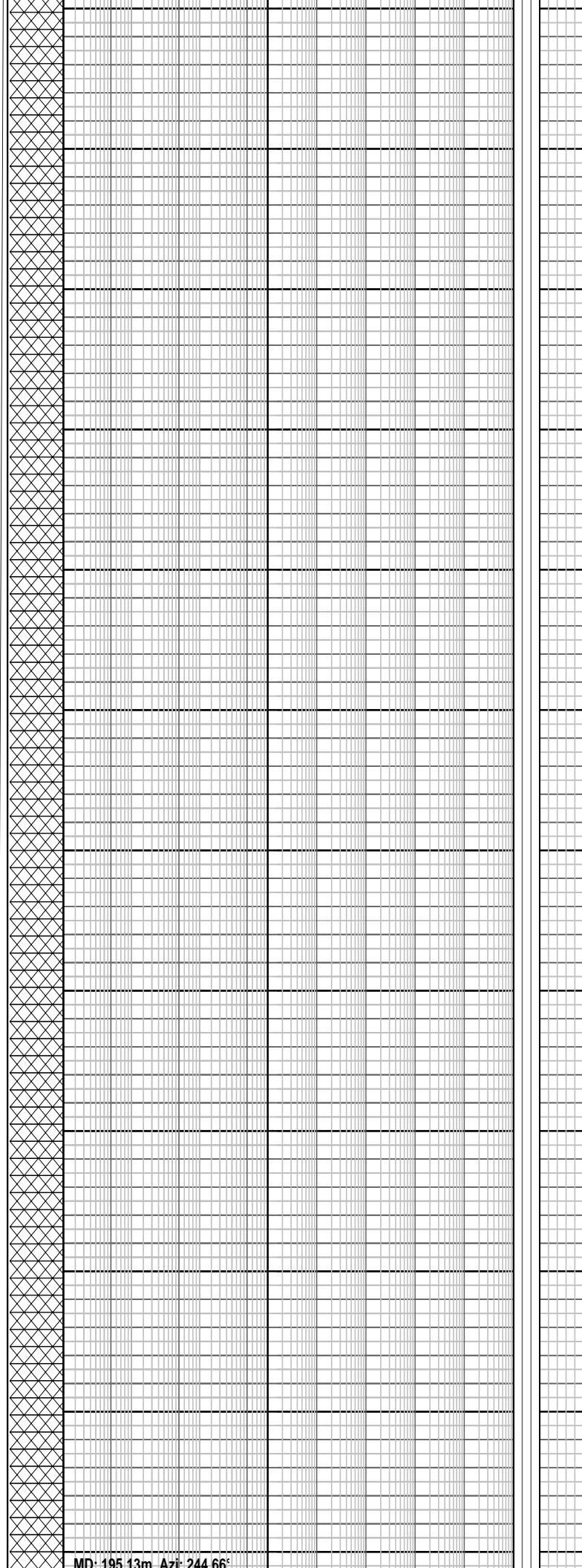
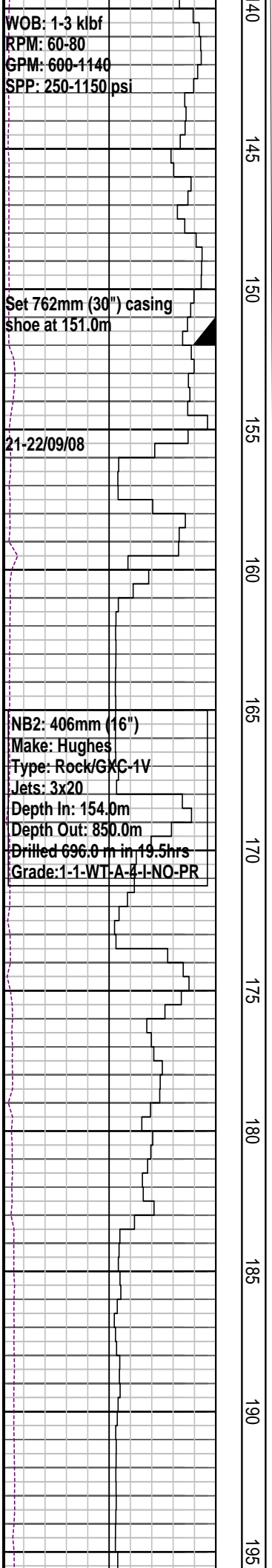


WOB: 1-3 klf
RPM: 60-80
GPM: 600-1140
SPP: 250-1150 psi

Set 762mm (30") casing shoe at 151.0m

21-22/09/08

NB2: 406mm (16")
Make: Hughes
Type: Rock/GKG-1V
Jets: 3x20
Depth In: 154.0m
Depth Out: 850.0m
Drilled 696.0 m in 19.5hrs
Grade: 1-1-WT-A-B-I-NO-PR



36" Hole Section TD 154.0m

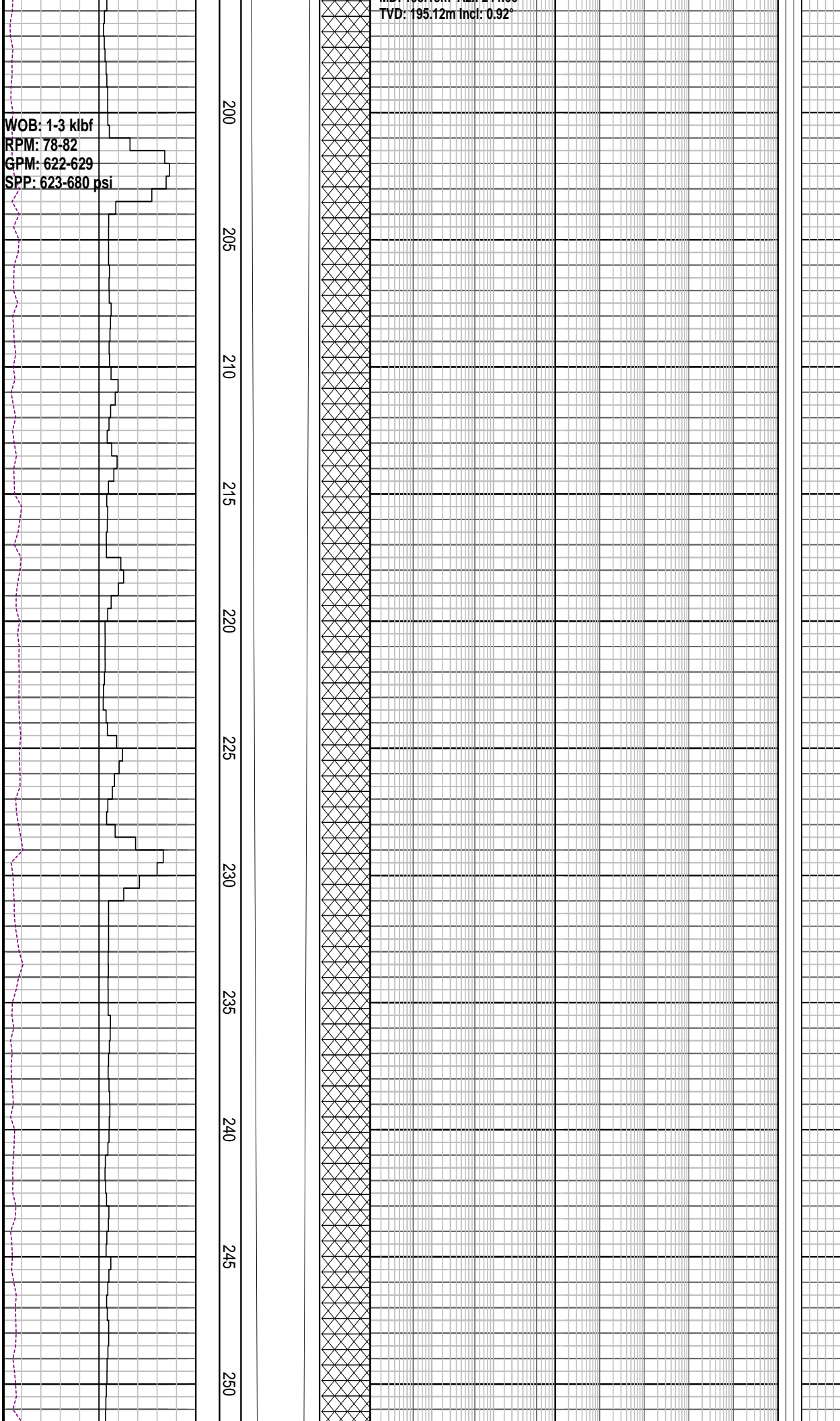
MD: 195.13m Azi: 244.66°

TVD: 195.12m Incl: 0.92°

WOB: 1-3 klf
RPM: 78-82
GPM: 622-629
SPP: 623-680 psi

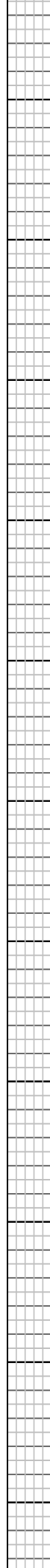
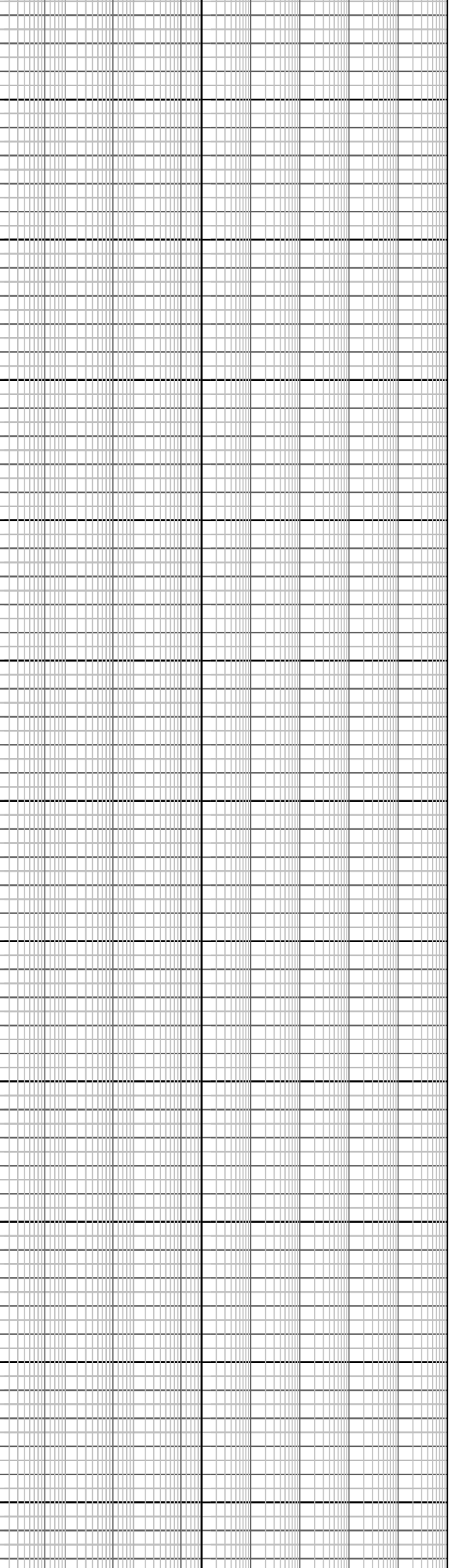
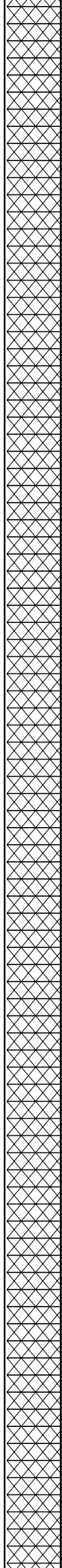
200
205
210
215
220
225
230
235
240
245
250

Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



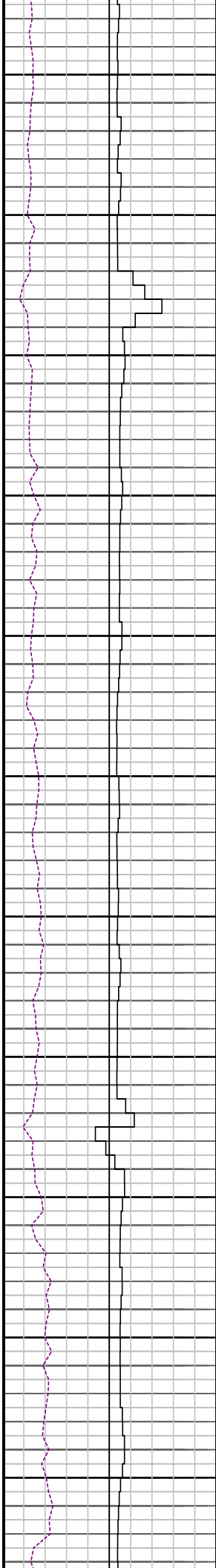


255
260
265
270
275
280
285
290
295
300
305

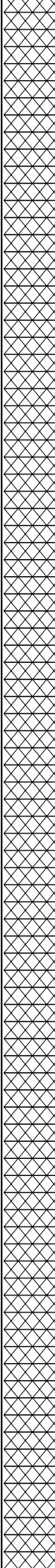


WOB: 1-3 klbf
RPM: 80-180
GPM: 622-1224
SPP: 570-2780 psi

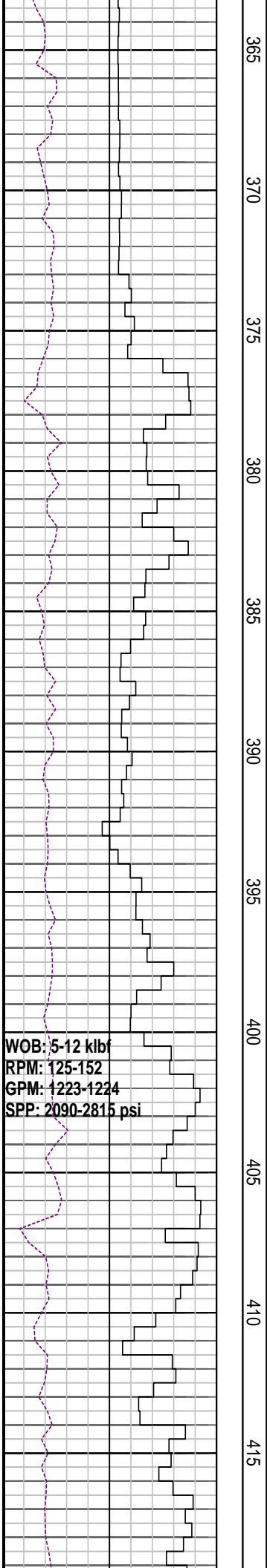
Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



310 315 320 325 330 335 340 345 350 355 360



MD: 341.42m Azi: 323.79°
TVD: 341.40m Incl: 0.03°

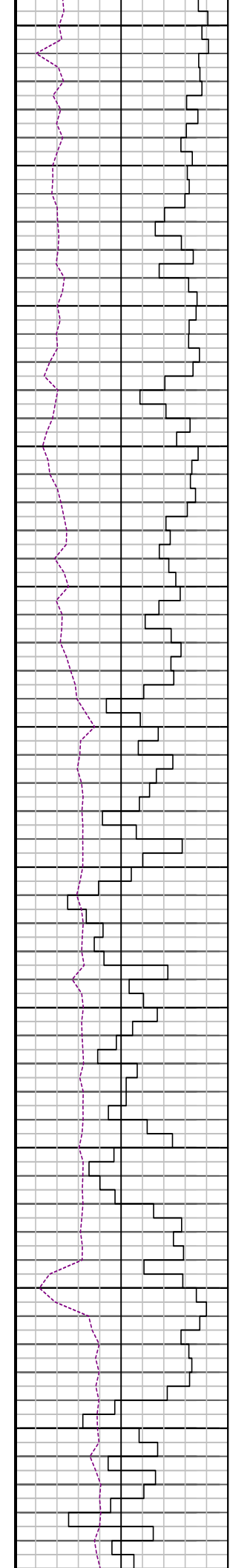


365
370
375
380
385
390
395
400
405
410
415

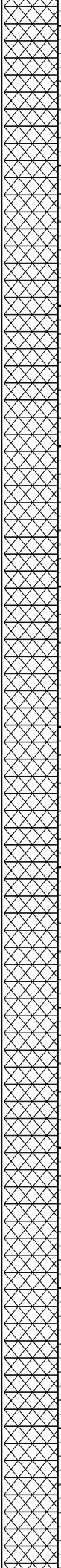
MD: 370.87m Azi: 246.56°
TVD: 370.85m Incl: 0.36°

MD: 399.83m Azi: 249.03°
TVD: 399.81m Incl: 0.45°

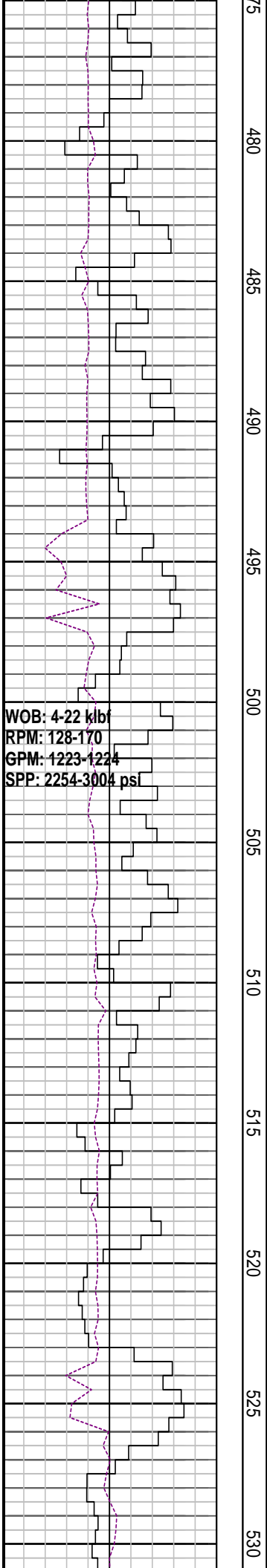
Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



420
425
430
435
440
445
450
455
460
465
470
475

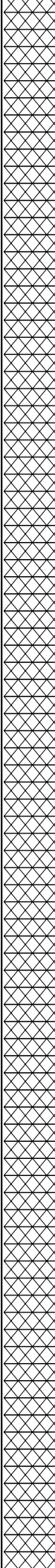


MD: 458.61m Azi: 256.30°
TVD: 458.59m Incl: 0.26°



WOB: 4-22 klf
RPM: 128-170
GPM: 1223-1224
SPP: 2254-3004 psi

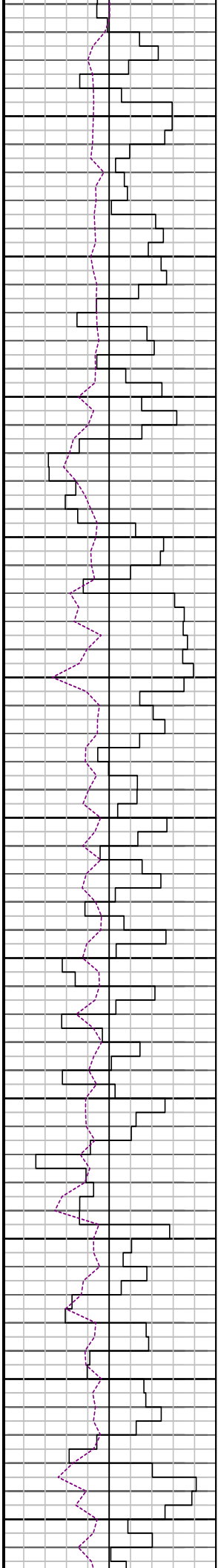
475
480
485
490
495
500
505
510
515
520
525
530



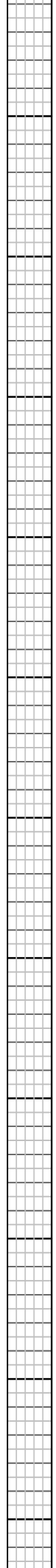
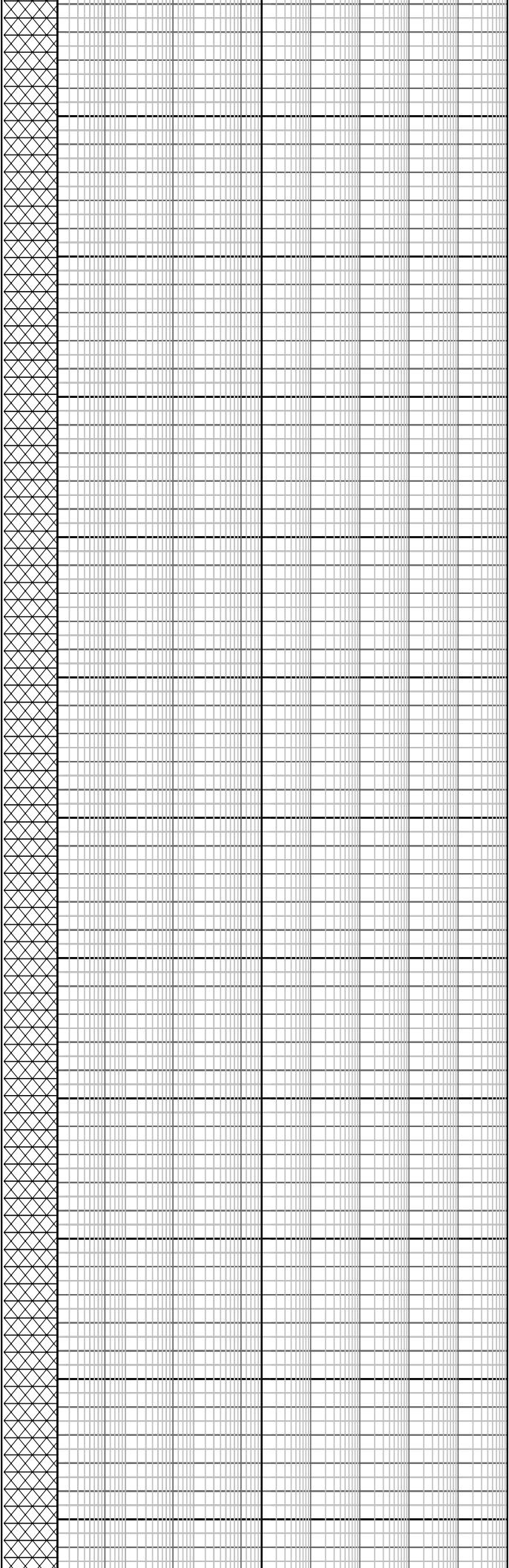
MD: 488.50m Azi: 298.03°
TVD: 488.48m Incl: 0.55°

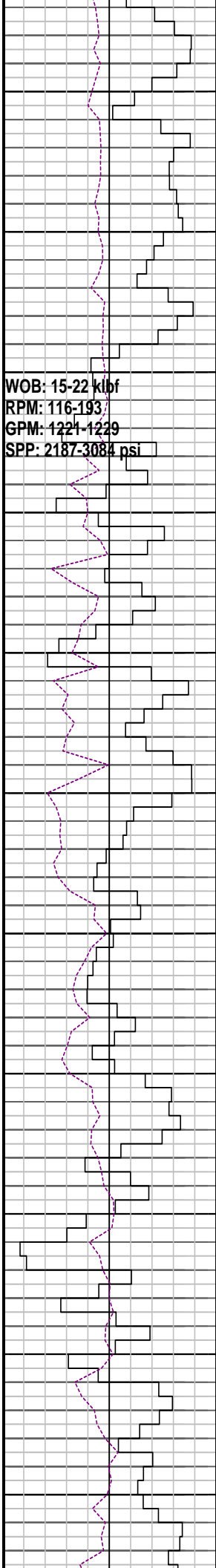
MD: 518.24m Azi: 302.41°
TVD: 518.22m Incl: 0.60°

Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



535 540 545 550 555 560 565 570 575 580 585





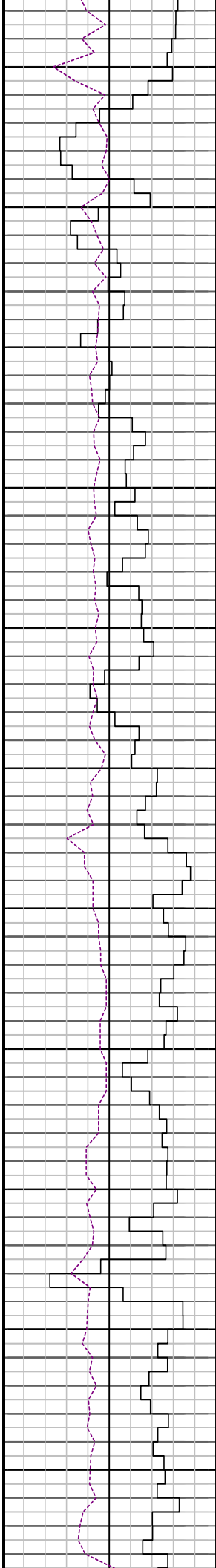
590
595
600
605
610
615
620
625
630
635
640

WOB: 15-22 klbf
RPM: 116-193
GPM: 1221-1229
SPP: 2187-3084 psi

MD: 607.51m Azi: 265.06°
TVD: 607.48m Incl: 0.34°

MD: 634.48m Azi: 227.13°
TVD: 634.45m Incl: 0.12°

Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



645

650

655

660

665

670

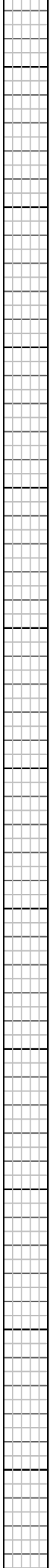
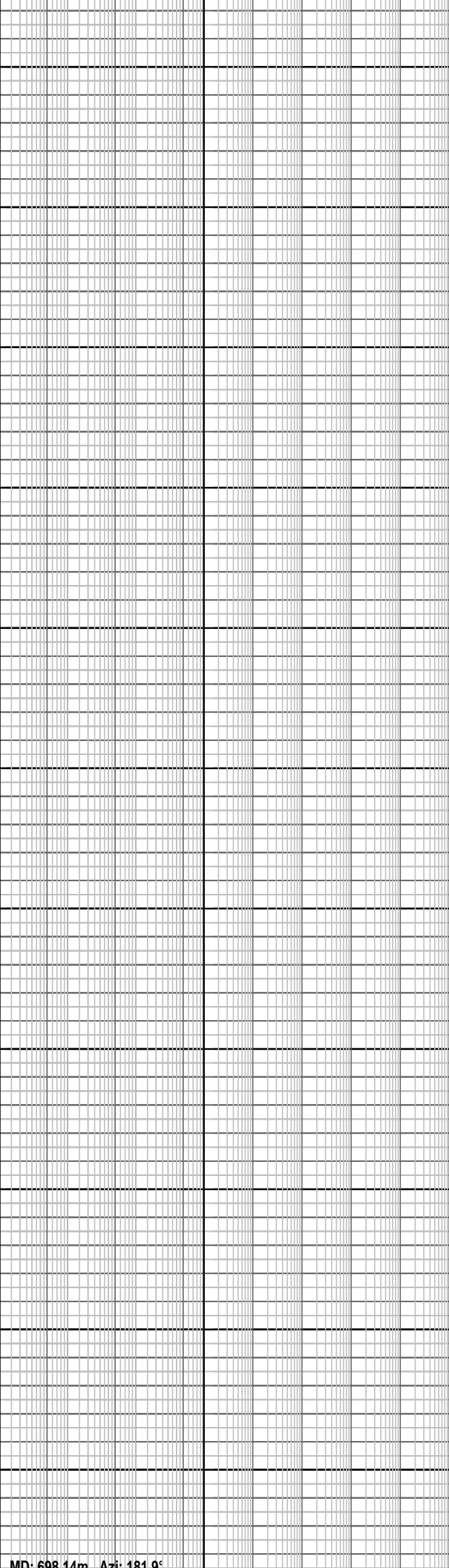
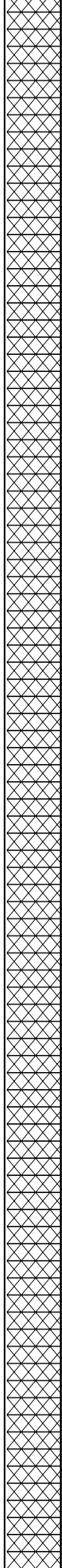
675

