BAKER HUGHES
INTEQ

Company : Nexus Energy
Well : Longtom-4
Interval : 2564.00 - 3368.06 meters
Created : 05/Aug/2008 5:58:11 AM

FORMATION EVALUATION LOG

Gamma Ray
40 | 80 | 120 | 160 | 200
ROP
200 | 160 | 120 | 80 | 40
m/hr
WEIGHT ON BIT
80 | 64 | 48 | 32 | 16
klbf
ROP BACKUP
300 | 280 | 260 | 240 | 220
m/hr

MD meters 1:500

Cuttings

LITHOLOGY

INTERPRETED

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

Analysis

DIRECT FLUOR

LITHOLOGY DESCRIPTIONS

2570
2580
2590
2600
2610
2620
2630
2640

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

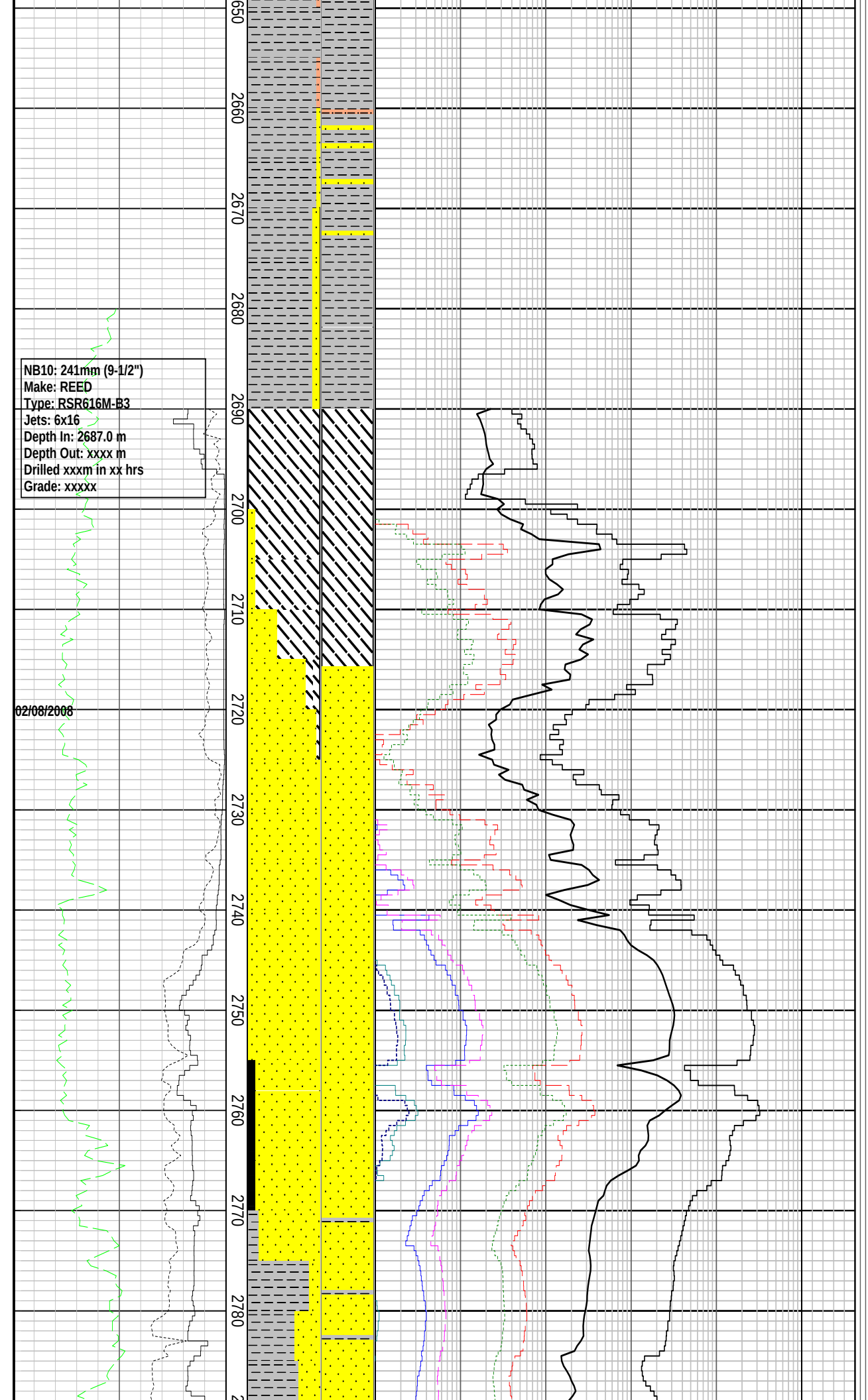
FIT @ 2604 m with 11.95ppg
EMW: 14.0 ppg @ 818 psi

