TO COMMON CLAY.FAIR TO GOOD POROSITY (10-15%).

450112

GAS SUMMARY

BACKGROUND GAS: 40 - 70 UNITS (0.8 - 1.4%)
COMPOSITION C1 - C4
MAXIMUM GAS DEPTH 3270M (10,728.9FT), 1250 UNITS (25%)
COMPOSITION C1 - 133152, C2 - 21115, C3 - 7292,
IC4 - 1021, NC4 - 1524, C5 - 620
TRIP GAS: NIL
CONNECTION GAS: 37 UNITS AT 3191M, 855 UNITS AT 3276M.

WK 19.1
BK 14.8
CK 0.43

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3267M (10718FT), 22 M/HR (72 FT/HR)
MINIMUM ROP: DEPTH 3184.5M (10447FT), 2.1 M/HR (6.8 FT/HR)
AVERAGE ROP: 5.7 M-HR (18.8 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 1.16 - 1.79
TEMP OUT: 52 DEG C TEMP IN: 50 DEG C
MUD WT. IN: 11.3 PPG MUD WT. OUT: 11.2 PPG ECD: 11.8 PPG
EST PORE PRESSURE: 10.1 PPG EMW EST FRACTURE PRESSURE: 18.3 PPG EMW

COMMENTS

HIGH GAS VALUES FROM SANDSTONE AT 3266 - 3271M, INCREASED BACKGROUND GAS FROM APPROX 50 UNITS TO 300 UNITS AND 855 UNITS CONNECTION GAS SUGGESTS PORE PRESSURE MAY HAVE INCREASED TO APPROX 11.2 PPG.

FEBRUARY 3, 1986

DRILLED INTERVAL (TO 0600HRS): 3278.7 - 3304.6M (10,757-10,842FT)
SAMPLED INTERVAL (TO 0600HRS): 3270.2 - 3297.0M (10,729-10,817FT)
CORRELATION/FORMATION TOPS: POSSIBLY UPPER L. BALMEI

SHOW SUMMARY

NO SHOWS: TR TO COMMON M BRN TO BLK STAIN WHICH IMPARTS A PALE YELLOW TO LT BRN COLORATION THROUGHOUT SAMPLE. STAIN DECREASES TO TR TO RARE THROUGH INTERVAL TO BASE.

LITHOLOGY SUMMARY

3270.2-3297.0 (10729-10817FT)

SST WITH COAL, SLST AND CLST. BECOMING FINER GR THROUGH INTERVAL.

SST: YELLSH TO LT BRN, F TO M GR, MOD SRT, SUB-ANG TO SUB-RND, SILICEOUS CMT, MOD HARD, BRITTLE. VIS POROSITY POOR TO FAIR 7-15%.

SST WITH COAL, SLST AND CLST. BECOMING FINER GR THROUGH INTERVAL.

SLST: M TO DK GY/BRN, NON-CALC, SILICEOUS, INCREASINGLY CARBONACEOUS WITH DEPTH.

CLST: M BRN TO LT GY, BLKY TO SUB-FISS, CARBONACEOUS [illegible]

TELEX MESSAGE TELEX MESSAGE TELEX MESSAGE TELEX MESSAGE