



**EXPLORATION
LOGGING
OF AUSTRALIA INC.**

The liability of members is limited
Inc. in Nevada, U.S.A.

43 Planet St.
Carlisle
West Australia 6101

Phone: (09) 361 4437, 361 4963
Telex: AA 92372

GEOLOGICAL-ENGINEERING REPORT No.8

24th - 31st Oct 1985

Tilana No.1 / AMOCO AUSTRALIA

12292 - 12796ft

EXLOG UNIT 216 / DIAMOND M "EPOCH"

3746.6 - 3900.3m

Report by : T.Foong , G.Hodge

OPERATION SUMMARY

NB#19 was pulled with no hole problems being encountered. The deviation was 2 degrees.

Bit #8 was rerun to cut Core #3, which was cut from 3746.6 - 3752m, the recovery was 100%. The trip gas was 24u.

NB#20 was run in and drilled the cored rat-hole prior to drilling ahead. Minor drill-breaks occurred at 3782 - 3784m and 3789 - 3792m. Drag to 80 - 100 klb was recorded on the connection at 3807m and 40 klb on the connection at 3832m. Minor drillbreaks between 3846 and 3865m gave a maximum gas of 26u in sandstone at 3854m. The well was drilled to 3900.3m (12796') and returns circulated prior to running wireline logs. Drag to 60 klb was recorded while circulating. A wiper trip was run to 3617m, drag was minor at 10 - 15 klb. There was 4.5m of fill on bottom, the trip gas was 7u. After reaming the fill the hole was repeatedly circulated and drag to 100 klb was recorded. The mud weight was increased from 9.7 - 9.9 ppg while circulating. After running a multi-shot survey the bit was pulled. Drag on the trip out was mostly minor with 60 klb at one spot. The deviation at 3888m was 2.3 degrees.

Wireline logs were then run as follows: ISF-MSFL-BHC-GR-SP; LDL-CNL-GR; HDT; WST; CST; RFT. No gas or oil was recovered from the RFT, 4.75 litres of mud filtrate was recovered.

NB#21 was run in and the mud was conditioned at the casing shoe. Tight spots at 3402m and 3630m had to be reamed on the trip in. After reaming from 3879m the drill-string became stuck with the bit at 3898m, the pipe was worked free and the hole was circulated. The mud density was raised to 10.0 ppg and consistently high torque, and drag to 150 klb, was recorded while reaming and circulating. The trip gas was approximately 100u.

The rig operation at 2400 hrs 31 Nov. 1985 was circulating with the well at 3900.3m.