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, trnsl-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, grdg 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

SST: lt gy-m lt gy, fri, vf-f gr, sb rndd, prly-mod srt, arg mtrx, calc cmt, fr vis por, no shw

MD: 2681.00m Azi: 184.22°
TVD: 2399.5m Incl: 52.5°

Tag Cement & Kick off @2690m, start drilling Longtom-4 H on 02 Aug 08

MW: 12.00 ppg FV: 123
PV: 37 YP: 36
Gels: 12/18/21
O/W:67.5/32.5

MD: 2704.04m Azi: 184.56°
TVD: 2413.7m Incl: 51.56°

SST: v lt gy-lt gy, dk gy i/p, trnsl-trnsp occ opq, uncons-fri agg, vf-f, crs gr i/p, occ m gr, lse qtz gr, sbang-sbrndd, sbsph, pr-mod srt, arg mtrx, calc cmt, tr carb
mat, tr glauc, pr inf por, no shw

MD: 2733.77m Azi: 181.87°
TVD: 2432.5m Incl: 49.85°

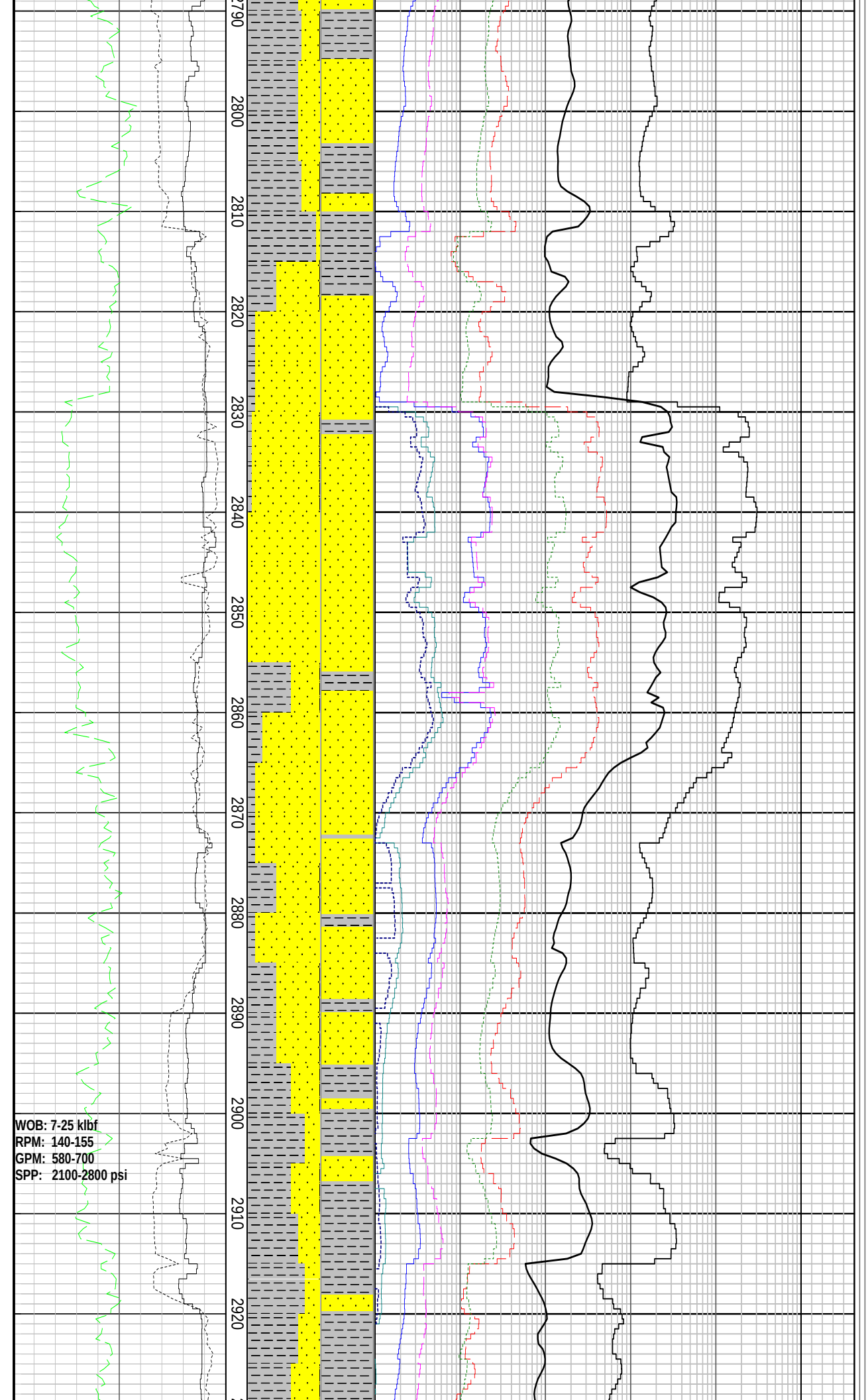
SST: v lt gy-lt gy, dk gy i/p, occ wh, trnsl-trnsp, occ opq, uncons-fri agg, vf-f, crs gr i/p, occ m gr, lse qtz gr, sbang-sbrndd, sbsph, pr-mod srt, arg
mtrx, calc cmt, tr carb mat, tr glauc, pr inf por, no shw

