

3564.0 - 3579M

(11,693.5-11,742.7FT) SILTSTONE WITH MINOR COAL INTERBEDS.  
 SLST: LT GY, TO MED GY/BRN, MICRO-LAMINATED WITH  
 CARBOBNACEOUS DEBRIS, ARGILL, TR DOL CMT, PREDOM  
 SILICA AND CLAY CMT.

COAL: 3568.0-3568.2M (11,706.6-11,707.3FT) BLK,  
 BLKY TO FISS, SUB-VIT, SLIGHTLY ARGILL.

3583.0 - 3584.5M

(11,755.8-11,760.7FT) SANDSTONE GRADING TO SILTSTONE/CLAYSTONE  
 SST: LT GY TO MED GY/BRN, LOW MED TO  
 UP MED GRN, PREDOM SILICA CMT TR TO COMM DOL  
 CMT. VIS POROSITY 10-15%.

SLST/CLST: MED TO DK BRN, BLKY TO SUB-FIS,  
 COMM FLAKY ORGANICS.

3584.5 - 3592.0M

(11,760.7-11,785.3FT) SANDSTONE  
 SST: LT GY BRN, RANGES FROM UP MED TO UP V F  
 GRN, PREDOM SILICA CMT, TR DOL CMT.  
 VIS POROSITY 10-15%. V RARE TO TR DK BRN-RD  
 STAIN.

3592.0 - 3601.2M

(11,785.3-11,815.5FT) SILTSTONE GRADING TO CLAYSTONE WITH DEPTH  
 SLST: LT YELL/BRN TO DK BRN/BLK, SILIC AND CLAY  
 CMT WITH TR DOL CMT.

CLST: RDSH BRN/BLK, SILICEOUS, MICRO-LAMIN WITH  
 CARBONACEOUS MAT.

3601.2 - 3616.0M

(11,815.5-11,864.1FT) SANDSTONE  
 SST: LT GY, PREDOM UP FN, RANGES FROM LOW MED  
 TO LOW FN, NON-CALC, SILICEOUS. V CLEAN.  
 VIS POROSITY LESS THAN 12%.  
 V RARE DK RDSH BRN STAIN.

3616.0 - 3633.0M

(11,864.1-11,919.9FT) SILTSTONE WITH INTERBEDDED CLAYSTONE  
 SLST: MED GY/BRN TO BRN, DOL WITH TR SILICA CMT,  
 V ARGILL.

CLST: RDSH/BRN TO BRN, SILICEOUS MICRO-LAMINATED  
 WITH CARBONACEOUS MAT.

## GAS SUMMARY

BACKGROUND GAS: 300 UNITS (-6%)

COMPOSITION C1 = 27325, C2 = 5906, C3 = 2715,  
 IC4 = 392, NC4 = 633, C5 = 213

MAXIMUM GAS:

DEPTH 3606M (11,831 FT), 905 UNITS (18.1%)  
 COMPOSITION C1 = 45990, C2 = 10500, C3 = 6300,  
 IC4 = 1260, NC4 = 2520, C5 = 760

TRIP GAS:

DEPTH 3621M (11,880FT), 330 UNITS (6.6%)  
 COMPOSITION C1 = 15411PPM, C2 = 4495PPM, C3 = 3460PPM  
 IC4 = 827 PPM, NC4 = 1508 PPM, C5 = 832PPM.

CONNECTION GAS: 3564M 184U, 3574M 123U, 3584M 200U, 3593M 235U,  
 3631M 240U.

## RATES OF PENETRATION

MAXIMUM ROP: DEPTH 3588M (11771.5FT), 32M/HR (105 FT/HR)  
 MINIMUM ROP: DEPTH 3631M (11913.0FT), 2.8M/HR (8.0FT/HR)  
 AVERAGE ROP: 5 M-HR (16.3 FT/HR)

## PRESSURE PARAMETERS