680

685

690

695



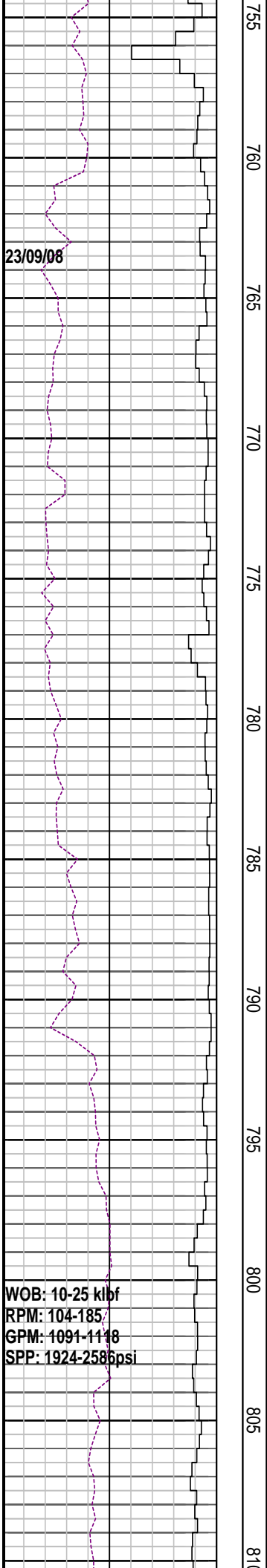
WOB: 15-25 kbf
RPM: 113-185
GPM: 1112-1228
SPP: 2226-2894 psi

700
705
710
715
720
725
730
735
740
745
750

MD: 698.14m Azi: 101.5°
TVD: 698.11m Incl: 0.30°

MD: 725.93m Azi: 188.82°
TVD: 725.90m Incl: 1.97°

Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



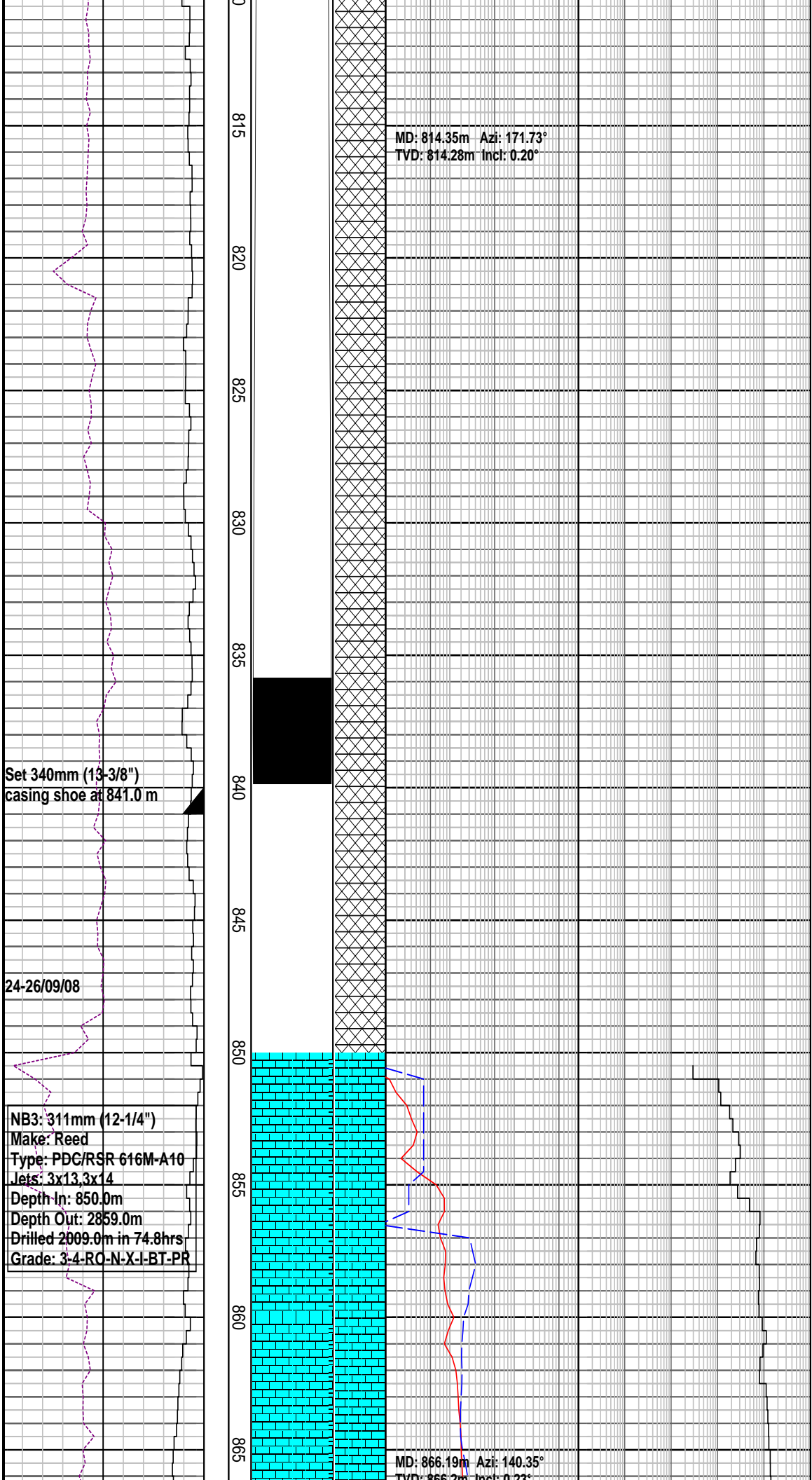
23/09/08

WOB: 10-25 klf
RPM: 104-185
GPM: 1091-1118
SPP: 1924-2586psi

MD: 755.72m Azi: 175.57°
TVD: 755.76m Incl: 2.82°

MD: 785.01m Azi: 168.12°
TVD: 784.94m Incl: 0.33°

Drill with seawater & Hi-Vis sweeps.
Returns to seabed 106.4m - 850.0m



MD: 814.35m Azi: 171.73°
 TVD: 814.28m Incl: 0.20°

Set 340mm (13-3/8") casing shoe at 841.0 m

24-26/09/08

NB3: 311mm (12-1/4")
 Make: Reed
 Type: PDC/RSR 616M-A10
 Jets: 3x13,3x14
 Depth In: 850.0m
 Depth Out: 2859.0m
 Drilled 2009.0m in 74.8hrs
 Grade: 3-4-RO-N-X-I-BT-PR

MD: 866.19m Azi: 140.35°
 TVD: 866.2m Incl: 0.22°

16" Hole Section TD 850.0m

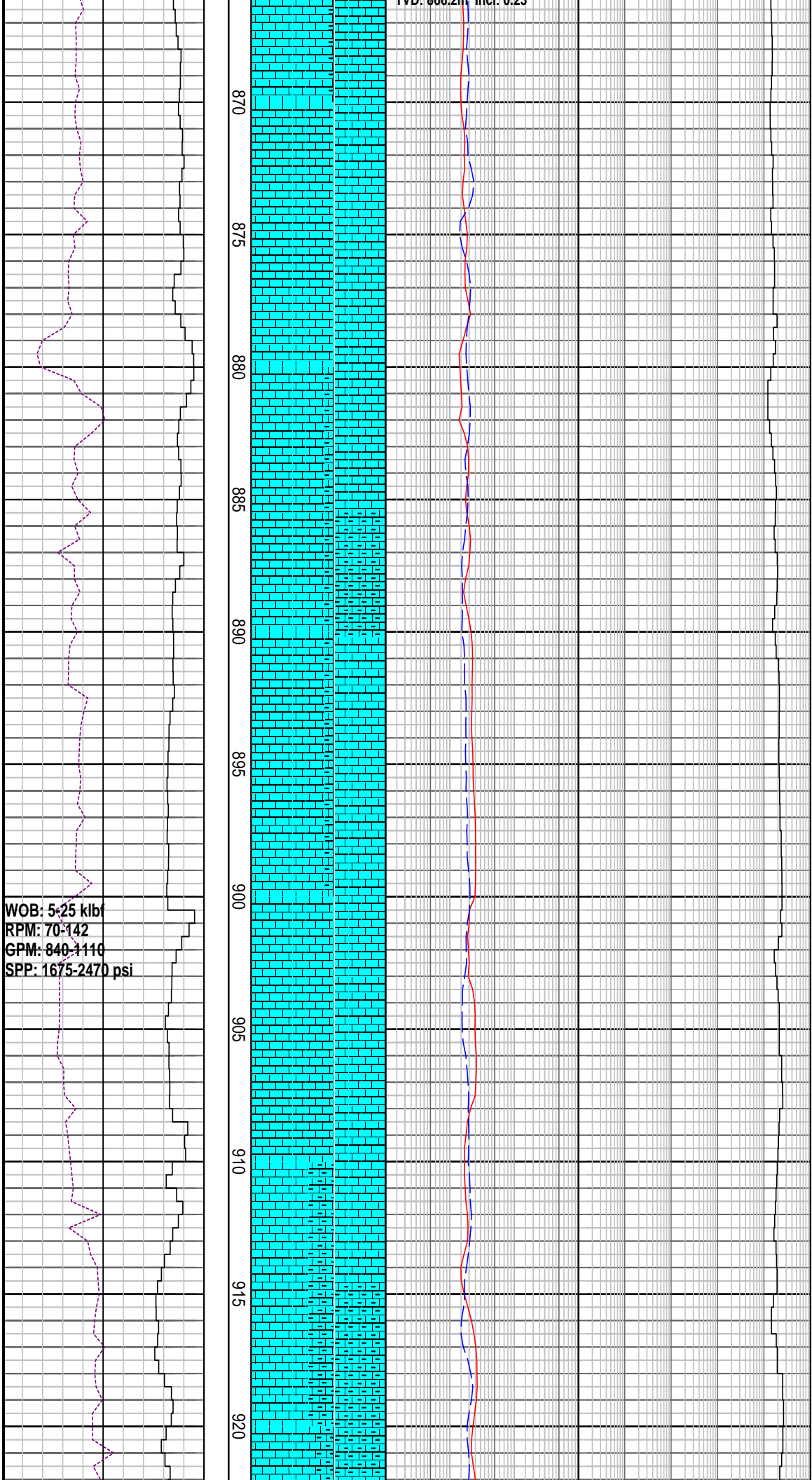
Drill with KCI/PHPA mud
 850.0m to Well TD

MW: 8.7 ppg FV: 153
 PV: 24 YP: 40
 Gels: 10/12/12 pH: 9.0

LOT @ 853.0m with 8.8 ppg
 EMW: 15.06 ppg @ 900 psi

CALCULITITE lt bl gy, mod sft, ang f
 gr slit par, wl srt, wk calc cmt, Ls md
 mtrx, p vis por

IVD: 800.211 Incl: 0.25



WOB: 5-25 klb
RPM: 70-142
GPM: 840-1110
SPP: 1675-2470 psi

CALCARENITE: yel gy-lt olv gy, sbrndd blk, mod hd, f gr, trnsl sb ang cal

CALCULITITE: lt bl gy, mod sft, ang f gr slt par, wl srt, wk calc cmt, Ls md mtrx, p vis por

CALCARENITE: yel gy-lt olv gy, sbrndd-blky, mod hd, f gr, trnsl sb ang

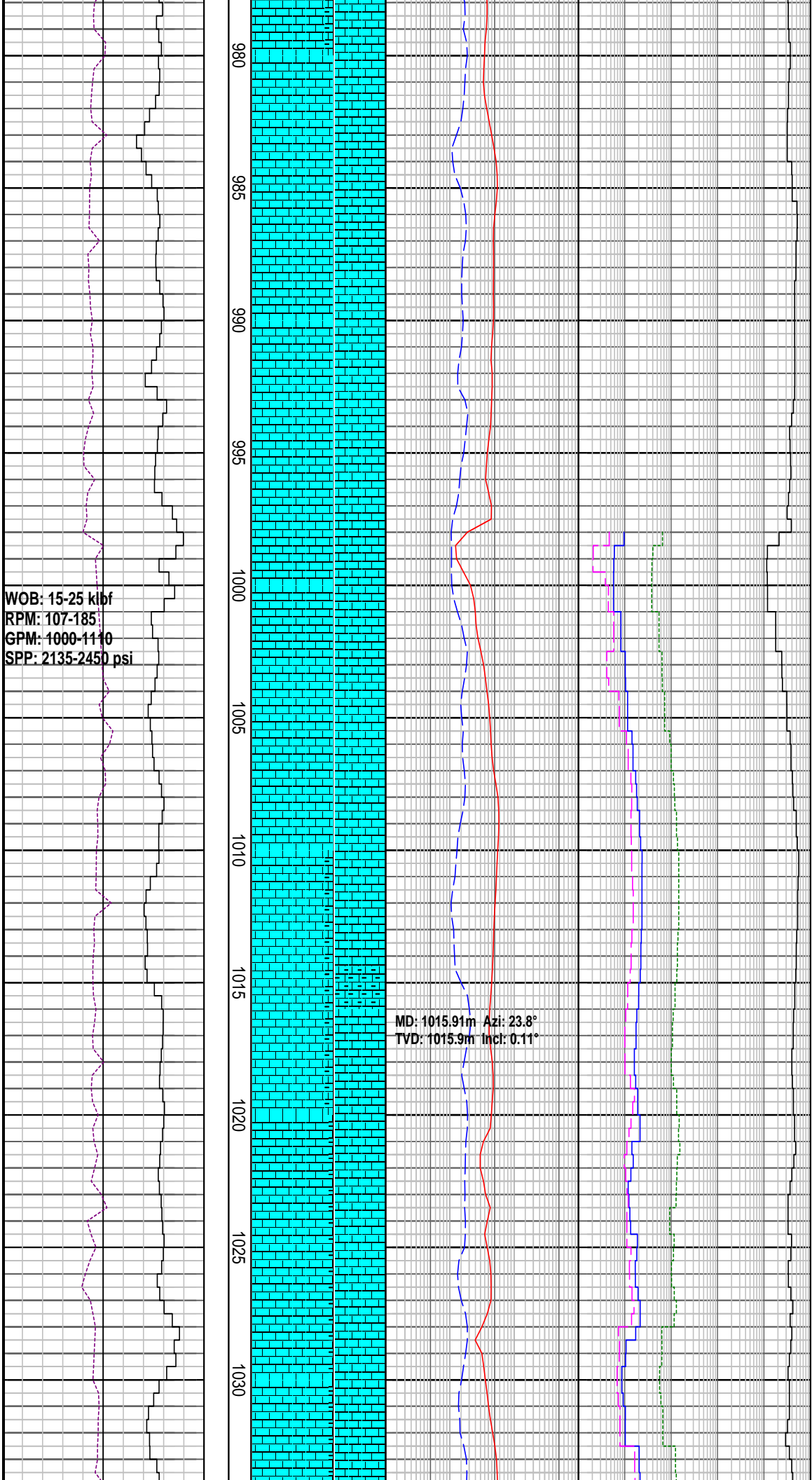
925
930
935
940
945
950
955
960
965
970
975

MD: 926.91m Azi: 152.99°
TVD: 926.9m Incl: 0.14°

CALCULITITE lt bl gy, mod sft, ang f
gr slt par, wl srt, wk calc cmt, Ls md
mtrx, p vis por

CALCULITITE lt bl gy, mod sft, ang f
gr slt par, wl srt, wk calc cmt, Ls md
mtrx, p vis por

CALCULITITE lt bl gy, mod sft, ang f
gr slt par, wl srt, wk calc cmt, Ls md
mtrx, p vis por



WOB: 15-25 klbf
 RPM: 107-185
 GPM: 1000-1110
 SPP: 2135-2450 psi

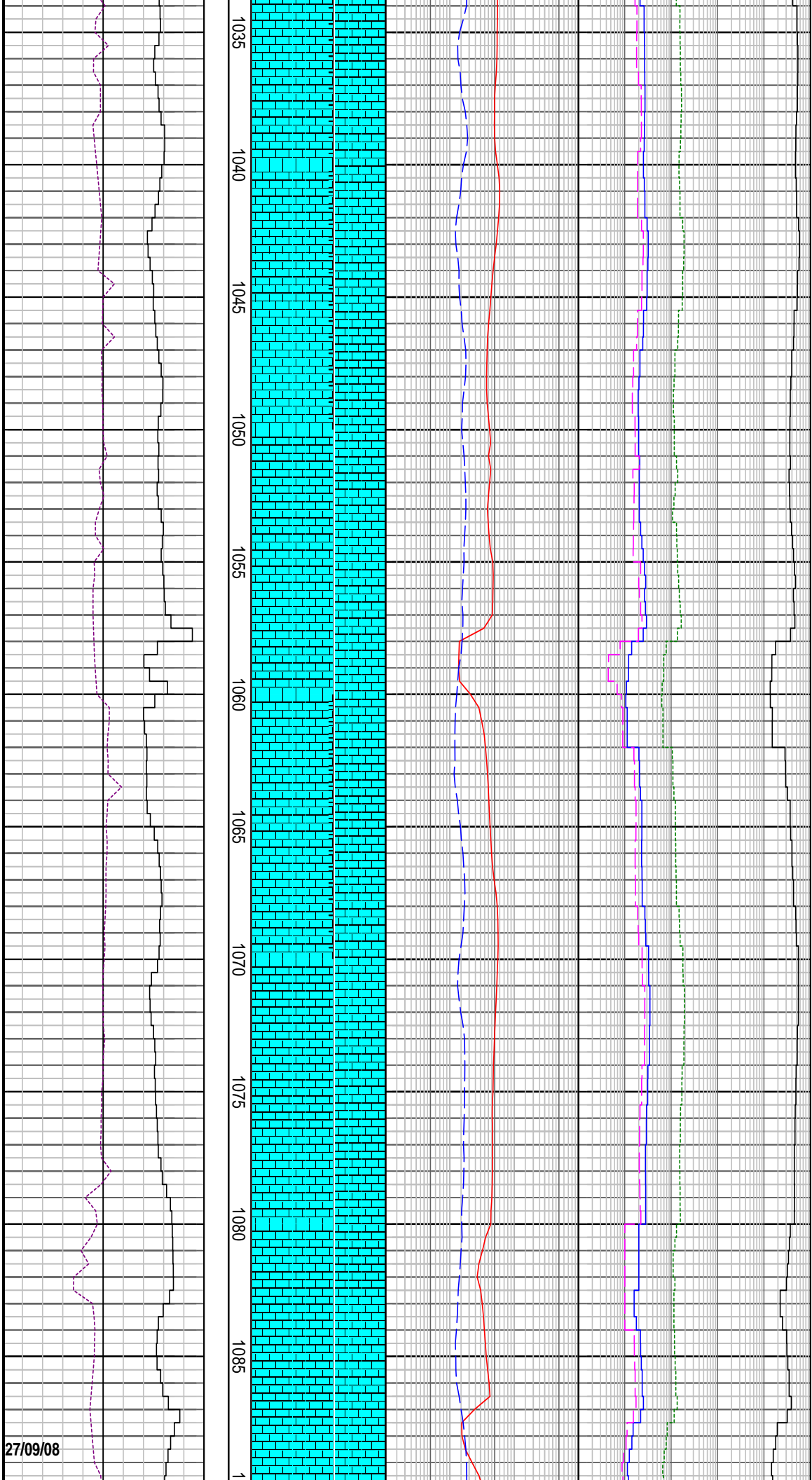
MD: 1015.91m Azi: 23.8°
 TVD: 1015.9m Incl: 0.11°

CALCARENITE : yel gy-lt olv gy,
 sbrndd-blky, mod hd, f gr, trnsl sb
 ang calc, calc cmt

CALCULITITE lt bl gy, mod sft, ang f
 gr slt par, wl srt, wk calc cmt, Ls md
 mtrx, p vis por

MW: 8.8 ppg	FV: 70
PV: 16	YP: 36
Gels: 13/20/23	pH: 8.5

CALCARENITE : yel gy-lt olv gy,
 sbrndd-blky, mod hd, f gr, trnsl sb
 ang



CALCULITITE lt bl gy, mod sft, ang f
gr slit par, wl srt, wk calc cmt, Ls md
mtrx, p vis por

CALCULITITE lt bl gy, mod sft, ang f
gr slit par, wl srt, wk calc cmt, Ls md
mtrx, p vis por

CALCULITITE lt bl gy-olv gy, sft-mod
sft, blk, ang f gr slit par, calc cmt,
com calc slit, lam slty

WOB: 20-25 kbf
RPM: 131-148
GPM: 1060-1110
SPP: 2360-2485 psi

990
1095
1100
1105
1110
1115
1120
1125
1130
1135
1140
1148

MD: 1104.27m Azi: 50.17°
TVD: 1104.2m Incl: 0.09°

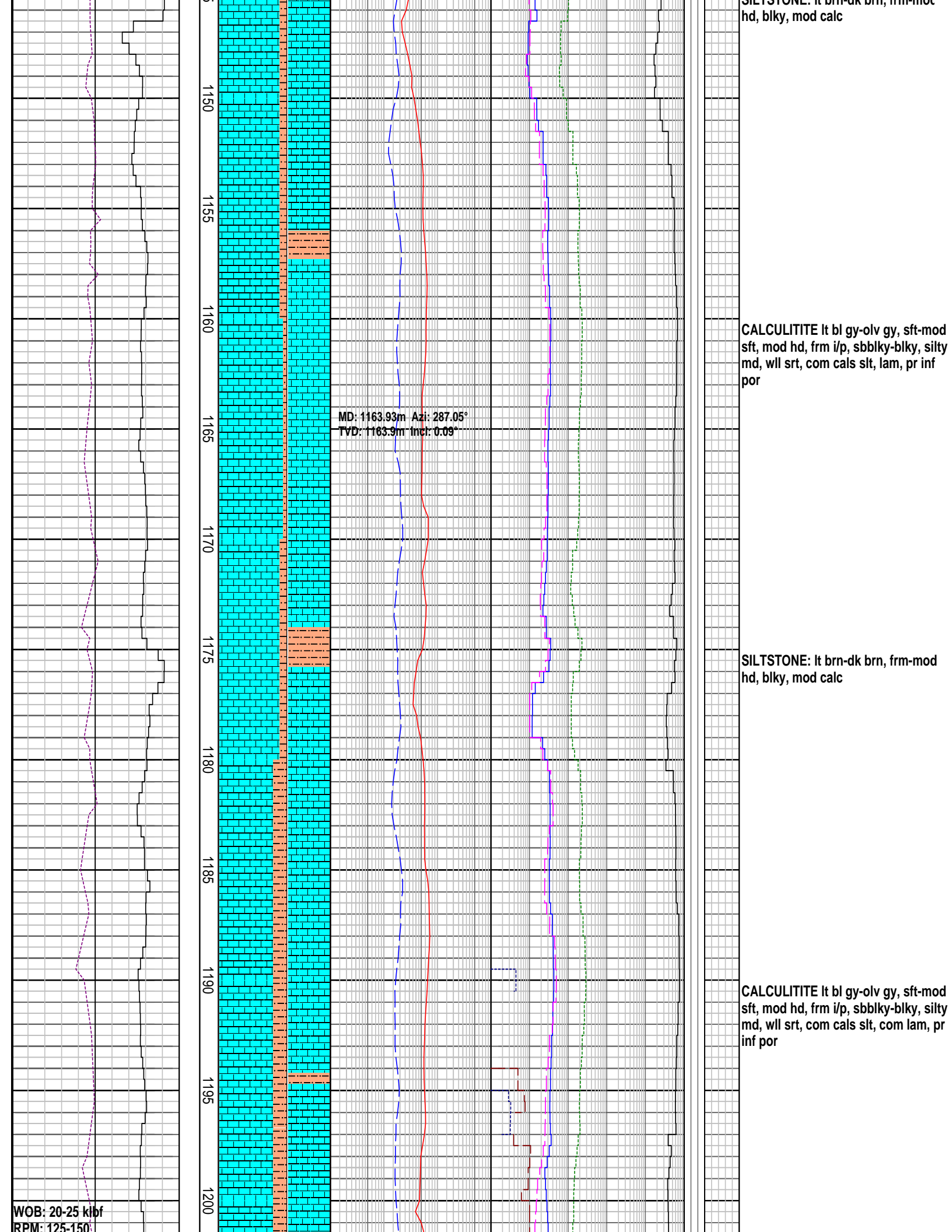
MD: 1134.08m Azi: 324.64°
TVD: 1134.1m Incl: 0.13°

CALCARENITE : lt olv gy-m gy,
sbrndd-blky, mod hd, f gr, mod srt,
trnsi sb ang

CALCULITITE lt bl gy-olv gy, sft-mod
sft, mod hd, frm i/p, sbbky-blky, silty
md, wll srt, com calc slt, lam, pr inf
por

CALCULITITE lt bl gy-olv gy, sft-mod
sft, mod hd, frm i/p, sbbky-blky, silty
md, wll srt, com calc slt, lam, pr inf
por, tr SLTST

SILTSTONE: lt brn-dk brn, frm-moc



SILTSTONE: lt brn-dk brn, frm-mod
hd, blkly, mod calc

CALCULITITE lt bl gy-olv gy, sft-mod
sft, mod hd, frm i/p, sbblky-blky, silty
md, wll srt, com calcs slt, lam, pr inf
por

MD: 1163.93m Azi: 287.05°
TVD: 1163.9m Incl: 0.09°

SILTSTONE: lt brn-dk brn, frm-mod
hd, blkly, mod calc

CALCULITITE lt bl gy-olv gy, sft-mod
sft, mod hd, frm i/p, sbblky-blky, silty
md, wll srt, com calcs slt, com lam, pr
inf por