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

MD: 2763.58m Azi: 177.62°
TVD: 2451.5m Incl: 51.38°

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

SST: v lt gy-lt gy, dk gy i/p, occ wh,trnsl- trnsp, occ opq, uncons-fri agg, vf-f, crs gr i/p, occ m gr, lse qtz gr, sbang-sbrndd, sbsph, pr-mod srt, arg
mtrx, calc cmt, tr carb mat, tr glauc, p



inf por, no shw

MD: 2792.00m Azi: 176.31°
TVD: 2469.1m Incl: 53.1°

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

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

SST: lt gy, trnsl-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 Sltst

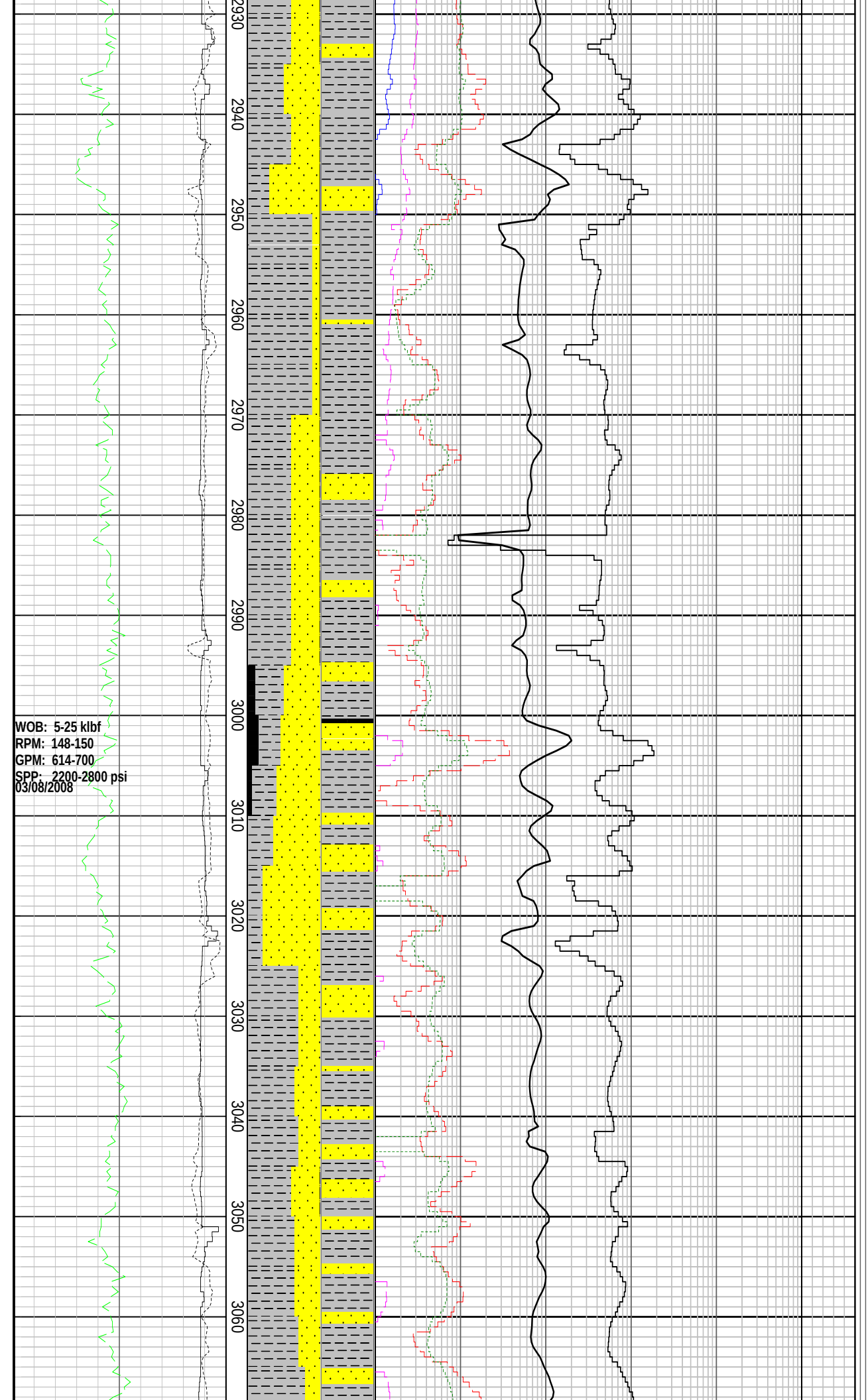
MW: 12.00 ppg FV: 96
PV: 45 YP: 35
Gels: 14/25/29
O/W: 69.6/30.4

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 Sltst

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, trnsl- trnsp, 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 Sltst

