TELEX MESSAGE TELEX MESSAGE TELEX MESSAGE

LITHOLOGY SUMMARY

3762 - 3801M (12342-12470FT) CLST GRDG SLTST WITH OCCASIONAL THIN SST BEDS

CLST: BRN GY-OL GY, OCC LT OL GY, - DARKER VARIETY IS V CARB.
- LIGHTER VARIETY IS TR CARB, COMMON MICMIC. V RARE PY, BECOMING SILTY AND GRDG SLTST IN PT.

OVERALL CLST AND SLTST IS V DISPERSIVE AND WASHING OUT.

SST INTERBEDS: 3772.5-75.5M (12377-12387FT), AND 3797-99.5 (12457-12465FT)
- CLR, WH, V LT GY, F-M GR.
LT BRN CLY MTX, NIL-RARE DOLIC CMT, 15-20% CLR SILICA CMT, LITHIC GRS, PR-FAIR VIS POROSITY, POOR IN LOWER SAND. (5-10%)

RARE COAL: ESP AT 3778.5-79M (12396-12398FT) BLK, METALLIC LUSTRE, CONCH FRAC, HARD, BRTLE AND BLKY, BITUMINOUS - ANTHRACITIC RANK.

GAS SUMMARY

BACKGROUND GAS: 5 UNITS (0.10%)
COMPOSITION C1 = 367, C2 = 69. C3 = 27, IC4 = 1
MAXIMUM GAS: DEPTH 3775.5M (12387FT), 72 UNITS (1.44%)
COMPOSITION C1 = 8270, C2 = 1446, C3 = 649, IC4 = 61, NC4 = 100, C5 = 2
TRIP GAS: DEPTH N.A.
CONNECTION GAS: NIL

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3775M (12385FT), 9.7M/HR (32 FT/HR)
MINIMUM ROP: DEPTH 3799M (12464FT), 0.9M/HR (3 FT/HR)
AVERAGE ROP: 1.9 M/HR (6.2 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.85 - 1.25 DXC AVERAGE: 1.15
TEMP OUT: 41 DEG C TEMP IN: 40 DEG C
MUD WT. IN: 15.0 PPG MUD WT. OUT: 15.0 PPG ECD: 15.5 PPG
EST PORE PRESSURE: 14.8 - 14.9 PPG EMW
EST FRACTURE PRESSURE: 20 - 20.5 PPG EMW

ORGANIC PETROLOGY

1. VITRINITE REFLECTANCE

DEPTH (M)	MEAN MAXIMUM REFELCTANCE(%)	STANDARD DEVIATION	RANGE	NUMBER OF DETERMINATIONS
3717-26	1.23	0.09	1.02-1.41	33

2. BRIEF DESCRIPTION

2.1 LITHOLOGY
3717-26 20-30% COAL , 20-30% SANDSTONE, 20-30% SILTSTONE AND SHALE, 10-20$ CRBONACEOUS SHALE.

2.2 PROPORTIONS OF MACERA [illegible]