LITHOLOGY SUMMARY

4195-4267M (13,764-14,000FT) CLST WITH INTERBEDDED, TO INTERLAMINATED WITH SLST, COAL AND SST.

CLST: HIGHLY WEATHERED AND FRAC SURF TEX, V INDURATED, IN PART MILDLY RE-XTALIZED. V BRIT, COMM DISTORTED LAMINAE. THE TEXTURE IS VERY SIMILAR TO THAT DESCRIBED AS VOLCANICS OVER TO GROSS INTERVAL 3818.5-4032M. THIS TEXTURE APPEARS TO BE AN ARTIFACT OF THE TURBO-DRILL.

SLST: TR TO COMM MICRO-LAMIN TO FLAKY CARB MATT,FIRM TO HD, RARE TO TR DK RDSH/BRN TRANSLUCENT RK FRAGS, IN PART GRDS TO SUPER FN TO V FN SST AS LENSES AND SCATT X-TALS.

COAL: BITUM TO SUB-ANTHR GRD, 4206M, 4211M, 4219M, 4233M?, 4239M?, 4255M.

SST: POORLY REPRESENTED IN SAMPLES, PROB A RESULT OF TURBO-DRILL, 4216-4218M AND 4249-4251M FN TO V FN GRN, PROB SILICA CMT WITH TR CALC CMT,TR TO COMM LITHIC RK FRAGS, VIS POROSITY LESS THAN 10%.

NOTE: 1. TURBO-DRILL STARTED AT 4195.5M
2. MUD LOG: SHEET NUMBER 37, 3950M - 4050M HAS INCORRECTLY RECORDED GAS VALUES, A SCALING ERROR OCCURRED WHEN TOTAL GAS VALUES EXCEEDED 100 UNITS. THIS SHEET WILL BE MAILED SOON.

GAS SUMMARY

BACKGROUND GAS: 70 UNITS (1.40%)
COMPOSITION C1 = 8152, C2 = 1128, C3 = 279, IC4 = 66, NC4 = 50

MAXIMUM GAS: DEPTH 4250M (13944FT), 160 UNITS (3.20%)
COMPOSTION C1 = 21263, C2 = 2537, C3 = 644, IC4 = 40, NC4 = 94

TRIP GAS: DEPTH 4195.5M (13764FT), 493 UNITS (9.86%)
COMPOSITION C1 = 53813, C2 = 8831, C3 = 2705, IC4 = 876, NC4 = 802, C5 = 308
DEPTH 4267M (14000FT), 1330 UNITS (26.6%)
COMPOSITION C1 = 115370, C2 = 18696, C3 = 4408, IC4 = 1319, NC4 = 692, C5 = 329

CONNECTION GAS: 4211M - 52 UNITS, 4221M - 35 UNITS, 4230M - 61 UNITS, 4339M - 180 UNITS, 4248M - 48 UNITS, 4258M - 103 UNITS.

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 4217.5M (13837FT), 11 M/HR (36 FT/HR)
MINIMUM ROP: DEPTH 4260.5M (13978FT), 1.8M/HR (5.9FT/HR)
AVERAGE ROP: 4.4 M/HR (14.4 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.56 - 0.76 DXC AVEAGE: 0.65
TEMP OUT: 38.5 DEG C TEMP IN: 36 DEG C
MUD WT. IN: 15.8 PPG MUD WT. OUT: 15.5PPG ECD: 16.0 PPG
EST PORES PRESSURE: 15.5 - 15.6 PPG EMW
EST FRACTURE PRESSURE: 21 PPG EMW

COMMENTS