

LITHOLOGIC SUMMARY

2607 - 2721M INTERVAL OF INTBD SST AND CLYST WITH OCC THIN COAL BDS
(8553-8927') AND STRKS.

SST: DOM WH; V F TO F GR WITH OCC TO ABUN M AND C GR
UNCONSOL ESP. BELOW 2668M. SUBANG TO SUBRND, W TO PR
SRT; FIRM TO FRI; SL SIL AT TOP TO W CMT WITH WH CLY,
VIS POR 8-12%. NO SHOWS - SST DOM AT 2614-20M, 2644-54M,
2668-85M (BECOMES C GR); 2710-21M.

CLYST: BRN, SFT, VAR CARB; VAR SLTY; NONCALC.

COAL: BK; HD; BRIT; CONCH FRAC; ANTHRACITIC. SL LESS
MATURE AND LESS HD BELOW 2691M.

GAS SUMMARY

BACKGROUND GAS: 2 UNITS (0.04%)
COMPOSITION: C1 220, C2 20, C3 10
MAXIMUM GAS: DEPTH 2702 M (8865 FT), 16 UNITS (0.32%)
COMPOSITION: C1, 3036PPM; C2 133, C3 93, IC4, 10,
NC4, TR
TRIP GAS: NIL
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 2707M (8881 FT), 43 M/HR (141 FT/HR)
MINIMUM ROP: DEPTH 2699M (8854 FT), 1.8 M/HR (6 FT/HR)
AVERAGE ROP: 5.4 M/HR (18 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.00 - 1.95 DXC, AVERAGE: 1.60
SHALE DENSITY, RANGE: AVERAGE:
SHALE FACTOR, RANGE: 1 - 3 AVERAGE: 2
TEMP OUT: 51 DEG C TEMP IN: 44 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: 14.7 PPG EMW

COMMENTS

PALYNOLOGY OF TILANA - 1

2043-52M, 2295-2304M: TOTALLY BARREN OF PALYNOMORPHS
2394-2403M, 2493-2502M: MIDDLE M. DIVERSUS ZONE: EARLY EOCENE:
MARINE : MATURE FOR LIQUID HYDROCARBONS

REGARDS
C.W. WARING
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