1         Stakhanovskoye       96.64       17.79       7       7       7       3       2,603.30       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<  | Kharampur (Kharampur Yuz.) | 634.43    | 485.37              | 17,927.84            | 14.82      |
| Khay-Yakhinskoye       7.55       4.16         Kholmistoye       23.73       8.56         Kynskoye       23.73       8.56         Kynskoye       23.73       8.56         Kynskoye       23.73       8.56         Kynskoye       42.13       23.78         Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       Perekatnoye       211.90         Purovskoye Severnoye       923.65       1,494.14       Ravninnoye       66.25       37.39         Russkorechenskoye       123.04       69.44       166,121.27       Salekaptskoye       128.04       166,121.27         Salekaptskoye       189.29       106.84       Srede-Kharampur       7.55       4.14         Stakhanovskoye Severnoye       42.13       23.78       Suzunskoye       Suzunskoye       30.90       2,424.70         Tazskoye       109.22       60.90       7       2,603.30       10.91         Tazovskoye Vostochnoye       2,603.30       2,603.30       10.91       10.91         Terel'skoy       918.46       45.00       364.13       8.74 <t< td=""><td></td><td>32.94</td><td>18.66</td><td></td><td></td></t<>   |                            | 32.94     | 18.66               |                      |            |
| Kholmistoye       23.73       8.56         Kynskoye       55.40         Limbayakhaskoye       42.13       23.78         Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       Perekatnoye       923.65         Parkyakhinskoye       1,494.14       Ravininoye       66.25       37.39       Russkorechenskoye       1,494.14         Ravininoye       66.25       37.39       16,121.27       Salekaptskoye       16,121.27         Salekaptskoye       189.29       106.84       Srede-Kharampur       7.55       4.14         Stakhanovskoye Severnoye       42.13       23.78       Suzunskoye       2,424.70       Tagul'skoye         Stakhanovskoye Severnoye       42.13       23.78       Suzunskoye       2,603.30       2,424.70         Tagul'skoye       95.64       17.79       79       Tagokoye       2,603.30       179         Tazovskoye Vostochnoye       2.00       1.00       869.32       174       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       Verkhne Chasel'kaskoye       13.04       10.23       Verk   |                            |           |                     |                      |            |
| Kynskoye       55.40         Limbayakhaskoye       42.13       23.78         Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       211.90         Perekatnoye       223.65       2923.65         Pyakyakhinskoye       1,494.14       Ravninnoye       66.25       37.39         Russkorechenskoye       123.04       69.44       Russkoye Yuzhnoye       16,121.27         Salekaptskoye       189.29       106.84       5       5         Stakhanovskoye       661.27       243.96       5         Stakhanovskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79       7         Tagul'skoye       95.64       17.79       7         Tagskoye       2.00       1.00       1         Terrel'skoy       2.00       1.00       1         Terrel'skoy       2.60.30       364.13       8.74         Ust Kharampur       2.260       28.22       1       15.18       394.35       15.40         Ust Kharampur       2.00       1.00       10.23       14  |                            |           |                     |                      |            |
| Limbayakhaskoye 42.13 23.78<br>Mangazeyskoye 45.18 14.64<br>Messoyakhaskoye Vostochnaya 179.01 21.66 495.65<br>Novochaselskoye 260.28 146.90<br>Perekatnoye 2023.65<br>Pyakyakhinskoye 66.25 37.39<br>Russkorechenskoye 123.04 69.44<br>Russkoye 2,702.07 402.61 2,804.31<br>Russkoye 2,702.07 402.61 2,804.31<br>Russkoye 123.04 69.44<br>Stede-Kharampur 7.55 4.14<br>Stakhanovskoye Severnoye 661.27 243.96<br>Stakhanovskoye Severnoye 42.13 23.78<br>Suzunskoye 389.37 193.90 2,424.70<br>Tagul'skoye 109.22 60.90<br>Tazskoye Vostochnoye 2,603.06 4,278.68 50.49<br>Tazovskoye Vostochnoye 2,000 1.00<br>Terel'skoy 2,000 1.00<br>Terel'skoy 2,000 1.00<br>Terel'skoye 2,11.21 105.18 394.35 15.40<br>Ust Kharampur 52.60 28.82<br>Verkhne Chasel'kaskoye 13.04 10.23<br>Verkhne-Kolikyeganskoye 4,896.64 3,040.00 3,615.02 4.49<br>Yahouskoye 2,71.16 254.49   |                            |           |                     | 55.40                |            |
| Mangazeyskoye       45.18       14.64         Messoyakhaskoye Vostochnaya       179.01       21.66       495.65         Novochaselskoye       260.28       146.90       Perekatnoye       923.65         Purovskoye Severnoye       923.65       1,494.14       Ravininnoye       66.25       37.39         Russkorechenskoye       123.04       69.44       Russkorechenskoye       16,121.27         Salekaptskoye       189.29       106.84       Stede-Kharampur       7.55       4.14         Stakhanovskoye       661.27       243.96       Stakhanovskoye       56.4       17.79         Tapskoye       199.22       60.90       728.68       50.49         Tazskoye Vostochnoye       2,603.30       2,603.30       7         Terel'skoy       20.0       1.00       7         Teref'skoy       260.30       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Verkhne-Kolikyeganskoye       4,896.64       3,040.00       3,615.02       4.49         Yarovaye       7.55       4.14       74.18       74.18       74.19   |                            | 42 13     | 23 78               | 00110                |            |
| Messoyakhaskoye Vostochnaya         179.01         21.66         495.65           Novochaselskoye         260.28         146.90         211.90           Perekatnoye         923.65         923.65           Pyakyakhinskoye         1,494.14         Ravninnoye         66.25         37.39           Russkorechenskoye         123.04         69.44         Russkoye         2,804.31           Russkoye Yuzhnoye         16,121.27         Salekaptskoye         16,121.27           Salekaptskoye         189.29         106.84         Srede-Kharampur         7.55         4.14           Stakhanovskoye Severnoye         42.13         23.78         Suzunskoje         383.37         193.90         2,424.70           Tagul'skoye         95.64         17.79         2,603.30         172.868         50.49           Tazovskoye Vostochnoye         2.00         1.00         2,603.30         198.46         45.00           Terel'skoy         869.32         11.3         8.74         3.74         3.74           Ust Kharampur         2.00         1.00         100         100         100         101         869.32         15.40           Ust Kharampur         52.60         28.82         15.40         15.40  |                            |           |                     |                      |            |
| Novochaselskoye         260.28         146.90           Perekatnoye         923.65           Pyakyakhinskoye         1,494.14           Ravninnoye         66.25         37.39           Russkorechenskoye         123.04         69.44           Russkoye Yuzhnoye         2,702.07         402.61         2,804.31           Russkoye Yuzhnoye         16,121.27         Salekaptskoye         189.29         106.84           Stakhanovskoye         661.27         243.96         2424.70         Salekaptskoye           Stakhanovskoye Severnoye         42.13         23.78         23.78         25.64         17.79           Tagul'skoye         109.22         60.90         2,603.30         193.90         2,424.70           Tagul'skoye         95.64         17.79         79         79         79         70           Tazovskoye Vostochnoye         2.00         1.00         260.30         10.41.3         8.74           Ust Chaselskoye         211.21         105.18         394.35         15.40         105.18         394.35         15.40           Ust Kharampur         52.60         28.82         26.02         24.49         24.49           Verkhne Chasel'kaskoye         13.04  |                            |           |                     | 495 65               |            |
| Perekatnoye       211.90         Purovskoye Severnoye       923.65         Pyakyakhinskoye       1,494.14         Ravninnoye       66.25       37.39         Russkorechenskoye       123.04       69.44         Russkoye       2,702.07       402.61       2,804.31         Russkoye       2,702.07       402.61       2,804.31         Russkoye       2,702.07       402.61       2,804.31         Russkoye       16,121.27       Salekaptskoye       16,121.27         Salekaptskoye       661.27       243.96       Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       389.37       193.90       2,424.70       7agul'skoye       95.64       17.79         Tapskoye       95.64       17.79       260.3.00       7azovskoye Vostochnoye       2,603.30       7azovskoye Vostochnoye       2,603.30       7erel'skoy       869.32       7erel'skoy       364.13       8.74         Ust Kharampur       20.00       1.00       364.13       8.74       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.2       28.2       28.2       28.2       28.2       24.49       24.49       24.49       24.49       <   |                            |           |                     | 100.00               |            |
| Purovskoye Severnoye         923.65           Pyakyakhinskoye         1,494.14           Ravninnoye         66.25         37.39           Russkorechenskoye         123.04         69.44           Russkoye         2,702.07         402.61         2,804.31           Russkoye         2,702.07         402.61         2,804.31           Russkoye         16,121.27         Salekaptskoye         16,121.27           Salekaptskoye         189.29         106.84         Sede-Kharampur           Stakhanovskoye         661.27         243.96         Stakhanovskoye           Stakhanovskoye         95.64         17.79         Tapskoye           Suzunskoye         109.22         60.90         Tazovskoye Vostochnoye           Tazovskoye Vostochnoye         2,603.30         Termokarstovoye         11.00           Terel'skoy         869.32         11.01         105.18         394.35         15.40           Ust Kharampur         52.60         28.82         28.21         28.21         28.21         28.21           Verkhne Chasel'kaskoye         13.04         10.23         4.49         4.49           Yatovokoye Severnoye         7.55         4.14         241.86         4.49  |                            | 200.20    | 140.00              | 211 90               |            |
| Pyakyakhinskoye       1,494.14         Ravninnoye       66.25       37.39         Russkorechenskoye       123.04       69.44         Russkoye       2,702.07       402.61       2,804.31         Russkoye Yuzhnoye       16,121.27         Salekaptskoye       189.29       106.84         Srede-Kharampur       7.55       4.14         Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       95.64       17.79         Tapskoye       109.22       60.90         Tazskoye Vostochnoye       2,603.30       2,603.30         Terrel'skoy       869.32       918.46       45.00         Tolkinskoye       211.21       105.18       394.35       15.40         Ust Chaselskoye       13.04       10.23       Verkhne-Kolikyeganskoye       4.896.64       3,040.00       3,615.02       4.49         Yaroyakhaskoye       7,55       4.14       44.18       44.99  |                            |           |                     |                      |            |
| Ravninnoye       66.25       37.39         Russkorechenskoye       123.04       69.44         Russkoye       2,702.07       402.61       2,804.31         Russkoye Yuzhnoye       16,121.27         Salekaptskoye       189.29       106.84         Srede-Kharampur       7.55       4.14         Stakhanovskoye       661.27       243.96         Stakhanovskoye       661.27       243.96         Stakhanovskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79       79         Tapskoye       109.22       60.90       60.30         Tazovskoye Vostochnoye       2,603.30       2,603.30       100         Terrel'skoy       2.00       1.00       100       100         Terrel'skoy       918.46       45.00       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.20       24.49         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Varturskoye Severnoye       7.55       4.14       241.86         Yarovoye       241.86       7.271.16  |                            |           |                     |                      |            |
| Russkorechenskoye         123.04         69.44           Russkoye         2,702.07         402.61         2,804.31           Russkoye Yuzhnoye         16,121.27           Salekaptskoye         189.29         106.84           Srede-Kharampur         7.55         4.14           Stakhanovskoye         661.27         243.96           Stakhanovskoye Severnoye         42.13         23.78           Suzunskoye         95.64         17.79           Tagul'skoye         109.22         60.90           Tazskoye         462.50         363.06         4,278.68         50.49           Tazovskoye Vostochnoye         2,603.30         2,603.30         2,603.30           Tetri Skoy         869.32         100         2,603.30         2,603.30           Termokarstovoye         918.46         45.00         364.13         8.74           Ust Chaselskoye         211.21         105.18         394.35         15.40           Ust Kharampur         52.60         28.82         28.22         24.49           Verkhne Chasel'kaskoye         13.04         10.23         4.49           Varovoye         7.55         4.14         241.86           Yaroyakhaskoye         7.5  |                            | 66.25     | 37 30               | 1,434.14             |            |
| Russkoye       2,702.07       402.61       2,804.31         Russkoye Yuzhnoye       16,121.27         Salekaptskoye       189.29       106.84         Srede-Kharampur       7.55       4.14         Stakhanovskoye       661.27       243.96         Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79       79         Taguskoye       109.22       60.90       60.90         Tazskoye       109.22       60.90       2,603.30         Tekto-Kharampur       2.00       1.00       869.32         Termokarstovoye       918.46       45.00         Tolkinskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       2       2         Verkhne-Kolikyeganskoye       13.04       10.23       4.49         Yakhurskoye Severnoye       7.55       4.14       4.49         Yarovoye       7.55       4.14       4.49  |                            |           |                     |                      |            |
| Russkoye Yuzhnoye         16,121.27           Salekaptskoye         189.29         106.84           Srede-Kharampur         7.55         4.14           Stakhanovskoye         661.27         243.96           Stakhanovskoye Severnoye         42.13         23.78           Suzunskoye         389.37         193.90         2,424.70           Tagul'skoye         95.64         17.79         7           Tapskoye         109.22         60.90         60.90           Tazskoye         462.50         363.06         4,278.68         50.49           Tazovskoye Vostochnoye         2,603.30         2,603.30         164.13         8.74           Terel'skoy         869.32         918.46         45.00         164.13         8.74           Ust Chaselskoye         211.21         105.18         394.35         15.40           Ust Kharampur         52.60         28.82         2         2           Verkhne-Kolikyeganskoye         4,896.64         3,040.00         3,615.02         4.49           Yatovoye         7,55         4.14         241.86         241.86  |                            |           |                     | 2 904 21             |            |
| Salekaptskoye       189.29       106.84         Srede-Kharampur       7.55       4.14         Stakhanovskoye       661.27       243.96         Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79         Tapskoye       109.22       60.90  |                            | 2,702.07  | 402.01              |                      |            |
| Srede-Kharampur         7.55         4.14           Stakhanovskoye         661.27         243.96           Stakhanovskoye Severnoye         42.13         23.78           Suzunskoye         389.37         193.90         2,424.70           Tagul'skoye         95.64         17.79         193.90         2,424.70           Tagul'skoye         95.64         17.79         193.90         2,424.70           Tagskoye         109.22         60.90         109.22         60.90           Tazskoye         462.50         363.06         4,278.68         50.49           Tazovskoye Vostochnoye         2,603.30         2,603.30         100           Terel'skoy         869.32         100         100         100           Terel'skoy         869.32         918.46         45.00         364.13         8.74           Ust Chaselskoye         211.21         105.18         394.35         15.40         15.40           Ust Kharampur         52.60         28.82         15.40         15.40         10.23           Verkhne Chasel'kaskoye         13.04         10.23         10.43         10.23         14.49           Yarovoye         7.55         4.14         241.86 <t< td=""><td></td><td>400.00</td><td>400.04</td><td>10,121.27</td><td></td></t<>   |                            | 400.00    | 400.04              | 10,121.27            |            |
| Stakhanovskoye       661.27       243.96         Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79         Tapskoye       109.22       60.90         Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       1.00         Terel'skoy       869.32       109.22       1.00         Terel'skoy       918.46       45.00       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yatovoye       7.55       4.14       441.86         Yarovoye       241.86       7,271.16       254.49   | 1 2                        |           |                     |                      |            |
| Stakhanovskoye Severnoye       42.13       23.78         Suzunskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79       179         Tapskoye       109.22       60.90       60.90         Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       1.00       1.00         Terel'skoy       869.32       918.46       45.00         Tolkinskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhurskoye Severnoye       7.55       4.14       241.86         Yarovoye       241.86       7,271.16       254.49   | •                          |           |                     |                      |            |
| Suzunskoye       389.37       193.90       2,424.70         Tagul'skoye       95.64       17.79         Tapskoye       109.22       60.90         Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       1.00         Terel'skoy       869.32       109.22       364.13       8.74         Tolkinskoye       211.21       105.18       394.35       15.40         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhturskoye Severnoye       7.55       4.14       44.99         Yarovoye       241.86       7,271.16       254.49   | -                          |           |                     |                      |            |
| Tagul'skoye       95.64       17.79         Tapskoye       109.22       60.90         Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       1.00         Terel'skoy       869.32       11.01       105.18       394.35       15.40         Tolkinskoye       211.21       105.18       394.35       15.40       15.40         Ust Chaselskoye       213.04       10.23       15.40       15.40       10.23       15.40         Verkhne Chasel'kaskoye       13.04       10.23       241.86       4.49       14.49         Yarovoye       241.86       241.86       241.86       241.49       14.49  | • •                        |           |                     | o 404 <del>-</del> 0 |            |
| Tapskoye       109.22       60.90         Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       1.00       1.00         Terel'skoy       869.32       918.46       45.00         Tolkinskoye       918.46       45.00       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       28.82         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhturskoye Severnoye       7.55       4.14       241.86         Yarovoye       241.86       7,271.16       254.49   |                            |           |                     | 2,424.70             |            |
| Tazskoye       462.50       363.06       4,278.68       50.49         Tazovskoye Vostochnoye       2,603.30       2,603.30         Tekto-Kharampur       2.00       1.00       869.32         Terrel'skoy       869.32       918.46       45.00         Tolkinskoye       364.13       8.74       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       4,896.64       3,040.00       3,615.02       4.49         Yakhturskoye Severnoye       7.55       4.14       241.86       241.86         Yarovoye       241.86       7,271.16       254.49   | • •                        |           |                     |                      |            |
| Tazovskoye Vostochnoye       2,603.30         Tekto-Kharampur       2.00       1.00         Terel'skoy       869.32         Termokarstovoye       918.46       45.00         Tolkinskoye       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhturskoye Severnoye       7.55       4.14       241.86         Yarovoye       241.86       7,271.16       254.49   |                            |           |                     |                      |            |
| Tekto-Kharampur       2.00       1.00         Terel'skoy       869.32         Termokarstovoye       918.46       45.00         Tolkinskoye       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhturskoye Severnoye       7.55       4.14       241.86         Yarovoye       241.86       7,271.16       254.49   |                            | 462.50    | 363.06              |                      | 50.49      |
| Terel'skoy       869.32         Termokarstovoye       918.46       45.00         Tolkinskoye       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86         Verkhne Chasel'kaskoye       13.04       10.23       4.49         Yakhturskoye Severnoye       7.55       4.14       44.49         Yarovoye       241.86       254.49   |                            |           |                     | 2,603.30             |            |
| Termokarstovoye       918.46       45.00         Tolkinskoye       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       241.86       241.86         Verkhne Chasel'kaskoye       13.04       10.23       241.86       241.86         Yarovoye       241.86       7,271.16       254.49   |                            | 2.00      | 1.00                |                      |            |
| Tolkinskoye       364.13       8.74         Ust Chaselskoye       211.21       105.18       394.35       15.40         Ust Kharampur       52.60       28.82       28.82       10.23       10.23         Verkhne Chasel'kaskoye       13.04       10.23       4.49       10.23       10.2  |                            |           |                     |                      |            |
| Ust Chaselskoye         211.21         105.18         394.35         15.40           Ust Kharampur         52.60         28.82         10.23   | Termokarstovoye            |           |                     |                      |            |
| Ust Kharampur         52.60         28.82           Verkhne Chasel'kaskoye         13.04         10.23           Verkhne-Kolikyeganskoye         4,896.64         3,040.00         3,615.02         4.49           Yakhturskoye Severnoye         7.55         4.14         241.86           Yaroyakhaskoye         7,271.16         254.49  |                            |           |                     |                      |            |
| Verkhne Chasel'kaskoye         13.04         10.23           Verkhne-Kolikyeganskoye         4,896.64         3,040.00         3,615.02         4.49           Yakhturskoye Severnoye         7.55         4.14         241.86           Yaroyakhaskoye         7,271.16         254.49  | Ust Chaselskoye            | 211.21    | 105.18              | 394.35               | 15.40      |
| Verkhne-Kolikyeganskoye         4,896.64         3,040.00         3,615.02         4.49           Yakhturskoye Severnoye         7.55         4.14         241.86           Yaroyakhaskoye         7,271.16         254.49   | Ust Kharampur              | 52.60     | 28.82               |                      |            |
| Verkhne-Kolikyeganskoye         4,896.64         3,040.00         3,615.02         4.49           Yakhturskoye Severnoye         7.55         4.14         241.86           Yaroyakhaskoye         7,271.16         254.49   | Verkhne Chasel'kaskoye     | 13.04     | 10.23               |                      |            |
| Yakhturskoye Severnoye7.554.14Yarovoye241.86Yaroyakhaskoye7,271.16254.49   |                            | 4,896.64  | 3,040.00            | 3,615.02             | 4.49       |
| Yarovoye         241.86           Yaroyakhaskoye         7,271.16         254.49   |                            |           |                     |                      |            |
| Yaroyakhaskoye 7,271.16 254.49   |                            |           |                     | 241.86               |            |
|  |                            |           |                     |                      | 254.49     |
|  | Yesetinskoye               | 7.55      | 4.19                | .,                   |            |

Table 10D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Pur-Taz Region, West Siberian Basin (Sorted Alphabetically by Field Name)

| Table 10D. | Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Pur-Taz |  |
|------------|--|--|
| Rei        | ion West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)    |  |

| Field Name             | Ultimate<br>Crude Oil<br>(million<br>barrels) | Associated-<br>Disolved Gas<br>(billion (billion<br>cubic feet) | Nonassociated<br>Gas<br>(million<br>cubic feet) | Condensate<br>barrels) |
|------------------------|---|---|---|------------------------|
| Yesetinskoye Severnoye | 7.55  | 4.14  |   |                        |
| Yutyrmalskoye          |   |   | 311.54  | 3.43                   |
| Zapolyarnoye           |   |   | 78,082.95                                       | 650.24                 |
| Zapolyarnoye Zapadnoye |   |   | 871.55  |                        |
| Total                  | 11,972.80                                     | 5,907.93  | 152,277.89                                      | 1,057.23               |

| North East                           |           |           |           |           |         |  |  |
|--------------------------------------|-----------|-----------|-----------|-----------|---------|--|--|
|                                      | Latitude  | Latitude  | Discovery | Producing | Primary |  |  |
| Field Name                           | (degrees) | (degrees) | Date      | Status    | Product |  |  |
|                                      |           |           |           |           |         |  |  |
| Aprel'skoye                          | 62.38     | 68.63     | 1982      | SI        | Oil     |  |  |
| Bol'shoye                            | 62.90     | 67.27     | 1984      | SI        | Oil     |  |  |
| Dekabr'skoye                         | 62.02     | 70.25     | 1969      | SI        | Oil     |  |  |
| Erginskoye                           | 60.70     | 69.29     | 1983      | SI        | Oil     |  |  |
| Erginskoye Vostochnoye               | 60.69     | 69.82     | 1988      | SI        | Oil     |  |  |
| Frolovskoye Vostochnoye              | 60.90     | 69.81     | 1987      | SI        | Oil     |  |  |
| Galleyskoye                          | 61.77     | 66.27     |           |           | Oil     |  |  |
| Galyanovskoye                        | 61.50     | 68.29     | 1982      | SI        | Oil     |  |  |
| Gorshkovskove Zapadnove              | 61.62     | 70.19     | 1988      | SI        | Oil     |  |  |
| Ingaskoye (Inginsk)(Krasnoleninskoye |           | 66.57     | 1975      | SI        | Oil     |  |  |
| lt'yakhskoye                         | 62.30     | 68.97     | 1992      | SI        | Oil     |  |  |
| Krasnoleninskoye                     | 61.65     | 67.32     | 1962      | PS        | Oil     |  |  |
| Karempostskove                       | 62.18     | 66.18     | 1986      | SI        | Oil     |  |  |
| Kazymskoye Severnoye                 | 63.98     | 67.41     | 1965      | SI        | Gas     |  |  |
| Khanty-Mansiyskoye (Tsentralnoye)    | 61.04     | 69.21     | 1986      | SI        | Oil     |  |  |
| Kislorskoye                          | 63.65     | 66.55     | 1993      | SI        | Oil     |  |  |
| Krasnoleninskoye                     | 61.70     | 66.77     | 1962      | PS        | Oil     |  |  |
| Lebyazhyeskoye                       | 61.98     | 66.91     | 1981      | SI        | Oil     |  |  |
| Lorbinskoye                          | 61.52     | 67.83     | 1966      | PS        | Oil     |  |  |
| Lykhminskoye                         | 63.25     | 65.82     | 1982      | SI        | Oil     |  |  |
|                                      | 03.25     | 05.62     | 1902      | 31        | Oil     |  |  |
| Malopriobskoye                       | 60.40     | 67.00     | 1000      | CI        |         |  |  |
| Nazymskoye                           | 62.48     | 67.89     | 1988      | SI        | Oil     |  |  |
| Novoyendyrskoye                      | 61.85     | 67.87     | 1977      | SI        | Oil     |  |  |
| Ol'khovskoye (Tyumen)                | 63.20     | 67.86     | 1986      | SI        | Oil     |  |  |
| Ontokhskoye                          | 60.81     | 66.15     | 1989      | SI        | Oil     |  |  |
| Palyanovskoye                        | 61.75     | 65.92     | 1972      | PP        | Oil     |  |  |
| Paytykhskoye                         | 61.26     | 65.37     | 1987      | SI        | Oil     |  |  |
| Peschanoye                           | 62.23     | 65.95     | 1987      | SI        | Oil     |  |  |
| Pottymskoye                          | 61.22     | 66.99     | 1988      | SI        | Oil     |  |  |
| Priobskoye                           | 61.13     | 70.46     | 1982      | PS        | Oil     |  |  |
| Priobskoye Severnoye                 | 61.56     | 70.50     | 1988      | SI        | Oil     |  |  |
| Priobskoye Zapadnoye                 | 61.59     | 70.37     | 1988      | SI        | Oil     |  |  |
| Prirakhtovskoye                      | 57.36     | 72.21     | 1975      | SI        | Oil     |  |  |
| Rogozhnikovskoye                     | 62.21     | 67.29     | 1988      | SI        | Oil     |  |  |
| Rogozhnikovskoye Severnoye           | 62.30     | 67.20     | 1990      | SI        | Oil     |  |  |
| Rogozhnikovskoye Yuzhnoye            | 62.10     | 67.50     | 1990      | SI        | Oil     |  |  |
| Rogozhnikovskoye Zapadnoye           | 62.20     | 67.20     |           | SI        | Oil     |  |  |
| Seliyarovskoye                       | 61.50     | 70.17     |           | SI        | Oil     |  |  |
| Seliyarovskoye Severnoye             | 61.81     | 69.49     | 1988      | SI        | Oil     |  |  |
| Sheburskoye Vostochnoye              | 60.32     | 66.98     | 1990      | SI        | Oil     |  |  |
| Sosnovomysskoye (Krasnoleninskoye)   | 62.06     | 66.41     | 1975      | SI        | Oil     |  |  |
| Sote-Yuganskoye Severnoye            | 62.30     | 64.50     | 1963      | PP        | Gas     |  |  |
| Sote-Yuganskove Yuzhnove             | 62.19     | 64.55     | 1964      | PP        | Gas     |  |  |
| Sote-Yuganskoye                      | 62.25     | 64.50     | 1963      | SI        | Gas     |  |  |
| Srednenazymskoye                     | 61.95     | 68.34     | 1978      | SI        | Oil     |  |  |
| Sredniy Lykhmskoye                   | 63.51     | 66.44     | 1982      | SI        | Oil     |  |  |
| Srednenazymskoye                     | 61.98     | 68.35     | 1978      | SI        | Oil     |  |  |
| Syn'yeganskoye                       | 61.65     | 69.45     | 1984      | SI        | Oil     |  |  |
| Talinskoye                           | 62.00     | 66.55     |           | SI        | Oil     |  |  |
| Talinskoye Zapadnoye                 | 62.00     | 66.50     | 1992      | SI        | Oil     |  |  |
| Taytymskoye                          | 57.96     | 73.45     | 1992      | SI        | Oil     |  |  |
| raytymologo                          | 01.00     | 10.40     | 1070      | 0         |         |  |  |
|                                      |           |           |           |           |         |  |  |

