



**EXPLORATION
LOGGING
OF AUSTRALIA INC.**

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GEOLOGICAL-ENGINEERING REPORT No.3
Tilana No.1 / AMOCO AUSTRALIA
EXLOG UNIT 216 / DIAMOND M "EPOCH"

21st - 27th September 1985
5452 - 7173 ft
1662 - 2186 m

Report by : G.Hodge, D.New

OPERATION SUMMARY

The 13.375" casing was successfully cemented and after a BOP stack test the EZSV plug was drilled out in approximately 14.8 hours. Cement was drilled to 1652m (5422') and a leak-off test was conducted to an equivalent mud density of 14.3ppg. After drilling to 1664m (5460') a leak-off test was conducted and the formation broke down at an equivalent mud density of 14.6ppg. The bit was then pulled and a reverse circulation junk-sub was run in and 1' of new hole was drilled with this assembly. The bit was then pulled to cut Core #1 at 1664m - 1682m (5461-5519'), the recovery was 10m (33'), 57%.

NB#9 was run in and reamed the cored rat-hole. Flow checks at 1712m (5619'), 1749m (5740'), 1768m (5802') and 1881m (6173'), following drill breaks, were all negative. Surveys at 1860m (6102') and 1926m (6320') were 1 and 0.5 degrees respectively. The bit was pulled at 1926m (6320') due to low ROP. Drag to 50-60 klbs was noted.

NB#10 was run in, there was no trip gas and fill was approximately 5'. Very high torque occurred over much of the bit run and the bit was pulled at 2002m (6568') due to low ROP (no drag on the trip out). The deviation at 2000m (6561') was 0.75.

NB#11 was run in and after surging for junk drilled ahead. High torque occurred from 2012m (6604'). Volcanics were intersected at 2011m (6600') and continued to 2186m (7173'). A flow check at 2066m (6778') was negative. The deviation at 2164m (7099') was 1.25 degrees. The bit was tripped at 2186m (7173') due to low ROP. There was no drag on the trip out.

Current operations at 2400hrs 27th September: completed trip in with NB#12 and commencing drilling.