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3956 - 3984M  
(12,979-13,071FT)

450563

PRED CLST WITH SST AND COAL INTERBEDS.  
CLST: MIC MIC TO MIC, 5-10% SCATT CARB MATT, V  
RARE TO TR YELL/WHT CLAY, FIRM TO HD, TR TO RARE  
MICRO-LAMINS OF CARBON MAT, V RARE SCATT SUPERFN  
QTZ XTALS.

COAL: 3958.5-3959M BITUM TO ANTHR GRD.

SST: 3969-3969.5M LOW FN TO UP FN GRN, CALC CMT  
WITH TR DOLO CMT, 10-15% YELL/WHT CLY MATRIX,  
RARE TO TR QTZ OVERGROWTHS, VIS POROSITY 8-12%,  
3 TO 5% DK GY TO BLK RK FRAGS.

3984 - 4009M  
(13,071-13,153FT)

SST WITH INTERBEDDED SLST  
SST: PRED UP V FN, VARY FROM LOW V FN TO UP  
MED, BECOMING CRMY WHT AND PRED LOW V FN GRN  
WITH DEPTH. PRED SILICA CMT WITH V COMM CALC  
CMT, COMM DESSIM CARB MATTER AND AS  
MICRO-LAMINS, 5-10% YELL/WHT CLY MATRIX 3-5%  
FRAGS, VIS POROSITY 10-15%.  
FIRM TO HD, BLKY FRAC.

SLST: MICMIC, GRDS TO SUPER FN SST IN PT, COMM  
MICRO TO LAMIN WITH CARB MATT, V CALC, MOD FIRM,  
DISPERSIVE.

4009 - 4032M  
(13,153-13,229FT)

PRED SLST WITH INTERBEDDED SST AND MINOR  
VOLCANICS

SLST: DISPERSIVE TO V DISPERSIVE, PROB WASHING  
OUT, TR TO MOD CALC, CARB MATTER AS  
MICRO-LAMINAE AND DESSM THROUGHOUT, TR TO COMMON  
SUPER FN SST, SOFT TO MED FIRM.

SST: PROB AS THIN INTERBEDS, PRED MED GRN, TR  
TO COMM UP FN, V CALC TO NON-CALC, LESS THAN 5%  
YELL/WHT CLY MATRIX, 3-5% DK BRN TO BLK RK  
FRAGS. VIS POROSITY 10-15%

VOLCANICS: 4009-4012 CRYPTO-XTAL, PROB  
MICRO-POROUS, V ROUGH IRR (WEATHERING?) TEXTURE,  
3-5% MAFIC MINERALS.

GAS SUMMARY

BACKGROUND GAS: 30 UNITS (0.6%)  
COMPOSITION C1 = 2888, C2 = 432, C3 = 183, IC4 = 30,  
NC4 = 33, C5 = 2  
MAXIMUM GAS: DEPTH 3953M (12969FT), 172 UNITS (3.44%)  
COMPOSITION C1 = 20473, C2 = 3373, C3 = 1246, IC4=181  
NC4 = 200, C5 = 5  
TRIP GAS: NO TRIP  
CONNECTION GAS: 3969M - 80 UNITS, 3978M - 12 UNITS, 3978M - 20 UNITS,  
3997M - 25 UNITS, 4016M - 33 UNITS, 4026M - 13 UNITS

RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3996M (13110FT), 11.6 M/HR (38 FT/HR)  
MINIMUM ROP: DEPTH 4021.5M (13194FT), 2.4 M/HR (7.9 FT/HR)  
AVERAGE ROP: 5.2 M/HR (17 FT/HR)

PRESSURE PARAMETERS

DXC, RANGE: 0.58 - 0.87 DXC AVERAGE: 0.7  
TEMP OUT: 44 DEG C TEMP IN: 43 DEG C  
MUD WT. IN: 15.4 PPG MUD WT. OUT: 15.4 PPG ECD: 15.8 PPG  
EST PORE PRESSURE 14.5 - 15.2 PPG EMW