



**Scale 1:200 Imperial
Measured Depth Log**

Well Name: NRC 27C-4HZ
Location: Weld County, CO.
License Number: 05123389970000
Spud Date: 4/5/2014
Surface Coordinates: 295'FSL & 690'FEL, SEC 09, T1N-R67W
Region: DJ Basin
Drilling Completed: 5/1/2014
Bottom Hole Coordinates: 460'FNL & 1040'FEL, SEC 04, T1N-R67W
Ground Elevation (ft): 5046' **K.B. Elevation (ft):** 5062'
Logged Interval (ft): 7650' **To:** 17383' **Total Depth (ft):** 17383'
Formation: Codell
Type of Drilling Fluid: Water Base Mud Vertical / Oil Base Mud Horizontal

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Anadarko Petroleum Corporation
Address: Granite Tower
1099 18th St., Suite 1800
Denver, CO 80202

GEOLOGIST

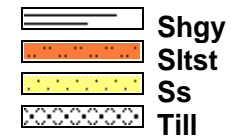
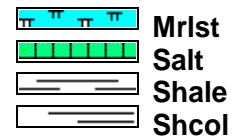
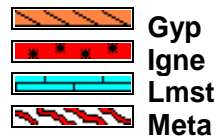
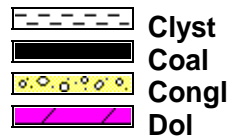
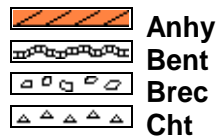
Name: Scott Crozier / Ben Thompson
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

Cores

DSTs

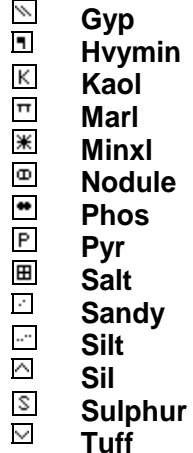
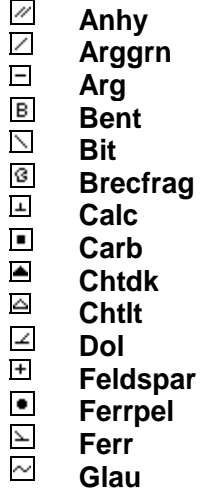
Comments

ROCK TYPES

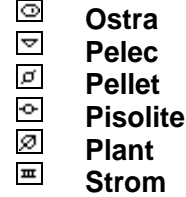
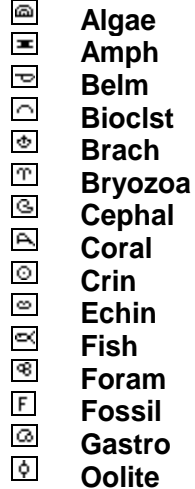


ACCESSORIES

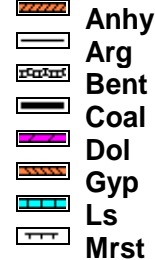
MINERAL



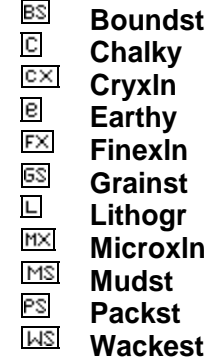
FOSSIL



STRINGER










TEXTURE



OTHER SYMBOLS

POROSITY

 Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint







Vuggy

SORTING

 Well
 Moderate
 Poor

ROUNDING

 Rounded
 Subrnd
 Subang
 Angular

OIL SHOW

 Even



Spotted



Ques



Dead

INTERVAL



Core



Dst

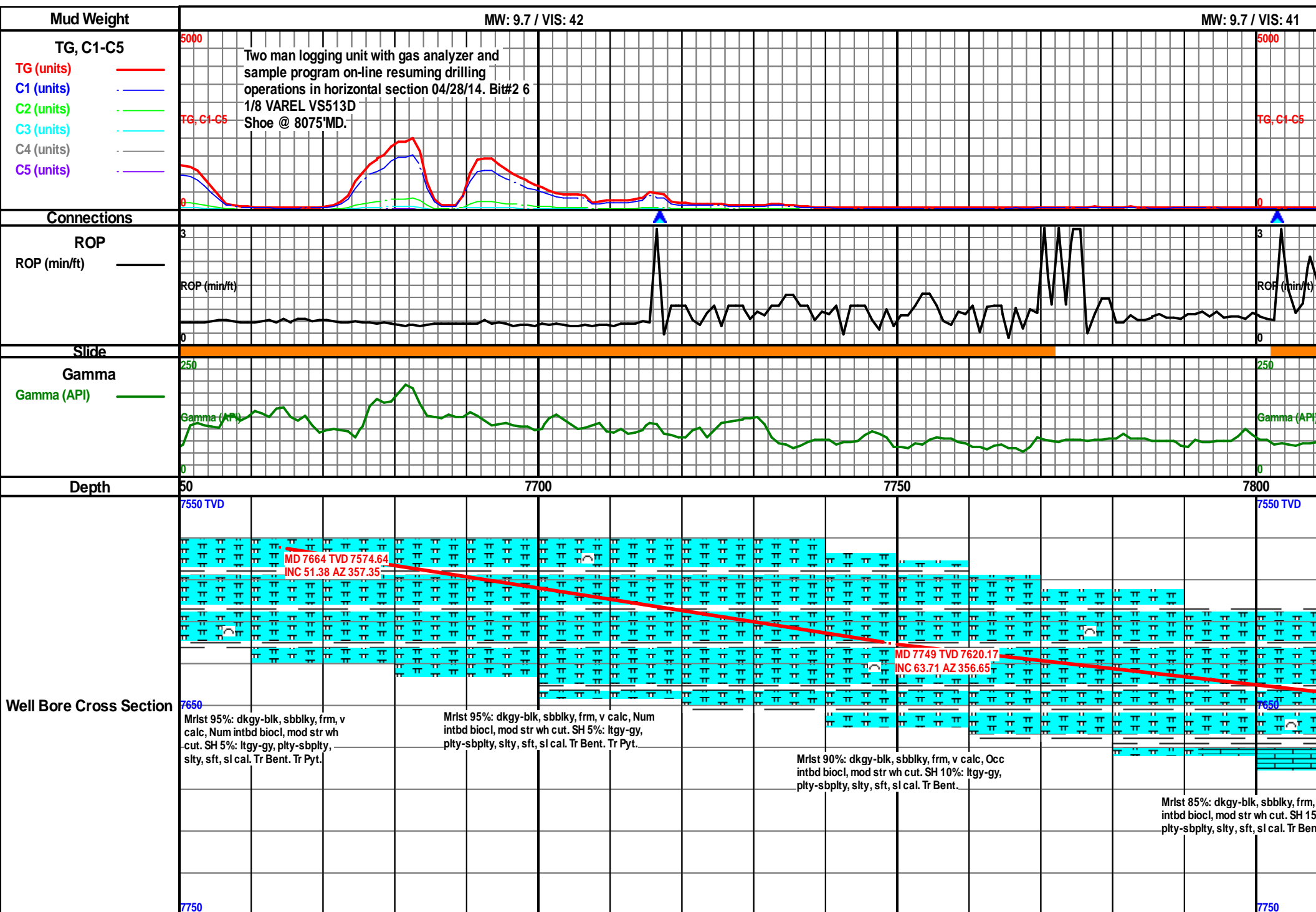
EVENT



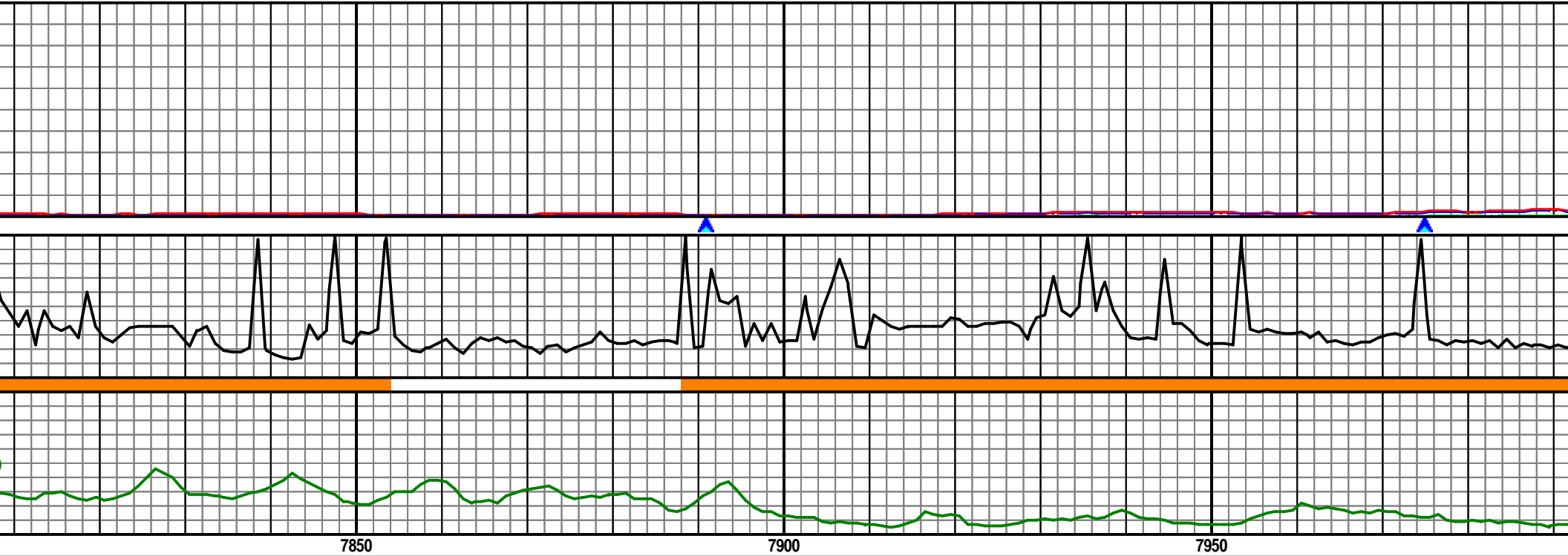
Rft



Connection



MW: 9.7 / VIS: 42



Ft Hays Top @ 7895'MD / 7309'TVD

MD 7834 TVD 7653.39
INC 70.26 AZ 356.25

MD 7919 TVD 7677.18
INC 77.21 AZ 355.66

v calc, Occ
%: ltgy-gy,
t.

Mrst 85%: dkgy-blk, sbbly, frm, v calc, Occ
intbd biocl, mod str wh cut. SH 15%: ltgy-gy,
pty-sbpty, slty, sft, sl cal. Tr Bent.

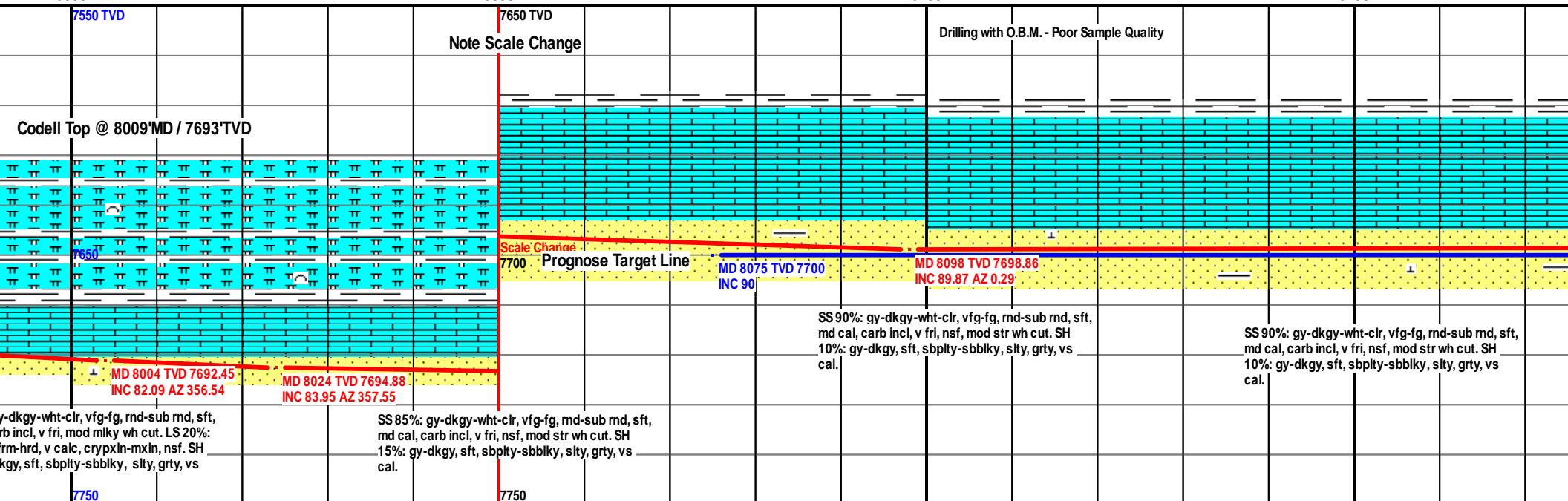
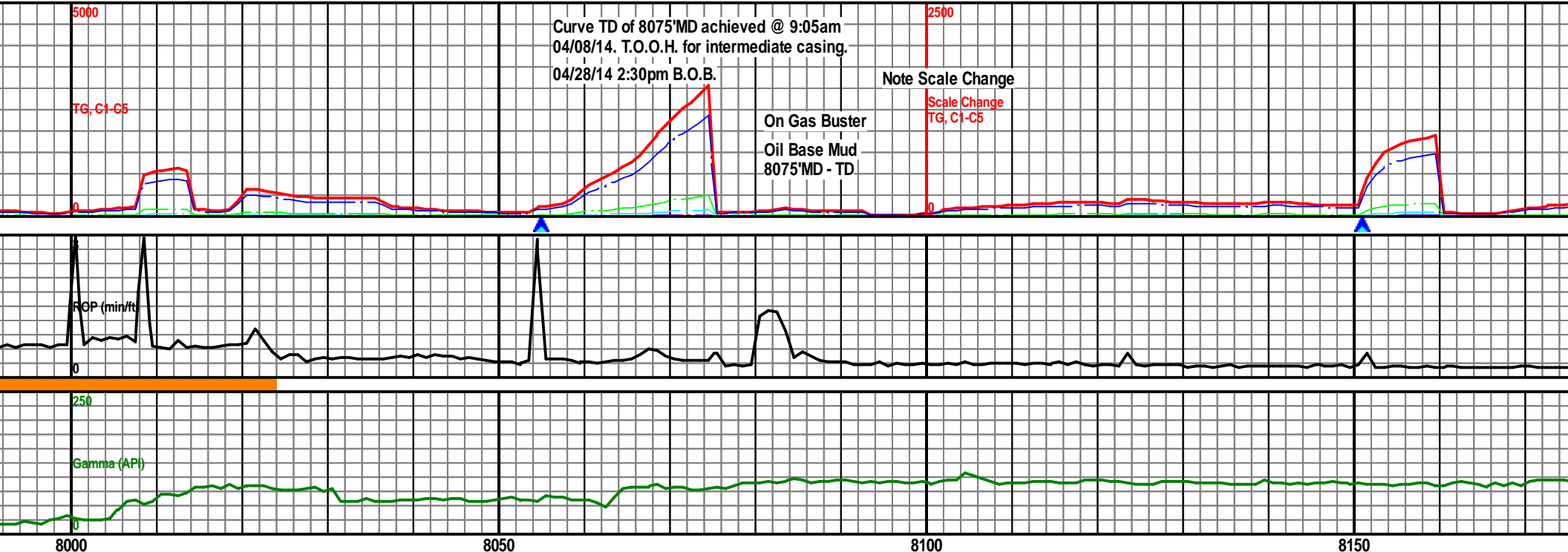
LS 80%: ltgy, blk, frm-hrd, v calc, crypxln-mxln,
nsf, mod mlky wh cut. Mrst 15%: dkgy-blk,
sbbly, frm, v calc, mod-abd intbd biocl. SH 5%:
ltgy-gy, pty-sbpty, slty, sft, sl cal.

LS 95%: ltgy, blk, frm-hrd, v calc, crypxln-mxln,
nsf, mod mlky wh cut. SH 5%: ltgy-gy,
pty-sbpty, slty, sft, sl cal.

SS 70%: gy
md cal, ca
ltgy, blk, f
10%: gy-d
cal.

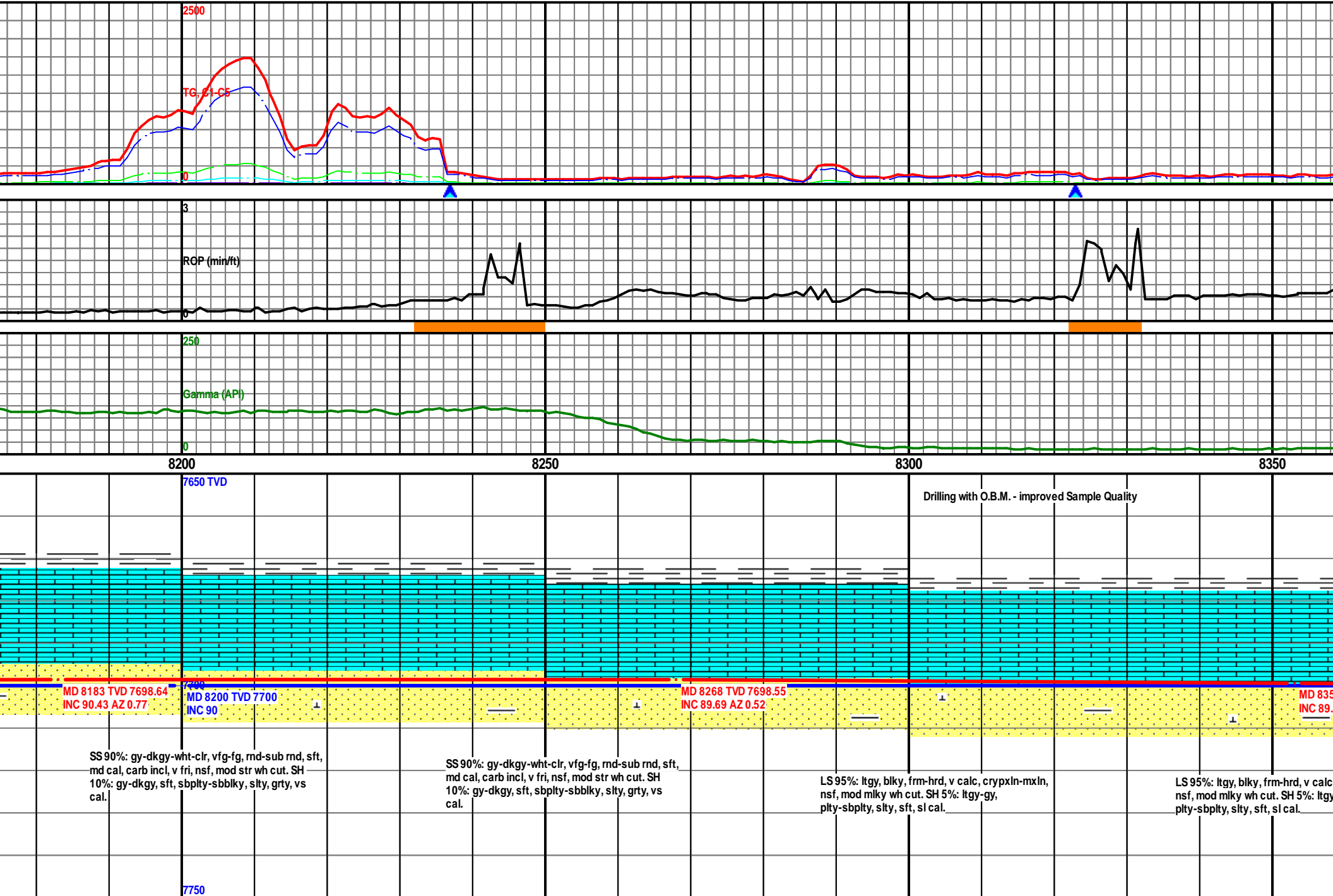
MW: 9.7 / VIS: 42

MW: 9.2 / VIS: 58



MW: 9.2 / VIS: 58

MW: 9.2 / VIS: 58



MW: 9.2 / VIS: 58

MW: 9.2 / VIS: 58

2500

TG, C1-C5

3

RGP (min/ft)

0

250

Gamma (API)

8400

8450

8500

7650 TVD

Target Change 7700'TVD - 7710TVD'

MD 8380 TVD 7700
INC 90

MD 8381 TVD 7710
INC 90

MD 8438 TVD 7700.75
INC 88.83 AZ 1.2

MD 8523 TVD 7702.96
INC 88.15 AZ 1.19

cryptin-mxin,
-gy,

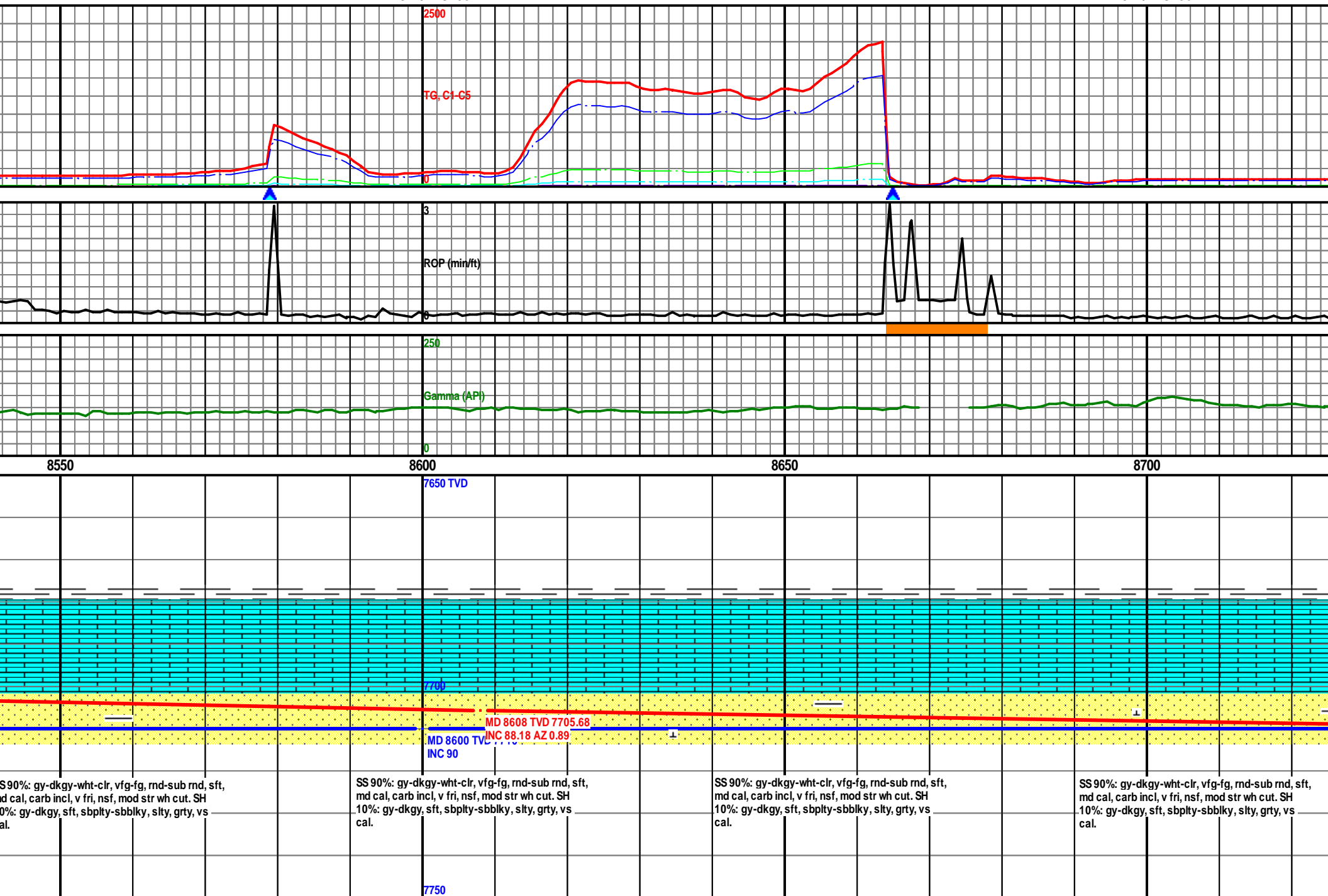
LS 95%: ltgy, blkly, frm-hrd, v calc, cryptin-mxin,
nsf, mod mlky wh cut. SH 5%: ltgy-gy,
plty-sbplty, slty, sft, sl cal.

