



**EXPLORATION LOGGING**

**DRILLING RATE AND DATA**

FT/HR  
 MIN/FT

VISUAL POROSITY

G.D.  
 FAIR  
 TR.

**DEPTH**

CORE TEST

**OIL**

**DRILLING MUD**

**CONTINUOUS DITCH GAS**

OIL IN MUD  
 TR. X  
 FAIR XX  
 GD. XXX

TOTAL GAS \_\_\_\_\_  
 (BACKUP SCALE = 10X)  
 PETROL VAP \_\_\_\_\_

20 40 60 80 100

**CHROMATOGRAPHIC ANALYSIS**

METHANE \_\_\_\_\_ BUTANES \_\_\_\_\_ 4  
 ETHANE \_\_\_\_\_ 2 PENTANES \_\_\_\_\_ 5  
 PROPANE \_\_\_\_\_ 3 M \_\_\_\_\_ 1000

100 1M PPM IN AIR 10M M

**CUTTINGS**

**GAS**

TOTAL GAS \_\_\_\_\_  
 (BACKUP SCALE = 10X)  
 PETROL VAP \_\_\_\_\_

20 40 60 80 100

**REMARKS AND LITHOLOGY DESCRIPTION**

100 75 50 25

30/5 MICHELMORE

NO#8 HTC XDM

392FT/12HRS

6400

6500

6600

6700

6800

TRUE VERTICAL DEPTH AT 6460FT IS 5558FT

DEVIATION 41°

NOTE: ALL DEPTHS MEASURED FROM KELLY BUSHING.

95" CASING SET AT 6457FT, DRILL 8 1/2" HOLE FROM 6460FT.

SHALE, WHITE TO FAWN, SOFT TO MOD HARD, NON CALC, PYRITIC, GRADES TO SILTSTONE IN PART. INTERBEDDED W SAND, FINE TO MED, RARELY COARSE, SUBANG, PYRITIC, OCC AS AGGREGATES, AND COAL, MOD HARD, BLACK.

C=36U AT 40 VIS

WT 10.2, V 41, F 10.6, PH 11.8, CL 20,000PPM, SD 3%, SOL 10%, OIL 7%.

1600

SHALE, GRADING TO DK GY AND BLACK, BECOMING CARB.

DEV 42° 45'

TVD 5778FT

COAL, BLK, BRIT-HD, SUB VIT, SUB CHONC FRAC, ARG, INTBDD W/SHALE, OFF WHT-TAN BRN, OCC DK GRY, MOD HD, SLTY, MINOR VF-MED SDST STRINGERS.

ASHTON