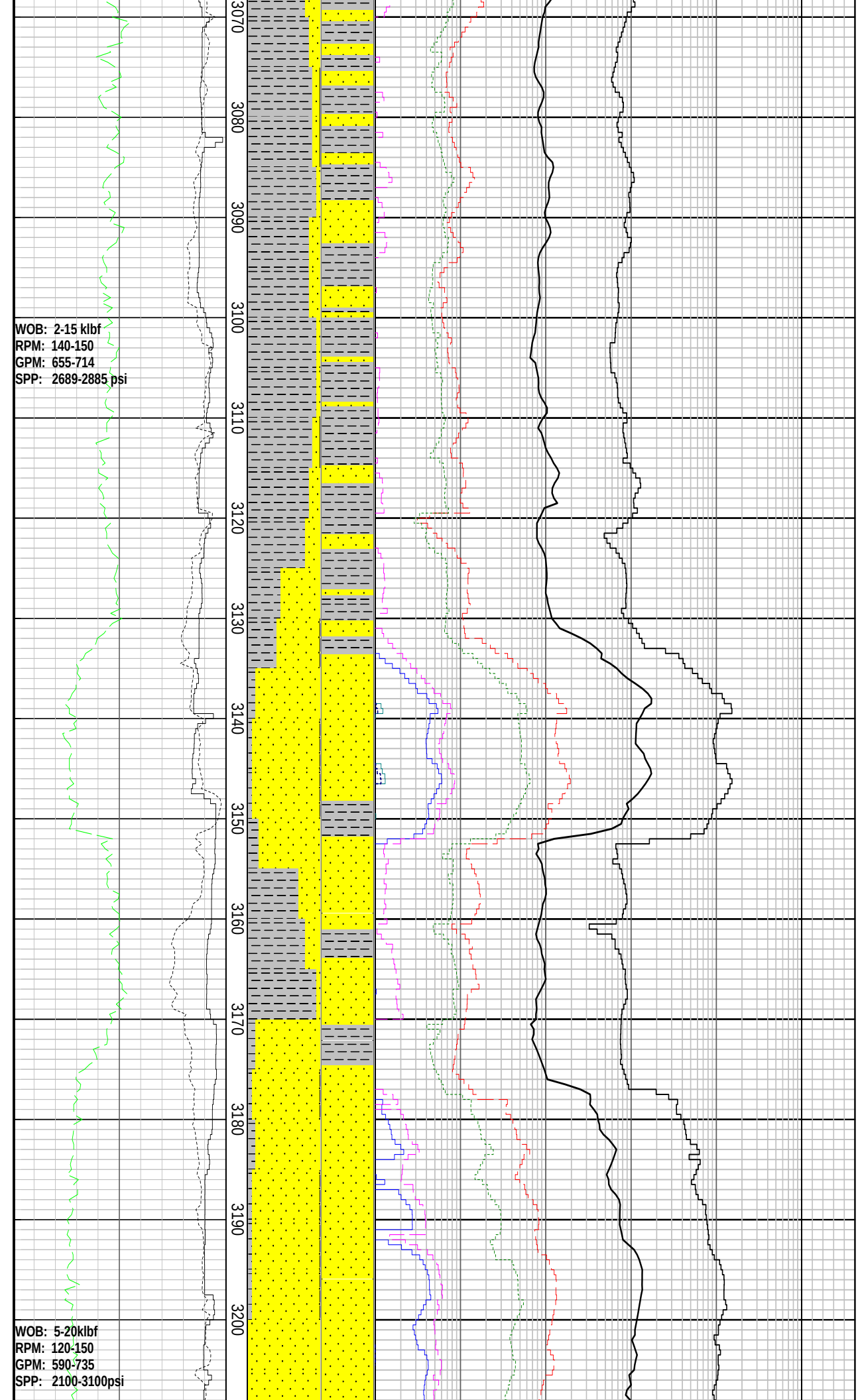
COAL: blk, frm, blky-sbblky, erthy-sbvit lus, brit

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

SST: dk-dk m gy, lt gy i/p, occ wh, trnsl-trnsp, 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 Sltst

SST: dk-dk m gy, lt gy i/p, occ wh, trnsl-trnsp, occ opq, fri-mod hd, vf-f gr, crs gr i/p, sbang-sbrndd, ang i/p, sbsph, pr-mod srt, calc cmt, tr slt, tr carb mat, tr glauc, tr arg mtrx,



