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GEOLOGICAL REPORT

LITHOLOGIC SUMMARY

455-860M (1493'-2625') BIOCLASTIC CALCARENITE: LT TO M TAN TO GRY-WH, WITH ABUN FOSS FRAG - CORALS, BRYOZOA, SPICULES AND SHELL FRAG. ABUN PELL GLAUC BELOW 535M. INCR IN CLY MTRX BELOW 690M. ROCK GRDS TO A BIOCLASTIC CALCILUTITE BELOW 760M WITH AN INCR IN CLY CONTENT AND THE RARE APPEAR OF QTZ SLT AND VF SND.

800-1065M (2625'-3494') CALCAREOUS CLYST INTBD WITH CALC SHALE : M GRY-GRN, MOD TO V SFT, BLKY TO FIS, DOM V CALC BUT OCC TO TR CALC; ABUN MICRO FOSS FRAG; TR TO ABUN QTZ SLT ND VF SND.

GAS SUMMARY

MAX GAS: 6 UNITS (975M/3199') : C-1=331, C-2=5 PPM)
BACKGROUND GAS : 3 UNITS (C-1=200, C-2=2 PPM)
CONNECTION GAS : ABSENT
TRIP GAS : NO TRIPS

MAX ROP: 137M/HR (450') AT 532M (1745')
MIN ROP: 20M/HR (65') AT 1040M (3412')
AVG ROP: 37M/HR (120')

PRESSURE PARAMETERS

DXC: 0.75-1.07 (CALCARENITE-CLAYSTONE)
SHALE DENSITY: 'SHALE' TOO INCOMPETENT
TEMP (FLOWLINE): 33 DEG C (91 DEG F)
MW IN/OUT 8.6/8.8 PPG (ECD:9.0 PPG)
ESTIMATED PORE PRES: 8.7 PPG
FRAG GRAD (20' SHOE AT 412M): 15.3 PPG

REGARDS
C W WARING
AMOCO AUSTRALIA PETROLEUM COMPANY