



**EXPLORATION  
LOGGING  
OF AUSTRALIA INC.**

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GEOLOGICAL-ENGINEERING REPORT No.7

17th Oct - 24th Oct 1985

Tilana No.1 / AMOCO AUSTRALIA

10998ft - 12292ft

EXLOG UNIT 216 / DIAMOND M "EPOCH"

3352m - 3746.6m

Report by : D.New, T.Fell

OPERATION SUMMARY

A wiper trip was made at 3352m with up to 90klbs drag being recorded and the interval 2550m - 2520m being reamed on the trip out. Further tight hole was noted on the trip in with up to 90klbs drag being recorded and the interval 2870m - 2900m being reamed, however tight hole, noted between 2685m and 2679m, did not require reaming. During the wiper trip one of the nozzles became blocked and drilling continued at reduced pump flow. The wiper trip gas was 2u (0.04%). At 3426m a negative flow check was made. At 3456m the torque increased and the rate of penetration decreased to less than 1m/hr, bottoms up were circulated, a survey dropped (Dev = 0.75 deg) and the bit pulled. No hole problems occurred on the trip.

After testing the stack, NB#18, a SMITH F3, was run with the last 2 singles being washed to bottom. Between 3530m and 3570m gas values indicated that pore pressure had increased to an estimated maximum of 9.4ppq EMW. Occasional high torque, noted on this bit run was probably due to fractured volcanics caving. Up to 50klbs drag was noted while making a connection at 3665m and a high vis. pill circulated with no significant change in the cuttings observed. At 3694.3m bottoms up were circulated, a survey dropped (dev = 1.25 deg) and the bit pulled due to bit hours and low rate of penetration.

NB#19, a SMITH F2, was run in with the last two singles being washed to bottom (trip gas 65u). Tight hole to 80klbs was noted on the connection at 3718m. A steady increase in ROP began at 3741 and continued to 3746m where returns were circulated. The increased ROP was due to a sandstone and the bit was pulled to cut core No.3

Current operations as at 24:00 hrs 24/10/85 is POOH with NB#19.