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

AMOCO CORPORATION - CHICAGO TX: 020/234991785+
ATTN: T.D. STACY MC 4502
B.G. NEWTON MC 4703
CH-AUP-035-T-420.61-CWW/SCB/ADB/GMK

450492

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

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

MISC-AUP-099-T-420.61-CWW/SCB/ADB/GMK

CC: AMOCO AUSTRALIA PETROLEUM COMPANY TX: AA58162
- HOBART ATTN: A.D. BECKETT
ABB-AUP-024-T-420.61-CWW/SCB/ADB/GMK

DATE : 24 JANUARY 1986
REPORT NO. : 30
DAYS FROM SPUD : 27
TD : 2984.9 METERS (9793 FT)
PROGRESS : 82.6M (271 FT).
MUD PROPERTIES : MW - 9.9, VIS - 68, API FL -6.3
LAST CASING : 13-3/8'' AT 1753.8 METERS (5754 FT)
FCCT - 14.7 PPG
DAILY COST (USD) : 99,773 CUM. COST :3,164,189
PRESENT OPERATION : DRLG
OPERATIONS SUMMARY : DRLG 2902.3 M (9522 FT) TO 2984.9 M (9793 FT)

DAILY GEOLOGICAL REPORT

DRILLED INTERVAL (TO 0600HRS): 2902.3 - 2984.9M (9522-9793FT)
SAMPLED INTERVAL (TO 0600HRS): 2896.2 - 2979 M (9502-9774FT)
CORRELATION/FORMATION TOPS: DRILLING IN EVCM PRIOR TO PICKING 9 5/8''
CASING POINT
BASE F SAND 2890M
EST TOP G SAND 3008M

SHOW SUMMARY

NO SHOWS

LITHOLOGY SUMMARY

2896.2-2979M (9502-9774FT) DOMINANTLY CLAYSTONE AND FINELY INTERLAMINATED SANDSTONE, WITH OCCASIONAL COARSER GRAINED SANDSTONE BEDS AND MINOR COAL. THE PROPORTION OF CLAYSTONE/FINE SANDSTONE VARIES FROM DOMINANTLY CLAYSTONE TO DOM SANDSTONE. DRILLING RATES IN THIS MATERIAL ARE LESS THAN 4M/HR. ROP'S IN COARSER SANDSTONE ARE USUALLY 12-20M/HR.

CLAYSTONE WITH INTERLAMINATED FINE SANDSTONE (70% OF GROSS INTERVAL)

CLAYSTONE (0-100% WITHIN INTERVAL)

DOM SOFT. SUBFISSILE (RARELY GRDG TO FISSILE SHALE). TR-ABUN BLACK CARBONACEOUS MATTER, GRDG IN PART TO COALY CLAYSTONE. NIL TO GD TR V F SAND GRDG TO SANDY CLAYSTONE, CLAYEY SANDSTONE.

SANDSTONE (0-100%, BUT PROBABLY DOMINANT OVER CLAYSTONE IN INTERVAL)

- DOM F GR WITH GD TR VF GR SD, IN PART GRDG TO SUPERFINE SAND.
- CMT (10-15%) WH CLAY (KAOLIN) WITH MINOR SILICA CMT AND QTZ OVERGROWTHS
- 10-15% VIS POROSITY, OCC HIGHER. SLIGHT TR PATCHY - EVEN V LT BRN OIL STAIN IN TR GRAIN AGGREGATES. TR PINPOINT DULL-BR ORANGE FLUORESCENCE, AND DOM NIL TO V LT CRUSH CUT FLUOR.

SANDSTONE : DOMINANTLY AS MEDIUM GRAINED, FRIABLE SAND

REPRESENTED BY DRILLING BREAKS AT 2910-14, 2918-20, 2937-39, 2941-45, 2947-48, 2958-59, 2960-62, 2967-69M, DOM F-M GR .
EST 5-15% CMT, DOM AS WH-CRM CLAYEY (KAOLIN?) OR AS SILICA AS QUARTZ OVERGROWTHS. CMT PROBABLY VARIABLE EST POROSITY VAR 5-25% DOM 10-15%. V IRREG V PATCHY (LESS THAN 10%) TR V LT BR OIL STAIN. TR V PALE DULL ORANGE PINPOINT FLUORESCENCE, NO CUT OR CRUSH CUT FLUOR.