



INTEQ

Company : Nexus Energy

Well : Garfish-1

Interval : 76.00 - 2494.11 meters

Created : 11/Jun/2008 5:25:12 AM



FORMATION EVALUATION LOG

Chromatograph Data

Methane ppm

10 | 100 | 1000 | 10000

Ethane ppm

10 | 100 | 1000 | 10000

Propane ppm

10 | 100 | 1000 | 10000

iso-Butane ppm

10 | 100 | 1000 | 10000

n-Butane ppm

10 | 100 | 1000 | 10000

iso-Pentane ppm

10 | 100 | 1000 | 10000

n-Pentane ppm

10 | 100 | 1000 | 10000

Ditch Gas %

0.1 | 1 | 10 | 100

Analysis

Calcimetry

50 | 100

Dolomite %

50 | 100

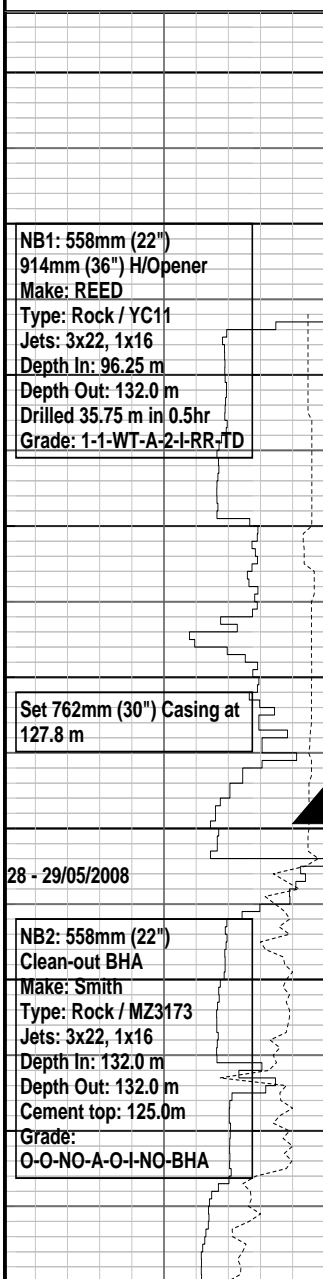
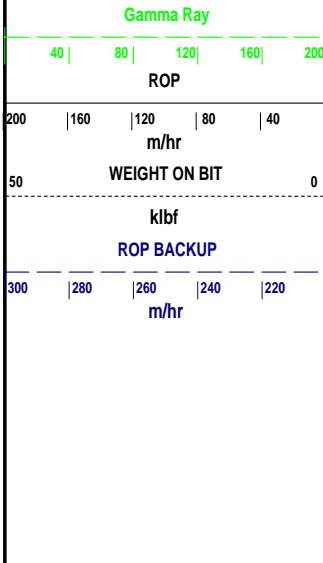
DIRECT FLUOR

LITHOLOGY DESCRIPTIONS

Cuttings

LITHOLOGY
INTERPRETED

MD meters 1:500



RT-MSL: 39.9 mDRT
Water Depth: 56.3 mDRT
RT-Seabed: 96.2 mDRT

Spud Garfish-1 @ 1330 hrs on 28/05/2008

MD:86.66 m Azi: 347.82°
TVD: 86.66 m Incl: 0.22°

MD:122.43 m Azi: 197.82°
TVD: 122.43 m Incl: 0.11°

36" section TD, 131.0 m

Drill with seawater & Hi-Vis sweeps,
Returns to seabed, 96.25m to 755.0m

NB3: 445mm (17-1/2")
Make: Smith
Type: Rock / MZ1061
Jets: 3x22, 1x18
Depth In: 132.0 m
Depth Out: 755.0 m
Drilled 623.0 m in 12.0hr
Grade: 2-2-WT-A-3-I-NO-TD

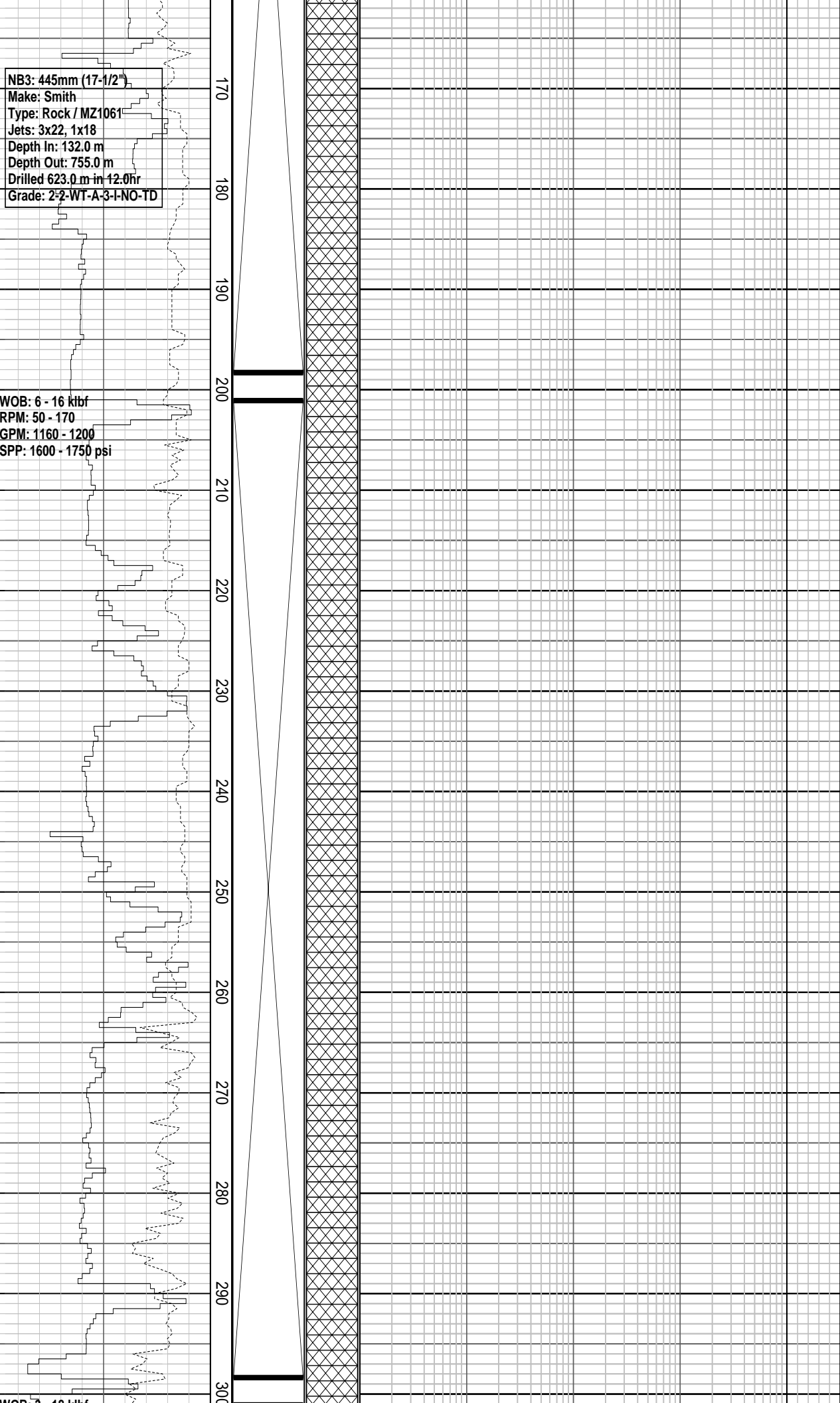
WOB: 6 - 16 kbf
RPM: 50 - 170
GPM: 1160 - 1200
SPP: 1600 - 1750 psi

WOB: 3 - 10 kbf

170
180
190
200
210
220
230
240
250
260
270
280
290
300

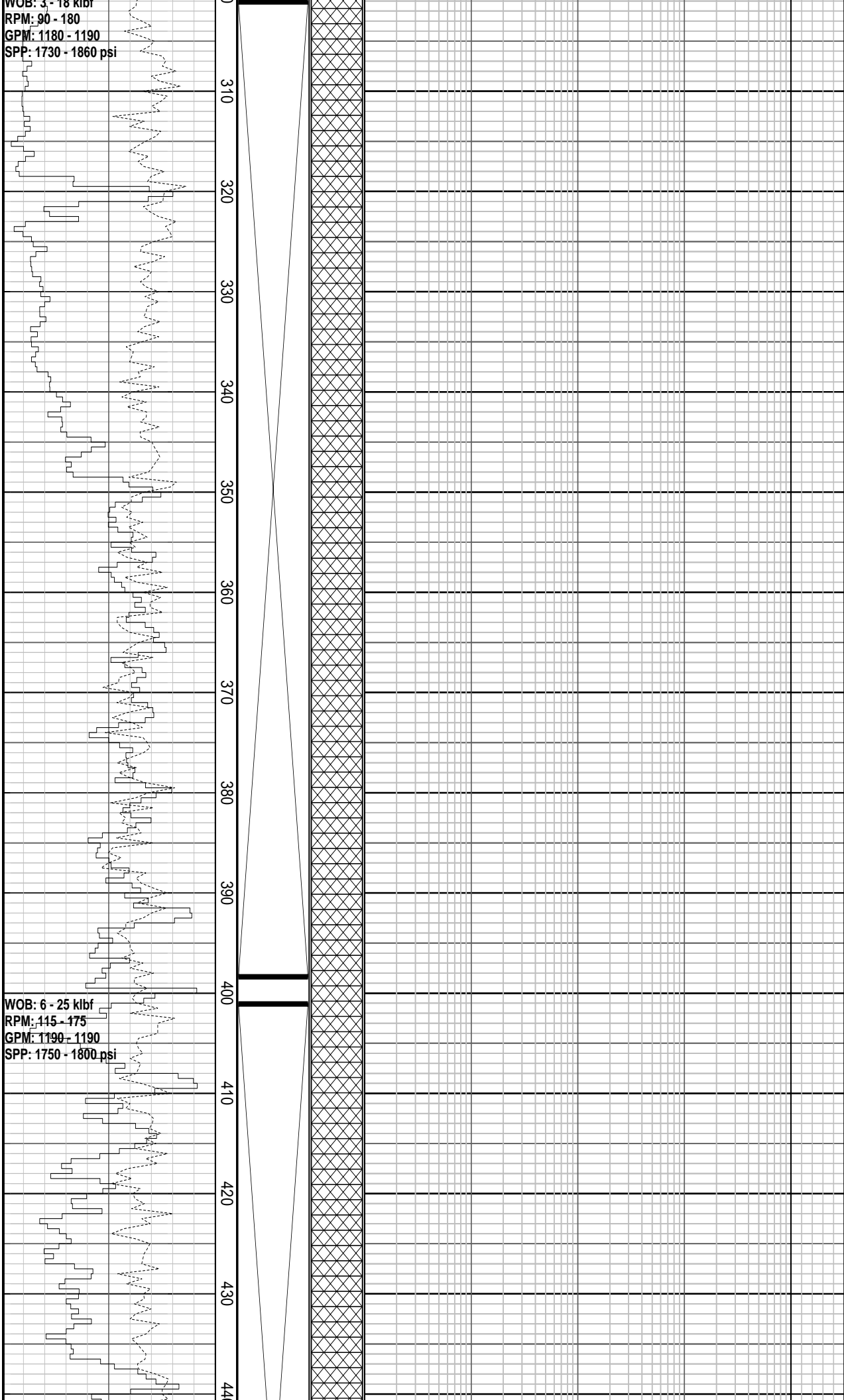
MD: 167.41 m Azi: 261.61°
TVD: 167.41 m Incl: 0.63°

