



86-01-13 1606 ST *
TASROK AA58276
STBY BCAST 176199 CLG

JANUARY 13, 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-015-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-056-T-420.61-CWW/SCB/ADB/GMK

CC: AMOCO AUSTRALIA PETROLEUM COMPANY TX: AA58162
- HOBART ATTN: A.D. BECKETT
ABB-AUP-009-T-420.61-CWW/SCB/ADB/GMK

JANUARY 11, 1986

DATE : 11 JANUARY, 1986
REPORT NO. : 17
DAYS FROM SPUD : 14
TD : 2408.6 METERS (7,902 FT)
PROGRESS : 246 M (807 FT)
MUD PROPERTIES : MW - 9.1, VIS - 49, API FL - 4.8
LAST CASING : 13-3/8 AT 1753.8 METERS (5,754 FT)
FCCT - 14.7 PPG
DAILY COST (USD) : 92,889 CUM. COST : 1,913,746 (CORR)
PRESENT OPERATION : DRILLING.
OPERATIONS SUMMARY : DRILL AND SURVEY FROM 2162.6 - 2408.6 M
(7,095 - 7,902 FT)

JANUARY 12, 1986

DATE : 12 JANUARY, 1986
REPORT NO. : 18
DAYS FROM SPUD : 15
TD : 2409.8 METERS (7906 FT)
PROGRESS : 1.2 M (4 FT)
MUD PROPERTIES : MW - 9.1, VIS - 46, API FL - 5.3
LAST CASING : 13 3/8' AT 1753.8 METERS (5754 FT)
FCCT - 14.7 PPG
DAILY COST (USD) : 89,612 CUM. COST : 2,003,358
PRESENT OPERATION : REPAIR UPPER ANNULAR
OPERATIONS SUMMARY : DRILL 2408.6 - 2409.8 M (7902 - 7906 FT). POOH
TO SHOE, HANG OFF ON MPR. UNLATCH AND PULL
LMRP. REPAIR UPPER ANNULAR PORTION.

JANUARY 13, 1986

DATE : 13 JANUARY, 1986
REPORT NO. : 19
DAYS FROM SPUD : 16
TD : 2409.8 METERS (7906 FT)
PROGRESS : 0
MUD PROPERTIES : MW - 9.1, VIS - 45, API FL - 5.3
LAST CASING : 13 3/8' AT 1753.8 METERS (5754 FT)
FCCT - 14.7 PPG
DAILY COST (USD) : 88,870 CUM. COST : 2,092,228
PRESENT OPERATION : RETRIEVE HANG OFF ASSEMBLY
OPERATIONS SUMMARY : REPAIR UPPER ANNULAR PREVENTER. RUN AND LATCH
LMRP, RETRIEVE HANG OFF ASSEMBLY.

DAILY GEOLOGICAL REPORTS

JANUARY 11, 1986

DRILLED INTERVAL (TO 0600HRS): 2162 - 2408.6M (7095-7902FT)
SAMPLED INTERVAL (TO 0600HRS): 2154 - 2399 M (7067-7871FT)
CORRELATION/FORMATION TOPS: WITHIN EVCM

SHOW SUMMARY

NO SHOWS - SEE COALS HOWEVER.

LITHOLOGY SUMMARY

2154 - 2164.5M FINELY INTERBEDDED SST - CLST WITH RARE COAL BEDS:
(7067-7101FT) AS RECORDED YESTERDAY.

2164.5- 2231M INTERBEDDED SST AND CLST AND COAL (COALS THICKER AND
(7101-7319FT) MORE FREQUENT).

COAL: BLK, VIT LUSTRE, OCC FINELY LAM, HARD AND
BRITTLE WITH SUB-CONCHOIDAL FRAC, ASSOC WITH TR OF
MED-RED-BRN RESIN WHICH HAS A MOD WH-GRN/WH FLUOR.

CLYST:

(I) LT OL GY, TR SLTY AND V F GR SDY, TR MICA, MOD
MICROCARB, TR DOL, V SFT-OCC FIRM.

(II) BRN GY- OL GY WITH BLK CARB SPECKS,
TR SLTY, V CARB, AS THIN STREAKS AND
LAMINATIONS, GRDG COALY IN PT, MOD MICA, TR
DOL, FRI-FIRM, BLKY-SUBFIS.

SST: WH, SUPERFINE - F GR, OCC M GR, A-SR, MOD SRD,
15-20% WH CLY MTX, UP TO 25% WH DOL CMT, TR-RARE
PY AND SIL CMTS, RARE MICA, TR CARB, FRI-FIRM,
VIS POR (5-15%).
TR DOL: LT BRN, MICROXLN, HARD, ANG FRAGS

2231 - 2267M

(7319-7438FT)

SST:

(I) LSE GRS - CLR AND MLKY, VF-C GR, DOM M GR,
A-SA, OCC SR, V PRLY SRD.

(II) AGGS- WH, VF-M GR, 10-15% WH CLY MTX AND
10-15% WH DOL CMT.
VIS POR (20-25%).