LS 95%: ltgy, blkly, frm-hrd, v calc, cryptin-mxin,
nsf, mod mlky wh cut. SH 5%: ltgy-gy,
plty-sbplty, slty, sft, sl cal.

SS 70%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, mod mlky wh cut. LS 20%:
ltgy, blkly, frm-hrd, v calc, cryptin-mxin, nsf. SH
10%: gy-dkgy, sft, sbplty-sbblkly, slty, grty, vs
cal.

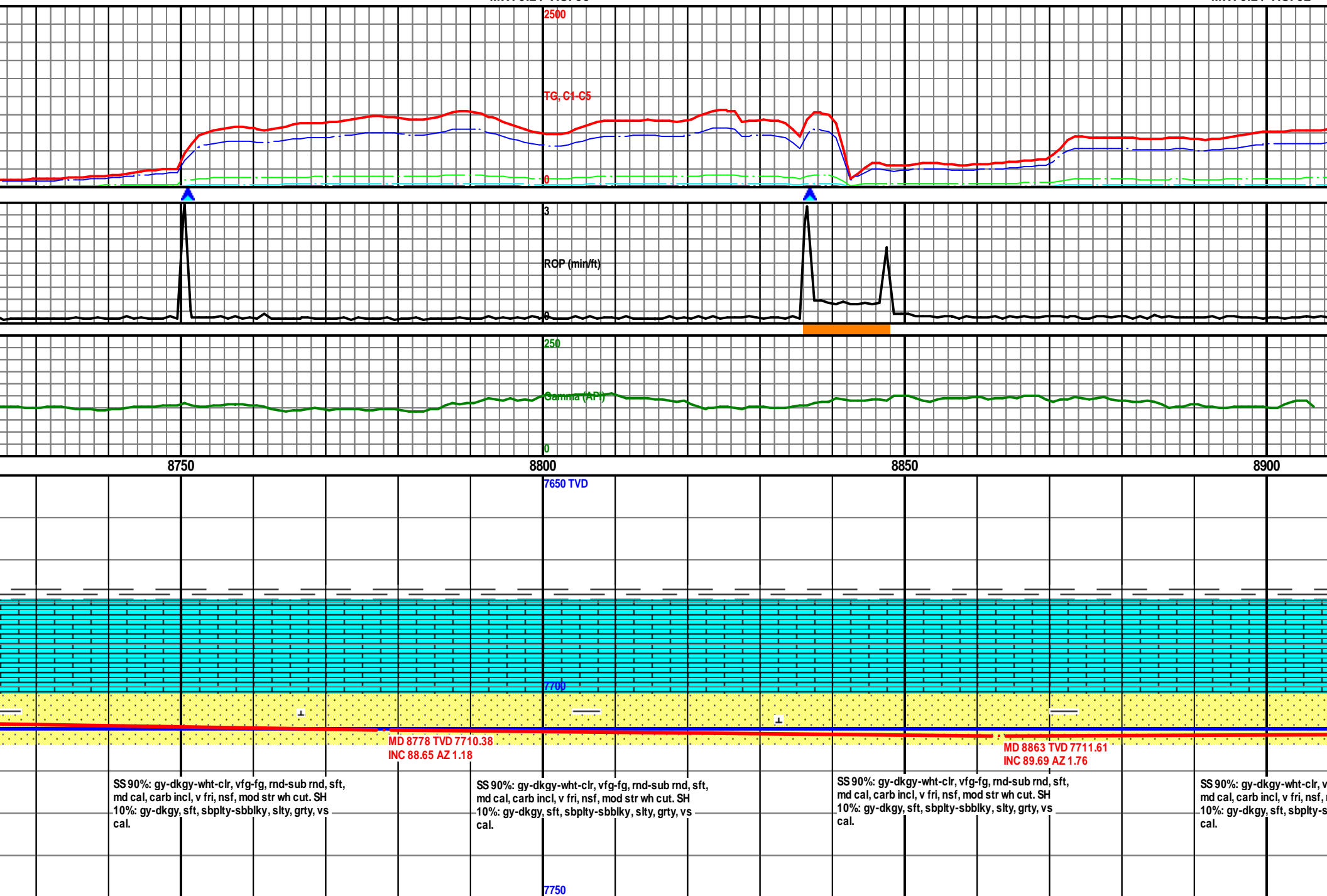
7750

MW: 9.2 / VIS: 58



MW: 9.2 / VIS: 58

MW: 9.2 / VIS: 52



MW: 9.2 / VIS: 52

04/28/14 T.O.O.H for Bit 8998'MD @
10:37pm. 04/29/14 B.O.B and
drilling ahead @ 9:15am.

2500

TG, C1-C5

RGP (min/ft)

250

Gamma (API)

0

8950

9000

9050

04/29/14 4:00am Depth @ 8998'MD

7650 TVD

7700

MD 8948 TVD 7711.15
INC 90.93 AZ 1.82

MD 9000 TVD 7710
INC 90

MD 9033 TVD 7709.9
INC 90.76 AZ 1.72

SS 85%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

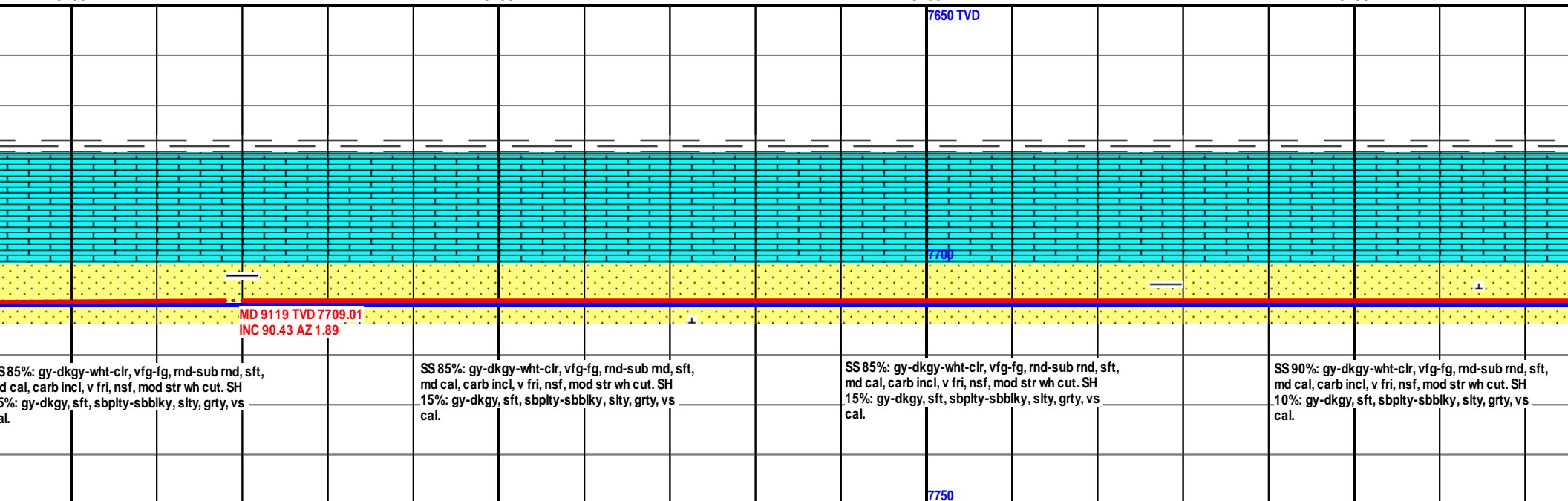
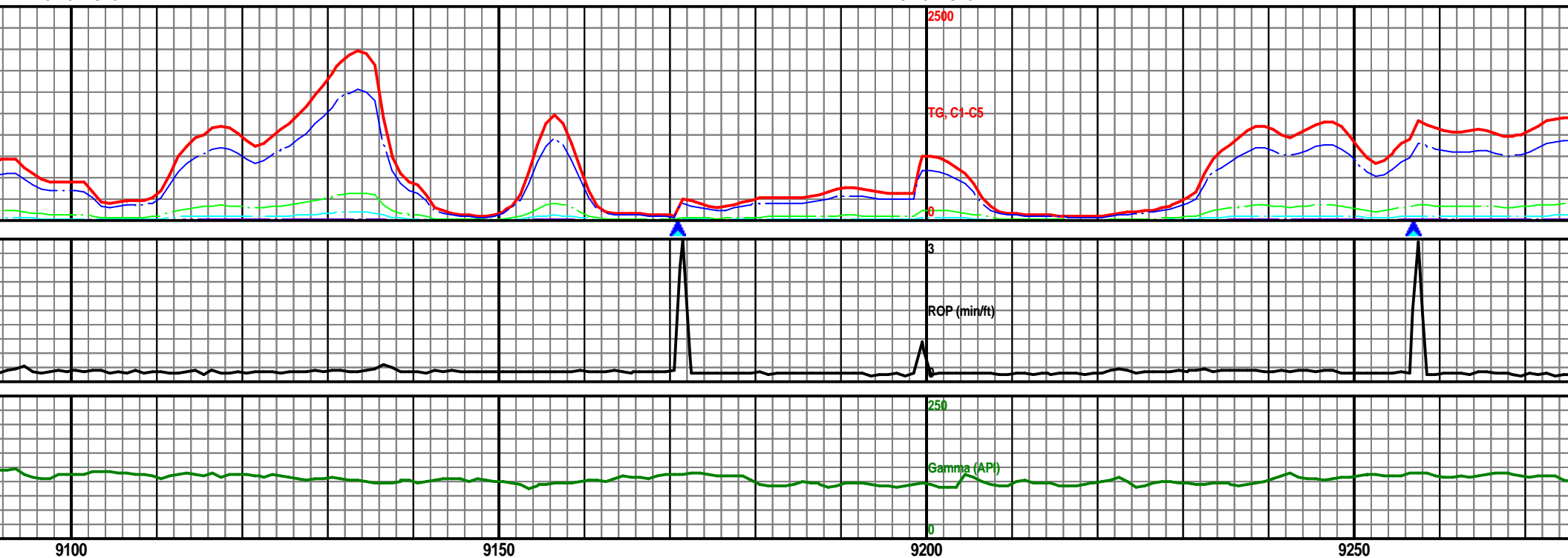
SS 85%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

SS 85%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

7750

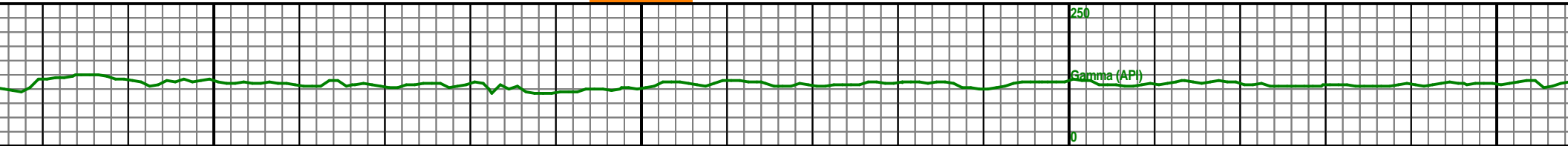
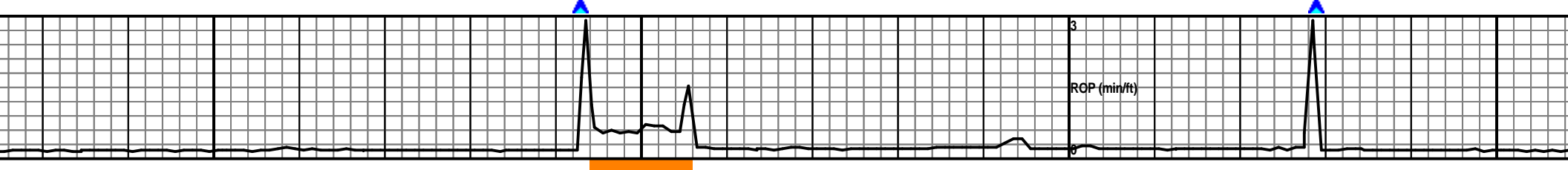
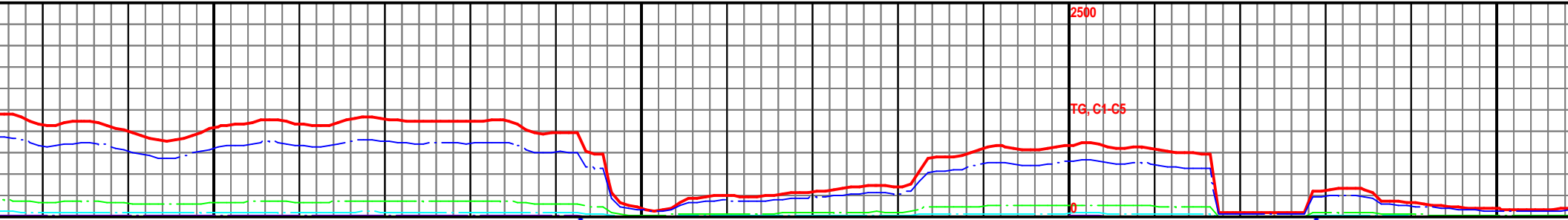
MW: 9.2 / VIS: 52

MW: 9.2 / VIS: 52



MW: 9.2 / VIS: 52

MW: 9.4 / VIS: 55

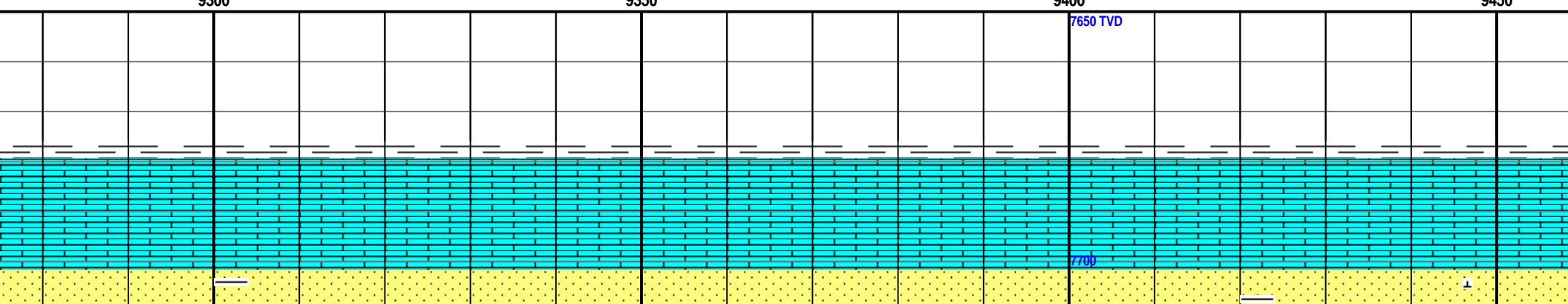


9300

9350

9400

9450



MD 9289 TVD 7709.11
INC 89.5 AZ 1.04

MD 9374 TVD 7709.46
INC 90.03 AZ 0.69

MD 9400 TVD 7710
INC 90

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

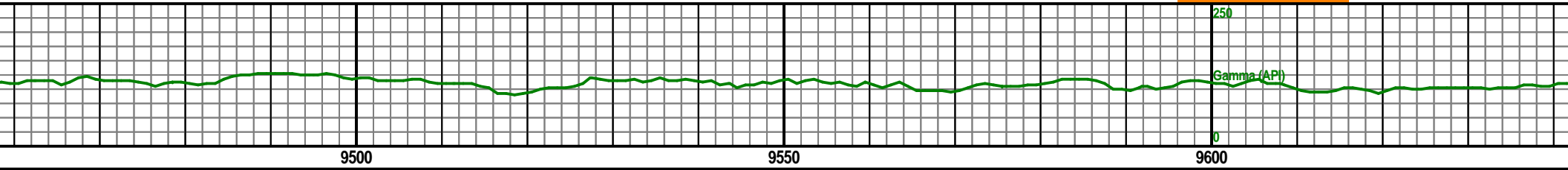
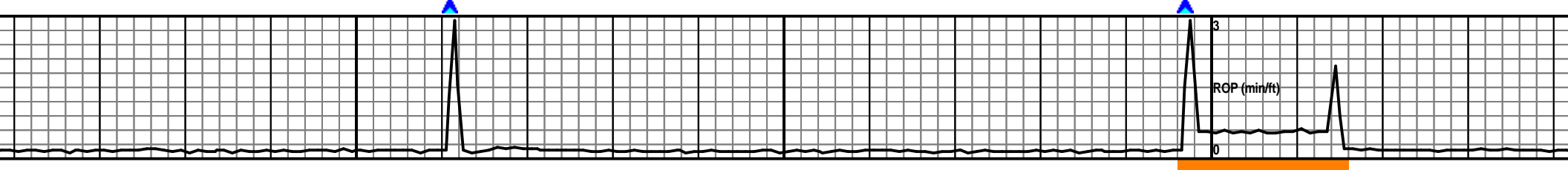
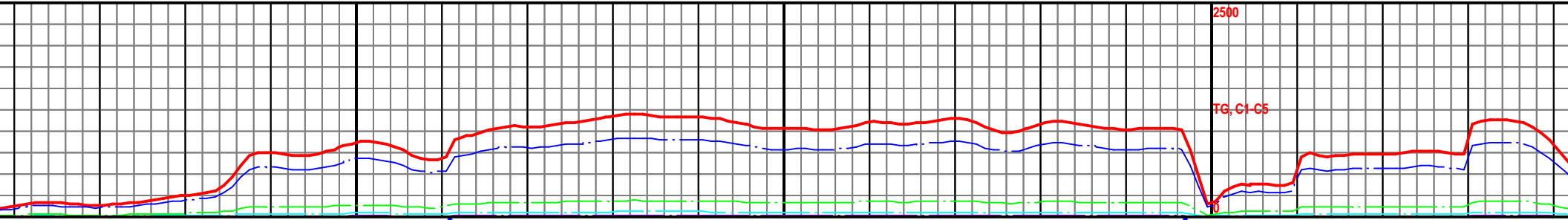
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

7750

MW: 9.4 / VIS: 55

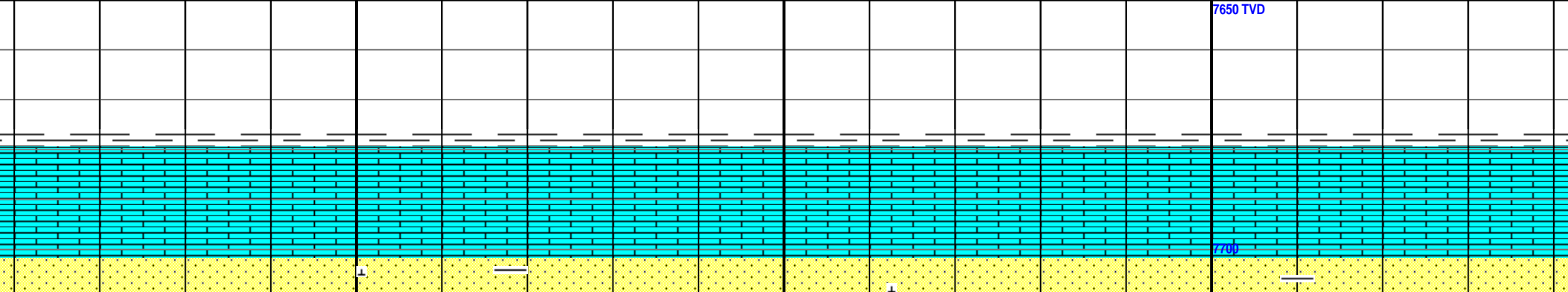
MW: 9.4 / VIS: 55



9500

9550

9600



MD 9544 TVD 7710.66
INC 89.16 AZ 0.21

MD 9629 TVD 7711.1
INC 89.84 AZ 359.9

fg-fg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH
bbiky, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbiky, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbiky, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbiky, slty, grty, vs cal.