MD: 225.52 m Azi: 223.32°
TVD: 225.52 m Incl: 0.37°



WOB: 3 - 18 kibr
RPM: 90 - 180
GPM: 1180 - 1190
SPP: 1730 - 1860 psi

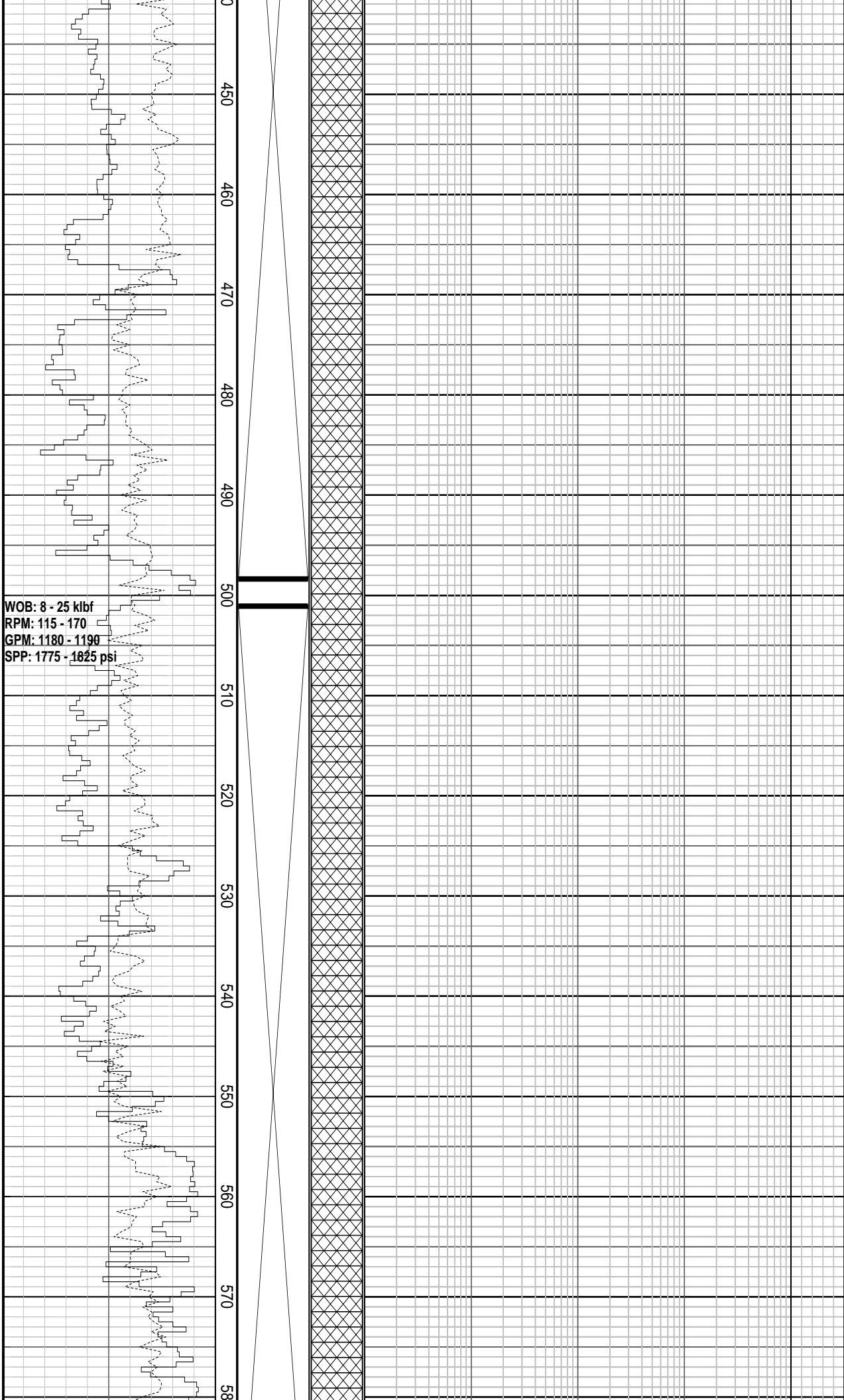
WOB: 6 - 25 kibr
RPM: 145 - 175
GPM: 1190 - 1190
SPP: 1750 - 1800 psi



MD: 343.05 m Azi: 75.45°
TVD: 343.05 m Incl: 0.23°

Drill with seawater & Hi-Vis sweeps,
Returns to seabed, 96.25m to 755.0m

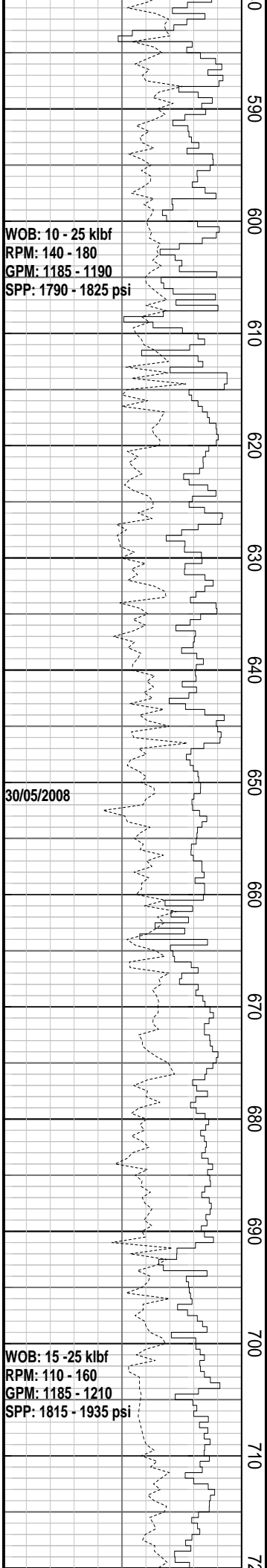
MD: 431.83 m Azi: 31.60°
TVD: 431.83 m Incl: 0.14°



WOB: 8 - 25 klb
RPM: 115 - 170
GPM: 1180 - 1190
SPP: 1775 - 1825 psi

MD: 520.09 m Azi: 306.99°
TVD: 520.09 m Incl: 0.26°

Drill with seawater & Hi-Vis sweeps,
Returns to seabed, 96.25m to 755.0m



MD: 608.29 m Azi: 280.34°
TVD: 608.28 m Incl: 0.58°

MD: 667.52 m Azi: 215.10°
TVD: 667.51 m Incl: 0.58°

Drill with seawater & Hi-Vis sweeps,
Returns to seabed, 96.25m to 755.0m

MD: 768.33 m Azi: 278.20°
TVD: 768.3 m Incl: 0.31°

17-1/2" Section TD, 755.0m

Drill with KCL Polymer drilling
fluid, 755.0m to well TD

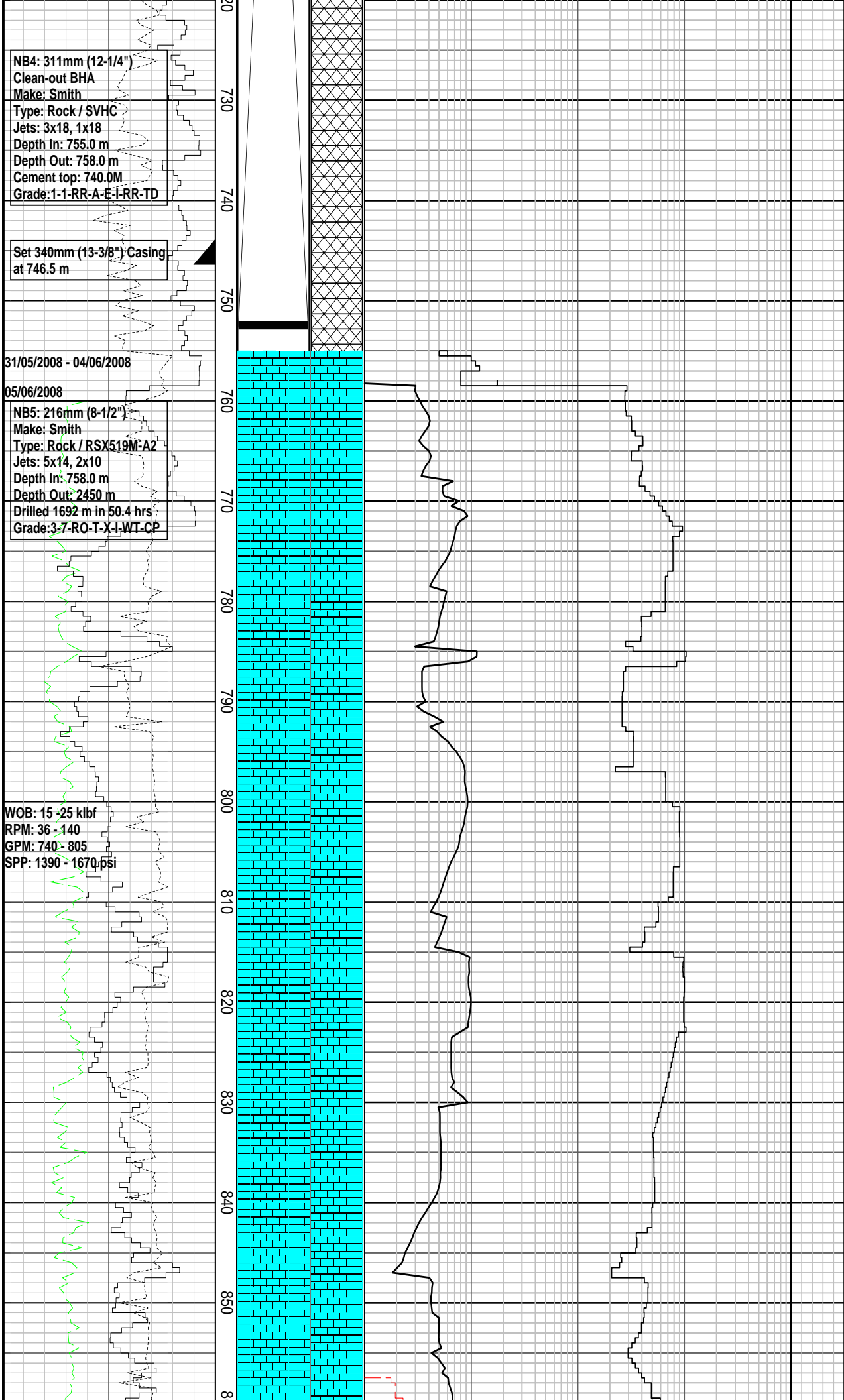
MW: 9.5 ppg FV: 58
PV: 15 YP: 27
Gels: 9/12/15 pH: 9.5