WOB: 20-25 klbf
RPM: 125-150

GPM: 1103-1110
SPP: 2435-2508 psi

1205
1210
1215
1220
1225
1230
1235
1240
1245
1250
1255

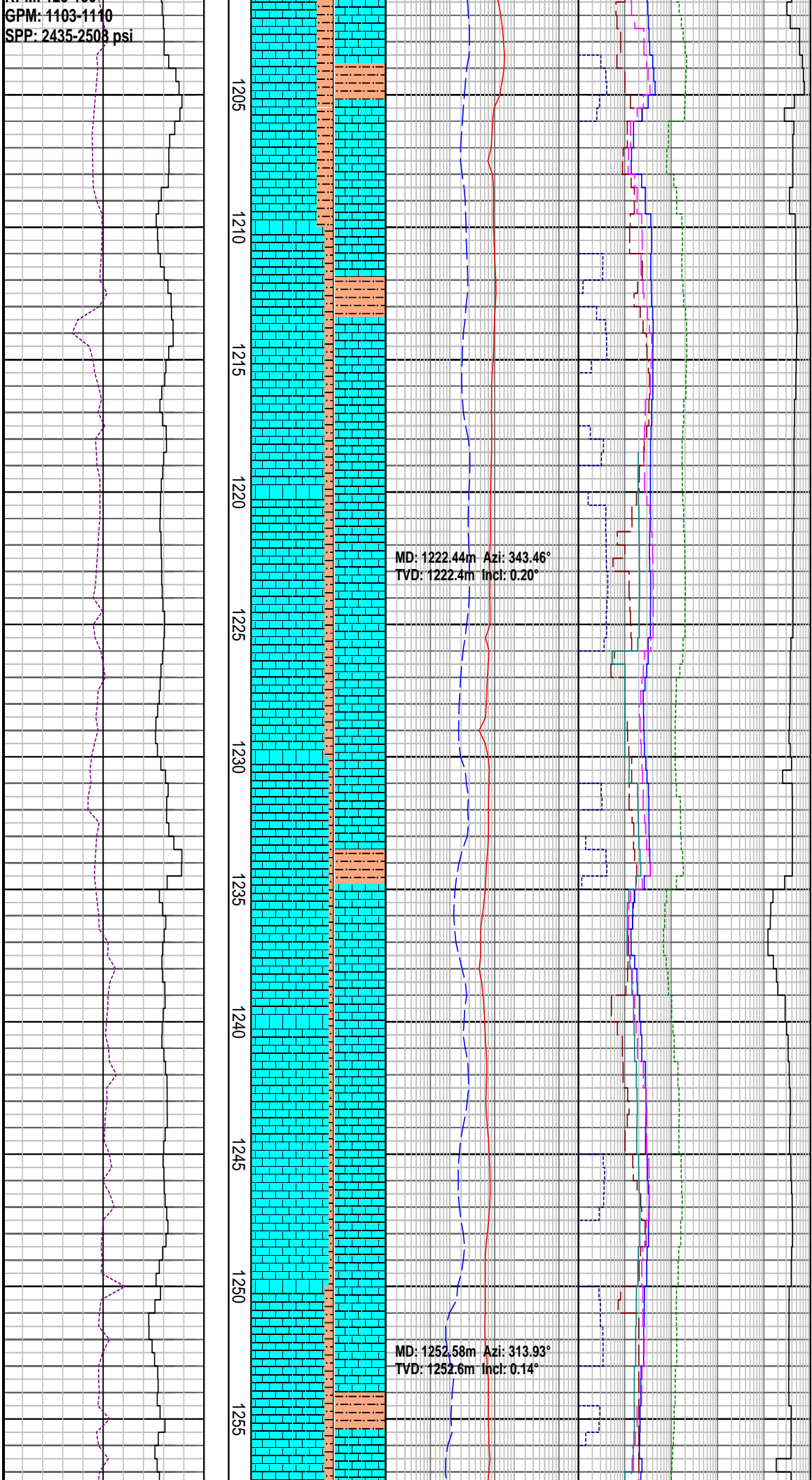
MD: 1222.44m Azi: 343.46°
TVD: 1222.4m Incl: 0.20°

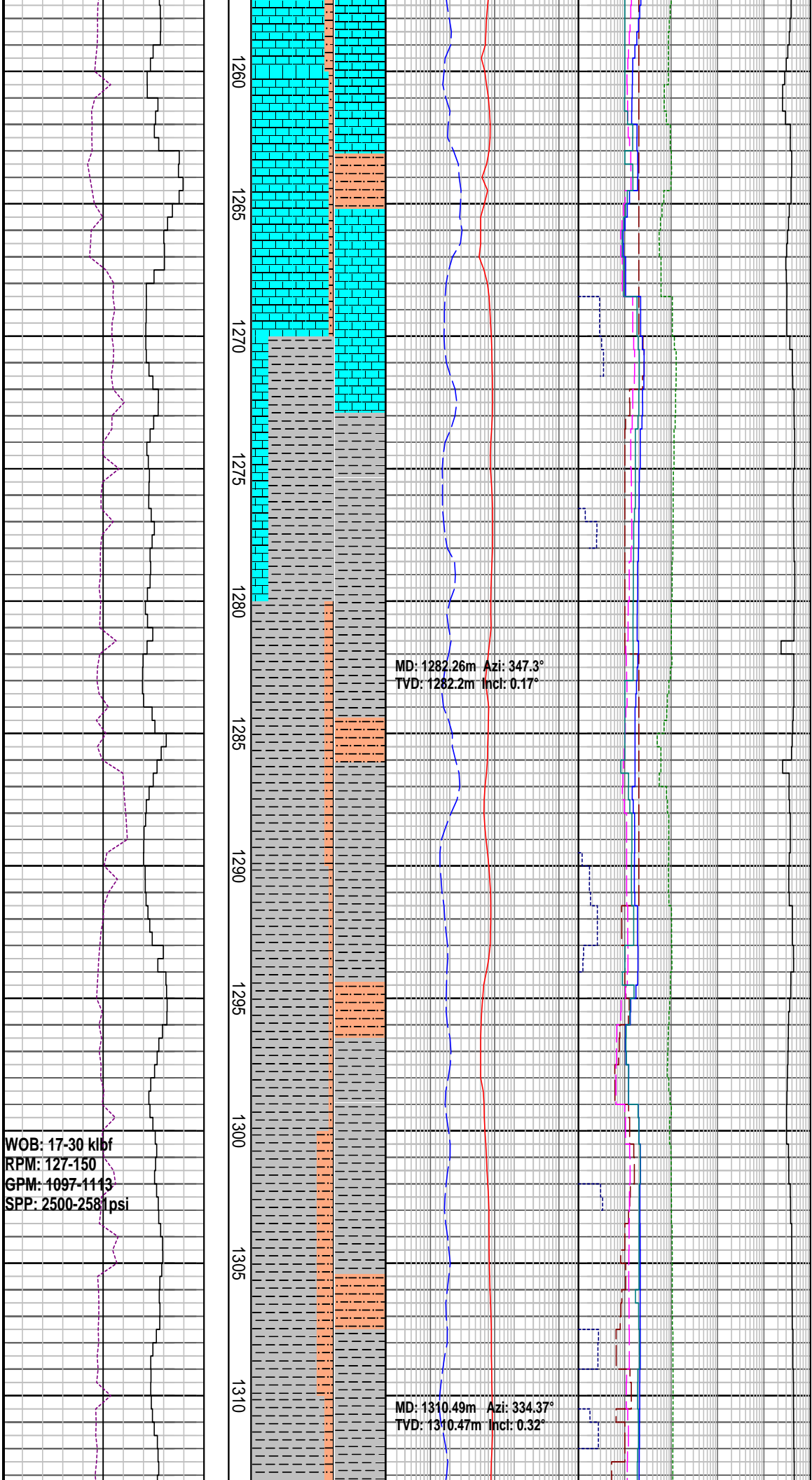
MD: 1252.58m Azi: 313.93°
TVD: 1252.6m Incl: 0.14°

SILTSTONE: lt brn-dk brn, frm-mod hd, blk, mod calc

CALCULITITE lt bl gy-olv gy, sft-mod sft, mod hd, frm i/p, sbblky-blky, silty md, wll srt, com calcs slt, comm lam, pr inf por

CALCULITITE: lt gy-med gy, lt bl gy-olv gy, sft-mod sft, amorp, frm i/p, sbblky-blky, disp i/p, silty md, wll srt, com lam, pr inf por



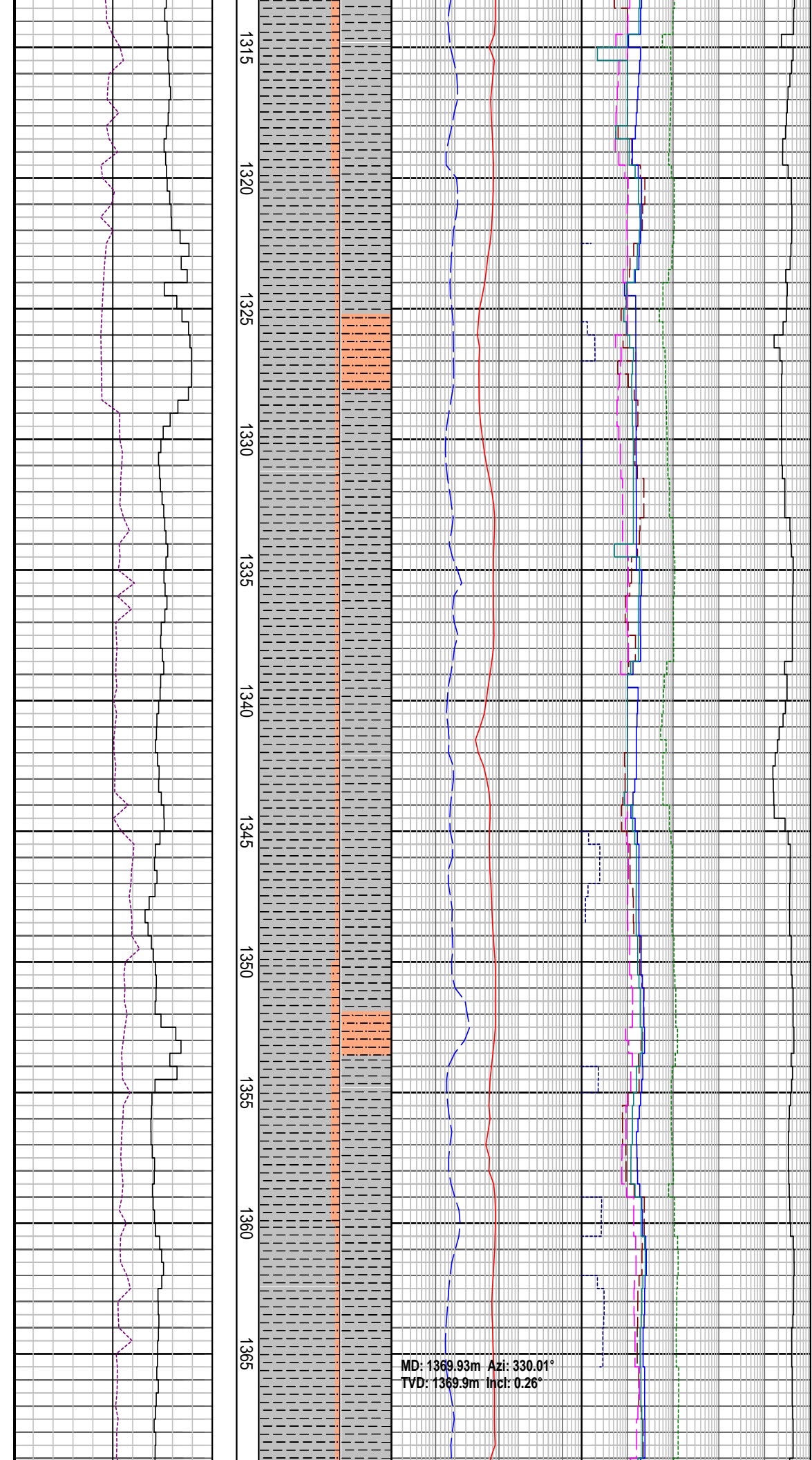


SILTSTONE: m gy-grnsh gy, frm-hd, blk, arg mod calc, tr dk gr-blk vf-med sbrndd glau

CALCAREOUS CLAYSTONE: dk gy-dk olv gy, sft-mod frm, sbbkly-blky, sli slty, mod-hi calc, tr mic flks

SILTSTONE: m gy-grnsh gy, frm-hd, blk, arg mod calc

CALCAREOUS CLAYSTONE: dk gy-dk olv gy, sft-mod frm, sbbkly-blky, sli slty, mod-hi calc, tr mic flks, grdg to Clct

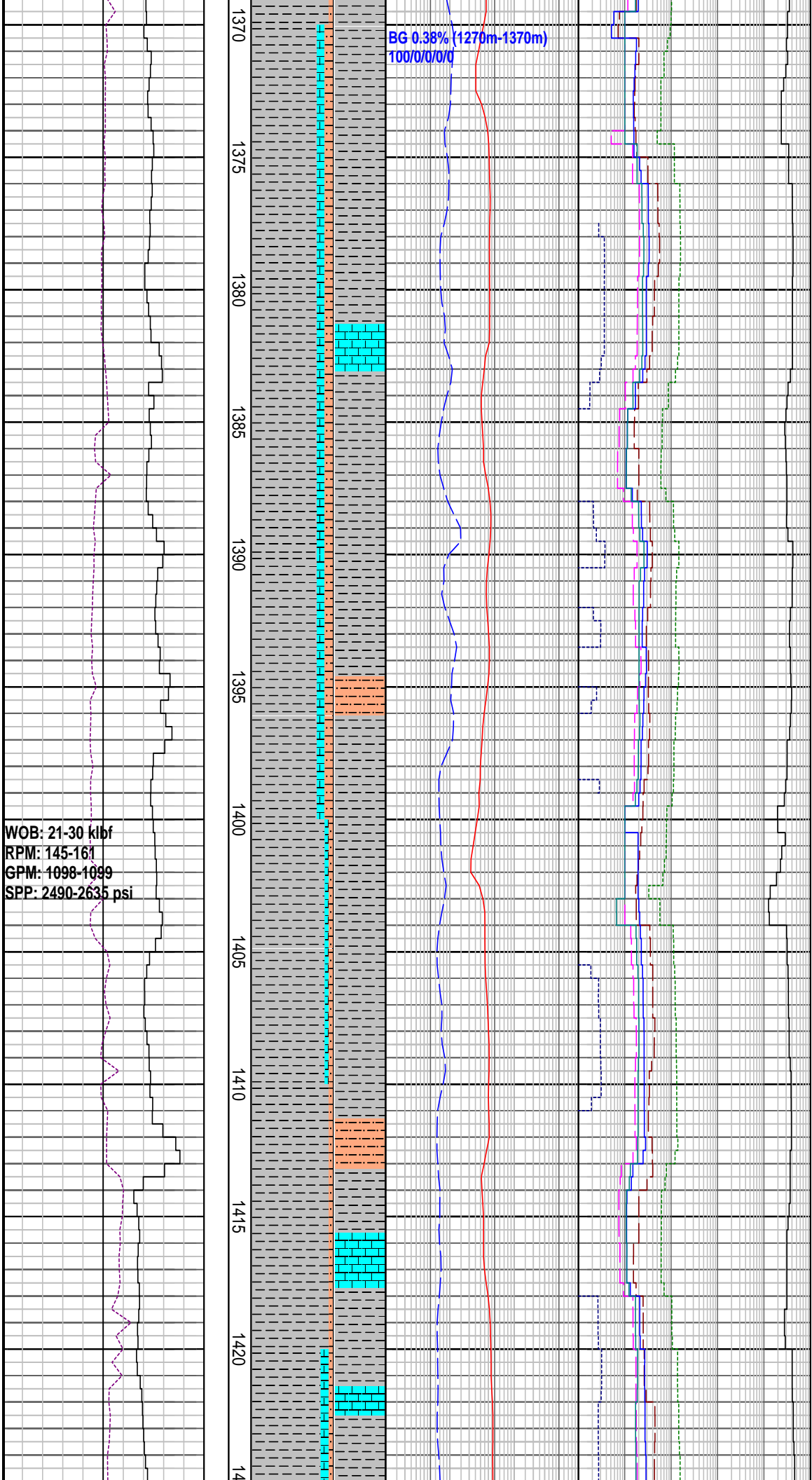


CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbblky-blky, sli
silty, mod-hi calc, tr mic flks, grdg to
Clcit

SILTSTONE: m gy-gn gy, frm-hd, blky,
arg mod calc

CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbblky-blky, sli
silty, mod-hi calc, tr mic flks, grdg to
Clcit

MD: 1369.93m Azi: 330.01°
TVD: 1369.9m Incl: 0.26°



BG 0.38% (1270m-1370m)
100/0/0/0

WOB: 21-30 klbf
RPM: 145-161
GPM: 1098-1099
SPP: 2490-2635 psi

LIMESTONE: clr hd xln cal wh-gy sft
amor LS

CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbbkly-blky, sli
silty, mod-hi calc, tr mic flks, grdg to
Clct

LIME STONE : dk gy, mod hd Ls, tr sh
frag

1370
1375
1380
1385
1390
1395
1400
1405
1410
1415
1420
14

1425
1430
1435
1440
1445
1450
1455
1460
1465
1470
1475
1480

MD: 1429.33m Azi: 320.61°
TVD: 1429.3m Incl: 0.41°

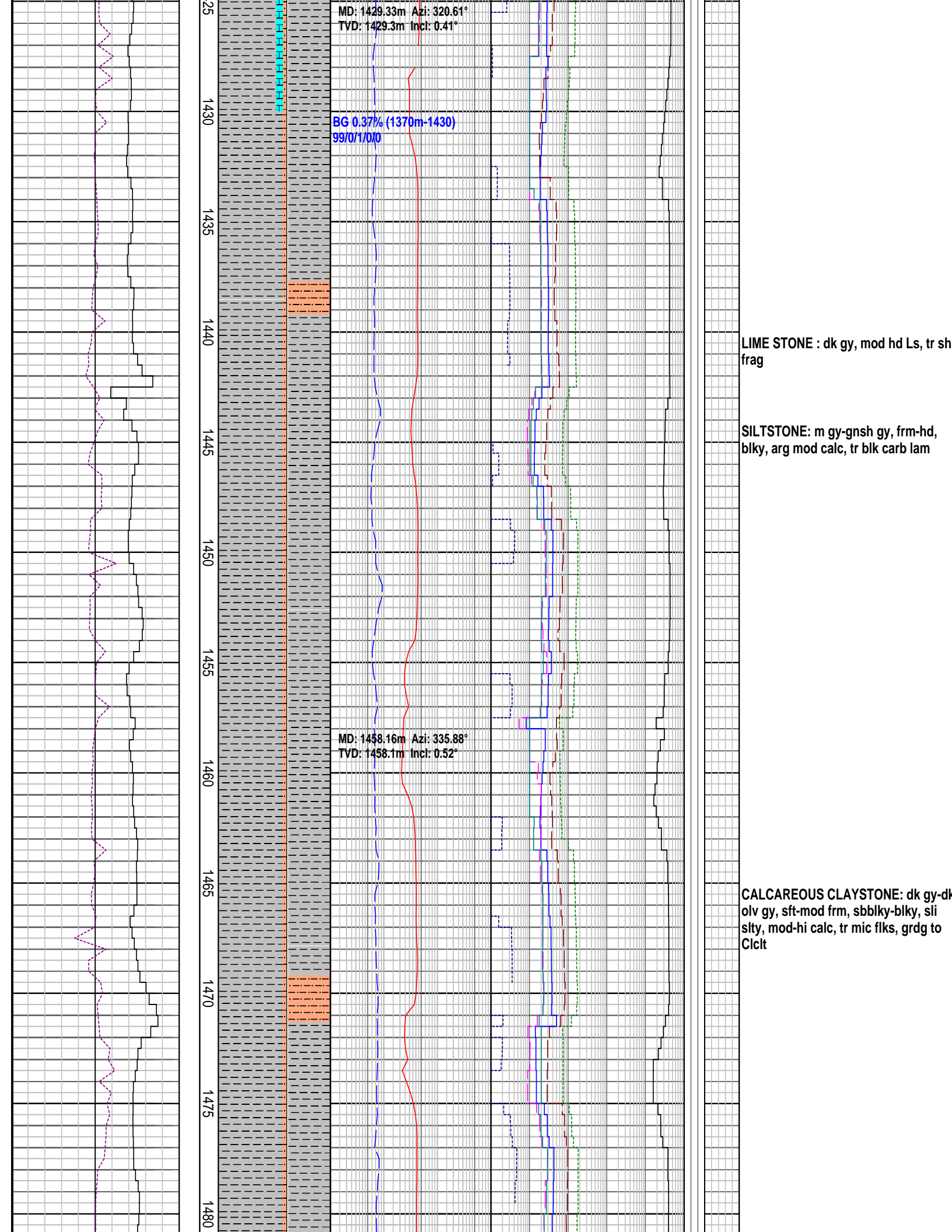
BG 0.37% (1370m-1430)
99/01/0/0

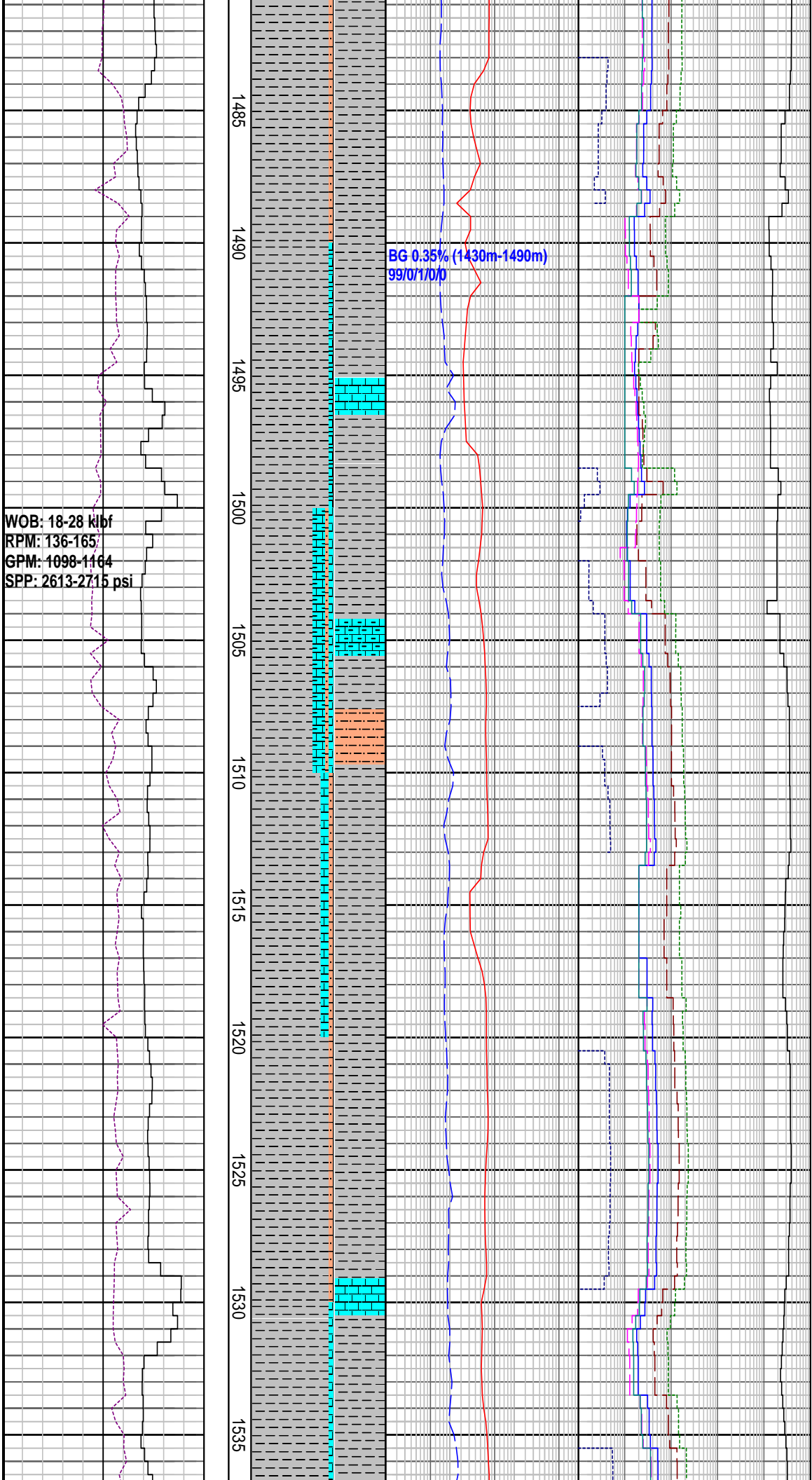
MD: 1458.16m Azi: 335.88°
TVD: 1458.1m Incl: 0.52°

LIME STONE : dk gy, mod hd Ls, tr sh
frag

SILTSTONE: m gy-gnsh gy, frm-hd,
blky, arg mod calc, tr blk carb lam

CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbbky-blky, sli
sly, mod-hi calc, tr mic flks, grd to
Clcit





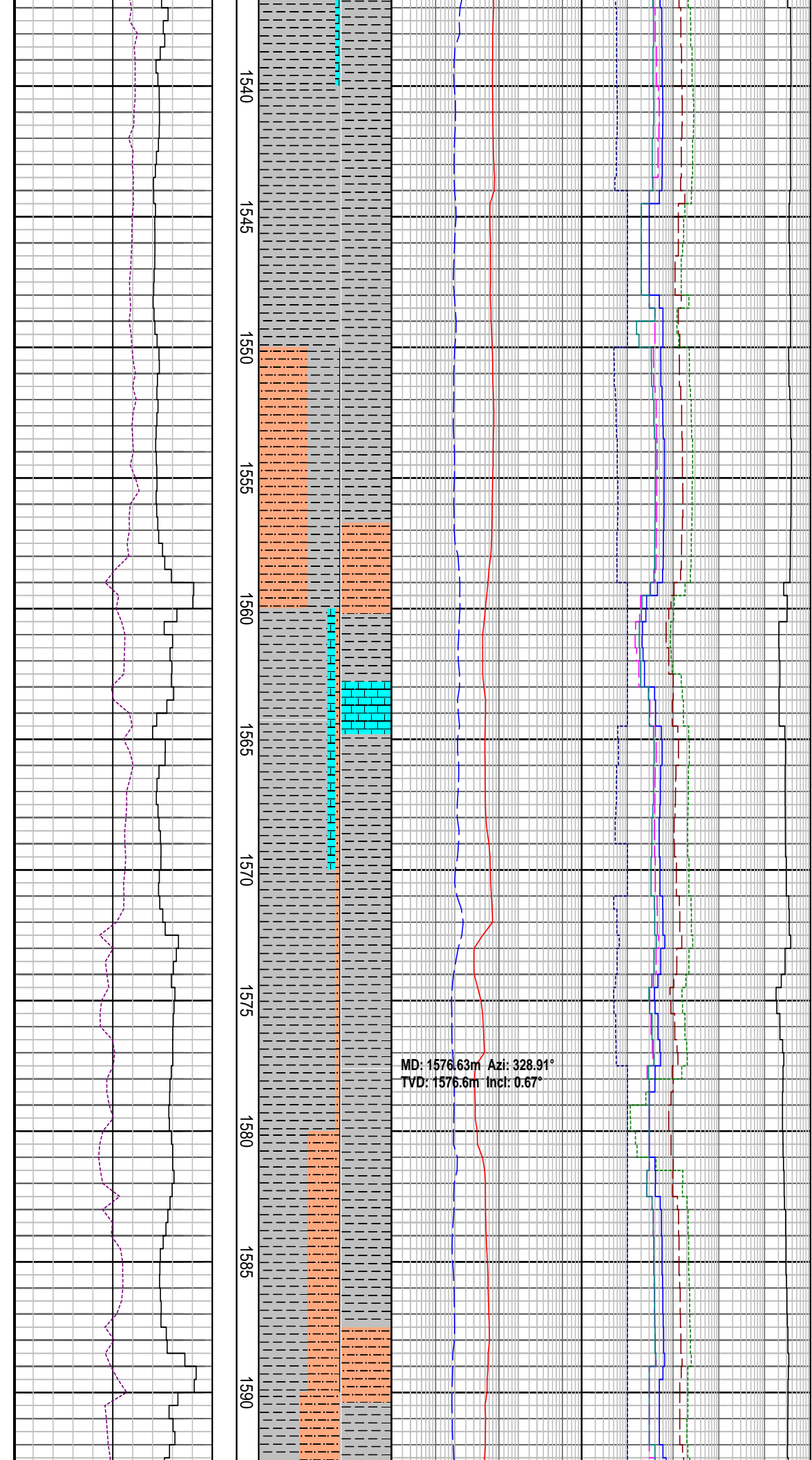
WOB: 18-28 klbf
RPM: 136-165
GPM: 1098-1164
SPP: 2613-2715 psi