2267 - 2274M

(7438-7460FT)

CLST: DOM LT BRN GY AND WH TR SLTY V F GR SDY, TR
MICCARB V SFT BLK CARB SPECKS, V CARB AS THIN
STREAKS AND LAMS, BLKY-SUBFIS.

2274 - 2292.5M

(7460-7521FT)

SST: AS FOR 2231 - 67M

2292.5 - 2377M

(7521-7798FT)

I/B SST, CLST AND COALS WITH SST OCCURRING AS
DISCRETE THICK BEDS

CLST: WH-LT BRN GY- V PL ORNG, TR-MOD SLTY, AND
SUPERFINE QTZ SDY IN PT GRDG TO SLTST AND
SUPERFINE SST, TR-MOD CARB, TR MOD MICA, OCC V SFT,
PLATEY-SUBFIS.

SST:

(I) 2332-41M WH-V PL ORNG, VF-M GR, DOM F GR, DOM
AS AGGS, RARE LSE C GR, A-SR, MOD SRD, 10-15%
WH AND LT BRN CLY MTX, 10-15% WH DOL CMT IN
PT, TR SIL CMT, TR CARB, FRI-OCC FIRM,
VIS POR (10-20%).

(II) 2352-58M DOM AS LSE GRS, M-C GR, A-SA, V W
SRD, TR WH CLY MTX AND TR SIL CMT, VIS POR
(20-30%).

COALS: A/A

2377- 2399M

(7798-7871FT)

SST: WH - V PL ORNG, V F-M, DOM F GR, OCC SUPERFINE
WITH M GRS LSE, A-SR, PR-MOD SRD, 10-15% WH AND LT
BRN CLY MTX, 10-15% WH DOL CMT IN AGGS IN PT, TR
SIL CMT, MICA AND CARB MAT, FRI, VIS POR (10-20%).

GAS SUMMARY

BACKGROUND GAS: 6 UNITS (0.12%)
COMPOSITION C1 = 476, C2 = 26, C3 = 5
MAXIMUM GAS: DEPTH 2345M (7693FT), 50 UNITS (1.0%)
COMPOSITION C1 = 9008, C2 = 610, C3 = 275, IC4 = 73
NC4 = 39 (COAL).

TRIP GAS: NIL

CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2265M (7431FT), 85 M/HR (279 FT/HR)
MINIMUM ROP: DEPTH 2271M (7451FT), 4 M/HR (13 FT/HR)
AVERAGE ROP: 12 M/HR (40 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.87 - 1.77 DXC AVERAGE
SHALE DENSITY, RANGE: - AVERAGE
SHALE FACTOR, RANGE: - AVERAGE
TEMP OUT: 53 DEG C TEMP IN: 53 DEG C
MUD WT. IN: 9.1 PPG MUD WT. OUT: 9.1 PPG ECD: 9.24 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 15.7 PPG EMW

JANUARY 12, 1986

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DRILLED INTERVAL (TO 0600HRS): 2408.6 - 2409.8M (7902-7902FT)
SAMPLED INTERVAL (TO 0600HRS): 2399 - 2408.6M (7871-7902FT)
CORRELATION/FORMATION TOPS: -

SHOW SUMMARY

NO SHOWS

LITHOLOGY SUMMARY

2399 - 2409.8M I/B SST AND CLST
(7871-7902FT)

CLST OL GY - LT OL GY AND V CARB, TR-MOD SILTY IN PT,
NIL - TR DOL, FRI-FIRM, PLATEY - SUBFIS.

SST: WH - V PL ORNG, F-M GR, DOM F GR, A-SA, W SRD,
15-20% WH AND MINOR LT BRN CLY MTX, 0-5% WH DOL CMT,
TR-5% SIL CMT, RARE LT GY FELD, TR CARB WHERE
GRDG TO COALY CLST, FRI, VIS POR (5-10%).

GAS SUMMARY

BACKGROUND GAS: 10 UNITS (0.20%)
COMPOSITION C1 = 1124, C2 = 65, C3 = 32, IC4 = 8
MAXIMUM GAS: DEPTH 2397-2400M (7864-7874FT), 12 UNITS (0.24%)
COMPOSITION C1 = 1839, C2 = 105, C3 = 47, IC4 = 21

TRIP GAS: NIL

CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2407M (7897FT), 20 M/HR (66 FT/HR)
MINIMUM ROP: DEPTH 2409M (7904FT), 3.9M/HR (13 FT/HR)
AVERAGE ROP: 14 M/HR (46 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.96 - 1.86 DXC AVERAGE
SHALE DENSITY, RANGE: - AVERAGE
SHALE FACTOR, RANGE: - AVERAGE
TEMP OUT: 53 DEG C TEMP IN: 53 DEG C
MUD WT. IN: 9.1 PPG MUD WT. OUT: 9.1 PPG ECD: 9.2 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 15.7 PPG EMW

REGARDS,

C.W. WARING

AMOCO AUSTRALIA PETROLEUM COMPANY

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