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LITHOLOGY SUMMARY

3002.2 - 3020.5M (9850-9910FT) DOMINANTLY CLST WITH MINOR SST AND THIN COALS

CLST: VARYING LT BN-GY, GY-BN-BLK, TYPICALLY MOD-V CARB AS THIN DISCO MICRO LAMIN OR FLECKS, OCC GRDG V CARB AND COALY, 5-10% SILTY NON-CALC.

SST: WH-OCC PK/GY, EQUALLY AS LSE GRS AGGS, VF-F GR - BECOMING MORE M GR BELOW 3015M (9892FT), UP TO 20-25% WH CLY AND CALC CMT, TR SILICA CMT AS AUTHOGENIC OVERGROWTHS FAIR VIS POROSITY (10-15%).

COAL: 3004-05M (9855-9859FT), BLK, METALLIC LUSTRE, OCC MICROLAMINATED, CONCH FRAC, BLKY, BITUMINOUS GRADE.

GAS SUMMARY

BACKGROUND GAS: 1.5-6 UNITS (0.03-0.12%)
COMPOSITION C1 - C2
MAXIMUM GAS: DEPTH 3018M (9901FT), 15 UNITS (0.3%)
COMPOSITION C1 = 2000, C2 = 200, C3 = 150
TRIP GAS: DEPTH 3002M (9850FT), 120 UNITS (2.4%)
COMPOSITION 11340PPM C1, 897PPM C2, 935PPM C3, 245 PPM IC4, 198 PPM NC4, 63 PPM C5.
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3018.5M (9903FT), 25 M/HR (82 FT/HR)
MINIMUM ROP: DEPTH 3008.5M (9870FT), 2-3 M/HR (7.5 FT/HR)
AVERAGE ROP: 4 M/HR (13.1 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.16 - 1.86
TEMP OUT: 50 DEG C TEMP IN: 48 DEG C
MUD WT. IN: 10.2 PPG MUD WT. OUT: 10.0 PPG ECD: 10.6 PPG
EST PORE PRESSURE: 8.9 PPG EMW EST FRACTURE PRESSURE: 18.02 PPG EMW

REGARDS,
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