BG 0.35% (1430m-1490m)
9970/1700

CALCARENITE : yel gy-lt olv gy,
sbrndd-blky, mod hd, f gr, trnsl sb
ang

LIME STONE : dk gy, mod hd Ls, tr sh
frag

LIME STONE : gy yel, mod hd Ls, xln
calc mnr wh sft amor Ls, tr shl frag



1540
1545
1550
1555
1560
1565
1570
1575
1580
1585
1590

CALCAREOUS CLAYSTONE: dk gy-dk olv gy, sft-mod frm, sbbly-blky, sli slty, mod-hi calc, tr mic flks, grdg to Clcit

SILTSTONE: m gy-gnsh gy, frm-hd, blky, arg mod calc, tr blk carb lam

MW: 9.0 ppg	FV: 53
PV: 19	YP:32
Gels: 14/24/29	pH: 8.5

MD: 1576.63m Azi: 328.91°
TVD: 1576.6m Incl: 0.67°

SILTSTONE: m gy-gnsh gy, frm-hd, blky, arg mod calc, tr blk carb lam

WOB: 21-28 klbf
RPM: 78-177
GPM: 701-1115
SPP: 1501-2787 psi

1595
1600
1605
1610
1615
1620
1625
1630
1635
1640
1645

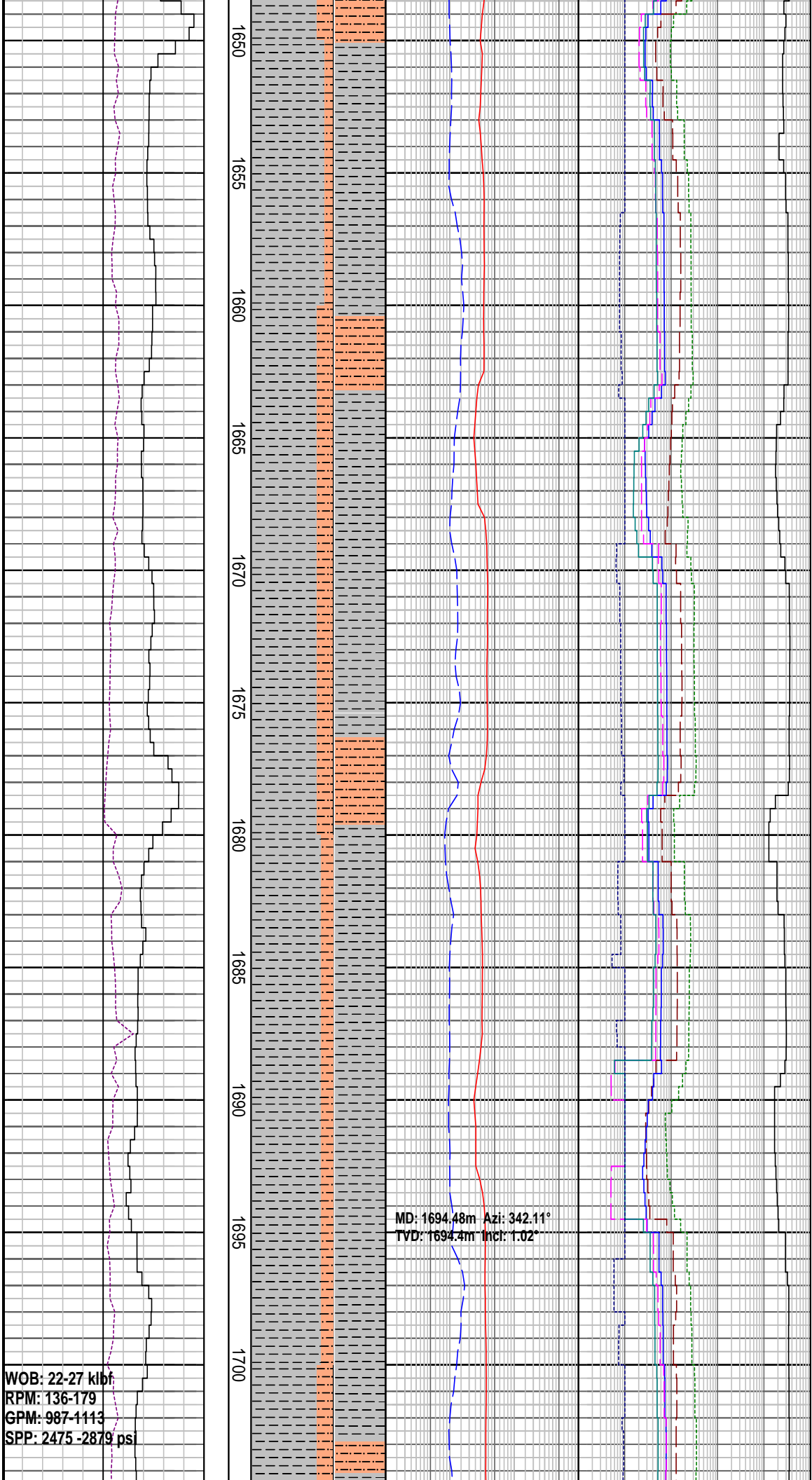
MD: 1635.30m Azi: 340.80°
TVD: 1635.3m Incl: 0.88°

CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbblky-blky, sli
silty, mod-hi calc, tr mic flks, grdg to
Clcit

SILTSTONE: m gy-gnsh gy, frm-hd,
blky, arg mod calc, tr blk carb lam

CALCARENITE : yel gy-lt olv gy,
sbrndd-blky, mod hd, f gr, trnsi sb
ang

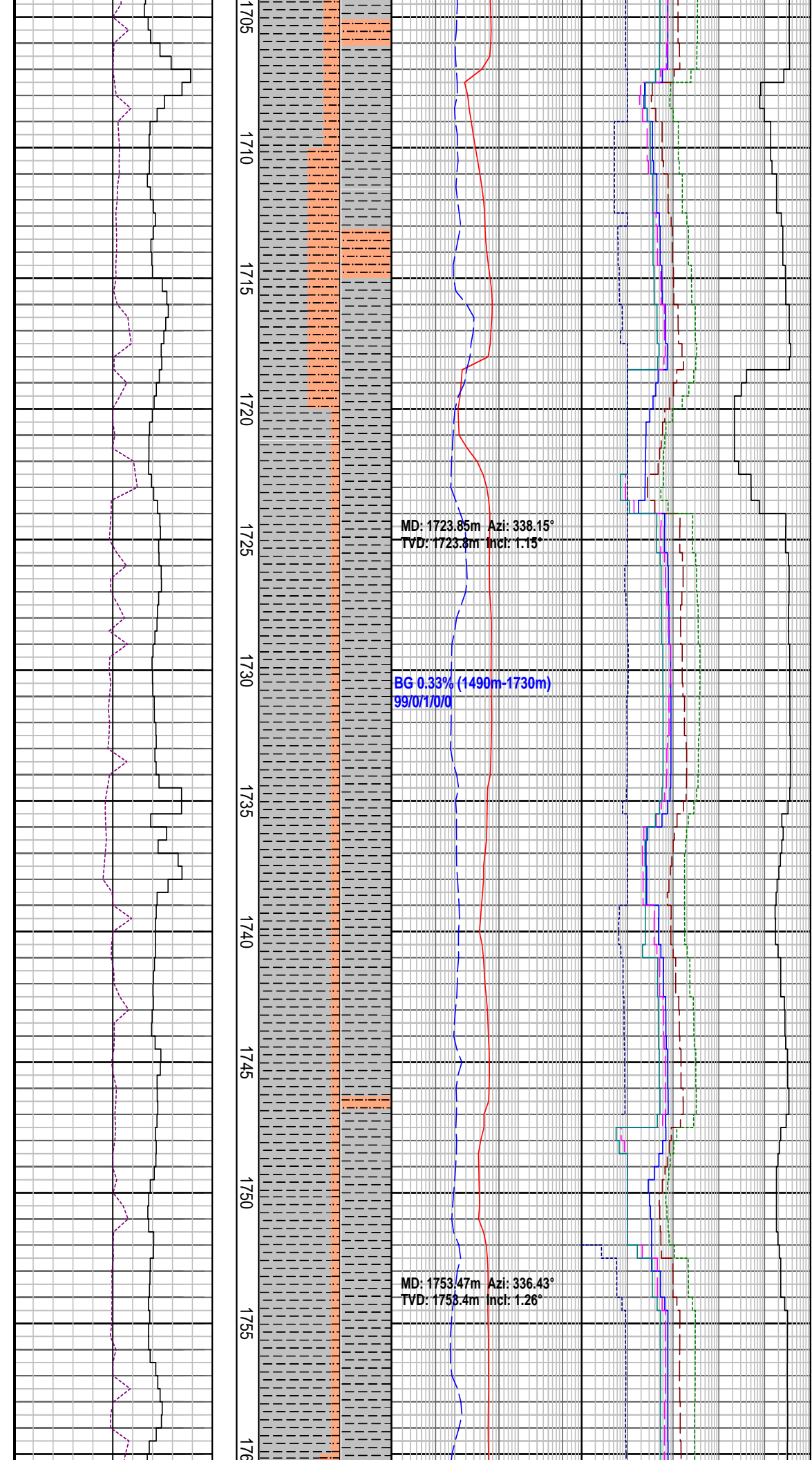
SILTSTONE: m gy-gnsh gy, frm-hd,
blky, arg mod calc, tr blk carb lam



CALCAREOUS CLAYSTONE: dk gy-dk
olv gy, sft-mod frm, sbblky-blky, sli
silty, mod-hi calc, tr mic flks, grdg to
ClcIt

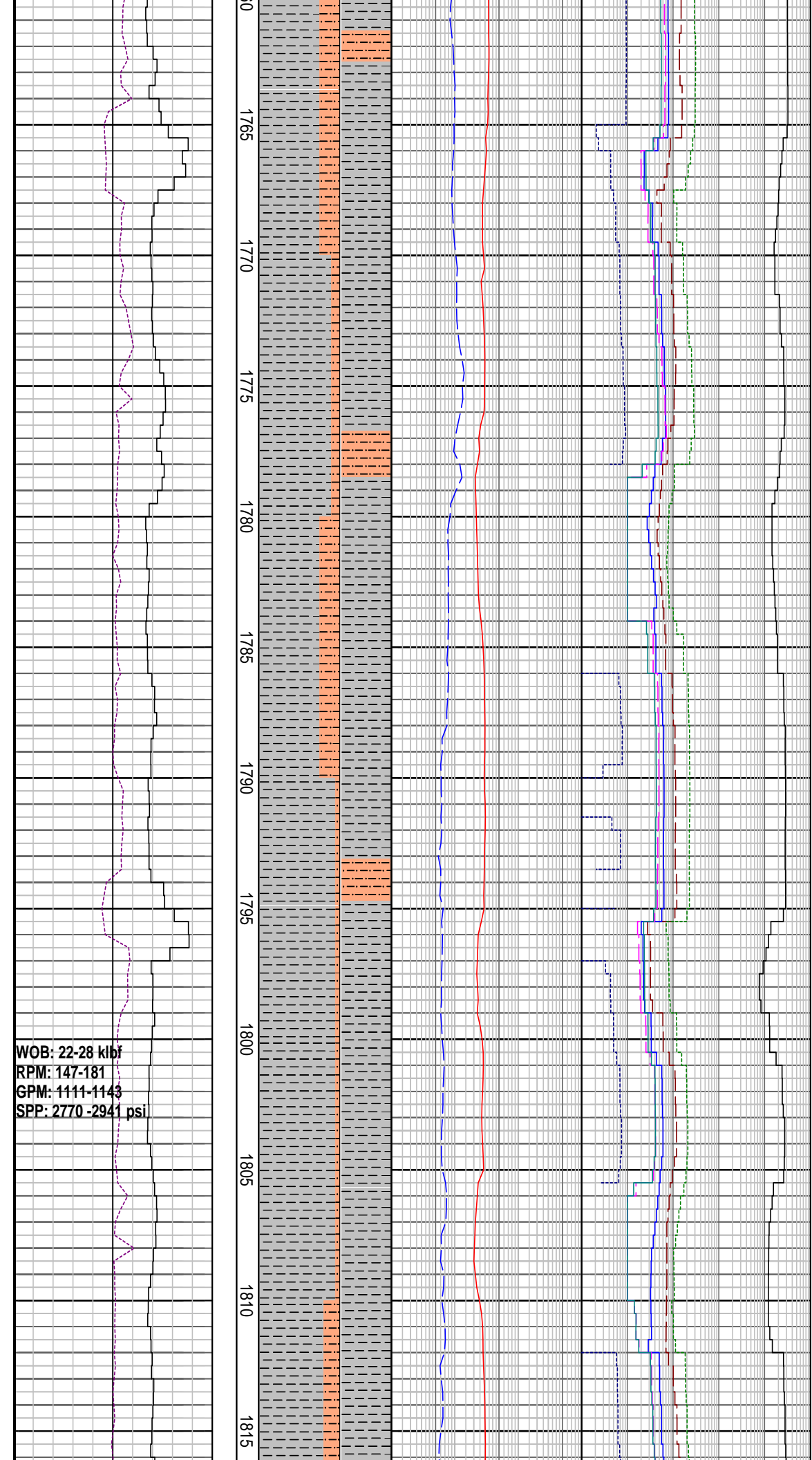
WOB: 22-27 kbf
RPM: 136-179
GPM: 987-1113
SPP: 2475 -2879 psi

MD: 1694.48m Azi: 342.11°
TVD: 1694.4m Incl: 1.02°



SILTSTONE: m gy-gnsh gy, frm-hd, blky, arg mod calc, tr blk carb lam

CALCAREOUS CLAYSTONE: m lt gy-m gy, sft-mod frm, sbbky-blky, sli slty, mod-hi calc, tr mic flks, com grdg to clclt



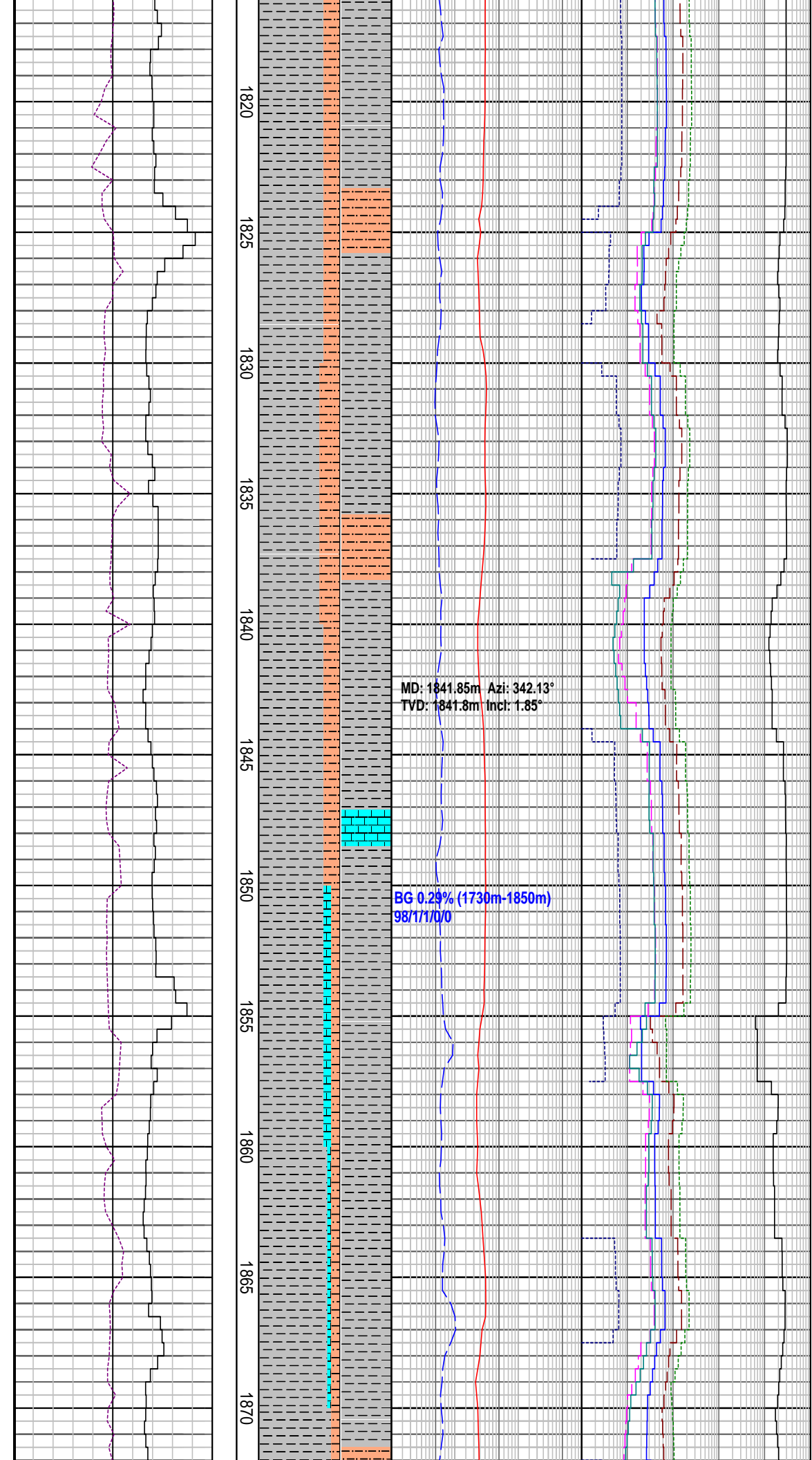
SILTSTONE: m gy-gnsh gy, frm-hd
 blk, arg mod calc, tr blk carb lam, tr
 pyr

SILTSTONE: m gy-gnsh gy, frm-hd,
 blk, arg mod calc, tr blk carb lam, tr
 pyr

CALCAREOUS CLAYSTONE: m lt
 gy-m gy, sft-mod frm, sbblk-bkly, sli
 slty, mod-hi calc, tr mic flks, com
 grdg to clclt

WOB: 22-28 kbf
 RPM: 147-181
 GPM: 1111-1143
 SPP: 2770-2941 psi

MW: 9.1 ppg	FV: 57
PV: 15	YP: 32
Gels: 13/22/26	pH: 8.5



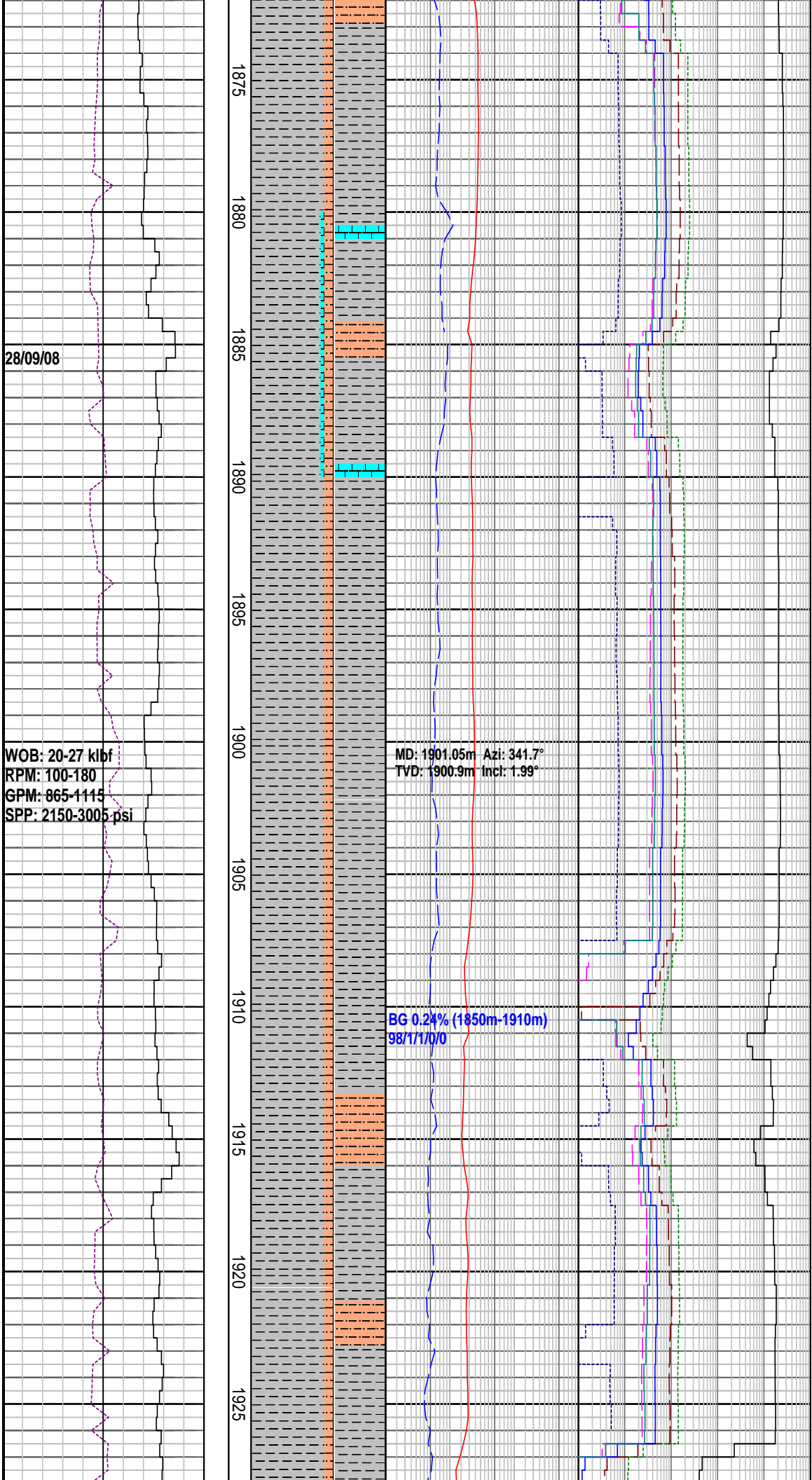
SILTSTONE: m gy-gnsh gy, frm-hd, blk, arg mod calc, tr blk carb lam

SILTSTONE: m gy-gnsh gy, frm-hd, blk, arg mod calc, tr blk carb lam

CALCARENITE: wh pl gy-gnsh gy, sbblky, sft-frm-amor hd, f gr, mod srt, opq sbang-sbrndd cak, tr com gr f-med gr glau, pr inf por

CALCAREOUS CLAYSTONE: m lt gy-m gy, mod frm, sbblky-blky, sli alk, tr carb flke, mod hi calc, com

Silty, tr carb flks, mod-hi calc, con
grdg to clct, tr foam



28/09/08

WOB: 20-27 kbf
RPM: 100-180
GPM: 865-1115
SPP: 2150-3005 psi

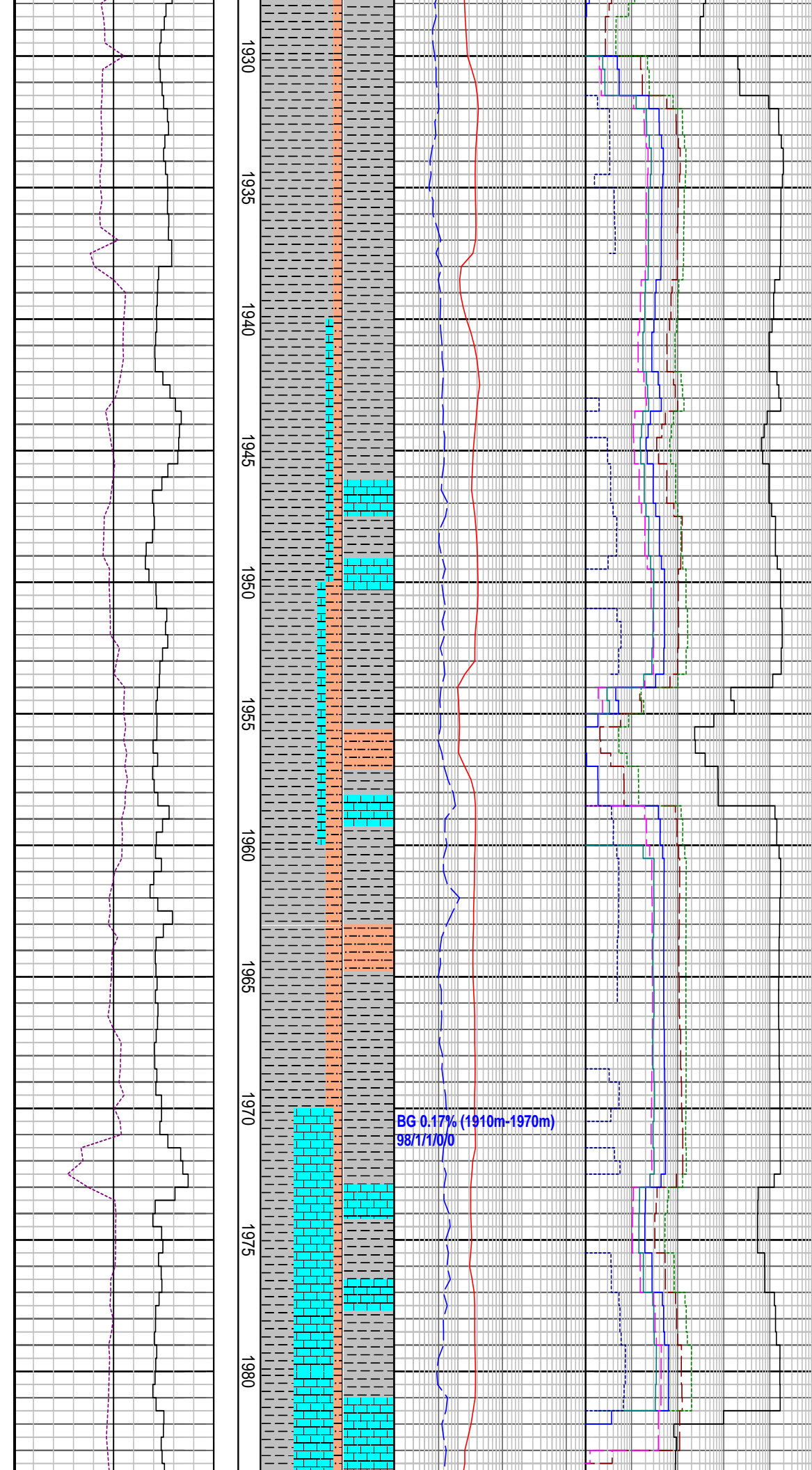
MD: 1901.05m Azi: 341.7°
TVD: 1900.9m Incl: 1.99°

