



INTEQ

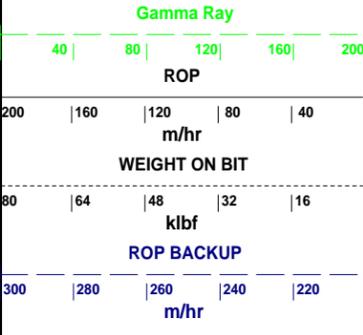
Company : Nexus Energy  
Well : Longtom-4  
Interval : 2597.00 - 2995.35 meters  
Created : 11/Aug/2008 6:11:41 AM

### FORMATION EVALUATION LOG

#### Chromatograph Data

Analysis

LITHOLOGY DESCRIPTIONS



Cuttings

INTERPRETED  
LITHOLOGY

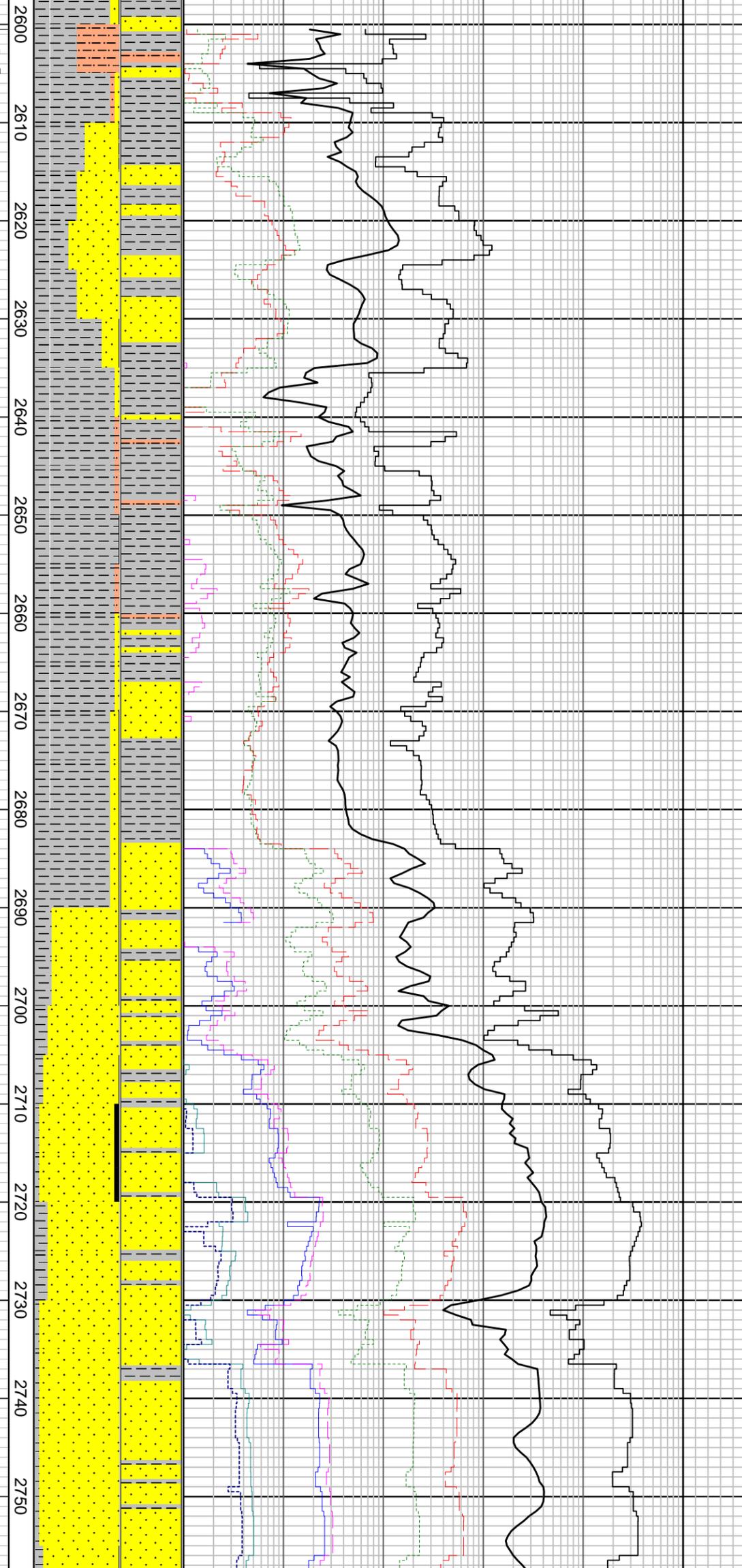
Methane ppm				
10	100	1000	10000	100000
Ethane ppm				
10	100	1000	10000	100000
Propane ppm				
10	100	1000	10000	100000
iso-Butane ppm				
10	100	1000	10000	100000
n-Butane ppm				
10	100	1000	10000	100000
iso-Pentane ppm				
10	100	1000	10000	100000
n-Pentane ppm				
10	100	1000	10000	100000
Ditch Gas %				
0.01	0.1	1	10	100

