



**Tap Oil Limited**

**AMULET-1 ENVIRONMENTAL PLAN SUMMARY**

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**AMULET-1  
WA-8-L  
ENVIRONMENTAL PLAN SUMMARY**

**March 2006**

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# Tap Oil Limited

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This Environmental Plan Summary has been submitted in accordance with Regulation 11 (Petroleum (Submerged Lands) (Management of Environment) Regulations 1999) after receiving notification from the Designated Authority of the acceptance of the Amulet-1 Environmental Plan.

### WELL DATA SUMMARY

Well Name:	Amulet-1
Well Designation:	Vertical Exploration
Permit:	WA-8-L
Operator:	Tap (Shelfal) Pty Ltd
Drilling Management:	Apache Energy Limited
Anticipated Spud Date:	23 March 2006
Drilling Contractor:	Ensco Australia Pty Ltd
Drilling Rig:	Ensco-106
RT above AHD:	approx 30m
Water Depth	approx. 85m
Geographic Location	Intersection of Panaeus North Reprocessed 3D Seismic in-line 1097 & cross-line 2209
	Latitude: 19 29' 30.2" S
	Longitude: 116 58' 52.7" E
	Northing: UTM 7,844,762 mN
	Easting: UTM 498,040 mE

### ENVIRONMENT

The Amulet-1 well is planned to be drilled approximately 70 nm north of Dampier. The well is not located in any designated shipping lanes, and no pearling leases or heritage locations are in proximity.

“The permit area is situated on the North West Shelf, a gently seaward-sloping Pleistocene limestone plain which is relatively flat and dipping gently to the north-west. It consists predominantly of limestone with a sandy covering of varying thickness that rises more or less randomly to form the bases of many cays and islands in the region

The water depth within the permit area ranges from 77 m – 89 m. A site survey carried out by Fugro in September 2005 indicated the seabed topography within the bulk of the permit area was smooth and flat, however the seabed in the south of the permit area was characterised by a large outcrop of rock extending approximately 6m above the surrounding seabed level. The side scan survey results indicate this feature is smooth and is expected to consist of weakly cemented carbonate sand (calcarenite) and does not appear to be a coral reef, either living or dead.

Seabed sampling in the area found the seabed within the permit area consists of a thin layer of silty sand to a maximum of 2m thick. The sandy seabed is smooth and