S m 1 c

MW: 9.4 / VIS: 55

MW: 9.4 / VIS: 55

Gas Show
9815' - 103

2500

TG, C1-C5

3

RGP (min/ft)

250

Gamma (API)

0

9650

9700

9750

9800

7650 TVD

7700

MD 9800 TVD 7710
INC 90

7750

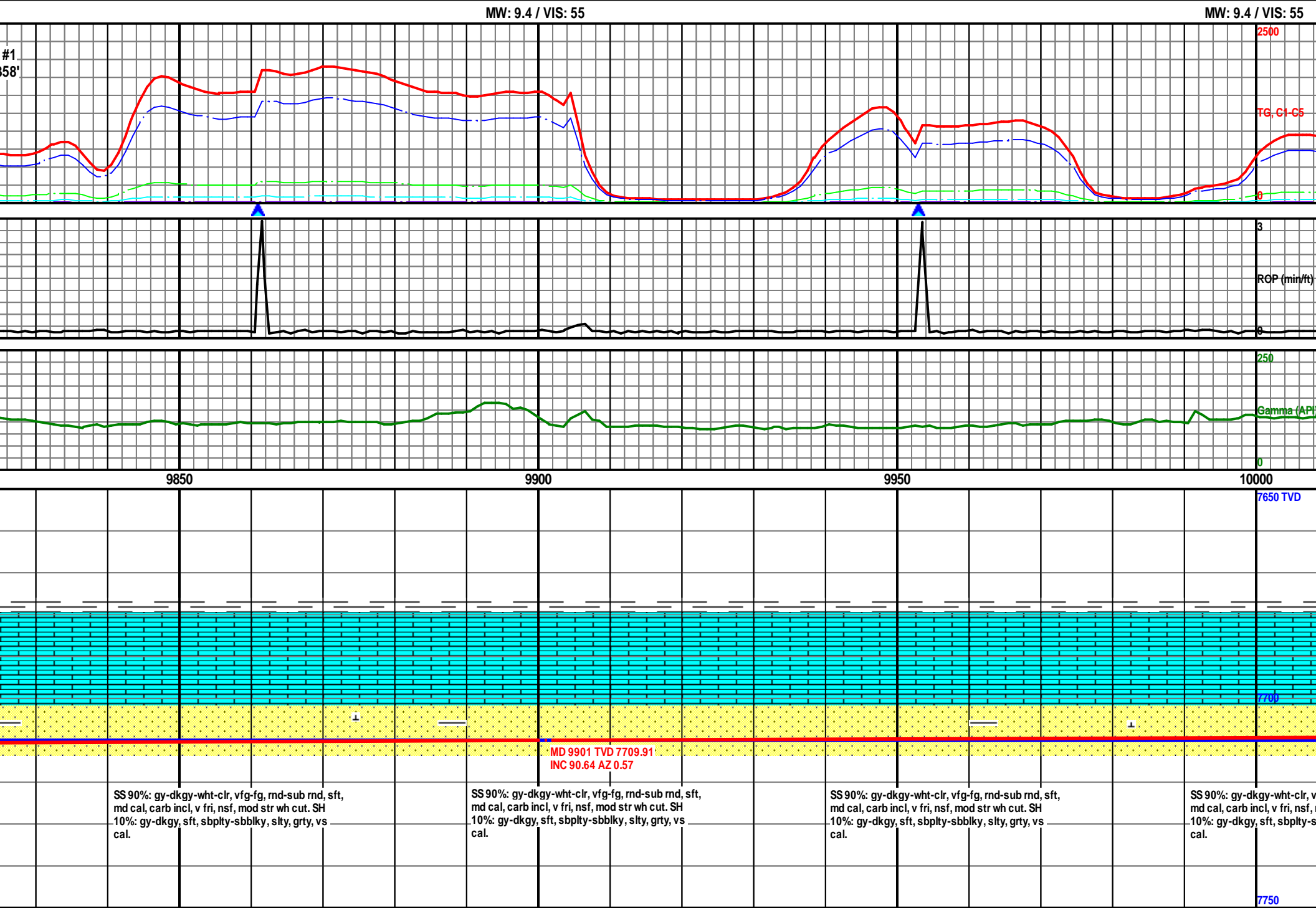
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbly, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbly, slty, grty, vs
cal.

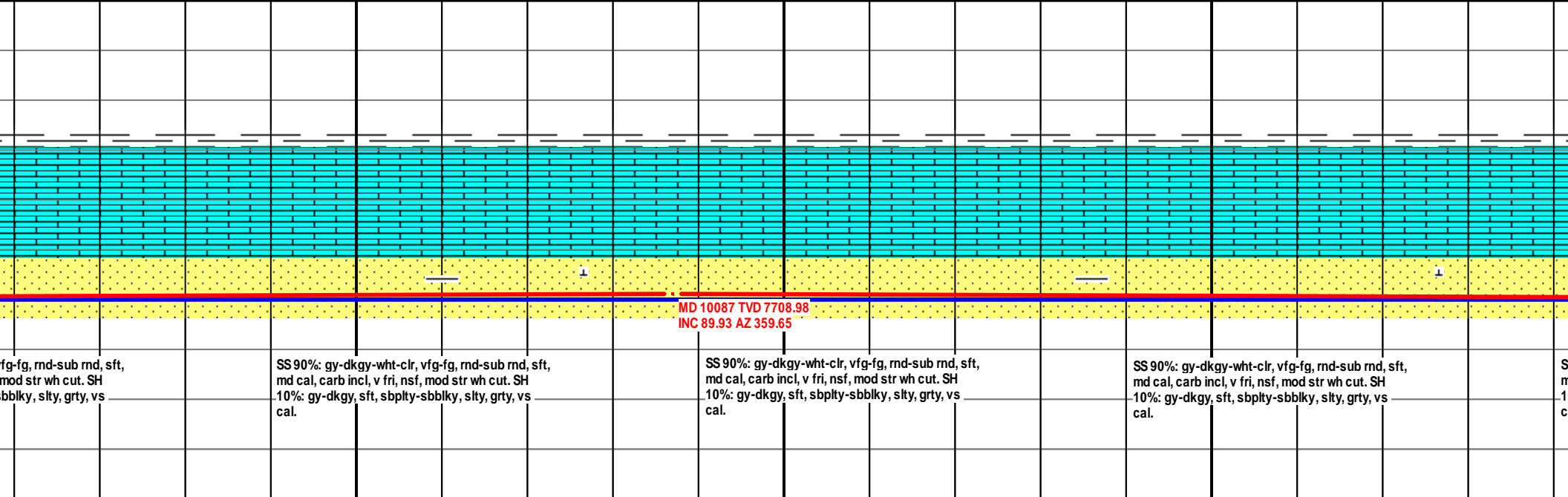
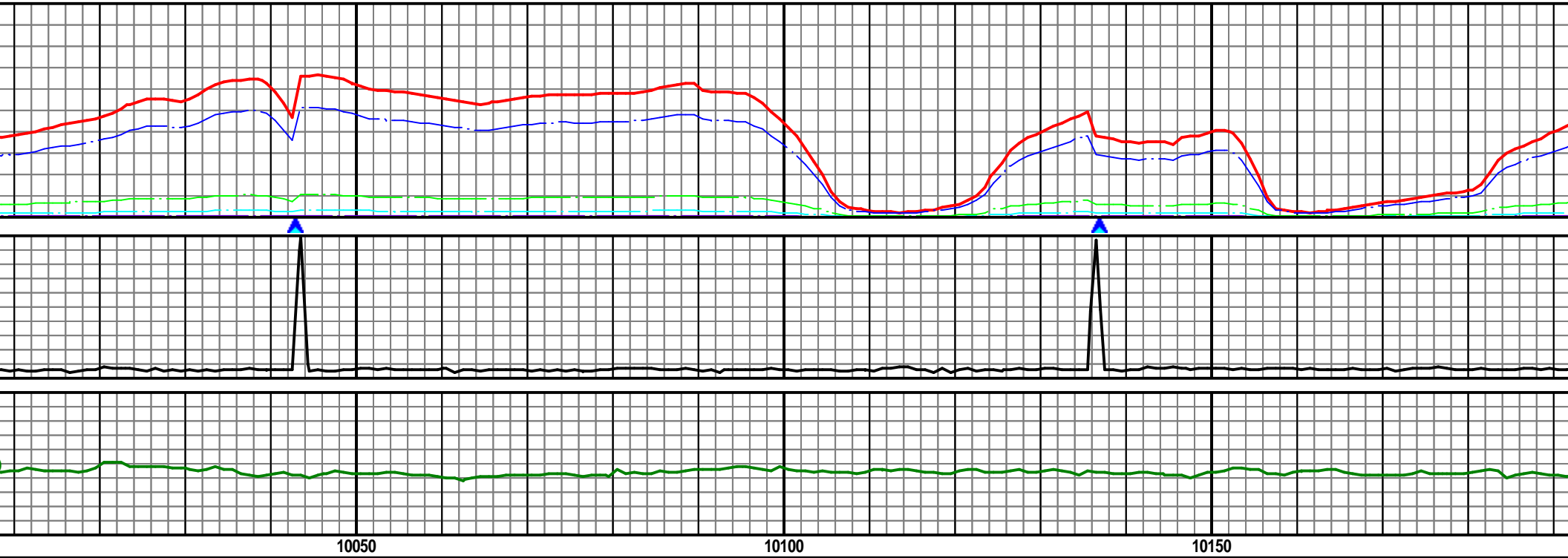
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbly, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbbly, slty, grty, vs
cal.

MD 9714 TVD 7711.34
INC 90.24 AZ 359.89

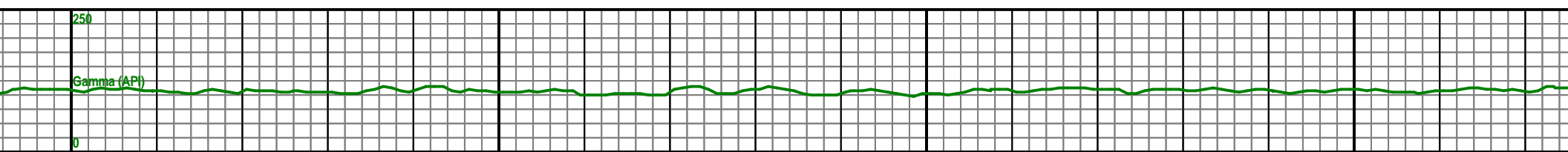
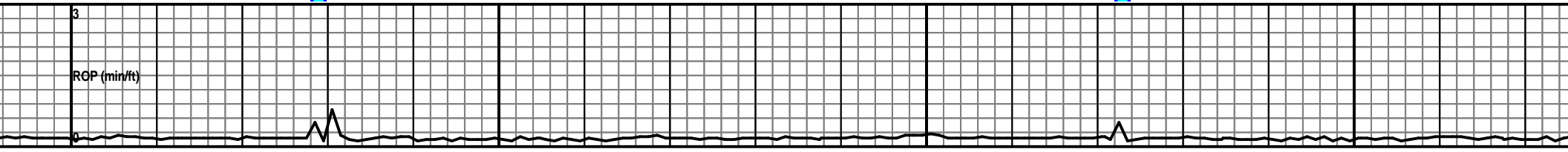
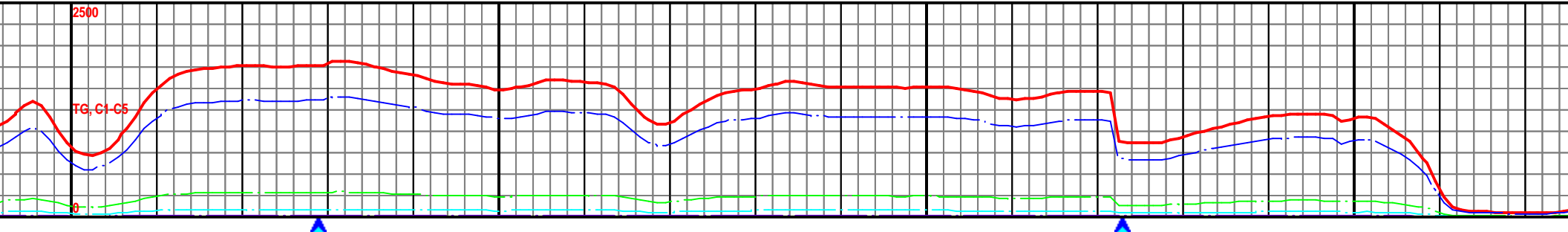


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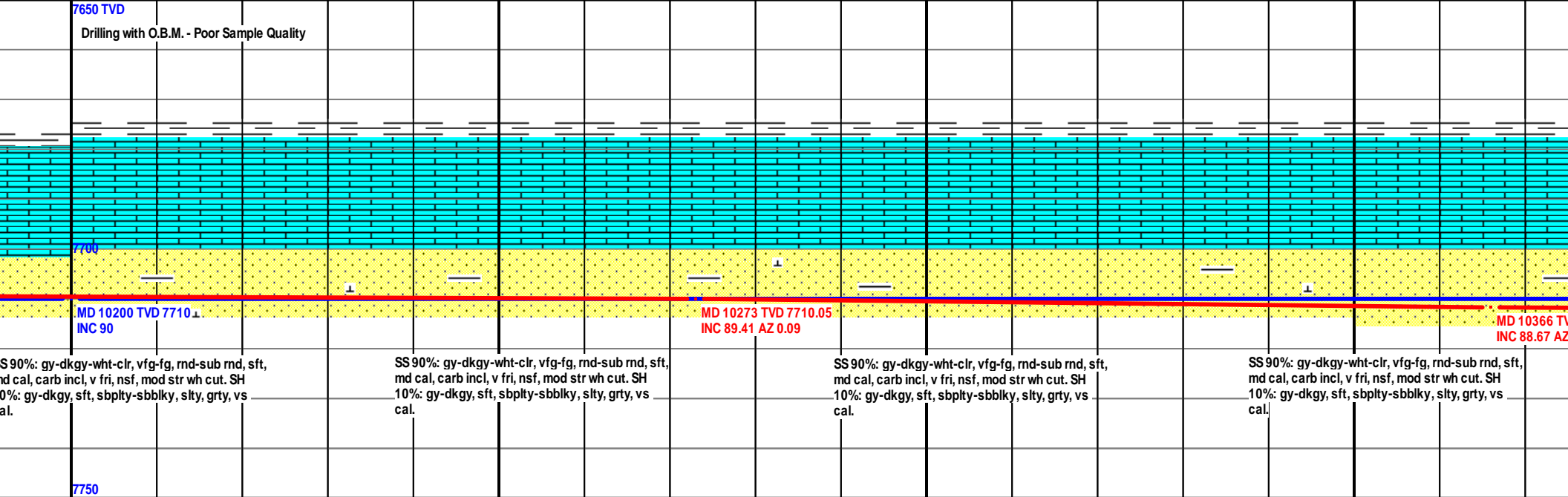


MW: 9.4 / VIS: 51

MW: 9.4 / VIS: 51

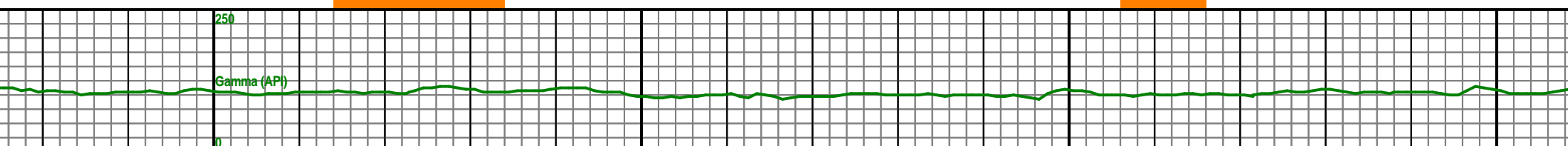
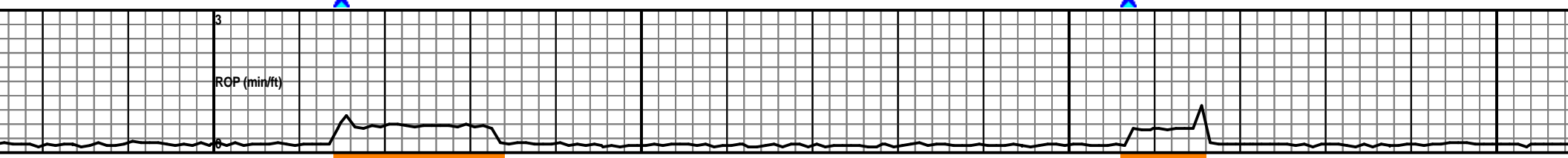
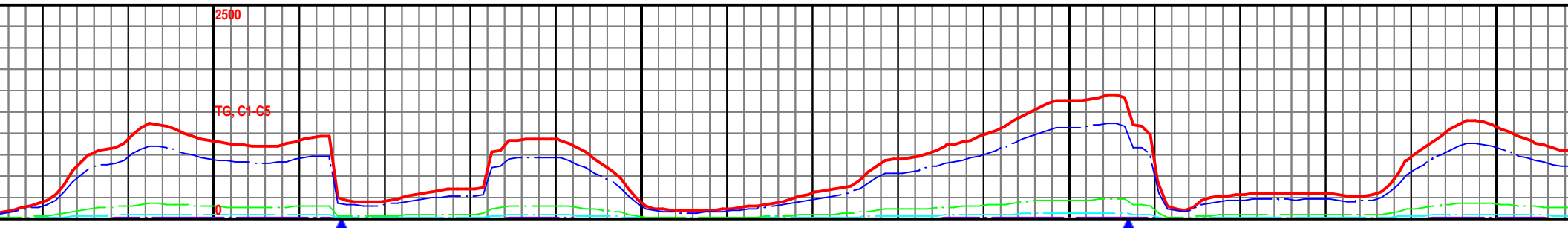


10200 10250 10300 10350

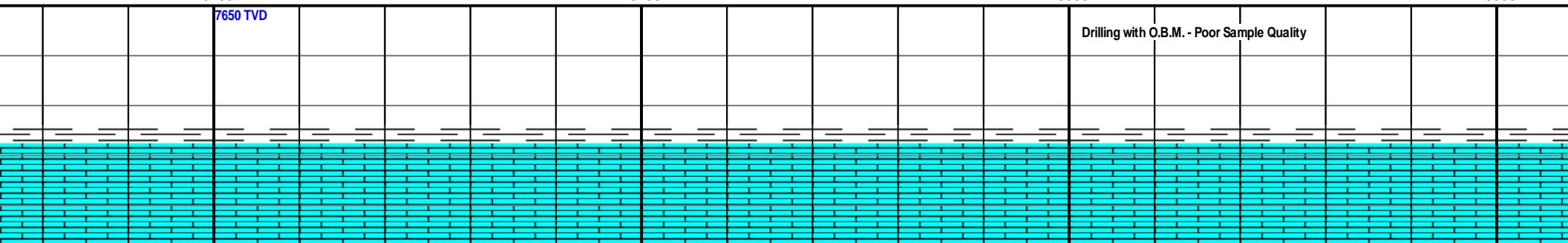


MW: 9.4 / VIS: 51

MW: 9.3 / VIS: 50



10400 10450 10500 10550



7650 TVD 7700

MD 7711.61
AZ 359.5 MD 10460 TVD 7712.52
INC 90.22 AZ 359.64

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

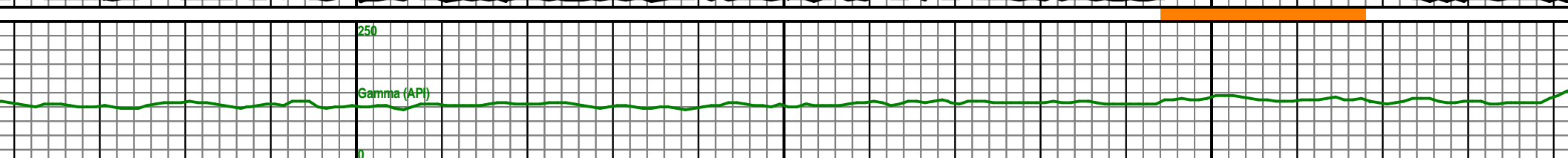
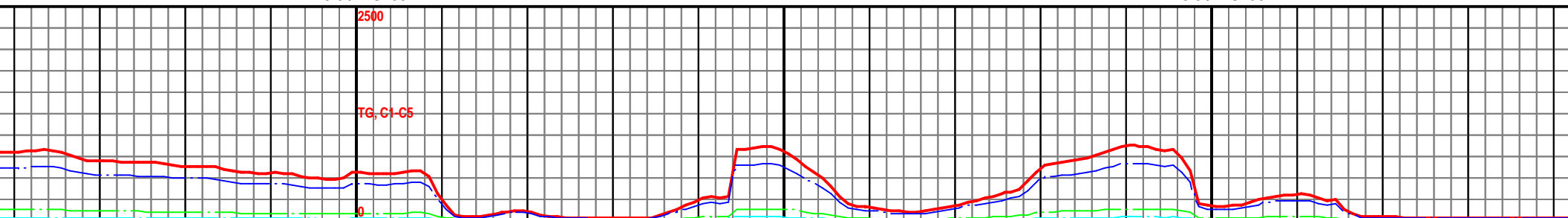
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

