

GEOLOGICAL-ENGINEERING REPORT No.8 cont'd

HOLE CONDITION

The general hole condition over the interval 3746 - 3900.3m was good with carbide and gas peaks indicating the average hole diameter to be approximately 13". However, due to possible channelling effects in the annulus, it is possible that the actual average hole size was larger. Surveys indicated deviations of 2.0 deg at 3747m and 2.3 deg at 3888m. Tight hole recorded while circulating at 3900.3m was probably due to fractured volcanics collapsing. The connections at 3807m and 3832m were tight, with up to 100 klb and 40 klb of drag being recorded respectively. Tight hole also occurred when running in NB#21 and when near bottom, again probably due to the volcanics collapsing, but maybe also due to a siltstone bed at 3875m causing the stabilizer to hang up. Some splintery siltstone cavings, to 50x13mm, were noted on the first circulation from bottom at 3900m but were not noted in later circulations.

The average open hole diameter, from the wireline logs, for the interval 2850 - 3900m was 14".

PORE PRESSURE

No abnormal pore pressure indicators were recorded while drilling this interval and the estimated formation pore pressure was 8.7 ppg EMD. The mud density while drilling was 9.7 - 9.9 ppg.

Lithology Summary

Depth (m) Interval	Lithology	ROP (ft/hr)		GAS (units)	
		max	avg	max	avg
3683 - 3900	Dominantly volcanics with siltstone, sandstone and coal	75	12	26	6