

## LITHOLOGIC SUMMARY

3288 - 3312M VOLC WITH MINOR THIN INTBD SLTST, SH AND POS COAL.  
(10787'-10805')

VOLC: BASALTS AND TUFFS, V HIGHLY WEATHERED, MULTI-COLOURED, SFT, AMYGDALOIDAL, CALC.

SLTST: DK BRN, FIRM, V ARG, NONCALC.

SH: DK BRN TO BUFF-BRN, VAR CARB AND SLTY, HD TO MOD SFT, NONCALC, OCC F TO C SUBANG-SUBRND QTZ.

COAL: BK, HD, ANTHRACITIC, SUBCONCH FRAC, IN PT DK BRN, BK, MOD SFT, BLKY FRAC.

## GAS SUMMARY

BACKGROUND GAS: 4 UNITS (0.08%)

COMPOSITION: C1-NC4: 428, 22, 21, 1 AND 5 PPM RESP.

MAXIMUM GAS: DEPTH 3291M (10,798FT), 6 UNITS (0.12%)

COMPOSITION: C1-NC4: 723, 62, 41, 5 AND 10 PPM. RESP.

TRIP GAS: NIL

CONNECTION GAS: NIL

## RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3307M (10,850FT), 13.3 M/HR (44 FT/HR)

MINIMUM ROP: DEPTH 3291M (10,798FT), 1.4 M/HR (4 FT/HR)

AVERAGE ROP: 3.4 M/HR (11 FT/HR)

## PRESSURE PARAMETERS

DXC, RANGE: 1.44 - 2.09 DXC AVERAGE: 1.90

SHALE DENSITY, RANGE: - AVERAGE

SHALE FACTOR, RANGE: - AVERAGE

TEMP OUT: 59 DEG C TEMP IN: 56 DEG C

MUD WT. IN: 9.3 PPG MUD WT. OUT: 9.3 PPG ECD: 9.4 PPG

EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 14.2 PPG EMW

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