STBY BCAST 176199 CLG

450452

DECEMBER 31, 1985

DRILLING WIRE - PELICAN NO. 5 - BASS BASIN, AUSTRALIA

AMOCO CORPORATION - CHICAGO TX: 020/2349917854
ATTN: T.D. STACY MC 4502
B.G. NEWTON MC 4703
CH-AUP-325-T-420.61-CWW/SCB/CDC/GMK

BUREAU OF MINERAL RESOURCES TX: AA62109
THE DIRECTOR
ATTN: J. WHITE

TASMANIAN DEPARTMENT OF MINES TX: AA58276
ATTN: H. MURCHIE

MISC-AUP-1213-T-420.61-CWW/SCB/CDC/GMK

CC: AMOCO AUSTRALIA PETROLEUM COMPANY TX: AA58162
- HOBART ATTN: C.D. CORNELL
ABB-AUP-277-T-420.61-CWW/SCB/CDC/GMK

DATE : 31ST DECEMBER, 1985.
REPORT NO. : 6
DAYS FROM SPUD : 3
TD : 630.6 METERS (2069 FT)
PROGRESS : 219.1 M (719 FT)
MUD PROPERTIES : MW - 9, VIS - 45, API FL - 11.5
LAST CASING : 20'' AT 400.2 METERS (1313 FT)
FCCT - 12.3 PPG
DAILY COST (USD) : 276,099 CUM COST : 663,903
PRESENT OPERATION : DRILLING
OPERATIONS SUMMARY : RUN AND TEST BOP
DRILL CMT, SHOE AND PERFORM CCCT - 12.5 PPG
AND FCCT - 12.3 PPG AT 413 M (1355 FT), DRILL
FROM 413 - 630.6 M (1355 - 2069 FT)

DAILY GEOLOGICAL REPORT

DRILLED INTERVAL (TO 0600HRS): 411.5 - 630.6M (1350-2069FT)
SAMPLED INTERVAL (TO 0600HRS): 411.5 - 600M (1350-1969FT)
CORRELATION/FORMATION TOPS: DRILLING IN TORQUAY GROUP BIOCALCARENITE.

SHOW SUMMARY

NO SHOWS.

LITHOLOGY SUMMARY

411.5 - 600M (1350-1969FT)

INTERVAL DOMINANTLY BIOCALCARENITE WITH MINOR CALCILUTITE INCREASING BELOW 550M.

BIOCALCARENITE (80%) M-V C GR (DOM C GR), DOM FRI, CONSISTS MAINLY OF FRAGS OF DOM BRYOZOANS. 5-25% SPARRY CALCITE CMT AND GEN 0-10% NON-CALC CLY MATRIX.TR YELL-GOLD MINERAL FLUOR.

CALCILUTITE (20%?, MAINLY BELOW 550M) LIKELY AS SEPARATE PATCHES AND THIN INTERBEDS WITHIN BIOCALCARENITE SEQUENCE. VER ABUN FOSSIL FRAGS, UNCONSOL, V SFT.

GAS SUMMARY

BACKGROUND GAS: NIL
MAXIMUM GAS: NIL
TRIP GAS: NIL
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 460M (1509FT), 209 M/HR (685 FT/HR)
MINIMUM ROP: DEPTH 515M (1689FT), 30.0M/HR (98 FT/HR)
AVERAGE ROP: 80 M/HR (262 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.5 - 0.93 DXC AVERAGE: 0.70
SHALE DENSITY, RANGE: AVERAGE:
SHALE FACTOR, RANGE: AVERAGE:
TEMP OUT: 31.8 DEG C TEMP IN: 30.2 DEG C
MUD WT. IN: 9.0 PPG MUD WT. OUT: 9.1 PPG ECD: 9.4 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 12.5 PPG EMW