FIT @ 758.0m with 9.5ppg
EMW: 17.39 ppg @ 1020psi

MD: 746.93 m Azi: 194.47°
TVD: 746.93 m Incl: 0.21°

CALCILUTITE: m gy, v sft-sft,
amor-sbbilky, disp, com nod pyr, com
foss & shl frag (foram), mnr xln calc,
tr v f gr qtz, mnr m gy arg mtrx

MD: 857.62 m Azi: 288.14°



NB4: 311mm (12-1/4")
Clean-out BHA
Make: Smith
Type: Rock / SVHC
Jets: 3x18, 1x18
Depth In: 755.0 m
Depth Out: 758.0 m
Cement top: 740.0M
Grade: 1-1-RR-A-E-I-RR-TD

Set 340mm (13-3/8") Casing
at 746.5 m

31/05/2008 - 04/06/2008
05/06/2008

NB5: 216mm (8-1/2")
Make: Smith
Type: Rock / RSX519M-A2
Jets: 5x14, 2x10
Depth In: 758.0 m
Depth Out: 2450 m
Drilled 1692 m in 50.4 hrs
Grade: 3-7-RO-T-X-I-WT-CP

WOB: 15 - 25 klb
RPM: 36 - 140
GPM: 740 - 805
SPP: 1390 - 1670 psi

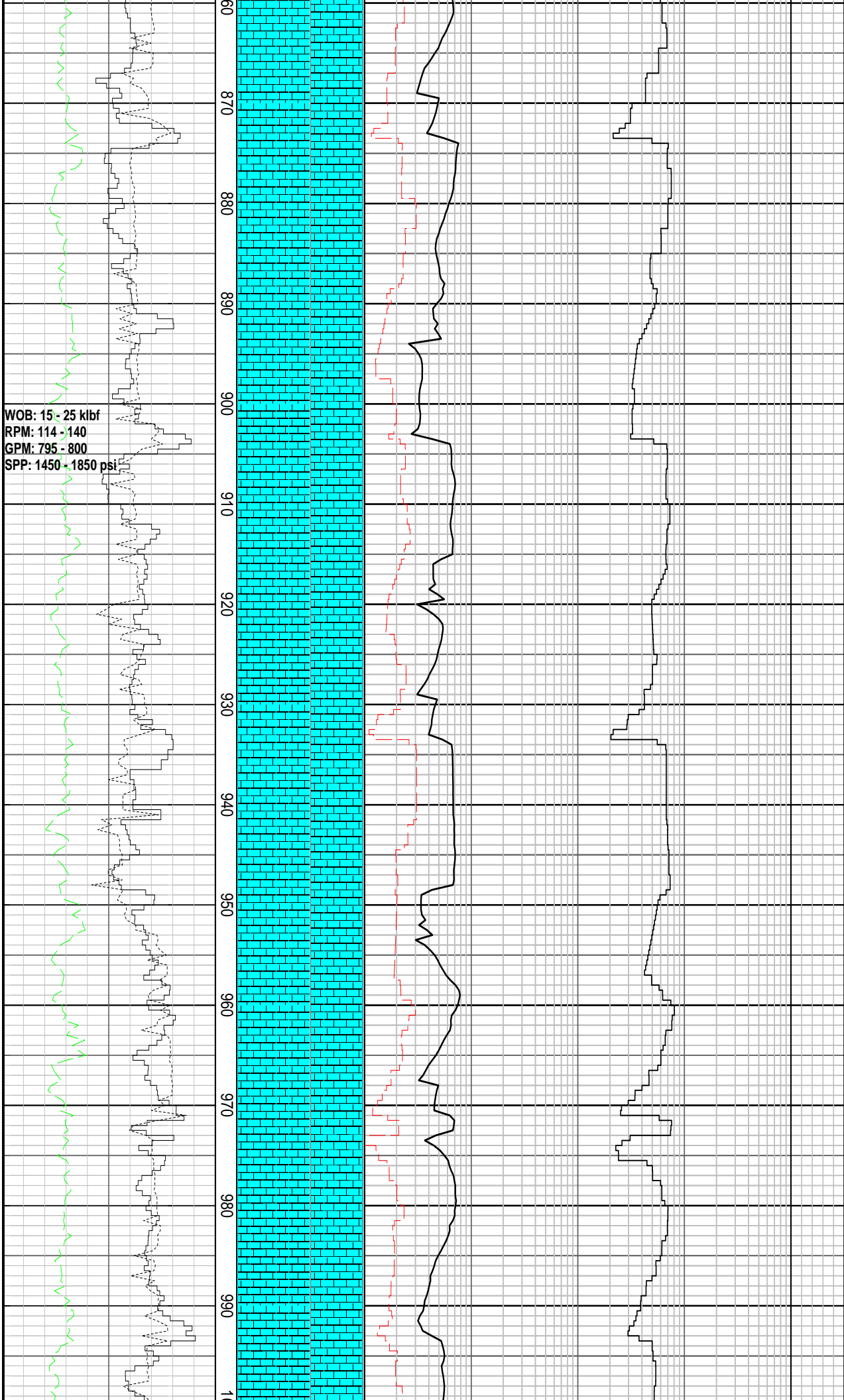
TVD: 857.6 m Inc: 0.21°

CALCILUTITE: m gy, v sft-sft, amor-sbbiky, disp, com nod pyr, mnr foss & shl frag (foram), tr xln calc, com m gy arg mtx, grd- ARGILLACEOUS CALCILUTITE

MW: 9.6 ppg FV: 46
PV: 13 YP: 26
Gels: 9/18/22 pH: 10

MD: 946.72 m Azi: 341.57°
TVD: 946.7 m Inc: 0.13°

CALCILUTITE: m gy, sft, amor-sbbiky, disp, tr nod pyr, mnr foss & shl frag (foram), tr xln calc, com m gy arg mtx, grd- ARGILLACEOUS CALCILUTITE

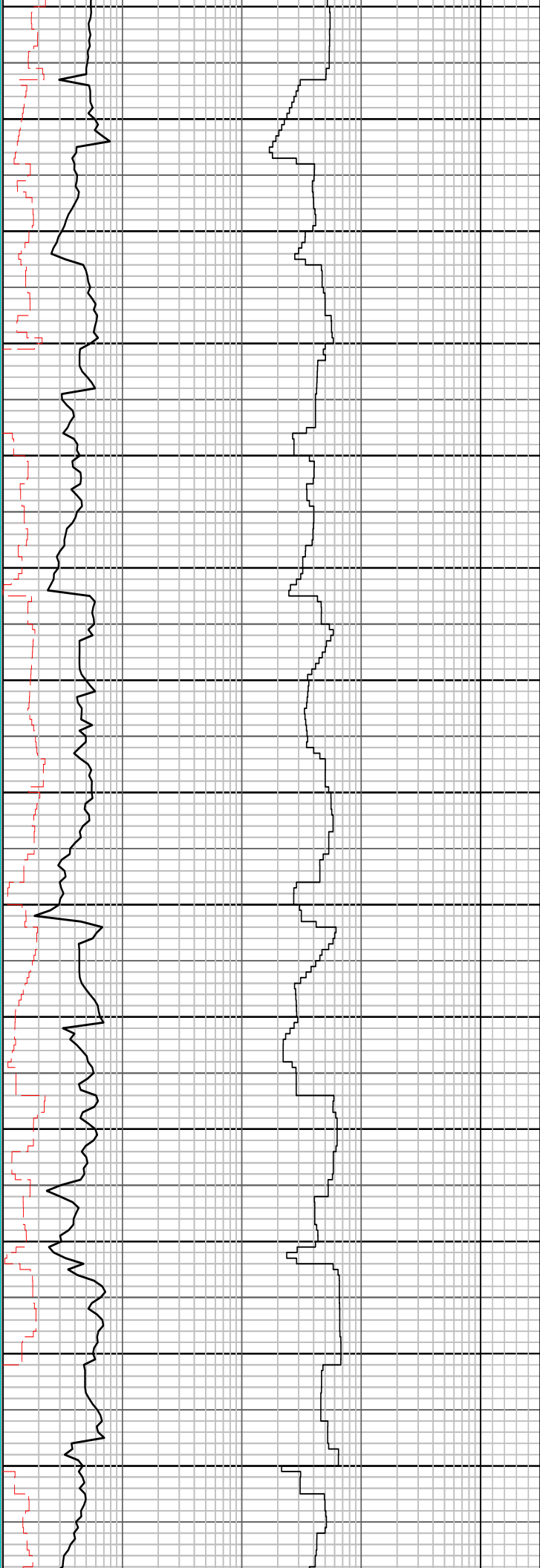
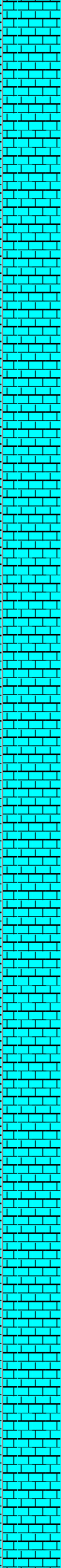