DIRECT FLUOR

24/07/2008

NB7: 241mm (9-1/2")  
Make: Smith  
Type: PDC/JY 2803  
Jets: 7x16  
Depth In: 2600.0 m  
Depth Out: 2841.0 m  
Drilled 241 m in 9.4hrs  
Grade: 2-4 -BT-A-X-I-RO-CP

WOB: 10-32 klbf  
RPM: 120-178  
GPM: 600-722  
SPP: 2726-3046 psi



Drilled Longtom-4 P from 2600m - 2987m  
FIT @ 2604 m with 11.95ppg  
EMW: 14.0 ppg @ 818 psi

MW: 12.2 ppg FV: 125  
PV: 44 YP: 34  
Gels: 13/18/21  
OW: 52.0/24.0

MD: 2621.50 m Azi: 182.84°  
TVD: 2364.0 m Incl: 53.72°

SST: pred lse qtz gr, trnsl-trnsp, off wh, v lt gy-lt gy i/p, fri, vf-f, occ m gr, sb ang-rnnd, prly-mod srt, occ wl srt, arg mtrx, calc cmt, fr vis por, no shw

SLTST: v lt gy-lt gy, v sft-sft, occ frm, sbblky-blky, grdg to vf Sst

MD: 2651.30 m Azi: 183.55°  
TVD: 2381.6 m Incl: 53.37°

CLYST: m gy-m lt gy, brnsh gy, occ grnsh gy, sft-frm, sbblky-blky, slty

SST: lt gy-m lt gy, fri, vf-f gr, sbrnnd, wl srt, arg mtrx, calc cmt, fr vis por, no shw