tr micrlam, pr inf por, no shw

MD: 3076.35m Azi: 190.05°
TVD: 2596.3m Incl: 72.83°

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

MD: 3106.22m Azi: 185.49°
TVD: 2605.1m Incl: 72.92°

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

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

MD: 3136.04m Azi: 186.22°
TVD: 2613.10m Incl: 75.98°

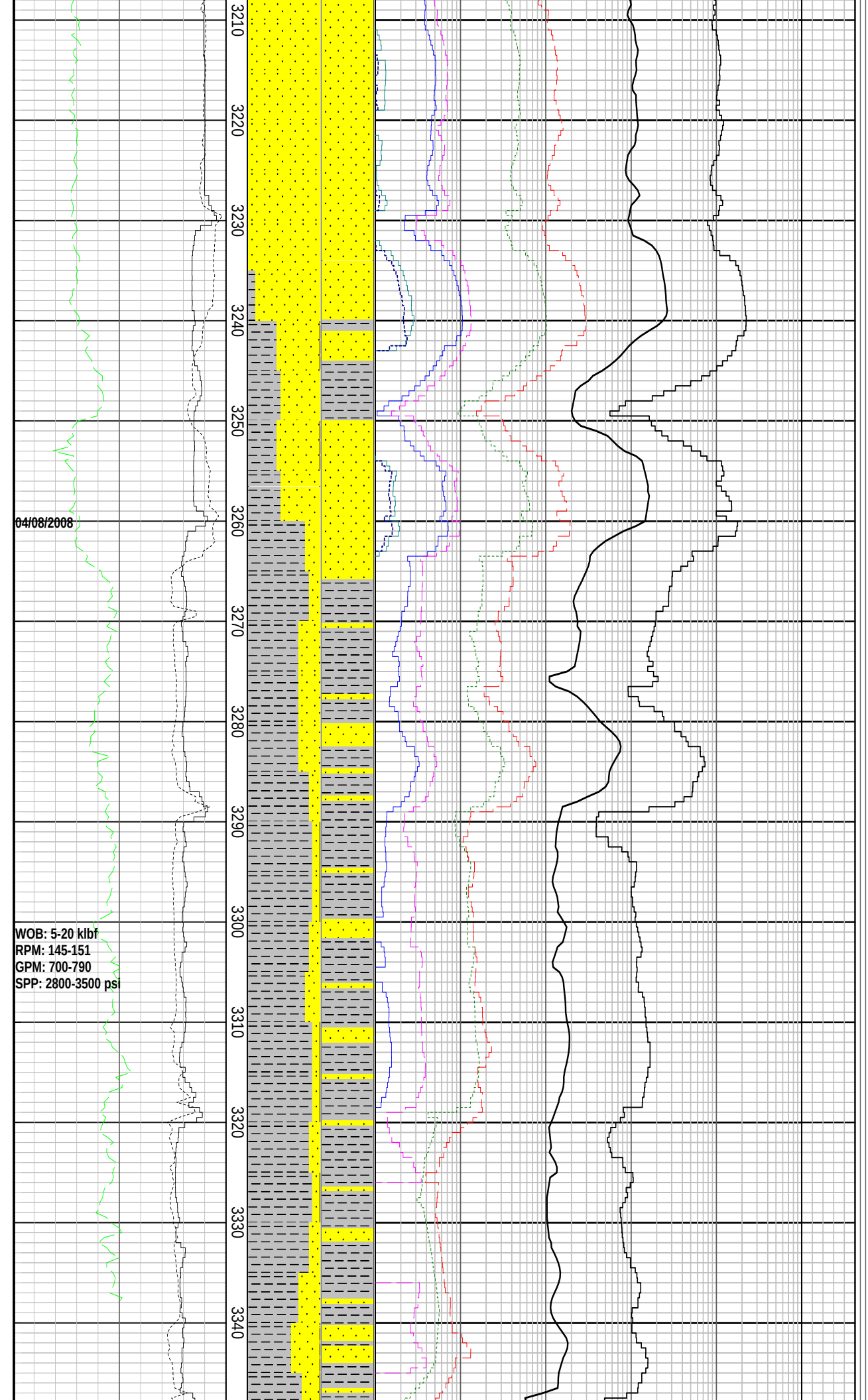
SST: lt gy, trnsl, f-crs gr, occ v crs gr, pred frm agg, sbang-sbrndd, sbsph, pr-mod srt, tr arg mtrx, pr vis & inf por, no shw

MD: 3164.24m Azi: 185.24°
TVD: 2618.9m Incl: 80.13°

CLYST: m dk gy-dk gy, sft-frm, sbblky-blky, amor

MD: 3194.93m Azi: 185.98°
TVD: 2624.3m Incl: 79.46°

SST: lt gy, trnsl-trnsp, f-crs gr, occ v crs gr, sbang-sbrndd, sbsph, pr srt, tr arg mtrx, tr flsp gr i/p, pr vis por, no



