

## AMOCO AUSTRALIA PETROLEUM COMPANY

PELICAN NO. 5DISCUSSION BY INTERVAL

36" HOLE INTERVAL (327 - 640 ft) (99.7 - 195 m)

Pelican No. 5 was spudded on the 28th December 1985. The water depth was 254 ft (77.4 m) and a rotary table to sea-bed depth was 327 ft (99.7 m).

A 26" bit with a 36" hole opener were run together to drill this section to 640 ft (195.1 m), using seawater with returns to the seabed. High viscosity gel pills, flocculated with Lime were pumped to assist with hole cleaning. On reaching total depth for this hole section, 500 bbls of High Viscosity mud were spotted in the open hole. A wiper trip encountered no bridging or fill. 30" casing was run and set at 629 ft (191.7 m) without problems.

26" HOLE INTERVAL (640 - 1350 ft) (195 - 411 m)

This section was drilled with Seawater and high viscosity gel pills flocculated with Lime.

The 30" casing shoe and new hole were drilled to 1041 ft (317.3 m) where a 50 bbl high viscosity pill was pumped and a survey run (Deviation 0°). Drilling continued to 1350 ft (411.5 m). 100 bbls of high vis mud were circulated and the hole was then displaced with 1100 bbls high vis mud, weighted to 9.5 ppg. A wiper trip was made and no fill was encountered. 20" casing was run and cemented at 1313 ft (400.2 m) without problems.

17<sup>1</sup>/<sub>2</sub>" HOLE INTERVAL (1350 - 5828 ft) (411 - 1776 m)

General

This interval was drilled with a lightly dispersed Seawater-AQUAGEL-DEXTRID mud. Initially, before reactive formation clays contributed to viscosity, the AQUAGEL Bentonite was prehydrated in freshwater and added to Seawater to give a base mud. DEXTRID additions were made to maintain desirable mud properties and to lower the fluid loss. Q-BROXIN, pre-solubilised with Caustic Soda, was added as necessary to help control rheology.