P. Baillie

450471

DEPARTMENT OF MINES RECEIVED/SENT 14 JAN 1986 2.00 PM OPERATOR

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TASROK AA58276
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D of M	A.O.	C.G.	E.O.	D.S.M.E.
D. DIR.	14 JAN 1986 DEPT. OF MINES			Registra
REF. No.	379/86			

86-01-14 1146 ST *
TASROK AA58276
STBY BCAST 176199 CLG

JANUARY 14, 1986

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-017-T-420.61-CWW/SCB/ADB/GMK

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

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

MISC-AUP-061-T-420.61-CWW/SCB/ADB/GMK

CC: AMOCO AUSTRALIA PETROLEUM COMPANY TX: AA58162
- HOBART ATTN: A.D. BECKETT
ABB-AUP-010-T-420.61-CWW/SCB/ADB/GMK

DATE : 14 JANUARY, 1986
REPORT NO. : 20
DAYS FROM SPUD : 17
TD : 2557 METERS (8389 FT)
PROGRESS : 147.2 M (483 FT)
MUD PROPERTIES : MW - 9.1, VIS - 53, API FL - 5.1
LAST CASING : 13-3/8'' AT 1753.8 METERS (5754 FT)
FCCT - 14.7 PPG
DAILY COST (USD) : 100,898 CUM. COST : 2,193,126
PRESENT OPERATION : DRILLING
OPERATIONS SUMMARY : RETRIEVE HANG OFF TOOL AND DISPLACE RISER. TEST CONNECTOR AND UPPER ANNULAR PREVENTER. REPAIR SHAKERS. RIH AND DRILL 2409.8 - 2557 M (7906 - 8389 FT).

DAILY GEOLOGICAL REPORT

DRILLED INTERVAL (TO 0600HRS): 2408.6 - 2557M (7902-8389FT)
SAMPLED INTERVAL (TO 0600HRS): 2408.6 - 2535M (7902-8317FT)
CORRELATION / FORMATION TOPS: M DIVERSUS UNCONFORMITY NEAR 2445M RKB: TOP A SAND AT 2464M RKB (-2443M SS)

SHOW SUMMARY

NO SHOWS.

LITHOLOGY SUMMARY

2408.6 - 2535 (7902-8317FT) INTERVAL DOM SANDSTONE (50%) INTERBEDDED WITH CLAYSTONE (45%) AND COAL (5%)

SANDSTONE MAIN BEDS 2412-33, 2435-48, 2463-77 (A SAND), 2493-97, 2505-07, 2526-41M.
GY-WH, WH, GY-BRN, LT BRN, VF-M GR DOM F GR BUT VAR GR SIZES OFTEN APP FINELY INTERBEDDED AND LAM, AND IN PT GRDG TO SLTST, CLYEY SST, M GR DOM AS SINGLE GRNS, WELL SRT, DOM SUBANG-SUBRND, FRI-MOD HD.

TR-ABUN ORGANIC MATTER.

TR-1% M-C GR IRREG PATCHES OF TRANSLUC PALE ORNG-BR RESIN, 5-20% CMT, DOM WH CLY BUT IN PT SILICEOUS WITH QTZ OVERGRTHS AND BELOW 2450M, MOD ABUN (UP TO 10% OF DOLOMITIC CMT. DECR TO TR BELOW 2480. TR-POOR (5-10%) VIS POR (NIL-TR IN SILIC AND DOLOM VAR).

- OCC V LT YELL-WH CUT FLUOR WITH CLR RES AND PALE YELL-ORNG DESS RNG FLUOR, ASSOC WITH ORGANIC MATTER.

CLAYSTONE INTERBEDDED AND IN PT INCLUD SAND A/A AS FINE LAMINATIONS, V CARB GRDG TO CARB SLTST AND COALY SLTST.

COAL MAIN BEDS 2410-11, 2451-52, 2496-97, 2506-07M, SUBVIT-VIT LUSTRE, BITUM, TR-ABUN CLYST INTERBEDS, GRDG TO COALY CLYST.
IN PT SHOWS MOD BR TRANSLUC - SL MLKY WH CRUSH CUT FLUOR.

COMMENTS

1. OCC FLOWLINE SAMPLES SUGGEST SOME V F SST IS PASSING SHAKERS AND THAT SEQUENCE IS PROBABLY FINER GR THAN DESCRIBED.
2. GAS PEAKS ASSOC. WITH COALS
3. MAIN SANDS AND COALS CORRELATING WELL WITH PELICAN 4 AND PELICAN 5 APPROX 15M HIGH TO PELICAN 4 BELOW M.DIV. UNCONF.

GAS SUMMARY

BACKGROUND GAS: 5 UNITS (0.10%)
COMPOSITION C1 = 757, C2 = 44, C3 = 34, IC4 = 5, NC4 = TR
MAXIMUM GAS: DEPTH 2547M (8326FT), 26 UNITS (0.52%)
COMPOSITION C1 = 4346, C2 = 243, C3 = 100, IC4 = 14 NC4 = TR
TRIP GAS: DEPTH 2410M (7906FT), 13 UNITS (0.26%)
COMPOSITION C1 = 1596, C2 = 104, C3 = 69, IC4 = 29, NC4 = TR
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2434M (7985FT), 70 M/HR (229 FT/HR)
MINIMUM ROP: DEPTH 2558M (8392FT), 3.3 M/HR (11 FT/HR)
AVERAGE ROP: 12 M/HR (37.5 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.12 - 1.84
TEMP OUT: 57.9 DEG C TEMP IN: 57 DEG C
MUD WT. IN: 9.1 PPG MUD WT. OUT: 9.1 PPG ECD: 9.29 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 15.32 PPG EMW

ORGANIC PETROLOGY OF PELICAN - 5

1. VITRINITE REFLECTANCE

DEPTH (M)	MEAN MAXIMUM REFLECTANCE(%)	STANDARD DEVIATION	RANGE	NUMBER OF DETERMINATIONS
1851-60	0.37	0.03	0.31-0.43	33

2. BRIEF DESCRIPTION

2.1 LITHOLOGY

CHIEFLY SILTSTONE, 30-40% COAL, 10-15% SANDSTONE, APPROX 5% CARBONACEOUS SILTSTONE.

2.2 PROPORTIONS OF MACERL GROUPS

	VITRINITE	INERTINITE	EXINITE
COAL AND CARBONACEOUS SILTSTONE	75	-	25

3. COMMENTS

1. SANDSTONE AND SILTSTONE CUTTINGS CONTAIN VERY LITTLE OR NO ORGANIC MATTER
2. EXINITES PRESENT IN COAL (IN ORDER OF ABUNDENCE) ARE RESINITE, SPORINITE, CUTINITE, SUBERIITE AND LIPODETRINITE
3. THE PRESENCE OF RESINITE RICH COALS IN ENCOURAGING AS THESE COALS SHOULD GENERATE SIGNIFICANT QUANTITIES OF LIGHT OIL AND CONDENSATE IF THEY ARE PERSISTENT TO GREATER DEPTHS AND MATURITIES (VR GREATER THAN 0.45%).

REGARDS,
C.W. WARING
AMOCO AUSTRALIA PETROLEUM COMPANY

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