7750

MW: 9.3 / VIS: 50

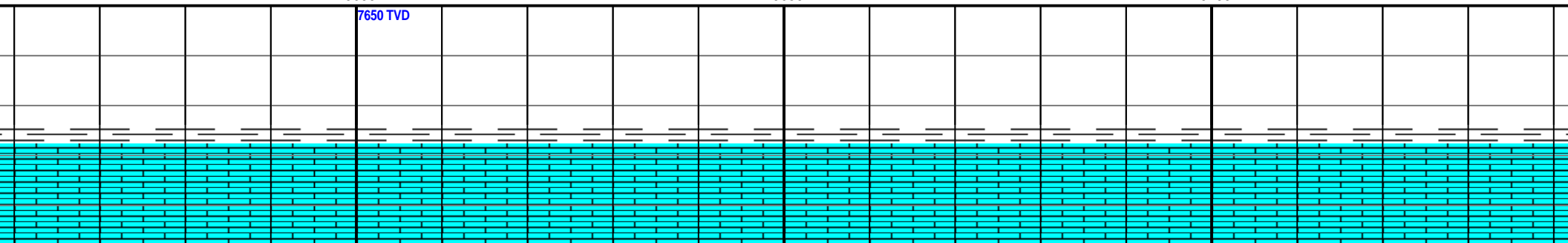
MW: 9.3 / VIS: 50



10600

10650

10700



7650 TVD

7700

MD 10600 TVD 7710
INC 90

MD 10646 TVD 7712.36
INC 89.88 AZ 357.55

md-sub rnd, sft,
str wh cut. SH
y, slty, grty, vs

SS 90%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

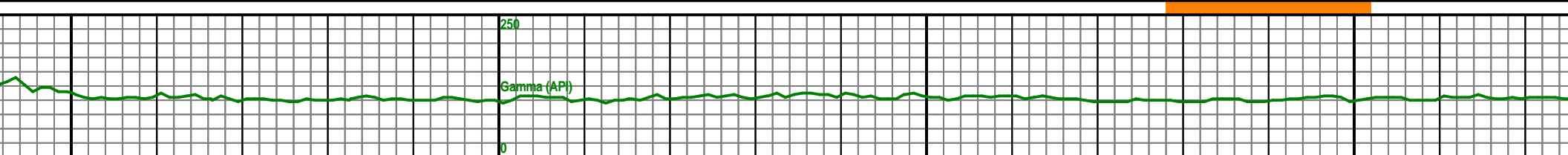
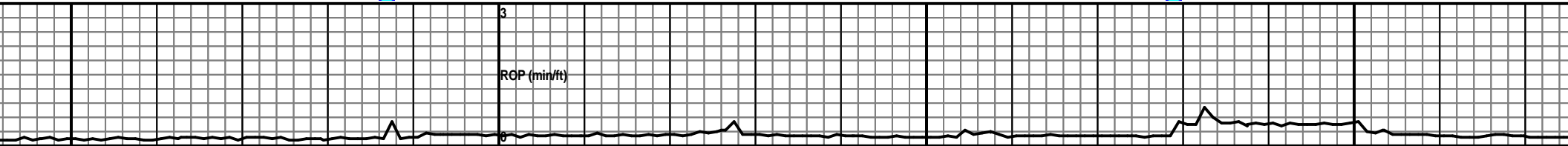
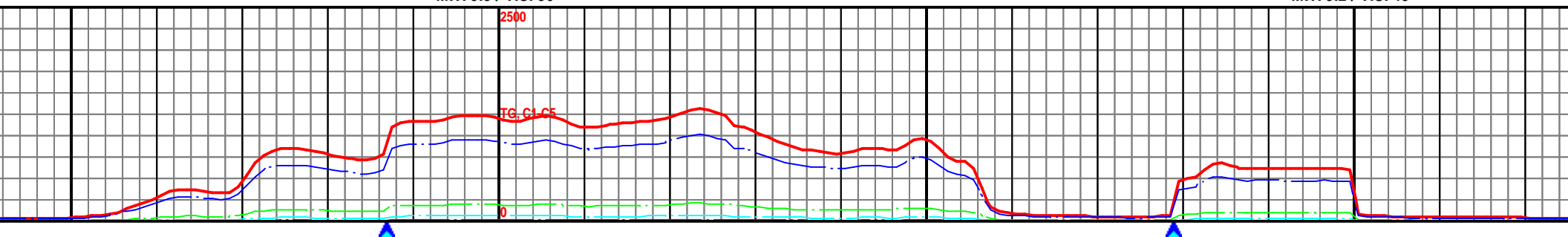
SS 90%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%
md ca
10%:
cal.

7750

MW: 9.3 / VIS: 50

MW: 9.2 / VIS: 49



10750

10800

10850

10900

7650 TVD

Drilling with O.B.M. - Poor Sample Quality

7700

%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
al, carb incl, v fri, nsf, mod str wh cut. SH
gy-dkgy, sft, sbply-sbblky, slty, grty, vs

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

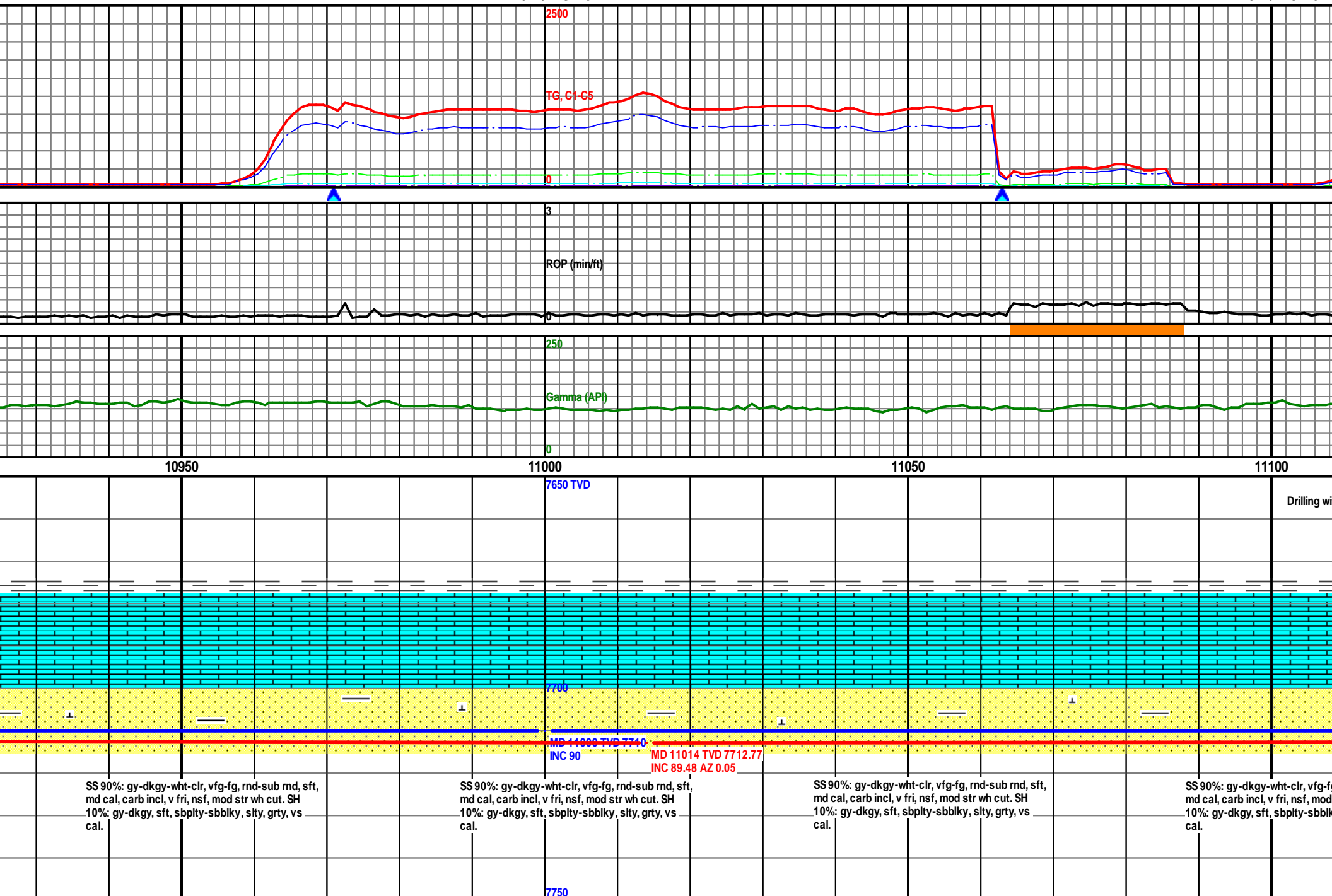
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

MD 10830 TVD 7712.24
INC 90.19 AZ 0.46

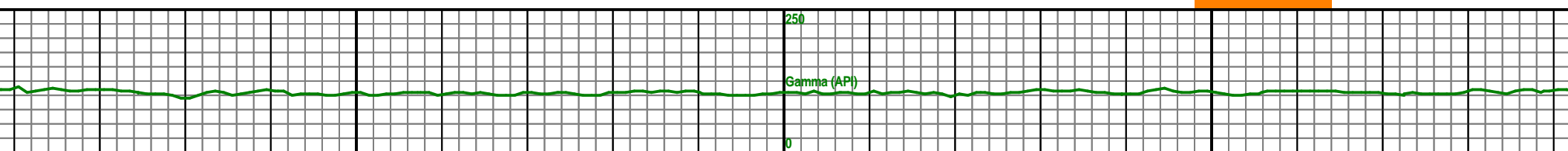
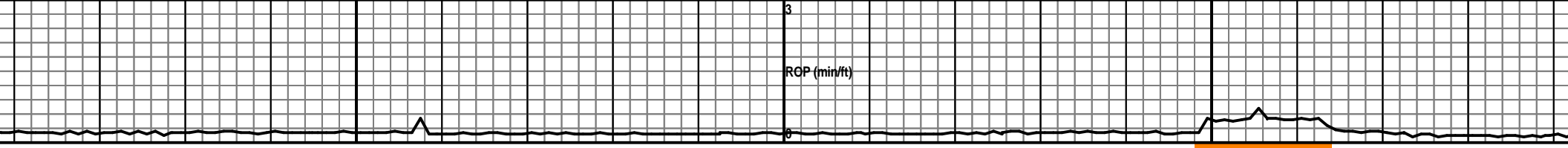
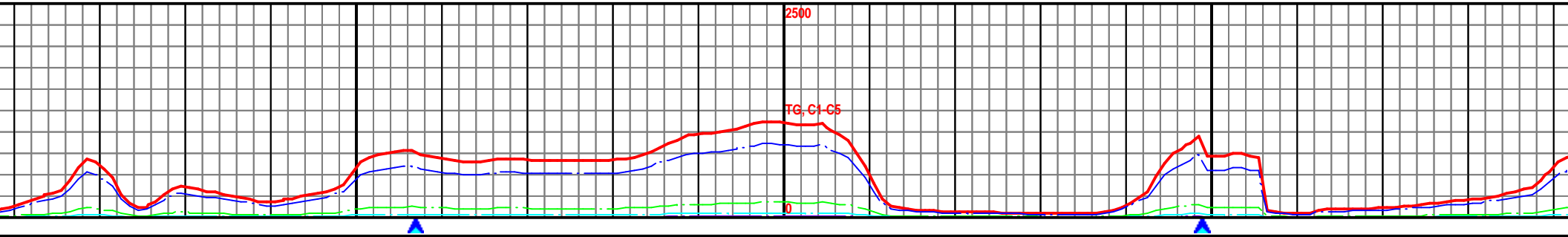
7750

MW: 9.2 / VIS: 49

MW: 9.2 / VIS: 49



MW: 9.2 / VIS: 49



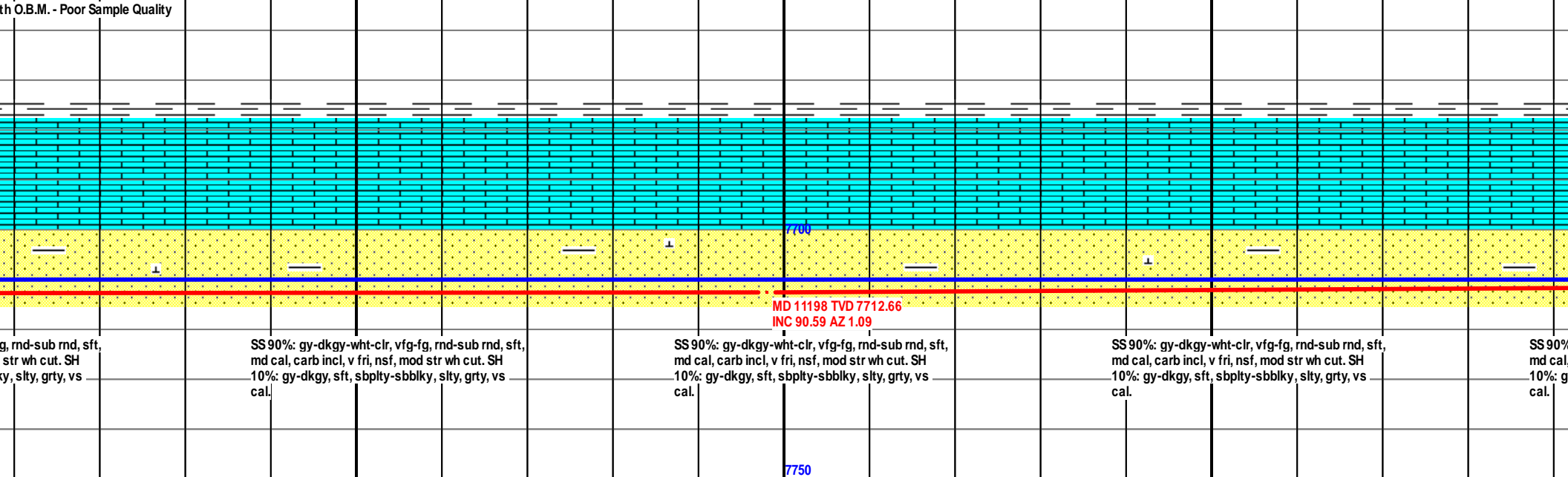
11150

11200

11250

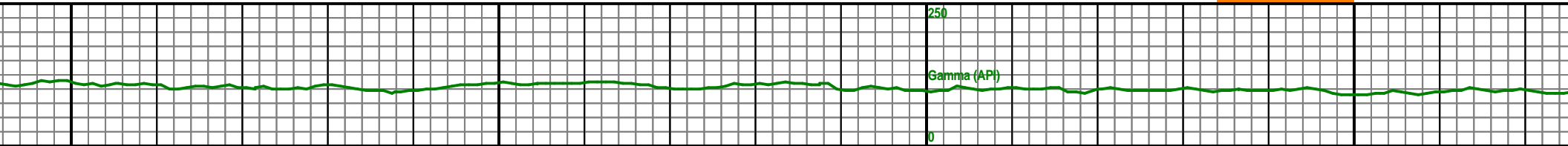
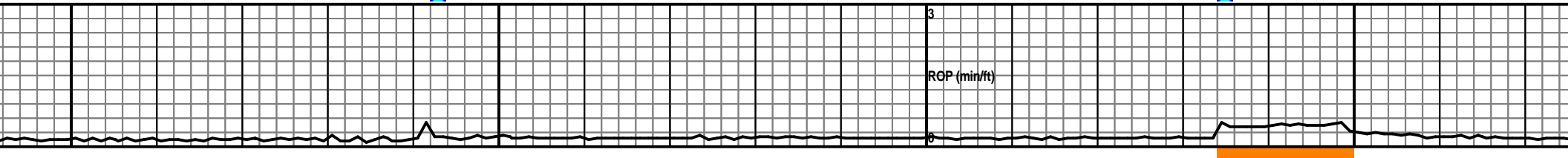
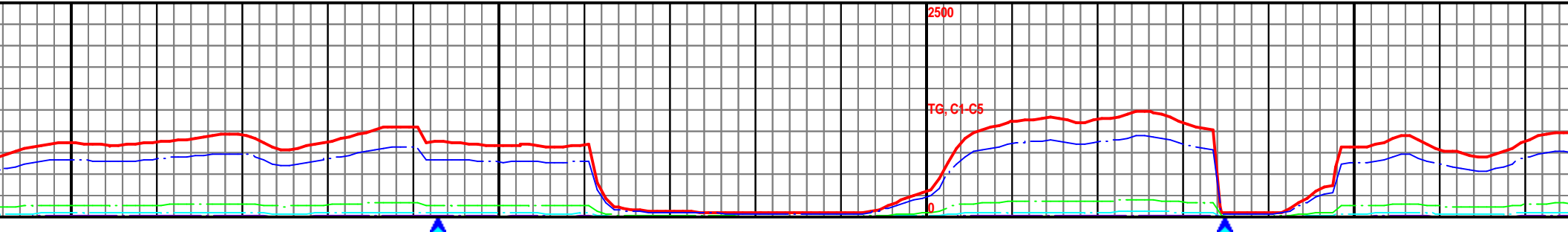
th O.B.M. - Poor Sample Quality

7650 TVD



MW: 9.2 / VIS: 49

MW: 9.2 / VIS: 49

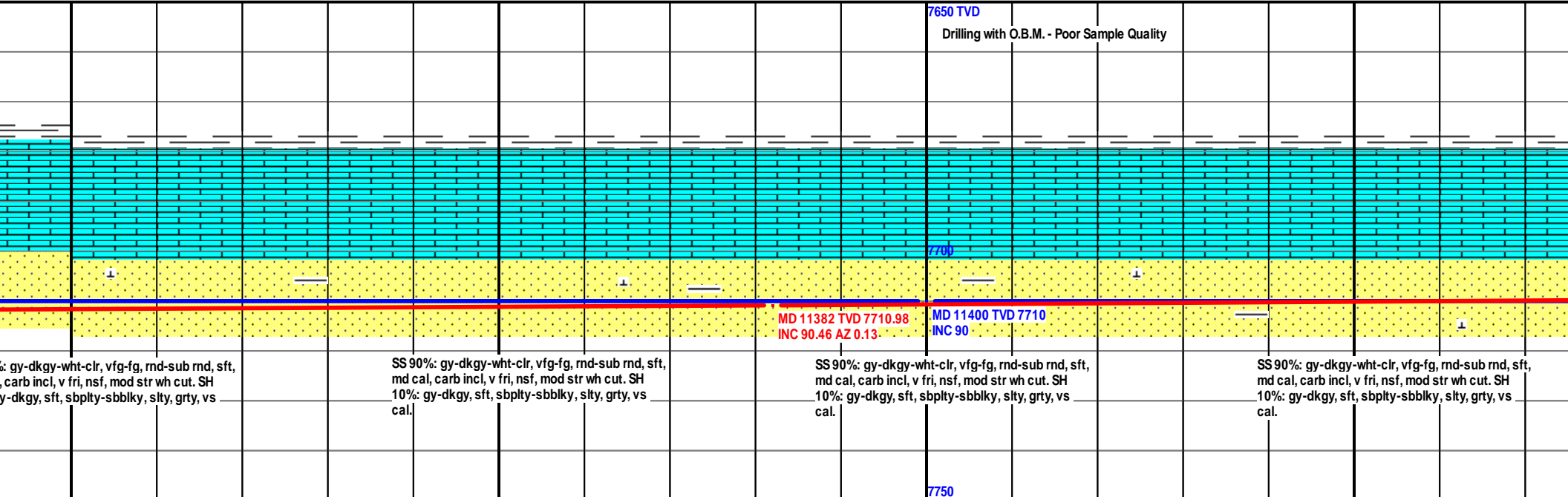


11300

11350

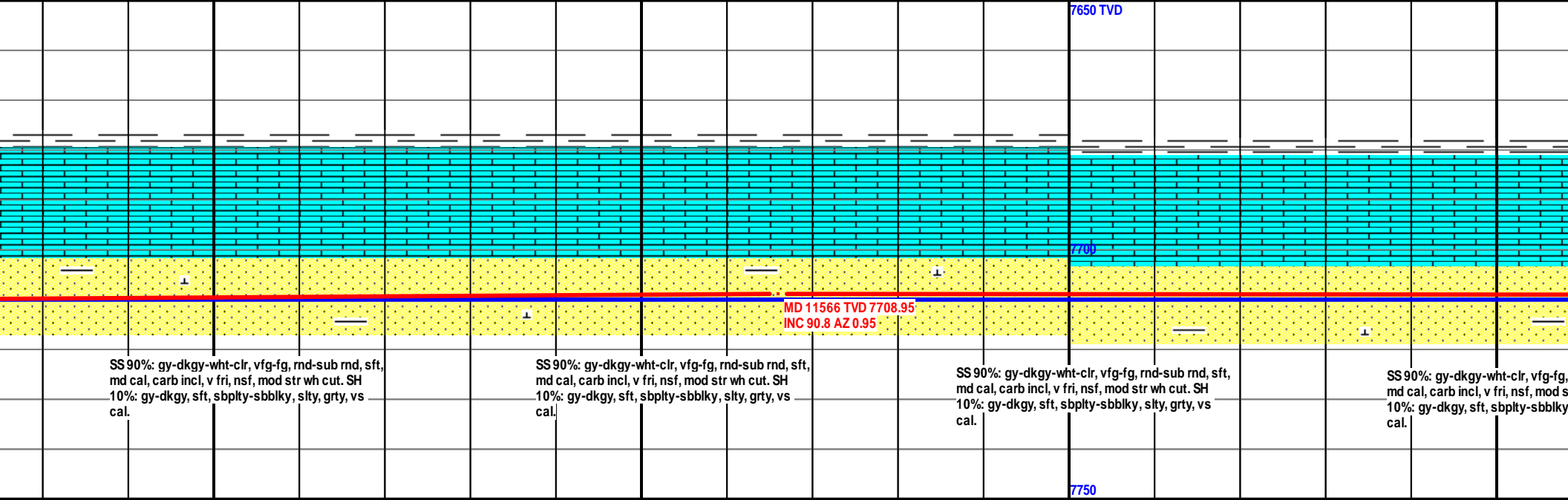
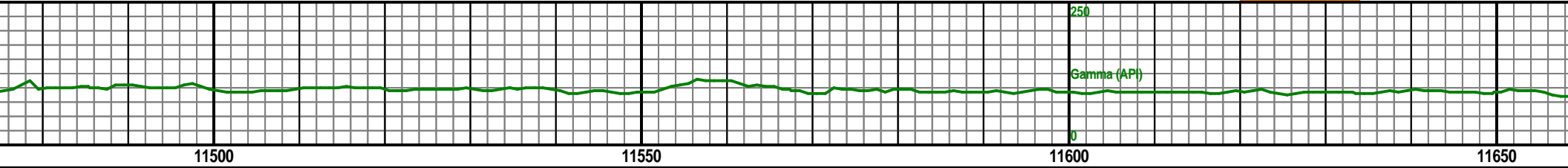
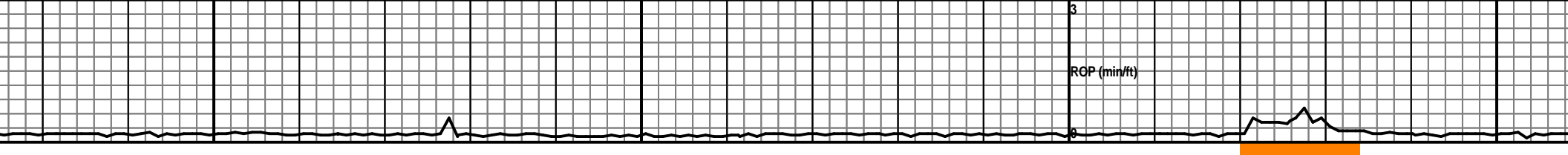
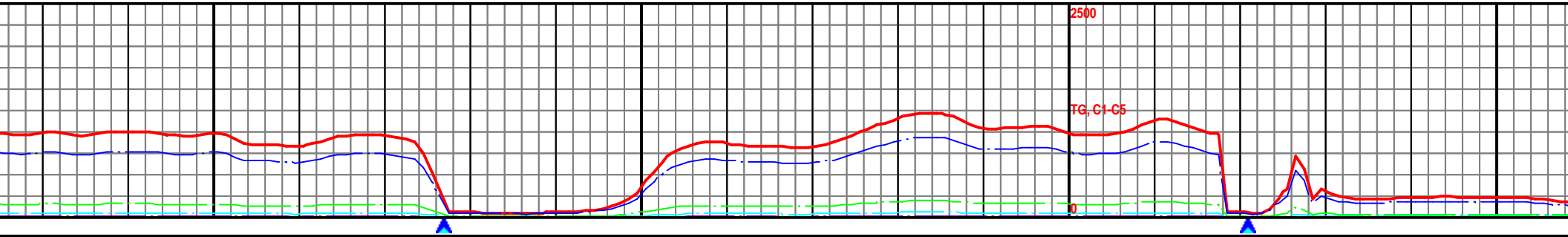
11400

