LITHOLOGY SUMMARY

3672 - 3692M (12047-12113FT) GABBRO WITH SHALE AND SLTST FRAG (XENOLITHS?)

GABBRO: M GRN WITH WH, M TO C GR, ABUN BK MAFIC MIN, V HD, MOD CALC IN PT, OCC FREE CALCITE.

SH/SLTST: M TO DK BRN, BAKED, EXT HD, CARB, NONCALC.

3692-3702M (12113-12146FT) SHALE/SLTST WITH INTRUSIVE AND EXTRUSIVE IGN RK.

SH/SLTST: M TO DK BRN, SFT TO FIRM AND V HD IN PT, CARB AND NON-CALC.

TUFF: WH, V LT GRN-GRY, SFT, MOD CALC IN PT

GABBRO: M GRN WITH WH, ABUN BK AND DK GRN MAFICS, C GR, V HD MOD CALC IN PT.

GAS SUMMARY

BACKGROUND GAS: 4 - 5 UNITS (0.08-0.10%)
COMPOSITION: C1 - C4
MAXIMUM GAS: DEPTH NO PEAKS
TRIP GAS: DEPTH 3694.3M (12120FT), 65 UNITS (1.3%)
COMPOSITION: C1=5713: C2=643: C3=440: IC4=83: NC4=131 C5=58.
CONNECTION GAS: NONE

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3687.8M (12099FT), 5.6 M/HR (18FT/HR)
MINIMUM ROP: DEPTH 3699.1M (12136FT), 1.54M/HR (5 FT/HR)
AVERAGE ROP: 2.6 M/HR (9 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.5 - 1.9 DXC AVERAGE 1.8
SHALE DENSITY, RANGE: - AVERAGE
SHALE FACTOR, RANGE: - AVERAGE
TEMP OUT: 62 DEG C TEMP IN: 61.2 DEG C
MUD WT. IN: 9.8 PPG MUD WT. OUT: 9.7 PPG ECD: 10.0 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 15.2 PPG EMW

COMMENTS

SUBJECT: ORGANIC PETROLOGY OF TILANA - 1

DEPTH (M)
3390-99
3435-44

BOTH SAMPLES CONSIST CHIEFLY OF TUFFS. CLASTIC SEDIMENTS CONSTITUTE LESS THAN 5% OF EACH SAMPLE AND HAVE CAVED FROM STRATIGRAPHICALY HIGHER UNITS.

REGARDS,
C.W. WARING
AMOCO AUSTRALIA PETROLEUM COMPANY

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