BG 0.24% (1850m-1910m)
98/111/0/0

CALCARENITE: wh pl gy-gnsh gy, sbbiky, sft frm-amor hd, f gr, mod srt, opq sbang-sbrndd cak, tr com gr f-med gr glau, pr inf por

CALCAREOUS CLAYSTONE: med lt gy-brn gy, mod frm, sbbiky-blky, sli silty, tr mic flks, tr carb flks, mod-hi calc, grdg to clct, tr foam

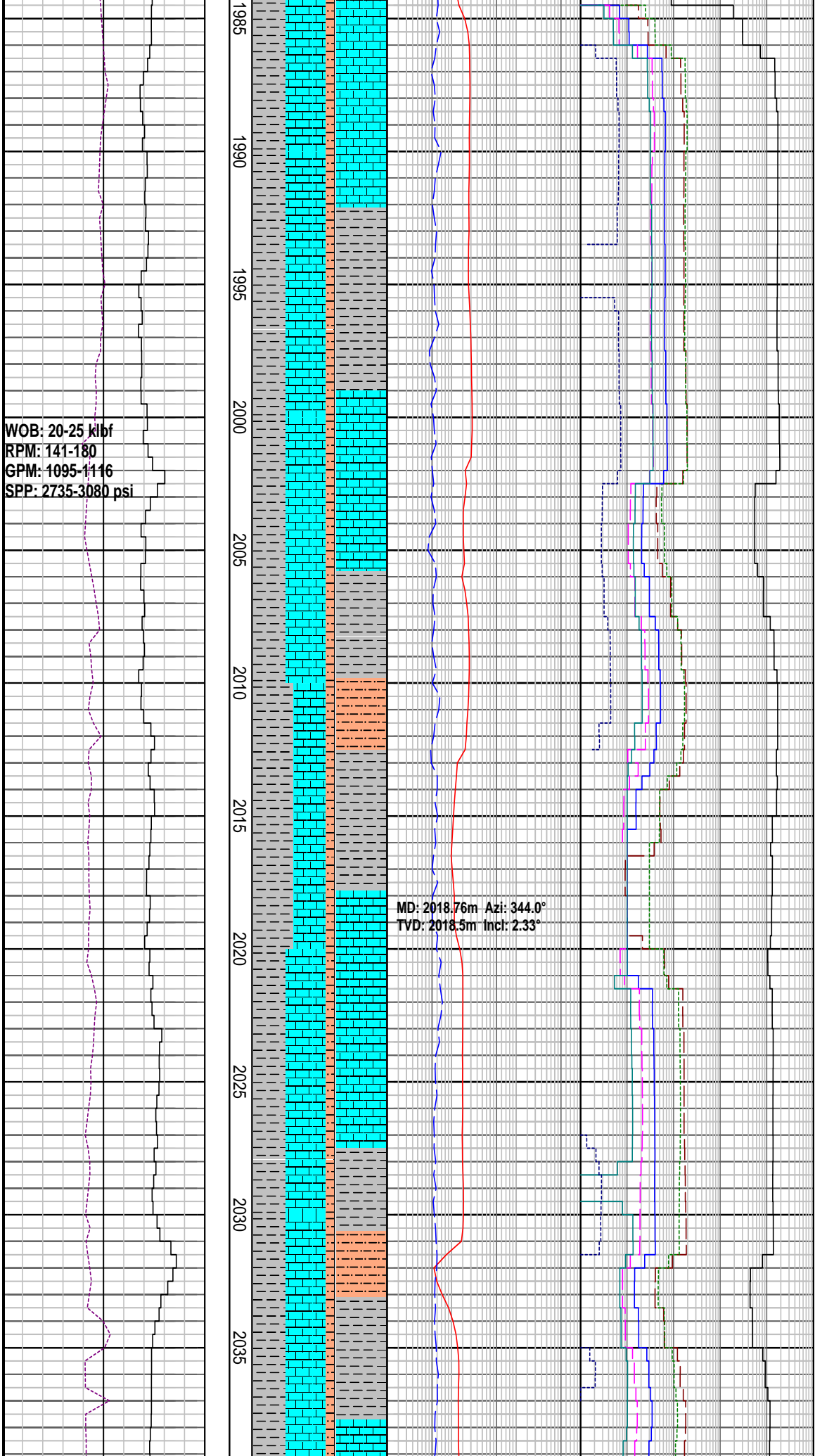
SILTSTONE: m gy-gnsh gy, frm-hd, blky, arg mod-hi calc, tr blk carb lam, tr pyr



CALCARENITE: lt olv-gy, gnsh gy, sbbkly agg, mod hd, v f gr, mod srt, semi trnsl-opq, sbang cal, cal cmt, pr inf por

SILTSTONE: m gy-grnsh gy, frm-hd, blkly arg, mod-hi calc, tr blk carb lam, tr pyr

CALCULITITE: lt olv gy-lt gy, sft-frm, sbbkly, com cal slit



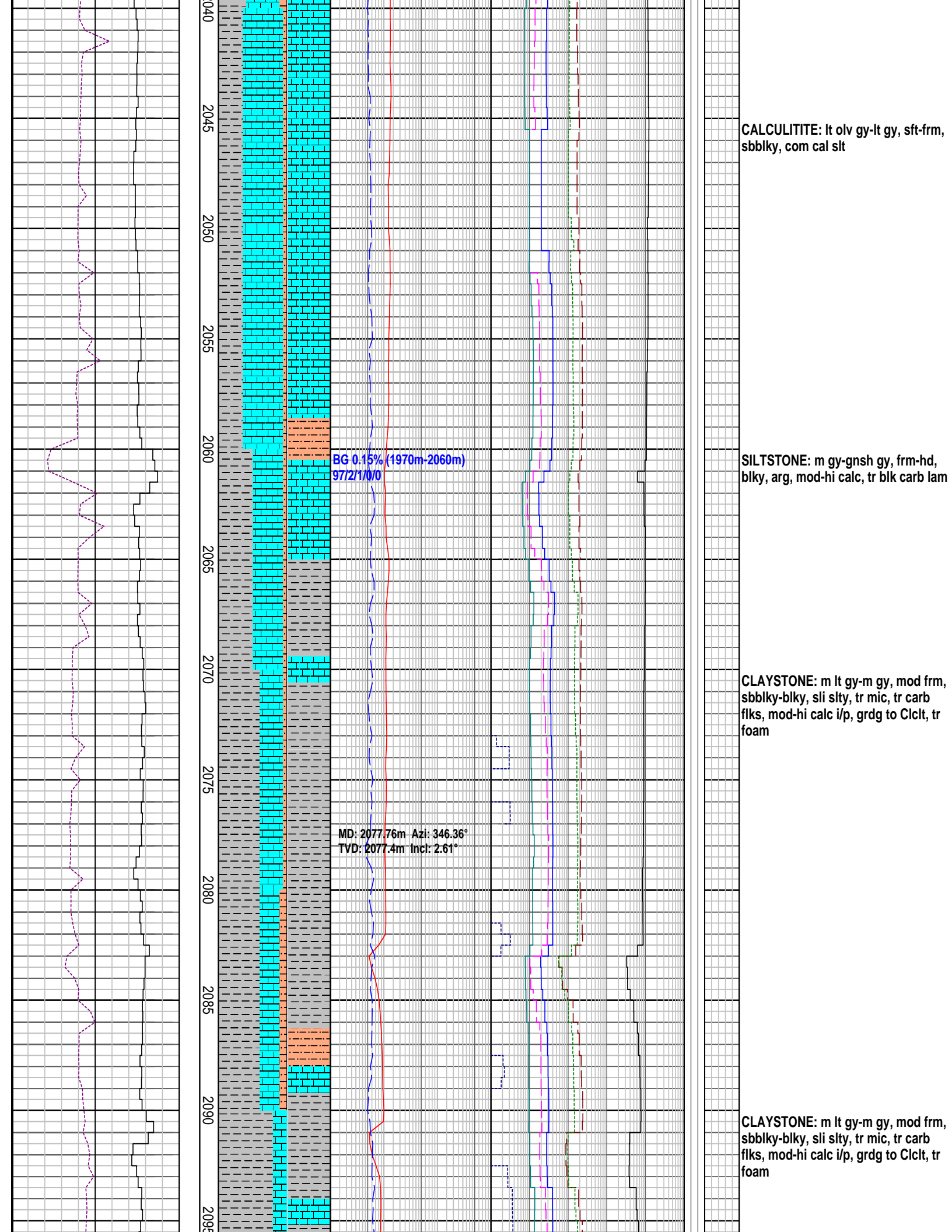
CLAYSTONE: m lt gy-m gy, mod frm, sbbkly-blky, tr mic, tr carb flks, mod-hi calc i/p, tr foam

MW: 9.3 ppg	FV: 55
PV: 16	YP:33
Gels: 13/26/29	pH: 8.5

CALCULITITE: lt olv gy-lt gy, sft-frm, sbbkly, com cal slit

SILTSTONE: m gy-gnsh gy, sft i/p, frm-hd, blkly, arg mod-hi calc, tr blk carb lam

CLAYSTONE : m lt gy-m gy, mod frm, sbbkly-blky, sli slit, tr mic flks, tr carb flks, mod-hi calc, tr blk carb lam



040
2045
2050
2055
2060
2065
2070
2075
2080
2085
2090
2095

CALCULITITE: lt olv gy-lt gy, sft frm, sbbkly, com cal slt

BG 0.15% (1970m-2060m)
97/2/1/0/0

SILTSTONE: m gy-gnsh gy, frm-hd, blkly, arg, mod-hi calc, tr blk carb lam

MD: 2077.76m Azi: 346.36°
TVD: 2077.4m Incl: 2.61°

CLAYSTONE: m lt gy-m gy, mod frm, sbbkly-blkly, sli slty, tr mic, tr carb flks, mod-hi calc i/p, grdg to Clclt, tr foam

CLAYSTONE: m lt gy-m gy, mod frm, sbbkly-blkly, sli slty, tr mic, tr carb flks, mod-hi calc i/p, grdg to Clclt, tr foam

WOB: 16-27 kbf
RPM: 145-180
GPM: 1110-1117
SPP: 3065-3167 psi

2100
2105
2110
2115
2120
2125
2130
2135
2140
2145
2150

BG 0.10% (2060m-2100m)
95/2/2/1/0

MD: 2104.62m Azi: 346.40°
TVD: 2104.3m Incl: 2.53°

BG 0.09% (2100m-2127m)
97/4/3/1/0

SILTSTONE: m gy-gnsh gy, frm-hd, blk, arg, mod-hi calc, tr blk carb lam

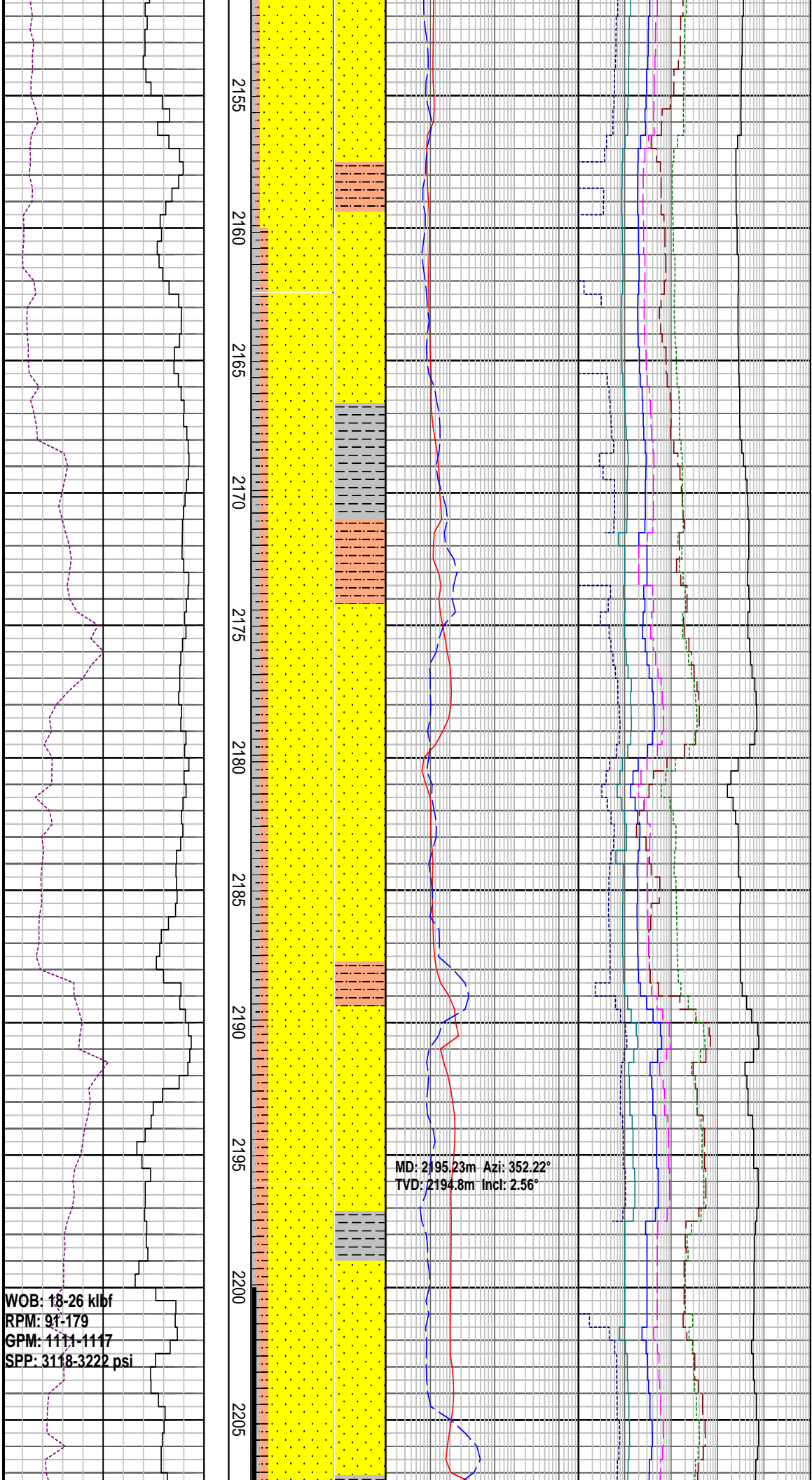
GLAUCONITIC SANDSTONE: wh-lt gy gnsh gy, frm-hd, blk, v f-m, mod srt, sbsng qtz, com dk gr f-m gr, sbang-wl rndd galu in frm-hd slty mtrx w/calc cmt, pr vis por, com lse glau gr

COAL : dk brn-blk, mod hd-hd, ang, planar-conch frac

SANDSTONE: wh-lt gy, yelsh gy-mod yel, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrndd-rndd, sbsph, trnsi-fros qtz, broken i/p, tr lse f-granule pyr, tr pyr qtz

CLAYSTONE: lt-m gy, mod frm-hd, sbbkly-blky, tr carb flks, tr mic flks, mod calc

SANDSTONE: wh-lt gy, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrndd-rndd, sbsph, trnsi-fros qtz, broken i/p, tr pyr qtz



WOB: 18-26 klbf
 RPM: 91-179
 GPM: 1111-1117
 SPP: 3118-3222 psi

MD: 2195.23m Azi: 352.22°
 TVD: 2194.8m Incl: 2.56°

SILTSTONE: mod brn-olv gy, frm-hd, blk, arg, n calc

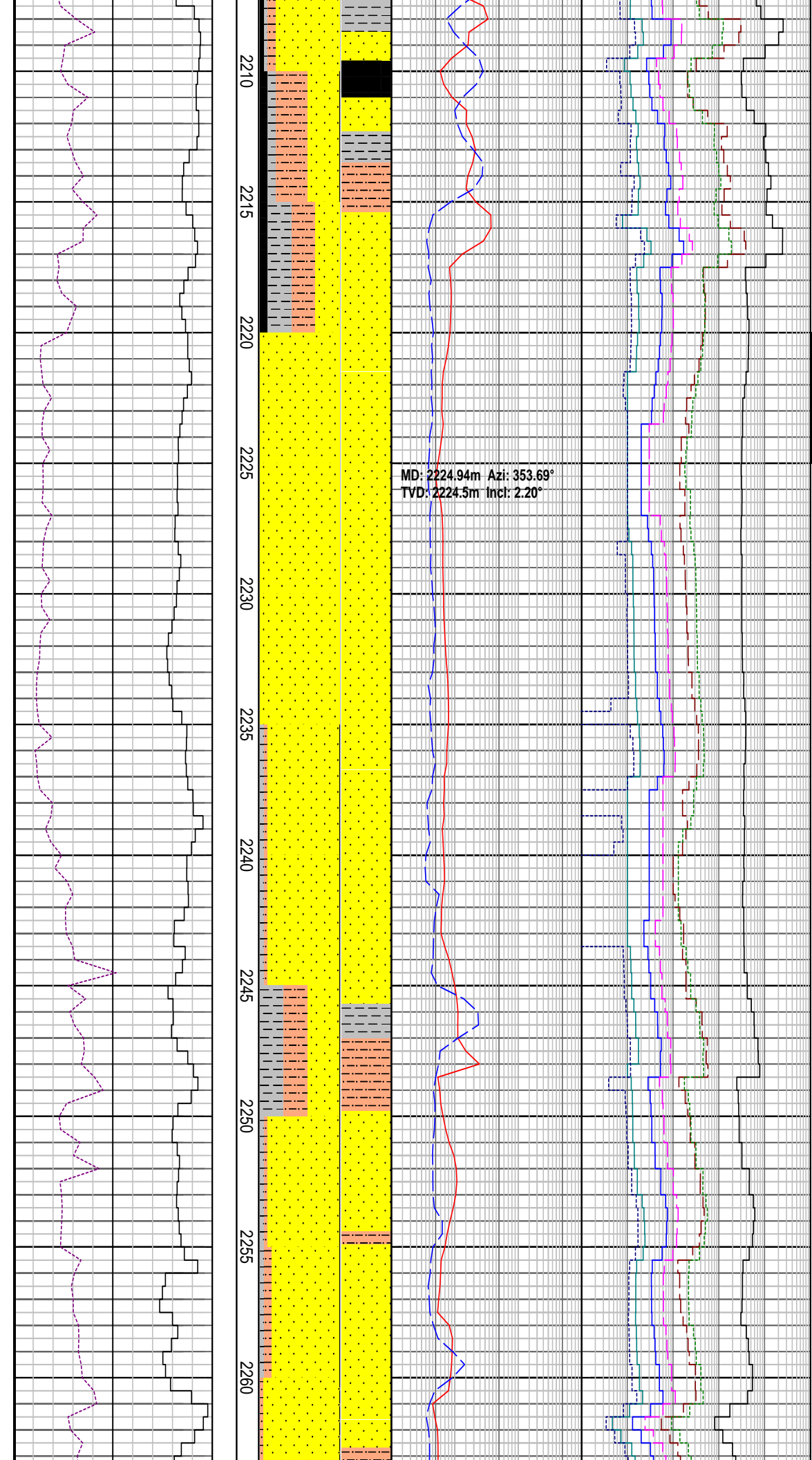
CLAYSTONE: lt-m gy, mod frm-hd, sbblk-blk, tr carb flks, tr mic flks, mod calc

SANDSTONE: wh-lt gy, yelsh gy-mod yel, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrndd-rndd, sbsph, trnsf-fros qtz, broken i/p, tr pyr qtz

SILTSTONE: mod brn-olv gy, frm-hd, blk, arg, n calc

CLAYSTONE: lt-m gy, mod frm-hd, sbblk-blk, tr carb flks, tr mic flks, mod calc

SANDSTONE: wh-lt gy, yelsh gy-mod yel, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrndd-rndd, sbsph, trnsf-fros qtz, broken i/p, tr lse f-granule pyr, tr pyr qtz



COAL : dk brn-blk, mod hd-hd, ang, planar-conch frac

SILTSTONE: mod olv brn-dk gy, frm-hd, arg-carb, n calc

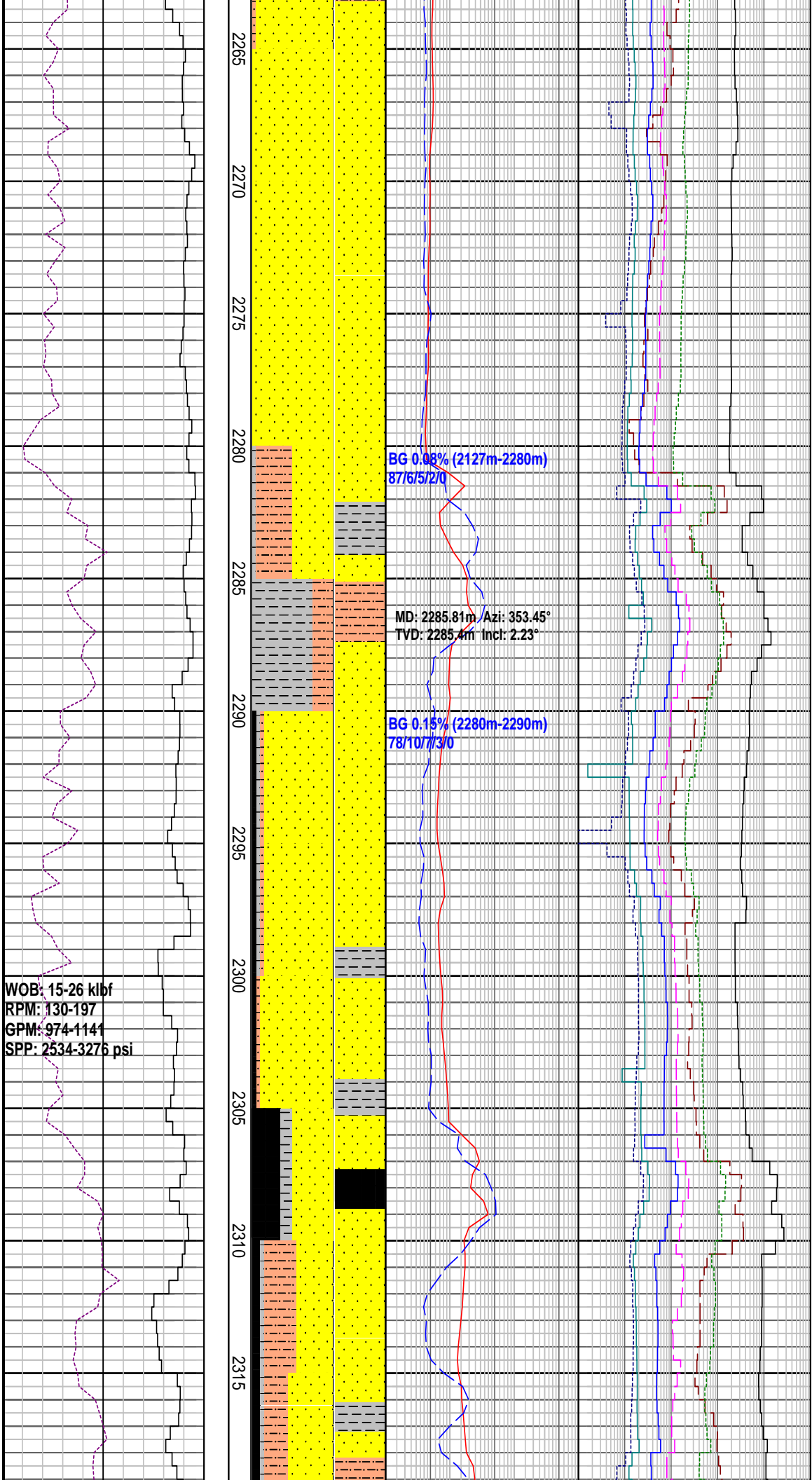
SANDSTONE: wh-lt gy, yelsh gy-mod yel, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrn-dd-rn-dd, sbsph, trnsl-fros qtz, broken i/p, tr pyr

SHOWS (2220m-2225m): Tr mod brt yel-gr patchy fluor from vis blk liquid bitumen in silty vf sst. Very fast strmg brt grnsh wh cut fluor. Wide spotty bright gr-yel fluor resi ring, pl brn vis residue.