11450



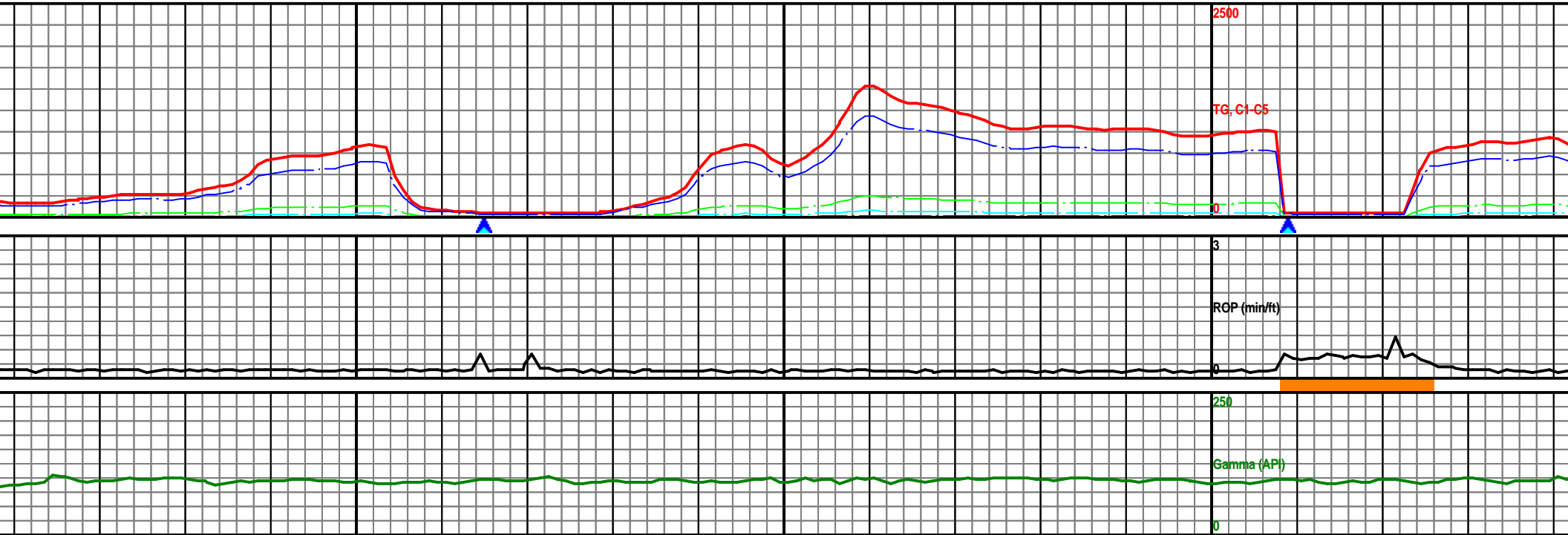
MW: 9.2 / VIS: 49

MW: 9.2 / VIS: 49



MW: 9.2 / VIS: 49

MW: 9.2 / VIS: 49



11700

11750

11800

Drilling with O.B.M. - Poor Sample Quality

7650 TVD

7700

MD 11749 TVD 7709.05
INC 89.14 AZ 359.71

MD 11800 TVD 7710
INC 90

rnd-sub rnd, sft,
str wh cut. SH
silty, grty, vs

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

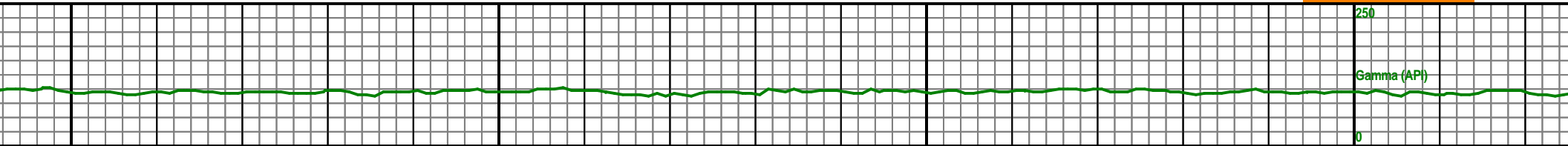
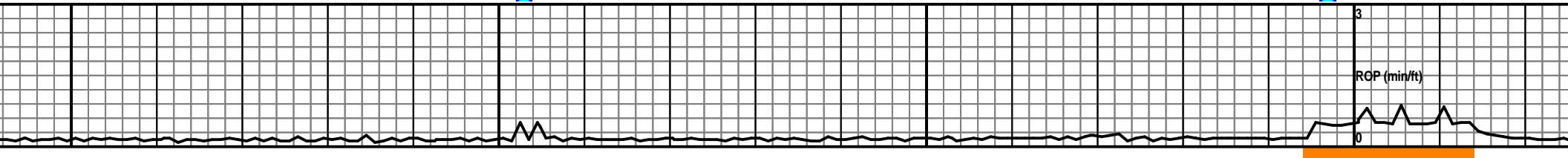
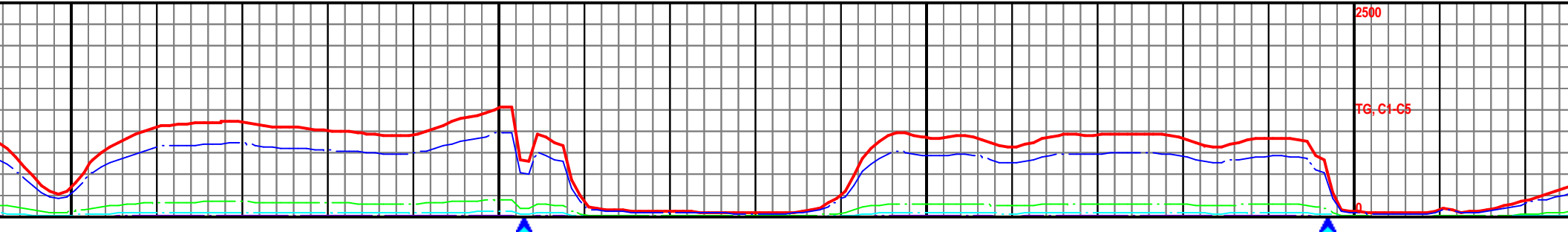
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbply-sbblky, slty, grty, vs
cal.

SS 90%
md ca
10%: g
cal.

7750

MW: 9.2 / VIS: 49

MW: 9.3 / VIS: 48

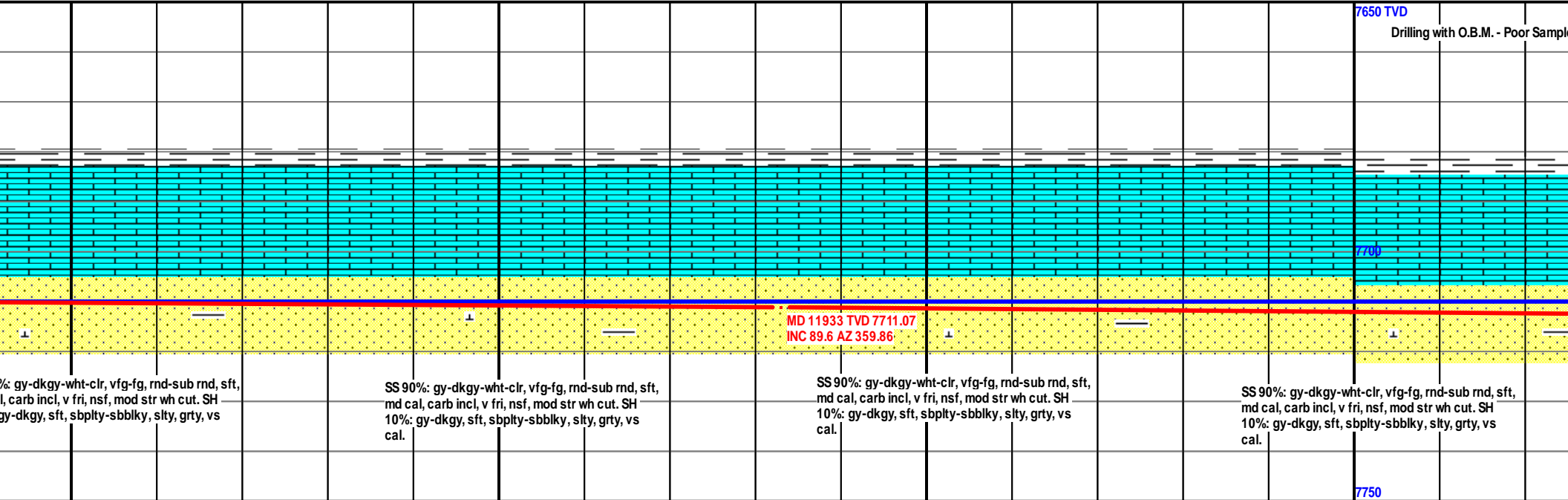


11850

11900

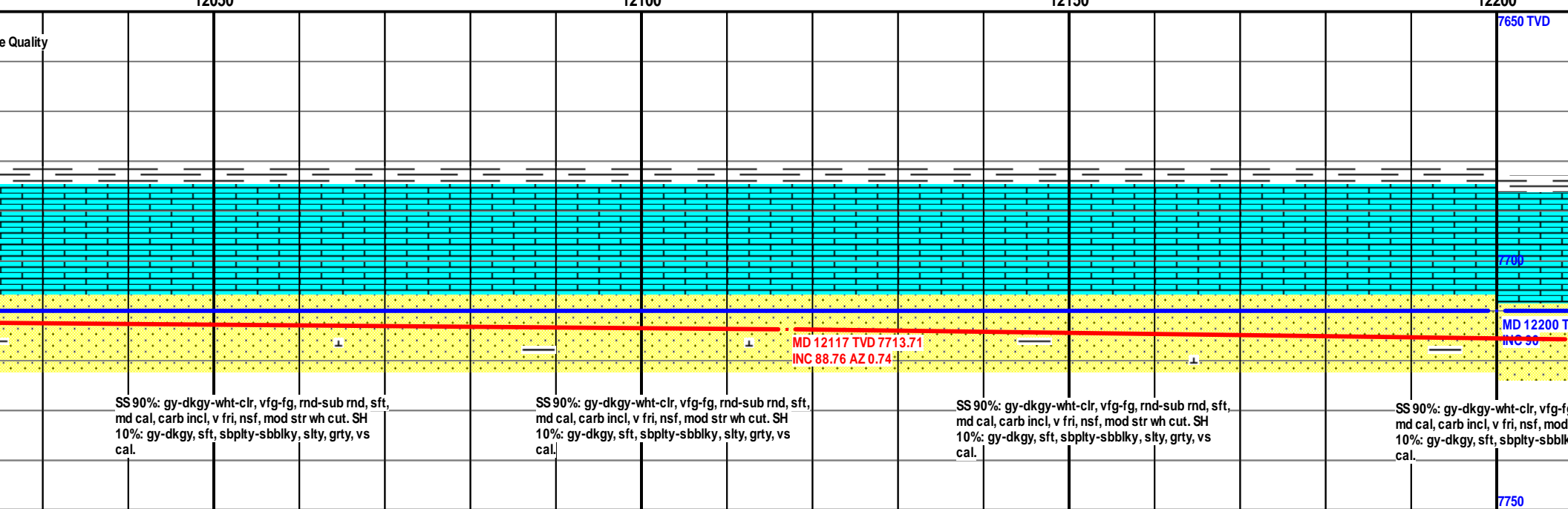
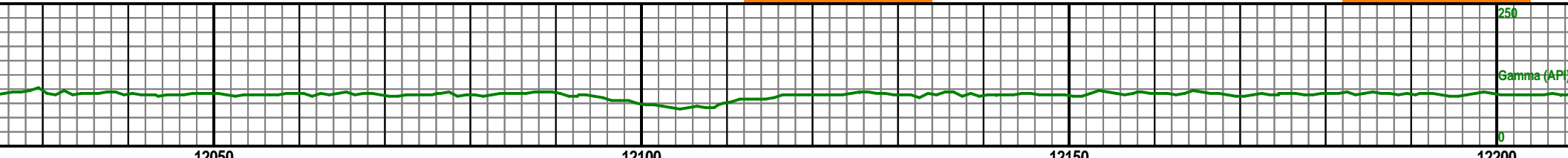
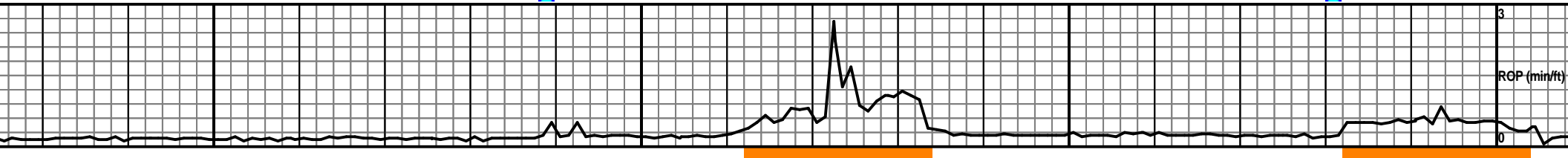
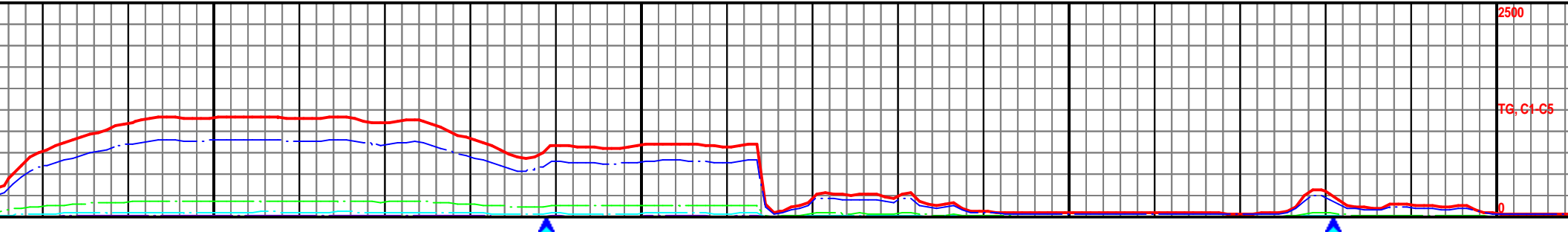
11950

12000

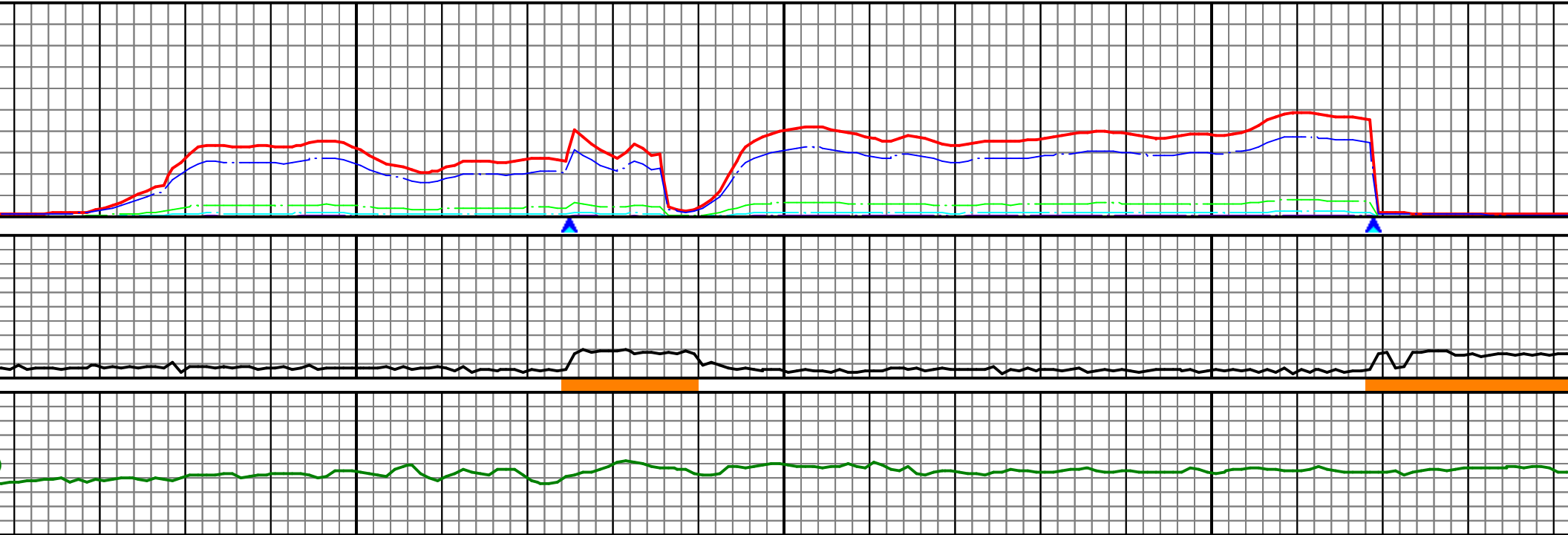


MW: 9.3 / VIS: 48

MW: 9.3 / VIS: 48



MW: 9.3 / VIS: 48



12250

12300

12350

Drilling with O.B.M. - Poor Sample Quality

04/30/14 4:00am Depth @ 12371'MD

Fault

VD 7710

MD 12209 TVD 7715.64
INC 8.83 AZ 359.9

MD 12301 TVD 7716.88
INC 89.63 AZ 359.15

g, rnd-sub rnd, sft,
str wh cut. SH
y, slty, grty, vs

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbblky, slty, grty, vs
cal.

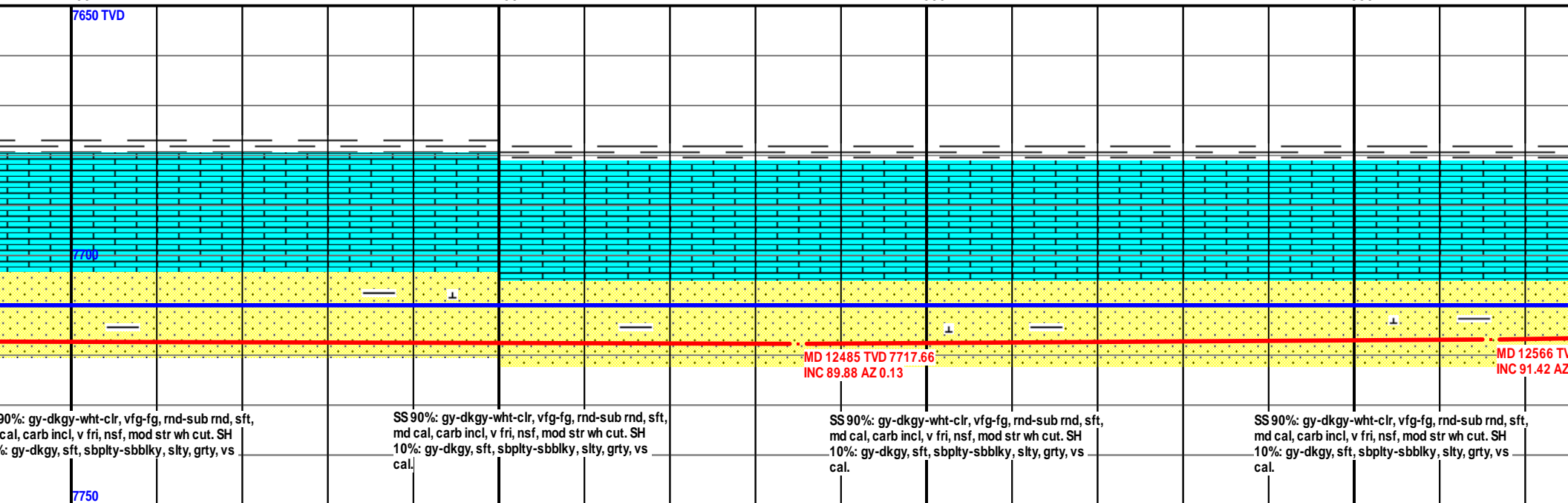
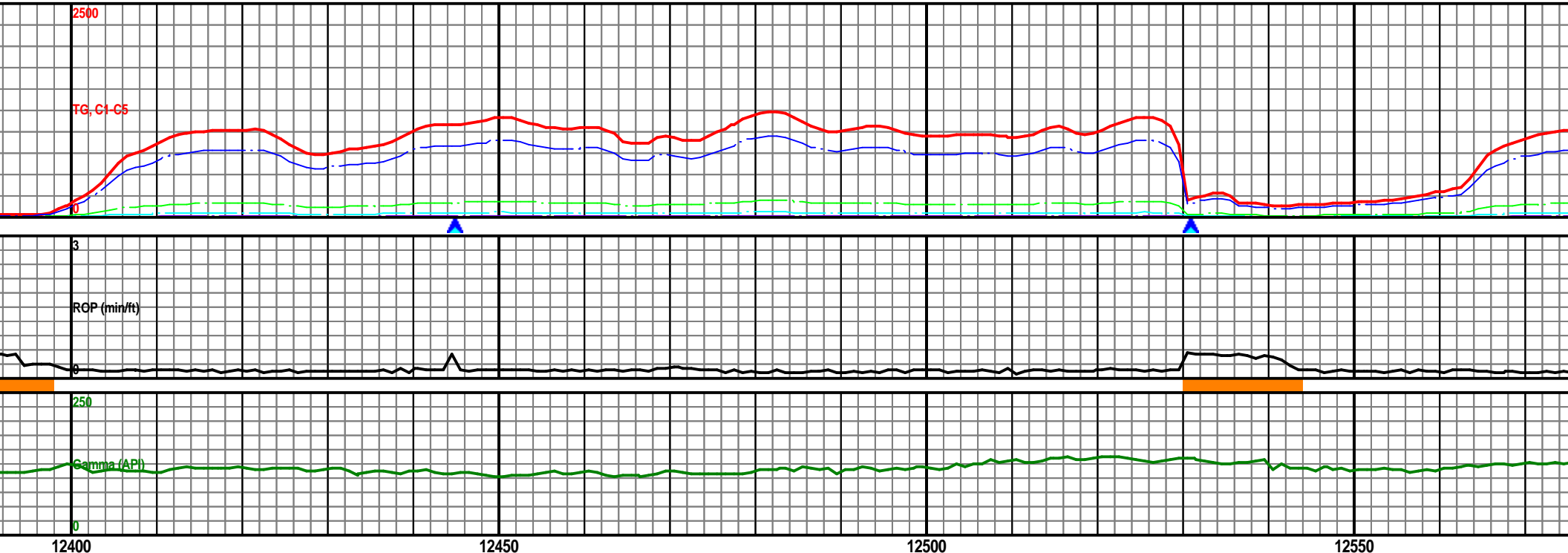
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbblky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbblky, slty, grty, vs
cal.