# Table 11D. Basic Field Information, Frolov Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                                   | North     | East      |           |           |         |
|-----------------------------------|-----------|-----------|-----------|-----------|---------|
|                                   | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                        | (degrees) | (degrees) | Date      | Status    | Product |
|                                   |           |           |           |           |         |
| Tevrizskoye                       | 57.55     | 72.29     | 1971      | SI        | Gas     |
| Tevrizskoye Vostochnoye           | 57.52     | 72.30     |           | SI        | Gas     |
| Tortasinskoye                     | 62.19     | 69.59     | 1989      | SI        | Oil     |
| Tsentralnoye (Khanty-Mansiyskoye) | 62.62     | 67.55     | 1987      | SI        | Oil     |
| Tugrovskoye Severnoye             | 61.88     | 64.75     | 1992      | SI        | Oil     |
| Tugrovskoye Vostochnoye           | 61.70     | 64.80     | 1989      | SI        | Gas     |
| Tugrovskoye Zapadnoye             |           |           |           | SI        | Oil     |
| Tumannoye                         | 61.85     | 70.38     | 1974      | SI        | Oil     |
| Tunkorskove                       | 62.36     | 68.30     | 1989      | SI        | Oil     |
| Verkhne-Lyaminskoye (Upper Lyama) | 62.15     | 70.54     | 1970      | SI        | Oil     |
| Verkhniy Kazymskoye               |           |           |           | SI        | Oil     |
| Yelizarovskoye(Krasnoleninskoye)  | 61.48     | 67.77     | 1963      | SI        | Oil     |
| Yemyegovskove(Krasnoleninskove)   | 61.75     | 66.42     | 1971      | DV        | Oil     |
| Yendryskoye                       | 59.97     | 69.28     | 1992      | SI        | Oil     |
| Zaozernove                        | 59.97     | 68.10     | 1987      | SI        | Oil     |

#### Table 11D. Basic Field Information, Frolov Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

| Region, West Siberian Ba              | asin (Sorted /    | Alphabetically by Fi |               |            |
|---------------------------------------|-------------------|----------------------|---------------|------------|
|                                       | Ultimate          | Associated-          | Nonassociated |            |
|                                       | Crude Oil         | <b>Disolved Gas</b>  | Gas           | Condensate |
|                                       | (million          | (billion (billion    | (million      |            |
| Field Name                            | barrels)          | cubic feet)          | cubic feet)   | barrels)   |
|                                       |                   |                      |               |            |
| Aprel'skoye                           | 51.92             | 14.07                |               |            |
| Bol'shoye                             | 131.39            | 65.35                |               |            |
| Dekabr'skoye                          | 4.17              | 1.70                 |               |            |
| Erginskoye                            | 94.61             | 14.76                |               |            |
| Erginskoye Vostochnoye                | 255.96            | 73.79                |               |            |
| Frolovskoye Vostochnoye               | 108.67            | 33.43                |               |            |
| Galleyskoye                           | 3.77              | 1.27                 |               |            |
| Galyanovskoye                         | 439.81            | 183.40               |               |            |
| Gorshkovskoye Zapadnoye               | 70.03             | 21.64                |               |            |
| Ingaskoye (Inginsk)(Krasnoleninskoye) |                   | 6.72                 |               |            |
| lt'yakhskoye                          | 9.11              | 3.36                 |               |            |
| Kamennoye(Krasnoleninskoye)           | 58.88             | 14.80                |               |            |
| Karempostskoye                        | 8.53              | 4.11                 | 000 10        |            |
| Kazymskoye Severnoye                  | 171 50            |                      | 292.43        | 3.22       |
| Khanty-Mansiyskoye (Tsentralnoye)     | 171.59            | 39.06                |               |            |
| Kislorskoye                           | 16.21             | 5.45                 |               |            |
| Krasnoleninskoye                      |                   |                      | 004 70        | 7.04       |
| Lebyazhyeskoye                        |                   |                      | 691.73        | 7.61       |
| Lorbinskoye                           | 8.11              | 1.15                 |               |            |
| Lykhminskoye                          | 4.09              | 0.92                 |               |            |
| Malopriobskoye                        | 32.42             | 10.89                |               |            |
| Nazymskoye                            | 80.11             | 26.92                |               |            |
| Novoyendyrskoye                       | 160.70            | 59.30                |               |            |
| Ol'khovskoye (Tyumen)                 | 427.54            | 50.02                |               |            |
| Ontokhskoye                           | 344.37            | 135.68               |               |            |
| Palyanovskoye                         | 280.53            | 42.63                |               |            |
| Paytykhskoye                          | 86.52             | 29.07                |               |            |
| Peschanoye                            | 13.19             | 3.50                 |               |            |
| Pottymskoye                           | 26.84             | 3.25                 |               |            |
| Priobskoye                            | 4,219.82          | 1,202.65             |               |            |
| Priobskoye Severnoye                  | 6.81              | 2.29                 |               |            |
| Priobskoye Zapadnoye                  | 1.30              | 0.40                 |               |            |
| Prirakhtovskoye                       | 5.03              | 1.86                 |               |            |
| Rogozhnikovskove                      | 1,388.21<br>32.42 | 246.20               |               |            |
| Rogozhnikovskoye Severnoye            |                   | 10.89                |               |            |
| Rogozhnikovskoye Yuzhnoye             | 14.42             | 4.84                 |               |            |
| Rogozhnikovskoye Zapadnoye            | 32.42             | 10.89                |               |            |
| Seliyarovskoye                        | 12.97             | 10.89                |               |            |
| Seliyarovskoye Severnoye              | 48.98             | 8.82                 |               |            |
| Sheburskoye Vostochnoye               | 12.04             | 1.69                 |               |            |
| Sosnovomysskoye(Krasnoleninskoye)     | 140.33            | 51.78                | 10 50         | 0.10       |
| Sote-Yugan Severnoye                  |                   |                      | 10.52         | 0.12       |
| Sote-Yugan Yuzhnoye                   |                   |                      | 91.37         | 1.01       |
| Sote-Yuganskove                       | 126 50            | 06.30                |               |            |
| Srednenazymskoye                      | 136.59            | 96.32                |               |            |
| Sredniy Lykhmskoye                    | 72.10             | 24.22                |               |            |
| Srednenazymskoye                      | EA 46             | 01 07                |               |            |
| Syn'yeganskoye                        | 54.46             | 21.27                |               |            |
| Talinskoye                            | 299.39            | 110.47               |               |            |
| Talinskoye Zapadnoye                  | 32.42             | 10.89                |               |            |

## Table 12D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Frolov Region, West Siberian Basin (Sorted Alphabetically by Field Name)

| Region, West Siberian E           | Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued) |   |   |                        |  |
|-----------------------------------|---|---|---|------------------------|--|
| Field Name                        | Ultimate<br>Crude Oil<br>(million<br>barrels)                                 | Associated-<br>Disolved Gas<br>(billion (billion<br>cubic feet) | Nonassociated<br>Gas<br>(million<br>cubic feet) | Condensate<br>barrels) |  |
|                                   |   |   |   |                        |  |
| Taytymskoye                       | 23.99   | 8.85  |   |                        |  |
| Tevrizskoye                       |   |   | 124.86  | 2.25                   |  |
| Tevrizskoye Vostochnoye           |   |   | 75.19   | 1.35                   |  |
| Tortasinskoye                     | 66.90   | 18.06   |   |                        |  |
| Tsentralnove (Khanty-Mansiyskoye) | 37.32   | 18.73   |   |                        |  |
| Tugrovskove Severnove             | 59.82   | 22.07   |   |                        |  |
| Tugrovskove Vostochnove           | 78.70   | 26.44   |   |                        |  |
| Tugrovskove Zapadnove             | 32.42   | 10.89   |   |                        |  |
| Tumannoye                         | 12.06   | 3.68  |   |                        |  |
| Tunkorskoye                       | 7.53  | 2.53  |   |                        |  |
| Verkhne-Lyaminskoye (Upper Lyama) | 57.59   | 29.84   |   |                        |  |
| Verkhniy Kazymskoye               | 32.42   | 10.89   |   |                        |  |
| Yelizarovskoye (Krasnoleninskoye) | 39.83   | 10.32   |   |                        |  |
| Yemyegovskoye (Krasnoleninskoye)  | 44.33   | 13.87   |   |                        |  |
| Yendryskoye                       | 211.45  | 78.03   |   |                        |  |
| Zaozernoye                        | 383.48  | 127.70  |   |                        |  |
| TOTAL                             | 10,504.83   | 3,044.55  | 1,286.09  | 15.55                  |  |

Table 12D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Frolov

| (Sorted Alphabetically by Fie                    |                | <b>–</b> ·     |              |            |          |
|--|----------------|----------------|--------------|------------|----------|
|  | North          | East           |              | Due du sta | Delesson |
|  | Latitude       | Latitude       | Discovery    | Producing  | Primary  |
| Field Name                                       | (degrees)      | (degrees)      | Date         | Status     | Product  |
| Alyasovskoye Severnoye                           | 64.09          | 65.49          | 1956         | SI         | Gas      |
| Alyasovskoje Yuzhnoje                            | 64.06          | 65.44          | 1956         | SI         | Gas      |
| Berezovskoye (Tyumen)                            | 63.94          | 65.04          | 1953         | PP         | Gas      |
| Chancharskoye Severnoye                          | 60.61          | 64.16          | 1000         | SI         | Oil      |
| Chuelskoye                                       | 63.86          | 65.93          | 1958         | SI         | Gas      |
| Danilovskoye                                     | 60.93          | 64.11          | 1966         | PS         | Oil      |
| Danilovskoye Severnoye                           | 61.07          | 63.95          | 1983         | PS         | Oil      |
| Danilovskoje Vostochnoje                         | 61.00          | 64.00          | 1983         | PP         | Oil      |
| Danilovskoje Zapadnoje                           | 61.00          | 64.00          | 1966         | PP         | Oil      |
| Deminskoye                                       | 64.00          | 65.00          | 1955         | SI         | Gas      |
| Filippovskoye                                    | 60.91          | 64.83          | 1967         | PS         | Oil      |
| Gornoye (Tyumen)                                 | 62.40          | 63.50          | 1962         | DV         | Gas      |
| Igrimskoye Severnoye                             | 63.13          | 64.44          | 1902         | ABND       | Gas      |
| Igrimskoye Yuzhnoye                              | 63.09          | 64.34          | 1959         | PP         | Gas      |
| Karabashskoye(Leninskoye)                        | 58.64          | 65.92          | 1961         | SI         | Gas      |
| Kartop'ya  | 61.10          | 65.31          | 1964         | SI         | Oil      |
| Kartopya Zapadnoye                               | 60.13          | 65.28          | 1967         | SI         | Oil      |
| Kartopya-Okhanskoye                              | 61.05          | 65.55          | 1967         | PS         | Oil      |
|  | 60.78          | 65.39          | 1907         | SI         | Oil      |
| Kayumovskoye<br>Khulturskoye                     | 60.78<br>60.48 | 64.10          | 1971         | SI         | Oil      |
| Lazarevskoye                                     | 61.06          | 64.93          | 1984         | PS         | Oil      |
|  | 61.00          | 63.83          | 1964         | SI         | Oil      |
| Lem'inskoye Vostochnoye<br>Lem'inskoye Zapadnoye | 61.00          | 63.66          | 1964         | SI         | Oil      |
|  | 60.88          | 63.91          | 1965         | DV         | Oil      |
| Leminskove (Lemya)                               | 60.88<br>58.67 | 66.33          | 1964         | PP         | Gas      |
| Leninskoye(Karabashskoye)                        | 60.90          | 63.55          | 1904         | UKN        | Oil      |
| Lopukhovskoye                                    | 61.30          | 65.19          | 1982         | PS         | Oil      |
| Lovinskove                                       | 61.25          | 65.00          | 1982         | SI         | Oil      |
| Lovinskoye Zapadnoye<br>Malo-Tolumskoye          | 60.51          | 65.29          | 1962         | PP         | Oil      |
|  | 00.51          | 05.29          | 1978         | SI         | Oil      |
| Malodanilovskoye                                 | 61.36          | 65.75          | 1988         | SI         | Oil      |
| Malopotanayskoye<br>Mortym'yaskoye Severnoye     | 60.40          | 64.80          | 1969         | PP         | Oil      |
|  | 60.40<br>60.40 | 64.80<br>64.80 | 1977         | PP         | Oil      |
| Mortym'yaskoye Yuzhnoye                          | 60.40<br>60.40 |                | 1962         | PP         | Oil      |
| Mortym'yaskoye Zapadnoye 1                       |                | 64.80          |              |            |          |
| Mortym'yaskoye Zapadnoye 2                       | 60.40          | 64.80          | 1962<br>1962 | PP<br>PP   | Oil      |
| Mortym'yaskoye Zapadnoye 3                       | 60.40          | 64.80          |              |            | Oil      |
| Mulym'yaskoye                                    | 60.24          | 64.42          | 1960         | PS         | Oil      |
| Mulymyaskoye Srednyaya                           | 60.62          | 64.77          | 1963         | SI         | Oil      |
| Mulymyaskoye Zapadnaya                           | 60.24          | 64.42          | 1960         | PP         | Oil      |
| Nulin-Turskoye                                   | 62.95          | 64.22          | 1961         | SI         | Gas      |
|  | 61.03          | 65.68          | 1967         | SI         | Oil      |
| Ozernoye (Vostochnoye & Zapadnoye)               |                | 63.50          | 1963         | DV         | Gas      |
| Paul-Turskoye                                    | 63.09          | 64.16          | 1960         | SI         | Gas      |
| Pokhromskoye                                     | 64.08          | 65.83          | 1960         | PP         | Gas      |
| Potanayskoye                                     | 61.17          | 65.62          | 1965         | SI         | Oil      |
| Potanayskoye Severnoye                           | 61.22          | 65.60          | 1965         | SI         | Oil      |
| Potanayskoye Vostochnoye                         | 61.17          | 65.62          | 1990         | SI         | Oil      |
| Potanayskoye Yuzhnoye (Potanaysk                 | 61.13          | 65.68          | 1966         | SI         | Oil      |
| Punginskoye                                      | 62.76          | 64.44          | 1961         | PP         | Gas      |
| Semividovskoye Vostochnoye                       | 60.70          | 65.19          | 1967         | PS         | Oil      |
| Shukhtungortskoye Vostochnny                     | 62.32          | 64.15          | 1963         | DV         | Gas      |

# Table 13D. Basic Field Information, Urals Region, West Siberian Basin (Sorted Alphabetically by Field Name)

| (Sorted Alphabetically b             | North     | East      |           |           |         |
|--------------------------------------|-----------|-----------|-----------|-----------|---------|
|                                      | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                           | (degrees) | (degrees) | Date      | Status    | Product |
|                                      |           | · · · ·   |           |           |         |
| Shukhtungortskoye Zapadnoye          | 62.45     | 64.00     | 1962      | DV        | Gas     |
| Shukhtungortskoye                    | 62.35     | 63.84     | 1962      | SI        | Gas     |
| Shushminskoye                        | 61.22     | 64.14     | 1984      | PS        | Oil     |
| Shushminskoye Severnoye              | 61.25     | 64.32     | 1992      | SI        | Oil     |
| Shushminskoye Yuzhnoye               | 61.22     | 64.14     |           | SI        | Oil     |
| Slavinskoye                          | 60.75     | 64.50     |           | SI        | Oil     |
| Srednekondinskoye                    | 60.88     | 63.83     | 1982      | SI        | Oil     |
| Sredneteterevskoye                   | 60.70     | 64.40     | 1970      | PP        | Oil     |
| Surprinskoye Vostochnoye             | 61.25     | 64.28     | 1986      | Si        | Oil     |
| Symor'yakhskoye                      | 61.27     | 64.46     | 1988      | SI        | Oil     |
| Syskonsyninskoye                     | 62.90     | 63.64     | 1961      | SI        | Gas     |
| Syskonsynyaskoye Vostochnoye         | 62.96     | 63.92     | 1961      | PP        | Gas     |
| Syskonsynyaskoye Yuzhnoye            | 62.88     | 63.70     | 1963      | DV        | Gas     |
| Syskonsynyaskoye Zapadnoye           | 62.93     | 63.69     | 1961      | DV        | Gas     |
| Tal'nikovoye                         | 60.97     | 63.66     | 1989      | SI        | Oil     |
| Teterevo-Mortyminskoye               | 60.41     | 64.63     | 1961      | PS        | Oil     |
| Teterevskoye Severnoye(Mortym)       | 60.41     | 64.97     | 1968      | PP        | Oil     |
| Teterevskoye Vostochnoye(Mortymin)   |           | 64.97     | 1964      | PS        | Oil     |
| Teterevskoye Yuzhnoye(Mortymin)      | 60.33     | 64.83     | 1963      | PS        | Oil     |
| Tolumskoye Vostochnoye               | 60.56     | 65.29     | 1967      | PP        | Oil     |
| Tolum-Semividovskoye                 | 60.75     | 65.33     | 1966      | PS        | Oil     |
| Tolumskoye Servernoye                | 60.75     | 65.33     | 1966      | PS        | Oil     |
| Tolumskoye Yuzhnoye                  | 60.75     | 65.33     | 1966      | PS        | Gas     |
| Trekhozernoye                        | 60.21     | 64.70     | 1960      | PS        | Oil     |
| Trekhozernoye Severnoye              | 60.21     | 64.70     | 1969      | PS        | Oil     |
| Tugiyanskoye                         | 63.62     | 65.80     | 1960      | SI        | Gas     |
| Ubinskoye                            | 60.74     | 64.87     | 1964      | PP        | Oil     |
| Ubinskoye Lesser                     | 60.82     | 64.83     | 1967      | PP        | Oil     |
| Ubinskoye Servenoye                  | 60.82     | 64.83     | 1964      | PP        | Oil     |
| Ubinskoye Yuzhnoye                   | 60.82     | 64.83     | 1965      | PP        | Oil     |
| Ubinskoye Zapadnoye                  | 60.82     | 64.83     | 1966      | PP        | Oil     |
| Uzbekskoye                           | 60.27     | 64.22     | 1988      | PP        | Oil     |
| Uzbekskoye Severnoye                 | 60.27     | 64.22     | 1989      | PP        | Oil     |
| Uzbekskoye-Sredne-Chanchar           | 60.53     | 64.22     | 1988      | PS        | Oil     |
| Uzbelskoye Yuzhnoye                  | 60.27     | 64.22     | 1988      | SI        | Oil     |
| Verkhnelem'inskoye                   | 61.09     | 64.13     | 1966      | PS        | Oil     |
| Verkhnesuprinskoye                   | 61.25     | 64.30     | 1986      | SI        | Oil     |
|                                      | 61 10     | 63.88     | 1963      | SI        | Gas     |
| Verkhnyaya Kondaskoye<br>Yakhlaskoye | 61.40     | 65.43     | 1903      | PS        | Oil     |

## Table 13D. Basic Field Information, Urals Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned, UKN=Unknown. Alternate field names or combined field names in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