WOB: 15 - 25 klbf
RPM: 114 - 140
GPM: 795 - 800
SPP: 1450 - 1850 psi

WOB: 15 - 25 klbf
RPM: 1140 - 143
GPM: 800 - 805
SPP: 1685 - 2035 psi

WOB: 15 - 25 klbf
RPM: 132-140
GPM: 800 - 865
SPP: 1950 - 2500 psi

1000
1010
1020
1030
1040
1050
1060
1070
1080
1090
1100
1110
1120
1130
1

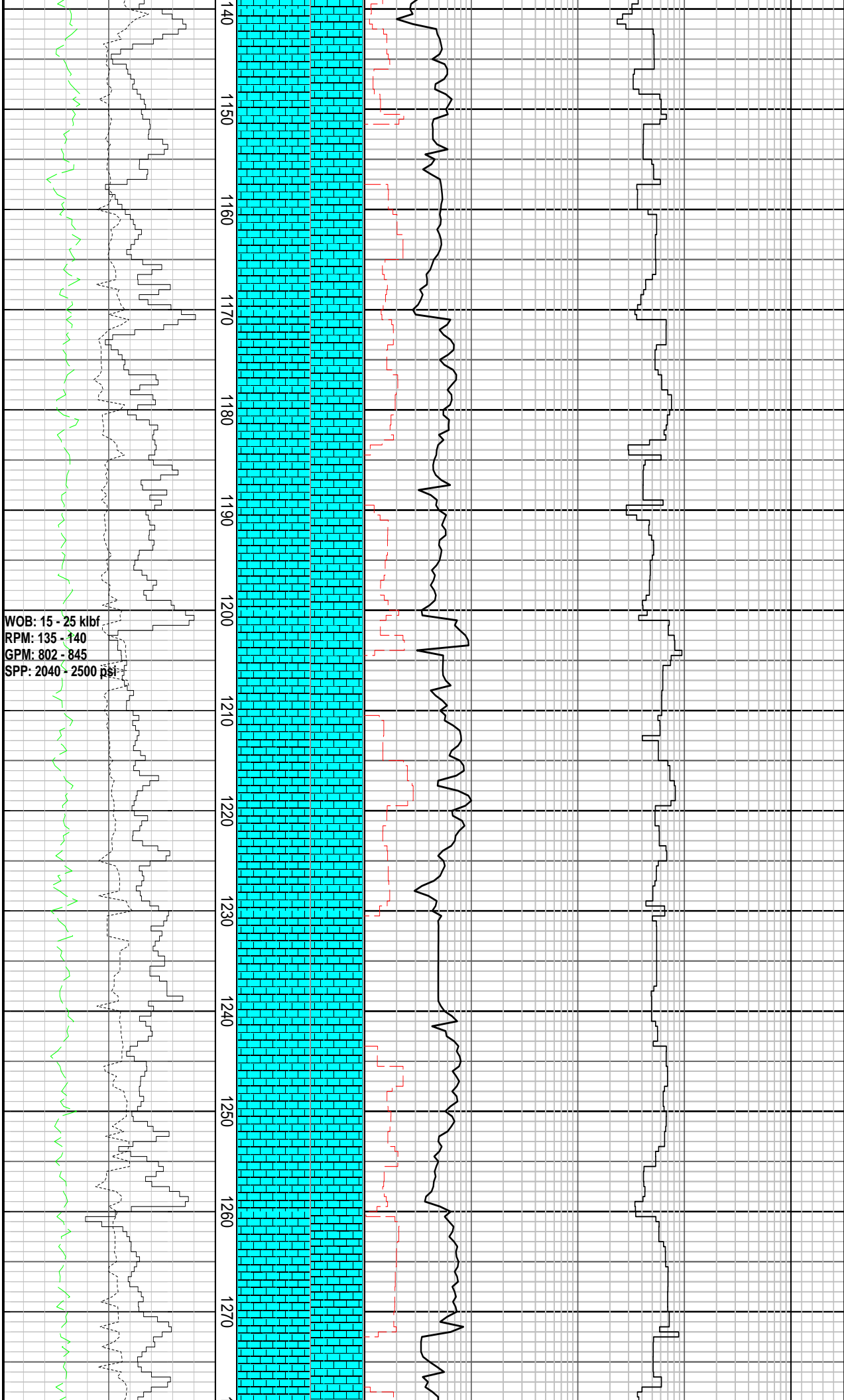


MD: 1035.71 m Azi: 313.67°
TVD: 1035.7 m Inc: 0.13°

ARGILLACEOUS CALCILUTITE: m gy, sft- mod frm, sbbiky, disp, tr foss & shl frag (foram), tr xln calc, abd m gy arg mtx

MW: 9.6 ppg FV: 56
PV: 18 YP: 33
Gels: 14/20/23 pH: 9.5

ARGILLACEOUS CALCILUTITE: m dk olv gy, frm, sbbiky-blky, disp, r but diverse range of planktic & benthic foram, tr bry frag, tr clus pyr nod, tr xln calc

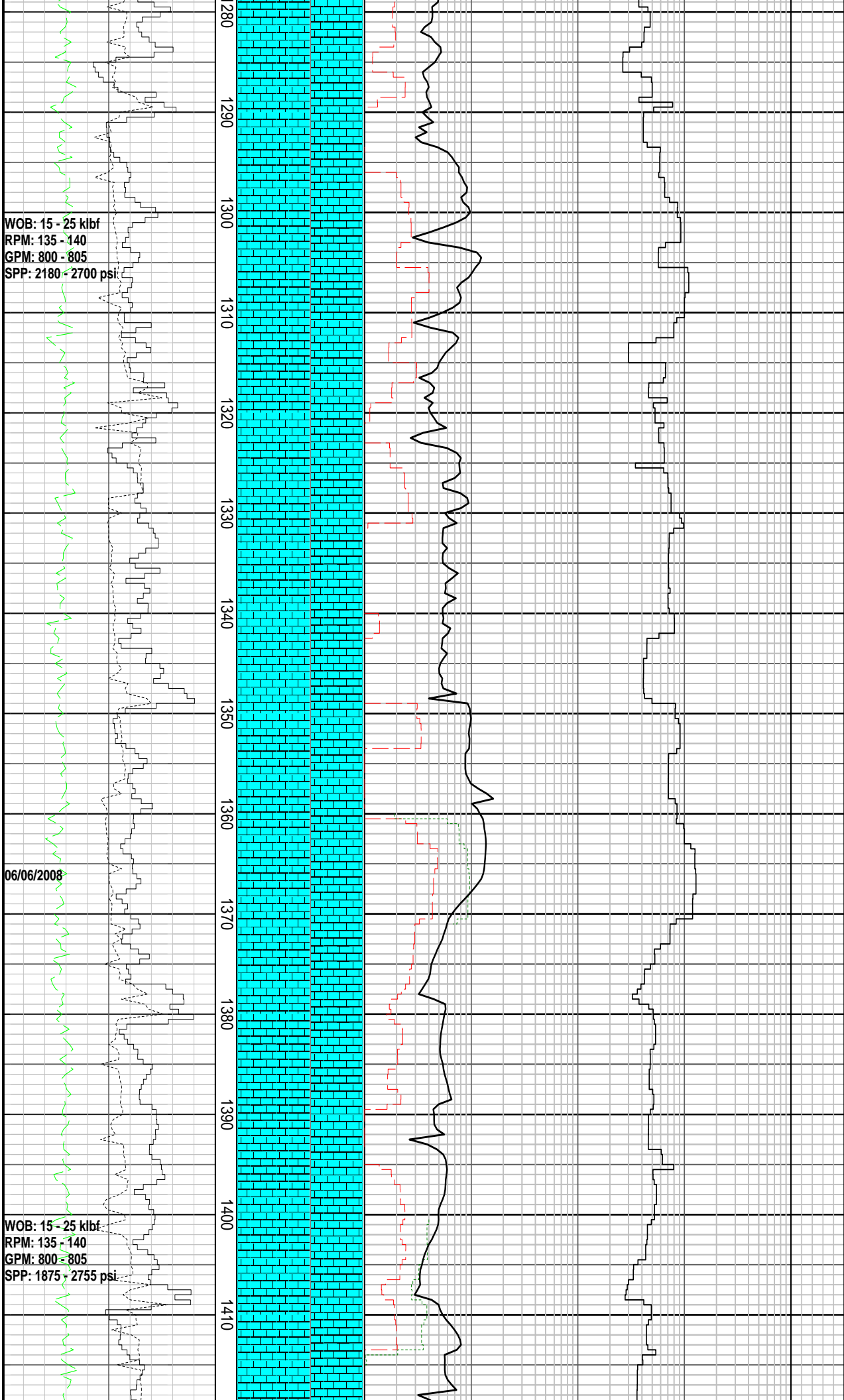


WOB: 15 - 25 klbf
 RPM: 135 - 140
 GPM: 802 - 845
 SPP: 2040 - 2500 psi

MD: 1184.34 Azi: 38.39°
 TVD: 1184.3 Inc: 0.20°

ARGILLACEOUS CALCILUTITE: m dk
 olv gy, frm, loc mod hd, sbbkly, disp,
 foram, tr bry frag, tr clus pyr nod, sli
 more arg

ARGILLACEOUS CALCILUTITE: m olv
 gy-grnsh gy, frm, sbbkly-blky, mnr sft
 mod hd, r foram, tr wh, or, trnsp xln
 calc, tr pyr



WOB: 15 - 25 klf
 RPM: 135 - 140
 GPM: 800 - 805
 SPP: 2180 - 2700 psi

06/06/2008

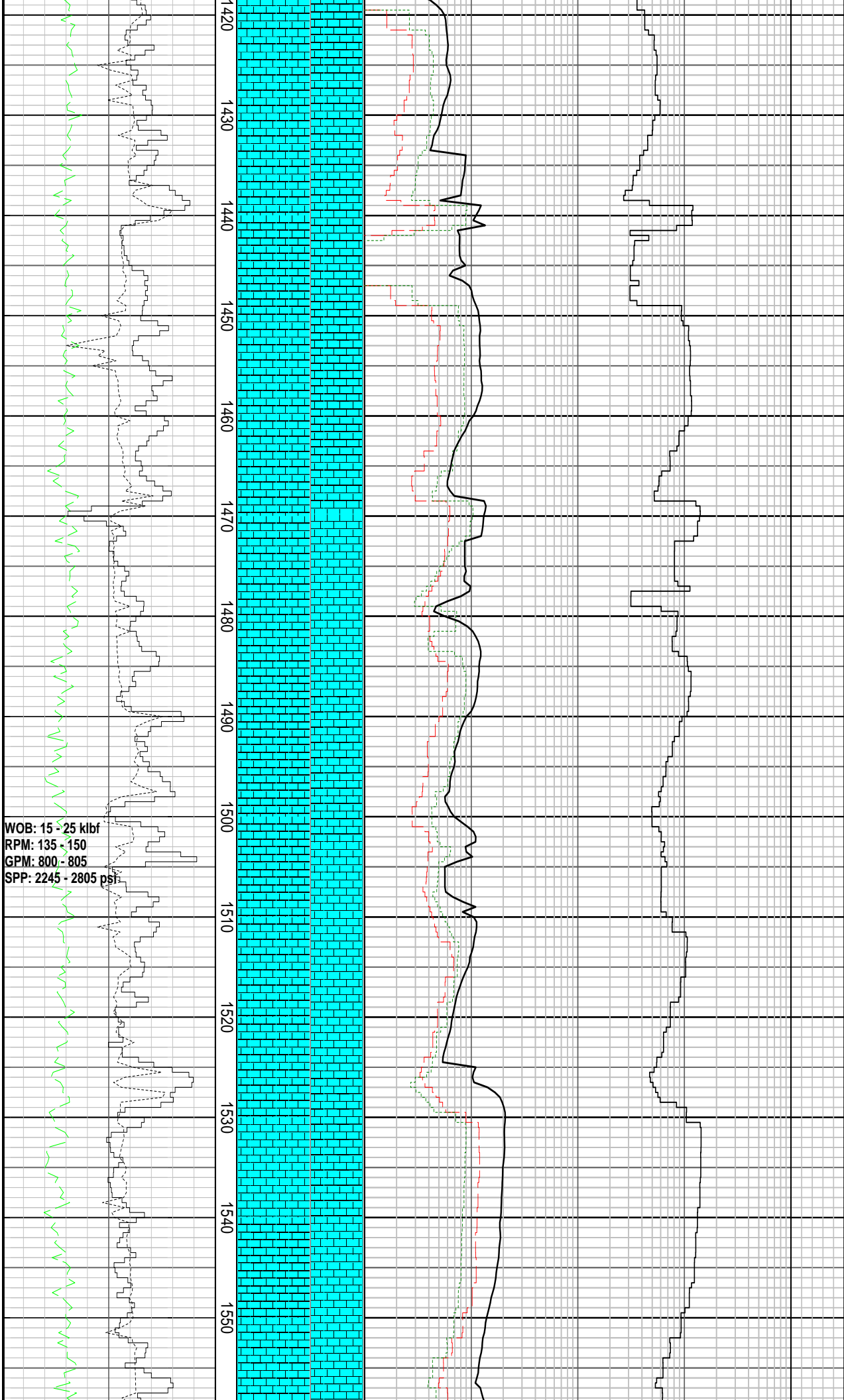
WOB: 15 - 25 klf
 RPM: 135 - 140
 GPM: 800 - 805
 SPP: 1875 - 2755 psi