SS
md
10%
cal.

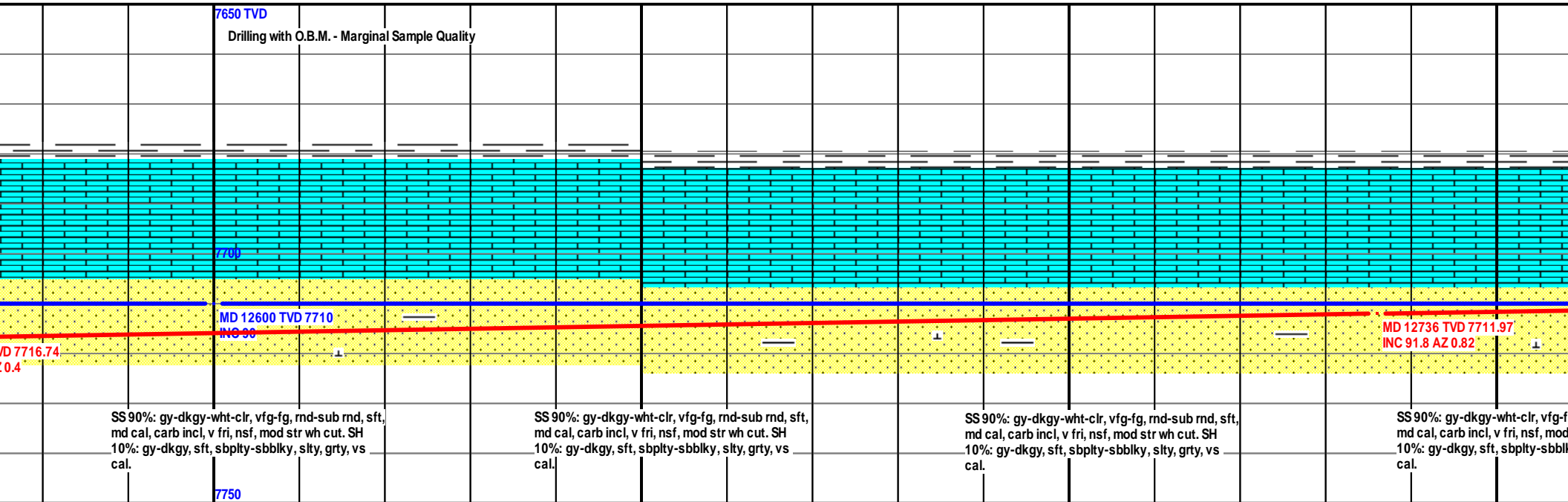
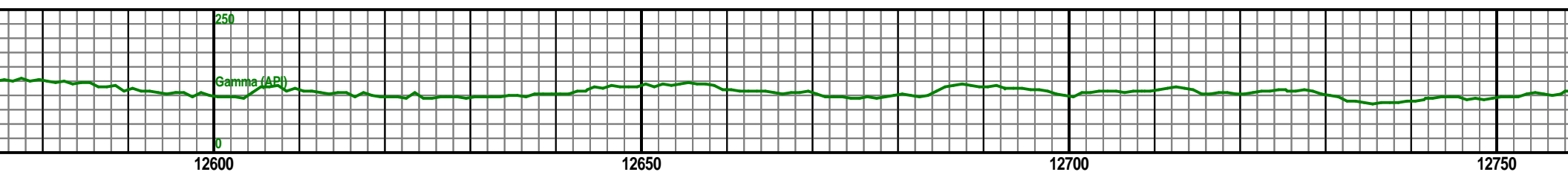
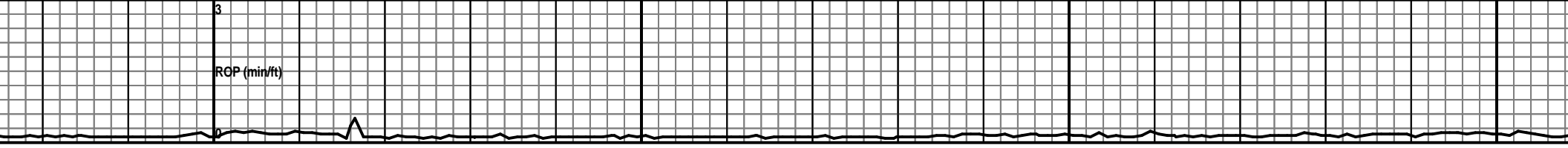
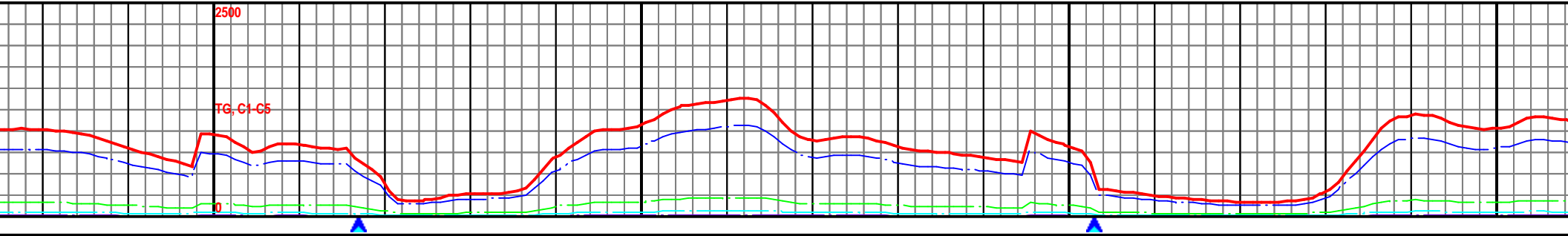
MW: 9.3 / VIS: 48

MW: 9.4 / VIS: 48



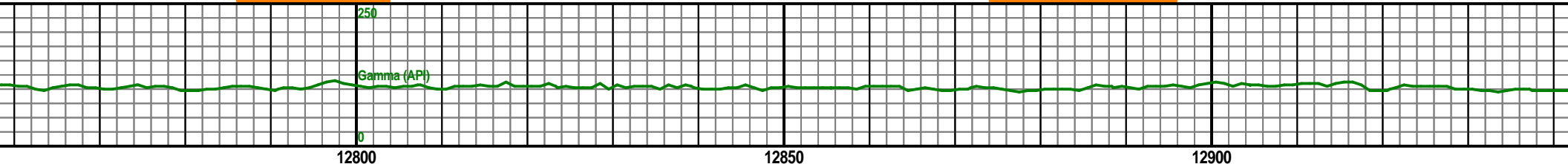
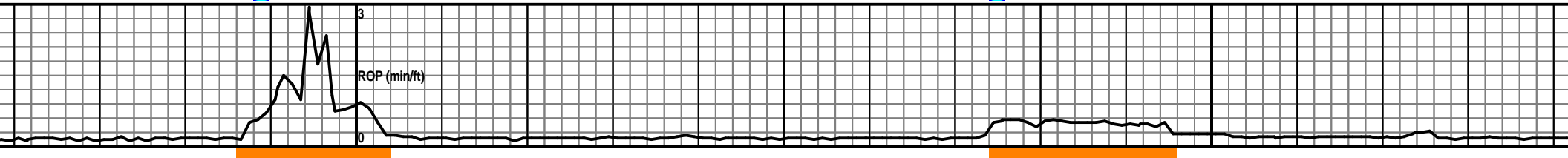
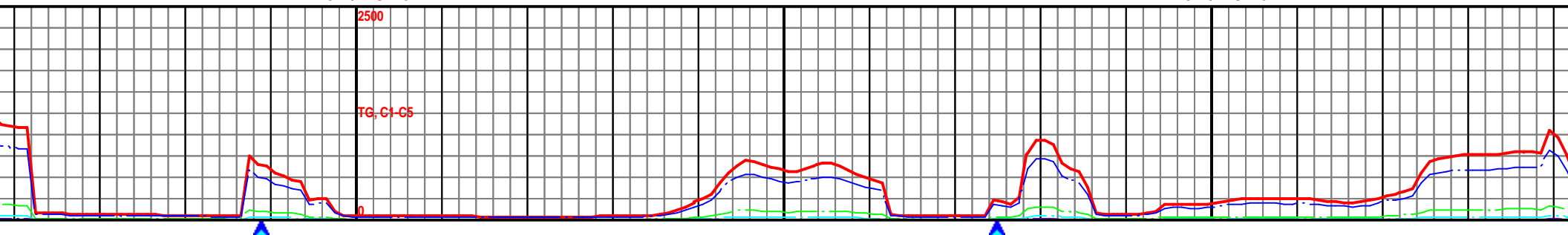
MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48



MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48



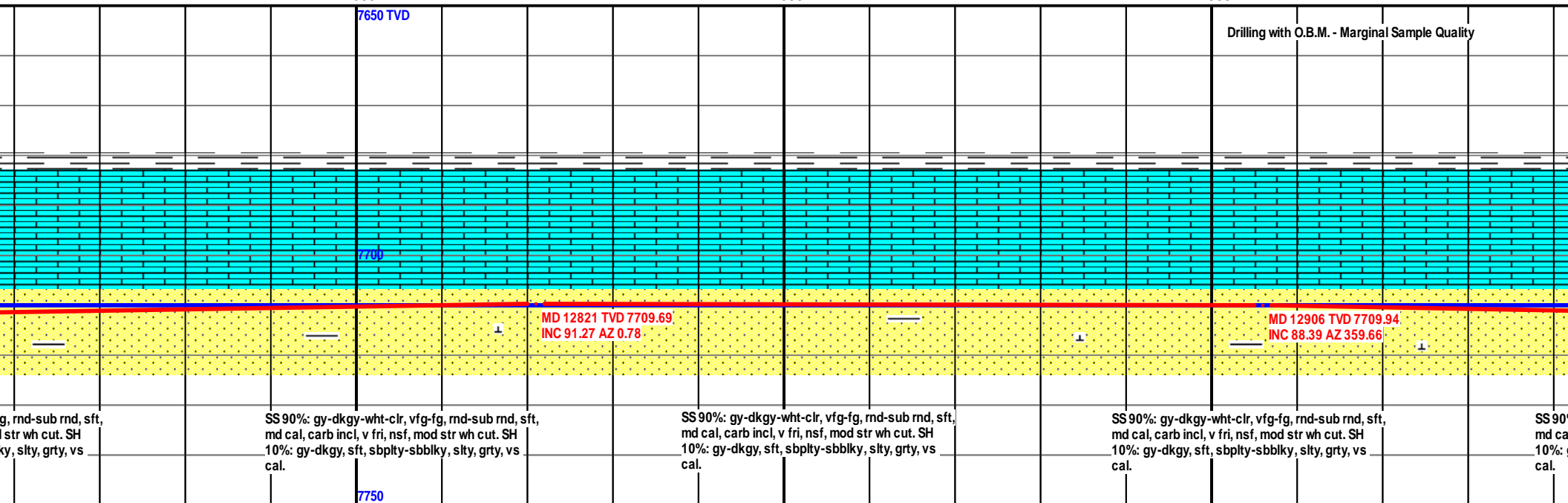
12800

12850

12900

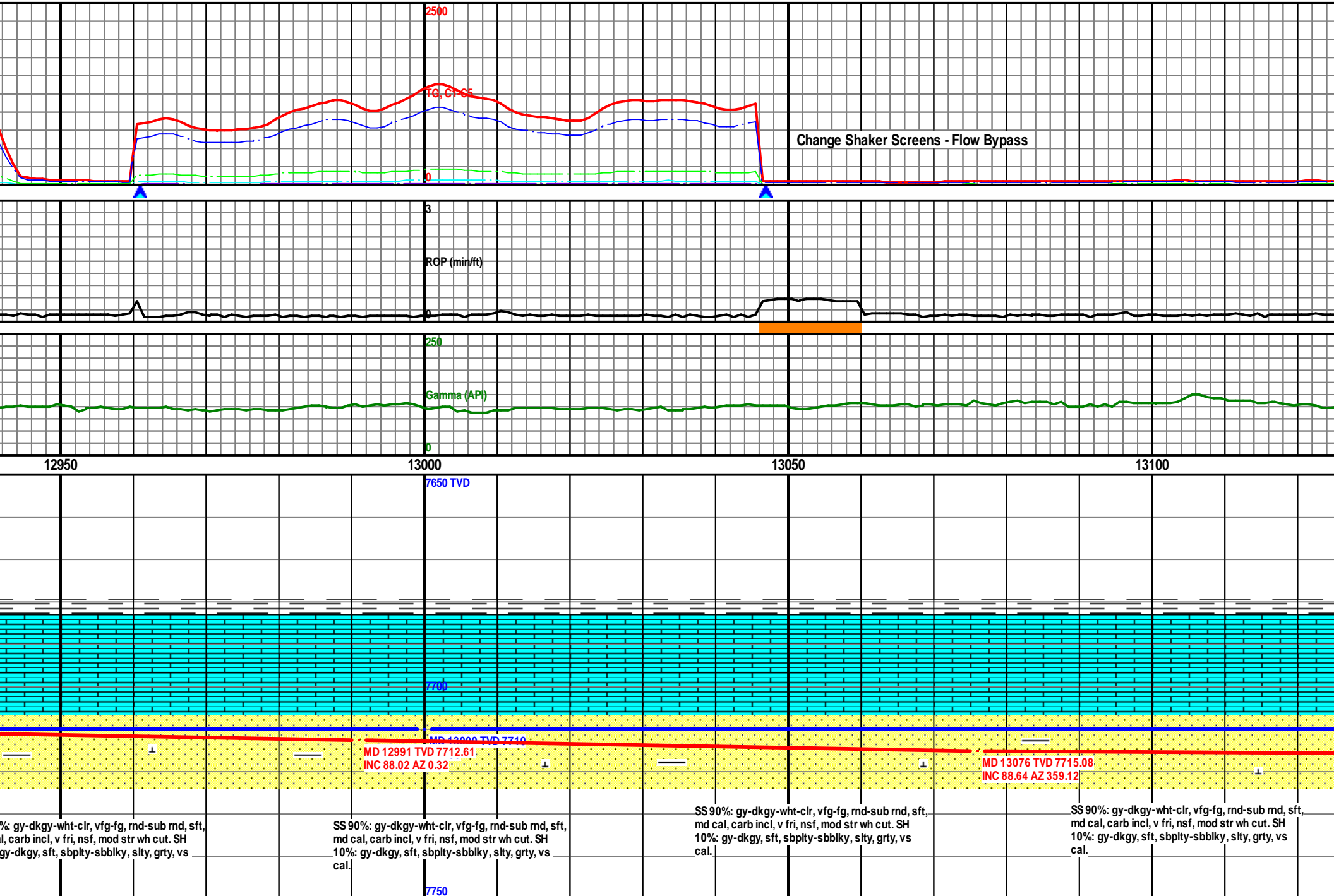
7650 TVD

Drilling with O.B.M. - Marginal Sample Quality



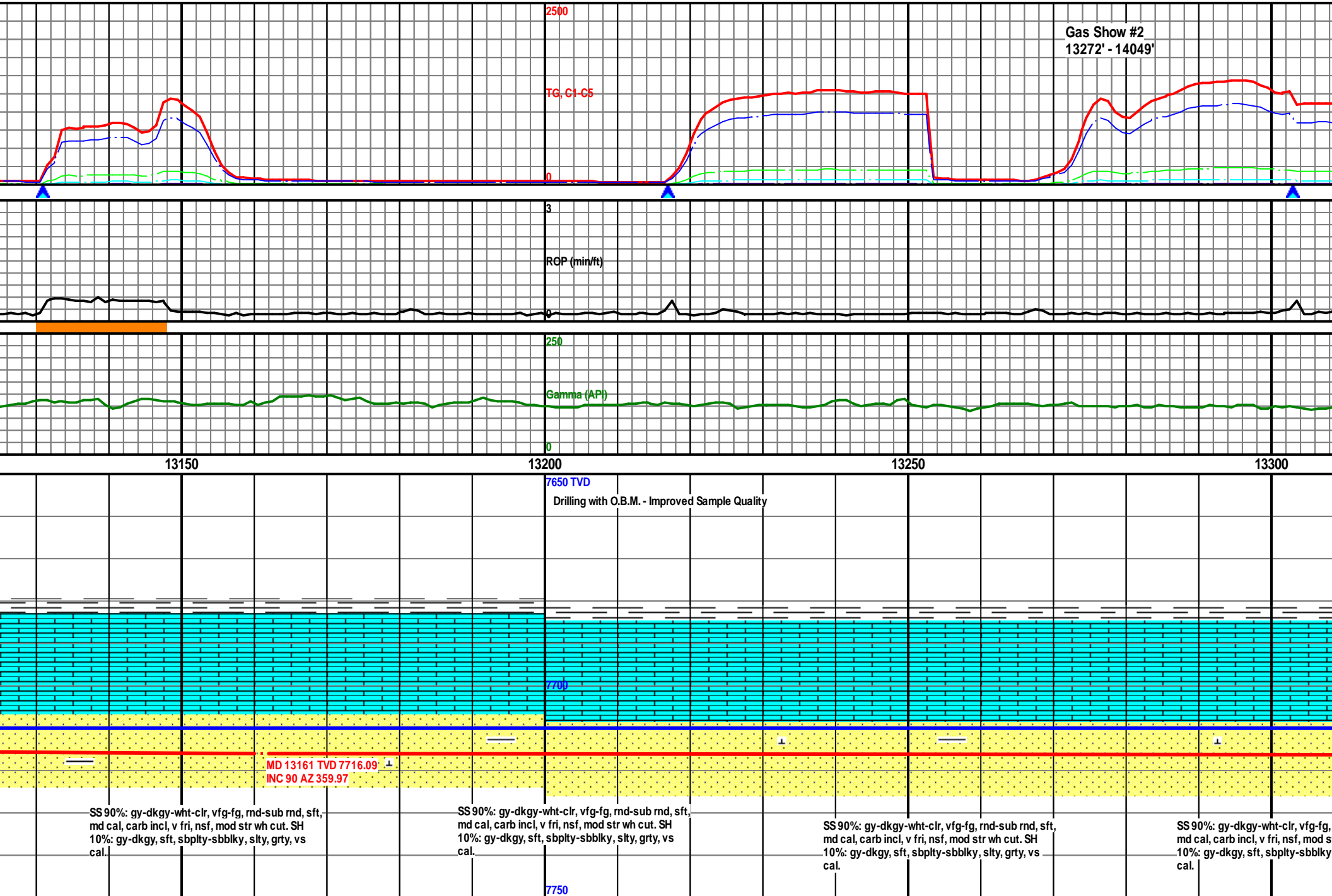
MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48