SANDSTONE: wh-lt gy, yelsh gy, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrn-dd-rn-dd, sbsph, trnsl-fros qtz broken i/p, tr pyr qtz

SILTSTONE: mod olv brn-dk gy, frm-hd, arg-carb, n calc

SANDSTONE: wh-lt gy, yelsh gy-mod yel, lse, occ agg, f gr, m-crs granule, mod-wl srt, sbrn-dd-rn-dd, sbsph, trnsl-fros qtz, broken i/p, tr pyr qtz



MW: 9.3 ppg	FV: 82
PV: 23	YP:38
Gels: 11/19/25	pH: 8.5

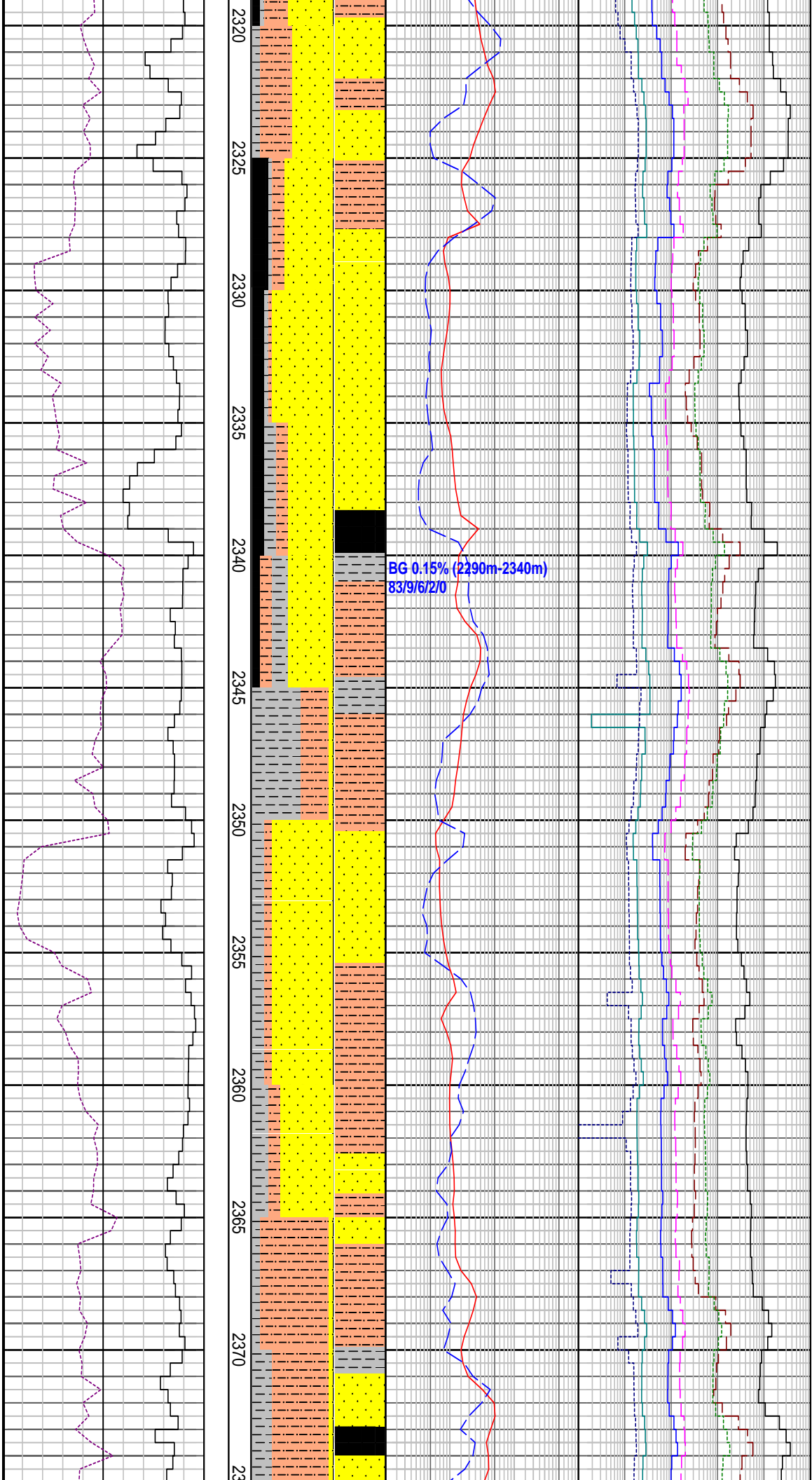
CLAYSTONE: lt-m gy, mod frm-hd, sbbkly-blky, tr carb flks, tr mic flks, mod calc

SILTSTONE: mod brn-olv gy, frm-hd, blk, arg, n calc

SANDSTONE: wh-lt gy, lse, crs-granule, mod-wl srt, sbrndd-rndd, sbsph trnsf-fros qtz, broken i/p

COAL : dk brn-blk, hd, ang, planar-conch frac

SANDSTONE: wh-lt gy, lse, m-crs, mod-wl srt, sbrndd-rndd, sbsph, trnsf-fros qtz, broken i/p



SILTSTONE: mod olv brn-dk gy, frm-hd, blk, arg-carb, n calc

SANDSTONE: wh-lt gy, lse, m-crs, mod-wl srt, sbrndd-rndd, sbsph, trnsi-fros qtz, broken i/p

COAL : dk brn-blk, hd, ang, planar-conch frac

CLAYSTONE: lt gy- m gy, mod frm, sbbky-blky, sli slit, tr mic, tr carb flks, mod calc

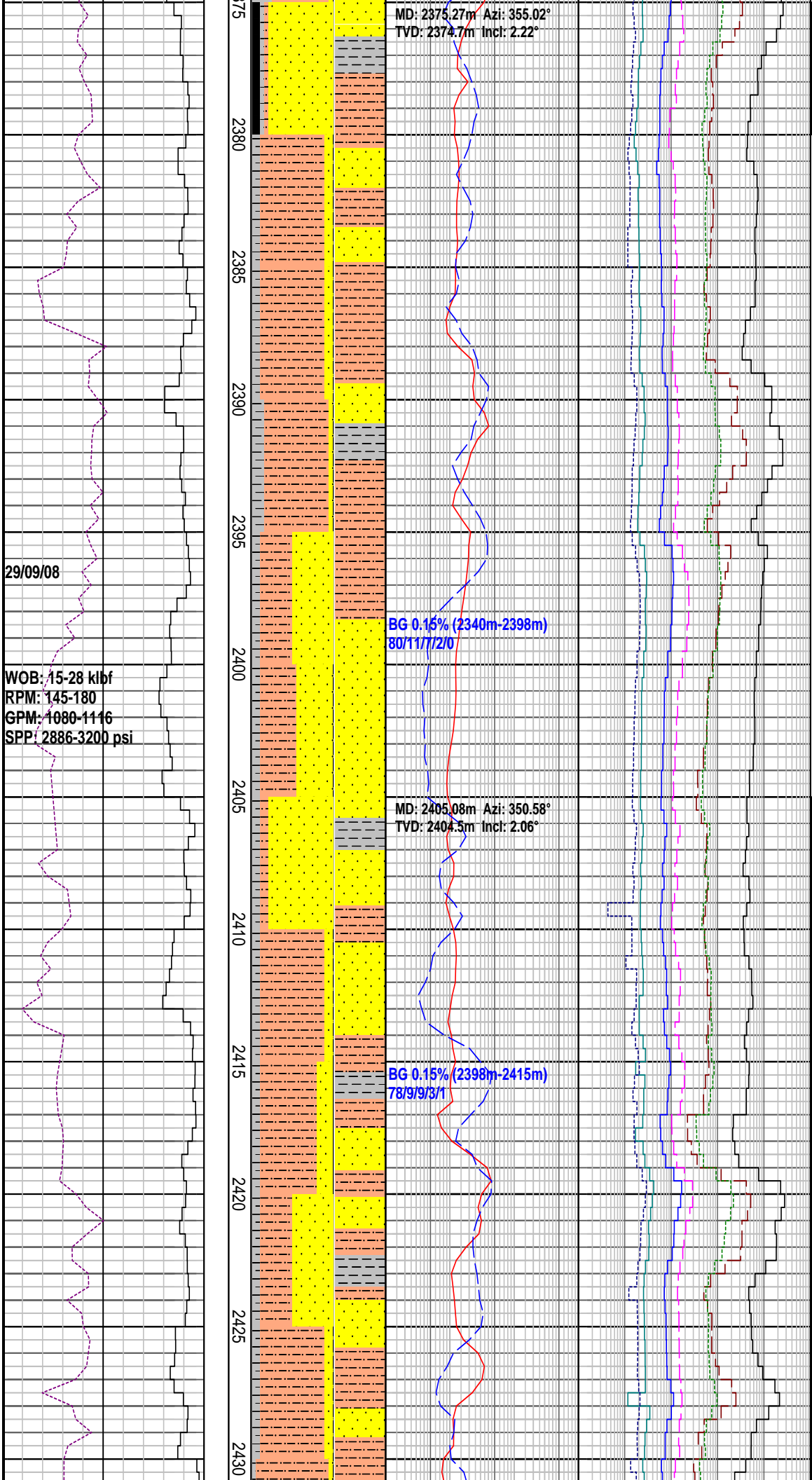
SILTSTONE: mod olv brn-dk gy, frm-hd, blk, arg-carb, n calc

SANDSTONE: wh-lt gy, lse, m-crs, mod-wl srt, sbrndd-rndd, sbsph, trnsi-fros qtz, broken i/p

SANDSTONE: wh-lt gy, lse, m-crs, mod-wl srt, sbrndd-rndd, sbsph, trnsi-fros qtz, broken i/p

SILTSTONE: mod olv brn-dk gy, frm-hd, blk, arg-carb, n calc

MW: 9.5 ppg	FV: 58
PV: 18	YP: 31
Gels: 12/20/23	pH: 8.5



SANDSTONE: gysh yel-mod olv brn, agg v f sd, wl srt, with wh-lt gy, lse, m-crs-granule, mod srt, sbrn-dd-rn-dd, sbsph trnsl-fros qtz, broken i/p

SHOWS (2375m-2380m): Tr mod brt gr-yel pinpoint fluor in sltst. Slow blooming dull bl-wh cut fluor. pl bl-gr mod wide spotty fluor residual ring, nil vis residue.

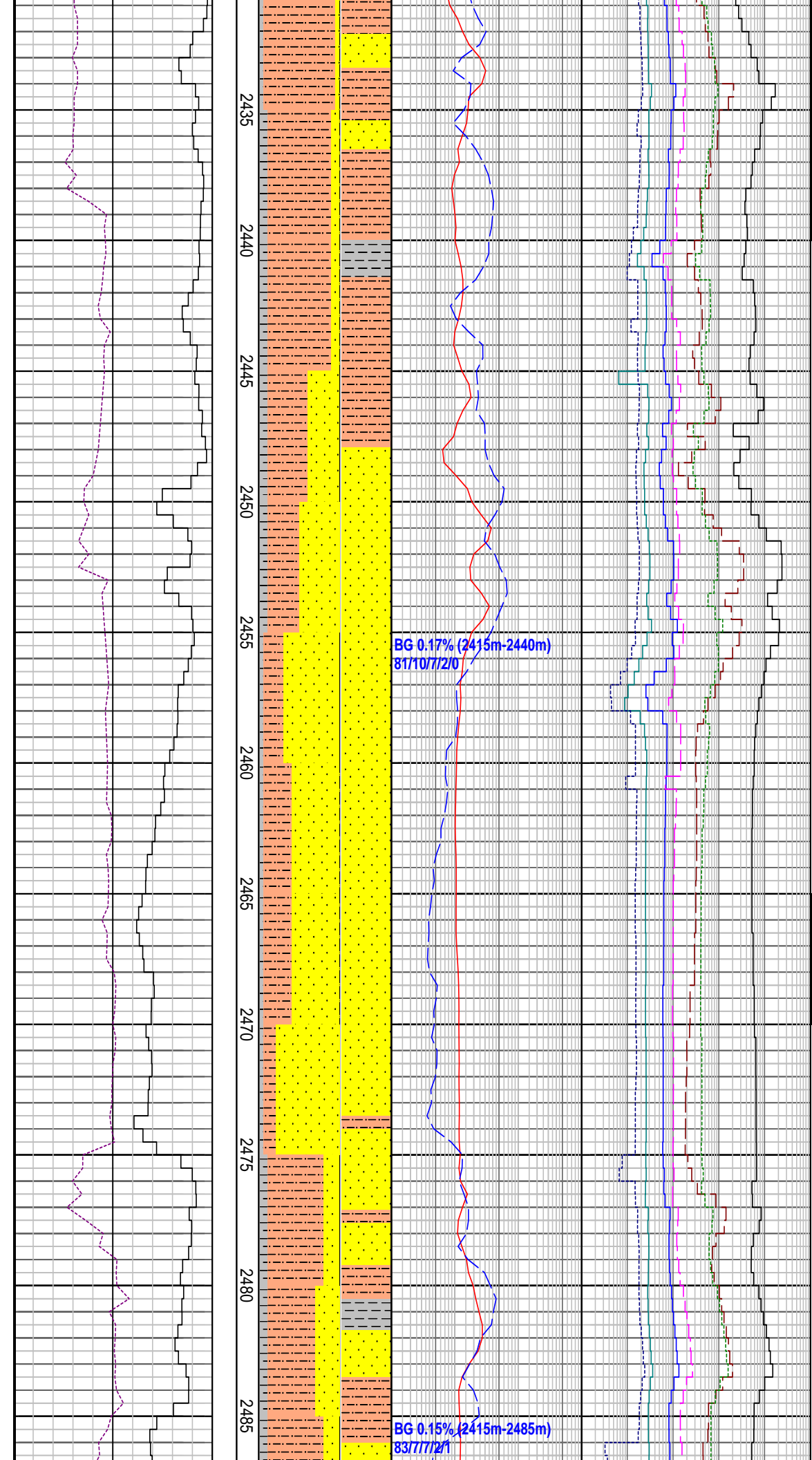
SILTSTONE: mod olv brn-dk gy, frm-hd, blk, arg-carb, n calc

SANDSTONE: lt-m gy lse f lower-crs lower, dom m sd, pr srt, sbang-sbrn-dd cl-rfs qtz, tr xln pyr, tr qtz granules, tr brn gy v f hd sltst, tr calc m sst. tr qtz granules, tr calc m sst, tr xln pyr

SHOWS (2405m-2440m): Tr (2% at 2430m) dull to mod brt pinkish yel pinpoint fluor in sltst. Slow(fast at 2425m) blooming dull to mod brt bl-wh cut fluor. Thin dull to mod brt bl-wh fluor resid ring, ni vis residue.

SANDSTONE: lt-m gy lse f lower-crs lower, dom m sd, pr-mod srt, sbang-sbrn-dd cl-rfs qtz,

SILTSTONE: mod olv brn-dk gy, frm-hd i/p, blk, arg, glau i/p, n calc



SANDSTONE: lt-m gy lse f lower-crs lower, dom m sd, pr-mod srt, sbang-sbrndd clr-frs qtz, tr qtz granules, tr calc m sst, tr xln pyr

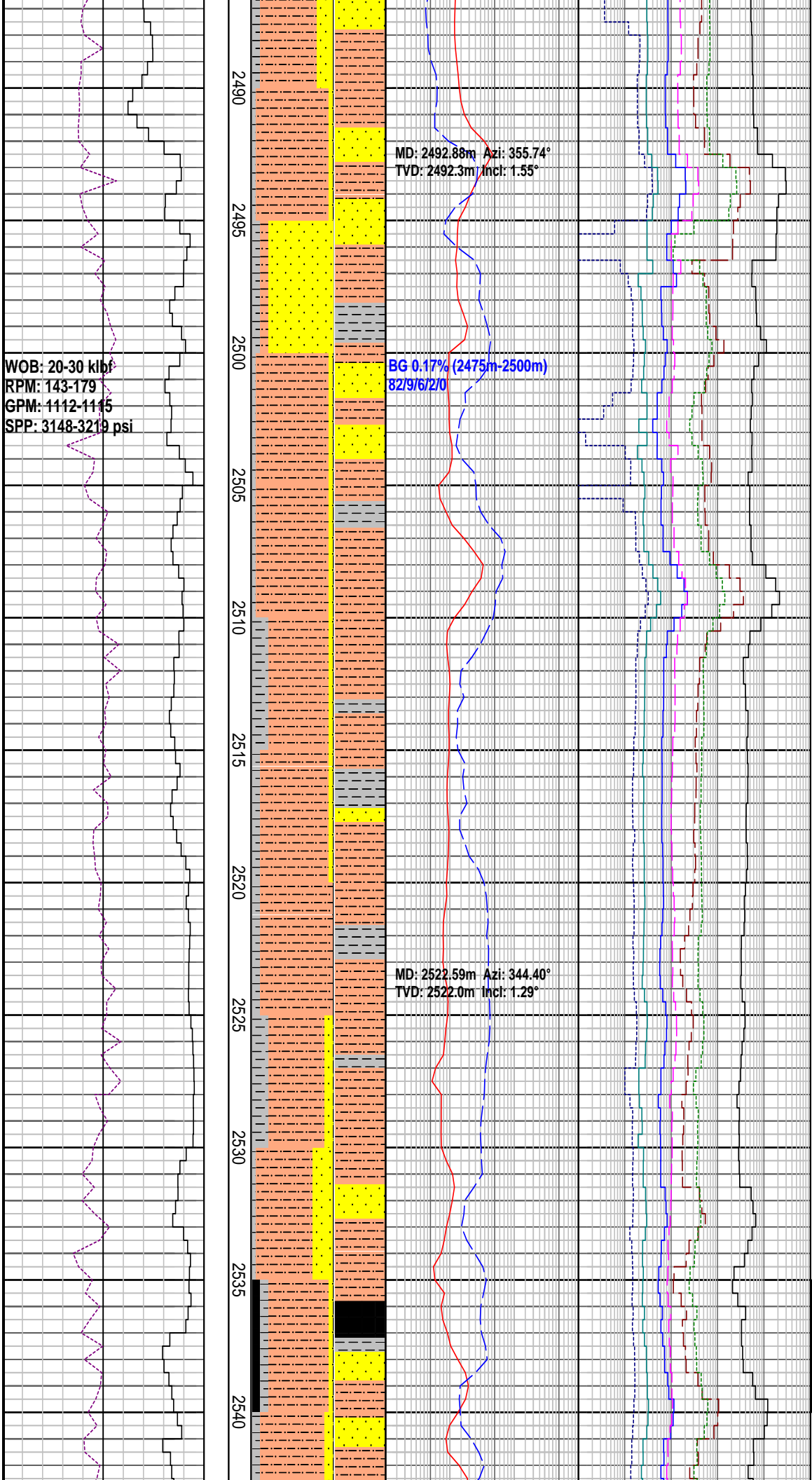
MW: 9.5 ppg	FV: 53
PV: 17	YP:30
Gels: 11/22/26	pH: 8.5

SILTSTONE: mod olv brn-m gy, frm-mod hd, blkly, arg-carb calc, tr mic flks, tr carb lam, n calc

SANDSTONE: lt-m gy lse f lower-crs lower, dom m sd, pr-mod srt, sbang-sbrndd clr-frs qtz, tr qtz granules, tr calc m sst, tr xln pyr

SANDSTONE: wh-lt gy, lse, f-crs, tr granule, dom m wl srt, sbrndd-rndd, sbsph trnsf-fros qtz, in places broken, com sft wh-lt gy amor n calc rock flour, tr pyr clus cmt gr
 SHOWS (2465m-2470m): tr 2% dull yel org pinpoint fluor in sltst, mod fast blooming dull bl-wh cut fluor, Thin dull to mod brt bl-wh fluor resid ring.

SII TSTONE: mod olv brn-m av



frm-mod hd, blk, arg-carb n calc, tr mic flks, tr carb lam

SANDSTONE: lt-m brnsh gy, frm-mod hd, v f lower-upper sst, wl srt sbang qtz, tr mic slty mtrx, com carb lam, with mnv lse v f-m sd, tr qtz granules

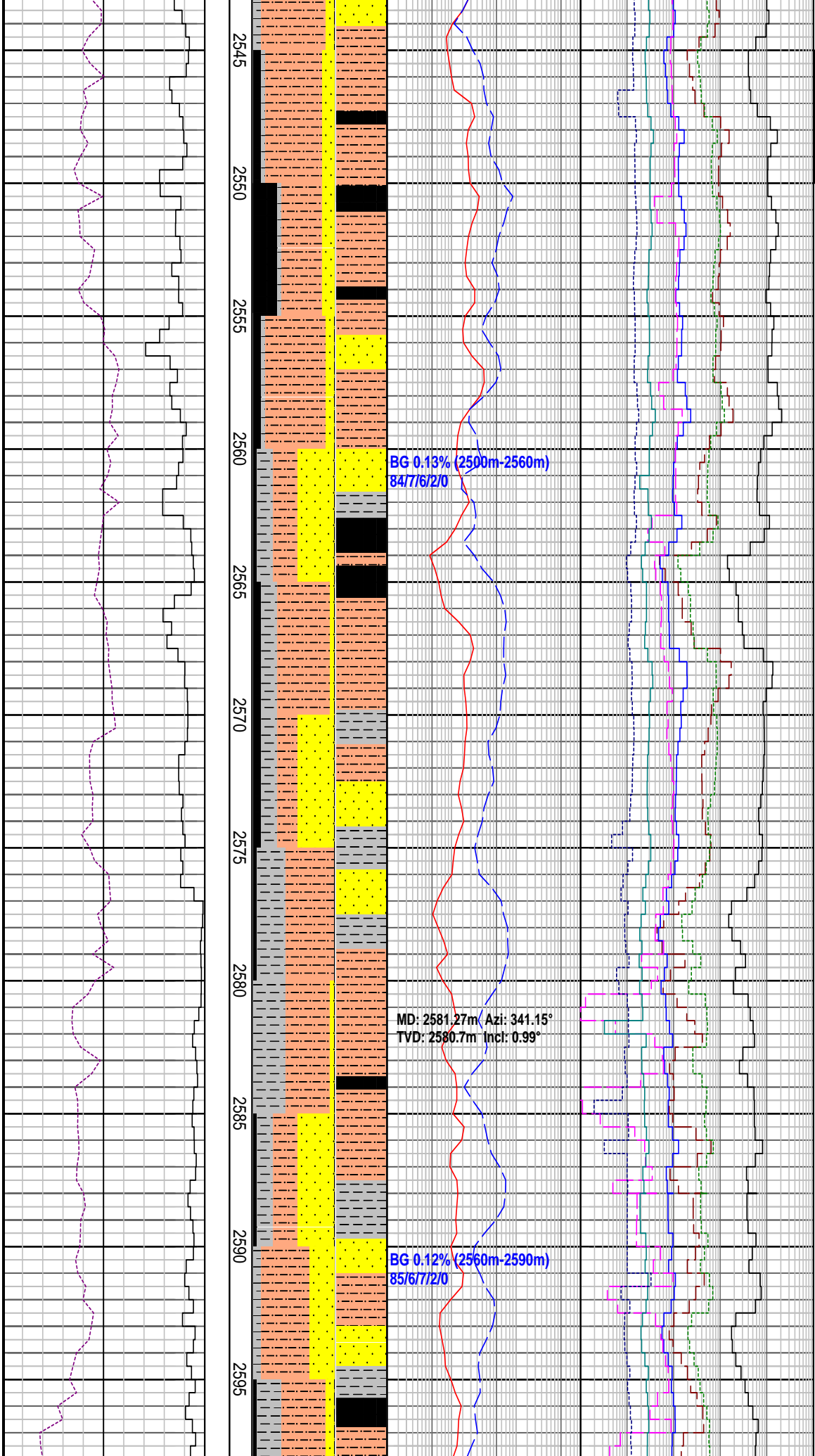
CLAYSTONE: lt gy- m gy, sft-mod frm disp i/p, sbbkly-blky, sli slty, tr mic flks, tr carb flks, mod calc

SILTSTONE: mod olv brn-m gy, frm-mod hd, blk, arg-carb, tr coal frag, n calc, com pl-gy frm sli sandy sltst, tr mic flks, tr carb lam

SANDSTONE: lt-m brnsh gy, frm-mod hd, v f-f, wl srt, sbrn-dd-rn-dd, mod srt, tr mic slty mtrx, com carb lam, n calc, inf vis por, tr xln pyr

SANDSTONE: lt-m brnsh gy, frm-mod hd, v f lower-upper sst, wl srt sbang qtz, tr mic slty mtrx, wkly cmt, mod srt, com carb lam, with mnv lse v f-m sd, tr xln pyr

SHOWS (2535m-2540m): tr brt grsh-yel pinpoint fluor in calcareous clyst, slow blooming mod brt bl-wh cut fluor, thin dull bl-wh fluor residual ring, nil vis residue.



SANDSTONE: lt-m brnsh gy, frm-mod hd, v f lower-upper sst, wl srt sbang qtz, tr mic in slty mtrx, wkly cmt, mod srt, com carb lam, with mnr lse v f-m sd, tr xln pyr

SHOWS (2545m-2550m): tr brt gr-wh pinpoint fluor in coal(resin), slow blooming mod brt bl-wh cut fluor, wide brt bl-gr fluor residual ring, nil vis residue.

COAL: dk brn-blk, hackly-conc frac

SANDSTONE: lt-m brnsh gy, frm-mod hd, v f lower-upper sst, wl srt sbang qtz, tr mic in slty mtrx, wkly cmt, com carb lam

MW: 9.5 ppg	FV: 58
PV: 19	YP:31
Gels: 12/24/29	pH: 8.5

COAL: dk brn-blk, frm, hackly-conch frag

CLAYSTONE: lt gy- m gy, sft-mod frm disp i/p, sbblky-blky, sli slty, tr mic flks, tr carb flks, mod calc

SILTSTONE: mod olv brn-m gy, frm-mod hd, blk, arg-carb, tr coal frag, n calc, com pl-gy frm sli sandy sltst, tr mic flks, tr carb lam

COAL: dk brn-blk, frm, hackly-conch frag

CLAYSTONE: lt gy- m gy, sft-mod frm disp i/p, sbblky-blky, sli slty, tr mic flks, tr carb flks, mod calc

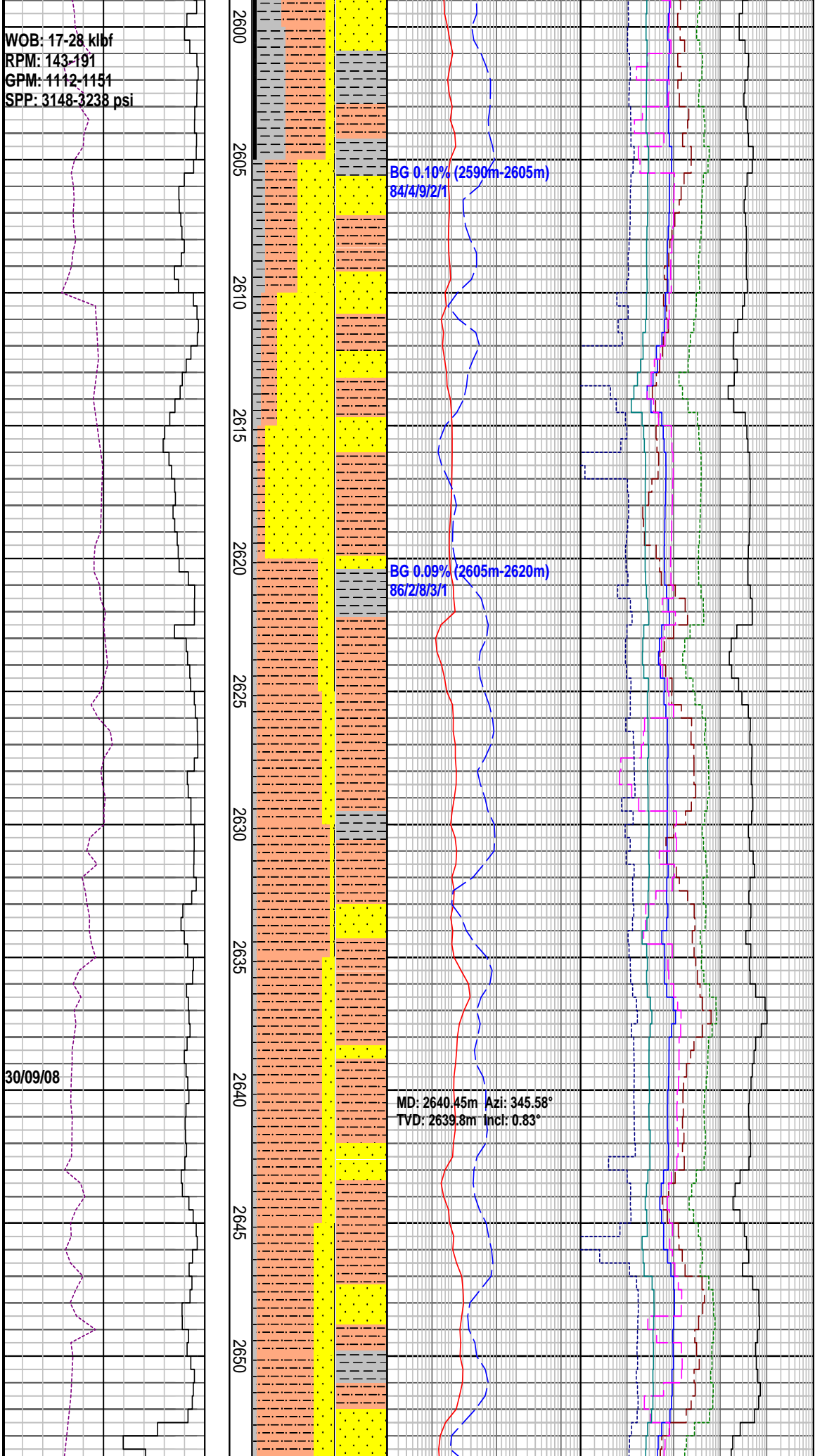
COAL: dk brn-blk, frm, hackly-conch frag

BG 0.13% (2500m-2560m)
847/6/2/0

MD: 2581.27m Azi: 341.15°
TVD: 2580.7m Incl: 0.99°

BG 0.12% (2560m-2590m)
85/6/7/2/0

WOB: 17-28 klbf
RPM: 143-191
GPM: 1112-1151
SPP: 3148-3238 psi



CLAYSTONE : lt-m gy, sft-mod frm, sbblky-blky, sli slty, tr mic flks, tr carb flks, mod calc