ARGILLACEOUS CALCILUTITE: m olv
 gy, frm, sbbiky-blky, hom, tr foram, tr
 pyr, tr bry, tr or trnsl calc

MD: 1333.11 m	Azi: 19.33°
TVD: 1333.1 m	Inc: 0.43°

ARGILLACEOUS CALCILUTITE: m olv
 gy-grnsh gy, sft-hd, mod frm,
 sbbiky-blky, r planktic foram, tr pyr
 nod clus

ARGILLACEOUS CALCILUTITE: lt olv
 gy-grnsh gy, sft-hd, mod frm,
 sbbiky-blky, tr foram, tr pyr nod clus



WOB: 15 - 25 klbf
 RPM: 135 - 150
 GPM: 800 - 805
 SPP: 2245 - 2805 psi

ARGILLACEOUS CALCILUTITE: It olv gy-grnsh gy, sft-hd, mod frm, sbblky-blky, com foram, tr ech spn, tr xln pyr agg

ARGILLACEOUS CALCILUTITE grd to CALCAREOUS CLAYSTONE: It olv gy-m dk olv gy, frm, sbblky-blky, r foram, tr pyr strk, tr lt or trnsl xln calc

MD: 1480.34 m Azi: 19.34°
 TVD: 1480.3 m Inc: 0.74°

tr GLAUCONITIC CALCARENITE: It olv gy spkld gysh gn, frm-mod hd, sbfis, sln, com m-crs sd szgysh gn glau

CLAYSTONE: m gy-m dk gy, frm, brnsh gy i/p, sbblky-blky, tr qtz slt, tr dissem pyr, tr carb frag, non calc

ARGILLACEOUS CALCILUTITE grd to CALCAREOUS CLAYSTONE: It olv gy-m dk olv gy, frm, sbblky-blky, r foram, tr pyr strk, tr lt or trnsl xln calc clst
 MW: 9.9 ppg FV: 55

PV: 12 YP: 27
Gels: 11/17/19 pH: 9.0

tr GLAUCONITIC CALCARENITE: lt
olv gy spkld gysn gn, frm-mod hd,
sbfis, sln, com m-crs sd szgysh gn
glau

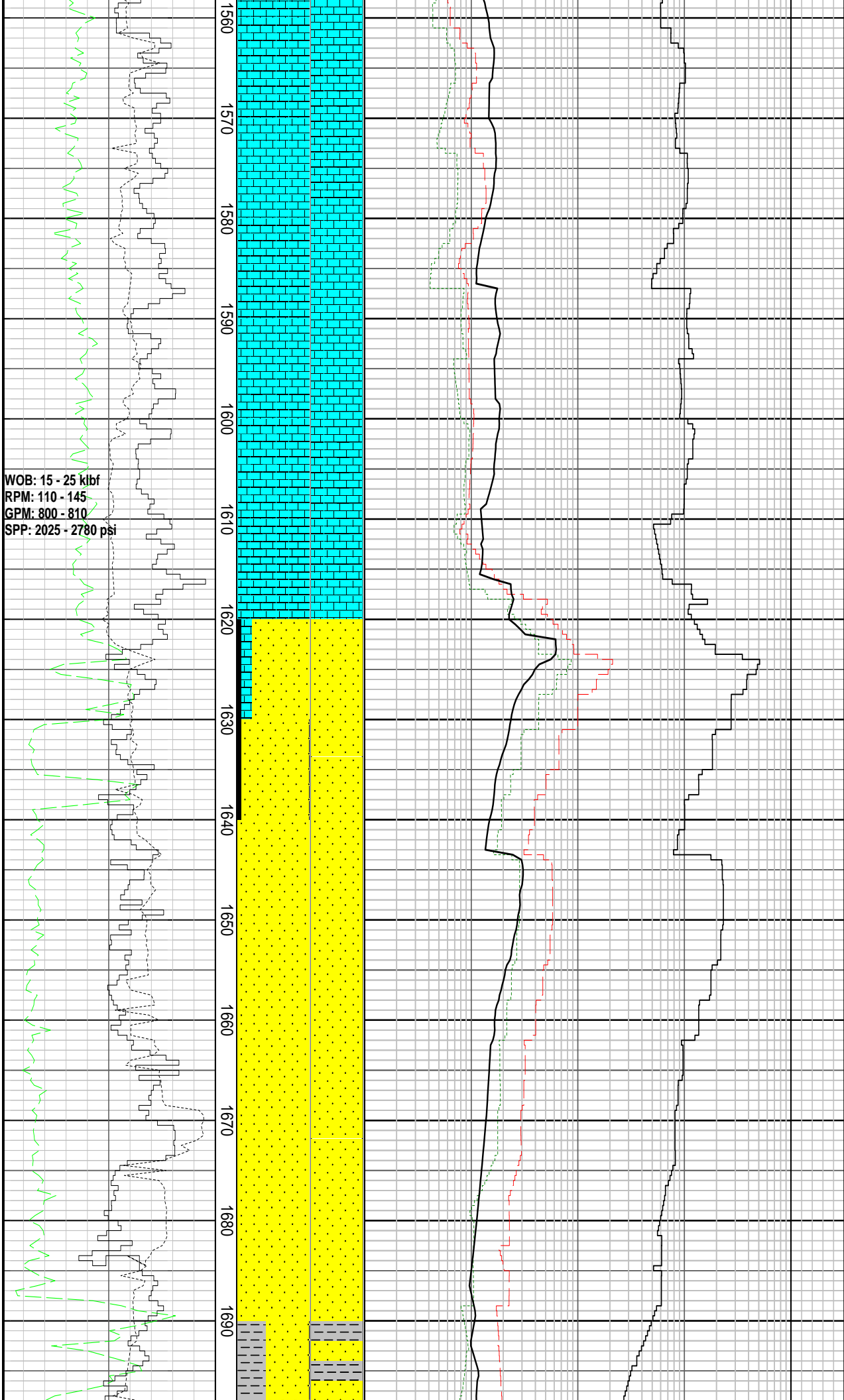
MD: 1596.44 m Azi: 16.38°
TVD: 1569.4 m Inc: 0.83°

FORAMINIFERAL CALCILUTITE: lt olv
gy-m gy, frm, sbblky-blky, disp, abd
foram, f-m gr sz, r nod pyr, abd m lt gy
arg mtx

MD: 1599.08 m Azi: 17.89°
TVD: 1599.0 m Inc: 0.79°

SANDSTONE: quartzose, wh-v lt gy,
clr-trnsl gr, tr mky, returned lse,
bimodal 60% v crs-gran, 40% f-crs, v
crs-gran gr are v ang-rndd, l-hi sph,
elong i/p, tr-r nod pyr, tr intgran
arg mtx, tr lith gr, gd inferred por, no
shw

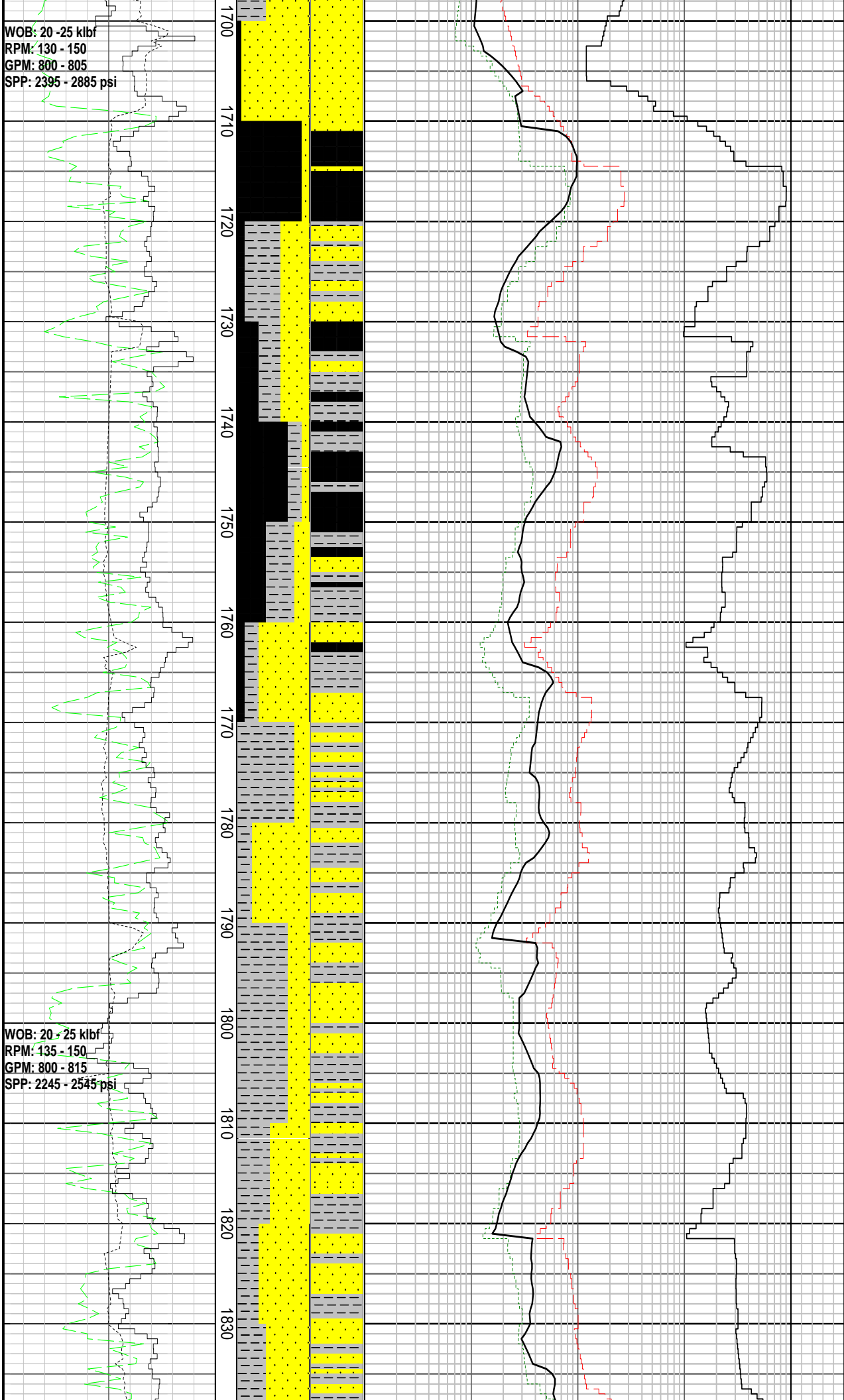
SANDSTONE: quartzose, wh-v lt gy, tr
lt brnsh gy-pl yel or, returned lse,
clr-trnsl gr, f-gran, pred crs-gran, abd
f-crs, ang-rnd, low-hi sp, pr srt, tr pyr
fros on some v crs- gra



