

AMOCO AUSTRALIA PETROLEUM COMPANY  
PELICAN NO. 5

DISCUSSION BY INTERVAL

6" HOLE INTERVAL (Cont'd)

Mud Properties (Cont'd)

Bottom hole temperatures in excess of 320°F combined with the heavy CO<sub>2</sub> contamination, meant that after every trip, heavy additions of Lignite and Lignosulphonate were necessary to maintain mud properties. Despite these problems the mud properties were kept within specifications and there were not any hole problems.

Below is a comparison of recommended mud properties against actual properties:-

<u>Mud Properties</u>	<u>Programmed</u>	<u>Actual</u>
Density (ppg)	8.9 - 17.0	15.0 - 15.8
Funnel Viscosity (sec/qt)	40 - 50	46 - 53
Yield Point (lbs/100 sq. ft)	10 - 25	9 - 14
10 Sec Gel (" " ")	4 - 15	4 - 6
10 Min Gel (" " ")	8 - 30	5 - 12
API Fluid Loss (mls/30 min)	< 10	4.5 - 6.5
HPHT " " (" " ")	20 - 22	17.2 - 19.6
MBT	20 - 30	16 - 21
pH	11.0 - 12.0	11.5 - 12.0

Hole Conditions

Throughout this section, the hole remained in excellent condition. No drag or fill was experienced on any of the trips and information from the wireline logs shows the hole to be washed out to a maximum of 7<sup>1</sup>/<sub>2</sub>" in parts and in gauge from 13,648 - 13,762 ft (4160 - 4195 m).