

LITHOLOGY SUMMARY

2460 - 2471M DOM CLYST WITH ABUN SST INTBD AND TR DOL AND COAL.
(8070-8107') CLYST: PL ORNG TO YEL-BRN, MOD PY, CARB, MICA, VAR SLTY
GRD TO SLTST.

SST: WH TO PL ORNG, V F GR GRD TO SLTST, SUBANG, MOD
SRT, VARG, SIL, OCC V CALC, MICA, CARB, HD, PR VIS POR.

2471 - 2487M DOM SST WITH MINOR CLYST AND TR DOL.
(8107-8159') SST: WH, VF TO F GR, OCC M GR, SUBANG, OR SRT, POOR TO
FAIR VIS POR.

2487 - 2566M INTBD CLYST, SST, COAL AND TR DOL.
(8159-8420') CLYST: M BRN, SFT TO FIRM, NON CALC, VAR CARB, SLTY OCC
GRD TO SLTST. DOM AT 2487-2502M, 2511-20M AND 2529-59M.

SST: WH, VF TO F GR, OCC M GR, SUBANG, MOD SRT, HD IN
PR, OCC SIL CMT, FRI IN PT, ARG AND CALC CMT. V PR TO
FAIR VIS POR. DOM AT 2502-11M, 2527-29M.

COAL: BK, HD, BRIT, MASS, ANTHRACITIC. DOM AT 2520-27M,
2559-66M.

NO SHOWS IN SECTION

GAS SUMMARY

BACKGROUND GAS: 1-2 UNITS (0.02-0.04%)
COMPOSITION C1, C2, C3.

MAXIMUM GAS: DEPTH 2521.5M (8273 FT) 71 UNITS (1.42%)
COMPOSITION C1=9991 C2=150 C3=45 C4=TRACE
CONNECTION GAS: NIL

RATES OF PENETRATION:

MAXIMUM ROP: DEPTH 2522.8M (8277 FT) 24.0 M/HR (80 FT/HR)
MINIMUM ROP: DEPTH 2559.3M (8396 FT) 2.0M/HR (6.5FT/HR)
AVERAGE ROP: 4.3 M/HR (14 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.3-1.9 DXC AVERAGE 1.75
SHALE FACTOR, RANGE: 1-6 AVERAGE 2
TEMP OUT: 44.7 DEG C TEMP IN: 37.5 DEG C
MUD WT. IN: 9.6 PPG MUD WT. OUT: 9.7 PPG ECD: 9.7 PPG
EST PORE PRESSURE: 8.7 PPG EMW. EST FRACTURE PRESSURE: 14.9 PPG EMW

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