WOB: 15 - 25 kJbf
RPM: 110 - 145
GPM: 800 - 810
SPP: 2025 - 2780 psi

WOB: 20 - 25 klbf
 RPM: 130 - 150
 GPM: 800 - 805
 SPP: 2395 - 2885 psi

WOB: 20 - 25 klbf
 RPM: 135 - 150
 GPM: 800 - 815
 SPP: 2245 - 2545 psi



CALCAREOUS CLAYSTONE: lt gy-m gy, mod frm-frm, sblky-blky, sli disp, mnr disse pyr, loc abd, strongly calc

COAL: brnsh blk-blk, frm, brit, sblky-sbconch, fiss-sbfiss i/p, sb vit-vit lstr

SANDSTONE: quartzose, wh-v lt gy, tr lt brnsh gy, returned lse, f-v crs, pred f-m, mnr-com crs-v crs, ang-rnd, pred ang-sbrnd, mod-hi sph, pr srt, tr lt gy arg mtx, gd inf por, no

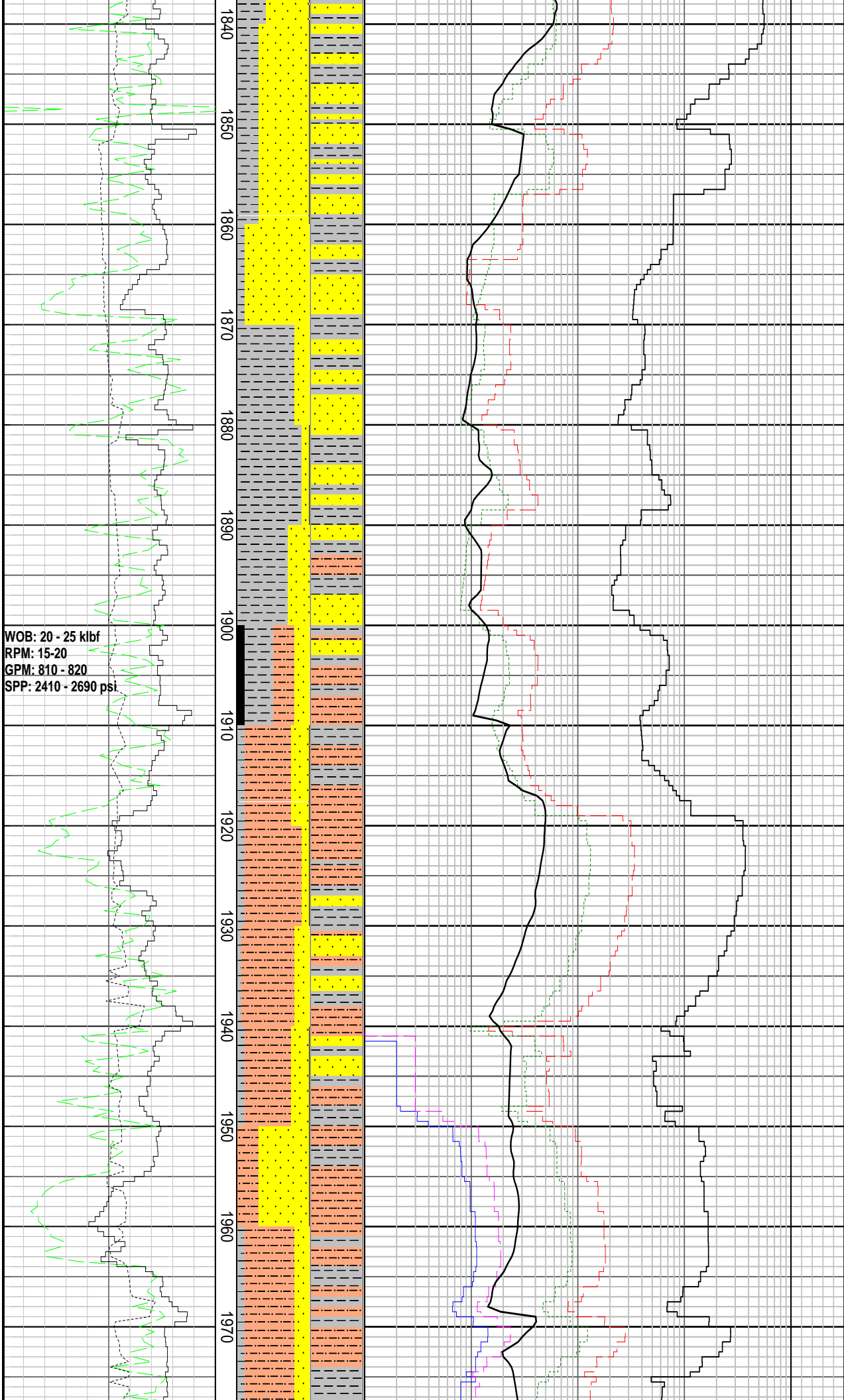
MD: 1745.75 m	Azi: 4.99°
TVD: 1745.7 m	Inc: 1.09°

MW: 9.9 ppg	FV: 53
PV: 17	YP: 33
Gels: 14/21/26	pH: 9.0

CARBONACEOUS CLAYSTONE: m dk gy-dk gy, mod frm-pred frm, sblky-blky, sli disp, mnr disse pyr, abd carb mat, wk calc

SANDSTONE: quartzose, wh-v lt gy, tr lt brnsh gy, rtrnd lse, v f-m gr, pred f-m, mnr v f-f, ang-sbrnd, pred sbang-sbrnd, mod-hi sph, wl srt, tr-r lt gy arg mtx, fr inf por, no s

CLAY: brnsh gy-dk gy, mod frm-pred frm, sblky-blky, sli disp, mnr disse pyr, com carb frag, wk calc



WOB: 20 - 25 klbf
 RPM: 15-20
 GPM: 810 - 820
 SPP: 2410 - 2690 psi

SANDSTONE: qrtzose, wh-v lt gy, tr lt brnsh gy, rtrnd lse, v f-m gr, pred f-m, mnr v f-f, ang-sbrnd, pred sbang-sbrnd, mod-hi sph, wl sr, tr-r lt gy arg mtx, fr inf por

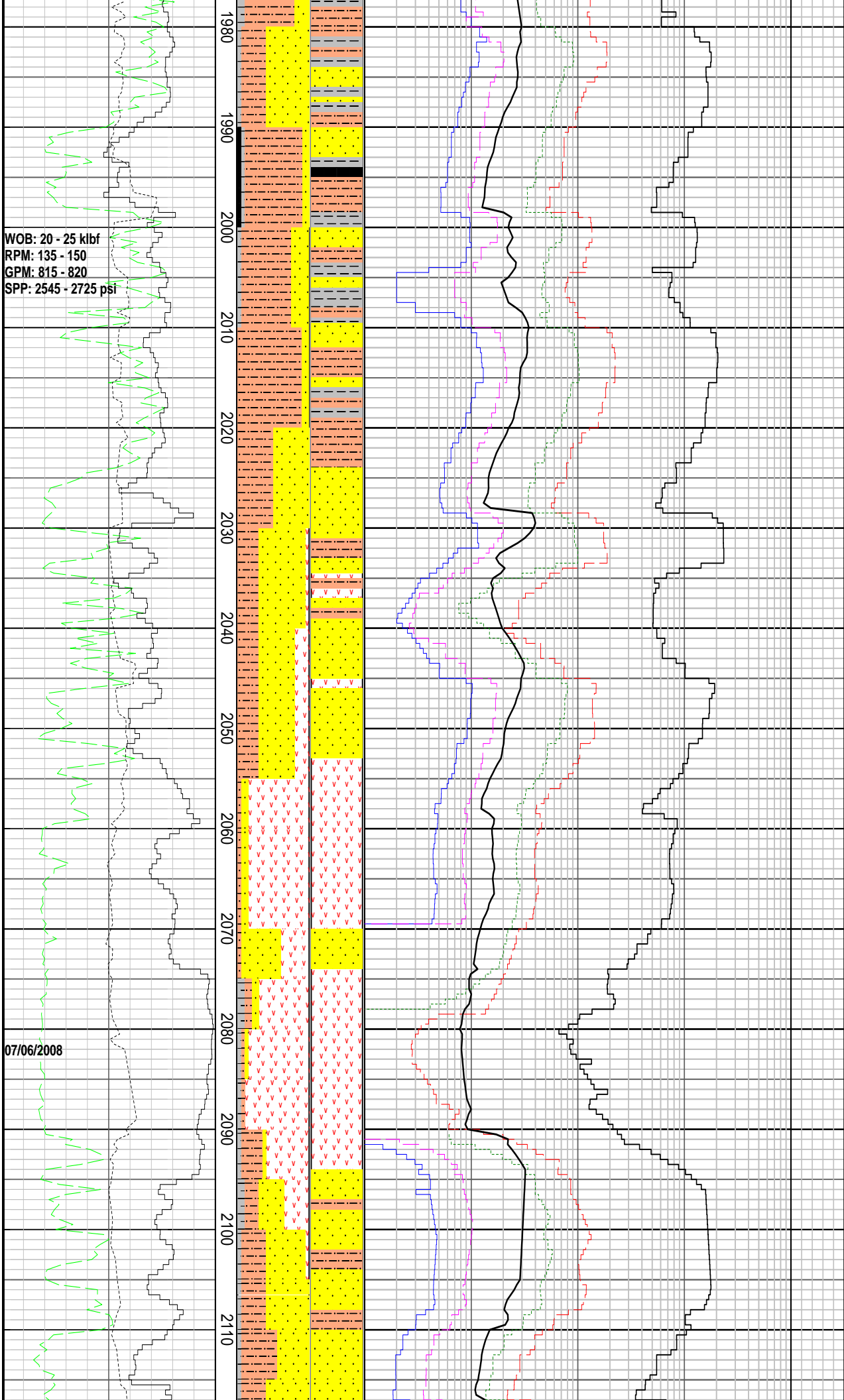
CLAYSTONE: m it gy-m gy, frm, sbbiky-blky, sli disp, tr-r slit, tr nod & dissem pyr, tr carb wisps & frag, non calc

