

AUGUST 10, 1985

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DRILLING WIRE - YOLLA NO. 1 - BASS BASIN, AUSTRALIA
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AMOCO CORPORATION - CHICAGO TX: 01/234991785+
ATTN: D.B. WILKIE MC 4502
B.G. NEWTON MC 4703
CH-AUP-104-T-933.2-CWW/SCB/ADB

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

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

MISC-AUP-479-T-933.2-CWW/SCB/ADB

CC: AMOCO PRODUCTION COMPANY - HOUSTON TX: 020/236868237+
ROBERT L. BLANTON - ROOM NO. 2.490
ATTN: F.J. ALLEN, JR. - ROOM NO. 6.155
J.C. STRICKLAND - ROOM NO. 2.470
W.R. MOEHL - ROOM NO. 2.232
HO-AUP-323-T-933.2-CWW/SCB/ADB/GMK/BFW

CC: AMOCO AUSTRALIA PETROLEUM COMPANY TX: AA58162
- HOBART ATTN: W.C. COWAN
ABB-AUP-079-T-933.2-CWW/SCB/ADB/GMK

DATE : 10 AUGUST 1985
REPORT NO. : 68
DAYS FROM SPUD : 63
TD : 10015 FT. (3053 M)
PROGRESS : 348 FT. (106 M)
MUD PROPERTIES : MW - 9.6, VIS - 42, API FL - 5.7
LAST CASING : 13-3/8" AT 5749 FT. (1752 M),
FCCT - 13.6 PPG
DAILY COST (USD) : 94,078 CUM. COST : 7,578,293
PRESENT OPERATION : DRILLING
OPERATIONS SUMMARY : DRILLED TO 9800 FT. (2987 M). CIRCULATED
SAMPLE. DRILLED TO 10015 FT. (3053 M).

GEOLOGICAL REPORT
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LITHOLOGIC SUMMARY

2941-3022M (9649'-9914') INTERVAL DOM, SH AND SLTY SH WITH I/B SLTSTS
AND SSTS (1-4M THICK).

SH : (10-90 PC) : M BRN AND DK GY VARIETIES M BRN - V SHLY GRDG TO V
SHLY SLTST, ABNT CARB MAT, ABNT MICA, MOD BRT, TRANSP-MLKY CRUSH CUT
FL. DK GY - ABNT MIC CARB AND MICMICA AND PY, OCC MOD SLTY,
SUBFIS-FIS, DOM FNT - MOD BRT TRANSP BL-WH CRUSH CUT FL.

SLTST : OCC F GR SDY, GRDS TO SLTY SH, ABNT CARB MAT AND MICMICA, DOM
BRT-OCC V BRT TRANSP-SL MLKY BL-WH CRUSH CUT FL, OC SL STRMG.

* SST : (0-90 PC) IN BEDS 2947-50M, 2954-55M, 2964-66M, VF-FGR, CLY
MIX, 10-25 PC VIS POR, PATCHY - EVEN LT BRN OIL STN, BRT EVEN YEL FL,
CLR CRUSH CUT, BRT - V BRT INST - FAST STMG MOD MLKY BL-WH CRUSH CUT.

SST : (0-90 PC) IN BEDS 1-4M THICK OVER INTERVAL 2969-3017M. DOM M
GR, OCC C-VC GR, DOM LSE AND UNCONS ABNT MICCARB AND MICMICA, V FRI,
VIS POR 10-20 PC, PATCHY M BRN RESINOUS DEAD OIL STN AND PATCHY-EVEN
LT BRN RESIDUAL OIL STN, PL TRANSP BL-WH CRUSH CUT FL.

COAL : (50 PC) 3011-12M, SUBBIT-LIGNITIC, GRDG TO LIGNITIC SH, V BRT
INTENSE INST. TRANSP BL-WH CUT FL.

3022-3031M : HIGHLY WEATHERED PYROCLASTICS (100 PC)

(9914'-9944') WEATHERED TO BENTONITIC CLY, ABNT FELD XTLS, NO CUTS.

3031-3040 : ACID VOLCANICS (100 PC) *Weathered basal*

(9944'-9974') HIGHLY WEATHERED FINE GRAINED ACIDIC, FELD RELICTS,
FREE QTZ, OCC AMPHIOLE/PYROXENE, NO CUTS.

GAS SUMMARY

BACKGROUND GAS : 0.1 PC (5 UNITS) C1=518PPM.
MAXIMUM : GAS AT 2768M (9738') : 14.58 PC (709 UNITS) C1=61846,
C2=12654, C3=3834, TC4=838, NC4=234 PPM SANDSTONE

CONNECTION GAS : ABSENT
TRIP GAS : NO TRIP

MAX ROP AT 2983M (9788') : 89M/HR (294')
MIN ROP AT 2959M (9711') : 3M/HR (10')
AUG ROP : 5.5M/HR (18')

PRESSURE PARAMETERS

DXC : 0.81-1.86
SH DENSITY : 2.6
TEMP OUT : MAX/MIN 157/154F
TEMP IN : 144
MW IN : 9.7 PPG (ECD=10.14)
EST PORE PRESS : 9.4-9.5 PPG
FRAC GRAD : UNKNOWN BEYOND 13.6 PPG (13 3/8" CSG).

OTHER GAS PEAKS

* 2948M (9672') : 9.65 PC (483 UNITS) C1=55044, C2=11027, C3=8984,
IC4=1992, NC4=2597.

2990M (9810') : 12 PC (600 UNITS) C1=57778, C2=3872, C3=1658,
IC4=335, NC4=387.

1. PALYNOLOGY : ON CTGS COMPOSITES

1. 2774-83M : APPARENTLY MIDDLE M. DIVERSUS, BUT MAY BE CAVED A SHORT
DISTANCE, MARINE, MATURE.
2872-81M : L. BALMEI, PROB UPPER, NON-MARINE LACUSTRINE, MATURE.

2. ORGANIC PETROLOGY : ON CTGS COMPOSITES.

2774-83M : VRO=0.86 PC, RANGE 0.59-1.02 PC, LESS THAN 5 PC EXINITE IN
- SAMPLES. THE LARGE RANGE OF REFLECTANCE VALUES PROBABLY RESULTS
FROM THE EFFECTS OF CAVED CTGS AND THE HEATING EFFECTS OF THE NEARBY
SERIES OF SILLS.

REGARDS
C W WARING
AMOCO AUSTRALIA PETROLEUM COMPANY