

## III.

## SUMMARY

## OPERATIONS BY INTERVAL

36" Hole & 30" Casing

Pelican No 5 was spudded on 28 December at 0900 hours. The 36" hole was drilled to 195.1 m (640'). Seawater was used as the drilling fluid and cuttings were returned to the sea floor. The hole was filled with mud prior to running casing.

8 joints of 30" x 1" wall, grade B casing with Dril Quip Quik Stab (NS-60) connectors were run, landed at 192 M (630'), and cemented with 850 sx 'G' + 35% SF, 1% CaCl<sub>2</sub> (15.8 PPG) and 500 sx 'G' + 1% CaCl<sub>2</sub> (15.8 PPG).

26" Hole and 20" Casing

This section of hole was drilled using a 26" bit, using seawater with viscous sweeps, and taking returns to the seafloor. The 30" casing was drilled out and the hole drilled to 411.5 M (1,350'), requiring 4.5 rotating hours. A hi-vis sweep was circulated and the hole displaced with 9.5 PPG mud prior to running casing.

Casing was run and landed at 400.2 M (1,313') using 24 joints, 20", 94 PPF, Grade B, Dril Quip Quik Thread (S-60) with Drill Quip Quik Stab (NS-60) connector used on the Cameron 18-3/4" WS-I (10,000 PSI) wellhead joint. The casing was cemented by the innerstring method with 285 sx 'G' + 35% SF, 2.5% Pre Gel (BWOW) at 12.8 PPG; 1000 sx 'G' + 2.5% Pre Gel at 12.8 PPG; and 500 sx 'G' neat at 15.8 PPG.

17-1/2" Hole and 13-3/8" Casing

After running and testing the BOP and riser, the 20" casing was drilled out. A CCCT was performed to 12.5 PPG (w/o leak off) and a FCCT was performed to leak off at 12.3 PPG.

This section of hole was drilled using 17-1/2" bits and a lightly dispersed seawater/gel mud system with minimal hole problems while drilling to 1,776.4 M (5,828'). While drilling 1,537.7 m - 1618.5 m (5,045' - 5,310') weather prohibited off loading drill water. The mud was diluted with seawater to control solids, increasing the chlorides from 5,800 PPM to 13,500 PPM. A conditioning trip was made prior to running logs and the interval from 1,767.2 M (5,798') to 1,776.4 M (5,828') required reaming and 75 K - 25 K drag was noted in spots on the trip out of the hole.

On the first log run the tools would not pass 1,036.9 M (3,402'). A conditioning trip was made and reaming was required at 1,034.8 M (3,395') to 1,053.4 M (3,456'), 1,421.6 M (4,664') to 1,446 M (4,744'), 1,569.1 M (5,148') to 1,581.9 M (5,190) and 1,754.1 M (5,755') to 1,776.4 M (5,828'). Mud weight was increased to 10.0 PPG. Logs were then run to TD. A conditioning trip was made prior to running casing and a bridge encountered at 1,717.2 M (5,634').

After running 55 jts 13-3/8" casing the pipe became stuck at 661.4 M (2,170'). The casing was circulated and rotated free then pulled for a conditioning trip. A second conditioning trip was made without incident. Casing was then run to 807.4 M (2,649'), at which point it became stuck. After circulating and rotating the pipe free, the mud weight was reduced to 9.3 PPG and the remainder of the casing was run without incident. A total of 137 jts, 13-3/8", 72 #, N-80, Dril Quip No Cross was run and landed at 1,753.8 M (5,754').