MD: 1893.73 m Azi: 353.25°
 TVD: 1893.6 m Inc: 1.24°

SILTSTONE: lt-m brnsh gy, sft-mnly frm-mod hd, sbbiky-blky, non calc, com hi micaceous, com w/ blk carb-coaly microlam, com nod-irr pyr mas

MW: 10.0 ppg FV: 52
 PV: 17 YP: 29
 Gels: 14/20/25 pH: 9.0

SANDSTONE: quartzose, v lt gy, lse, bimodal 1) v f u-m l, pr srt 2) crs u-gram, mod srt, sbang-sbrnd, sbsph trnsp-trnsl qtz, tr rnd m dk gy lith



SILTSTONE: brnsh gy-gy brn, frm-mod hd, sbfiss-sbblky, w/ abd v f carb spk, non calc, r w/ lenses of microxin pyr

MD: 2040.91 m Azi: 351.03°
 TVD: 2040.8 m Inc: 1.64°

VOLCANICS: v lt yel-or, frm-mod hd, flk, lt gy grndmass w/ extnsv clay seams & codt, non calc

VOLCANICS: lt gy-lt gnsh gy, spkl lt or yel spkl dk gy, mod hd, blk, non calc, lt gy grndmass, loc apr vnlets lt yel cl, len sulphide, loc acic gy xln. No fluoro

SILTSTONE: brnsh gy-dsky brn, frm-mod hd, sbblky-blky, loc highly micaceous, loc carb, r carb microlam

SANDSTONE: lt gy, lse, f l-m u, mod srt, sbang-rnnd, trnsp-trnsl qtz

SILTSTONE: dk brnsh gy, blk, mod hd, com f carb mat, c lens

BASALT: dk gnsh gy-gnsh blk, hd, blk, loc f-m grnd phenocrysts

CLAYSTONE: v lt brn-lt olb, frm, sbfiss wxy tex, non calc

VOLCANICS: v lt gy-pl gn, sft, sbblky, non calc, r clus pyr xln

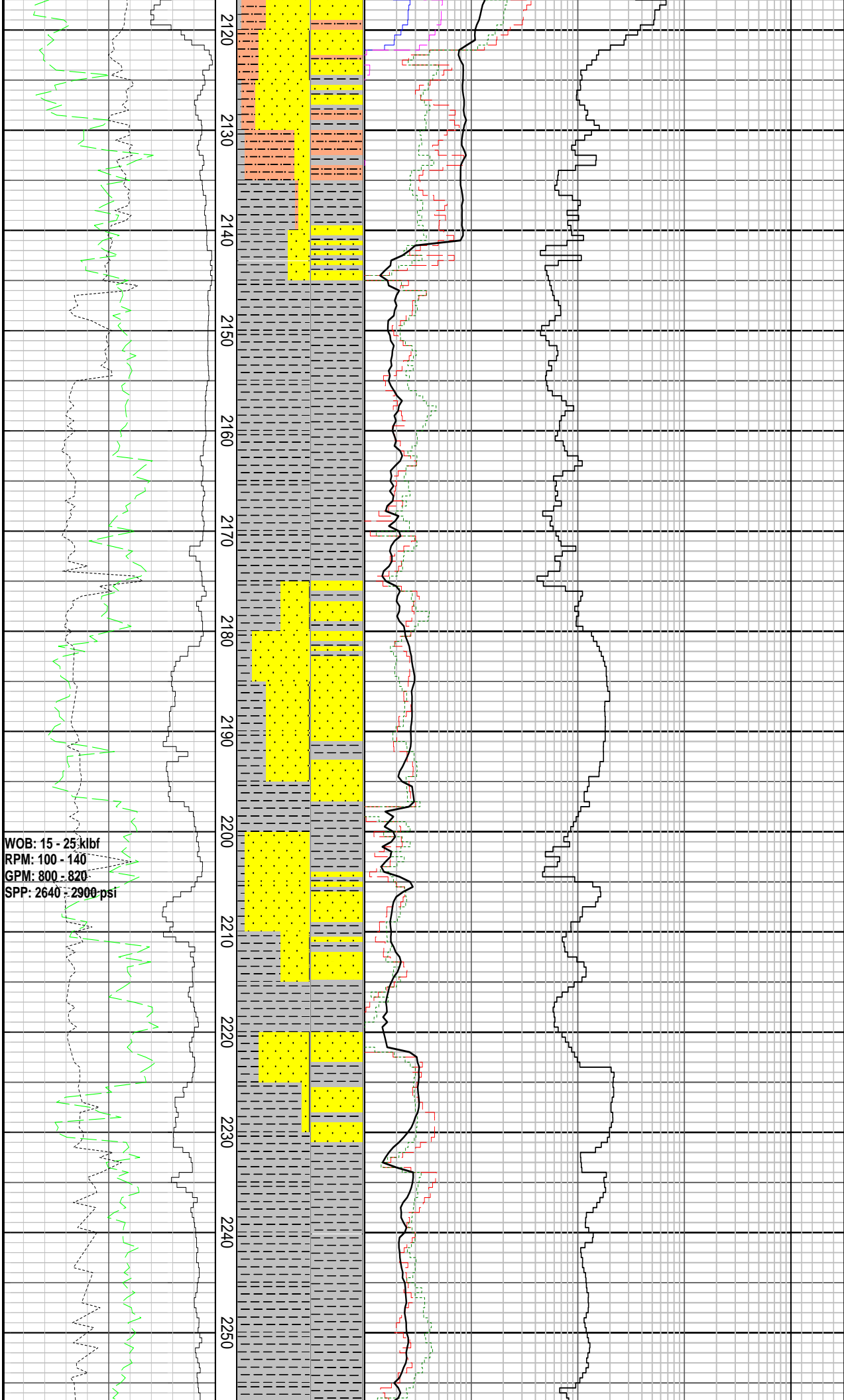
SANDSTONE: lt gy, lse, v f u-f u, w srt tr v crs gr, sbang-sbrnnd, trnsp-trnsl qtz

SILTSTONE: brnsh gy, dk yelsh brn-dsky brn, mod h, blk-sbfis, non calc, r carc microlam, grd-clst

CLAYSTONE: m gy, fis, pl yel brn i/p, v sft, frm, wxy tex, non calc

SANDSTONE: lt gy, lse, bimod crs u-gran, mod srt, sbord f l-m l, mod w srt, sbang-sbrnd, r w rnnd, trnsl qtz

SANDSTONE: crs u-v crs u, r gran, mod ang frag, mnr sbrnd qtz grn, t m dk qv metased lit. incl 10% f-c sst ad



WOB: 15 - 25 kbf
 RPM: 100 - 140
 GPM: 800 - 820
 SPP: 2640 - 2900 psi

h ang flk, stng calc cmt, n vis por, brt
 lt yel drt fluoro bt n cut,
SILTSTONE: grd-clst, brnsh gy, dk yel
 brn, dsky brn, com carb mat or
 microlam, com lse v c sd-sz pyr nod.
 incl 2% sst brt fluoro

SANDSTONE: crs u-v crs u, r gran,
 mnly ang frag, mnr sbrnd sph qtz gr,
 tr m dk gy metased lith. includes 10
 f-crs sst agg, hd ang flk, st calc cmt,
 Rys, Rys, Rys, no cut, inf calc min
 fluor

MW: 11.0 ppg	FV: 51
PV: 18	YP: 30
Gels: 11/22/27	pH: 8.5

CLAYSTONE: m gy-m dk gy, frm,
 brnsh gy i/p, sb blkly-blky, tr qtz slit, tr
 pyr, tr carb frag, non calc

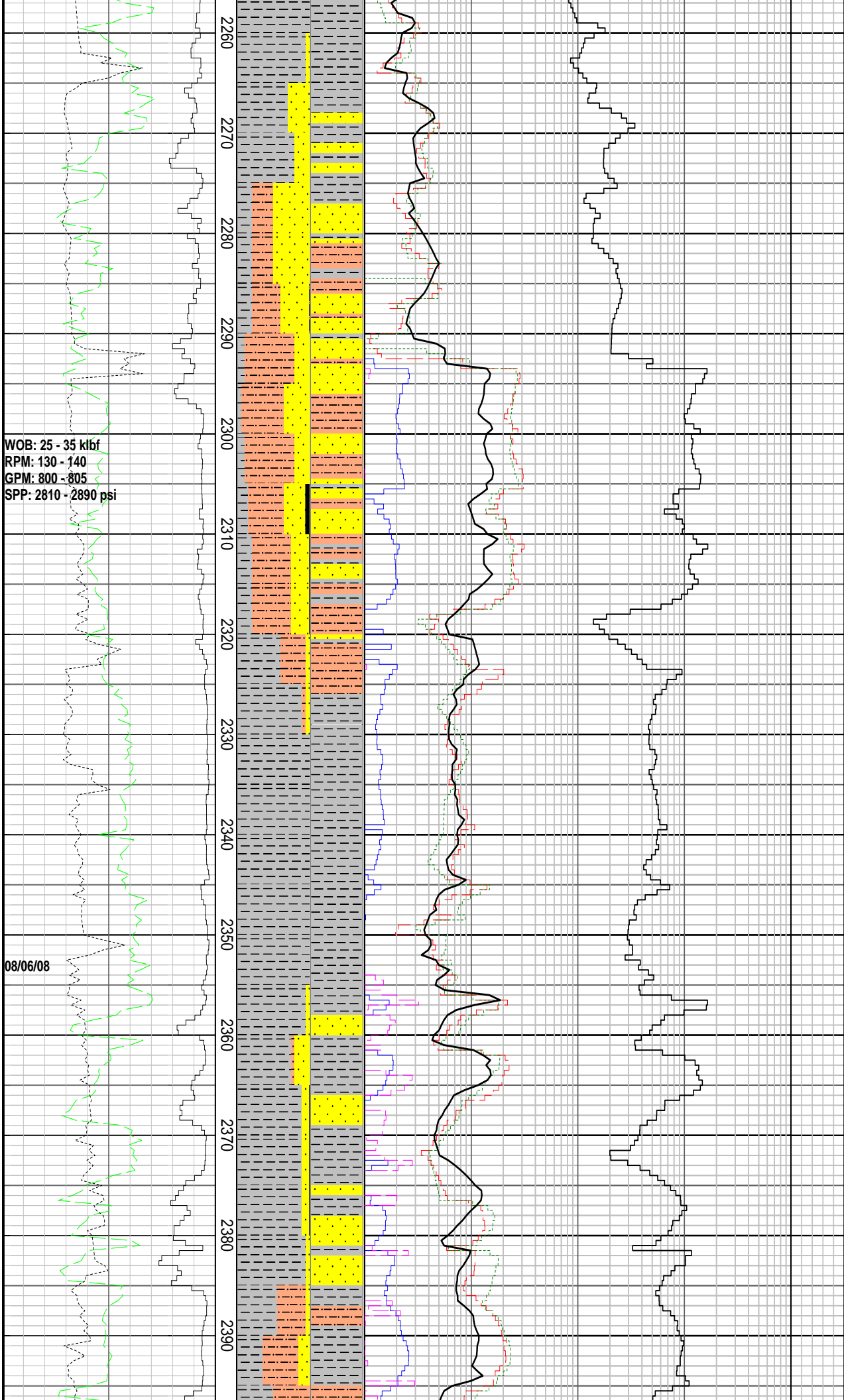
SANDSTONE: qtzose, wh-v lt gy, tr
 mod or pk, cl-pred trnsl gr, rtrnd lse, v
 f-m gr, pred f-m, com v f, ang-sbrnd,
 low-mod sph, w srt, tr calc cmt, tr lith
 gr, fr-gd inf por,