| Crude Oil<br>(million)         Disolved Gas<br>(billion (billion)         Condensa<br>(million)         Condensa<br>(million)           Field Name         barrels)         cubic feet)         barrels)           Alyasovskoye Severnoye         36.18         0.44           Alyasovskoye Yuzhnoye         36.18         0.44           Alyasovskoye Yuzhnoye         336.47         3.70           Chancharskoye Severnoye         12.51         4.35           Chancharskoye Vastochnoye         12.51         4.35           Danilovskoye Severnoye         12.51         4.35           Danilovskoye Vastochnoye         12.51         4.35           Danilovskoye Vastochnoye         12.51         4.35           Danilovskoye Severnoye         12.51         4.35           Gornoye (Tyumen)         89.36         0.98           Igrimskoye Severnoye         12.32.0         1.36           Garabashskoye (Leiniskoye)         20.42         0.22           Kartopya Zapadnoye         0.40         0.09           Kartopya Zapadnoye         1.74         4.08           Lem'inskoye Vostochnoye         11.74         4.08           Lem'inskoye Zapadnoye         1.81         0.63           Lovinskoye Zapadnoye         1.81                                 | Region, West Siberian Ba   | Ultimate |             | Nonassociated |             |
|--|----------------------------|----------|-------------|---------------|-------------|
| Field Name         (million<br>barrels)         (billion (billion<br>cubic feet)         (million<br>cubic feet)         barrels)           Alyasovskoye Severnoye         36.18         0.44           Alyasovskoye Severnoye         36.18         0.44           Alyasovskoye Severnoye         12.51         4.35         336.47         3.70           Chancharskoye Severnoye         12.51         4.35         174.13         1.92           Danilovskoye Severnoye         12.51         4.35         19         100         19000000000000000000000000000000000000   |                            |          |             |               | Condensate  |
| Field Name         barrels)         cubic feet)         cubic feet)         barrels)           Alyasovskoye Severnoye         36.18         0.44           Alyasovskoye Yuzhnoye         48.52         0.55           Berezovskoye (Tyumen)         336.47         3.70           Chancharskoye Severnoye         12.51         4.35         -           Danilovskoye Severnoye         12.51         4.35         -           Danilovskoye Vostochnoye         12.51         4.35         -           Danilovskoye Vostochnoye         12.51         4.35         -           Danilovskoye Vostochnoye         12.51         4.35         -           Daminovskoye Severnoye         12.51         4.35         -           Daminovskoye Vostochnoye         12.51         4.35         -           Danilovskoye Severnoye         12.51         4.35         -           Gornoye (Tyumen)         89.36         0.98         -           Igrimskoye Severnoye         12.51         4.35         -           Kartopya Zapadnoye         0.40         0.09         -           Kartopya Zapadnoye         1.74         4.08         -           Leaminskoye Vostochnoye         1.74         4.08         - </th <th></th> <th></th> <th></th> <th></th> <th>oonachisate</th> |                            |          |             |               | oonachisate |
| Alyasovskoye Severnoye         36.18         0.44           Alyasovskoye Yuzhnoye         36.18         0.44           Alyasovskoye Yuzhnoye         48.52         0.55           Berezovskoye (Tyumen)         336.47         3.70           Chuelskoye         12.51         4.35         174.13         1.92           Danilovskoye Severnoye         12.51         4.35         174.13         1.92           Danilovskoye Zapadnoye         12.51         4.35         149.82         1.78           Deminskoye Zapadnoye         10.58         3.33         60         0.98           Gornoye (Tyumen)         89.36         0.98         123.20         1.36           Grimskoye Yuzhnoye         95.25         1.05         1.05         1.32         1.36           Kartopya Uzhnoye         95.25         1.05         1.05         1.86         1.02         1.22         0.22         1.05         1.35         1.05         1.86         1.065         1.05         1.86         1.05         1.05         1.86         1.065         1.05         1.86         1.065         1.05         1.86         1.065         1.05         1.86         1.065         1.05         1.86         1.065         1.065   | Field Name                 |          |             |               | barrels)    |
| Alýasovskoje Yužhnovje       48.52       0.55         Berezovskoje (Tyumen)       336.47       3.70         Chuelskove       174.13       1.92         Danilovskoje Severnoye       12.51       4.35         Danilovskoje Severnoye       12.51       4.35         Danilovskoje Zapadnoye       12.51       4.35         Danilovskoje Zapadnoye       12.51       4.35         Danilovskoje Zapadnoye       12.51       4.35         Danilovskoje Vastochnoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Vuzhnoye       95.25       1.05         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       11.74       4.08         Lem inskoye Zapadnoye       12.51       4.35         Lem inskoye Zapadnoye       12.51       4.35         Leminskoye Zapadnoye       11.74       4.08         Leminskoye Zapadnoye       12.51       4.35         Lowinskoye       2.52,74       Lovinskoye         Lovinskoye Zapadno  |                            | Surreie) | cubic rooty |               | , surreie)  |
| Alyasovskoje Yuzhnoyé       48.52       0.55         Berezovskoje (Tjumen)       336.47       3.70         Chuelskoje       12.51       4.35         Chuelskoje       89.21       28.73         Danilovskoje Severnoye       12.51       4.35         Danilovskoje Sovernoye       12.51       4.35         Danilovskoje Zapadnoye       12.51       4.35         Deminskoje       149.82       1.78         Bornoye (Tjumen)       89.36       0.98         Girmskoye Vuzhnoye       123.20       1.36         Girmskoye Yuzhnoye       123.20       1.36         Karabashskoye(Leninskoye)       20.42       0.22         Karabya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       11.74       4.08         Lem inskoye Vostochnoye       11.74       4.08         Lem inskoye Zapadnoye       11.74       4.08         Lem inskoye Zapadnoye       12.51       4.35         Leminskoye (Karabashskoye)       5.05       1.86         Leminskoye Zapadnoye       12.51       4.35         Leminskoye Zapadnoye       12.51       4.35         Malodanilovskoye </td <td>Alyasovskoye Severnoye</td> <td></td> <td></td> <td>36.18</td> <td>0.44</td>  | Alyasovskoye Severnoye     |          |             | 36.18         | 0.44        |
| Berezovskoye (Tyumen)         336.47         3.70           Chancharskoye Severnoye         12.51         4.35         174.13         1.92           Danilovskoye Severnoye         12.51         4.35         174.13         1.92           Danilovskoye Severnoye         12.51         4.35         178         178         178           Danilovskoye Severnoye         12.51         4.35         178         178         178           Danilovskoye Sapadnoye         12.51         4.35         178         178         178           Gornoye (Tyumen)         89.36         0.98         123.20         1.36         178           Igirimskoye Severnoye         123.20         1.36         178         172.20         1.36           Igrimskoye Severnoye         123.20         1.36         178<   |                            |          |             |               |             |
| Chancharsköye Ševernöye       12.51       4.35         Chuelsköye       89.21       28.73         Danilovsköye Severnöye       12.51       4.35         Danilovsköye Vostochnöye       12.51       4.35         Danilovsköye Vostochnöye       12.51       4.35         Danilovsköye Vostochnöye       12.51       4.35         Deminsköye       149.82       1.78         Filippovsköye       10.58       3.33         Görnöye (Tyumen)       89.36       0.98         Igrimsköye Svernöye       12.32.0       1.36         Igrimsköye Yuzhnöye       20.42       0.22         Kartöpya       40.43       27.98         Kartöpya       40.43       27.98         Kartöpya Zapadnöye       0.40       0.09         Kartöpya Zapadnöye       14.1       6.65         Khultursköye       72.22       25.09         Lazarevsköye       11.74       4.08         Lem insköye Zapadnöye       12.51       4.35         Löwinsköye Zapadnöye       15.51       52.32       0.58         Löwinsköye (Lemya)       5.05       5.74       Lövinsköye Zapadnöye       12.51       4.35         Lövinsköye Zapadnöye       1.81 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>  |                            |          |             |               |             |
| Chuelskoye       174.13       1.92         Danilovskoye       89.21       28.73         Danilovskoye Severnoye       12.51       4.35         Danilovskoye Vostochnoye       12.51       4.35         Danilovskoye Vostochnoye       12.51       4.35         Danilovskoye Vostochnoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Severnoye       123.20       1.36         Igrimskoye Severnoye       20.42       0.22         Karabashkove(Leninskoye)       20.42       0.22         Karabashkove(Leninskoye)       20.40       0.09         Karabashkove(Leninskoye)       22.50.9       28.49         Kartopya-Okhanskoye       11.74       4.08         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye Vostochnoye       12.51       4.35         Leminskoye Qapadnoye       12.51       4.35         Leminskoye Vostochnoye       12.51       4.35         Leminskoye Vostochnoye       12.51       4.35         Leminskoye Zapadnoye       11.74       4.08         Leminskoye Zapadnoye       12.51       4.35         Lovinskoye       28.51       58.49   |                            | 12.51    | 4.35        |               |             |
| Danilovskoye       89.21       28.73         Danilovskoye Severnoye       12.51       4.35         Danilovskoye Zapadnoye       12.51       4.35         Deminskoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Svernoye       123.20       1.36         Igrimskoye Yuzhnoye       20.42       0.22         Kartopya       40.43       27.98         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       12.51       4.35         Kartopya Zapadnoye       14.40       0.22         Kartopya Sove       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       11.74       4.08         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Karabashskoye)       5.05       1.86         Lovinskoye Vostochnoye       12.51       4.35         Lovinskoye Sotochnoye       1.81       0.63         Malodanilovskoye       12.51       4.35         Lovinskoye Zapadnoye       1.81       0.63         Mortym 'yaskoye Zapadnoye 1       12.51       <  |                            |          |             | 174,13        | 1.92        |
| Danilovskovje Severnoye       12.51       4.35         Danilovskovje Zapadnoye       12.51       4.35         Deminskove       149.82       1.78         Filippovskoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Severnoye       123.20       1.36         Igrimskoye Vuzbnoye       20.42       0.22         Karabashskoye(Leninskoye)       20.40       0.09         Karabashskoye(Leninskoye       8.49       1.80         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Karupa-Okhanskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Lemmiskoye (Lemya)       5.05       1.86         Leminskoye (Lemya)       5.05       1.86         Lovinskoye       12.51       4.35         Lovinskoye       18.1       0.63         Maloo-Tolumskoye       18.1       0.63         Maloo-Tolumskoye       18.3       4.28         Malootanayskoye       18.3       4.28         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 2       12.   |                            | 89.21    | 28.73       |               |             |
| Danilovskoje Vostochnoye       12.51       4.35         Danilovskoje Zapadnoye       12.51       4.35         Filippovskoje       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoje Severnoye       123.20       1.36         Igrimskoje Yuzhnoye       95.25       1.05         Kartopya       40.43       27.98         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       11.74       4.08         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye Vostochnoye       11.74       4.08         Leminskoye Zapadnoye       5.05       1.86         Leminskoye Zapadnoye       15.51       53.5         Lopukhovskoje       12.51       4.35         Lowinskoye       52.32       0.58         Lowinskoye       12.51       4.35         Lowinskoye       12.51       4.35         Małodanilowskoje       12.51       4.35         Lowinskoye       12.51       4.35         Małodanilowskoje       12.51       4.35  |                            |          |             |               |             |
| Danilovskovje Zapadnovje       12.51       4.35         Deminskove       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskove Severnoye       95.25       1.05         Karabashskoye(Leninskoye)       20.42       0.22         Kartopy Zapadnoye       0.40       0.09         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       17.41       6.65         Kayumovskoye       12.51       4.35         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye Zapadnoye       11.74       4.08         Leminskoye (Karabashskoye)       12.51       4.35         Leminskoye (Karabashskoye)       5.05       1.86         Leminskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malo-tolumskoye       1.81       0.63         Malodanilovskoye       1.2.51       4.35         Lovinskoye Zapadnoye       1.81       0.63         Malodanilovskoye       1.81       0.63         Motrym yaskoye Zapadnoye 1       1.2.51       4.35         Motrym yaskoye Zapadnoye 1       1.2.51       4.35         Motrym yaskoye  |                            |          |             |               |             |
| Deminskoye       149.82       1.78         Filippovskoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Severnoye       123.20       1.36         Igrimskoye Yuzhnoye       20.42       0.22         Karabashskoye(Leninskoye)       20.42       0.22         Karabashskoye(Leninskoye)       84.0       0.09         Karabashskoye(Leninskoye)       84.0       0.09         Karabashskoye       84.9       1.80         Karabashskoye       84.9       1.80         Karabashskoye       12.51       4.35         Karboya-Okhanskoye       11.74       4.08         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Karabashskoye)       50.5       1.86         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Malodanilovskoye       12.51       4.35         Malodanilovskoye       12.51       4.35         Mortym yaskoye Severnoye       92.65       30.22         Mortym yaskoye Zapadnoye 1       12.51  |                            |          |             |               |             |
| Filippovskoye       10.58       3.33         Gornoye (Tyumen)       89.36       0.98         Igrimskoye Severnoye       123.20       1.36         Igrimskoye Yuzhnoye       95.25       1.05         Kartopya       40.43       27.98       20.42       0.22         Kartopya       0.40       0.09       44       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80       44 </td <td></td> <td>12.01</td> <td>1.00</td> <td>149 82</td> <td>1 78</td>  |                            | 12.01    | 1.00        | 149 82        | 1 78        |
| Gornoye (Tyumen)       89.36       0.98         Igrimskoye Severnoye       95.25       1.05         Karabashskoye(Leninskoye)       20.42       0.22         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leminskoye (Lemya)       5.05       1.86         Lovinskoye (Lemya)       5.05       1.86         Lovinskoye (Lemya)       5.05       1.86         Lovinskoye Zapadnoye       1.81       0.63         Malootanilovskoye       1.81       0.63         Mortym 'yaskoye Severnoye       92.65       30.22         Mortym yaskoye Zapadnoye 1       1.251       4.35         Mort  |                            | 10 58    | 3 33        | 140.02        | 1.70        |
| Igrimskove Severnoye       123.20       1.36         Igrimskove Yuzhnoye       20.42       0.22         Karabashkoye(Leninskoye)       20.42       0.22         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       0.40       0.09         Kartopya Chkanskoye       8.49       1.80         Kartopya Chkanskoye       14.11       6.65         Kartopya Chkanskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Karabashkoye)       5.05       1.86         Leminskoye Zapadnoye       15.87       25.74         Lovinskoye       55.97       25.74         Lovinskoye Zapadnoye       1.81       0.63         Malop-Tolumskoye       1.81       0.63         Maloptanayskoye       1.81       0.63         Mortym 'yaskoye Severnoye       92.65       30.22         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mulym yaskoye Zapadnoye 2       12.51       4.35         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mulym yaskoye Zapadnoye 3       18.38       4.28         Mulym yaskoye Zapadnoye 3       18.38       4.28  |                            | 10.00    | 0.00        | 80.36         | 0.98        |
| İgrimskoye Yuzhnoye       95.25       1.05         Kartabashskoye(Leninskoye)       20.42       0.22         Kartopya Zapadnoye       0.40       0.09         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leminskoye (Lemya)       5.05       1.86         Loyinskoye       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malochaliovskoye       12.51       4.35         Malotanilovskoye       12.51       4.35         Maloptanayskoye       18.1       0.63         Mortym 'yaskoye Zapadnoye       18.1       0.63         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 2       12.51       4.35         Malochalioxskoye       18.79       5.92         Mulym yaskoye Zapadnoye 3       18.3   |                            |          |             |               |             |
| Karabashskoye(Leninskoye)       20.42       0.22         Kartopya       40.43       27.98         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Karabashskoye)       505       1.86         Leminskoye (Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malodanilovskoye       12.51       4.35         Mortym 'yaskoye Severnoye       92.65       30.22         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 3       18.38       4.28         Mulym yaskoye Zapadnoye 3       18.38       4.28  |                            |          |             |               |             |
| Kartop'ya       40.43       27.98         Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Lopushovskoye       12.51       4.35         Lopuskovskoye       12.51       4.35         Lopuskovskoye       12.51       4.35         Lopuskovskoye       12.51       4.35         Lopuskovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malootonmskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mulym yaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnoya 1       12.51       4.35         Mulymyaskoye Zapadnoya 1       1.5 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>  |                            |          |             |               |             |
| Kartopya Zapadnoye       0.40       0.09         Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Malo-Tolumskoye       188.51       58.49         Malo-Tolumskoye       1.81       0.63         Mortym'yaskoye Zapadnoye       1.81       0.63         Mortym'yaskoye Zapadnoye       12.51       4.35         Mortym yaskoye Zapadnoye 1       12.51       4.35         Mortym yaskoye Zapadnoye 2       12.51       4.35         Mortym yaskoye Zapadnoye 3       18.38       4.28         Mulym yaskoye Zapadnoye 3       18.38       4.28         Mulym yaskoye Zapadnoye 3       1.35       0.47         Nulin-Turskoye  |                            | 40.42    | 27.00       | 20.42         | 0.22        |
| Kartopya-Okhanskoye       8.49       1.80         Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Zapadnoye       11.74       4.08         Lemiskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       52.32       0.58         Lovinskoye Zapadnoye       15.75       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Maloptanayskoye       12.51       4.35         Maloptanayskoye       12.51       4.35         Maloptanayskoye       12.51       4.35         Motym'yaskoye Zapadnoye       12.51       4.35         Motym'yaskoye Zapadnoye       12.51       4.35         Motym'yaskoye Zapadnoye       12.51       4.35         Motym'yaskoye Zapadnoye 1       12.51       4.35         Motym'yaskoye Zapadnoye 2       12.51       4.35         Motym'yaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnoya 1       12.51       4.35         Mulymyaskoye Zapadnoya       16.91       6.24         Mulymyasko  |                            |          |             |               |             |
| Kayumovskoye       14.11       6.65         Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       5.05       1.86         Lovinskoye       55.97       25.74         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malodanilovskoye       1.81       0.63         Mortym 'yaskoye Severnoye       92.65       30.22         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 2       12.51       4.35         Mulymyaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnoye 1       0.47       10.66       0.12         Okhanskoye       12.51       4.35   |                            |          |             |               |             |
| Khulturskoye       72.22       25.09         Lazarevskoye       12.51       4.35         Lem'inskoye Vostochnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       50.5       1.86         Lopukhovskoye       12.51       4.35         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Maloptanayskoye       12.51       4.35         Moloptanayskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mulymyaskoye Zapadnoye 3       18.88       4.28         Mulymyaskoye Zapadnoya 1       6.91       6.24         Mulymyaskoye Zapadnoya 1       1.35       0.47         Nulim-Turskoye       10.66       0.12         Okhanskoye       8.93       9.78         Pot  |                            |          |             |               |             |
| Lazarevskove       12.51       4.35         Lem inskoye Vostochnoye       11.74       4.08         Lem inskoye Zapadnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malootanilovskoye       12.51       4.35         Malopotanayskoye       1.81       0.63         Mortym 'yaskoye Severnoye       92.65       30.22         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mortym 'yaskoye Zapadnoye 1       12.51       4.35         Mulym yaskoye Zapadnoye 2       12.51       4.35         Mulym yaskoye Zapadnoye 3       18.38       4.28         Mulym yaskoye Zapadnoye 3       18.37       5.92         Mulym yaskoye Zapadnoya 1       1.55       0.47         Nulin-Turskoye       10.66       0.12         Oktanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09     <   |                            |          |             |               |             |
| Lem'inskoye Vostochnoye         11.74         4.08           Lem inskoye Zapadnoye         11.74         4.08           Leminskoye (Lemya)         5.05         1.86           Lenninskoye (Karabashskoye)         52.32         0.58           Lopukhovskoye         12.51         4.35           Lovinskoye Zapadnoye         158.51         58.49           Malo-Tolumskoye         1.81         0.63           Malodanilovskoye         12.51         4.35           Malodanilovskoye         1.81         0.63           Mortym'yaskoye Severnoye         92.65         30.22           Mortym'yaskoye Zapadnoye 1         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 1         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mulym'yaskoye Zapadnoye 3         18.38         4.28           Mulymyaskoye Zapadnoye 3         18.38         4.28           Mulymyaskoye Zapadnoya 1         6.91         6.24           Mulymyaskoye Zapadnaya         1.35         0.47           Nulin-Turskoye         8.07         0.09           Ozernoye (Vostochnoye & Zapadnoye)         8.98   |                            |          |             |               |             |
| Lem'inskoye Zapadnoye       11.74       4.08         Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malopatanayskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Potanayskoye Severnoye       3.32       1.41   |                            |          |             |               |             |
| Leminskoye (Lemya)       5.05       1.86         Leninskoye (Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malopotanayskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.38       4.28         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnoye 3       18.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Potanayskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41 <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>  |                            |          |             |               |             |
| Leninskoye(Karabashskoye)       52.32       0.58         Lopukhovskoye       12.51       4.35         Lovinskoye       55.97       25.74         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malodanilovskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.97       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         <  |                            |          |             |               |             |
| Lopukhovskoye       12.51       4.35         Lovinskoye       55.97       25.74         Lovinskoye Zapadnoye       158.51       58.49         Malo-Tolumskoye       1.81       0.63         Malodanilovskoye       12.51       4.35         Malopotanayskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoya 1       6.24       4.35         Mulymyaskoye Zapadnoya 1       1.35       0.47         Nulim-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Vostochnoye       15.87       6.69   |                            | 5.05     | 1.86        |               |             |
| Lovinskoye         55.97         25.74           Lovinskoye Zapadnoye         158.51         58.49           Malo-Tolumskoye         1.81         0.63           Malodanilovskoye         12.51         4.35           Malopotanayskoye         1.81         0.63           Mortym'yaskoye Severnoye         92.65         30.22           Mortym'yaskoye Zapadnoye 1         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 3         18.38         4.28           Mulym'yaskoye Zapadnoye 3         18.38         4.28           Mulymyaskoye Srednyaya         16.91         6.24           Mulymyaskoye Zapadnaya         1.35         0.47           Nulin-Turskoye         10.66         0.12           Okhanskoye         12.51         4.35           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Paul-Tur         8.98         0.10           Pokhromskoye         95.50         90.25           Potanayskoye Severnoye         3.32         1.41           Potanayskoye Vostochnoye         1.81         0.63  |                            |          |             | 52.32         | 0.58        |
| Lovinskoye Zapadnoye         158.51         58.49           Malo-Tolumskoye         1.81         0.63           Malodanilovskoye         12.51         4.35           Malopotanayskoye         1.81         0.63           Mortym'yaskoye Severnoye         92.65         30.22           Mortym'yaskoye Zapadnoye 1         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 3         18.38         4.28           Mulym'yaskoye Zapadnoye 3         18.38         4.28           Mulymyaskoye Zapadnoya 3         18.35         0.47           Nulim-Turskoye         10.66         0.12           Okhanskoye         12.51         4.35           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Paul-Tur         8.98         0.10           Pokhromskoye         95.50         90.25           Potanayskoye Severnoye         3.32         1.41           Potanayskoye Vostochnoye         1.81         0.63           Potanayskoye Yuzhnoye (Potanayskoye)         15.87   |                            |          |             |               |             |
| Malo-Tolumskoye       1.81       0.63         Malodanilovskoye       12.51       4.35         Malopotanayskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       12.51       4.35         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Yuzhnoye (Potanayskoye)       15.87       6.69  |                            |          |             |               |             |
| Malodanilovskove       12.51       4.35         Malopotanayskoye       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Yuzhnoye       22.41       9.40         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       12.51       4.35         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Vuzhnoye (Potanayskoye)       15.87       6.69   |                            |          |             |               |             |
| Malopotanayskove       1.81       0.63         Mortym'yaskoye Severnoye       92.65       30.22         Mortym'yaskoye Yuzhnoye       22.41       9.40         Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Yuzhnoye (Potanayskoye)       15.87       6.69  |                            |          |             |               |             |
| Mortym'yaskoye Severnoye         92.65         30.22           Mortym'yaskoye Yuzhnoye         22.41         9.40           Mortym'yaskoye Zapadnoye 1         12.51         4.35           Mortym'yaskoye Zapadnoye 2         12.51         4.35           Mortym'yaskoye Zapadnoye 3         18.38         4.28           Mulym'yaskoye Zapadnoye 3         18.79         5.92           Mulym'yaskoye Srednyaya         16.91         6.24           Mulymyaskoye Zapadnaya         1.35         0.47           Nulin-Turskoye         10.66         0.12           Okhanskoye         12.51         4.35           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Paul-Tur         8.98         0.10           Pokhromskoye         95.50         90.25           Potanayskoye Severnoye         3.32         1.41           Potanayskoye Vostochnoye         1.81         0.63           Potanayskoye Yuzhnoye (Potanayskoye)         15.87         6.69  |                            |          |             |               |             |
| Mortym yaskoye Yuzhnoye         22.41         9.40           Mortym yaskoye Zapadnoye 1         12.51         4.35           Mortym yaskoye Zapadnoye 2         12.51         4.35           Mortym yaskoye Zapadnoye 3         18.38         4.28           Mulym yaskoye Zapadnoye 3         18.79         5.92           Mulym yaskoye Srednyaya         16.91         6.24           Mulym yaskoye Zapadnaya         1.35         0.47           Nulin-Turskoye         10.66         0.12           Okhanskoye         12.51         4.35           Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Paul-Tur         8.98         0.10           Pokhromskoye         95.50         90.25           Potanayskoye Severnoye         3.32         1.41           Potanayskoye Vostochnoye         1.81         0.63           Potanayskoye Yuzhnoye (Potanayskoye)         15.87         6.69  |                            |          |             |               |             |
| Mortym'yaskoye Zapadnoye 1       12.51       4.35         Mortym'yaskoye Zapadnoye 2       12.51       4.35         Motym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye Zapadnoye 3       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Yuzhnoye (Potanayskoye)       15.87       6.69  |                            | 92.65    | 30.22       |               |             |
| Mortym'yaskoye Zapadnoye 2       12.51       4.35         Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Yuzhnoye (Potanayskoye)       15.87       6.69   | Mortym'yaskoye Yuzhnoye    | 22.41    | 9.40        |               |             |
| Mortym'yaskoye Zapadnoye 3       18.38       4.28         Mulym'yaskoye       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye       1.81       0.63         Potanayskoye Yuzhnoye (Potanayskoye)       15.87       6.69   | Mortym'yaskoye Zapadnoye 1 | 12.51    | 4.35        |               |             |
| Mulym'yaskoye       18.79       5.92         Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye (Potanayskoye)       15.87       6.69   | Mortym'yaskoye Zapadnoye 2 | 12.51    | 4.35        |               |             |
| Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye (Potanayskoye)       15.87       6.69  | Mortym'yaskoye Zapadnoye 3 | 18.38    | 4.28        |               |             |
| Mulymyaskoye Srednyaya       16.91       6.24         Mulymyaskoye Zapadnaya       1.35       0.47         Nulin-Turskoye       10.66       0.12         Okhanskoye       12.51       4.35         Ozernoye (Vostochnoye & Zapadnoye)       8.07       0.09         Paul-Tur       8.98       0.10         Pokhromskoye       95.50       90.25         Potanayskoye Severnoye       3.32       1.41         Potanayskoye Vostochnoye (Potanayskoye)       15.87       6.69  | Mulym'yaskoye              | 18.79    | 5.92        |               |             |
| Mulymyaskoye Zapadnaya1.350.47Nulin-Turskoye10.660.12Okhanskoye12.514.35Ozernoye (Vostochnoye & Zapadnoye)8.070.09Paul-Tur8.980.10Pokhromskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            | 16.91    | 6.24        |               |             |
| Nulin-Turskoye10.660.12Okhanskoye12.514.350.09Ozernoye (Vostochnoye & Zapadnoye)8.070.09Paul-Tur8.980.10Pokhromskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            | 1.35     | 0.47        |               |             |
| Okhanskoye12.514.35Ozernoye (Vostochnoye & Zapadnoye)8.070.09Paul-Tur8.980.10Pokhromskoye889.349.78Potanayskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69   |                            |          |             | 10.66         | 0.12        |
| Ozernoye (Vostochnoye & Zapadnoye)         8.07         0.09           Paul-Tur         8.98         0.10           Pokhromskoye         95.50         90.25           Potanayskoye Severnoye         3.32         1.41           Potanayskoye Vostochnoye         1.81         0.63           Potanayskoye Yuzhnoye (Potanayskoye)         15.87         6.69   |                            | 12.51    | 4.35        |               |             |
| Paul-Tur8.980.10Pokhromskoye889.349.78Potanayskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            |          |             | 8.07          | 0.09        |
| Pokhromskoye889.349.78Potanayskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            |          |             |               |             |
| Potanayskoye95.5090.25Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            |          |             |               |             |
| Potanayskoye Severnoye3.321.41Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            | 95 50    | 90 25       |               | 011 0       |
| Potanayskoye Vostochnoye1.810.63Potanayskoye Yuzhnoye (Potanayskoye)15.876.69  |                            |          |             |               |             |
| Potanayskoye Yuzhnoye (Potanayskoye) 15.87 6.69  |                            |          |             |               |             |
|  |                            |          |             |               |             |
| 1 unginakoyo   |                            | , 10.07  | 0.03        | 544 84        | 5 00        |
| Semividovskoye Vostochnoye   |                            |          |             | 544.04        | 5.55        |

#### Table 14D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Urals Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                                    | Ultimate  |                   | Nonassociated |            |
|------------------------------------|-----------|-------------------|---------------|------------|
|                                    | Crude Oil | Disolved Gas      | Gas           | Condensate |
|                                    | (million  | (billion (billion | (million      |            |
| Field Name                         | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Shukhtungortskoye Vostochnny       |           |                   | 149.86        | 1.65       |
| Shukhtungortskoye Zapadnoye        |           |                   | 92.74         | 1.02       |
| Shukhtungortskoye                  |           |                   | 135.96        | 1.50       |
| Shushminskoye                      | 65.94     | 23.96             | 100100        |            |
| Shushminskoye Severnoye            | 6.49      | 2.40              |               |            |
| Shushminskoye Yuzhnoye             | 12.51     | 4.36              |               |            |
| Slavinskoye                        | 12.51     | 4.38              |               |            |
| Srednekondinskoye                  | 2.00      | 1.00              |               |            |
| Sredneteterevskoye                 | 12.51     | 4.36              |               |            |
| Surprinskoye Vostochnoye           | 2.00      | 1.00              |               |            |
| Symor'yakhskoye                    | 12.51     | 4.36              |               |            |
| Syskonsyninskoye                   | 12.01     | 100               | 1,513.39      | 16.65      |
| Syskonsynyaskoye Vostochnaya       |           |                   | 242.79        | 2.67       |
| Syskonsynyaskoye Yuzhnaya          |           |                   | 91.41         | 1.01       |
| Syskonsynyaskoye Zapadnaya         |           |                   | 188.38        | 2.07       |
| Tal'nikovoye                       | 56.83     | 20.97             | 100.00        | 2.07       |
| Teterevo-Mortyminskoye             | 341.37    | 120.71            | 888.28        | 9.77       |
| Teterevskoye Severnoye(Mortym)     | 62.80     | 22.21             | 000.20        | 0117       |
| Teterevskoye Vostochnoye(Mortymin) | 12.69     | 1.76              |               |            |
| Teterevskoye Yuzhnoye(Mortymin)    | 146.62    | 54.39             | 80.70         | 0.89       |
| Tolumskoye Vostochnoye             | 29.69     | 10.95             |               | 0.00       |
| Tolum-Semividovskoye               | _0.00     |                   |               |            |
| Tolumskoye Servernoye              | 40.97     | 7.73              |               |            |
| Tolumskoye Yuzhnoye                | 25.42     | 5.00              |               |            |
| Trekhozernoye                      | 161.19    | 45.83             |               |            |
| Trekhozernoye Severnoye            | 23.10     | 11.97             |               |            |
| Tugiyanskoye                       | 20110     |                   | 2.13          | 0.02       |
| Ubinskoye                          | 6.40      | 2.36              | 2.10          | 0.02       |
| Ubinskoye Lesser                   | 5.57      | 1.08              |               |            |
| Ubinskoye Servenoye                | 7.60      | 1.47              |               |            |
| Ubinskoye Yuzhnoye                 | 3.83      | 0.55              |               |            |
| Ubinskoye Zapadnoye                | 5.20      | 1.00              |               |            |
| Uzbekskoye                         | 191.95    | 70.83             |               |            |
| Uzbekskoye Severnoye               | 12.51     | 4.36              |               |            |
| Uzbekskoye-Sredne-Chanchar         | 17.01     | 5.93              |               |            |
| Uzbelskoye Yuzhnoye                | 12.51     | 4.36              |               |            |
| Verkhnelem'inskoye                 | 36.83     | 13.59             |               |            |
| Verkhnesuprinskoye                 | 2.00      | 1.00              |               |            |
| Verkhnyaya Kondaskoye              | 2.00      | 1.00              | 146.14        | 1.61       |
| Yakhlaskoye                        | 509.74    | 238.08            | 170.17        | 1.01       |
| ·                                  |           | 4 000 40          | 0.440.00      |            |
| TOTAL                              | 2,732.53  | 1,080.13          | 6,119.33      | 67.50      |