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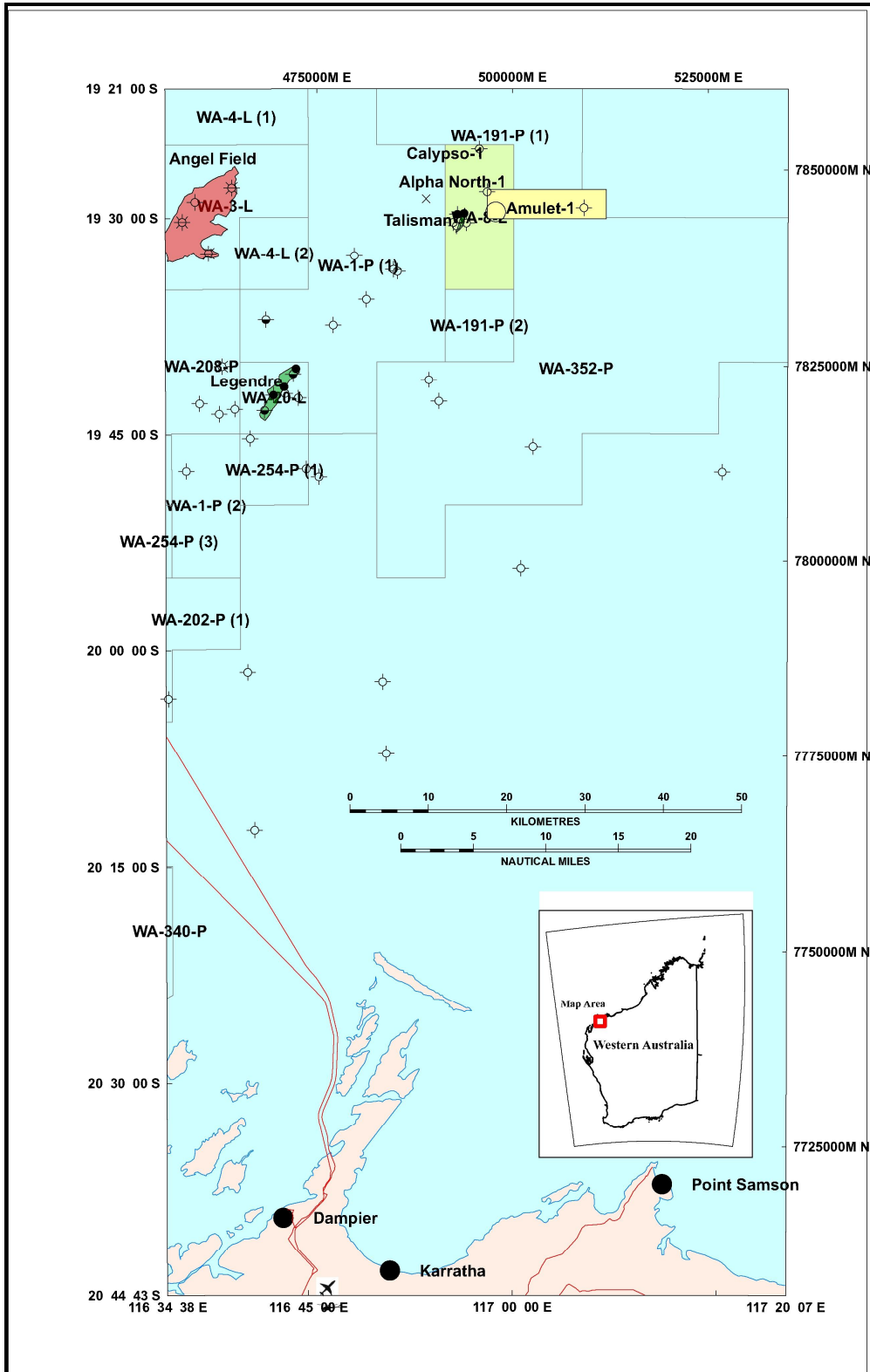


Figure 1: Amulet-1 Location



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featureless.” (Pendoley, K, Nov 2005, Amulet-1 Drilling Programme WA-8-L Environment Plan).

### **ACTION**

A vertical exploration well is to be drilled in late March to a depth of approximately 2,290 mRT using the Ensco-106. The well is to be drilled using a water based mud system, and no testing is planned. The well is planned to be plugged and abandoned.

### **DETAILS OF MAJOR ENVIRONMENTAL HAZARDS AND CONTROLS**

There are no particular sensitivities of the environment in the vicinity of Amulet-1. “Given the location of the well, the results of oil spill modelling and the light nature of diesel and the crude oil typically found in the Amulet-1 area, the proposed course of action for a spill is to do nothing and to monitor the movement of the slick until it dissipates.” (Pendoley, K, Nov 2005, Amulet-1 Drilling Programme WA-8-L Environment Plan).

### **SUMMARY OF MANAGEMENT APPROACH**

The drilling of the Amulet-1 well is subject to the Commonwealth Petroleum (Submerged Lands) Act 1967 and related legislations and guidelines. Drilling operations will be managed under the Ensco-106 Vessel Safety Case and the Apache/Ensco bridging document. Environmental management for Amulet-1 is detailed in the Tap Oil Ltd Environment Plan (R05004, November 2005).

### **DETAILS OF CONSULTATION**

Captain Vic Justice was contacted in December 2005 to discuss whether the Amulet-1 well location was within a shipping lane. The pursuing discussion indicated that although there is shipping traffic from fishing and bulk vessels, the well location was not in a direct shipping lane.

Copies of the “Amulet-1 Drilling Program WA-8-L Environment Plan” have also been forwarded to the following;

Fisheries WA, Rob Tregonning  
WA Fishing Industry Council, Felicity Horne  
Marine and Coastal Community Network, Edwina Davies-Ward

### **CONTACT**

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