MD: 2188.18 m	Azi: 348.05°
TVD: 2188.0 m	Inc: 1.63°

CLAYSTONE: m gy-m dk gy, lt brnsh
 gy-brnsh gy i/p, frm, sbblkly-blky, tr
 qtz slit, tr disse&nod pyr, tr carb
 frag, non calc

SANDSTONE: qrtzose, wh-v lt gy, tr
 mod or pk, cl-pred trnsl gr, rtrnd lse, v
 f-m gr, pred f-m, com v f, ang-sbrnd,
 lo-mod shp, tr elong, w srt, nil-tr calc
 cmt, tr lith gr, fr-gd p

MW: 11.0 ppg	FV: 51
PV: 17	YP: 30
Gels: 13/22/26	pH: 9.0



SILTSTONE: m gy-brnsh gy, rm-mod hd, sbbiky-blky, non calc, r v f-f sd, com carb mat&lens, loc com micromica

SANDSTONE: qrtzose, wh-v lt gy, tr mod or pk, cl-pred trnsl gr, mnly lse, v f-m gr, pred f-m, com v f, ang-sbrnd, lo-mod shp, tr elong, w srt, infrd wk sst, cmt, gy lith, non calc,

COAL: blk-brnsh blk, frm-mod hd, fis, shly, prb uphole contam

CLAYSTONE: m dk gy, frm-mod hd, sbfis, tab-elong ctgs, non calc, homo

SILTSTONE: m gy-brnsh gy, rm-mod hd, sbbiky-blky, non calc, r v f-f sd, com carb mat&lens, loc com micromica, grd-clst

CLAYSTONE: m dk gy, frm-mod hd, sbfiss. tab-elong ctgs, non calc, homo, tr lt brn clst prb uphole

MW: 11.0 ppg	FV: 51
PV: 15	YP: 30
Gels: 12/25/-	pH: 9.0

CLAYSTONE: dk gy, frm-hd, sbfis, tab-elong ctgs, non calc, homo, tr lt brn clst prb uphole

SANDSTONE: lt gy, lse, v f l-m u, tr crs, mod srt, ang-sbrnd, trnsp-transl qtz

CLAYSTONE: lt-m brnsh gy, mntr m gy, mnly frm, sbfis-sbbiky, mntr sft, sbbiky, non calc, loc carb strk

SANDSTONE: lt gy, lse, f l-m l, w srt, ang-sbrnd, transp-transl qtz; 5% f sst agg, fri-mod had, loc tnd-rkflr, wkly calc cmnt, pr vis por. No shows

SILTSTONE: m brnsh gy, frm, sbbiky-blky, com v f sd, com-abd blk carb spk, non calc

MW: 11.05 ppg	FV: 48
PV: 16	YP: 28
Gels: 12/23/328	pH: 9.0

MD: 2395.12 m Azi: 329.99°
 TVD: 2394.8 m Inc: 1.70°

SANDSTONE: lt gy, lse, v f u-m l, mod srt, sbang-rnd, transp-transl qtz, tr v crs, rnd, sbspheroidal qtz gr no agg

SILTSTONE: m lt gy-m gy, frm, sbbiky-blky, com m gy arg mtr, com f qtz gr, tr wthd fspr gr, tr carb frag, gr/ arg arenite

CLAYSTONE: m gy-m dk gy, lt brnsh gy-brnsh gy i/p, frm, sbbiky-blky, tr qtz slt, tr disse & nod pyr, tr carb frag, non calc

MD: 2433.46 m Azi: 329.48°
 TVD: 2433.2 m Inc: 1.58°

SANDSTONE: qtzose, v lt gy, clr-trnsl&mky gr, com rnd lse, fri-frm agg, v f-m gr, pred v f-f r m, ang-sbrnd, tr rnd, l-mod sphericity, w srt, com wh-lt brnsh gy arg mtr, tr wk calc cmt, tr blk lit gr, tr mod brn-mod d li, tr wtd fspr gr, pr-fr inf por

Cut 3-1/2" core, 2450.0m to 2470.0m

MW: 11.0 ppg FV: 52
 PV: 18 YP: 32
 Gels: 14/26/32 pH: 9.5

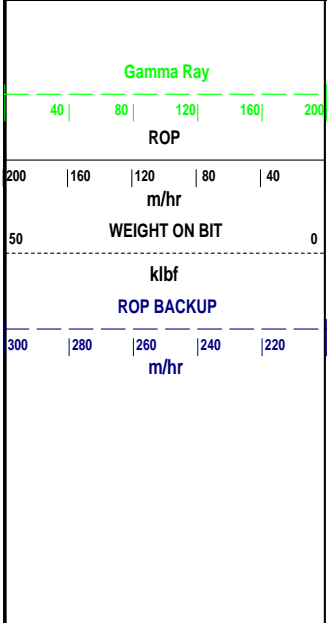
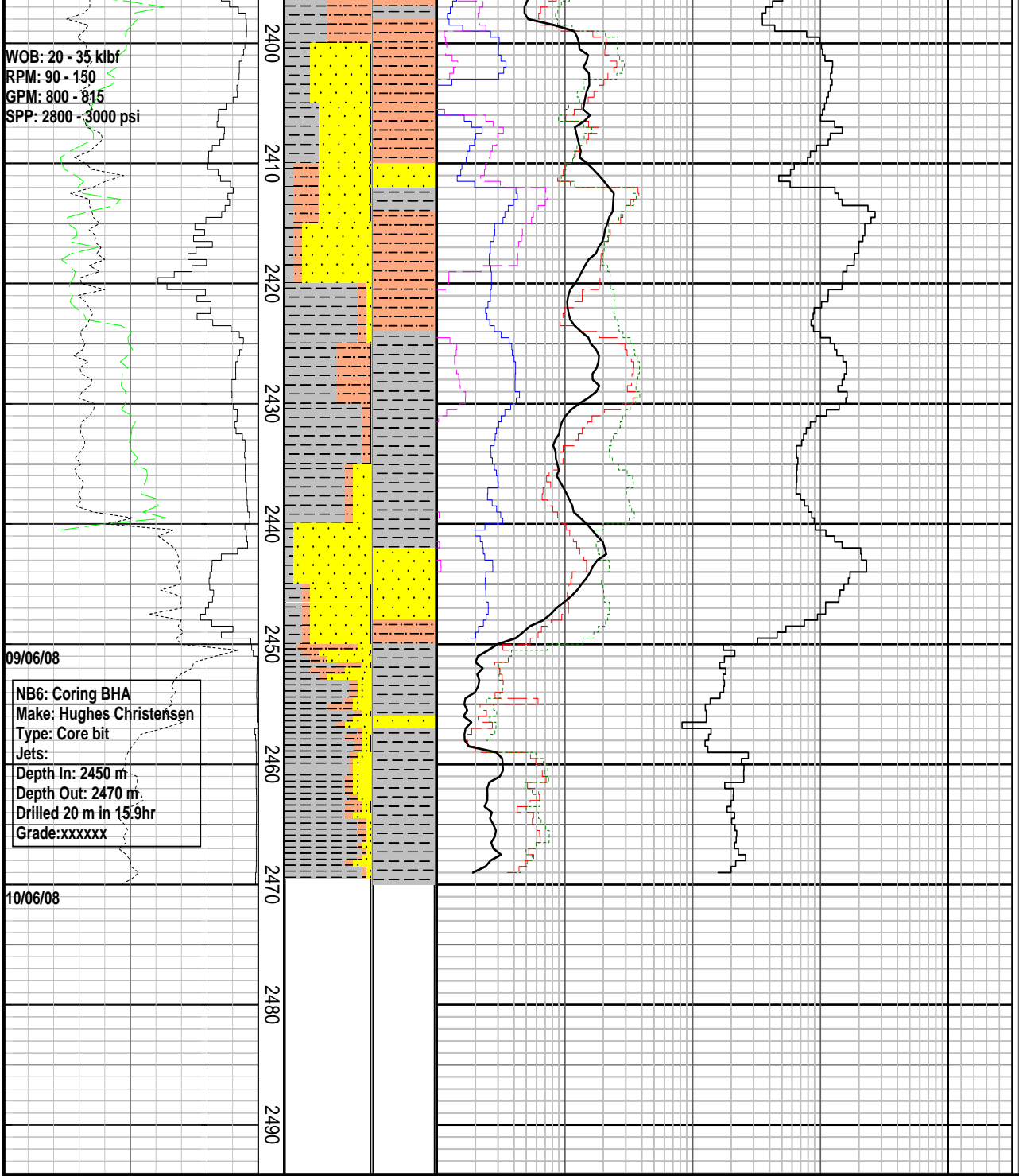
CLAYSTONE: m gy-m dk gy, lt brnsh gy-brnsh gy i/p, frm, sbbiky-blky, tr qtz slt, tr disse & nod pyr, tr carb frag, non calc
VOLCANICS: pale gn ang pbl-sz cgl

General comment: wide rng of lith incid uphole contam by ang cvg of gn&or wthd volc, brt c, etc

WOB: 20 - 35 klb
 RPM: 90 - 150
 GPM: 800 - 815
 SPP: 2800 - 3000 psi

09/06/08
 NB6: Coring BHA
 Make: Hughes Christensen
 Type: Core bit
 Jets:
 Depth In: 2450 m
 Depth Out: 2470 m
 Drilled 20 m in 15.9hr
 Grade:xxxxxx

10/06/08



Cuttings
 MD meters 1:500
 INTERPRETED LITHOLOGY

FORMATION EVALUATION LOG			
Chromatograph Data			
Methane ppm			
10	100	1000	10000
Ethane ppm			
10	100	1000	10000
Propane ppm			
10	100	1000	10000
iso-Butane ppm			
10	100	1000	10000
n-Butane ppm			
10	100	1000	10000
iso-Pentane ppm			
10	100	1000	10000
n-Pentane ppm			
10	100	1000	10000
Ditch Gas %			
0.1	1	10	100

Analysis
 Calcimetry
 Dolomite %
 DIRECT FLUOR

LITHOLOGY DESCRIPTIONS