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329496

DAILY GEOLOGICAL REPORT, TILANA NO.1

LITHOLOGY SUMMARY

1779 -1875M (5837' -6152') INTERVAL DOM M TO VC UNCONSOL SST WITH THIN INTERBDS OF SLTST (ESP AT 1848-51M (35%), 1854-57M (30%), 1860-63M (50%), 1869-75M (35%), THIN COALS ESP AT 1806-12M (35%) AND 1857-60M (30%)AND THIN CLYST ESP AT 1815-18M (70%) AND 1818-21M (40%). ABUN MUSC THROUGHOUT.

1875-1893M (6152'-6211') INTERVAL DOM VF GR SST WITH INTBD CLYST ESP AT 1884-87M (40%).

1893-1950M 6211'-6398') INTERVAL DOM VF TO F GR SST WIT INTERBD COAL ESP AT 1908-11M (40%), 1929-38M (10%), SLTST ESP AT 1911-14M (40%), 1914-17M (60%), 1917-26M (30%), 1929-41M (15%), CLYST ESP AT 1938-44M (30%) AND DOL LMST ESP AT 1941-50M (30-40%).

1950-1962M (6398'-6437') INTERVAL DOM F TO VC UNCONSOL SST WITH THIN INTERBD COAL AS ABOVE ESP AT 1950-53M (15%), 1953-56M (10%) AND CLYST AS ABOVE ESP AT 1950-53 (10%).

GAS SUMMARY

BACKGROUND GAS: 0.1U - 0.5U (0.002 - 0.01%)
COMPOSITION: C1, RARE C2
MAXIMUM GAS: DEPTH 1806M (5925'), 1.5 UNITS (0.03%)
COMPOSITION: C1, C2, C3
TRIP GAS: DEPTH 1926.4M (6320'), 0 UNITS (0%)
COMPOSITION: -
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 1936M (6352FT), 78M/HR (257 FT/HR)
MINIMUM ROP: DEPTH 1926M (6318FT), 2.4M/HR (8 FT/HR)
AVERAGE ROP: 17.7M/HR (58.2 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.8 - 1.51 DXC AVERAGE: (NB NO.10) 1.25
SHALE DENSITY, RANGE: - AVERAGE:
SHALE FACTOR, RANGE: - AVERAGE:
TEMP OUT: 38 DEG C TEMP IN: 22 DEG C
MUD WT.IN: 9.0 PPG MUD WT.OUT: 9.1-9.4 PPG ECD: 9.2 PPG
EST PORE PRESSURE: 8.7 PPG EMW. EST FRACTURE PRESSURE: 13.2 PPG EMW

COMMENTS

1. SAMPLE QUALITY GOOD.

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