

LITHOLOGY SUMMARY

450457

1350 - 1596M DOM CLAYSTONE INTERBEDDED WITH MINOR BIOCALCARENITE,
(4429-5236FT) AND LIMESTONE (AS THIN INTERBEDS BELOW 1470M) AND
SILTSTONE (FINELY ? LAMINATED WITH CLAYSTONE BELOW
1560M).

CLAYSTONE (90% DECR TO 70-75% BELOW 1560M) TR-MOD CALC
MATRIX DECR WITH DEPTH, OCC-RARE M-C GR FOSSIL FRAGS
DECR WITH DEPTH PROBABLY INTERBEDDED WITH GRY-BR TO BR
CLYST BECOMING BROWNER WITH DEPTH WITH TR-MOD ABUN SLT,

BIOCALCARENITE (TR TO 10%) - PRESENT ONLY AS FREE
FOSSIL FRAGS

LIMESTONE (TR - 10% IN CUTTINGS BELOW 1470M, INFERRED
AS THIN INTERBEDS)

- HD, MICROXTLN, VARIABLY DOLOMITIC AND SILICEOUS IN
PART GRDG TO CHERT?

SILTSTONE (10-30%?, BELOW 1560 ONLY, INFERRED AS THIN
LAMINAE AND INTERBEDS, INCR WITH DEPTH)

GRDG IN PLACES TO VF SST, OCC VF-F FOSSIL FRAGS TR-MOD
ABUN CLY MATRIX

- VAR 10-20% CALC CMT POOR-MOD (5-15%) VIS POR.

GAS SUMMARY

BACKGROUND GAS: 2-5 UNITS (0.04-0.1%)
COMPOSITION C1, C2, TR C3, RARE TR C4
MAXIMUM GAS: DEPTH 1490M (4888 FT), 10 UNITS (0.2%)
COMPOSITION C1 - 1650, C2 - 12, C3 - 15
TRIP GAS: DEPTH 1538M (5045FT), 5 UNITS (0.1%)
COMPOSITION C1 - 50, C2 - 12, C3 - 4
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 1487M (4878FT), 60 M/HR (197 FT/HR)
MINIMUM ROP: DEPTH 1601M (5252FT), 15 M/HR (49 FT/HR)
AVERAGE ROP: 23.4 M/HR (78 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.2 - 1.4 DXC AVERAGE: 1.25
SHALE DENSITY, RANGE: - AVERAGE
SHALE FACTOR, RANGE: AVERAGE
TEMP OUT: 46 DEG C TEMP IN: 44 DEG C
MUD WT. IN: 9.1 PPG MUD WT. OUT: 9.3 PPG ECD: 9.3+ PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 15 PPG EMW

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