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329510

SHOW SUMMARY

NO OIL SHOWS (NO NATURAL FLUOR, STAIN, CUT OR CUT FLUOR)

LITHOLOGY SUMMARY:

2566 - 2579M (8420-8461') CLYST: BRN TO GRY-BRN, SFT TO SL FIRM, VAR SLTY, NON CALC, VAR CARB WITH OCC THIN BD COAL.

COAL: BLK, BRIT, ANTHRACITIC - POSS DEC GRADE.

2579 - 2584M (8461-8478') COAL: BLK, BRIT, HD WITH THIN INTBD CLYST.

CLYST: BRN, AS ABOVE, IN PT SLTY AND RARE THIN SLTST.

SLTST: BRN-GY, FIRM V ARG, SL CARB.

2584 - 2607M (8478-8553') CLYST: BRN TO BRN-GRY INC GRY BELOW 2595M, SFT TO FIRM, NONCALC, VAR SLTY AND CARB, THIN COAL BDS IN TOP OF INTERVAL. RARE THIN SLTST. RARE V THIN SST BDS BELOW 2592M.

SST: WH, VF GR, GRD TO SLTST, FIRM TO FRI, SIL IN PT AND ARG IN PT, PR VIS POR. APPROX 10%.

SLTST: GRY-BRN, ARG, FIRM.

GAS SUMMARY

BACKGROUND GAS: 1-2 UNITS (0.02 - 0.04%)
COMPOSITION: C1, TR C2, TR C3
MAXIMUM GAS: DEPTH 2583M (8420 FT), 27 UNITS (0.54%)
COMPOSITION: C1 = 4140 C2 = 230 C3 = 25
TRIP GAS: DEPTH 2566.6M (8420 FT), 2 UNITS (0.04%)
COMPOSITION: C1 = 350 C2 = 21 C3 = 15
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2569 M (8428 FT), 35 M/HR (115 FT/HR)
MINIMUM ROP: DEPTH 2597.5M (8521FT), 3 M/HR (10 FT/HR)
AVERAGE ROP: 4.4 M/HR (14 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.1 - 1.8 DXC AVERAGE: 1.65
SHALE DENSITY, RANGE: AVERAGE:
SHALE FACTOR, RANGE: 2 - 8 AVERAGE:
TEMP OUT: 45 DEG C TEMP IN: 37 DEG C
MUD WT. IN: 9.4 PPG MUD WT. OUT: 9.45 PPG ECD: 9.5 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 14.9 PPG EMW

COMMENTS

1. ALL GAS PEAKS ARE ASSOC WITH COAL BEDS AND ARE DECREASING IN MAGNITUDE WITH DEPTH.
2. PALEONTOLOGY

PRELIMINARY PALEONTOLOGIC ANALYSES HAVE DETERMINED THE FOLLOWING AGES IN TILANA - 1:

DEPTH (M)	SYSTEM
700	MIDDLE MIOCENE
990	TOP EARLY MIOCENE
1250-60	FIRST INDICATIONS OF VOLCANICS
1400	OLIGOCENE (UNDERFINED)
1530	TOP LATE EOCENE

REGARDS,
C.W. WARING
AMOCO AUSTRALIA PETROLEUM COMPANY