



INTEQ

Company : Nexus Energy

Well : Longtom-4

Interval : 2580.00 - 3094.69 meters

Created : 04/Aug/2008 5:46:58 AM

FORMATION EVALUATION LOG

Chromatograph Data

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

LITHOLOGY DESCRIPTIONS

Cuttings

INTERPRETED
LITHOLOGY

Analysis

DIRECT FLUOR

MD meters 1:500

80

2590

2600

2610

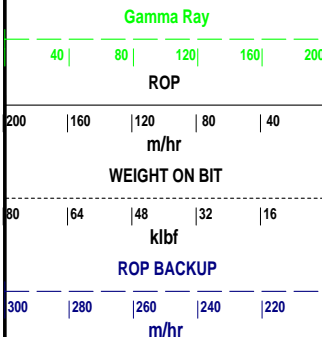
2620

2630

2640

2650

2660



WOB: 11-39 klbf
RPM: 121-154
GPM: 1034-1082
SPP: 3625-3890 psi

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

CLYST: m-dk gy, occ bn gy, mod
frm-frm, occ sft, occ hd, sbblky-blky,
occ lams, grd to Sltst

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
O/W: 52.0/24.0

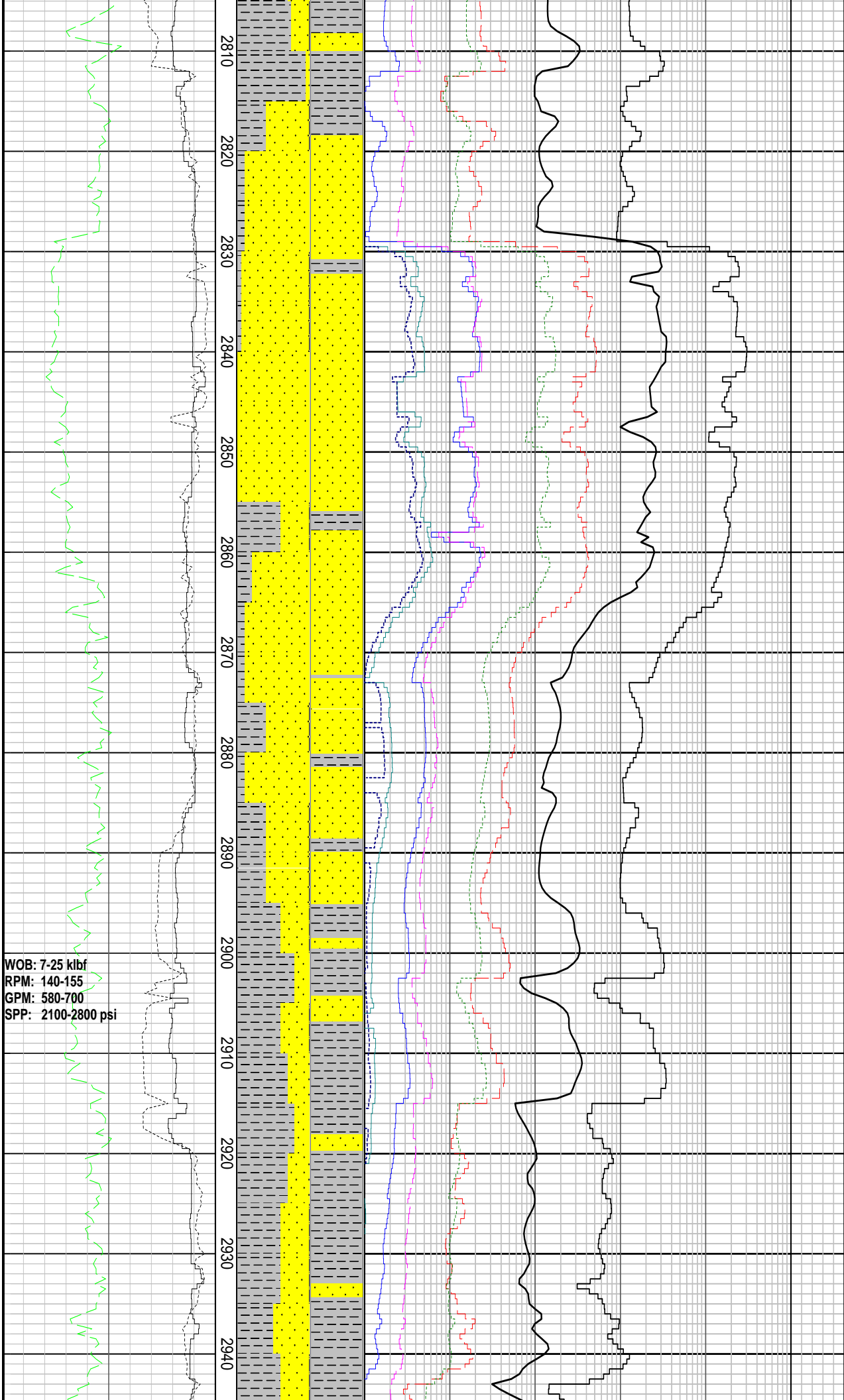
MD: 2621.5m Azi: 182.84°
TVD: 2364m Incl: 53.72°