MD: 2681m Azi: 184.22°  
TVD: 2399.5m Incl: 52.5°

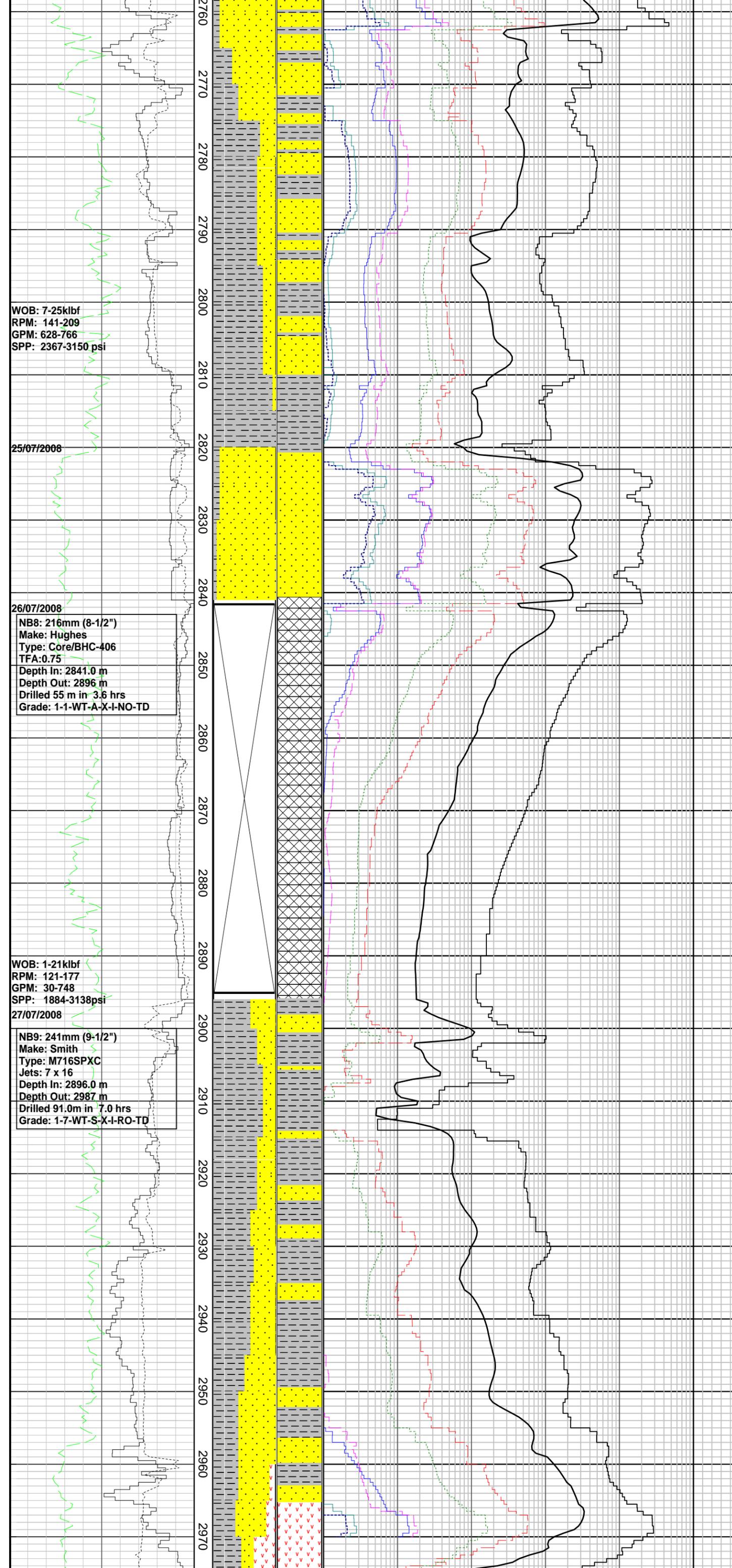
SST: lt gy-v lt gy, occ m lt gy-m gy, lse-fri, frm i/p, f- m gr, occ crs gr, sb rnnd-rnnd, mod-wl srt, arg mtrx, calc cmt, occ sil cmt, occ carb stk, fr vis por, no shw

MD: 2711.02m Azi: 184.51°  
TVD: 2418m Incl: 51.43°

SST: pred lse qtz gr, trnsl-trnsp, off wh, brnsh wh, fri i/p, f-m gr, occ crs-v cse gr, sbang-sbrnnd, prly-mod srt, arg matx, tr gn & blk lith, tr carb mat, fr vis por

MD: 2740.27m Azi: 184.48°  
TVD: 2436.4m Incl: 50.60°

CLYST: m gy-dk gy, occ gysh blk, frm-mod hd, sbblky-blky, occ elong, abd carb mat, occ grdg to Slst



WOB: 7-25klbf  
 RPM: 141-209  
 GPM: 628-766  
 SPP: 2367-3150 psi

25/07/2008

26/07/2008  
 NB8: 216mm (8-1/2")  
 Make: Hughes  
 Type: Core/BHC-406  
 TFA: 0.75  
 Depth In: 2841.0 m  
 Depth Out: 2896 m  
 Drilled 55 m in 3.6 hrs  
 Grade: 1-1-WT-A-X-I-NO-TD