SANDSTONE: wh-v lt gy, pred lse with occ agg, m-crs with mnr granule, mod-wl srt, sbang-sbrndd clr-fros qtz, tr pyr, tr musc flks, tr coal

SANDSTONE: v lt gy-m brnsh gy, frm-mod hd, v f lower-upper sd, f sst i/p, wl srt sb ang qtz, tr mic in slty mtrx, wk sil cmt, com carb lam, with com lse v f-f sd, mod srt, sbrndd, tr pyr granules

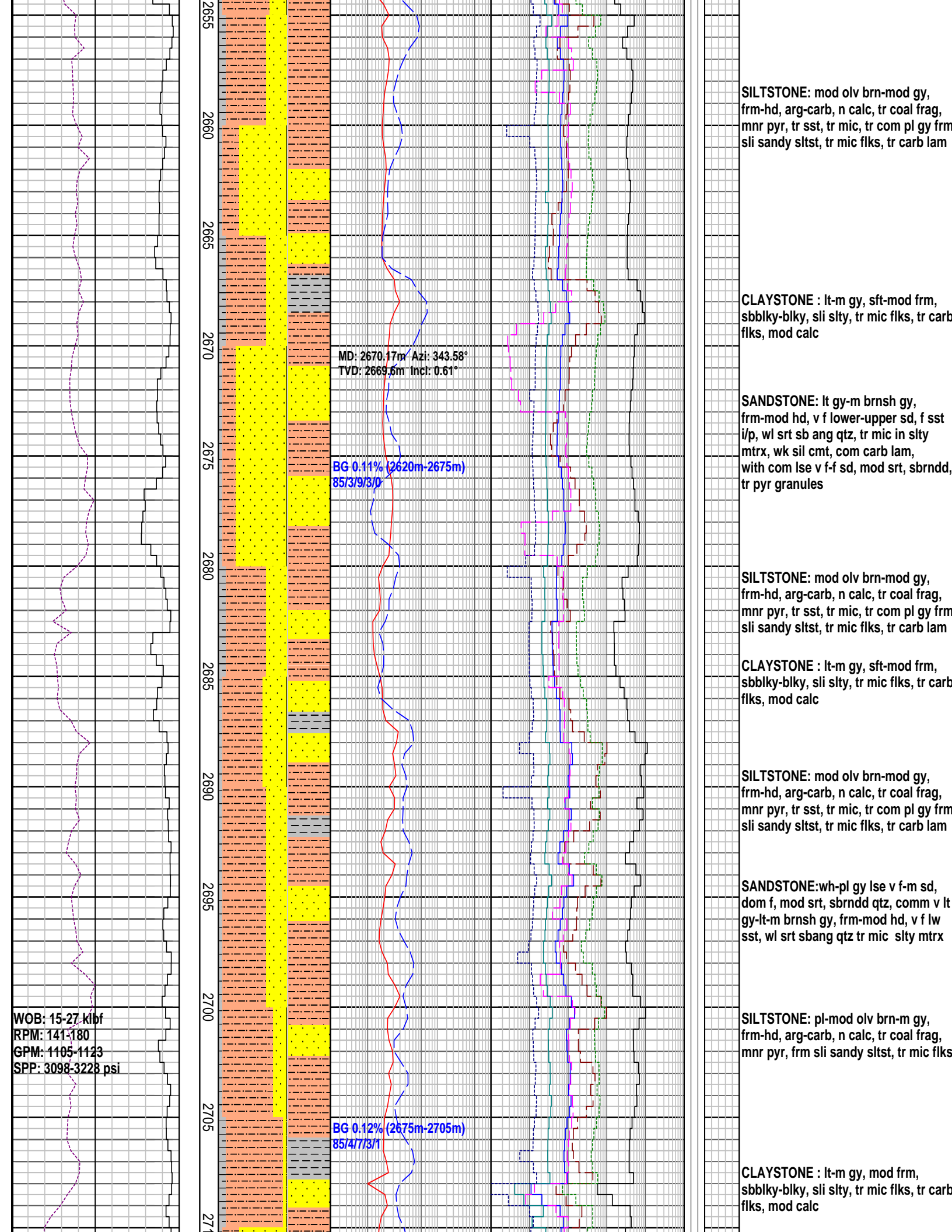
SILTSTONE: mod olv brn-mod gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr sst, tr mic, tr com pl gy frm sli sandy sltst, tr mic flks, tr carb lam

MW: 9.4 ppg	FV: 57
PV: 17	YP: 32
Gels: 13/26/30	pH: 8.5

SANDSTONE: v lt gy-m brnsh gy, frm-mod hd, v f lower-upper sd, f sst i/p, wl srt sb ang qtz, tr mic in slty mtrx, wk sil cmt, com carb lam, with com lse v f-f sd, mod srt, sbrndd, tr pyr granules

SILTSTONE: mod olv brn-mod gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr sst, tr mic, tr com pl gy frm sli sandy sltst, tr mic flks, tr carb lam

SANDSTONE: v lt gy-m brnsh gy, frm-mod hd, v f lower-upper sd, f sst i/p, wl srt sb ang qtz, tr mic in slty mtrx, wk sil cmt, com carb lam



WOB: 15-27 kibf
 RPM: 141-180
 GPM: 1105-1123
 SPP: 3098-3228 psi

MD: 2670.17m Azi: 343.58°
 TVD: 2669.6m Incl: 0.61°

BG 0.11% (2620m-2675m)
 85/3/9/3/0

BG 0.12% (2675m-2705m)
 85/4/7/3/1

SILTSTONE: mod olv brn-mod gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr sst, tr mic, tr com pl gy frm sli sandy sltst, tr mic flks, tr carb lam

CLAYSTONE : lt-m gy, sft-mod frm, sbbkly-blky, sli slty, tr mic flks, tr carb flks, mod calc

SANDSTONE: lt gy-m brnsh gy, frm-mod hd, v f lower-upper sd, f sst i/p, wl srt sb ang qtz, tr mic in slty mtrx, wk sil cmt, com carb lam, with com lse v f-f sd, mod srt, sbrnrd, tr pyr granules

SILTSTONE: mod olv brn-mod gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr sst, tr mic, tr com pl gy frm sli sandy sltst, tr mic flks, tr carb lam

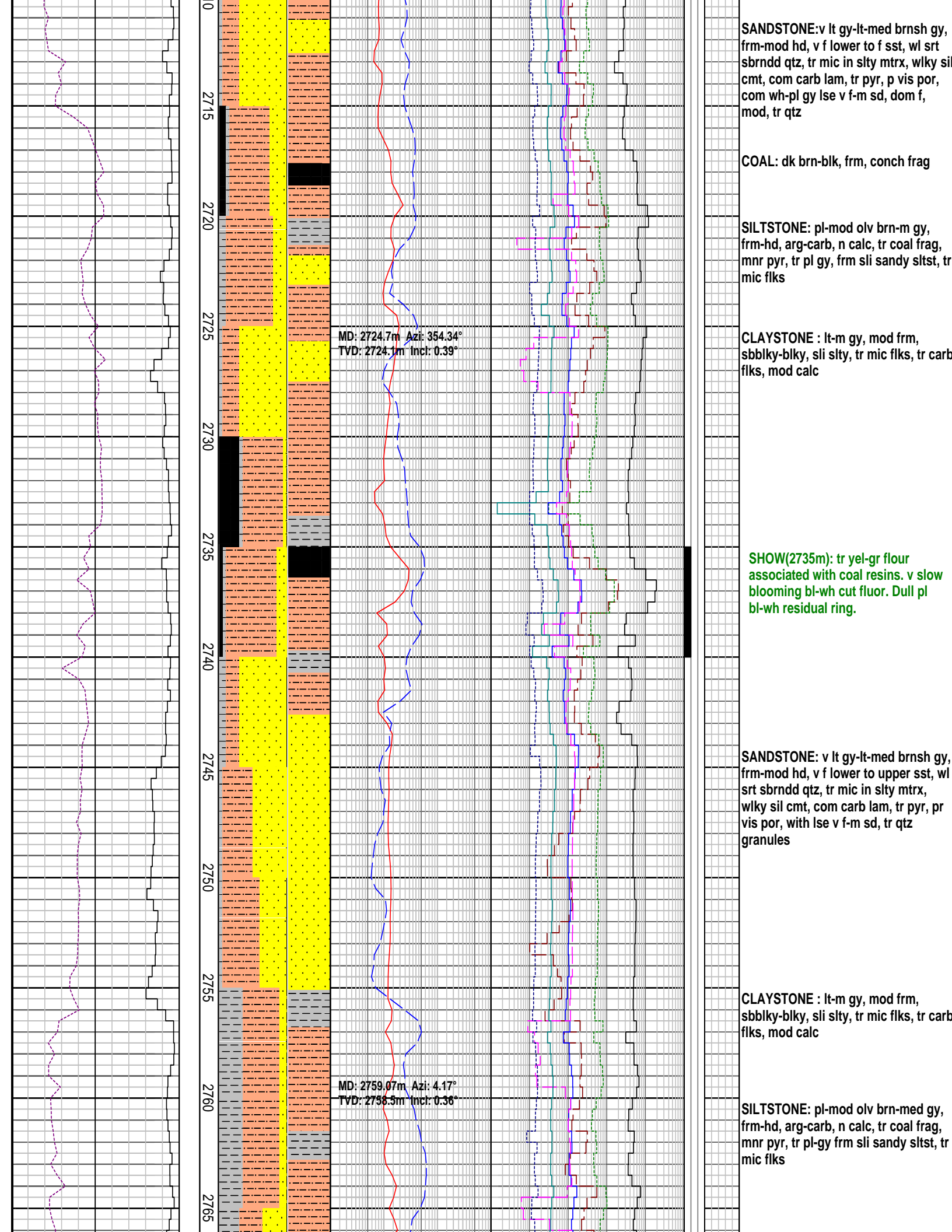
CLAYSTONE : lt-m gy, sft-mod frm, sbbkly-blky, sli slty, tr mic flks, tr carb flks, mod calc

SILTSTONE: mod olv brn-mod gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr sst, tr mic, tr com pl gy frm sli sandy sltst, tr mic flks, tr carb lam

SANDSTONE:wh-pl gy lse v f-m sd, dom f, mod srt, sbrnrd qtz, comm v lt gy-lt-m brnsh gy, frm-mod hd, v f lw sst, wl srt sbang qtz tr mic slty mtrx

SILTSTONE: pl-mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, frm sli sandy sltst, tr mic flks

CLAYSTONE : lt-m gy, mod frm, sbbkly-blky, sli slty, tr mic flks, tr carb flks, mod calc



SANDSTONE: v lt gy-lt-med brnsh gy, frm-mod hd, v f lower to f sst, wl srt sbrndd qtz, tr mic in slty mtrx, wlky sil cmt, com carb lam, tr pyr, p vis por, com wh-pl gy lse v f-m sd, dom f, mod, tr qtz

COAL: dk brn-blk, frm, conch frag

SILTSTONE: pl-mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl gy, frm sli sandy sltst, tr mic flks

CLAYSTONE : lt-m gy, mod frm, sbblky-blky, sli slty, tr mic flks, tr carb flks, mod calc

SHOW(2735m): tr yel-gr flour associated with coal resins. v slow blooming bl-wh cut fluor. Dull pl bl-wh residual ring.

SANDSTONE: v lt gy-lt-med brnsh gy, frm-mod hd, v f lower to upper sst, wl srt sbrndd qtz, tr mic in slty mtrx, wlky sil cmt, com carb lam, tr pyr, pr vis por, with lse v f-m sd, tr qtz granules

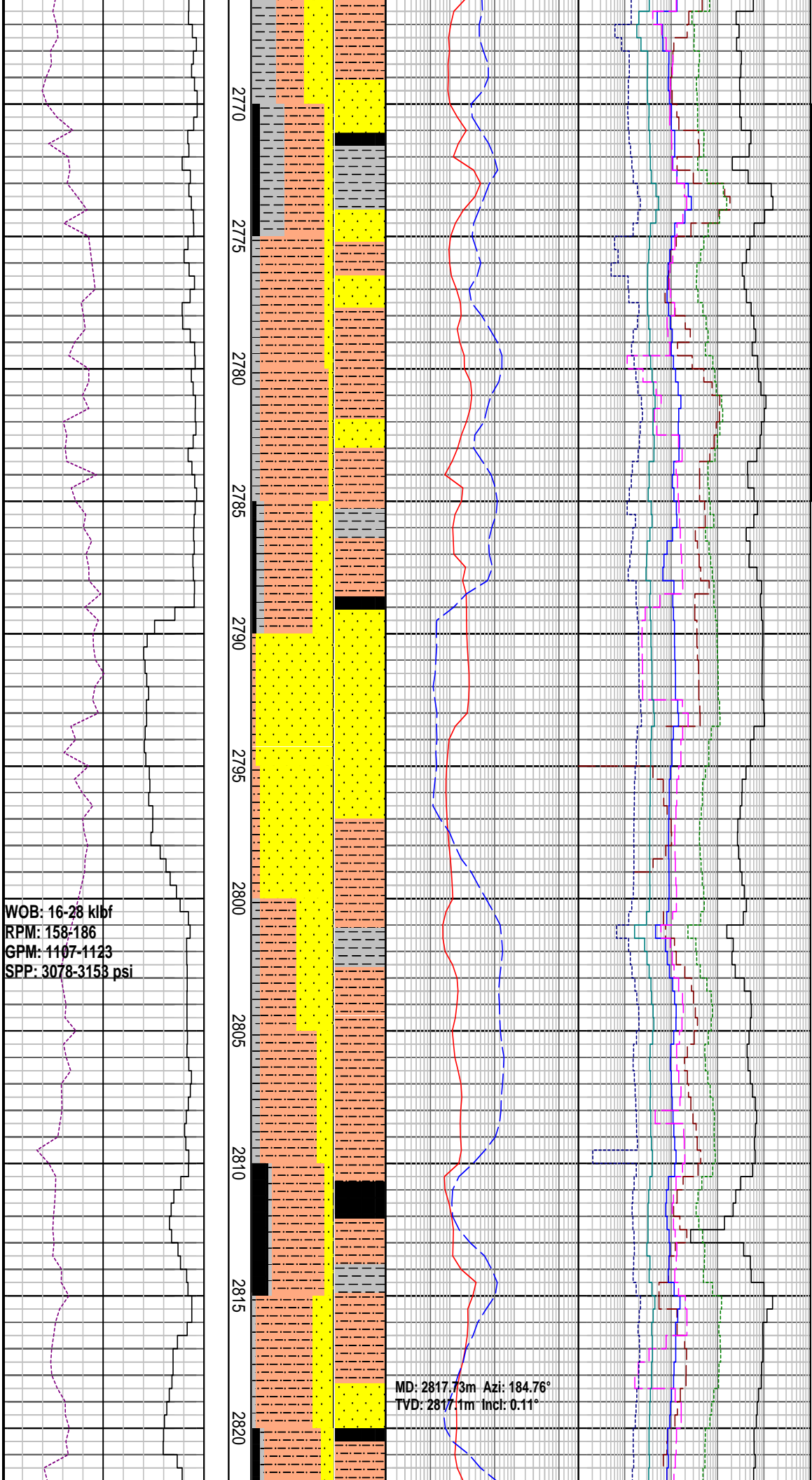
CLAYSTONE : lt-m gy, mod frm, sbblky-blky, sli slty, tr mic flks, tr carb flks, mod calc

SILTSTONE: pl-mod olv brn-med gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl-gy frm sli sandy sltst, tr mic flks

MD: 2724.7m Azi: 354.34°
TVD: 2724.1m Incl: 0.39°

MD: 2759.07m Azi: 4.17°
TVD: 2758.5m Incl: 0.36°

0
2715
2720
2725
2730
2735
2740
2745
2750
2755
2760
2765



SANDSTONE: v lt gy-lt-med brnsh gy, frm-mod hd, v f lower to f sst, wl srt sbrndd qtz and tr mic in slty mtrx, wlky sil cmt, com carb lam, tr pyr, pr vis por, with lse v f-med sd, tr qtz granules
 SHOW(2770m-2785m): tr yel-gr flour associated with coal resins. v slow blooming bl-wh cut fluor. Dull pl bl-wh residual ring.

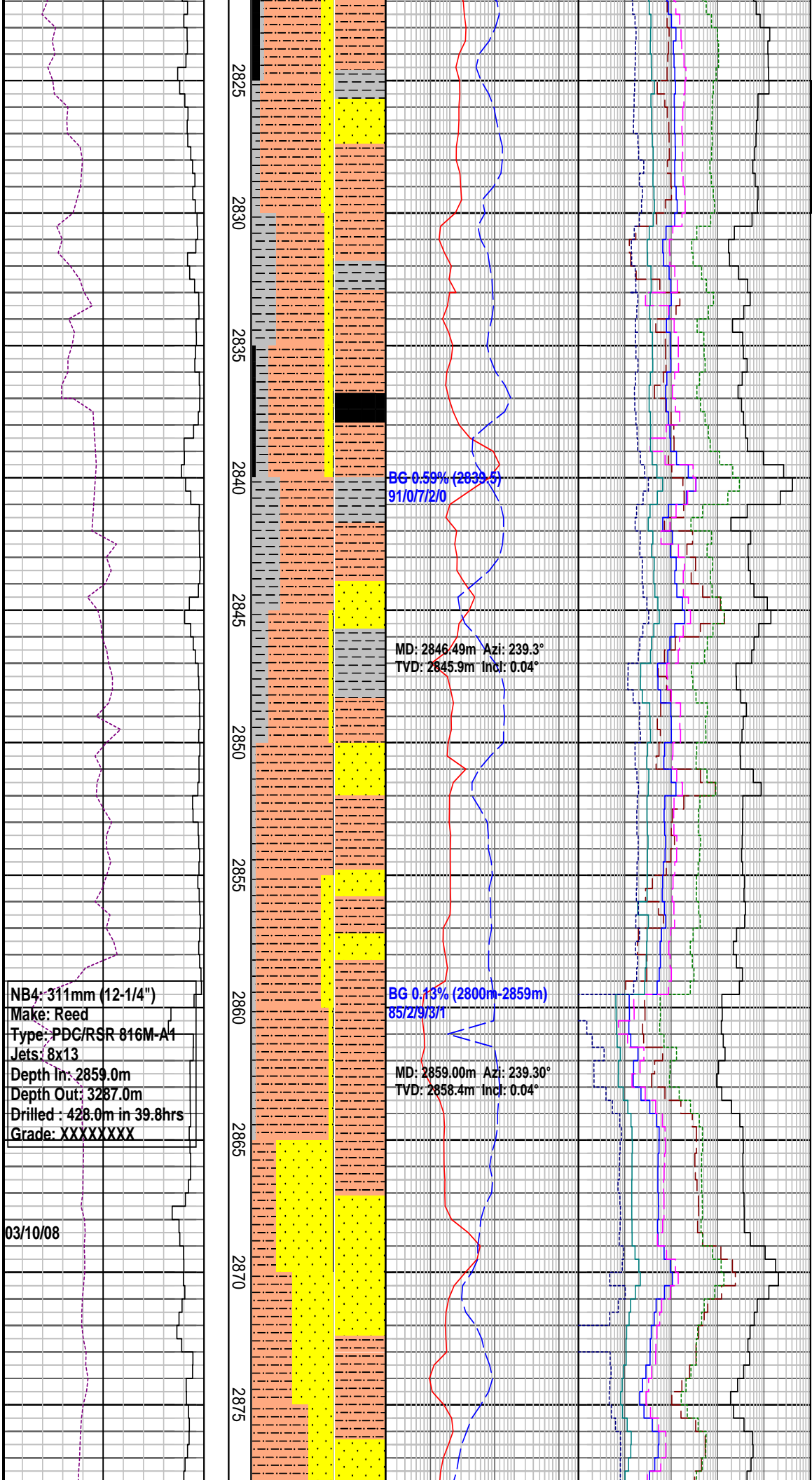
SILTSTONE: pl-mod olv brn-med gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl-gy frm sli sandy sltst, tr mic flks

SANDSTONE: v lt gy-lt-med brnsh gy, frm-mod hd, v f lower to f sst, wl srt sbrndd qtz and tr mic in slty mtrx, wlky sil cmt, com carb lam, tr pyr, pr vis por, com wh-pl gy lse v f-med sd, tr qtz

SILTSTONE: mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl gy frm sli sandy sltst, tr mic flks, tr carb lam

COAL: dk brn-blk, ang, hackly-conch frac, dull-brt banded
 SILTSTONE: mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl gy frm sli sandy sltst, tr mic flks, tr carb lam

COAL: dk brn-blk, ang, hackly-conch frac, dull-brt banded



SILTSTONE: pl-mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl gy, frm sli sandy sltst, tr mic flks

SANDSTONE: v lt gy, lse, v f-f m sd, dom f, mod srt, sbrndd-sbang, 10% agg yel gy sil cmt, tr p, tr coal

SHOWS (2825m-2830m): tr yel-gr pinpoint fluor in coal(resin), v slow blooming bl-wh cut fluor, bl-wh fluor residual ring, nil vis residue.

COAL: dk brn-blk, ang, hackly-conch frac, dull-brt banded

CLAYSTONE: lt-m gy, mod frm, sbbkly-blky, sli slty, tr mic flks, tr carb flks, tr carb flks, mod calc

SANDSTONE: v lt-gy-lt-m brnsh gy, frm-mod hd, v f lower-upper sst, wl srt, sbang-sbrndd qrtz and tr mic in slty mtrx, wlv sil cmt, com carb lam with mnr lse v f-med sd

SILTSTONE: mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, mnr pyr, tr pl gy frm sli sandy sltst, tr mic flks, tr carb lam

Bit Trip @2859.0m

MW: 9.8 ppg	FV: 54
PV: 15	YP: 29
Gels: 11/19/27	pH: 8.5

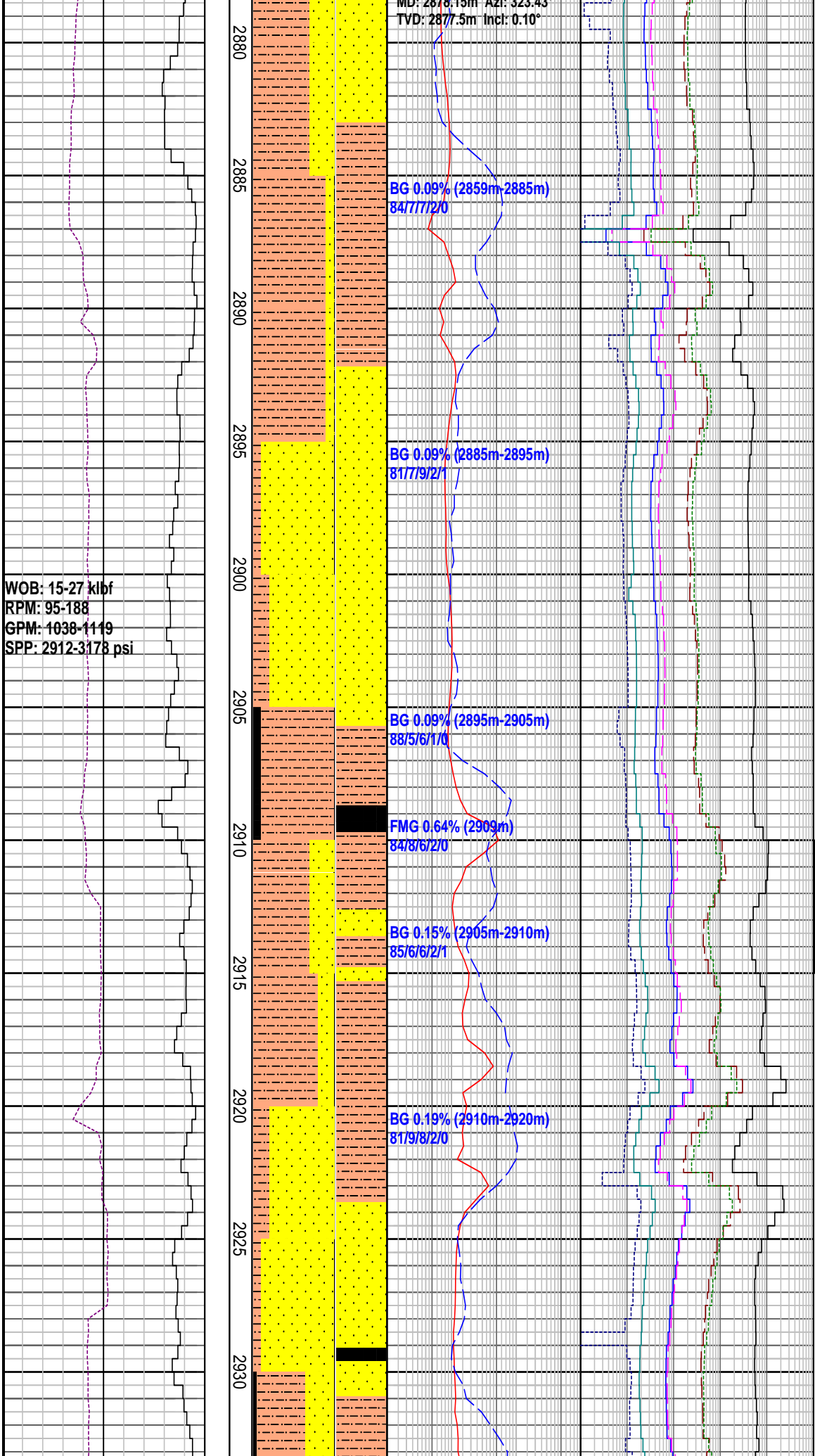
SANDSTONE wh-pl gy f-m agg, mod srt, sbang-sbrndd qrtz in mnr sil mtrx, mnr sil cmt, frm-hd, tr carb frag, nil vis por, with abun lse f-m mod srt sbrndd qrtz gr, tr calc frag, tr lse

SANDSTONE: v lt-gy-lt-m brnsh gy, frm-mod hd, v f lower-upper sst, opq v crs qtz, wl srt, sbang-sbrndd qrtz and tr mic in slty mtrx, wlv sil cmt, tr carb

NB4: 311mm (12-1/4")
 Make: Reed
 Type: PDC/RSR 816M-A1
 Jets: 8x13
 Depth In: 2859.0m
 Depth Out: 3287.0m
 Drilled: 428.0m in 39.8hrs
 Grade: XXXXXXXX

03/10/08

MD: 2878.15m Azi: 323.43°
TVD: 2877.5m Incl: 0.10°



WOB: 15-27 klbf
RPM: 95-188
GPM: 1038-1119
SPP: 2912-3178 psi

SANDSTONE: wh-pl gy agg, v f-f, wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mnr sil cmt,

SILTSTONE: mod olv brn-m gy, frm-hd, arg-carb, n calc, tr coal frag, tr pl gy frm sli sandy sltst, tr mic flks, tr carb lam, tr pyr with galu

SANDSTONE: lse m-granule dom m upper mod srt sbrndd qtz gr, tr musc flks, tr calc frag, tr pyr cry, with mnr wh-pl gy-yelsh gy f-crs agg, mod srt, sbang-sbrndd qtz in mnr slty mtr tr pyr cmt, tr carb frag, nil vis por.