 Table 14D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Urals

 Region, West Siberian Basin (Sorted Alphabetically by Field Name). (Continued)

| North East                |              |           |           |           |         |  |  |
|---------------------------|--------------|-----------|-----------|-----------|---------|--|--|
|                           | Latitude     | Latitude  | Discovery | Producing | Primary |  |  |
| Field Name                | (degrees)    | (degrees) | Date      | Status    | Product |  |  |
|                           | <b>FT</b> 40 |           | 1005      |           | 0.1     |  |  |
| Archinskoye               | 57.49        | 78.50     | 1985      | SI        | Oil     |  |  |
| Ay-Yaunskoye              | 59.31        | 72.76     | 1968      | SI        | Oil     |  |  |
| Aykuruskoye               | 59.80        | 73.72     | 1988      | SI        | Oil     |  |  |
| Chvorovoye (Vasyuganskiy) | 58.58        | 76.95     | 1980      | SI        | Oil     |  |  |
| Demyanskoye Severnoye     | 59.53        | 70.81     | 1988      | SI        | Oil     |  |  |
| Duklinskoye               | 59.33        | 75.80     | 1990      | PP        | Oil     |  |  |
| Fedyushkinskoye           | 57.77        | 76.31     | 1985      | PP        | Oil     |  |  |
| Fedyushkinskoye Severnoye | 57.88        | 76.35     | 1987      | SI        | Oil     |  |  |
| Gerasimovskoye            | 57.65        | 78.92     | 1983      | PP        | Oil     |  |  |
| Glukhovskoye              | 58.03        | 76.78     | 1983      | SI        | Oil     |  |  |
| Gustorechenskoye          | 58.07        | 73.55     | 1992      | SI        | Oil     |  |  |
| Igol'sko-Talovoye         | 57.64        | 76.24     | 1977      | PS        | Oil     |  |  |
| Kalchinskoye              | 59.20        | 69.99     | 1990      | PP        | Oil     |  |  |
| Kalchinskoye Severnoye    | 59.30        | 70.00     | 1991      | SI        | Oil     |  |  |
| Kalinovoye                | 57.42        | 79.10     | 1973      | SI        | Gas     |  |  |
| Kalinovoye Severnoye      | 57.51        | 79.01     | 1980      | SI        | Oil     |  |  |
| Kalinovoye Vostochnoye    | 57.44        | 79.21     | 1973      | SI        | Oil     |  |  |
| Karasevskoye (Tomsk)      | 58.43        | 76.04     | 1985      | SI        | Oil     |  |  |
| Karasevskoye Severnoye    | 58.48        | 76.06     | 1988      | SI        | Oil     |  |  |
| Karasevskoye Zapadnoye    | 00.40        | 10.00     | 1000      | SI        | Oil     |  |  |
| Karayskoye                | 57.70        | 75.96     | 1980      | DV        | Oil     |  |  |
| Karayskoye Zapadnoye      | 57.75        | 75.62     | 1983      | SI        | Oil     |  |  |
|                           | 59.14        | 76.29     | 1965      | PS        | Oil     |  |  |
| Katyl'ginskoye            |              |           |           |           | Oil     |  |  |
| Katyl'ginskoye Zapadnoye  | 59.07        | 76.07     | 1972      | PS        |         |  |  |
| Kazanskoye                | 57.21        | 79.34     | 1967      | SI        | Gas     |  |  |
| Krapivinskoye             | 58.03        | 75.68     | 1969      | SI        | Oil     |  |  |
| Krapivinskoye Severnoye   | 58.07        | 75.74     | 1986      | SI        | Oil     |  |  |
| Krapivinskoye Vostochnoye | 58.09        | 75.73     | 1986      | SI        | Oil     |  |  |
| Larlominskoye Yuzhnoye    | 58.98        | 75.30     |           | SI        | Oil     |  |  |
| Larlomkinskoye            | 59.08        | 75.31     | 1971      | SI        | Oil     |  |  |
| Lontyn'yakhskoye          | 58.88        | 76.00     | 1964      | PP        | Oil     |  |  |
| Lower Tabaganskoye        | 57.30        | 79.00     | 1985      | SI        | Oil     |  |  |
| Maloichskoye              | 56.82        | 78.48     | 1974      | PP        | Oil     |  |  |
| Maloveselovskoye          | 56.42        | 77.98     | 1964      | SI        | Oil     |  |  |
| Mezhovskoye               | 56.54        | 77.86     | 1964      | SI        | Oil     |  |  |
| Mezhovskoye Vostochnoye   | 56.59        | 78.12     | 1966      | SI        | Oil     |  |  |
| Moiseyevskoye             | 58.19        | 76.06     | 1970      | SI        | Oil     |  |  |
| Moiseyevskoye Zapadnoye   | 58.20        | 75.83     | 1992      | SI        | Oil     |  |  |
| Multanovskove             | 60.08        | 73.55     | 1971      | DV        | Oil     |  |  |
| Nalim'yeskoye             | 57.84        | 76.74     | 1987      | SI        | Oil     |  |  |
| Nizhne Tabaganskoye       | 58.25        | 79.17     | 1973      | SI        | OII     |  |  |
| Nizhniy Keumskoye         | 59.59        | 71.36     |           | SI        | Oil     |  |  |
| Novyy-Tutymskoye          | 58.80        | 74.20     | 1988      | SI        | Oil     |  |  |
| Olen'yeskoye              | 59.36        | 76.34     | 1967      | PS        | Oil     |  |  |
| Olen'yeskoye Severnoye    | 59.40        | 76.40     | 1989      | PP        | Oil     |  |  |
| Ozernoye (Tomsk)          | 59.20        | 76.40     | 1909      | PS        | Oil     |  |  |
| Pavlovskoye (Tomsk)       | 58.50        | 75.78     | 1970      | SI        | Oil     |  |  |
|                           | 59.05        | 75.96     | 1969      | PS        | Oil     |  |  |
| Pervomayskoye (Tomsk)     |              |           |           |           |         |  |  |
| Polun'yakhskoye           | 59.54        | 73.03     | 1990      | SI        | Oil     |  |  |
| Pon'zhevoye               | 57.92        | 76.52     | 1983      | SI        | Oil     |  |  |
| Poselkovoye               | 58.56        | 76.47     | 1982      | SI        | Oil     |  |  |

# Table 15D. Basic Field Information, Kaymysov Region, West Siberian Basin \_\_\_\_\_\_(Sorted Alphabetically by Field Name)

|                          | North     | East      |           |           |         |
|--------------------------|-----------|-----------|-----------|-----------|---------|
|                          | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name               | (degrees) | (degrees) | Date      | Status    | Product |
|                          | 50.00     | 70.00     | 4074      | 0         | 01      |
| Rakitinskoye             | 56.96     | 78.96     | 1971      | SI        | Oil     |
| Shirotnoye               | 56.68     | 80.78     | 1988      | SI        | Oil     |
| Smolyanoye               | 57.35     | 78.41     | 1987      | SI        | Oil     |
| Solonovskoye             | 57.21     | 78.99     | 1986      | SI        | Oil     |
| Stolbovoye               | 59.27     | 76.57     | 1986      | DV        | Oil     |
| Tabagan Yuzhnoye         | 57.29     | 78.96     | 1983      | SI        | Oil     |
| Tagayskoye               | 57.97     | 76.02     | 1987      | SI        | Oil     |
| Tambayeyskoye Yuzhnoye   | 57.69     | 78.58     | 1986      | SI        | Oil     |
| Tarskoye Vostochnoye     | 56.86     | 78.86     | 1986      | SI        | Oil     |
| Tay-Das (Dasskoye)       | 56.73     | 79.13     | 1971      | SI        | Oil     |
| Tay-Das Vostochnoye      | 56.68     | 79.22     |           | SI        | Oil     |
| Taylakovskoye            | 59.14     | 74.11     | 1964      | SI        | Oil     |
| Travyanoye               | 59.08     | 74.05     |           | SI        | Oil     |
| Tukanskoye               | 59.82     | 72.39     | 1963      | SI        | Oil     |
| Urmanskoye               | 57.62     | 78.45     | 1974      | SI        | Oil     |
| Urnenskove               | 58.66     | 73.38     | 1970      | SI        | Oil     |
| Usanovskoye              | 58.56     | 73.68     | 1971      | SI        | Oil     |
| Verkhnetarskoye          | 56.74     | 78.75     | 1971      | PP        | Oil     |
| Veselovskove             | 56.52     | 78.15     | 1965      | SI        | Gas     |
| Vesennee                 | 59.08     | 76.00     | 1973      | SI        | Oil     |
| Vesenneye Zapadnoye      | 00100     |           |           | SI        | Oil     |
| Vostochnoye(Novosibirsk) | 56.70     | 79.29     | 1986      | SI        | Oil     |
| Yagyl'yakhskoye          | 57.74     | 75.20     | 1982      | SI        | Oil     |
| Yelleyskoye(Yelley)      | 57.60     | 77.68     | 1983      | SI        | Oil     |
| Yutymskoye Severnoye     | 59.00     | 74.16     | 1989      | SI        | Oil     |

# Table 15D. Basic Field Information, Kaymysov Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

| Field Name(million<br>barrels)(billi<br>cubArchinskoye59.72Ay-Yaunskoye524.22Aykuruskoye144.08Chvorovoye (Vasyuganskiy)3.81Demyanskoye Severnoye27.37Fedyushkinskoye113.32Fedyushkinskoye Severnoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye11.12Kalinovoye Severnoye30.39Kalinovoye Severnoye0.22Kalinovoye Vostochnoye0.22Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.37Karajkoye150.91Kazaskoye34.22Krapivinskoye Severnoye17.37Katyl'ginskoye Severnoye17.31Katyl'ginskoye51.2Lontyn'yakhskoye11.12Larlominskoye Vuzhnoye11.12Larlominskoye Vuzhnoye11.12Larlominskoye Vostochnoye50.57Maloceselovskoye19.44Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye50.57Moleselovskoye19.27Moiseyevskoye Zapadnoye19.27Moiseyevskoye Zapadnoye19.27Moiseyevskoye Zapadnoye9.53Molichskoye9.53Molichskoye9.53Molichskoye11.22Larlominskoye11.27   |               | Nonassociated | _          |
|---|---------------|---------------|------------|
| Field Namebarrels)cubArchinskoye59.72Ay-Yaunskoye524.22Aykuruskoye144.08Chvorovoye (Vasyuganskiy)3.81Demyanskoye Severnoye20.66Duklinskoye27.37Fedyushkinskoye Severnoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye11.12Kalchinskoye Severnoye30.37Kalchinskoye Severnoye10.47Kalchinskoye Severnoye10.47Karasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Severnoye10.47Karasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Katyl'ginskoye25.11Katyl'ginskoye Zapadnoye11.12Katyl'ginskoye Vostochnoye34.22Krapivinskoye Vostochnoye34.22Krapivinskoye Vostochnoye5.12Lontyn yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye29.25Multanovskoye41.91Naim'yeskoye11.12Noiseyevskoye29.25Multanovskoye11.12Olen'yeskoye Severnoye11.12Olen'yeskoye Severnoye11.12Olen'yeskoye11.12Olen'yeskoye11.12Olen'yeskoye11.12Olen'yeskoye11.1  | ved Gas       | Gas           | Condensate |
| Archinskoye59.72Ay-Yaunskoye524.22Aykuruskoye144.08Chvorovoye (Vasyuganskiy)3.81Demyanskoye Severnoye20.66Duklinskoye27.37Fedyushkinskoye Severnoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye11.12Kalchinskoye Severnoye30.07Kalchinskoye Severnoye11.12Kalinovoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye150.91Kazaskoye50.91Kazanskoye150.28Larlominskoye Yuzhnoye11.12Larlominskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Severnoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye Vostochnoye50.57Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye50.57Mezhovskoye Vapadnoye11.22Moiseyevskoye Zapadnoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye11.26Moiseyevskoye11  | on (billion   | (million      | h ( )      |
| Ay-Yaunskoye         524.22           Aykuruskoye         144.08           Chvorovoye (Vasyuganskiy)         3.81           Demyanskoye Severnoye         20.66           Duklinskoye         27.37           Fedyushkinskoye         113.32           Fedyushkinskoye Severnoye         2.71           Gerasimovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye Severnoye         11.12           Kalinovoye Severnoye         30.39           Kalinovoye Vostochnoye         0.22           Kainovoye         191.60         2,'           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karaskoye         25.11           Katyl'ginskoye Zapadnoye         150.91           Kazanskoye         150.91           Kazanskoye         5.12           Lontyn'yakhskoye         16.14           Lower Tabaganskoye         150.28           Larlomkinskoye         20.57           Maloichskoye         30.50 <t< th=""><th>ic feet)</th><th>cubic feet)</th><th>barrels)</th></t<>                 | ic feet)      | cubic feet)   | barrels)   |
| Ay-Yaunskoye         524.22           Aykuruskoye         144.08           Chvorovoye (Vasyuganskiy)         3.81           Demyanskoye Severnoye         20.66           Duklinskoye         27.37           Fedyushkinskoye Severnoye         2.71           Gerasimovskoye Severnoye         2.71           Gerasimovskoye         4.09           Glukhovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye Severnoye         30.37           Kalchinskoye Severnoye         0.22           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karaskoye         25.11           Katyl'ginskoye Zapadnoye         150.91           Karaskoye         25.11           Katyl'ginskoye Vostochnoye         34.22           Krapivinskoye Vostochnoye         34.22           Krapivinskoye Vostochnoye         150.28           Larlominskoye Yuzhnoye         11.12           Lontyn'yakhskoye         26.12           Lontyn'yakhskoye         20.57   | 22.04         |               |            |
| Aykuruskoye       144.08         Chvorovoye (Vasyuganskiy)       3.81         Demyanskoye Severnoye       20.66         Duklinskoye       27.37         Fedyushkinskoye       113.32         Fedyushkinskoye Severnoye       2.71         Gerasimovskoye       49.67         Glukhovskoye       4.09         Gustorechenskoye       25.27         Igol'sko-Talovoye       11.12         Kalchinskoye Severnoye       30.37         Kalchinskoye Severnoye       30.39         Kalinovoye Severnoye       10.47         Karasevskoye Severnoye       10.47         Karasevskoye Zapadnoye       11.12         Karasevskoye Zapadnoye       11.12         Karasevskoye Zapadnoye       150.91         Kazanskoye       150.91         Kazanskoye       150.91         Kazanskoye       150.28         Larlomkinskoye       5.12         Lontyn'yakhskoye       16.14         Lower Tabaganskoye       19.27         Moiseyevskoye Zapadnoye       1.93         Maloichskoye       19.27         Moloichskoye       5.12         Lontyn'yakhskoye       16.14         Lower Tabaganskoye       19.37 <td>89.12</td> <td>790.74</td> <td></td>  | 89.12         | 790.74        |            |
| Chvorovoye (Vasyuganskiy)         3.81           Demyanskoye Severnoye         20.66           Duklinskoye         27.37           Fedyushkinskoye Severnoye         2.71           Gerasimovskoye         49.67           Glukhovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye         30.07           Kalchinskoye Severnoye         30.307           Kalchinskoye Severnoye         0.22           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         11.12           Karayskoye         25.11           Katyl'ginskoye Zapadnoye         11.12           Karayskoye         25.21           Katyl'ginskoye Vostochnoye         34.22           Krapivinskoye Vostochnoye         150.91           Kazanskoye         150.28           Larlominskoye Yuzhnoye         11.12           Larlomkinskoye         5.12           Lontyn'yakhskoye         16.14   | 54.46         | 150.14        |            |
| Demyanskoye Severnoye         20.66           Duklinskoye         27.37           Fedyushkinskoye         113.32           Fedyushkinskoye Severnoye         2.71           Gerasimovskoye         40.9           Glukhovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye Severnoye         30.07           Kalchinskoye Severnoye         30.307           Kalinovoye Severnoye         0.22           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         17.97           Karayskoye Zapadnoye         21.37           Katyl'ginskoye Zapadnoye         21.37           Katyl'ginskoye Vostochnoye         34.22           Krapivinskoye Severnoye         150.91           Kazanskoye         5.12           Lontym kinskoye         5.12           Lontym kinskoye         5.12           Lontym kinskoye         36.10           Maloveselovskoye         19.27           Moiseyevskoye Zapadnoye         5.57           Mezhovskoye         50.57   | 1.44          |               |            |
| Duklinskoye27.37Fedyushkinskoye113.32Fedyushkinskoye Severnoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye143.75Kalchinskoye Severnoye30.39Kalchinskoye Severnoye11.12Kalinovoye Vostochnoye0.22Kainovoye Vostochnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karasevskoye Zapadnoye150.91Kazyskoye25.11Katyl'ginskoye150.91Kazanskoye150.28Larlominskoye Yuzhnoye11.12Larlominskoye Yuzhnoye11.12Larlominskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye9.53Moiseyevskoye Zapadnoye19.27Moiseyevskoye Zapadnoye19.27Moiseyevskoye29.25Mulanovskoye41.91Nalim'yeskoye11.58Nizhniy Keumskoye11.12Nalim'yeskoye11.58Nizhniy Keumskoye11.12Nortyr Tutymskoye11.12Nortyr Tutymskoye11.12Nortyr Tutymskoye11.12Nortyr Tutymskoye11.12Olen'yeskoye Severnoye7.24  | 3.39          |               |            |
| Fedyushkinskoye113.32Fedyushkinskoye Severnoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye143.75Kalchinskoye33.07Kalchinskoye Severnoye11.12Kalinovoye Severnoye0.22Kalinovoye Vostochnoye0.22Kainovoye Vostochnoye0.22Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karasevskoye Zapadnoye150.91Kazasevskoye Zapadnoye150.91Kazasevskoye Vostochnoye34.22Krapivinskoye Vostochnoye150.28Larlominskoye Vostochnoye150.28Larlominskoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye36.10Maloveselovskoye9.53Moloichskoye9.53Moloichskoye9.53Moloichskoye19.27Moiseyevskoye Zapadnoye11.22Lontyn'yakhskoye11.92Maloveselovskoye9.53Moloichskoye9.53Moliseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye11.22Moiseyevskoye11.22Moiseyevskoye Zapadnoye11.22Moiseyevskoye17.26Nizhnit Keumskoye11.12Northir Keumskoye11.12Nizhnit Keumskoye11.12Nizhnit Keumskoye11.12Nizhnit Keumskoye11.12Nizhnit Keumskoye <td< td=""><td>10.35</td><td></td><td></td></td<>  | 10.35         |               |            |
| Fedyushkinskoye2.71Gerasimovskoye49.67Glukhovskoye4.09Gustorechenskoye25.27Igol'sko-Talovoye143.75Kalchinskoye33.07Kalchinskoye Severnoye30.39Kalinovoye Severnoye30.39Kalinovoye Vostochnoye0.22Kalinovoye Vostochnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karaskoye25.11Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye51.2Karipivinskoye Severnoye17.31Krapivinskoye Vostochnoye34.22Krapivinskoye Vostochnoye11.12Larlomkinskoye51.2Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye19.27Moiseyevskoye Vostochnoye50.57Mezhovskoye Vostochnoye9.53Moiseyevskoye29.25Multanovskoye11.58Nizhniy Keumskoye11.58Nizhniy Keumskoye11.12Noiny Koye11.12Noiny Koye11.12Noiny Koye11.58Nizhniy Keumskoye11.12Noiny Koye11.12Noiny Koye11.12Noiny Koye11.12Noiny Koye11.12Noiny Koye11.12Noiny Yakiskoye11.12Noiny Yakiskoye11.12Noiny Yakiskoye11.12Noiny Yakiskoye11.12Noiny Yakiskoye<   | 13.37         |               |            |
| Gerasimovskoye         49.67           Glukhovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye         33.07           Kalchinskoye Severnoye         31.12           Kalinovoye Severnoye         30.39           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         10.47           Karasevskoye Severnoye         11.12           Karasevskoye Zapadnoye         17.97           Karasevskoye Zapadnoye         21.37           Katyl'ginskoye Zapadnoye         25.11           Katyl'ginskoye Zapadnoye         150.91           Kazanskoye         150.91           Kazanskoye         150.28           Larlominskoye Vostochnoye         34.22           Krapivinskoye Severnoye         11.12           Larlominskoye Yuzhnoye         11.12           Larlominskoye Yuzhnoye         11.12           Larlominskoye         5.12           Lontyn'yakhskoye         16.14           Lower Tabaganskoye         30.57           Maloichskoye         30.57           Maloichskoye         30.57           Moiseyevskoye Zapadnoye         9.53 <tr< td=""><td>0.35</td><td></td><td></td></tr<>                 | 0.35          |               |            |
| Glukhovskoye         4.09           Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye         33.07           Kalchinskoye         33.07           Kalchinskoye Severnoye         11.12           Kalinovoye Severnoye         0.22           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         0.47           Karasevskoye Severnoye         11.12           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         17.97           Karasevskoye Zapadnoye         150.91           Kazyliginskoye Zapadnoye         150.91           Kazanskoye         150.91           Krazyliginskoye Vostochnoye         34.22           Krapivinskoye Vostochnoye         11.12           Larlominskoye Yuzhnoye         11.12           Larlominskoye Yuzhnoye         11.12           Larlominskoye         50.28           Maloichskoye         20.85           Maloichskoye         19.27           Moiseyevskoye Zapadnoye         50.57           Mezhovskoye Vostochnoye         50.57           Mezhovskoye Vostochnoye         50.57           Moiseyevskoye Zapadnoye         9.5   |               | 106.29        | 3.11       |
| Gustorechenskoye         25.27           Igol'sko-Talovoye         143.75           Kalchinskoye         33.07           Kalchinskoye Severnoye         11.12           Kalinovoye Severnoye         30.39           Kalinovoye Vostochnoye         0.22           Kalinovoye Vostochnoye         0.47           Karasevskoye Severnoye         10.47           Karasevskoye Zapadnoye         11.12           Karasevskoye Zapadnoye         17.97           Karasevskoye Zapadnoye         150.91           Kazanskoye         25.11           Katyl'ginskoye Zapadnoye         150.91           Kazanskoye         150.91           Kazanskoye         150.91           Krazinskoye Vostochnoye         34.22           Krapivinskoye Vostochnoye         11.12           Larlominskoye Yuzhnoye         11.12           Larlomkinskoye         5.12           Lontyn'yakhskoye         16.14           Lower Tabaganskoye         20.85           Maloichskoye         35.3           Moleselovskoye Vostochnoye         50.57           Mezhovskoye Vostochnoye         50.57           Mezhovskoye Vostochnoye         9.53           Moiseyevskoye Zapadnoye         9.53 <td>18.50</td> <td>100.29</td> <td>3.11</td> | 18.50         | 100.29        | 3.11       |
| Igol'sko-Talovoye       143.75         Kalchinskoye       33.07         Kalchinskoye Severnoye       11.12         Kalinovoye Severnoye       30.39         Kalinovoye Vostochnoye       0.22         Kalinovoye Vostochnoye       0.22         Kalinovoye Vostochnoye       0.47         Karasevskoye Severnoye       10.47         Karasevskoye Zapadnoye       11.12         Karasevskoye Zapadnoye       17.97         Karasyskoye       25.11         Katyl'ginskoye Zapadnoye       17.37         Katyl'ginskoye Zapadnoye       150.91         Kazanskoye       150.91         Kazanskoye       150.28         Larlominskoye Vostochnoye       34.22         Krapivinskoye Severnoye       11.12         Larlomkinskoye       5.12         Lontyn'yakhskoye       16.14         Lower Tabaganskoye       20.85         Maloichskoye       19.4         Mezhovskoye Vostochnoye       50.57         Mezhovskoye Vostochnoye       9.53         Moiseyevskoye Zapadnoye       29.25         Multanovskoye       41.91         Nalim'yeskoye       17.26         Nizhne Tabaganskoye       11.12         N  | 1.55          |               |            |
| Kalchinskoye33.07Kalchinskoye Severnoye11.12Kalinovoye Severnoye30.39Kalinovoye Vostochnoye0.22Kalinovoye Vostochnoye191.60Z,'Karasevskoye SevernoyeKarasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karasyskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye150.28Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nory-Tutymskoye11.12Novy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 9.55          |               |            |
| Kalchinskoye Severnoye11.12Kalinovoye Severnoye30.39Kalinovoye Vostochnoye0.22Kalinovoye Vostochnoye191.60Z,Karasevskoye SevernoyeKarasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karasyskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye150.28Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Nory-Tutymskoye11.12Nory-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 31.77         |               |            |
| Kalinovoye Severnoye30.39Kalinovoye Vostochnoye0.22Kalinovoye191.60Karasevskoye Severnoye10.47Karasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karayskoye Zapadnoye17.97Karayskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Karayskoye150.91Kazanskoye150.28Krapivinskoye Severnoye17.31Krapivinskoye Severnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.12Nalim'yeskoye11.12Noisyevskoye11.58Nizhni Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 5.52          |               |            |
| Kalinovoje Vostochnoye0.22Kalinovoje191.602,1Karasevskoye Severnoye10.47Karasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karayskoye Zapadnoye17.97Karayskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye150.28Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 9.82          |               | <u> </u>   |
| Kalinovoye       191.60       2,         Karasevskoye Severnoye       10.47         Karasevskoye Zapadnoye       11.12         Karasevskoye Zapadnoye       17.97         Karayskoye       25.11         Katyl'ginskoye Zapadnoye       21.37         Katyl'ginskoye Zapadnoye       21.37         Katyl'ginskoye Zapadnoye       21.37         Katyl'ginskoye Zapadnoye       34.22         Krapivinskoye Vostochnoye       34.22         Krapivinskoye Severnoye       17.31         Krapivinskoye Vostochnoye       150.28         Larlomkinskoye       16.14         Lower Tabaganskoye       20.85         Maloichskoye       19.27         Moiseyevskoye Vostochnoye       50.57         Mezhovskoye Vostochnoye       9.53         Moiseyevskoye Zapadnoye       29.25         Multanovskoye       11.91         Nalim'yeskoye       11.12         Nizhne Tabaganskoye       11.12         Nizhne Tabaganskoye       11.12         Nizhne Tabaganskoye       11.12         Nizhne Tabaganskoye       11.12         Nizhniy Keumskoye       11.12         Nizhniy Keumskoye       11.12         Novyy-Tutymskoye       11   | 12.40         | 533.59        | 28.71      |
| Karasevskoye Severnoye10.47Karasevskoye Zapadnoye11.12Karasevskoye Zapadnoye17.97Karayskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye150.28Krapivinskoye Vostochnoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.4Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye17.26Nizhne Tabaganskoye11.158Nizhne Tabaganskoye11.12Nalim'yeskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 0.10          |               |            |
| Karasevskoye (Tomsk)30.89Karasevskoye Zapadnoye11.12Karayskoye Zapadnoye17.97Karayskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye17.31Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye29.25Multanovskoye17.26Nizhne Tabaganskoye11.12Nalim'yeskoye11.12Nalim'yeskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 912.44        | 455.90        | 17.49      |
| Karasevskoye Zapadnoye11.12Karayskoye Zapadnoye17.97Karayskoye Zapadnoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye34.22Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye11.22Multanovskoye11.22Nalim'yeskoye11.58Nizhne Tabaganskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 3.96          |               |            |
| Karayskoye Zapadnoye17.97Karayskoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye Zapadnoye150.91Kazanskoye150.91Kazanskoye34.22Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Severnoye17.31Krapivinskoye Yuzhnoye11.12Larlomkinskoye Yuzhnoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye19.4Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.58Nizhni Yeskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 11.68         |               |            |
| Karayskoye25.11Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye150.91Kazanskoye150.91Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Severnoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye11.12Noiryy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 9.82          |               |            |
| Katyl'ginskoye Zapadnoye21.37Katyl'ginskoye150.91Kazanskoye150.91Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Severnoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Vostochnoye9.53Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye11.58Nizhni Yeskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 6.79          |               |            |
| Katyl'ginskoye150.91KazanskoyeXrapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye119.27Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye17.26Nizhne Tabaganskoye11.58Nizhni Yeskoye11.12Olen'yeskoye Severnoye27.24   | 6.23          |               |            |
| KazańskoyeKrapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye11.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 4.86          |               |            |
| Krapivinskoye Vostochnoye34.22Krapivinskoye Severnoye17.31Krapivinskoye Severnoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye11.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 35.13         |               |            |
| Krapivinskoye Severnoye17.31Krapivinskoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye11.12Noiryy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   |               | 1,702.66      | 26.35      |
| Krapivinskoye150.28Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 5.99          |               |            |
| Larlominskoye Yuzhnoye11.12Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 3.25          |               |            |
| Larlomkinskoye5.12Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 50.50         |               |            |
| Lontyn'yakhskoye16.14Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye Zapadnoye9.53Moiseyevskoye Zapadnoye29.25Multanovskoye11.21Nalim'yeskoye11.28Nizhne Tabaganskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 9.82          |               |            |
| Lower Tabaganskoye20.85Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye27.24  | 1.33          |               |            |
| Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 3.44          |               |            |
| Maloichskoye36.10Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 129.04        | 55.73         | 1.63       |
| Maloveselovskoye1.94Mezhovskoye Vostochnoye50.57Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 12.18         |               |            |
| Mezhovskoye Vostochnoye50.57Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 0.35          |               |            |
| Mezhovskoye119.27Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 20.74         |               |            |
| Moiseyevskoye Zapadnoye9.53Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 36.85         |               |            |
| Moiseyevskoye29.25Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 3.60          |               |            |
| Multanovskoye41.91Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 6.58          |               |            |
| Nalim'yeskoye17.26Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 15.84         |               |            |
| Nizhne Tabaganskoye111.58Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24   | 6.53          |               |            |
| Nizhniy Keumskoye11.12Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 42.14         |               |            |
| Novyy-Tutymskoye11.12Olen'yeskoye Severnoye27.24  | 9.82          |               |            |
| Olen'yeskoye Severnoye 27.24  | 9.82          |               |            |
|   | 11.47         |               |            |
|   | 351.80        |               |            |
| Ozernoye (Tomsk) 15.77  | 8.12          |               |            |
| Pavlovskoye (Tomsk) 18.16   | 16.03         |               |            |
| Pervomayskoye (Tomsk) 108.85  | 28.19         |               |            |
|   | 28.19<br>9.82 |               |            |
| Polun'yakhskoye11.12Pon'zhevoye4.37   | 9.82<br>0.59  |               |            |