WOB: 1-21klbf  
 RPM: 121-177  
 GPM: 30-748  
 SPP: 1884-3138psi  
 27/07/2008

NB9: 241mm (9-1/2")  
 Make: Smith  
 Type: M716SPXC  
 Jets: 7 x 16  
 Depth In: 2896.0 m  
 Depth Out: 2987 m  
 Drilled 91.0m in 7.0 hrs  
 Grade: 1-7-WT-S-X-I-RO-TD

MD: 2770m Azi: 184.85°  
 TVD: 2455.5m Incl: 50.01°

SST: pred lse qtz gr, trnsI-trnsp, lt gy, brnsh wh, fri i/p., f-m gr, occ crs-v crs gr, sbang-sbrndd, prly-mod srt, arg mtrx, tr gn & blk lith, tr carb mat, fr vis por

MD: 2798m Azi: 183.57°  
 TVD: 2474.2m Incl: 47.70°

CLYST: m gy-m dk gy, frm, blk, rr sb fiss i/p, rr carb mat i/p, grd to Sltst i/p

SST: wh-v lt gy, clr-trnsl qtz gr, pred sft-fri agg, f gr, sbang-sbrnd, sphr, v wl srt, v lt gy arg mtrx, pr vis por, no shw

Coring @ 2841.0m-2896.0m  
 Recovery: 99.4%

MW: 12 ppg FV: 86  
 PV: 43 YP: 35  
 Gels: 14/18/21  
 O/W: 85.9/135.4

MD: 2857.04m Azi:  
 183.13°  
 TVD: 2514.2m Incl:  
 46.14°

MD: 2886.94m Azi:  
 182.91°  
 TVD: 2534.8m Incl:  
 46.56°

MW: 12.1 ppg FV: 128  
 PV: 45 YP: 20  
 Gels: 12/15/18  
 O/W: 69.2/30.8

CLYST: m lt gy-m gy, mod frm-frm, occ hd, sbblky, com carb mat, slty

MD: 2916.37m Azi:  
 183.31°  
 TVD: 2555.1m Incl:  
 46.19°

SST: off wh, m gy, fri, sft-frm, mod hd, vf-f gr, sbang-sbrndd, prly-mod srt, arg mtrx, f carb spks, fr vis por, no shw

MD: 2946.06m Azi:  
 184.18°  
 TVD: 2575.9m Incl:  
 45.04°

SST: lt gy, m lt gy, m gy i.p., trnsI-trnsp, fri, frm-mod hd, f-m gr, sbrndd-rndd, prly-mod srt, arg mtrx, occ mott w/ carb mat, fr vis por, no shw

MD: 2970.49m Azi:  
 184.59°  
 TVD: 2593.1m Incl: 45.14°

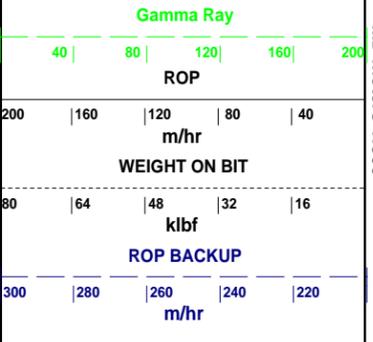
VOI C: wthd Bas, gvsh blk, dk grnst

VOLE: wtd bas, gysn blk, dk gmsr gy, brnsh blk, hd-v hd, blk, occ spln, microxln, tuf frag, com med-crs sbhdral plag & qtz xls, r cub pyr

Wireline Logging:  
Run #1 XPT-DS1  
Run #2 CST-GR

WOB: 6-28klbf  
RPM: 110-162  
GPM: 652-725  
SPP: 2297-3128psi

2980  
2990



MD meters 1:500

Cuttings

INTERPRETED  
LITHOLOGY

**FORMATION EVALUATION LOG**

**Chromatograph Data**

Analysis

**LITHOLOGY DESCRIPTIONS**

Methane ppm				
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iso-Pentane ppm				
10	100	1000	10000	100000
n-Pentane ppm				
10	100	1000	10000	100000
Ditch Gas %				
0.01	0.1	1	10	100

DIRECT FLUOR