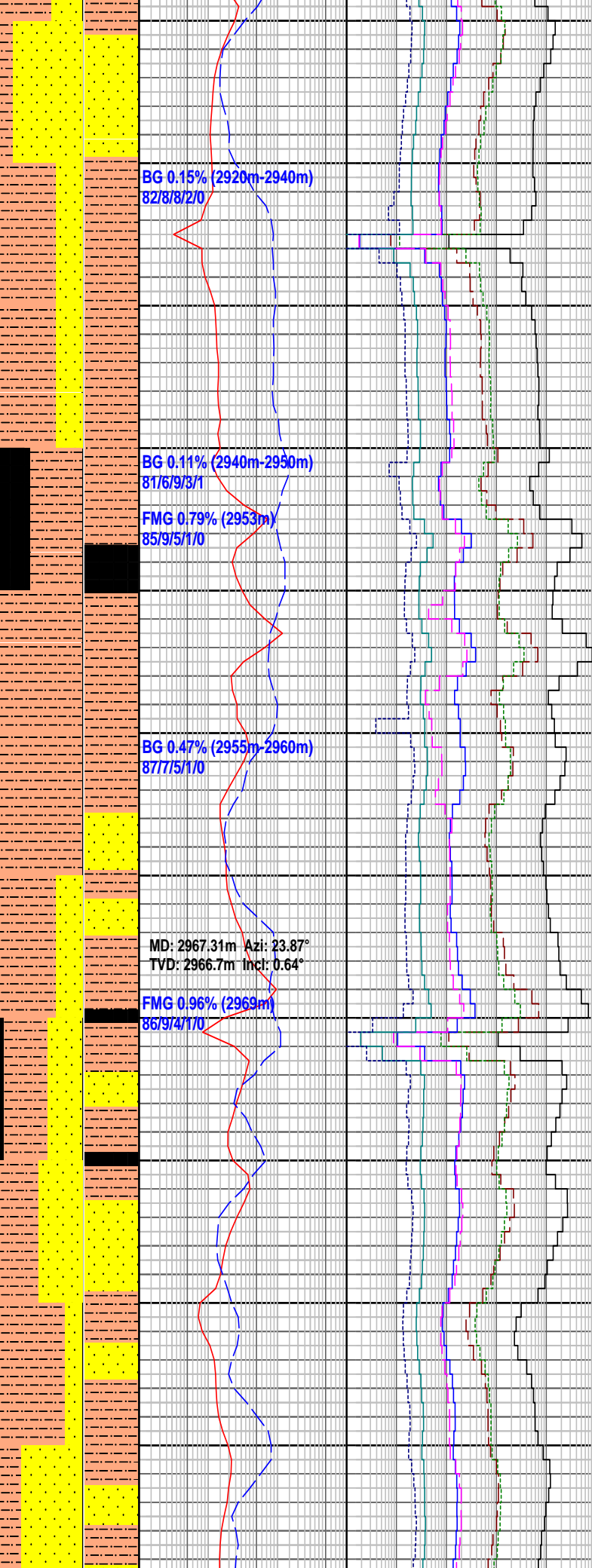
COAL: dk brn-blk, frm, blk, conch frac

SANDSTONE: lse m-granule dom m upper mod srt sbrndd qtz gr, tr musc flks, tr calc frag, tr pyr cry, with mnr wh-pl gy-yelsh gy f-crs agg, mod srt, sbang-sbrndd qtz in mnr slty mtrx tr pyr cmt, tr carb frag, nil vis por.

SHOWS (2910m-2915m): tr dull grsh-yel pinpoint fluor in silty vf sst, slow blooming mod brt bl-wh cut fluor, mod thick brt-wh fluor residual ring, nil vis residue.

SANDSTONE: lse f-m dom f upper-m lower wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in om slty mtrx, mnr sil cmt,

2935
2940
2945
2950
2955
2960
2965
2970
2975
2980
2985
2



SILTSTONE:lt brn-m brnsh gy, frm-hd, mod hd i/p, arg-carb, n calc, mnr pyr, tr pl gy frm sli sandy sltst, tr mic flks

SANDSTONE:Ise f-m dom f upper-m lower wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mnr sil cmt, fri-frm, tr carb frag, pr vis por, mnr sft wh rock flour

MW: 10.5 ppg	FV: 56
PV: 14	YP:37
Gels: 14/21/27	pH: 8.5

COAL : blk, frm-hd, brt bnnd, conc-planar frac

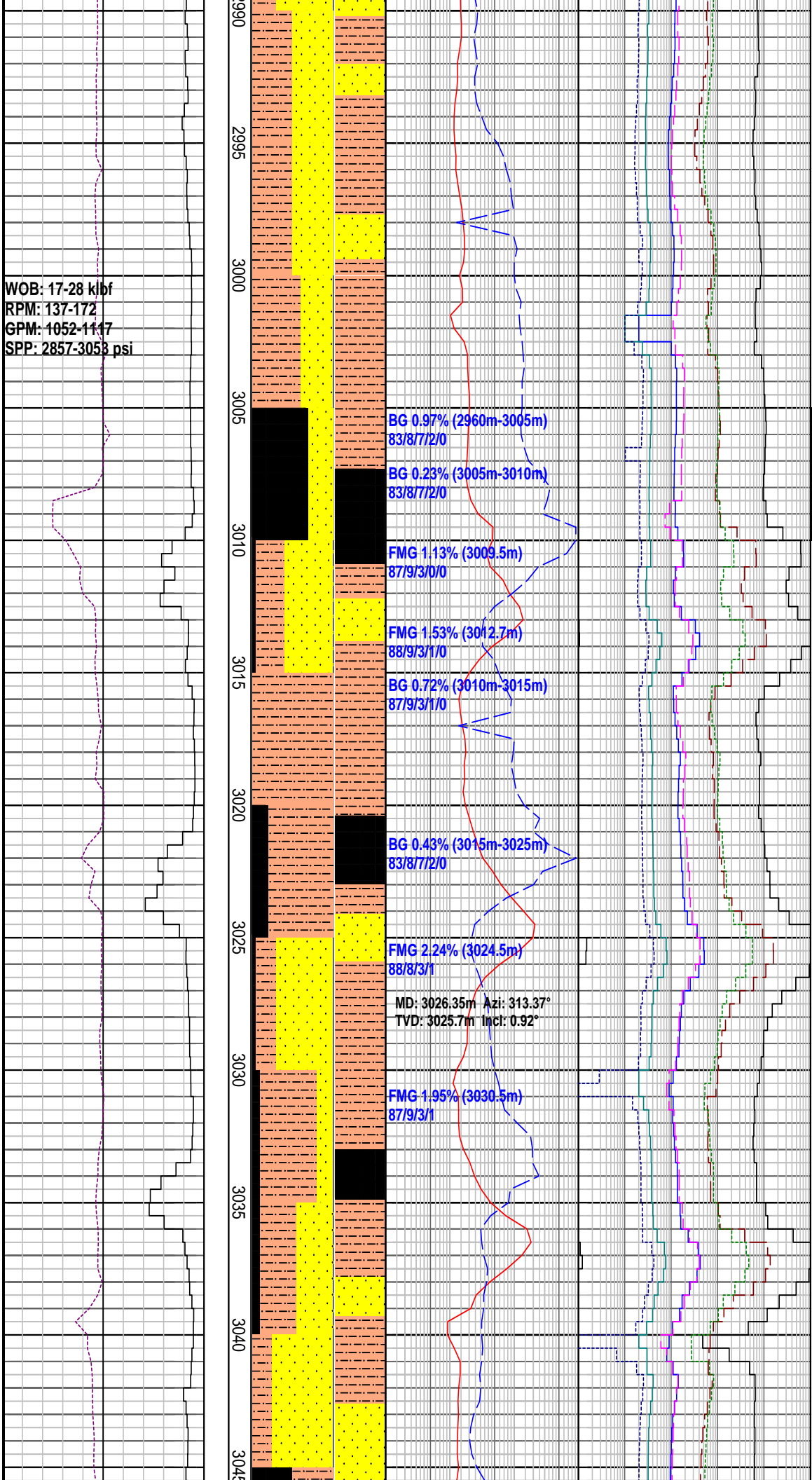
SILTSTONE: lt-mod olv brn-m gy, frm-hd, arg-carb, n calc, com pl gy frm stly sandy sst, tr mic flks

SANDSTONE:Ise f-m dom f upper-m lower wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mnr sil cmt, fri-frm, tr carb frag, pr vis por, mnr sft wh rock flour

SILTSTONE: dkgy-brn gy,m brn gy, frm-hd, mod hd i/p, blk, n calc, mnr pyr, tr mic flks, grdg to sst

SANDSTONE: wh-pl gy agg, v f-f, wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mnr sil cmt

WOB: 17-28 k/bf
 RPM: 137-172
 GPM: 1052-1117
 SPP: 2857-3053 psi



SANDSTONE: wh-pl gy agg, v f-f, wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr py cry, with com wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mnr sil cmt

SHOWS (3005m-3010m): tr mod brt yel pinpoint fluor in sltst and coal mod fast blooming mod brt bl-wh cut fluor thin-wide mod brt-brt gr-bl fluor residual ring, nil vis residual

COAL : blk, frm-hd, brt bnnd, conc-planar frac

SILTSTONE: dkgy-brn gy,m brn gy, frm-hd, mod hd i/p, blk, n calc, mn pyr, tr mic flks, grd to sst

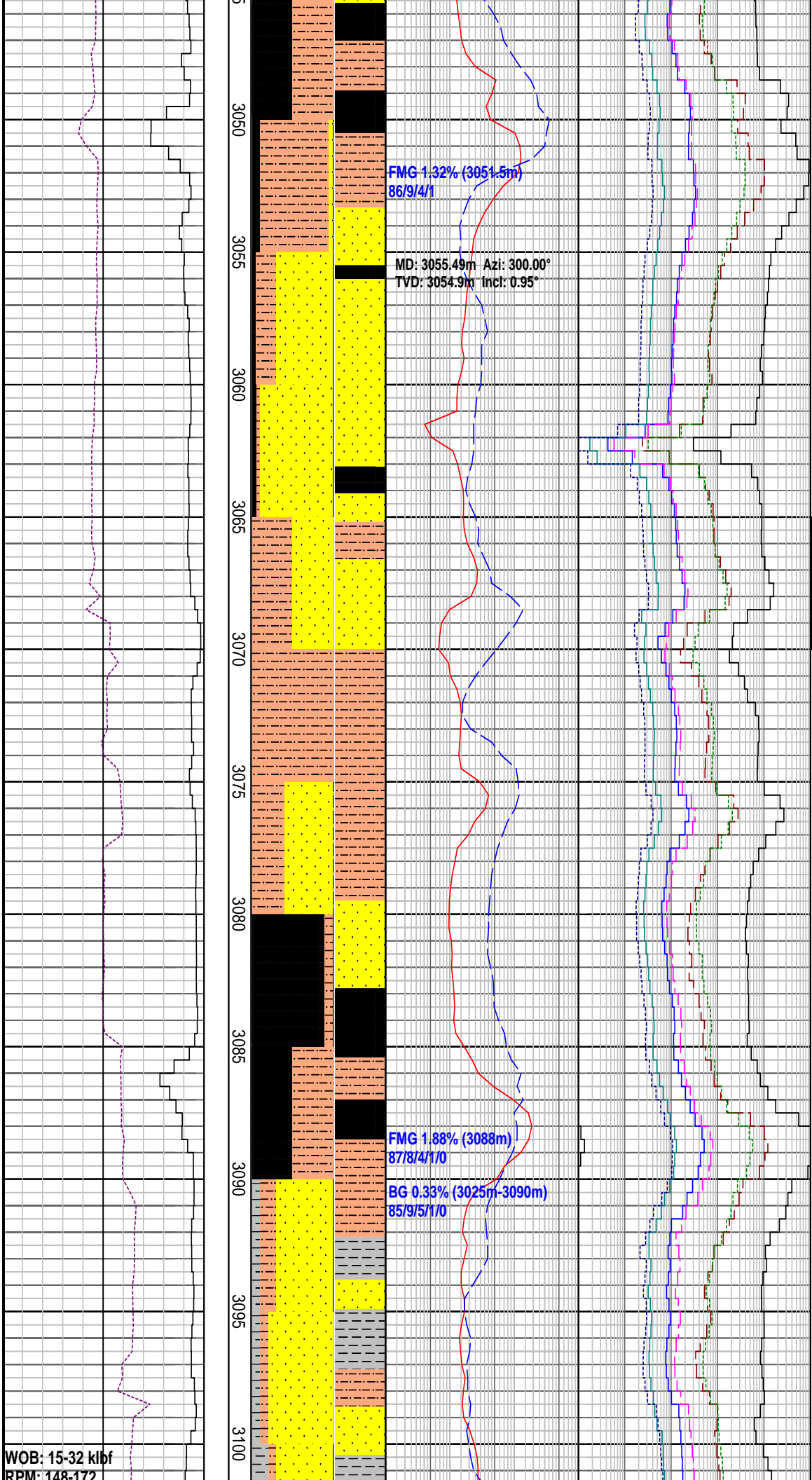
COAL : blk, frm-hd, brt bnnd, conc-planar frac

SANDSTONE: wh-pl gy agg, v f-f, wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr pyr cry, with mn wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz in com slty mtrx, mn sil cmt

COAL : blk, frm-hd, brt bnnd, conc-planar frac

SANDSTONE: wh-pl gy agg, v f-f, wl srt sbrndd qtz gr, tr fspr, tr musc flks, tr pyr cry, with mn wh-pl gy m sst agg, wl srt, sbang-sbrndd qtz com slty mtrx, mn sil cmt, tr carb

COAL : blk, frm-hd, brt bnnd



COAL : blk, frm-hd, brt bnnd,
conc-planar frac

SILTSTONE: dk brn-brn blk, frm-hd
blky, argi to carb, tr c seg, mnr pyr

SILTSTONE: dk brn-brn blk, frm-hd
blky, argi to carb, n calc, tr c seg, mnr
pyr

SANDSTONE: wh-pl gy agg, v f-f, wl
srt sbrndd qtz gr, tr fspr, tr musc flks,
tr pyr cry, with mnr wh-pl gy m sst
agg, wl srt, sbang-sbrndd carb mtrx,
mod to hd Dol cmt, tr coal

SHOWS (3065m-3070m): 5% v dull
grsh yel pinpoint fluor in f sst v
slow blooming v dull bl wh cut
fluor, thin dull bl wh fluor residual
ring, nil vis residue

MW: 10.0 ppg	FV: 48
PV: 19	YP: 36
Gels: 12/21/26	pH: 9.0

COAL : blk, frm-hd, brt bnnd,
conc-planar frac

SILTSTONE: dk brn-brn blk, frm-hd,
blky, argi to carb, n calc, tr c seg, mnr
pyr

CLAYSTONE: lt-m gy, mod sft,
sbbkly-blky, sli sil, tr mic flks, tr carb
flks, mod calc

CLAYSTONE: lt-m gy, mod sft,
sbbkly-blky, sli sil, tr mic flks, tr carb

RFM: 1140-112
GPM: 1115-1150
SPP: 2989-3079 psi

3105
3110
3115
3120
3125
3130
3135
3140
3145
3150
3155

MD: 3114.92m Azi: 294.09°
TVD: 3114.3m Incl: 0.94°

BG 0.19% (3090m-3120m)
88/5/5/2/0

sbbly blk, srt sh, tr mic flks, tr carb flks, mod calc

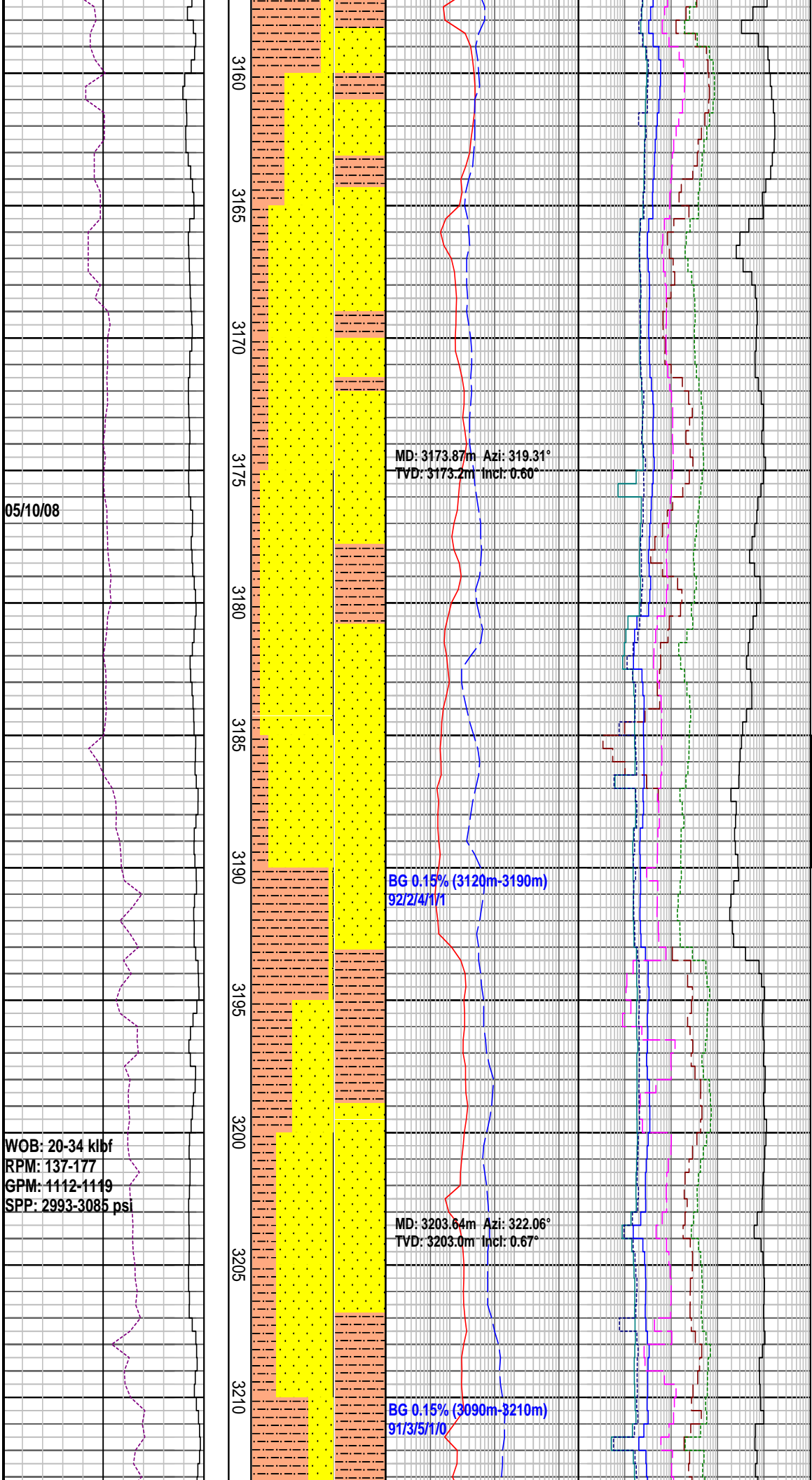
CLAYSTONE: lt-m gy, mod sft, sbbly-blky, sli sil, tr mic flks, tr carb flks, mod calc

SANDSTONE: lse f-granule dom crs (upper) mod srt sbrndd qtz gr, tr flds, tr musc flks, tr pyr cry, wh-pl gy f-m sst agg, wl srt, sbang-sbrndd qtz in com slty carb mtrx, tr pyr cmt tr carb frag, pr vis por, mnr sft wh rock flour inf to be sst, tr coal

SHOWS (3125m-3130m):tr v dull grsh yel pinpoint fluor in f sltst v slow blooming v dull bl wh cut fluor, thin mod brt bl wh fluor residual ring, nil vis residue

SANDSTONE:lse f-granule dom crs pr srt sbang qtz gr, tr flds, tr musc flks, rr wh-pl gy f-m sst agg, mod srt, subang-sbrndd qtz in com slty carb mtrx, mod sil cmt

SANDSTONE:lse f-granule dom crs (lower) pr srt sbang qtz gr, tr flds, tr musc flks, rr wh-pl gy f-m sst agg, mod srt, subang-sbrndd qtz in com slty carb mtrx, mod sil cmt, fri-fr tr carb frag, pr vis por, mod abund sft wh rock flour inf- from sst, tr coal.



SILTSTONE: dk brn-brnsh blk, frm-hd, blk, arg-carb, tr v f sd i/p, tr coal frag, tr pyr clay

MW: 10.0 ppg	FV: 49
PV: 19	YP:39
Gels: 14/23/29	pH: 9.0

SANDSTONE:wh-lt gy, m gy, lse f-granule dom crs (lower) pr srt sbang qtz gr, tr crs gr, tr flds, tr musc flks, r wh-pl gy f-m sst agg, mod srtd, subang-sbrndd qtz in com slty carb mtrx, mod sil cmt, fri-frm, tr carb frag, pr vis por, mod abund sft wh rock flour inf- from sst, tr coal.

MW: 10.0 ppg	FV: 48
PV: 16	YP:40
Gels: 20/26/30	pH: 8.5

SILTSTONE: dk brn-brnsh blk, frm-hd, blk, arg-carb, tr v f sd i/p, tr coal frag, tr pyr clay

SANDSTONE:wh-lt gy, m gy, lse f-granule dom crs (lower) pr srt sbang qtz gr, tr crs gr, tr flds, tr musc flks, r wh-pl gy f-m sst agg, mod srtd, sbang-sbrndd qtz in com slty carb mtrx, mod sil cmt, fri-frm, tr carb frag, pr vis por, mod abnd sft wh rock flour inf- from sst, tr coal.

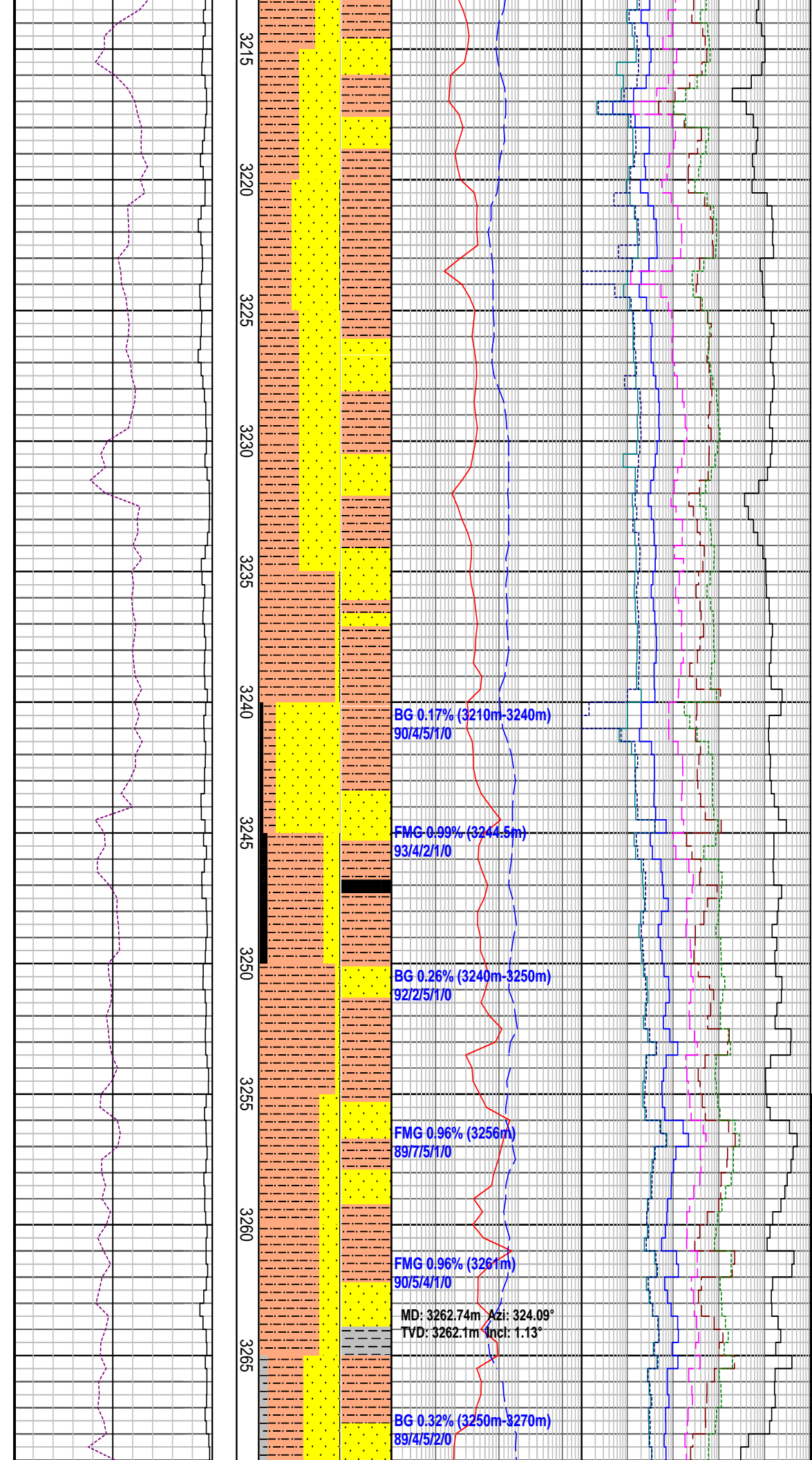
SHOWS (3185m-3190m): tr brt grsh yel pinpoint fluor in f sltst slow blooming mod brt bl wh cut fluor, wide mod brt bl wh fluor residual ring, v pl yel vis residue

SANDSTONE:pl gy-wh, lse f-m sd, wl srt,sbang-sbrndd qtz, tr fspr, tr mic, tr coaly frag, frm-hd agg, with slty mtrx

SILTSTONE: dk brn gy, frm-hd, blk, arg-carb, tr v f sd, tr carb frag, mnr-com pyr clay

05/10/08

WOB: 20-34 klf
RPM: 137-177
GPM: 1112-1119
SPP: 2993-3085 psi



SANDSTONE: pl gy-wh, lse f-m sd, wl srt, sbang-sbrndd qtz, tr fspr, tr mic, tr coaly frag, frm-hd agg, with slty mtrx, mod sil cmt, tr pyr

SILTSTONE: dk brn gy, frm-hd, blk, arg-carb, tr v f sd, tr carb frag, mnrc-com pyr clay

COAL : blk, frm-hd, brt bnnd, conc-planar frac

SANDSTONE: pl gy-wh, lse f-m sd, wl srt, sbang-sbrndd qtz, tr felds, tr mic, tr coaly frag, frm-hd agg, with slty mtrx, mod sil cmt, tr pyr, tr titanite

SILTSTONE: dk brn gy, frm-hd, blk, arg-carb, tr v f sd, tr carb frag, mnrc-com pyr clay

MW: 10.0 ppg	FV: 48
PV: 16	YP: 43
Gels: 14/26/30	pH: 8.5

SANDSTONE: pl gy-wh lse f-crs, dom m lower sand, mod-wl srt, sbang-sbrndd qtz, tr fspr, tr mic, tr coaly frag, mod abund frm-hd m sand agg with slty mtrx, mod sil cmt, mnrc-wh-pl gy rock flour interpreted to be derived from sst

SHOWS (3255m-3265m): mod brn gn-yel associated with m sst, slow-mod fast blooming, dull-mod brt bl-wh cut with wide faint bl-wh residual ring

SHOWS (3265m-3270m): tr mod brn gn-yel associated with wh gn rock flour (sst), v slow to mod slow blooming bl wh cut flour. Dull and patchy bl wh ring

