

LITHOLOGY SUMMARY

2052 - 2154M FINELY INTERBEDDED SST AND CLST WITH RARE COAL BEDS
(6732-7067FT)

(I) CLST (UP TO 25% IN PARTS) LT BRN GY, MOD SLTY AND VF GR SDY, GRADING AND INTERLAM WITH SST, MOD CARB AND MICA, BLKY-SUBFIS.

(II) CLST (UP TO 60% IN PART) MOTTLED LT BRN GY AND WH, MOD SLTY AND V F GR SDY, TR CARB AND PY, V SFT, FIRMER AND DOLOMITIC BELOW 2130M (6988FT).

SST (UP TO 70%): WH - V LT GY, VF-F, OCC M GR, A-SR, 10-15% WH CLY MTX, OCC FRAGS WITH UP TO 25% WH DOL CMT BCMG MORE COMMON BELOW 2130M, FRI-FIRM IN PT, VIS POR (5-15%).

COAL: 2070-71M AND 2096-97M, GY BLK, MOD-SUBVIT LUSTRE, BLKY-SUBCONCH FRAC, HD AND BRITTLE.

RARE DOL (BELOW 2150M): LT BRN, MICROXLN WITH TR QTZ SLT AND V F SAND, RARE PY, HARD, ANG FRAC.

GAS SUMMARY

BACKGROUND GAS: 1 UNIT (0.02%)
COMPOSITION C1 - 59PPM, C2 -
MAXIMUM GAS: 2144M (7034FT), 1.5 UNITS (0.03%)
COMPOSITION C1 - 102, C2 -
TRIP GAS: NIL
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2144M (7034FT), 50 M/HR (164 FT/HR)
MINIMUM ROP: DEPTH 2125M (6972FT), 2.5M/HR (8 FT/HR)
AVERAGE ROP: 9.5 M/HR (31 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.92 - 1.71	DXC AVERAGE
SHALE DENSITY, RANGE:	AVERAGE
SHALE FACTOR, RANGE:	AVERAGE
TEMP OUT: 49.9 DEG C	TEMP IN: 49.9 DEG C
MUD WT. IN: 9.1 PPG	MUD WT. OUT: 9.1 PPG
	ECD: 9.23 PPG
EST PORE PRESSURE: 8.7 PPG EMW	EST FRACTURE PRESSURE: 14.8 PPG EMW
	AT 2156M

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