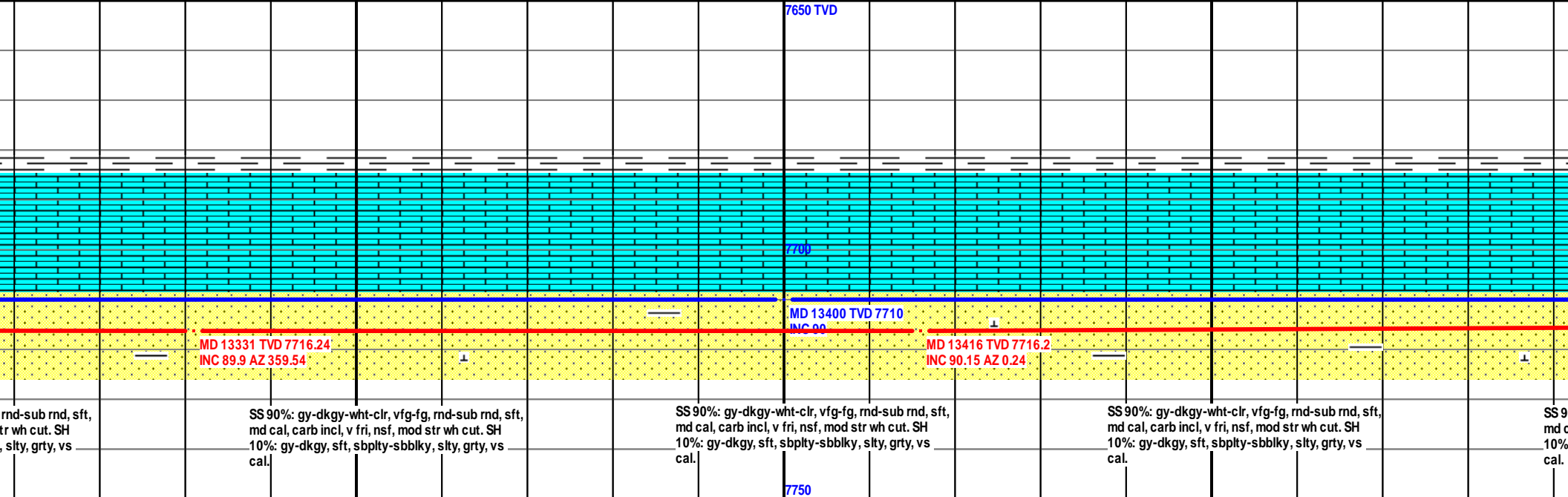
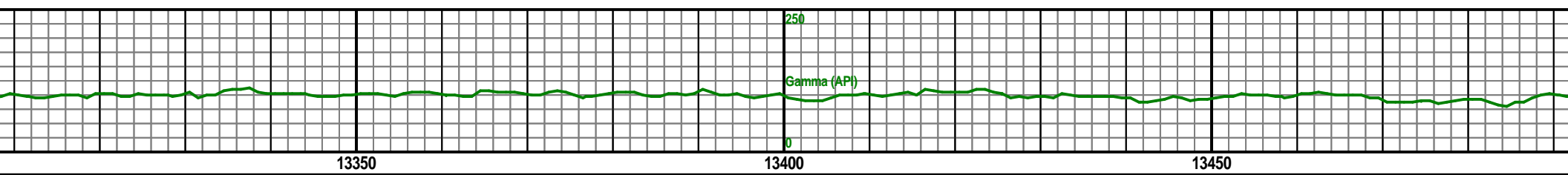
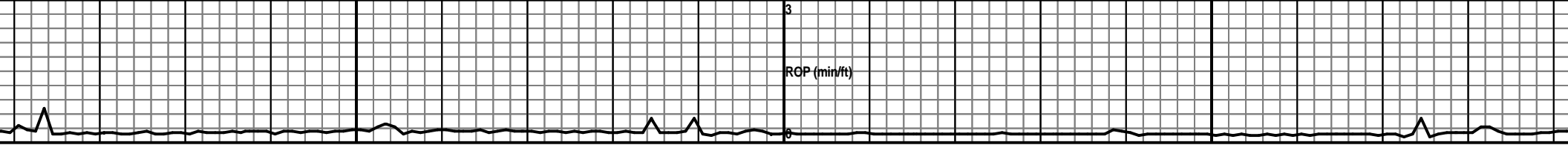
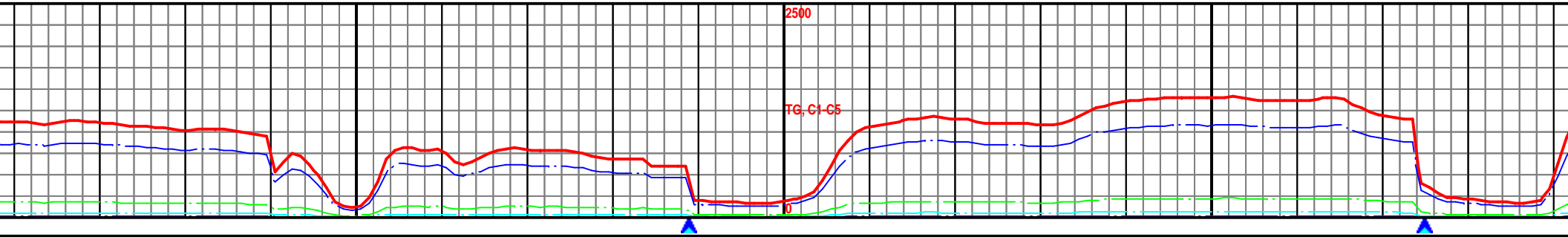


MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48

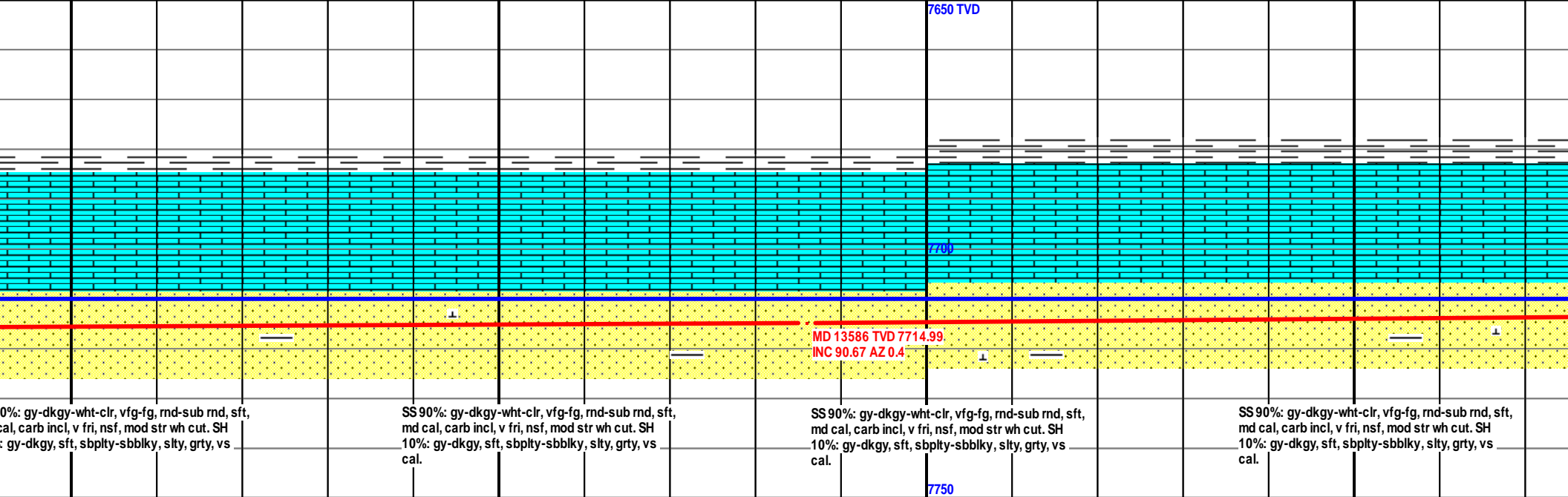
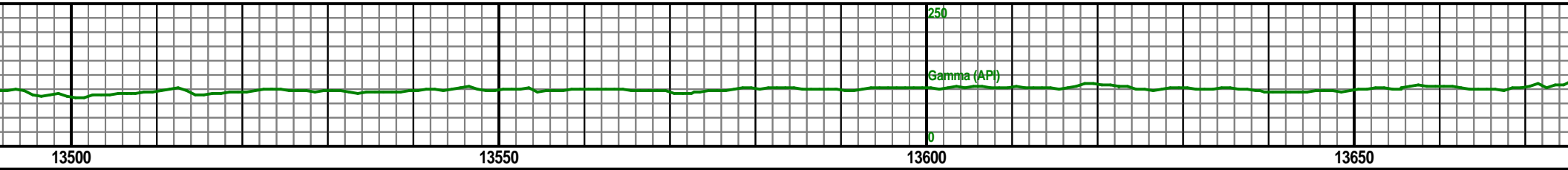
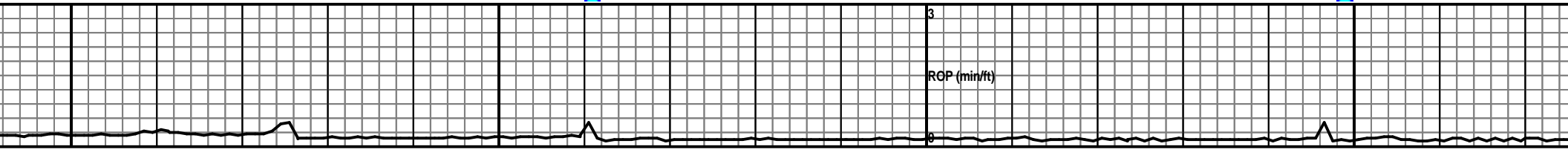
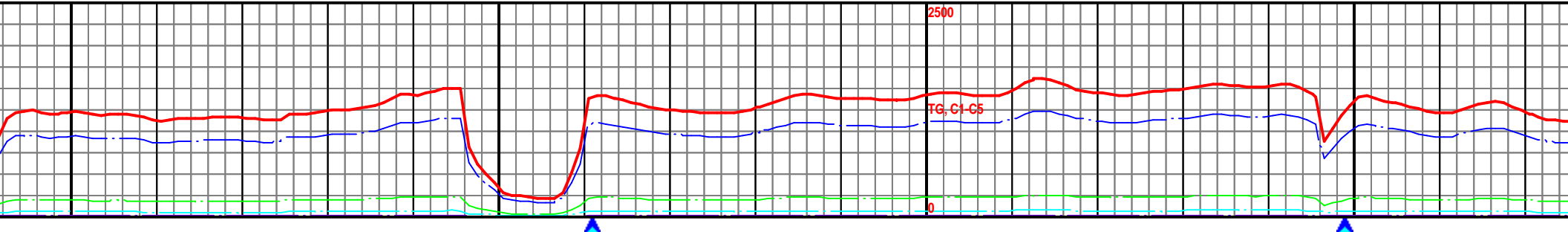


MW: 9.4 / VIS: 48

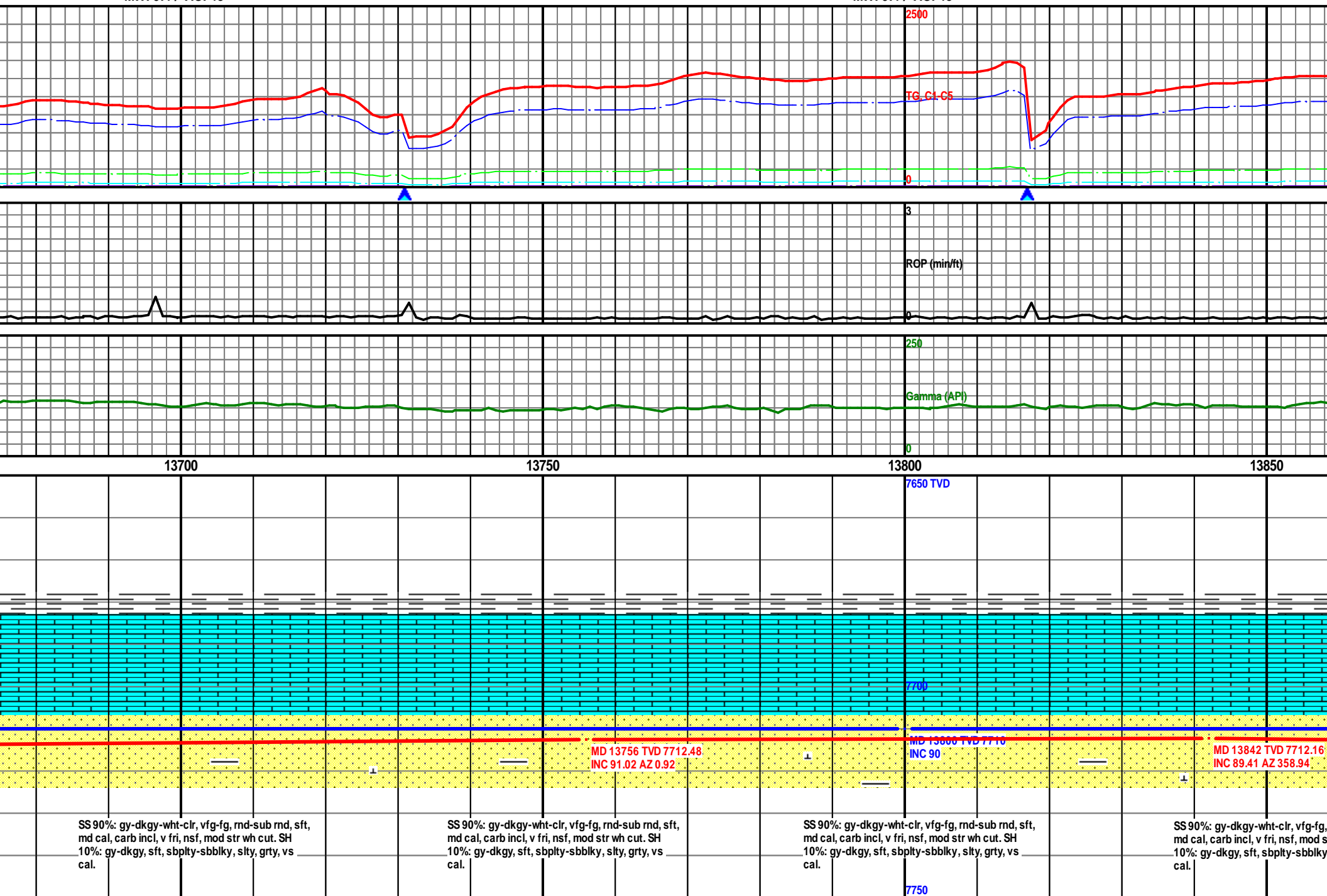


MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48

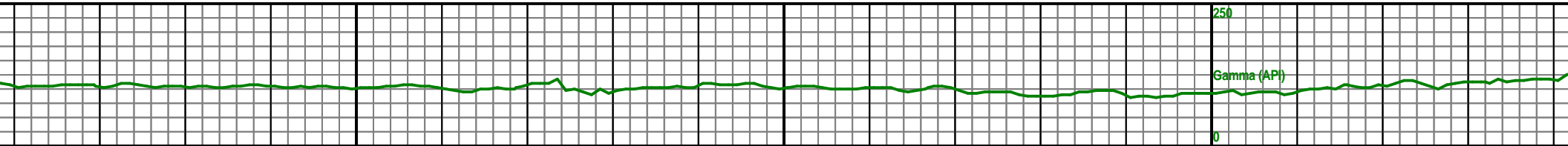
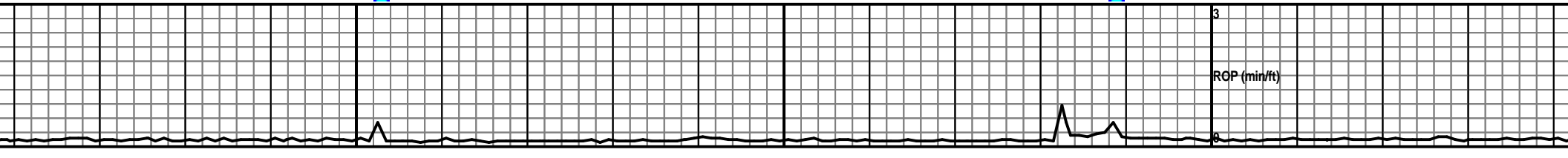
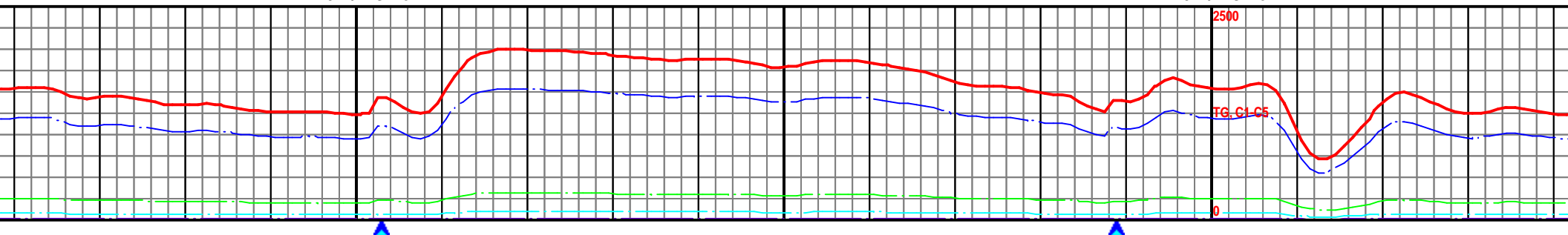


MW: 9.4 / VIS: 48



MW: 9.4 / VIS: 48

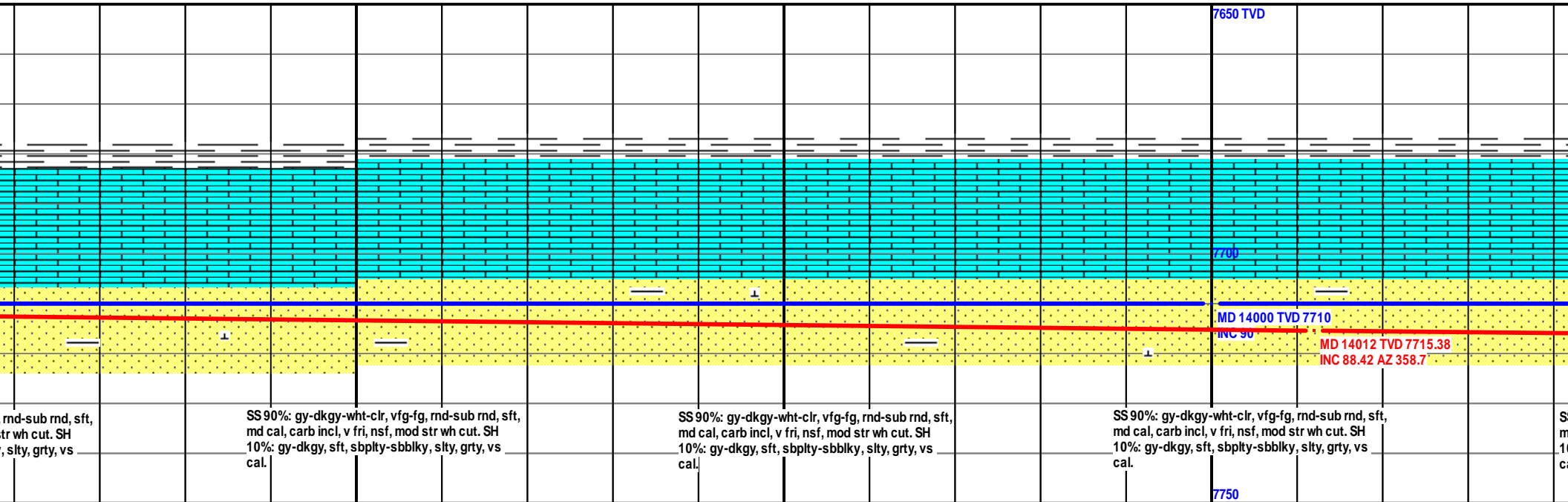
MW: 9.4 / VIS: 48



13900

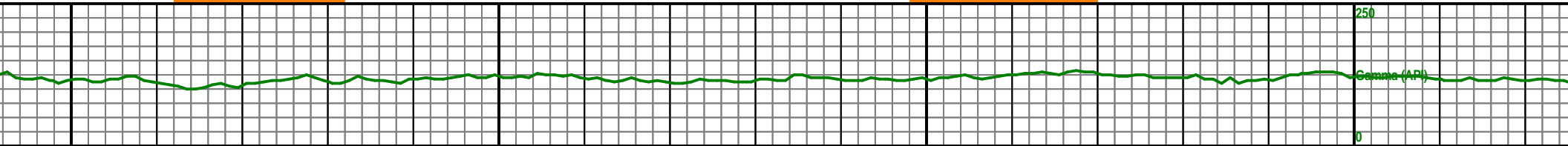
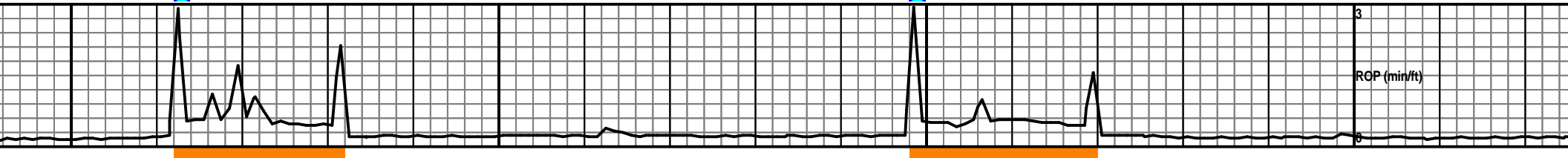
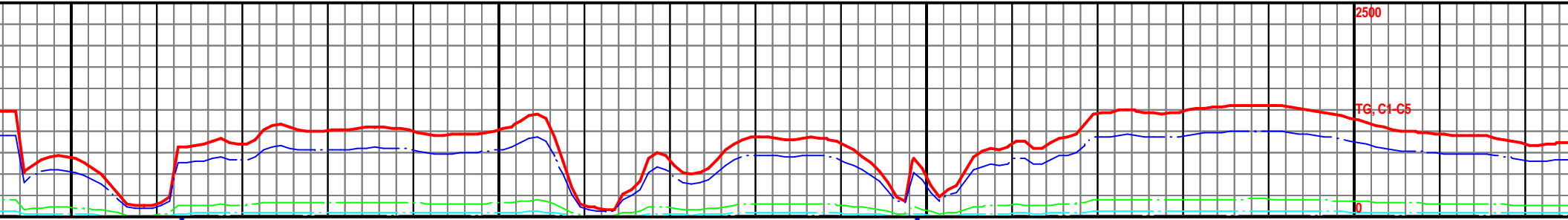
13950