MD: 3224.35m Azi: 184.32°
TVD: 2629.2m Incl: 81.52°

SST: v lt gy-lt gy, trnsl-trnsp, f-crs gr, occ v crs gr, sbang-sbrndd, sbsph, mod-wl srt, tr arg mtrx, sil cmt, tr glauc, pr vis por, no shw

CLYST: dk gy-m dk gy, occ lt gy, sft-frm, hd i/p, sbblky-blky, amor i/p, n calc, tr carb lit

MD: 3254.13m Azi: 184.05°
TVD: 2632.8m Incl: 84.39°

SST: v lt gy-lt gy, trnsl-trnsp, f-crs gr, occ v crs gr, sbang-sbrndd, sbsph, mod-wl srt, tr arg mtrx, sil cmt, tr glauc, rr dissem pyr, pr vis por, no shw

CLYST: dk gy-m dk gy, occ lt gy, sft-frm, hd i/p, sbblky-blky, amor i/p, n calc, tr carb lit

MD: 3283.78m Azi: 180.52°
TVD: 2635.0m Incl: 87.22°

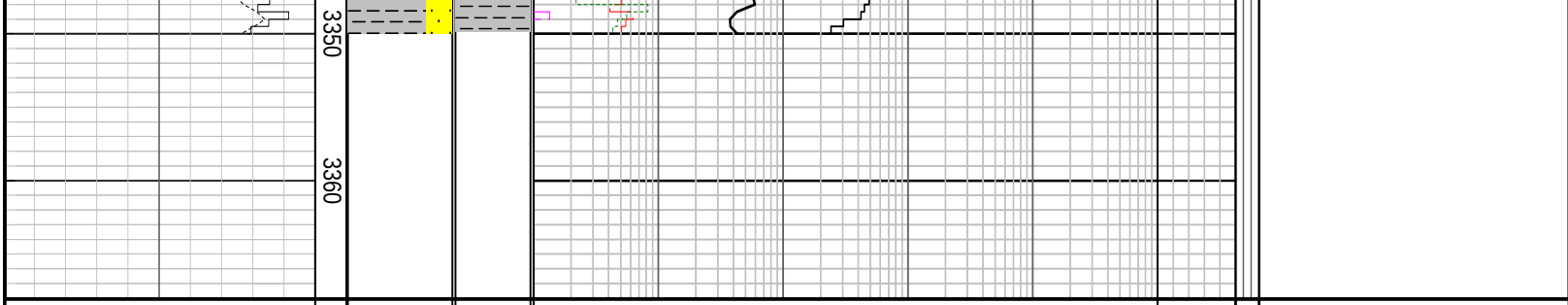
CLYST: dk gy-m dk gy, occ lt gy, sft-frm, hd i/p, sbblky-blky, amor i/p, n calc, tr carb lit

MD: 3313.51m Azi: 179.55°
TVD: 2635.6m Incl: 90.41°

CLYST: dk gy-m dk gy, occ lt gy, sft-frm, hd i/p, sbblky-blky, amor i/p, n calc, tr carb lit

SST: v lt gy-lt gy, trnsl-trnsp, f-crs gr, occ v crs gr, sbang-sbrndd, sbsph, mod-wl srt, tr arg mtrx, sil cmt, tr glauc, pr vis por, no shw

MD: 3343.47m Azi: 182.41°
TVD: 2634.7m Incl: 93.13°



FORMATION EVALUATION LOG

Gamma Ray
40 | 80 | 120 | 160 | 200
ROP
200 | 160 | 120 | 80 | 40
m/hr
WEIGHT ON BIT
80 | 64 | 48 | 32 | 16
klbf
ROP BACKUP
300 | 280 | 260 | 240 | 220
m/hr

MD meters 1:500

Cuttings

INTERPRETED LITHOLOGY

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

Analysis

DIRECT FLUOR

LITHOLOGY DESCRIPTIONS