#### Table 16D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Kaymysov Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                          | Ultimate  | Associated-       | Nonassociated |            |
|--------------------------|-----------|-------------------|---------------|------------|
|                          | Crude Oil | Disolved Gas      | Gas           | Condensate |
|                          | (million  | (billion (billion | (million      |            |
| Field Name               | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Poselkovoye              | 6.14      | 1.38              |               |            |
| Rakitinskoye             | 148.49    | 28.21             |               |            |
| Shirotnoye               | 47.32     | 17.89             |               |            |
| Smolyanoye               | 6.43      | 2.43              |               |            |
| Solonovskoye             | 10.60     | 4.45              |               |            |
| Stolbovoye               | 82.71     | 23.16             |               |            |
| Tabaganskoye Yuzhnoye    | 4.71      | 2.22              |               |            |
| Tagayskoye               | 152.48    | 25.62             |               |            |
| Tambayeyskoye Yuzhnoye   | 2.76      | 1.02              |               |            |
| Tarskoye Vostochnoye     | 1.60      | 0.71              |               |            |
| Tay-Das Vostochnoye      | 11.12     | 9.82              |               |            |
| Tay-Das (Dasskoye)       | 3.94      | 1.49              |               |            |
| Taylakovskoye            | 15.23     | 5.76              |               |            |
| Travyanoye               | 49.65     | 9.82              |               |            |
| Tukanskoye               | 226.04    | 85.44             |               |            |
| Urmanskoye               | 225.63    | 85.29             |               |            |
| Urnenskoye               | 16.32     | 10.41             |               |            |
| Usanovskoye              | 63.40     | 23.97             |               |            |
| Verkhnetarskoye          | 49.06     | 29.59             |               |            |
| Veselovskoye             |           |                   | 18.03         | 0.29       |
| Vesennee                 | 9.63      | 2.77              |               |            |
| Vesenneye Zapadnoye      | 11.12     | 9.82              |               |            |
| Vostochnoye(Novosibirsk) | 31.90     | 28.17             |               |            |
| Yagyl'yakhskoye          | 11.12     | 9.82              |               |            |
| Yelleyskoye(Yelley)      | 0.56      | 0.21              |               |            |
| Yutymskoye Severnoye     | 2.00      | 1.00              |               |            |
| TOTAL                    | 4,812.24  | 4,488.92          | 3,662.94      | 77.59      |

Table 16D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Kaymysov Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| Latitude<br>Field Name         Latitude<br>(degrees)         Latitude<br>(degrees)         Discovery<br>Date         Product           Ariolskoye         61.34         78.52         1992         Sl         Oil           Chebachyeskoye         60.62         78.83         1966         DV         Oil           Chebachyeskoye         59.69         78.74         1977         PS         Oil           Chkalovskoye         59.69         78.74         1977         PS         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1988         Sl         Oil           Enitorskoye (Yormsk)(Aykagol'skoye)         58.28         77.28         1967         Sl         Oil           Garsboroye         60.54         78.83         1987         Sl         Oil           Garsboroye         61.05         78.83         1990         Sl         Oil           Ininskoye (Tomsk)         68.84         77.52         1976         PS         Oil           Khokhnyakovskoye (Tomsk)         63.63         79.52         1976         PS         Oil           Kohknyakovskoye (Tomsk)         63.63         77.50         1986         Sl         Oil           Kohknyakovskoye (Tomsk)         60   | (Sorted Alphabetically by Field Name) |           |           |            |          |            |  |  |
|---|---------------------------------------|-----------|-----------|------------|----------|------------|--|--|
| Field Name         (degrees)         Date         Status         Product           Ariolskoye         61.34         78.52         1992         SI         Oil           Chebachyeskoye         60.62         78.83         1966         DV         Oil           Chebachyeskoye         59.69         76.85         1970         SI         Oil           Chreamshanskoye Yuzhnoye         51.52         78.83         1982         SI         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1988         SI         Oil           Festivalnoye (Yuzhno         58.20         77.28         1967         SI         Oil           Gorstovoye         60.54         78.36         1987         SI         Oil           Gorstovoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye Sevemoye         62.04         75.53         1968         PP         Oil           Klokuchonye         61.34         79.16         1971         DV         Oil           Kohkryakovskoye Cromsky         58.84         77.53         1968         PP         Oil           Kohkryakovskoye Cromsky         60.37         78.74         1982   |                                       | North     | East      | <b>D</b> . | D. I. J. | <b>D</b> . |  |  |
| Ariolskoye         61.34         78.52         1992         SI         Oil           Chebachyeskoye         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         58.90         76.85         1970         SI         Oil           Chalovskoye         61.52         78.93         1982         SI         Oil           Enitorskoye         61.40         78.97         1988         SI         Oil           Enitorskoye Yuzhnoye         65.20         77.28         1971         SI         Oil           Gorstovoye         60.54         78.33         1982         SI         Oil           Grushavoye         53.38         77.13         1987         SI         Oil           Khokhnyakovskoye Gevernoye         61.05         78.83         1990         SI         Oil           Khokhnyakovskoye Tornsk)         58.84         77.53         1968         PP         Oil           Kolknyakovskoye Tornsk)         63.63         77.50         1986         SI         Oil           Kolkuchonoye         58.68         77.50         1986         SI         Oil           Kondinskoye Vostochnoye         1987         SI  | Field News                            |           |           | •          | -        |            |  |  |
| Chebachyeskoye         60.62         78.83         1966         DV         Oil           Cheremshanskoye Yuzhnoye         58.90         76.85         1970         SI         Oil           Chkalovskoye         61.52         78.93         1982         SI         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1988         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.28         77.28         1971         SI         Oil           Gorstovoye         60.54         78.83         1987         SI         Oil           Gorstovoye         69.38         77.13         1987         SI         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Khokhryakovskoye (Tomsk)         68.84         77.53         1968         PD         Oil           Kolikyeganskoye         61.07         79.22         1987         SI         Oil           Kolikyeganskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondinskoye Vostochnoye          1987         SI         Oil         SI         Oil           Kondinskoye Vostochnoy  | Field Name                            | (degrees) | (degrees) | Date       | Status   | Product    |  |  |
| Chebachyeskoye         60.62         78.83         1966         DV         Oil           Charemshanskoye Yuzhnoye         58.90         76.85         1970         SI         Oil           Chkalovskoye         61.52         78.93         1982         SI         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1988         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.28         77.28         1971         SI         Oil           Gorstovoye         60.54         78.36         1987         SI         Oil           Grushevoye         59.38         77.13         1987         SI         Oil           Khokhyakovskoye Severnoye         61.05         78.83         1990         SI         Oil           Khokhyakovskoye (Tomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye         61.07         79.22         1987         SI         Oil           Kondinskoye Vostochnoye         59.08         77.83         1965         SI         Oil           Kondinskoye Vostochnoye         58.2  | Ariolskove                            | 61 34     | 78 52     | 1992       | SI       | Oil        |  |  |
| Cheremshanskove Yuzhnoye         58.90         76.85         1970         SI         Oil           Chkalovskoye         59.69         78.74         1977         PS         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1982         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.28         77.28         1971         SI         Oil           Gorstovoye         60.54         78.36         1987         SI         Oil           Gorstovoye         61.05         78.83         1990         SI         Oil           Ininskoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klokhryakovskoye Gromsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye (Tomsk)         68.84         77.50         1986         SI         Oil           Kolikyeganskoye Vostochnoye         1991         SI         Oil         Kolikyeganskoye         Oil           Kondikskov Vastochnoye         59.28         77.04         1987         SI         Oil           Kondikskoye Zapadnoye   |                                       |           |           |            |          |            |  |  |
| Chkalovskoye         59.69         78.74         1977         PS         Oil           Enitorskoye         61.52         78.93         1982         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.28         77.28         1971         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.20         77.28         1987         SI         Oil           Gorstovoye         60.54         78.36         1987         SI         Oil           Gorstovoye         61.05         78.83         1990         SI         Oil           Ininskoye         61.05         78.83         1990         SI         Oil           Khokhnyakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klyuchevskoye (Tomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil         Kolikyeganskoye Vostochnoye         1987         SI         Oil           Kodikyeganskoye Vostochnoye         1991         SI         Oil         Kolitko-Vakhskoye         61.07         79.22         1987         PS         Oil           Kondinskoye Vostochnoye   |                                       |           |           |            |          |            |  |  |
| Enitorskoye         61.52         78.93         1982         SI         Oil           Enitorskoye Yuzhnoye         61.40         78.97         1988         SI         Oil           Festivalnoye (Tomsk)(Aykagol'skoye)         58.28         77.28         1971         SI         Oil           Gorstovoye         60.54         78.36         1987         SI         Oil           Gorstovoye         61.05         78.83         1990         SI         Oil           Ininskoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klokurpaskosye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil         Oil         Kodikveganskoye         Oil           Kondakovskoye (Tomsk)         60.01         77.76         1986         SI         Oil           Kranoyarskoye Zapadnoye         58.20         78.87         1967         PP         Gas           Luginetskoye   |                                       |           |           |            |          |            |  |  |
| Enitorskove Yuzhnoye         61.40         78.97         1988         SI         Oii           Festivalnoye (Tomsk) (Aykagol'skoye)         58.20         77.28         1971         SI         Oii           Gorstovoye         60.54         78.36         1987         SI         Oii           Gorstovoye         61.53         79.39         1972         PS         Oii           Khokhryakovskoye         61.53         79.39         1972         PS         Oii           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oii           Klyuchevskoye (Tomsk)         58.84         77.53         1968         PP         Oii           Kolikyeganskoye Vostochnoye         1987         SI         Oii         Oii         Koidwoskoye (Tomsk)         60.37         78.74         1982         SI         Oii           Kondinskoye Vostochnoye         1987         SI         Oii         Oii         Kondinskoye Vostochnoye         1987         SI         Oii           Koshitsko-Vakhskoye         61.07         79.22         1987         SI         Oii           Kondinskoye Zapadnoye         59.28         77.64         1988         SI         Oii   |                                       |           |           |            |          |            |  |  |
| Festivalnoye (Tomsk)(Aykagol'skoye)       58.28       77.28       1971       SI       Oil         Festivalnoye Yuzhno       58.20       77.28       1969       SI       Oil         Grustovoye       60.54       78.36       1987       SI       Oil         Ininskoye       61.05       78.83       1990       SI       Oil         Khokhryakovskoye       61.53       79.39       1972       PS       Oil         Khokhryakovskoye Severnoye       62.04       79.52       1976       PS       Oil         Khokhryakovskoye (Tomsk)       58.84       77.53       1968       PP       Oil         Kolikyeganskoye       61.37       78.74       1982       SI       Oil         Kolikyeganskoye (Tomsk)       60.37       78.74       1982       SI       Oil         Kondakovskoye (Tomsk)       60.37       78.73       1965       SI       Oil         Kondinskoye Vostochnoye       1987       PS       Oil       Kikoshiksko-Vakhskoye       SI       Oil         Kondakovskoye (Tomsk)       60.01       77.76       1987       SI       Oil         Kasanoyarskoye Zapadnoye       58.25       78.87       1967       PP       Oil   |                                       |           |           |            |          |            |  |  |
| Festivalnoye Yuzhno       58.20       77.28       1969       SI       Oil         Gorstovoye       60.54       78.36       1987       SI       Oil         Grushevoye       61.05       78.83       1990       SI       Oil         Ininskoye       61.05       78.83       1990       SI       Oil         Khokhryakovskoye Severnoye       62.04       79.52       1976       PS       Oil         Khokhryakovskoye Severnoye       61.34       79.16       1971       DV       Oil         Kolkyeganskoye Vostochnoye       1387       SI       Oil       Kolkyeganskoye Vostochnoye       1987       SI       Oil         Kondinskoye Vostochnoye       1991       SI       Oil       Koahlskoeye Vostochnoye       1991       SI       Oil         Koahlskoeye Vostochnoye       1991       SI       Oil       Oil       Krasnoyarskoye Zapadnoye       59.08       77.83       1965       SI       Oil         Koahlskoeye Zapadnoye       59.28       77.04       1970       PP       Oil         Luginetskoye Zapadnoye       58.25       78.87       1967       PE       Gas         Luginetskoye Zapadnoye       58.51       78.15       1967 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>   |                                       |           |           |            |          |            |  |  |
| Gorstovoye         60.54         78.36         1987         SI         Oil           Grushevoye         59.38         77.13         1987         SI         Oil           Ininskoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Khokhryakovskoye (Tomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye Vostochnoye         1887         SI         Oil         Oil           Koldkovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondakovskoye (Tomsk)         60.37         77.83         1965         SI         Oil           Kondakovskoye (Tomsk)         60.01         77.76         1988         SI         Oil           KrasnoyarskoyeZapadnoye         58.25         78.87         1967         PP         Oil           Luginetskoye         58.25         78.81         1967         PP         Oil           Miroye         57.67         79.50         1987         SI         Oil           Miroye         57.67         79.50         1982  |                                       |           |           |            |          |            |  |  |
| Grushevóye         59.38         77.13         1987         SI         Oil           Ininskoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye         61.05         79.39         1972         PS         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klyuchevskoye (Tomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil         Kodakoskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondakoskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Krasnogarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Krasnogarskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Minoye         57.67         79.50         1982         SI   |                                       |           |           |            |          |            |  |  |
| Ininskoye         61.05         78.83         1990         SI         Oil           Khokhryakovskoye Severnoye         61.53         79.39         1972         PS         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klokkryakovskoye (Tomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil         Kodatkovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondinskoye Vostochnoye         61.07         79.22         1987         PS         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.28         77.04         1970         PP         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.74         79.50         1982         SI         Oil           Mirnoye         57.67         79.50         1982  |                                       |           |           |            |          |            |  |  |
| Khokhryakovskoye         61.53         79.39         1972         PS         Oil           Khokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klokhryakovskoye Severnoye         62.04         79.52         1976         PS         Oil           Klokyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye         061.34         79.16         1971         DV         Oil           Kolikyeganskoye         Votochnoye         1987         SI         Oil           Kondakovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondinskoye Vostochnoye         1991         SI         Oil         Kraanoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Krasnoyarskoye Zapadnoye         58.20         78.87         1967         PP         Oil           Luginetskoye Zapadnoye         58.20         78.87         1987         SI         Oil           Minoye         57.67         79.50         1982         SI         Gas           Mykhorskoye         61.31         77.53         1985         SI         Oil<  |                                       |           |           |            |          |            |  |  |
| Khokhryakovskove Severnoye         62.04         79.52         1976         PS         Oil           Klyuchevskove (Tornsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskove         61.34         79.16         1971         DV         Oil           Kolikyeganskove Vostochnove         1987         SI         Oil         Oil           Kolotuchnove         58.68         77.50         1986         SI         Oil           Kondinskove Vostochnove         1991         SI         Oil         Oil           Kondinskove Vostochnove         1991         SI         Oil         Oil           Kondinskove Vostochnove         1991         SI         Oil         Oil           Krasnovarskove Zapadnove         59.08         77.83         1965         SI         Oil           Kulveganskove(Tornsk)         60.01         77.76         1988         SI         Oil           Luginetskoye         58.25         78.87         1967         PP         Oil           Minoye         58.20         78.88         1990         SI         Oil           Minoye         58.74         78.73         1961         SI         Oil <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>  |                                       |           |           |            |          |            |  |  |
| Klyuchévskoye (Ťomsk)         58.84         77.53         1968         PP         Oil           Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil           Kolotuchnoye         58.68         77.50         1986         SI         Oil           Kondixovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Kushilsko-Vakhskoye         60.01         77.76         1988         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         60.07         78.73         1961         SI <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>  |                                       |           |           |            |          |            |  |  |
| Kolikyeganskoye         61.34         79.16         1971         DV         Oil           Kolikyeganskoye Vostochnoye         1987         SI         Oil           Kolotuchnoye         58.68         77.50         1986         SI         Oil           Kondakovskoye         (Tomsk)         60.37         78.74         1982         SI         Oil           Kondakovskoye         (Tomsk)         60.37         78.74         1987         SI         Oil           Kondakovskoye         (Tomsk)         60.37         79.22         1987         PS         Oil           Konskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye         58.26         78.88         1990         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Myldzhinskoye Yuzhnoye         58.71         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>   |                                       |           |           |            |          |            |  |  |
| Kolikyeganskove Vostochnoye         1987         SI         Oil           Kolotuchnoye         58.68         77.50         1986         SI         Oil           Kondakovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondinskove Vostochnoye         1991         SI         Oil         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Loginetskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye Yuzhnoye         58.51         78.73         1961         SI         Oil           Nazinskoye Yuzhnoye         58.42         78.83         1975         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>                                     |                                       |           |           |            |          |            |  |  |
| Kolotuchnoye         58.68         77.50         1986         SI         Oil           Kondakovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Koshilskove Vostochnoye         1991         SI         Oil         Koshilskove         SI         Oil           Koshilskove Vostochnoye         61.07         79.21         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Luginetskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskove Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Oil         Minoye           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Mydzhinskoye Yuzhnoye         58.51         78.73         1964         DV         Gas           Mykldzhinskoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'  |                                       | 61.34     | 79.16     |            |          |            |  |  |
| Kondakovskoye (Tomsk)         60.37         78.74         1982         SI         Oil           Kondinskoye Vostochnoye         1991         SI         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Luginetskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         61.31         77.53         1985         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Myldzhinskoye Yuzhnoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Tyuhnoye         58.51         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tumen)         61.45         77.58  | Kolikyeganskoye Vostochnoye           |           |           |            |          |            |  |  |
| Kondinskoye Vostochnoye         1991         SI         Oil           Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Lomovoye         59.28         77.04         1970         PP         Oil           Luginetskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Mirnoye         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Miroye         58.51         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971   |                                       |           | 77.50     |            |          |            |  |  |
| Koshilsko-Vakhskoye         61.07         79.22         1987         PS         Oil           Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Lomovoye         59.28         77.04         1970         PP         Gas           Luginetskoye         58.25         78.87         1987         SI         Oil           Malo Kolikyeganskoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Miroye         58.71         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         68.51         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         SI         Oil           Nikol'skoye (Tyumen)         60.76         78.50   | Kondakovskoye (Tomsk)                 | 60.37     | 78.74     | 1982       |          | Oil        |  |  |
| Krasnoyarskoye Zapadnoye         59.08         77.83         1965         SI         Oil           Kulyeganskoye(Tomsk)         60.01         77.76         1988         SI         Oil           Lomovoye         59.28         77.04         1970         PP         Oil           Luginetskoye Zapadnoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykldzhinskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye Yuzhnoye         58.51         78.73         1961         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Okteurskoye Yuzhnny         60.76         78.50  | Kondinskoye Vostochnoye               |           |           | 1991       | SI       | Oil        |  |  |
| Kulyeganskove(Tomsk)         60.01         77.76         1988         SI         Oil           Lomovoye         59.28         77.04         1970         PP         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Mirnoye         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myklorskoye         61.31         77.53         1985         SI         Oil           Mykldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye Vuzhnoye         58.42         78.83         1975         SI         Oil           Oktheurskoye Vostochnoye         1994         SI         Oil         Oktheurskoye Yuzhnny         60.76         78.50         1990 <td< td=""><td>Koshilsko-Vakhskoye</td><td>61.07</td><td>79.22</td><td>1987</td><td>PS</td><td>Oil</td></td<> | Koshilsko-Vakhskoye                   | 61.07     | 79.22     | 1987       | PS       | Oil        |  |  |
| Lomovoye         59.28         77.04         1970         PP         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye Yuzhnoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Oktheurskoye Vostochnoye         1994         SI         Oil         Oil         Ostaninskoye Severnoye         57.70         79.37         1970         DV         Gas<   | Krasnoyarskoye Zapadnoye              | 59.08     | 77.83     | 1965       | SI       | Oil        |  |  |
| Lomovoye         59.28         77.04         1970         PP         Oil           Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil         Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye Yuzhnoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Yumen)         61.45         77.58         1985         PS         Oil           Oktheurskoye Vostochnoye         1994         SI         Oil         Oil         Oil   | Kulyeganskoye(Tomsk)                  | 60.01     | 77.76     | 1988       | SI       | Oil        |  |  |
| Luginetskoye         58.25         78.87         1967         PP         Gas           Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.73         1961         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye Vostochnoye         1994         SI         Oil         Oil           Oktheurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye Severnoye         57.71         79.37         1970         DV         Gas </td <td></td> <td>59.28</td> <td>77.04</td> <td>1970</td> <td>PP</td> <td>Oil</td>                             |                                       | 59.28     | 77.04     | 1970       | PP       | Oil        |  |  |
| Luginetskoye Zapadnoye         58.20         78.88         1990         SI         Oil           Malo Kolikyeganskoye         1987         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Okteurskoye Yuzhnoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.73         79.04         1972  |                                       | 58.25     | 78.87     | 1967       | PP       | Gas        |  |  |
| Malo Kolikyeganskoye         1987         SI         Oil           Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye Vostochnoye         994         SI         Oil         Oil         Okteurskoye Vostochnoye         0il           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Oktheurskoye Severnoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Zapadnoye         57.64         79.68         1985         SI         Oil           Permyakovskoye         58.97         77.27 </td <td></td> <td></td> <td></td> <td></td> <td>SI</td> <td></td>                                     |                                       |           |           |            | SI       |            |  |  |
| Mirnoye         57.67         79.50         1982         SI         Gas           Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye Vostochnoye         1994         SI         Oil         Oil           Oktheurskoye Vostochnoye         1994         SI         Oil           Oktheurskoye Severnoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.73         79.04         1972         PS         Oil           Ostaninskoye Zapadnoye         57.64         79.68         1985         SI         Oil           Pindzhinskoye         58.97         77.27         SI         Oil   |                                       |           |           |            |          |            |  |  |
| Mykhlorskoye         61.31         77.53         1985         SI         Oil           Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil           Oktheurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS  |                                       | 57.67     | 79.50     |            |          |            |  |  |
| Myldzhinskoye         58.74         78.44         1964         DV         Gas           Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68  |                                       |           |           |            |          |            |  |  |
| Myldzhinskoye Yuzhnoye         58.51         78.15         1967         SI         Oil           Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye Severnoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         58.97   |                                       |           |           |            |          |            |  |  |
| Nazinskoye Yuzhnoye         60.07         78.73         1961         SI         Oil           Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye Severnoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Ostaninskoye Zapadnoye         57.64         79.68         1985         SI         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25   |                                       |           |           |            |          |            |  |  |
| Nikol'skoye (Tomsk)         59.97         79.05         1971         SI         Oil           Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.73         79.04         1972         PS         Oil           Ostaninskoye Zapadnoye         57.64         79.68         1985         SI         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         60.65         78.33         1978   |                                       |           |           |            |          |            |  |  |
| Nikol'skoye (Tyumen)         61.45         77.58         1985         PS         Oil           Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         Oil           Okhteurskoye Vostochnoye         60.76         78.50         1990         SI         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.73         79.04         1972         PS         Oil           Ostaninskoye Zapadnoye         57.64         79.68         1985         SI         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         60.08         78.25         1967         PS         Oil           Poludennoye (Tomsk)         60.65         78.33         1978         SI         Oil           Protochnoye         60.65         78.23  |                                       |           |           |            |          |            |  |  |
| Nizhne-Tobolyanskoye         58.42         78.83         1975         SI         Oil           Okhteurskoye Vostochnoye         1994         SI         Oil         0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |                                       |           |           |            |          |            |  |  |
| Okhteurskoye Vostochnoye         1994         SI         Oil           Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.71         79.29         1977         SI         Oil           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         60.65         78.33         1978         SI         Oil           Protochnoye         60.65         78.33         1979         SI         Oil  |                                       |           |           |            |          |            |  |  |
| Okhteurskoye Yuzhnny         60.76         78.50         1990         SI         Oil           Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.91         79.29         1977         SI         Oil           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Ostaninskoye Zapadnoye         57.64         79.55         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         60.65         78.33         1978         SI         Oil           Protochnoye         60.63         78.20         1979         SI         Oil  |                                       | 30.42     | 70.00     |            |          |            |  |  |
| Ostaninskoye         57.70         79.37         1970         DV         Gas           Ostaninskoye Severnoye         57.91         79.29         1977         SI         Oil           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil  |                                       | 60 76     | 78 50     |            |          |            |  |  |
| Ostaninskoye Severnoye         57.91         79.29         1977         SI         Oil           Ostaninskoye Zapadnoye         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil   |                                       |           |           |            |          |            |  |  |
| Ostaninskove Zapadnove         57.73         79.04         1972         PS         Oil           Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         1992         SI         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil  |                                       |           |           |            |          |            |  |  |
| Permyakovskoye         61.34         79.55         1972         PS         Oil           Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         1992         SI         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil   |                                       |           |           |            |          |            |  |  |
| Pindzhinskoye         57.64         79.68         1985         SI         Oil           Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         1992         SI         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil  |                                       |           |           |            |          |            |  |  |
| Pionerskoye         58.97         77.27         SI         Oil           Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         1992         SI         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil  |                                       |           |           |            |          |            |  |  |
| Poludennoye (Tomsk)         60.08         78.25         1967         PS         Oil           Poludennoye Severnoye         1992         SI         Oil           Protochnoye         60.65         78.33         1978         SI         Oil           Protochnoye Severnoye         60.63         78.20         1979         SI         Oil   |                                       |           |           | 1985       |          |            |  |  |
| Poludennoye Severnoye1992SIOilProtochnoye60.6578.331978SIOilProtochnoye Severnoye60.6378.201979SIOil  |                                       |           |           | 4007       |          |            |  |  |
| Protochnoye60.6578.331978SIOilProtochnoye Severnoye60.6378.201979SIOil  |                                       | 60.08     | 78.25     |            |          |            |  |  |
| Protochnoye Severnoye 60.63 78.20 1979 SI Oil   |                                       | 00.07     | 70.00     |            |          |            |  |  |
|   | ,                                     |           |           |            |          |            |  |  |
|   |                                       |           |           |            |          |            |  |  |
|   | Protochnoye Yuzhnoye                  | 60.52     | 78.17     | 1978       | SI       | Oil        |  |  |
| Puglalymskoye         58.89         77.73         1971         SI         Oil   | • • •                                 |           |           |            |          |            |  |  |
| Rechnoye 58.39 77.92 1981 SI Gas  |                                       |           |           |            |          |            |  |  |
| Rybalnoye         58.18         79.83         1988         SI         Oil   |                                       |           |           |            |          |            |  |  |
| Selimkhanovskoye 57.87 80.18 1981 SI Oil  | Selimkhanovskoye                      | 57.87     | 80.18     | 1981       | SI       | Oil        |  |  |