SST: pred lse qtz gr, trnsI-trnsp, off
wh, v lt gy-lt gy i/p, fri, vf-f, occ m gr,
sb ang-rndd, 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, grd to vf SST

MD: 2651.3m Azi: 183.55°
TVD: 2381.6m Incl: 53.37°

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



CLYST: m dk gy-dk gy, mod frm-frm
occ hd, sbblky-blky, grd to Slst

MD: 2820.01m Azi: 176.82°
TVD: 2485.5m Incl: 54.07°

SST: lt gy, trnsI-trnsp, m-crs gr, occ v
crs gr, grnsh gy, mod rdsh brn lse qtz
gr, sbang-sbrnd, sbsph, mod srt, lt gy
agg i/p, frm-fri, tr arg mtrx, abd blk
plag i/p, pr vis por

MD: 2850.81m Azi: 179.97°
TVD: 2503.4m Incl: 54.91°

CLYST: m dk gy, frm-hd, sbblky-blky,
grd to Slst

MW: 12.00 ppg FV: 96
PV: 45 YP: 35
Gels: 14/25/29
O/W: 69.6/30.4

SST: lt gy, clr, vf-f, occ crs gr,
sbang-sbrndd, sbsph, mod wl srt, tr
arg mtrx i/p, pr vis por, no shw

