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LITHOLOGY SUMMARY

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1962 - 1989M (6437-6526')	INTERVAL OF INTERBD F TO M GR SST AND SLTST WITH SST PREDOM AT 1962-71M (80-100%) AND SLTST PREDOM AT 1971-89M (70-90%). 0-10% VIS POR.
1984 - 2016M (6526-6614')	INTERVAL DOM VF TO M GR SST WITH INTERBD SLTST ESP AT 1989-92M(30-40%) AND ALTERED VOLC ASH ESP. AT 1992-95M (10%), 2001-04M (30%) AND 2004-07M (20%). THE ASH BECOMES ABUN BELOW 2007M (5-10%) BUT BECOMES SLTY. 5-10% VIS POR.
2016 - 2020M (6614-6627')	INTERVAL DOM. M TO C GRN SST CONTINUING FR ABOVE SEQUENCE BUT BECOMING HDER AND INTBD WITH VOLC ASH (10%) AS ABOVE.
2020 - 2052M (6627-6732')	INTERVAL CAPPED BY SFT, CLYEY VOLC ASH AS ABOVE FOLLOWED BY A THIN (0.5M.) BED OF WELDED TUFF, FOLLOWED BY MED TO DK BASIC TO INTERMED. VOLC. IGNEOUS ROCK. (TENT. CLASSIFIED AS DOLERITE TO DIORITE)...

GAS SUMMARY

BACKGROUND GAS: 0 - 0.1 UNITS (0 - 0.002%)
COMPOSITION: C1
MAXIMUM GAS: DEPTH 2019 M (6623 FT), 0.4 UNITS (0.008%)
COMPOSITION: C1, C2
TRIP GAS: DEPTH 2007 M (6568 FT), 0 UNITS (0%)
COMPOSITION:
CONNECTION GAS: NIL

RATES OF PENETRATION:

MAXIMUM ROP: DEPTH 2041.8M (6699FT), 26.5 M/HR (87 FT/HR)
MINIMUM ROP: DEPTH 2046.2M (6713.3FT), 1.07 M/HR (3.5 FT/HR)
AVERAGE ROP: 4.9 M/HR (16.3 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.1 - 2.04 DXC AVERAGE: 1.6 (INTRUSIVE)
SHALE DENNNSITY, RANGE: - AVERAGE:
SHALE FACTOR, RANGE: - AVERAGE:
TEMP OUT: 40.5 DEG C TEMP IN: 34.5 DEG C
MUD WT. IN: 9.0 PPG MUD WT. OUT: 9.1-9.2 PPG ECD: 9.1 PPG
EST PORE PRESSURE: 8.7 PPG EMW EST FRACTURE PRESSURE: 18 PPG EMW (DIORITE)

COMMENTS

1. IGNEOUS RK LOOKS VERY SIMILAR TO SILL IN YOLLA -1 AT APPROX 2650M.
2. SAMPLE QUALITY GOOD.