# Table 17D. Basic Field Information, Vasyugan Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                       | North     | East      |           |           |         |
|-----------------------|-----------|-----------|-----------|-----------|---------|
|                       | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name            | (degrees) | (degrees) | Date      | Status    | Product |
| _                     |           |           |           |           | • "     |
| Severnoye             | 60.76     | 78.50     | 1965      | PS        | Oil     |
| Shinginskoye          | 58.31     | 78.49     | 1971      | SI        | Oil     |
| Siktorskoye Severnoye | 62.03     | 79.62     | 1976      | SI        | Oil     |
| Sredne-Vasyuganskoye  | 59.13     | 77.83     | 1965      | PP        | Oil     |
| Srednenyurol'skoye    | 58.92     | 77.87     | 1965      | SI        | Oil     |
| Stavropolskoye        |           |           | 1990      | SI        | Oil     |
| Tul'yeganskoye        | 61.35     | 77.90     | 1983      | SI        | Oil     |
| Tungolskoye           | 60.33     | 80.49     | 1973      | SI        | Oil     |
| Vakh River            |           |           | 1965      | DV        | Oil     |
| Vakhskoye Severnoye   | 60.98     | 78.96     | 1967      | SI        | Oil     |
| Vakhskoye Yuzhnoye    | 60.85     | 78.98     |           | SI        | Oil     |
| Vartovskove           | 60.28     | 79.88     | 1968      | SI        | Oil     |
| Vasyugan Severnoye    | 59.37     | 78.38     | 1964      | PP        | Gas     |
| Verkhne-Salatskove    | 58.48     | 78.04     | 1967      | SI        | Oil     |
| Verkhnekambarskoye    | 57.50     | 80.28     | 1971      | SI        | Gas     |
| Vonterskoye           | 61.75     | 79.13     | 1982      | SI        | Oil     |

# Table 17D. Basic Field Information, Vasyugan Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis. Source: Energy information Administration, Office of Oil and Gas.

| Region, West Siberian Basin (Sorted Alphabetically by Field Name) |           |                   |               |            |  |  |  |
|---|-----------|-------------------|---------------|------------|--|--|--|
|   | Ultimate  |                   | Nonassociated |            |  |  |  |
|   | Crude Oil | Disolved Gas      | Gas           | Condensate |  |  |  |
|   | (million  | (billion (billion | (million      |            |  |  |  |
| Field Name  | barrels)  | cubic feet)       | cubic feet)   | barrels)   |  |  |  |
|   |           |                   |               |            |  |  |  |
| Ariolskoye  | 38.56     | 14.65             |               |            |  |  |  |
| Chebachyeskoye  | 297.55    | 109.80            |               |            |  |  |  |
| Cheremshanskoye Yuzhnoye  | 20.24     | 3.95              |               |            |  |  |  |
| Chkalovskoye  | 23.57     | 15.24             | 221.77        | 4.44       |  |  |  |
| Enitorskoye   | 39.05     | 14.76             |               |            |  |  |  |
| Enitorskoye Yuzhnoye  | 11.17     | 6.87              |               |            |  |  |  |
| Festivalnoye Yuzhnoye   | 7.36      | 2.78              |               |            |  |  |  |
| Festivalnoye (Tomsk)(Aykagol'skoye)                               | 236.55    | 52.08             |               |            |  |  |  |
| Gorstovoye  | 7.67      | 2.39              |               |            |  |  |  |
| Grushevoye  | 28.49     | 7.49              |               |            |  |  |  |
| Ininskoye   | 5.14      | 1.94              |               |            |  |  |  |
| Khokhryakovskoye Severnoye  | 187.28    | 189.23            |               |            |  |  |  |
| Khokhryakovskoye  | 353.42    | 146.32            |               |            |  |  |  |
| Klyuchevskoye (Tomsk)   | 28.82     | 10.66             |               |            |  |  |  |
| Kolikyeganskoye   | 13.24     | 5.01              |               |            |  |  |  |
| Kolikyeganskoye Vostochnoye                                       | 11.17     | 6.87              |               |            |  |  |  |
| Kolotuchnoye  | 293.43    | 110.92            |               |            |  |  |  |
| Kondakovskoye (Tomsk)   | 9.43      | 4.45              |               |            |  |  |  |
| Kondinskoye Vostochnoye   | 11.17     | 6.87              |               |            |  |  |  |
| Koshilsko-Vakhskoye   | 388.68    | 239.04            |               |            |  |  |  |
| Krasnoyarskoye Zapadnoye  | 16.12     | 6.09              |               |            |  |  |  |
| Kulyeganskoye (Tomsk)   | 19.52     | 5.08              |               |            |  |  |  |
| Lomovoye  | 118.92    | 66.41             |               |            |  |  |  |
| Luginets Zapadnoye  | 11.17     | 6.87              |               |            |  |  |  |
| Luginetskoye  |           | o o <del>.</del>  | 386.86        | 11.33      |  |  |  |
| Malo Kolikyeganskoye  | 11.17     | 6.87              | 004 50        | 05.04      |  |  |  |
| Mirnoye   | 0.00      | 4.40              | 861.53        | 25.24      |  |  |  |
| Mykhlorskoye  | 3.89      | 1.10              |               |            |  |  |  |
| Myldzhinskoye Yuzhnoye  | 35.00     | 9.97              | 0.050.04      | 100 55     |  |  |  |
| Myldzhinskoye   |           | 0.70              | 8,959.91      | 199.55     |  |  |  |
| Nazinskoye Yuzhnoye   | 17.75     | 3.73              |               |            |  |  |  |
| Nikol'skoye (Tomsk)   | 9.40      | 2.88              |               |            |  |  |  |
| Nikol'skoye (Tyumen)  | 11.17     | 6.87              |               |            |  |  |  |
| Nizhne-Tobolyanskoye  | 1.13      | 0.12              |               |            |  |  |  |
| Okhteurskoye Vostochnoye  | 11.17     | 6.87              |               |            |  |  |  |
| Okhteurskoye Yuzhnoye   | 24.16     | 8.12              |               |            |  |  |  |
| Ostaninskoye Zapadnoye  | 14.27     | 6.73              |               |            |  |  |  |
| Ostaninskoye Severnoye  | 4.89      | 2.54              | 4 454 00      | FO 40      |  |  |  |
| Ostaninskoye  | 76.80     | 38.55             | 1,451.68      | 52.48      |  |  |  |
| Permyakovskoye  | 150.44    | 30.42             |               |            |  |  |  |
| Pindzhinskoye   | 63.01     | 7.25              |               |            |  |  |  |
| Pionerskoye   | 11.17     | 6.87              |               |            |  |  |  |
| Poludennoye Severnoye   | 11.17     | 6.87              |               |            |  |  |  |
| Poludennoye (Tomsk)   | 74.80     | 18.48             |               |            |  |  |  |
| Protochnoye   | 49.63     | 9.53              |               |            |  |  |  |
| Protochnoye Severnoye   | 2.64      | 0.48              |               |            |  |  |  |
| Protochnoye Yuzhnoye  | 1.76      | 0.32              |               |            |  |  |  |
| Puglalymskoye   | 141.34    | 431.08            |               | 0.44       |  |  |  |
| Rechnoye  | 10 77     | 7 47              | 5.65          | 0.11       |  |  |  |
| Rybalnoye   | 19.77     | 7.47              |               |            |  |  |  |

# Table 18D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Vasyugan Region, West Siberian Basin (Sorted Alphabetically by Field Name)

|                         | Ultimate  | Associated-       | Nonassociated |            |
|-------------------------|-----------|-------------------|---------------|------------|
|                         | Crude Oil | Disolved Gas      | Gas           | Condensate |
|                         | (million  | (billion (billion | (million      |            |
| Field Name              | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Selimkhanovskoye        | 116.57    | 45.08             | 16.38         | 0.48       |
| Severnoye               | 241.61    | 80.63             | 782.87        | 15.54      |
| Shinginskoye            | 12.30     | 5.30              |               |            |
| Siktorskove Severnove   | 49.65     | 46.88             |               |            |
| Sredne-Vasyuganskoye    | 254.82    | 75.53             | 93.65         | 2.74       |
| Srednenyurol'skoye      | 132.64    | 23.88             |               |            |
| Stavropolskoye          | 2.00      | 1.00              |               |            |
| Tul'yeganskoye          | 3.38      | 2.08              |               |            |
| Tungolskoye             | 6.30      | 1.68              |               |            |
| Vakh Severnoye          | 0.71      | 0.27              |               |            |
| Vakh River              | 38.57     | 12.65             |               |            |
| Vakh Yuzhnoye           | 32.01     | 6.80              |               |            |
| Vartovskoye             | 6.03      | 57.51             |               |            |
| Vasyuganskoye Severnoye |           |                   | 390.18        | 1.95       |
| Verkhne-Salatskoye      | 17.19     | 24.95             | 49.35         | 1.45       |
| Verkhnekambarskoye      |           |                   | 932.95        | 18.86      |
| Vonterskoye             | 80.62     | 122.22            |               |            |
| TOTAL                   | 3,918.65  | 2,155.35          | 14,152.78     | 334.17     |

 Table 18D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Vasyugan

 Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

|                        | North     | East      |           |           |         |
|------------------------|-----------|-----------|-----------|-----------|---------|
|                        | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name             | (degrees) | (degrees) | Date      | Status    | Product |
| Beloyarskoye           | 58.68     | 80.06     | 1962      | SI        | Gas     |
| Dvoynoye               | 58.83     | 79.45     | 1986      | SI        | Oil     |
| Kiyevyeganskoye        | 60.11     | 80.84     | 1970      | SI        | Oil     |
| Lineynoye              | 60.57     | 80.50     | 1972      | SI        | Oil     |
| Sil'ginskoye Severnoye | 58.94     | 80.12     | 1971      | SI        | Gas     |
| Snezhnoye              | 58.97     | 79.78     | 1983      | SI        | Oil     |
| Sobolinoye             | 58.46     | 79.53     | 1967      | PP        | Oil     |
| Srednesil'ginskoye     | 58.87     | 80.14     | 1962      | SI        | Gas     |
| Ust'-Sil'ginskoye      | 58.87     | 80.00     | 1961      | SI        | Gas     |
| Varyngskoye            | 62.67     | 80.17     |           | SI        | Oil     |

# Table 19D. Basic Field Information, Paydugan Region, West Siberian Basin (Sorted Alphabetically by Field Name)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

|                        | Ultimate  | Associated-       | Nonassociated |            |
|------------------------|-----------|-------------------|---------------|------------|
|                        | Crude Oil | Disolved Gas      | Gas           | Condensate |
| Field Neme             | (million  | (billion (billion | •             | h emele)   |
| Field Name             | barrels)  | cubic feet)       | cubic feet)   | barrels)   |
| Beloyarskoye           |           |                   | 65.27         | 1.91       |
| Dvoynoye               | 5.01      | 1.89              |               |            |
| Kiyevyeganskoye        | 19.95     | 8.84              |               |            |
| Lineynoye              | 6.77      | 2.10              |               |            |
| Sil'ginskoye Severnoye |           |                   | 244.63        | 7.17       |
| Snezhnoye              | 37.04     | 14.00             |               |            |
| Sobolinoye             | 183.05    | 28.56             |               |            |
| Srednesil'ginskoye     |           |                   | 40.39         | 0.32       |
| Ust'-Sil'ginskoye      |           |                   | 489.43        | 11.26      |
| Varyngskoye            | 97.64     | 36.91             |               |            |
| TOTAL                  | 349.46    | 92.30             | 839.71        | 20.66      |

Table 20D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Paydugan

|                                 | North     | East      |           |           |         |
|---------------------------------|-----------|-----------|-----------|-----------|---------|
|                                 | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                      | (degrees) | (degrees) | Date      | Status    | Product |
|                                 |           |           |           |           |         |
| Achimovskoye (Achimov)          | 60.07     | 75.34     | 1981      | SI        | Oil     |
| Aganskove                       | 61.47     | 76.02     | 1965      | PS        | Oil     |
| Aganskove Yuzhnoye              | 61.30     | 75.88     | 1980      | PS        | Oil     |
| Aganskove Zapadnove             | 61.45     | 77.02     | 1981      | PP        | Oil     |
| Alekhinskoye                    | 62.16     | 71.88     | 1971      | PS        | Oil     |
| Alenkinskove                    | 60.43     | 77.21     | 1964      | SI        | Oil     |
| Asomkinskoye                    | 61.01     | 73.84     | 1981      | PS        | Oil     |
| Asomkinskoye Vostochnoye        | 61.30     | 75.83     | 1990      | SI        | Oil     |
| Asomkinskoye Yuzhnoye           | 60.91     | 73.88     | 1988      | DV        | Oil     |
| Asomkinskoye Zapadnoye          | 60.90     | 73.51     | 1988      | SI        | Oil     |
| Aypim Lobat-Yugan (Ai Pim)      | 62.23     | 71.14     | 1971      | PP        | Oil     |
| Balykskoye Yuzhnoye             | 60.50     | 72.50     | 1964      | PS        | Oil     |
| Bittemskove                     | 61.92     | 71.23     | 1989      | SI        | Oil     |
| Boloshekotukhtinskoye(Kotukhta) | 01.02     | 11.20     | 1972      | SI        | Oil     |
| Bystrinskoye (Bystrin)          | 61.46     | 72.24     | 1964      | PS        | Oil     |
| Chakhloneyskoye                 | 60.52     | 75.80     | 1988      | DV        | Oil     |
| Chernogorskoye                  | 61.50     | 76.67     | 1972      | PP        | Oil     |
| Chistinnoye                     | 59.82     | 75.99     | 1972      | SI        | Oil     |
| Chukhlorskoye                   | 61.87     | 76.53     | 1989      | SI        | OII     |
|                                 | 61.25     | 75.11     | 1989      | PS        | Oil     |
| Chumpaskoye                     | 60.15     | 72.45     | 1979      | PS<br>DV  | Oil     |
| Chupal'skoye                    |           |           |           | SI        |         |
| Chupal'skoye Severnoye          | 60.29     | 72.68     | 1977      |           | Oil     |
| Druzhnoye                       | 62.45     | 74.62     | 1982      | PS        | Oil     |
| Dunayevskoye                    | 61.62     | 73.20     | 1986      | PS        | Oil     |
| Fainskoye                       | 61.10     | 73.75     | 1989      | PP        | Oil     |
| Fedorovskoye                    | 61.39     | 73.12     | 1971      | PS        | Oil     |
| Fobosskoye                      | 60.87     | 77.62     | 1988      | DV        | Oil     |
| Golevoye                        | 61.71     | 76.25     | 1988      | SI        | Oil     |
| Gribnoye                        | 62.56     | 74.86     | 1982      | DV        | Oil     |
| Gun-Yeganskoye                  | 61.62     | 77.44     | 1973      | PS        | Oil     |
| Ikilorskoye                     | 62.11     | 73.93     | 1981      | SI        | Oil     |
| Imlorskoye                      | 63.00     | 73.87     |           | SI        | Oil     |
| Imlorskoye Zpapadnoye           | 62.97     | 73.50     |           | SI        | Oil     |
| Istochnoye                      | 63.17     | 73.83     |           | SI        | Oil     |
| Kamynskoye                      | 62.17     | 71.62     | 1982      | PS        | Oil     |
| Kamynskoye Severnoye            | 62.29     | 70.79     | 1989      | SI        | Oil     |
| Kamynskoye Yuzhnoye             | 61.80     | 70.50     | 1989      | SI        | Oil     |
| Karamovskoye                    | 63.25     | 74.44     | 1975      | PS        | Oil     |
| Karamovskoye Severnoye          | 63.31     | 74.58     | 1975      | PP        | Oil     |
| Karyaunskoye                    | 62.03     | 72.27     | 1980      | SI        | Oil     |
| Kechimovskoye                   | 61.80     | 74.50     |           | SI        | Oil     |
| Kechimovskove Yuzhnove          | 61.17     | 74.37     |           | SI        | Oil     |
| Ketovskoye                      | 60.85     | 75.13     | 1980      | PS        | Oil     |
| Khokhlovskoye                   | 60.90     | 76.25     | 1987      | SI        | Oil     |
| Kholmogoryskoye                 | 62.94     | 74.35     | 1973      | PS        | Oil     |
| Khorlorskove                    | 62.89     | 71.52     | 1993      | SI        | Oil     |
| Khorlorskoye Verkhniy           |           | -         | 1994      | SI        | Oil     |
| Khulymskoye Yuzhnoye            | 64.25     | 70.72     | 1986      | SI        | Oil     |
| Khvoynoye                       | 60.12     | 77.24     | 1984      | PP        | Oil     |
|                                 |           |           |           | SI        |         |
| Kinyaminskoye Yuzhnoye          | 60.37     | 74.92     | 1990      | 51        | Oil     |

# Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name)

| (Sorted Alphabetically by Field Name) (Continued)         |           |           |           |           |         |  |  |
|---|-----------|-----------|-----------|-----------|---------|--|--|
|   | North     | East      |           |           |         |  |  |
|   | Latitude  | Latitude  | Discovery | Producing | Primary |  |  |
| Field Name  | (degrees) | (degrees) | Date      | Status    | Product |  |  |
|   |           |           |           |           |         |  |  |
| Kochevskoye Severnoye                                     | 62.68     | 73.43     |           | PP        | Oil     |  |  |
| Kochevskoye(Tevlin-Konitlor)                              | 62.50     | 73.40     | 1979      | PS        | Oil     |  |  |
| Kogolymskoye  | 62.44     | 73.79     | 1972      | PS        | Oil     |  |  |
| Kogolymskoye Severnoye                                    | 62.74     | 73.86     | 1984      | SI        | Oil     |  |  |
| Kogolymskoye Yuzhnoye                                     | 62.37     | 73.95     | 1972      | SI        | Oil     |  |  |
| Komar'inskoye   | 61.48     | 72.13     | 1971      | PS        | Oil     |  |  |
| Konitlorskoye Severnoye                                   | 62.70     | 72.79     | 1986      | SI        | Oil     |  |  |
| Konitlorskoye Vostochnoye                                 | 62.50     | 72.80     | 1990      | SI        | Oil     |  |  |
| Konitlorskoye Yuzhnoye                                    | 62.15     | 72.83     | 1988      | SI        | Oil     |  |  |
| Konitlorskoye Zapadnoye                                   | 62.26     | 72.54     | 1989      | SI        | Oil     |  |  |
| Konitlorskoye Zapadnoye<br>Konitlorskoye(Tevlin-Konitlor) | 62.50     | 72.80     | 1909      | SI        | Oil     |  |  |
|   | 62.64     | 75.47     | 1972      | SI        | Oil     |  |  |
| Kotukhtaskoye Zapadnoye                                   | 60.83     | 72.50     | 1981      | 31        | Oil     |  |  |
| Kudrinskoye   |           |           | 1990      | SI        |         |  |  |
| Kul'yeganskoye (Tyumen)                                   | 59.99     | 76.17     |           |           | Oil     |  |  |
| Kurraganskoye   | 61.72     | 75.95     | 1980      | SI        | Oil     |  |  |
| Kurraganskoye Yuzhnoye                                    | 61.66     | 75.92     | 1988      | SI        | Oil     |  |  |
| Kustovoye Yuzhnoye  | 62.03     | 74.33     | 1986      | SI        | Oil     |  |  |
| Kvartovoye  | 60.05     | 77.08     | 1974      | SI        | Oil     |  |  |
| Kysomskoye  | 61.50     | 77.17     | 1987      | PP        | Oil     |  |  |
| Larkinskoye   | 62.13     | 72.42     | 1986      | SI        | Oil     |  |  |
| Lasyeganskoye(Pokachev-Ur'yev)                            | 61.50     | 75.00     | 1979      | PS        | Oil     |  |  |
| Ledovoye Severnoye (Tomsk                                 | 59.62     | 76.77     |           | SI        | Oil     |  |  |
| Ledovoye (Tomsk)  | 59.54     | 76.69     | 1972      | SI        | Oil     |  |  |
| Ledyanoye   | 59.66     | 76.15     | 1987      | SI        | Oil     |  |  |
| Lempinskoye Zapadnoye                                     |           |           |           |           |         |  |  |
| (Pravdinsk-Salym)   | 60.83     | 71.42     | 1964      | SI        | Oil     |  |  |
| Lokosovoskoye   | 61.20     | 74.91     | 1963      | PS        | Oil     |  |  |
| Loryeganskoye   | 61.44     | 77.04     | 1980      | PS        | Oil     |  |  |
| Losevoyeskoye   | 62.84     | 71.85     | 1987      | SI        | Oil     |  |  |
| Lyantorskoye (Taybinskoye)                                | 61.54     | 72.11     | 1966      | PS        | Oil     |  |  |
| Malo-Aganskoye Yuzhnoye                                   | 61.45     | 76.02     | 1980      | PP        | Oil     |  |  |
| Malo-Perevalnoye  | 63.25     | 72.62     | 1991      | SI        | Oil     |  |  |
| Malobalykskoye  | 60.48     | 72.25     | 1966      | PS        | Oil     |  |  |
| Malochernogorskoye  | 61.49     | 77.20     | 1969      | PS        | Oil     |  |  |
| Maloklyuchevoye   | 61.59     | 75.83     | 1983      | SI        | Oil     |  |  |
| Malokustovoye   | 62.07     | 74.48     | 1986      | SI        | Oil     |  |  |
| Maloledyanoye   | 59.60     | 76.17     | 1989      | SI        | Oil     |  |  |
| Malopokachevskoye   | 61.81     | 75.19     | 1973      | SI        | Oil     |  |  |
| Malopyakutaskoye  | 63.70     | 73.28     | 1986      | SI        | Oil     |  |  |
| Malorechenskove   | 60.52     | 77.24     | 1965      | PS        | Oil     |  |  |
| Malovat'yeganskoye  | 62.15     | 75.32     | 1984      | PP        | Oil     |  |  |
| Maloyagunskoye  | 62.30     | 74.30     |           | SI        | Oil     |  |  |
| Maloyuganskoye Severnoye                                  | 60.20     | 75.10     |           | SI        | Oil     |  |  |
| Maloyuganskoye  | 60.19     | 75.18     | 1975      | SI        | Oil     |  |  |
| Mamontovskoye(Ust-Balyk)                                  | 61.09     | 72.57     | 1965      | PS        | Oil     |  |  |
| Maslikhovskoye  | 61.70     | 71.64     | 1985      | PS        | Oil     |  |  |
| Matyushkinskoye   | 59.89     | 76.98     | 1969      | SI        | Oil     |  |  |
| Mayskoye  | 60.41     | 72.80     | 1978      | PS        | Oil     |  |  |
| Megionskoye   | 61.13     | 76.00     | 1964      | PS        | Oil     |  |  |
| Minchimkaskoye  | 61.88     | 72.87     | 1969      | SI        | Oil     |  |  |
| Minchimkaskoye Severnaya                                  | 61.92     | 72.67     | 1969      | SI        | Oil     |  |  |
| Minorini Maskoyo Deveniaya                                | 01.32     | 12.01     | 1303      | 0         |         |  |  |

# Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| (Sorted Alphabetically by Field Name) (Continued) |                   |                |                   |                     |                    |  |  |
|---|-------------------|----------------|-------------------|---------------------|--------------------|--|--|
|   | North<br>Latitude | East           |                   | Draduaina           | Drimony            |  |  |
| Field Name  | (degrees)         | Latitude       | Discovery<br>Date | Producing<br>Status | Primary<br>Product |  |  |
|   | (degrees)         | (degrees)      | Dale              | Status              | Floauci            |  |  |
| Mogutlorskoye                                     | 62.03             | 75.82          | 1987              | SI                  | Oil                |  |  |
| Mogutlorskoye Zapadnoye                           | 62.02             | 75.65          | 1986              | PP                  | Oil                |  |  |
| Mokhovoye Vostochnoye                             | 61.88             | 74.34          | 1973              | SI                  | Oil                |  |  |
| Mokhtikovskoye                                    | 60.44             | 76.58          | 1988              | SI                  | Oil                |  |  |
| Mykhpayskoye(Samotlor)                            | 61.20             | 76.60          | 1961              | PS                  | Oil                |  |  |
| Nezhdannoye                                       | 60.43             | 76.87          | 1981              | SI                  | Oil                |  |  |
| Nivagalskoye(Pokachev-Ur'yev)                     | 61.66             | 74.80          | 1968              | PS                  | Oil                |  |  |
| Nizhne-Shapshinskoye                              | 60.50             | 70.33          | 1500              | SI                  | Oil                |  |  |
| Nizhne-Sortymskoye                                | 62.48             | 71.68          | 1974              | PS                  | Oil                |  |  |
| Nizhnevartovskoye                                 | 60.80             | 77.10          | 1965              | PP                  | Oil                |  |  |
| Nong'yeganskoye                                   | 61.89             | 74.86          | 1903              | PS                  | Oil                |  |  |
|   | 61.84             | 74.80          | 1974              | SI                  | Oil                |  |  |
| Nong'yeganskoye Vostochnoye                       |                   |                |                   |                     |                    |  |  |
| Novopokurskoye                                    | 60.75             | 74.50          | 1981              | PS                  | Oil                |  |  |
| Noyabr'skoye Zapadnoye                            | 63.39             | 75.01          | 1987              | PS                  | Oil                |  |  |
| Ob River Area                                     | 04.05             | 70.00          | 1982              | SI                  | Oil                |  |  |
| Ombinskoye  | 61.05             | 72.83          | 1989              | PP                  | Oil                |  |  |
| Orekhovskoye Severnoye                            | 61.00             | 76.23          |                   | SI                  | Oil                |  |  |
| Orekhovoskoye                                     | 60.82             | 75.70          | 1976              | SI                  | Oil                |  |  |
| Osomkinskoye Zapadnoye                            | 61.00             | 73.55          |                   | SI                  | Oil                |  |  |
| Ostrovnoye  | 60.93             | 75.18          | 1980              | SI                  | Oil                |  |  |
| Ostrovnoye Severnoye                              | 61.01             | 74.84          | 1978              | PP                  | Oil                |  |  |
| Ostrovnoye Yuzhnoye                               | 60.75             | 74.92          | 1989              | SI                  | Oil                |  |  |
| Otdelnoye   | 62.93             | 74.86          | 1985              | SI                  | Oil                |  |  |
| Pal'nikovskoye                                    | 64.63             | 72.18          | 1992              | SI                  | Oil                |  |  |
| Pereval'noye Vostochnoye                          | 63.26             | 72.63          | 1990              | SI                  | Oil                |  |  |
| Perevalnoye Yuzhnoye                              |                   |                | 1991              | SI                  | Oil                |  |  |
| Petelinskoye                                      | 60.55             | 71.92          | 1982              | PS                  | Oil                |  |  |
| Pil'tanskove                                      | 61.68             | 73.15          | 1985              | PP                  | Oil                |  |  |
| Pogranichnoye (Tyumen)                            | 62.91             | 75.19          | 1982              | PS                  | Oil                |  |  |
| Pokachevsko-Ur'yevskoye (Akhskoye,                |                   |                |                   |                     |                    |  |  |
| Lasyeganskoye, Nivagalskoye,                      |                   |                |                   |                     |                    |  |  |
| Potochnoye, Potochnoye Severnoye                  |                   |                |                   |                     |                    |  |  |
| Pokachevskoye Yuzhnoye,                           | ,                 |                |                   |                     |                    |  |  |
| Ur'yevskoye)                                      | 61.73             | 75.23          | 1970              | PS                  | Oil                |  |  |
| Pokachevskoye Severnoye                           |                   |                |                   | -                   | -                  |  |  |
| (Pokachev-Ur'yev)                                 | 61.89             | 75.56          | 1980              | PP                  | Oil                |  |  |
| Pokachevskoye Vostochnoye                         | 61.85             | 75.90          | 1980              | SI                  | Oil                |  |  |
| Pokachevskoye Yuzhnoye                            | 01100             | 10.00          | 1000              | 0.                  | 0                  |  |  |
| (Pokachev-Ur'yev)                                 | 61.64             | 75.33          | 1976              | PP                  | Oil                |  |  |
| Pokamasovskoye                                    | 61.20             | 74.39          | 1970              | PS                  | Oil                |  |  |
| Pokamasovskoye Yuzhnoye                           | 61.07             | 74.59          | 1972              | SI                  | Oil                |  |  |
|   | 61.32             | 74.50          |                   | SI                  | Oil                |  |  |
| Pokamasovskoye Zapadnoye                          |                   | 74.40<br>75.50 | 1964              | PS                  | Oil                |  |  |
| Pokurskoye Severskoye                             | 61.20<br>60.54    |                | 1964              |                     |                    |  |  |
| Poludennoye (Tyumen)                              |                   | 76.64          |                   | PP                  | Oil                |  |  |
| Pomaliyakhskoye Severnoye                         | 64.08             | 74.25          | 1989              | PP                  | Oil                |  |  |
| Potochnoye Severnoye(Poka-Ury)                    |                   |                | 1979              | SI                  | Oil                |  |  |
| Potochnoye(Poka-Ury)                              |                   |                | 1974              | SI                  | Oil                |  |  |
| Povkhovskoye                                      | 62.36             | 75.81          | 1972              | PS                  | Oil                |  |  |
| Povkhovskoye Severnoye                            | 62.80             | 76.20          |                   | SI                  | Oil                |  |  |
| Povkhovskoye Yuzhnoye                             | 62.39             | 76.19          | 1972              | SI                  | Oil                |  |  |
| Pravdinsk-Salymskoye                              | 60.94             | 71.78          | 1964              | PS                  | Oil                |  |  |
|   |                   |                |                   |                     |                    |  |  |

# Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| (Sorted Alphabetically I         | by Field Name) | (Continued) |           |           |         |
|----------------------------------|----------------|-------------|-----------|-----------|---------|
|                                  | North          | East        |           |           |         |
|                                  | Latitude       | Latitude    | Discovery | Producing | Primary |
| Field Name                       | (degrees)      | (degrees)   | Date      | Status    | Product |
|                                  |                |             |           |           |         |
| Pridorozhnoye Vostochnoye        | 62.10          | 74.67       |           | SI        | Oil     |
| Promezhutochnoye                 | 61.33          | 71.50       |           | SI        | Oil     |
| Pyakutaskoye                     | 63.74          | 73.10       | 1987      | SI        | Oil     |
| Pyakutaskoye Vostochnoye         | 63.58          | 74.14       | 1982      | DV        | Oil     |
| Pylinskoye                       | 61.05          | 77.54       | 1980      | PP        | Oil     |
| Pylinskoye Zapadnoye             | 61.05          | 77.50       | 1991      | SI        | Oil     |
| Ravenskove                       | 61.90          | 74.17       | 1981      | SI        | Oil     |
| Rodnikovoye                      | 61.73          | 74.25       | 1988      | PP        | Oil     |
| Romanovskoye                     | 63.80          | 73.89       | 1987      | SI        | Oil     |
| Roslavlskoye                     | 62.03          | 76.48       | 1988      | DV        | Oil     |
| Rubinovoye                       | 61.13          | 76.28       | 1982      | PP        | Oil     |
| Ruf'yeganskoye                   | 61.30          | 77.59       | 1982      | PP        | Oil     |
| Russkinskoye(Tevlin-Konit.)      | 01100          |             | 1982      | SI        | Oil     |
| Ryamnoye                         | 60.91          | 76.75       | 1989      | DV        | Oil     |
| Sakhalinskoye (Tyumen)           | 61.41          | 71.03       | 1983      | SI        | Oil     |
| Sakhalinskoye Vostochnoye        | 61.51          | 71.28       | 1984      | SI        | Oil     |
| Salymskoye                       | 60.00          | 71.00       | 1965      | DV        | Oil     |
| Salymskoye Central (Srednesalym) | 60.00          | 71.00       | 1967      | PS        | Oil     |
| Salymskoye Severnny              | 60.00          | 71.00       | 1978      | PS        | Oil     |
| Salymskoye Vostochnoye           | 60.20          | 71.18       | 1978      | SI        | Oil     |
| Salymskoye Zapadnoye             | 60.31          | 70.93       | 1985      | SI        | Oil     |
| Samotlorskoye (Vata, Megion,     | 00.51          | 70.95       | 1907      | 51        |         |
| Pokur Sev.,                      |                |             |           |           |         |
| Mykhpay, Orekhovo Sev.)          | 60.95          | 76.37       | 1961      | PS        | Oil     |
|                                  | 61.72          | 72.18       | 1981      | SI        | Oil     |
| Saporkinskove                    | 62.18          |             |           | SI        | Oil     |
| Sardakovskoye Yuzhnoye           |                | 76.19       | 1989      |           |         |
| Savuyskoye                       | 61.88          | 73.78       | 1971      | PS        | Oil     |
| Saygataskoye                     | 61.27          | 72.89       | 1966      | PS        | Oil     |
| Shapshinskoye                    | 60.40          | 70.30       | 1981      | DV        | Oil     |
| Shchuch'yeskoye                  | 61.79          | 76.88       | 1986      | SI        | Oil     |
| Shirokovskoye                    | 61.39          | 74.05       | 1977      | DV        | Oil     |
| Soimlorskoye Severnoye           | 63.34          | 73.83       | 1981      | DV        | Oil     |
| Sokhtymskoye                     | 62.50          | 72.35       | 1990      | SI        | OII     |
| Solkinskoye Zapadnoye            | 61.35          | 72.42       | 1976      | PP        | Oil     |
| Sorominskoye                     | 61.20          | 77.36       | 1971      | PS        | Oil     |
| Sorominskoye Severnoye           | 61.23          | 77.42       | 1971      | SI        | Oil     |
| Sorominskoye Zapadnoye           | 61.26          | 77.36       | 1971      | SI        | Oil     |
| Sortymskoye                      | 62.40          | 71.70       | 1992      | SI        | Oll     |
| Sorymskoye                       |                |             | 1982      | SI        | Oil     |
| Sovetskoye                       |                |             | 1962      | DV        | Oil     |
| Sredne Khulymskoye               | 64.55          | 71.29       | 1989      | SI        | Oil     |
| Sredne-Iterskoye                 | 63.50          | 74.67       |           | SI        | Oil     |
| Sredne-Shapshinskoye             | 60.67          | 70.33       |           | SI        | Oil     |
| Sredne-Vatlorskoye               | 63.19          | 71.41       | 1988      | SI        | Oil     |
| Sredneasomkinskoye               | 61.00          | 73.00       | 1987      | PS        | Oil     |
| Srednebalykskoye                 | 60.53          | 72.52       | 1965      | PS        | Oil     |
| Srednechernogorskoye             | 61.41          | 76.78       | 1986      | SI        | Oil     |
| Sredneugutskoye                  | 60.50          | 73.97       | 1988      | SI        | Oil     |
| Strezhevoye                      | 60.79          | 77.46       | 1968      | PS        | Oil     |
| Strezhevoye Vostochnoye          |                |             |           | SI        | Oil     |
| Studenoye                        | 61.84          | 70.93       | 1975      | SI        | Oil     |
| -                                |                |             |           |           |         |

## Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| (Sorted Alphabetically by Field Name) (Continued) |           |           |           |           |         |  |  |  |
|---|-----------|-----------|-----------|-----------|---------|--|--|--|
|   | North     | East      |           |           |         |  |  |  |
|   | Latitude  | Latitude  | Discovery | Producing | Primary |  |  |  |
| Field Name  | (degrees) | (degrees) | Date      | Status    | Product |  |  |  |
|   |           |           |           |           |         |  |  |  |
| Sugmutskoye                                       | 63.84     | 73.64     | 1987      | SI        | Oil     |  |  |  |
| Surgutskoye Severnoye                             | 61.74     | 73.44     | 1963      | PS        | Gas     |  |  |  |
| Surgutskoye Vostochnny                            |           |           |           |           |         |  |  |  |
| (Federovo-Surgut)                                 | 61.70     | 73.40     | 1977      | SI        | Oil     |  |  |  |
| Surgutskoye Yuzhnny(Federovo)                     | 61.70     | 73.40     | 1973      | PS        | Oil     |  |  |  |
| Surgutskoye Zapadnoye                             |           |           |           |           |         |  |  |  |
| (Federovo-Surgut)                                 | 61.70     | 73.40     | 1962      | PS        | Oil     |  |  |  |
| Sutorlinskoye                                     | 61.30     | 73.50     | 1975      | DV        | Oil     |  |  |  |
| Taplorskove                                       | 61.92     | 72.67     | 1978      | SI        | Oil     |  |  |  |
| Tarkhovskoye Severnoye                            | 61.17     | 77.20     | 1981      | SI        | Oil     |  |  |  |
| Tarkhovskove Yuzhnove                             | 61.10     | 77.07     | 1981      | SI        | Oil     |  |  |  |
| Tarkhovskove Zapadnove                            | 61.11     | 77.08     | 1987      | SI        | Oil     |  |  |  |
| Taybinskoye (Lyantor)                             | 61.87     | 72.13     | 1968      | SI        | Gas     |  |  |  |
| Teplin-Russkinskoye                               | 62.25     | 73.50     | 1990      | PP        | Oil     |  |  |  |
| Teplovskoye                                       | 60.76     | 72.47     | 1966      | PS        | Oil     |  |  |  |
| Tevlin-Konitlorskoye                              | 62.50     | 73.68     | 1971      | PS        | Oil     |  |  |  |
| Tevlinskoye                                       | 62.51     | 73.65     | 1972      | SI        | Oil     |  |  |  |
| Tochinskoye                                       | 62.18     | 72.25     | 1989      | SI        | Oil     |  |  |  |
| Tonchinskoye                                      | 02110     |           | 1989      | SI        | Oil     |  |  |  |
| Trom-Yeganskoye                                   | 63.00     | 71.86     | 1986      | SI        | Oil     |  |  |  |
| Trom-Yeganskoye Severnoye                         | 63.40     | 71.50     | 1993      | SI        | Oil     |  |  |  |
| Trom-Yeganskoye Vostochnoye                       | 61.37     | 74.57     | 1988      | SI        | Oil     |  |  |  |
| Tundrinskoye                                      | 61.27     | 72.08     | 1981      | SI        | Oil     |  |  |  |
| Tutlimskoye (Tutlimskoye)(Tutlym)                 | 62.05     | 72.07     | 1966      | DV        | Oil     |  |  |  |
| Tyanovskoye                                       | 62.98     | 72.34     | 1986      | DV        | Oil     |  |  |  |
| Tyumenskoye                                       | 61.65     | 77.62     | 1971      | PS        | Oil     |  |  |  |
| Udachnoye   | 60.50     | 71.83     | 1071      | SI        | Oil     |  |  |  |
| Ugutskoye   | 60.49     | 74.13     | 1985      | PS        | Oil     |  |  |  |
| Ugutskoye Zapadnoye                               | 60.46     | 73.73     | 1984      | PP        | Oil     |  |  |  |
| Uryevskoye(-Potochnoye)                           | 00110     | 10110     | 1001      | ••        | 011     |  |  |  |
| (Pokachev-Ur'yev)                                 | 61.42     | 75.45     | 1971      | PS        | Oil     |  |  |  |
| Ust-Balykskoye Zapadnoye                          | 61.10     | 72.35     | 1985      | SI        | Oil     |  |  |  |
| Ust-Balykskoye-Mamontovo                          | 61.09     | 72.57     | 1961      | PS        | Oil     |  |  |  |
| Ust-Kotukhtinskove                                | 62.50     | 76.00     | 1990      | SI        | Oil     |  |  |  |
| Ust-Koyukhtaskoye                                 | 02.00     | 10.00     | 1000      | SI        | Oil     |  |  |  |
| Vachimskoye                                       | 61.81     | 72.62     | 1971      | PS        | Oil     |  |  |  |
| Vadelypskoye                                      | 60.15     | 71.06     | 1989      | SI        | Oil     |  |  |  |
| Vartov-Sovetskoye                                 | 60.81     | 77.09     | 1962      | PS        | Oil     |  |  |  |
| Vartovskoye-Sosinoskoye                           | 60.77     | 77.35     | 1962      | DV        | Oil     |  |  |  |
| Vat'yeganskoye                                    | 62.15     | 75.32     | 1970      | PP        | Oil     |  |  |  |
| Vat'yeganskoye Severnoye                          | 62.40     | 75.30     | 1983      | SI        | Oil     |  |  |  |
| Vat'yeganskoye Yuzhnoye                           | 62.03     | 75.02     | 1971      | DV        | Oil     |  |  |  |
| Vataskoye   | 61.17     | 75.78     | 1071      | SI        | Oil     |  |  |  |
| Vataskoye Severnaya                               | 61.20     | 75.80     | 1980      | PP        | Oil     |  |  |  |
| Vatinskoye  | 61.25     | 75.90     | 1964      | PS        | Oil     |  |  |  |
| Verkhne Nadymskoye                                | 63.40     | 72.88     | 1992      | SI        | Oil     |  |  |  |
| Verkhnesalymskoye                                 | 59.99     | 70.97     | 1966      | DV        | Oil     |  |  |  |
| Verkhneshapshinskoye                              | 60.82     | 70.34     | 1972      | SI        | Oil     |  |  |  |
| Verkhniy Kazymskoye                               | 63.60     | 70.93     | 1972      | SI        | Oil     |  |  |  |
| Vershinnoye                                       | 61.57     | 73.07     | 1964      | DV        | Oil     |  |  |  |
| Vladigorskoye Yuzhnoye                            | 60.50     | 71.50     | 1304      | SI        | Oil     |  |  |  |
|   | 00.00     | 71.00     |           |           |         |  |  |  |

## Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| North East                |           |           |           |           |         |
|---------------------------|-----------|-----------|-----------|-----------|---------|
|                           | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                | (degrees) | (degrees) | Date      | Status    | Product |
| Vyintoyskoye              | 62.90     | 75.78     | 1982      | SI        | Oil     |
| Vyintoyskoye Vostochnoye  | 62.86     | 75.93     | 1989      | SI        | Oil     |
| Vyintoyskoye Yuzhnoye     | 62.80     | 75.80     | 1988      | SI        | Oil     |
| XXVII CPSU Congress       | 60.68     | 74.53     |           | SI        | Oil     |
| Yagunskoye                | 62.36     | 74.32     | 1978      | PS        | Oil     |
| Yagunskoye Severnoye      | 62.70     | 74.45     | 1982      | DV        | Oil     |
| Yagunskoye Vostochnoye    | 62.16     | 74.34     | 1982      | SI        | Oil     |
| Yagunskove Yuzhnoye       | 62.20     | 74.30     | 1979      | PS        | Oil     |
| Yamskove                  | 60.33     | 71.50     |           | SI        | Oil     |
| Yaunlorskoye              | 61.52     | 72.93     | 1967      | PS        | Oil     |
| Yefremovoskoye            | 60.60     | 73.00     | 1989      | PP        | Oil     |
| Yegur'yakhskoye           | 61.72     | 76.40     | 1988      | SI        | Oil     |
| Yegur'yakhskoye Severnoye | 61.77     | 76.31     | 1987      | SI        | Oil     |
| Yegur'yakhskoye Yuzhnoye  | 61.70     | 76.27     | 1990      | SI        | Oil     |
| Yelovoye Vostochnoye      | 61.37     | 74.09     | 1987      | PP        | Oil     |
| Yermakovoskoye            | 60.79     | 76.09     | 1974      | PS        | Oil     |
| Yermakovoskove Severnove  | 60.80     | 76.10     |           | SI        | Oil     |
| Yershovskoye (Tyumen)     | 61.13     | 77.79     | 1979      | PS        | Oil     |
| Yuganskove                |           |           | 1975      | SI        | Oil     |
| Yur'yevskoye Severnoye    | 61.99     | 72.98     | 1988      | SI        | Oil     |
| Yuzhnoye-1                | 60.63     | 75.91     | 1986      | PP        | Oil     |
| Yuzhnoye-2                | 60.62     | 76.01     | 1987      | SI        | Oil     |

# Table 21D. Basic Field Information, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis. Source: Energy information Administration, Office of Oil and Gas.

| Ultimate Associated- Nonassociated        |                 |                   |             |            |  |
|---|-----------------|-------------------|-------------|------------|--|
|   | Crude Oil       | Disolved Gas      | Gas         | Condensate |  |
|   | (million        | (billion (billion | (million    |            |  |
| Field Name                                | barrels)        | cubic feet)       | cubic feet) | barrels)   |  |
|   |                 |                   |             |            |  |
| Achimovskoye (Achimov)                    | 210.42          | 62.75             |             |            |  |
| Aganskoye                                 | 1,792.72        | 523.33            |             |            |  |
| Aganskoye Zapadnoye                       | 1.53            | 0.48              |             |            |  |
| Aganskoye Yuzhnoye                        | 12.74           | 4.00              |             |            |  |
| Alekhinskoye                              | 651.33          | 194.60            |             |            |  |
| Alenkinskove                              | 11.37           | 3.24              |             |            |  |
| Asomkinskoye Zapadnoye                    | 88.08           | 36.55             |             |            |  |
| Asomkinskoye                              | 22.95<br>7.56   | 6.24<br>2.81      |             |            |  |
| Asomkinskoye Vostochnoye                  | 10.40           | 2.81              |             |            |  |
| Asomkinskoye Yuzhnoye                     |                 |                   |             |            |  |
| Aypim Lobat-Yuganskoye (Ai Pim)           | 486.10          | 61.94             |             |            |  |
| Balykskoye Yuzhnoye                       | 317.37<br>74.13 | 93.10<br>21.94    |             |            |  |
| Bittemskoye                               | 19.90           | 5.23              |             |            |  |
| Boloshekotukhtinskoye(Kotukhta)           | 1,261.34        | 250.17            |             |            |  |
| Bystrinskoye (Bystrin)<br>Chakhloneyskoye | 2.37            | 0.74              |             |            |  |
| Chernogorskoye                            | 199.52          | 74.97             |             |            |  |
| Chistinnoye                               | 61.05           | 16.02             |             |            |  |
| Chukhlorskoye                             | 22.13           | 8.94              |             |            |  |
| Chumpaskoye                               | 205.63          | 52.93             |             |            |  |
| Chupal'skoye Severnoye                    | 160.20          | 45.66             |             |            |  |
| Chupal'skoye                              | 241.87          | 68.93             |             |            |  |
| Druzhnoye                                 | 1,354.11        | 264.67            |             |            |  |
| Dunayevskoye                              | 24.55           | 7.71              |             |            |  |
| Fainskoye                                 | 132.04          | 48.99             |             |            |  |
| Fedorovskoye                              | 1,792.45        | 808.46            | 1,133.65    | 20.41      |  |
| Fobosskoye                                | 38.07           | 12.60             | 1,100.00    | 20.41      |  |
| Golevoye                                  | 17.01           | 7.36              |             |            |  |
| Gribnoye                                  | 72.09           | 27.33             |             |            |  |
| Gun-Yeganskoye                            | 98.13           | 38.04             |             |            |  |
| lkilorskoye                               | 250.18          | 86.82             |             |            |  |
| Imlorskove                                | 24.55           | 7.81              |             |            |  |
| Imlorskoye Zpapadnny                      | 24.55           | 7.81              |             |            |  |
| Istochnoye                                | 24.55           | 7.80              |             |            |  |
| Kamynskoye Yuzhnoye                       | 60.66           | 19.09             |             |            |  |
| Kamynskoye Severnoye                      | 254.88          | 80.14             |             |            |  |
| Kamynskove                                | 153.88          | 53.41             |             |            |  |
| Karamovskoye Severnoye                    | 31.41           | 7.10              |             |            |  |
| Karamovskove                              | 383.90          | 81.84             |             |            |  |
| Karyaunskoye                              | 3.82            | 1.09              |             |            |  |
| Kechimovskoye                             | 24.55           | 7.81              |             |            |  |
| Kechimovskoye Yuzhnoye                    | 24.55           | 7.81              |             |            |  |
| Ketovskoye                                | 216.48          | 47.73             |             |            |  |
| Khokhlovskoye                             | 6.24            | 2.47              |             |            |  |
| Kholmogoryskoye                           | 722.86          | 190.78            |             |            |  |
| Khorlorskove Verkhniy                     | 24.55           | 7.73              |             |            |  |
| Khorlorskove                              | 41.05           | 11.70             |             |            |  |
| Khulymskoye Yuzhnoye                      | 69.33           | 21.85             |             |            |  |
| Khvoynoye                                 | 13.99           | 6.03              |             |            |  |
| Kinyaminskoye Yuzhnoye                    | 9.35            | 4.09              |             |            |  |

## Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name)

| Region, West Siberiar           |           |                   | Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued) |            |  |  |  |  |  |
|---------------------------------|-----------|-------------------|---|------------|--|--|--|--|--|
|                                 | Ultimate  | Associated-       | Nonassociated   |            |  |  |  |  |  |
|                                 | Crude Oil | Disolved Gas      | Gas   | Condensate |  |  |  |  |  |
|                                 | (million  | (billion (billion | (million  |            |  |  |  |  |  |
| Field Name                      | barrels)  | cubic feet)       | cubic feet)   | barrels)   |  |  |  |  |  |
|                                 | ,         | ,                 | ,   | ,          |  |  |  |  |  |
| Kinyaminskoye                   | 2.00      | 1.00              |   |            |  |  |  |  |  |
| Kochevskoye Severnoye           | 24.55     | 7.74              |   |            |  |  |  |  |  |
| Kochevskoye(Tevlin-Konitlor)    | 128.88    | 40.61             | 135.51  | 2.44       |  |  |  |  |  |
| Kogolymskoye Severnoye          | 27.02     | 8.53              |   |            |  |  |  |  |  |
| Kogolymskoye Yuzhnoye           | 13.25     | 4.19              |   |            |  |  |  |  |  |
| Kogolymskoye                    | 433.46    | 129.73            |   |            |  |  |  |  |  |
| Komar'inskoye                   | 30.59     | 9.67              |   |            |  |  |  |  |  |
| Konitlorskoye Zapadnoye         | 100.93    | 31.92             |   |            |  |  |  |  |  |
| Konitlorskoye Yuzhnoye          | 818.68    | 373.08            |   |            |  |  |  |  |  |
| Konitlorskoye Vostochnoye       | 20.39     | 6.45              |   |            |  |  |  |  |  |
| Konitlorskoye Severnoye         | 221.37    | 107.95            |   |            |  |  |  |  |  |
| Konitlorskoye (Tevlin-Konitlor) | 101.64    | 31.94             |   |            |  |  |  |  |  |
| Kotukhtaskoye Zapadnoye         | 93.80     | 29.65             |   |            |  |  |  |  |  |
| Kudrinskoye                     | 10.39     | 29.05             |   |            |  |  |  |  |  |
| Kul'yeganskoye (Tyumen)         | 18.85     | 4.54              |   |            |  |  |  |  |  |
| Kurraganskoye Yuzhnoye          | 7.05      | 2.15              |   |            |  |  |  |  |  |
|                                 |           |                   |   |            |  |  |  |  |  |
| Kurraganskoye                   | 27.17     | 8.81              |   |            |  |  |  |  |  |
| Kustovoye Yuzhnoye              | 3.57      | 1.13              |   |            |  |  |  |  |  |
| Kvartovoye                      | 80.38     | 8.68              |   |            |  |  |  |  |  |
| Kysomskoye                      | 7.07      | 2.02              |   |            |  |  |  |  |  |
| Larkinskoye                     | 35.68     | 11.26             |   |            |  |  |  |  |  |
| Lasyeganskoye(Pokachev-Ur'yev)  | 232.36    | 59.93             |   |            |  |  |  |  |  |
| Ledovoye Severnoye (Tomsk)      | 24.55     | 7.75              |   |            |  |  |  |  |  |
| Ledovoye (Tomsk)                | 21.43     | 7.95              |   |            |  |  |  |  |  |
| Ledyanoye                       | 9.01      | 2.69              |   |            |  |  |  |  |  |
| Lempinskoye Zapadno             |           |                   |   |            |  |  |  |  |  |
| (Pravdinsk-Salym)               | 45.10     | 16.73             |   |            |  |  |  |  |  |
| Lokosovoskoye                   | 565.99    | 143.64            |   |            |  |  |  |  |  |
| Loryeganskoye                   | 27.29     | 3.86              |   |            |  |  |  |  |  |
| Losevoye                        | 9.92      | 4.89              |   |            |  |  |  |  |  |
| Lyantorskoye (Taybinskoye)      | 2,321.63  | 685.97            |   |            |  |  |  |  |  |
| Malo-Perevalnoye                | 24.55     | 7.75              |   |            |  |  |  |  |  |
| Malo-Aganskoye Yuzhnoye         | 5.61      | 1.77              |   |            |  |  |  |  |  |
| Malobalykskoye                  | 537.35    | 130.98            |   |            |  |  |  |  |  |
| Malochernogorskoye              | 105.21    | 39.19             |   |            |  |  |  |  |  |
| Maloklyuchevoye                 | 85.38     | 56.79             |   |            |  |  |  |  |  |
| Malokustovoye                   | 6.12      | 1.93              |   |            |  |  |  |  |  |
| Maloledyanoye                   | 23.47     | 4.89              |   |            |  |  |  |  |  |
| Malopokachevskoye               | 24.55     | 7.75              |   |            |  |  |  |  |  |
| Malopyakuta                     | 67.29     | 21.27             |   |            |  |  |  |  |  |
| Malorechenskoye                 | 198.18    | 94.12             |   |            |  |  |  |  |  |
| Malovat'yeganskoye              | 6.12      | 1.93              |   |            |  |  |  |  |  |
| Maloyagunskoye                  | 24.55     | 7.75              |   |            |  |  |  |  |  |
| Maloyuganskoye                  | 171.27    | 116.68            |   |            |  |  |  |  |  |
| Maloyuganskoye Severnoye        | 24.55     | 7.75              |   |            |  |  |  |  |  |
| Mamontovskoye(Ust-Balyk)        | 616.20    | 153.57            |   |            |  |  |  |  |  |
| Maslikhovskove                  | 18.22     | 6.45              |   |            |  |  |  |  |  |
| Matyushkinskoye                 | 8.64      | 2.20              |   |            |  |  |  |  |  |
| Mayskoye                        | 123.41    | 35.78             |   |            |  |  |  |  |  |
| Megionskoye                     | 630.17    | 193.79            |   |            |  |  |  |  |  |
| J J -                           |           |                   |   |            |  |  |  |  |  |

Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

|                                 | Ultimate  |                     | Nonassociated |            |  |
|---------------------------------|-----------|---------------------|---------------|------------|--|
|                                 | Crude Oil | <b>Disolved Gas</b> | Gas           | Condensate |  |
|                                 | (million  | (billion (billion   | (million      |            |  |
| Field Name                      | barrels)  | cubic feet)         | cubic feet)   | barrels)   |  |
|                                 |           |                     |               |            |  |
| Minchimkaskoye                  | 111.75    | 34.61               |               |            |  |
| Minchimkaskoye Severnaya        | 0.29      | 0.07                |               |            |  |
| Mogutlorskoye Zapadnoye         | 13.25     | 4.19                |               |            |  |
| Mogutlorskoye                   | 17.84     | 5.64                |               |            |  |
| Mokhovoye Vostochnoye           | 91.64     | 21.46               |               |            |  |
| Mokhtikovskoye                  | 23.67     | 9.23                |               |            |  |
| Mykhpayskoye (Samotlor)         | 304.48    | 86.03               |               |            |  |
| Nezhdannoye                     | 4.37      | 1.62                |               |            |  |
| Nivagalskoye(Pokachev-Ur'yev)   | 1,487.92  | 384.76              |               |            |  |
| Nizhne-Sortymskoye              | 161.42    | 48.68               |               |            |  |
| Nizhne-Shapshinskoye            | 24.55     | 7.82                |               |            |  |
| Nizhnevartovskoye               | 24.44     | 7.72                |               |            |  |
| Nong'yeganskoye Vostochnoye     | 25.49     | 8.05                |               |            |  |
| Nong'yeganskoye                 | 1,337.97  | 580.93              |               |            |  |
| Novopokurskoye                  | 224.34    | 363.29              |               |            |  |
| Noyabr'skoye Zapadnoye          | 249.30    | 72.91               |               |            |  |
| Ob River Area                   | 112.69    | 33.18               |               |            |  |
| Ombinskoye                      | 22.20     | 8.24                |               |            |  |
| Orekhovoskoye                   | 19.78     | 7.34                |               |            |  |
| Orekhovskoye Severnoye          | 24.55     | 7.82                |               |            |  |
| Osomkinskoye Zapadnoye          | 24.55     | 7.82                |               |            |  |
|                                 | 24.55     | 7.76                |               |            |  |
| Ostrovnoye Yuzhnoye             |           | 2.37                |               |            |  |
| Ostrovnoye                      | 5.55      |                     |               |            |  |
| Ostrovnoye Severnoye            | 8.03      | 1.46                |               |            |  |
| Otdelnoye                       | 43.50     | 8.53                |               |            |  |
| Pal'nikovskoye                  | 8.35      | 3.10                |               |            |  |
| Pereval'noye Vostochnoye        | 196.65    | 46.61               |               |            |  |
| Perevalnoye Yuzhnoye            | 24.55     | 7.76                |               |            |  |
| Petelinskoye                    | 202.21    | 37.11               |               |            |  |
| Pil'tanskoye                    | 24.55     | 7.76                |               |            |  |
| Pogranichnoye (Tyumen)          | 225.97    | 51.36               |               |            |  |
| Pokachevsko-Ur'yevskoye         |           |                     |               |            |  |
| (Akhskoye, Lasyeganskoye,       |           |                     |               |            |  |
| Nivagalskoye, Potochnoye,       |           |                     |               |            |  |
| Potochnoye Severnoye,           |           |                     |               |            |  |
| Pokachevskoye Yuzhnoye,         |           |                     |               |            |  |
| Ur'yevskoye)                    | 5,281.87  | 1,507.62            |               |            |  |
| Pokachevskoye Severnoye         |           |                     |               |            |  |
| (Pokachev-Ur'yev)               |           |                     |               |            |  |
| Pokachevskoye Vostochnoye       | 16.82     | 5.32                |               |            |  |
| Pokachevskoye Yuzhnoye          |           |                     |               |            |  |
| (Pokachev-Ur'yev)               |           |                     |               |            |  |
| Pokamasovskoye                  | 357.53    | 144.38              |               |            |  |
| Pokamasovskoye Yuzhnoye         | 24.55     | 7.81                |               |            |  |
| Pokamasovskoye Zapadnoye        | 24.55     | 7.81                |               |            |  |
| Pokurskoye Severskoye           | 398.12    | 79.43               |               |            |  |
|                                 |           |                     |               |            |  |
| Poludennoye (Tyumen)            | 622.66    | 104.82              |               |            |  |
| Pomaliyakhskoye Severnoye       | 6.20      | 1.77                |               |            |  |
| Potochnoye Severnoye (Poka-Ury) | 376.54    | 107.31              |               |            |  |
| Potochnoye (Poka-Ury)           | 337.15    | 84.66               |               |            |  |

#### Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued) |                      |                                  |                         |            |  |
|---|----------------------|----------------------------------|-------------------------|------------|--|
|   | Ultimate             |                                  | Nonassociated           | Condonasta |  |
|   | Crude Oil            | Disolved Gas                     | Gas                     | Condensate |  |
| Field Name  | (million<br>barrels) | (billion (billion<br>cubic feet) | (million<br>cubic feet) | barrels)   |  |
|   | Darreisj             | cubic leet)                      | cubic leelj             | Darreisj   |  |
| Povkhovskoye  | 2,100.71             | 797.07                           |                         |            |  |
| Povkhovskoye Severnoye  | 24.55                | 7.76                             |                         |            |  |
| Povkhovskoje Yuzhnoje   | 24.55                | 7.76                             |                         |            |  |
| Pravdinsk-Salymskoye  | 2,255.19             | 656.06                           |                         |            |  |
| Pridorozhnoye Vostochnoye   | 24.55                | 7.82                             |                         |            |  |
| Promezhutochnoye  | 24.55                | 7.82                             |                         |            |  |
| Pyakutaskoye  | 45.88                | 14.50                            |                         |            |  |
| Pyakutaskoye Vostochnoye  | 61.82                | 17.62                            |                         |            |  |
| Pylinskoye  | 32.94                | 23.98                            |                         |            |  |
| Pylinskoye Zapadnoye  | 24.55                | 7.75                             |                         |            |  |
| Ravenskoye  | 36.00                | 13.35                            |                         |            |  |
| Rodnikovoye   | 352.28               | 100.40                           |                         |            |  |
| Romanovskoye  | 103.86               | 21.91                            |                         |            |  |
| Roslavlskoye  | 76.46                | 32.50                            |                         |            |  |
| Rubinovoye  | 3.07                 | 0.70                             |                         |            |  |
| Ruf'yeganskoye  | 4.78                 | 1.72                             |                         |            |  |
| Russkinskoye(Tevlin-Konit.)   | 71.68                | 21.91                            |                         |            |  |
| Ryamnoye  | 6.10                 | 2.76                             |                         |            |  |
| Sakhalinskoye Vostochnoye   | 60.46                | 17.78                            |                         |            |  |
| Sakhalinskoye (Tyumen)  | 90.49                | 22.10                            |                         |            |  |
| Salymskoye Severnny   | 163.66               | 46.64                            |                         |            |  |
| Salymskoye  | 24.55                | 7.75                             |                         |            |  |
| Salymskoye Vostochnoye  | 19.88                | 6.28                             |                         |            |  |
| Salymskoye Zapadnoye  | 65.25                | 20.64                            |                         |            |  |
| Salymskoye Central (Srednesalym)  | 104.32               | 29.73                            |                         |            |  |
| Samotlorskoye (Vata, Megion, Pokur  |                      |                                  |                         |            |  |
| Mykhpay, Orekhovo Sev.)   | 24,660.99            | 11,879.84                        | 3,161.97                |            |  |
| Saporkinskoye   | 36.91                | 10.52                            | 47.20                   | 0.85       |  |
| Sardakovskoye Yuzhnoye  | 15.29                | 4.83                             |                         |            |  |
| Savuyskoye  | 291.32               | 83.90                            |                         |            |  |
| Saygataskoye  | 150.53               | 36.46                            |                         |            |  |
| Shapshinskoye   | 124.62               | 35.52                            |                         |            |  |
| Shchuch'yeskoye   | 41.42                | 24.11                            |                         |            |  |
| Shirokovskove   | 89.77                | 25.80                            |                         |            |  |
| Soimlorskove Severnoye  | 87.66                | 36.56                            |                         |            |  |
| Sokhtymskove  | 2.00                 | 1.00                             |                         |            |  |
| Solkinskoye Zapadnoye   | 7.06                 | 1.61                             |                         |            |  |
| Sorominskoye Severnoye  | 2.55                 | 0.81                             |                         |            |  |
| Sorominskove  | 5.13                 | 1.90                             |                         |            |  |
| Sorominskove Zapadnove  | 0.51                 | 0.16                             |                         |            |  |
| Sortymskoye   | 24.55                | 7.77                             |                         |            |  |
| Sorymskove  | 33.08                | 8.27                             |                         |            |  |
| Sovetskove  | 6,050.59             | 1,579.28                         |                         |            |  |
| Sredne-Vatlorskoye  | 64.22                | 16.12                            |                         |            |  |
|   |                      |                                  |                         |            |  |
| Sredne Khulymskoye  | 354.46               | 101.02                           |                         |            |  |
| Sredne-Iterskoye  | 354.46<br>24.55      | 101.02<br>7.82                   |                         |            |  |
|   |                      |                                  |                         |            |  |
| Sredne-Iterskoye  | 24.55                | 7.82                             |                         |            |  |
| Sredne-Iterskoye<br>Sredne-Shapshinskoye                                      | 24.55<br>24.55       | 7.82<br>7.82                     | 584.50                  | 10.52      |  |

Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

| Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continue<br>Ultimate Associated- Nonassociated |           |                   |             |             |  |
|---|-----------|-------------------|-------------|-------------|--|
|   | Crude Oil | Disolved Gas      | Gas         | Condensate  |  |
|   | (million  | (billion (billion | (million    | Condonicato |  |
| Field Name  | barrels)  | cubic feet)       | cubic feet) | barrels)    |  |
|   |           | ,                 | ,           |             |  |
| Sredneugutskoye   | 24.55     | 7.78              |             |             |  |
| Strezhevoye Vostochnoye   | 3.06      | 0.97              |             |             |  |
| Strezhevoye   | 28.63     | 7.19              |             |             |  |
| Studenoye   | 40.28     | 21.71             |             |             |  |
| Sugmutskoye   | 3,327.14  | 768.57            |             |             |  |
| Surgutskoye Severnoye   | 431.28    | 85.18             | 1,137.75    | 20.48       |  |
| Surgutskoye Vostochnoye   |           |                   |             |             |  |
| (Federovo-Surgut)   | 125.68    | 34.08             |             |             |  |
| Surgutskoye Yuzhnny(Federovo)   | 1,540.86  | 356.26            |             |             |  |
| Surgutskoye Zapadnoye   |           |                   |             |             |  |
| (Federovo-Surgut)   | 787.05    | 177.33            |             |             |  |
| Sutorlinskoye   | 42.23     | 12.04             |             |             |  |
| Taplorskoye   | 3.70      | 1.37              | 175.55      | 3.16        |  |
| Tarkhovskoye Severnoye  | 8.08      | 2.93              |             |             |  |
| Tarkhovskoye Yuzhnoye   | 2.22      | 0.80              |             |             |  |
| Tarkhovskoye Zapadnoye  | 5.54      | 2.53              |             |             |  |
| Taybinskoye (Lyantor)   |           |                   | 178.02      | 3.20        |  |
| Teplin-Russkinskoye   | 230.83    | 85.64             |             |             |  |
| Teplovskoye   | 867.99    | 185.66            |             |             |  |
| Tevlin-Konitlorskoye  | 530.15    | 167.95            |             |             |  |
| Tevlinskoye   | 350.49    | 99.89             |             |             |  |
| Tochinskoye   | 19.86     | 7.37              |             |             |  |
| Tonchinskoye  | 24.55     | 7.78              |             |             |  |
| Trom-Yeganskoye Severnoye   | 9.78      | 3.10              |             |             |  |
| Trom-Yeganskoye   | 236.21    | 65.14             |             |             |  |
| Trom-Yeganskoye Vostochnoye   | 12.00     | 3.81              |             |             |  |
| Tundrinskoye  | 35.42     | 16.15             |             |             |  |
| Tutlimskoye (Tutlym)  | 33.10     | 9.43              |             |             |  |
| Tyanovskoye   | 1,237.75  | 2.00              |             |             |  |
| Tyumenskoye   | 244.63    | 63.34             | 158.18      |             |  |
| Udachnoye   | 24.55     | 7.82              |             |             |  |
| Ugutskoye   | 184.69    | 48.51             |             |             |  |
| Ugutskoye Zapadnoye   | 15.68     | 6.47              |             |             |  |
| Uryevskoye(-Potochnoye)   |           |                   |             |             |  |
| (Pokachev-Ur'yev)   | 735.80    | 205.17            |             |             |  |
| Ust-Koyukhtaskoye   | 24.55     | 7.79              |             |             |  |
| Ust-Balykskoye Zapadnoye  | 2.55      | 0.81              |             |             |  |
| Ust-Balyk-Mamontovoskoye  | 2,134.36  | 454.22            |             |             |  |
| Ust-Kotukhtinskoye  | 24.55     | 7.76              |             |             |  |
| Vachimskoye   | 515.79    | 173.57            |             |             |  |
| Vadelypskoye  | 73.91     | 23.44             |             |             |  |
| Vartov-Sovetskoye   | 272.70    | 101.17            |             |             |  |
| Vartovskoye-Sosinoskoye   | 3,001.85  | 1,079.54          |             |             |  |
| Vat'yeganskoye  | 3,987.53  | 1,087.74          |             |             |  |
| Vat'yeganskoye Severnoye  | 29.68     | 8.35              |             |             |  |
| Vat'yeganskoye Yuzhnoye   | 17.40     | 6.46              |             |             |  |
| Vataskoye Severnaya   | 24.55     | 7.79              |             |             |  |
| Vataskoye   | 86.66     | 27.48             |             |             |  |
| Vatinskoye  | 1,130.17  | 306.23            |             |             |  |
| Verkhne Nadymskoye  | 24.55     | 7.79              |             |             |  |

#### Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob Region West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

|                           | Ultimate Associated |              |             |            |  |  |
|---------------------------|---------------------|--------------|-------------|------------|--|--|
|                           | Crude Oil           | Disolved Gas | Gas         | Condensate |  |  |
|                           | (million            |              |             |            |  |  |
| Field Name                | barrels)            | cubic feet)  | cubic feet) | barrels)   |  |  |
|                           |                     |              |             |            |  |  |
| Verkhnesalymskoye         | 400.07              | 130.31       |             |            |  |  |
| Verkhneshapshinskoye      | 62.34               | 23.13        |             |            |  |  |
| Verkhniy Kazymskoye       | 23.28               | 7.40         |             |            |  |  |
| Vershinnoye               | 9.94                | 3.35         |             |            |  |  |
| Vladigor Yuzhnoye         | 24.55               | 7.82         |             |            |  |  |
| Vyintoy                   | 94.26               | 27.32        |             |            |  |  |
| Vyintoy Yuzhnoye          | 1.53                | 0.49         |             |            |  |  |
| Vyintoy Vostochnoye       | 21.41               | 6.81         |             |            |  |  |
| XXVII CPSU Congress       | 160.06              | 50.94        |             |            |  |  |
| Yagunskoye Severnoye      | 21.92               | 6.98         |             |            |  |  |
| Yagunskoye                | 142.73              | 45.45        |             |            |  |  |
| Yagunskoye Yuzhnoye       | 1,151.14            | 320.71       |             |            |  |  |
| Yagunskoye Vostochnoye    | 18.94               | 5.82         |             |            |  |  |
| Yamskoye                  | 2.00                | 1.00         |             |            |  |  |
| Yaunlorskoye              | 820.12              | 225.96       | 8.09        | 0.15       |  |  |
| Yefremovoskoye            | 95.66               | 27.26        |             |            |  |  |
| Yegur'yakhskoye Yuzhnoye  | 61.79               | 26.20        |             |            |  |  |
| Yegur'yakhskoye           | 20.17               | 7.93         |             |            |  |  |
| Yegur'yakhskoye Severnoye | 2.56                | 1.02         |             |            |  |  |
| Yelovoyeskoye Vostochnoye | 62.70               | 19.96        |             |            |  |  |
| Yermakovoskoye Severnoye  | 24.55               | 7.81         |             |            |  |  |
| Yermakovoskove            | 993.86              | 275.74       |             |            |  |  |
| Yershovskoye (Tyumen)     | 159.56              | 51.93        |             |            |  |  |
| Yuganskoye                | 24.55               | 7.81         |             |            |  |  |
| Yur'yevskoye Severnoye    | 474.39              | 155.82       |             |            |  |  |
| Yuzhnoye-1                | 289.91              | 144.11       |             |            |  |  |
| Yuzhnoye-2                | 57.09               | 18.17        |             |            |  |  |
| TOTAL                     | 98,227.09           | 33,160.34    | 6,720.42    | 61.20      |  |  |

 Table 22D. Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Middle Ob

 Region, West Siberian Basin (Sorted Alphabetically by Field Name) (Continued)

Notes: Alternate field names or combinations in parenthesis. Source: Energy Information Administration, Office of Oil and Gas.

|                            | North     | East      |           |           |         |
|----------------------------|-----------|-----------|-----------|-----------|---------|
|                            | Latitude  | Latitude  | Discovery | Producing | Primary |
| Field Name                 | (degrees) | (degrees) | Date      | Status    | Product |
| Akaytemskoye               |           |           | 1991      | SI        | Gas     |
| Anomalnove                 |           |           | 1992      | SI        | Oil     |
| Kulginskoye                |           |           | 1992      | SI        | Oil     |
| Maksimkinskoye             |           |           | 1992      | SI        | Oil     |
| Muryaunskoye               |           |           | 1002      | SI        | Oil     |
| Posnokortskoye             |           |           |           | SI        | Oil     |
| Shtomovoye                 |           |           | 1992      | Si        | Gas     |
| Sporishevskoye             |           |           | 1993      | SI        | OII     |
| Sredne-Imurskoye           |           |           | 1990      | SI        | Oil     |
| Triyurtinskoye             |           |           | 1988      | SI        | Oil     |
| Triyurtinskoye Vostochnoye |           |           | 1988      | SI        | Oil     |
| Udmurt Yuzhnoye            |           |           | 1992      | SI        | Oil     |
| Unlorskoye                 |           |           | 1989      | SI        | Oil     |
| Valyuninskoye Vosstochnoye |           |           | 1988      | Si        | Oil     |
| Vankorskoye                |           |           | 1990      | SI        | Oil     |

#### Table 23D. Basic Field Information, Unknown Region, West Siberian Basin (Sorted Alphabetically by Field Name)

Notes: PP=Producing Primary, PS=Producing Secondary, DV=Developing, SI=Shut In, ABND=Abandoned. Alternate field names or combined field names in parenthesis.

Source: Energy information Administration, Office of Oil and Gas.

| Region, West Siberia       | Ultimate<br>Crude Oil<br>(million | Associated-<br>Disolved Gas<br>(billion (billion | Nonassociated<br>Gas | Condensate |
|----------------------------|-----------------------------------|--|----------------------|------------|
| Field Name                 | barrels)                          | cubic feet)                                      | cubic feet)          | barrels)   |
| Akaytemskoye               |                                   |  | 15.00                |            |
| Anomalnoye                 | 2.00                              | 1.00   |                      |            |
| Kulginskove                | 2.00                              | 1.00   |                      |            |
| Maksimkinskoye             | 2.00                              | 1.00   |                      |            |
| Muryaunskoye               | 2.00                              | 1.00   |                      |            |
| Posnokort                  | 2.00                              | 1.00   |                      |            |
| Shtomovoye                 |                                   |  | 15.00                |            |
| Sporishevskoye             | 2.00                              | 1.00   |                      |            |
| Sredne-Imurskoye           | 2.00                              | 1.00   |                      |            |
| Triyurtinskoye             | 2.00                              | 1.00   |                      |            |
| Triyurtinskoye Vostochnoye | 2.00                              | 1.00   |                      |            |
| Udmurt Yuzhnoye            | 2.00                              | 1.00   |                      |            |
| Unlorskoye                 | 2.00                              | 1.00   |                      |            |
| Valyuninskoye Vosstochnoye | 2.00                              | 1.00   |                      |            |
| Vankorskoye                | 2.00                              | 1.00   |                      |            |
| TOTAL                      | 26.00                             | 13.00  | 30.00                |            |

 Table 24D.
 Calculated Crude Oil, Natural Gas, and Condensate Recovery by Field, Unknown

 Region, West Siberian Basin (Sorted Alphabetically by Field Name)

Notes: Alternate field names or combinations in parenthesis. Source: Energy Information Administration, Office of Oil and Gas.

Glossary

### Glossary

API: American Petroleum Institute, a trade association.

**API Gravity:** Arbitrary scale of measurement for expressing the specific gravity of oil or condensate.

**EUR:** Estimated Ultimate Recovery. Technical hydrocarbon recovery without current economic, operational, and regulatory limits.

Net/Gross Ratio: Net pay divided by gross pay.

**R/P Ratio:** Estimated ultimate recovery minus cumulative production divided by current annual production.

**Abandonment Pressure:** Reservoir pressure at time of abandonment of a gas reservoir.

**Area (of West Siberia):** Four subdivisions of the basin based on the combination of geographical Regions with common age of reservoir rocks, type of trap, and kind of hydrocarbon produced.

**Associated-Dissolved Gas:** Natural gas in solution with a liquid oil phase in a reservoir (also called "solution gas").

**Basin:** An geographic area in which sediments accumulate.

**Condensate:** Hydrocarbon liquid separated at the surface from natural gas.

**Crude Oil:** Hydrocarbon occurring as a liquid in the reservoir and remaining a liquid when brought to the surface.

**Depletion:** Removal of a hydrocarbon from a reservoir.

**Developed:** Having an installed infrastructure necessary for production.

**Discover:** Find a reservoir containing hydrocarbons by drilling.

**Exploration:** Search for reservoirs containing hydrocarbons.

Field: Common area of hydrocarbon production.

**Field Size:** Sum of estimated ultimate recovery from reservoirs in a field.

**Fluid Volume Factor:** Factor for the conversion of hydrocarbon volumes from reservoir conditions to surface conditions (Also called Formation Volume Factors).

**Geology:** The study of the history of the earth as recorded in its rocks; the study of the earth's rocks to locate hydrocarbons.

Gross Pay: Total thickness of a reservoir.

**Hydrocarbon:** An organic chemical compound of carbon and hydrogen produced in a gaseous or liquid phase.

**Improved Recovery:** Increasing the hydrocarbon recovery from a reservoir by injection of a substance such as water or gas to displace hydrocarbons from the reservoir or to maintain the reservoir pressure.

**Natural Gas:** A hydrocarbon occurring in the gaseous phase.

**Net Pay:** Thickness of the productive portion of the reservoir.

**Non-Associated Gas:** Hydrocarbon in the gaseous phase in the reservoir and at surface conditions.

**Peak Production:** Highest production rate in the life of the measured unit (well, field, area, etc.).

**Porosity:** Void space of the reservoir rock relative to the total volume of the rock.

**Possible Reserves:** Unproved volume of reserves which analysis of geologic and engineering data suggests are less likely to be recovered than probable reserves.

**Primary Recovery:** Amount of hydrocarbon recovered without adding energy to the reservoir.

**Probable Reserves:** Unproved volume of reserves which analysis of geologic and engineering data suggest are more likely than not to be recovered.

**Production Decline:** Reduction in producing rate caused by depletion.

**Proved Reserves:** Quantity of hydrocarbon that can be estimated with reasonable certainty, by analysis of geologic and engineering data, to be commercially recoverable, from a given date, from known reservoirs and under current economic conditions, operating methods, and government regulations.

**Province:** Large area or region with common characteristics.

**Recovery Factor:** Estimate of recoverable hydrocarbons relative to the total volume originally in place.

Recovery Efficiency: (See recovery factor).

**Region (Of West Siberia):** Ten geographical subdivisions of the basin.

**Reserves:** Recoverable hydrocarbons within limits (proved, probable, or possible).

**Reservoir:** Subsurface geologic formation containing hydrocarbons.

**Reservoir Parameter:** Describes the physical characteristics of the rocks and fluids of a reservoir.

**Resource:** Estimated volume of potentially recoverable hydrocarbons including producing, non-producing, and undiscovered estimated volumes.

**Undiscovered:** Hydrocarbon volume projected to be discovered in the future.