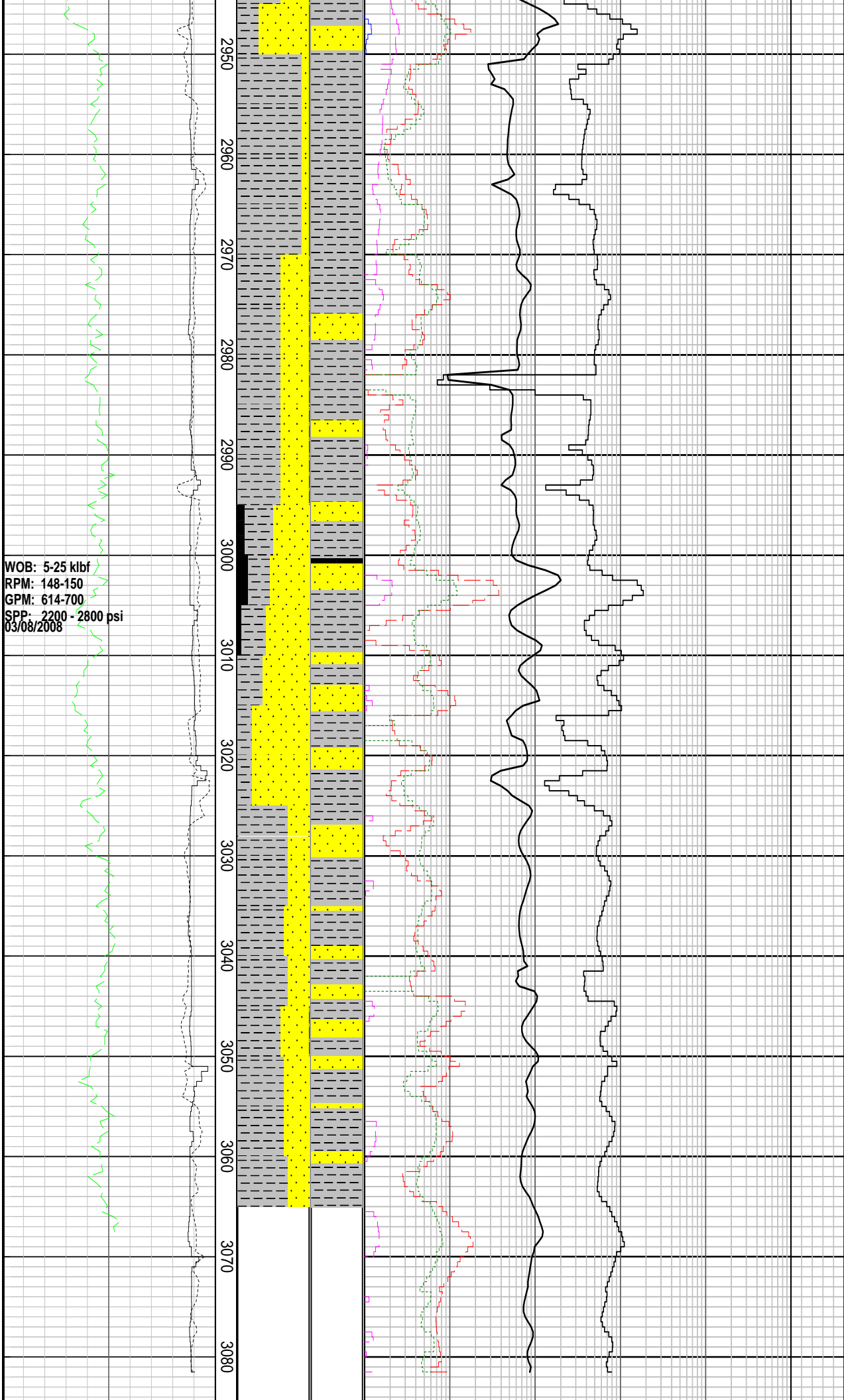
MD: 2881.69m Azi: 185.74°
TVD: 2520.7m Incl: 57.25°

CLYST: m gy-dk gy, frm-hd,
sbblky-sbfiss, slty, grd to Slst

MD: 2911.49m Azi: 188.17°
TVD: 2535.6m Incl: 62.80°

CLYST: m gy-dk gy, occ gysh blk,
sft-frm, occ hd, sbblky, sbfiss, amor
i/p

MD: 2941.41m Azi: 188.76°
TVD: 2548.7m Incl: 65.11°



SST: lt gy, trnsl, f-crs gr, occ v crs gr, sbang-sbrndd, sbsph, mod srt, pr vis por, no shw

MW: 12.00 ppg FV: 92
PV: 45 YP: 32
Gels: 14/25/29
O/W: 70/30

CLYST: lt gy- dk gy, frm-hd, sbblky-blky, occ sbfiss, amor

SST: dk-dk m gy, lt gy i/p, occ wh, trnsp-trnsl, occ opq, fri-mod hd, uncons i/p, vf-f gr, crs gr i/p, sbang-sbrndd, ang i/p, sbelong-sbsph, pr-mod srt, calc cmt, tr slt, tr glauc, pr inf por, no shw

CLYST: lt gy- dk gy, frm-hd, sft i/p, sbblky-blky, occ sbfiss, amor, n calc, grdg to Slstst

COAL: blk, frm, blky-sbblky, erthy-sbvit lus, brit

MD: 3016.23m Azi: 189.15°
TVD: 2577.3m Incl: 69.92°

SST: dk-dk m gy, lt gy i/p, occ wh, trnsp-trnsl, occ opq, fri-mod hd, uncons i/p, vf-f gr, crs gr i/p, sbang-sbrndd, ang i/p, sbelong-sbsph, pr-mod srt, calc cmt, tr slt, tr carb mat, tr glauc, pr inf por, no shw

CLYST: lt gy- dk gy, frm-hd, sft i/p, sbblky-blky, occ sbfiss, amor, n calc, grdg to Slstst

[illegible]