14000



MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48

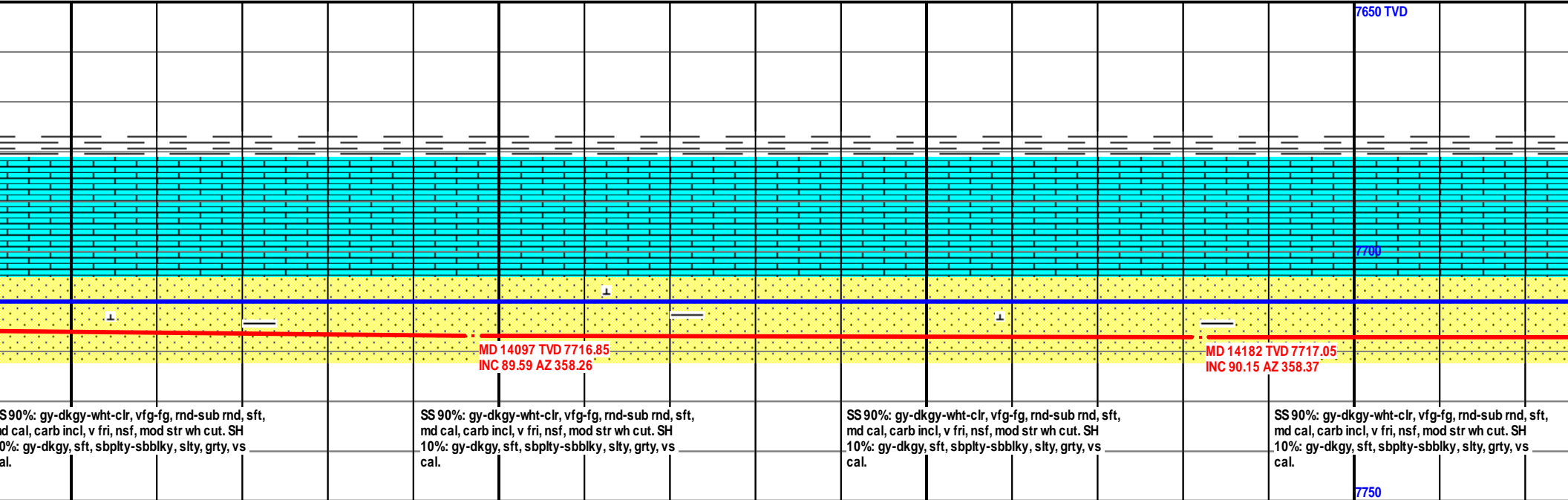


14050

14100

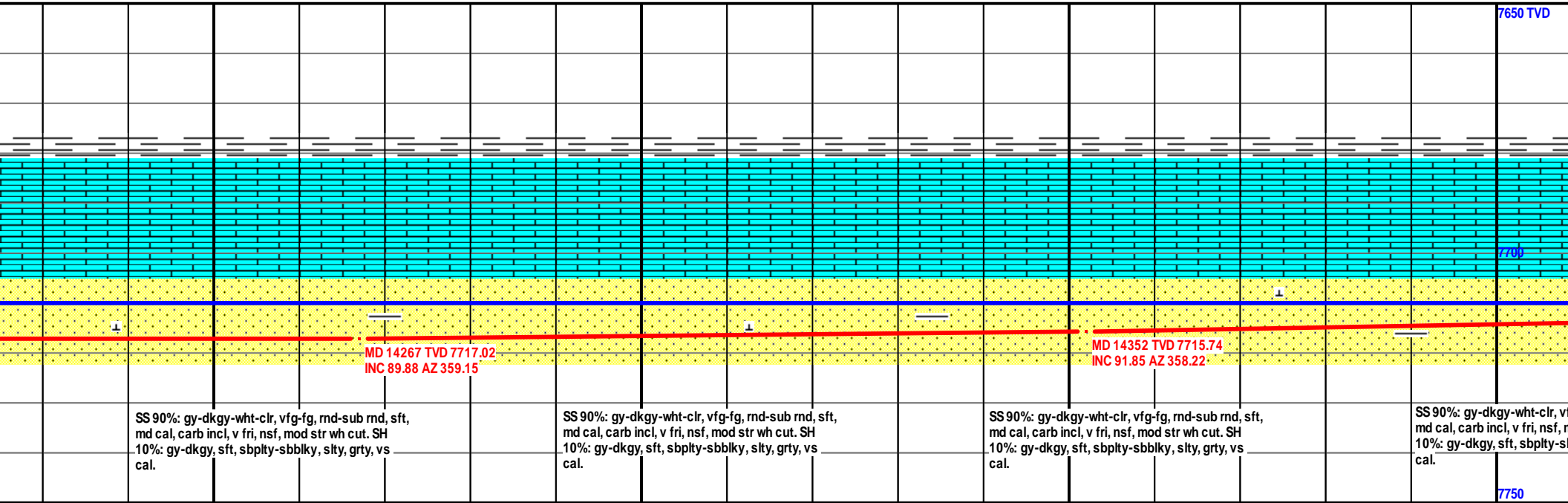
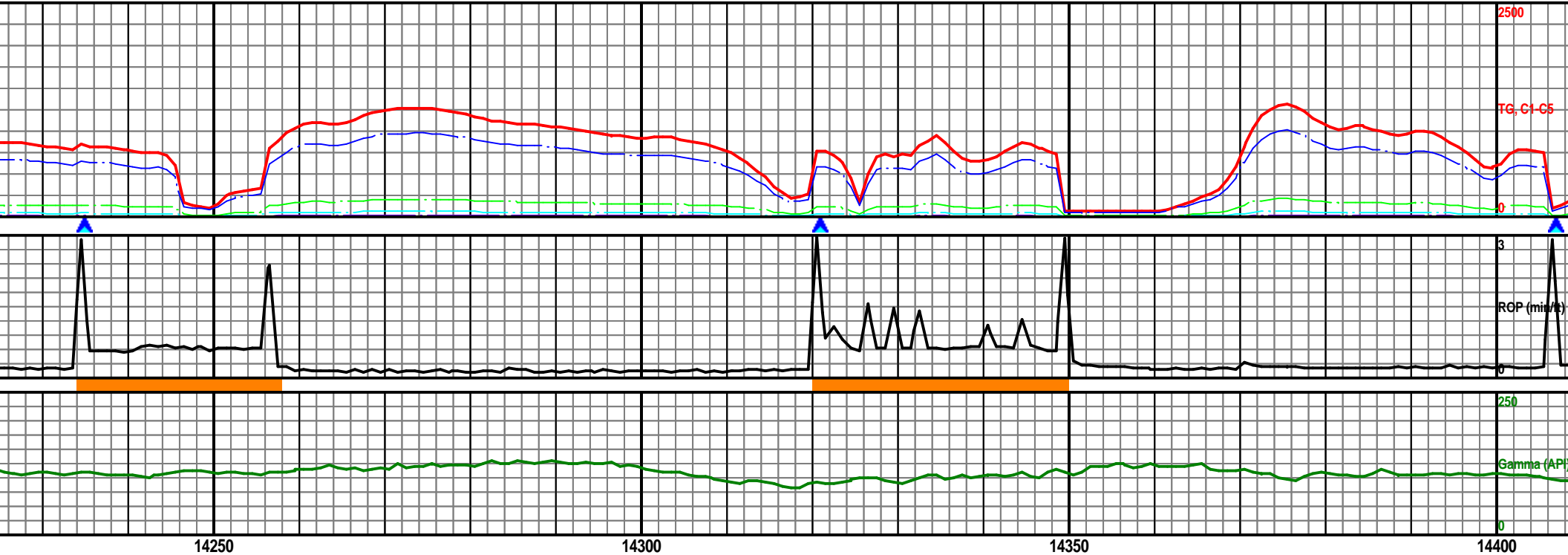
14150

14200

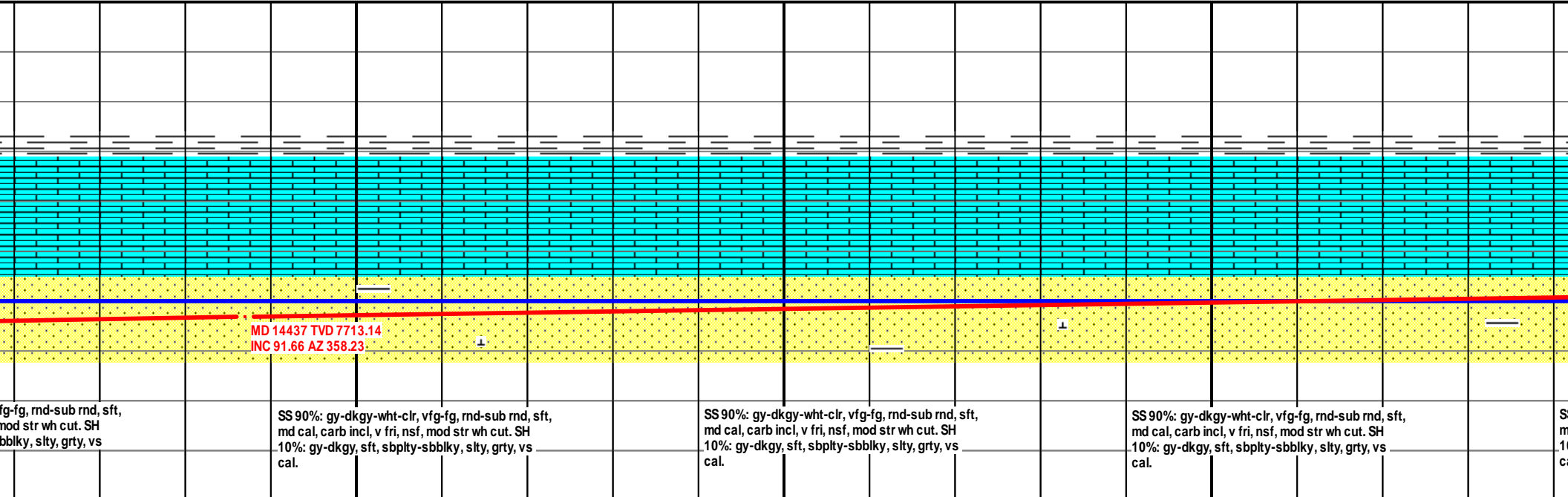
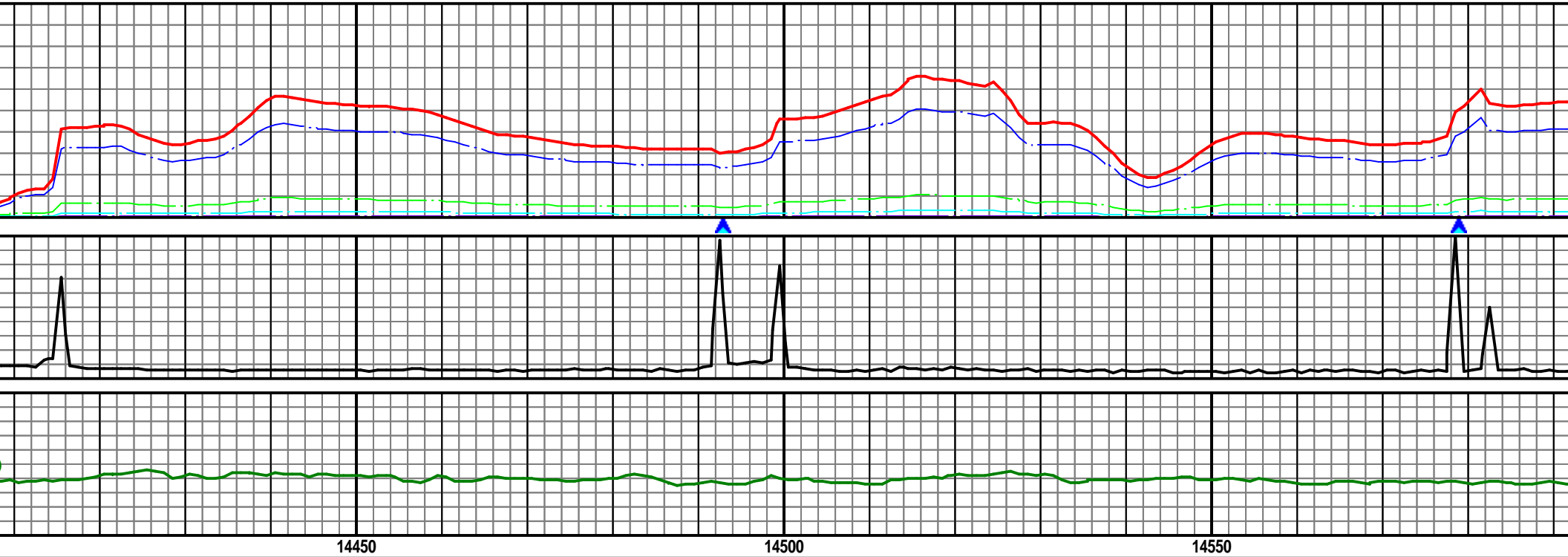


MW: 9.4 / VIS: 48

MW: 9.3 / VIS: 48

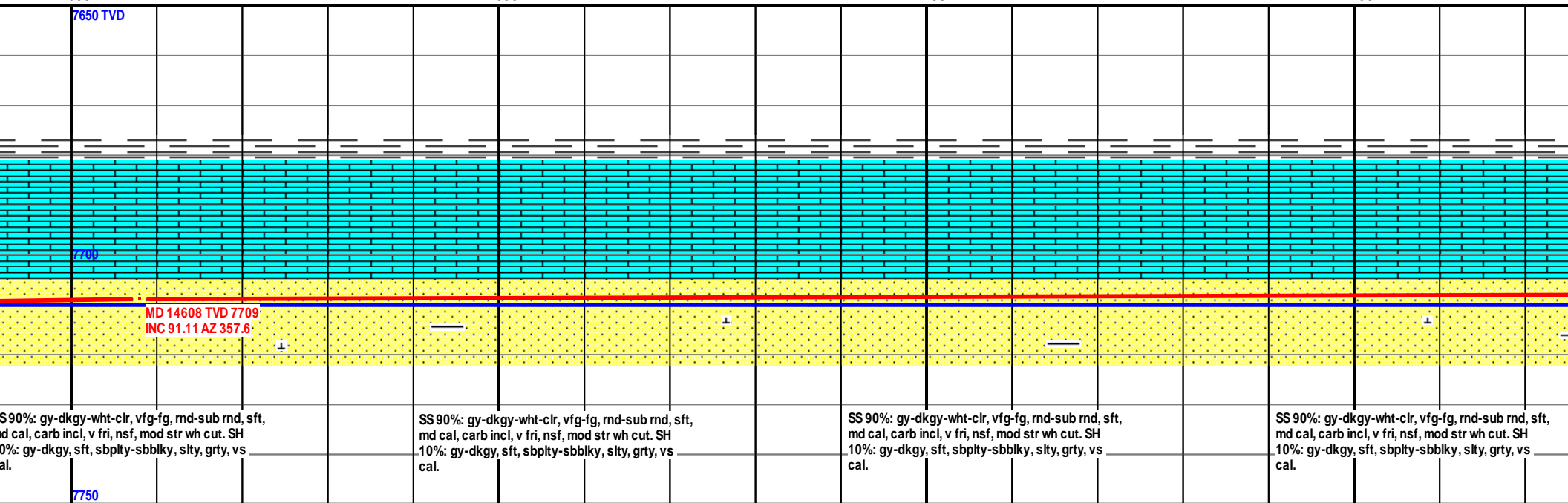
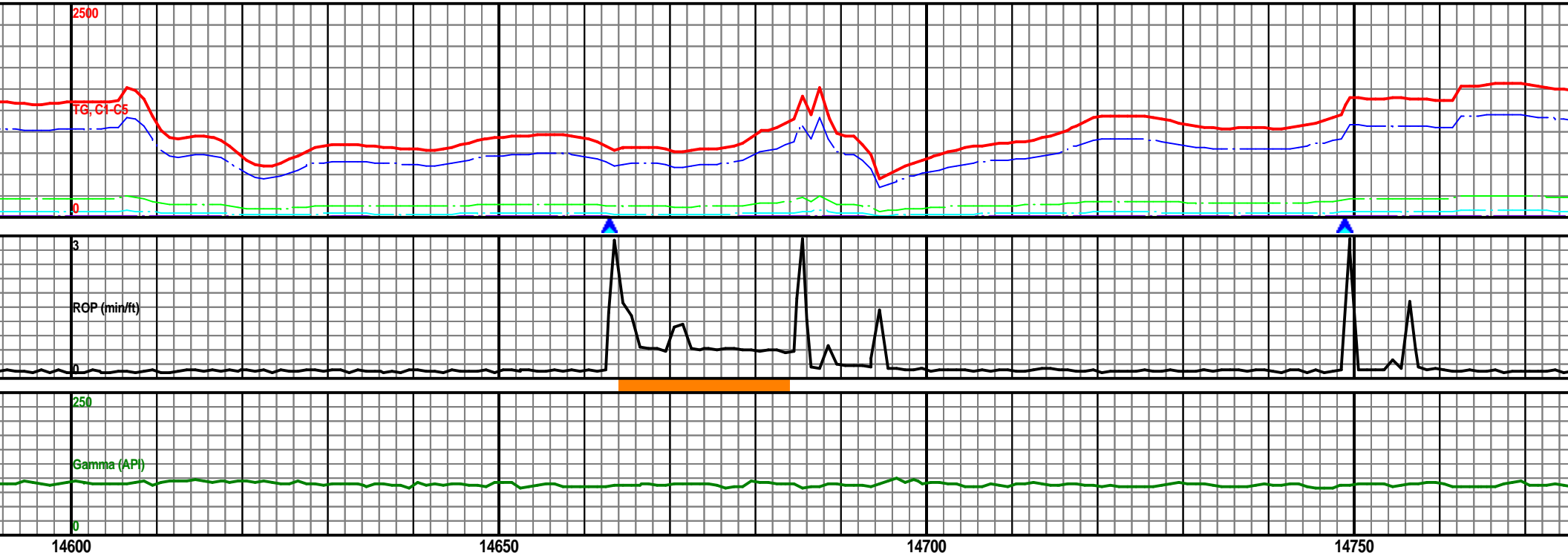


MW: 9.3 / VIS: 48



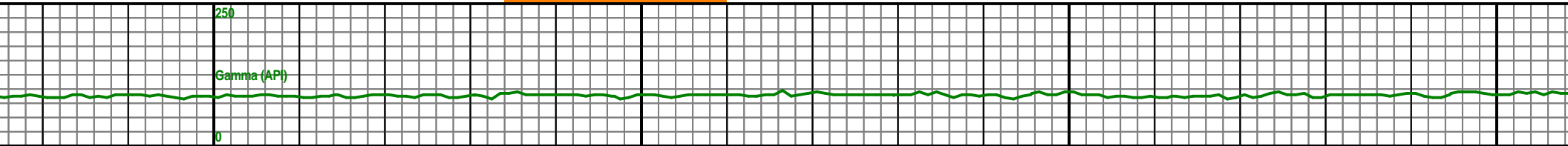
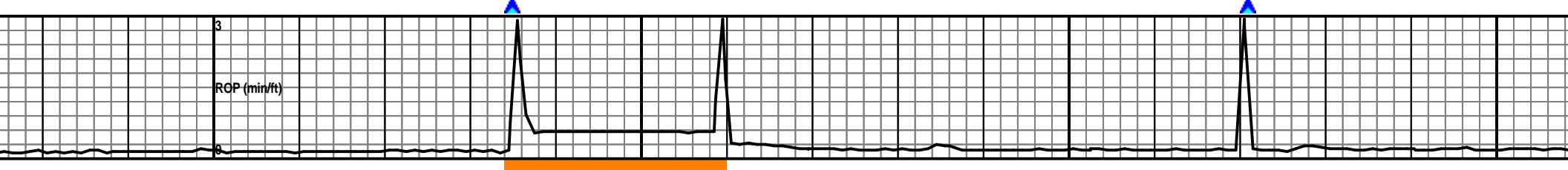
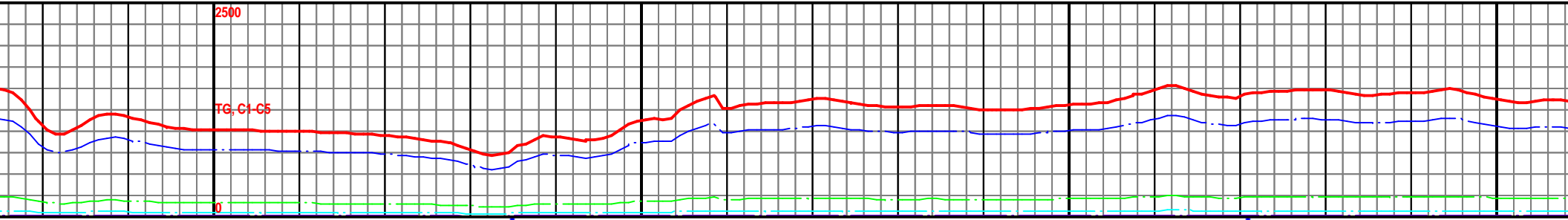
MW: 9.4 / VIS: 49

MW: 9.4 / VIS: 49



MW: 9.4 / VIS: 49

MW: 9.4 / VIS: 49



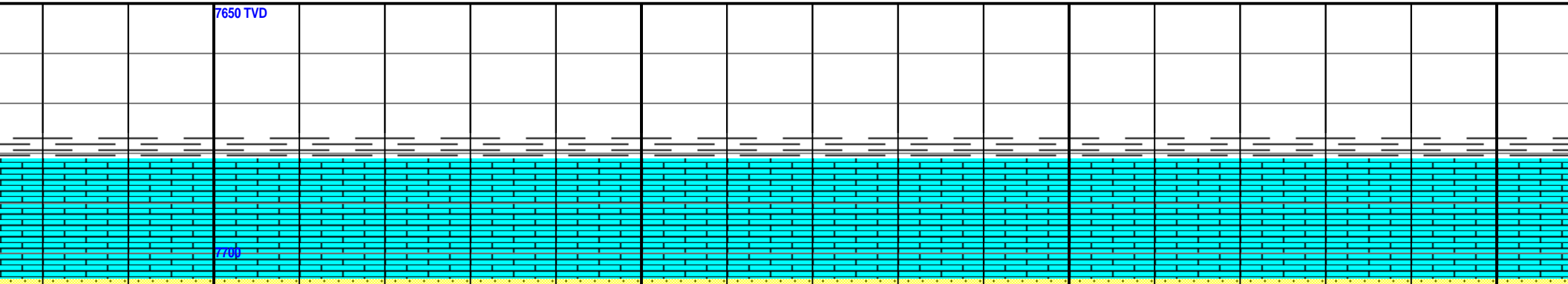
14800

14850

14900

14950

7650 TVD



7700

7750

MD 14778 TVD 7708.1
INC 89.5 AZ 358.39

MD 14948 TVD
INC 89.14 AZ 3

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

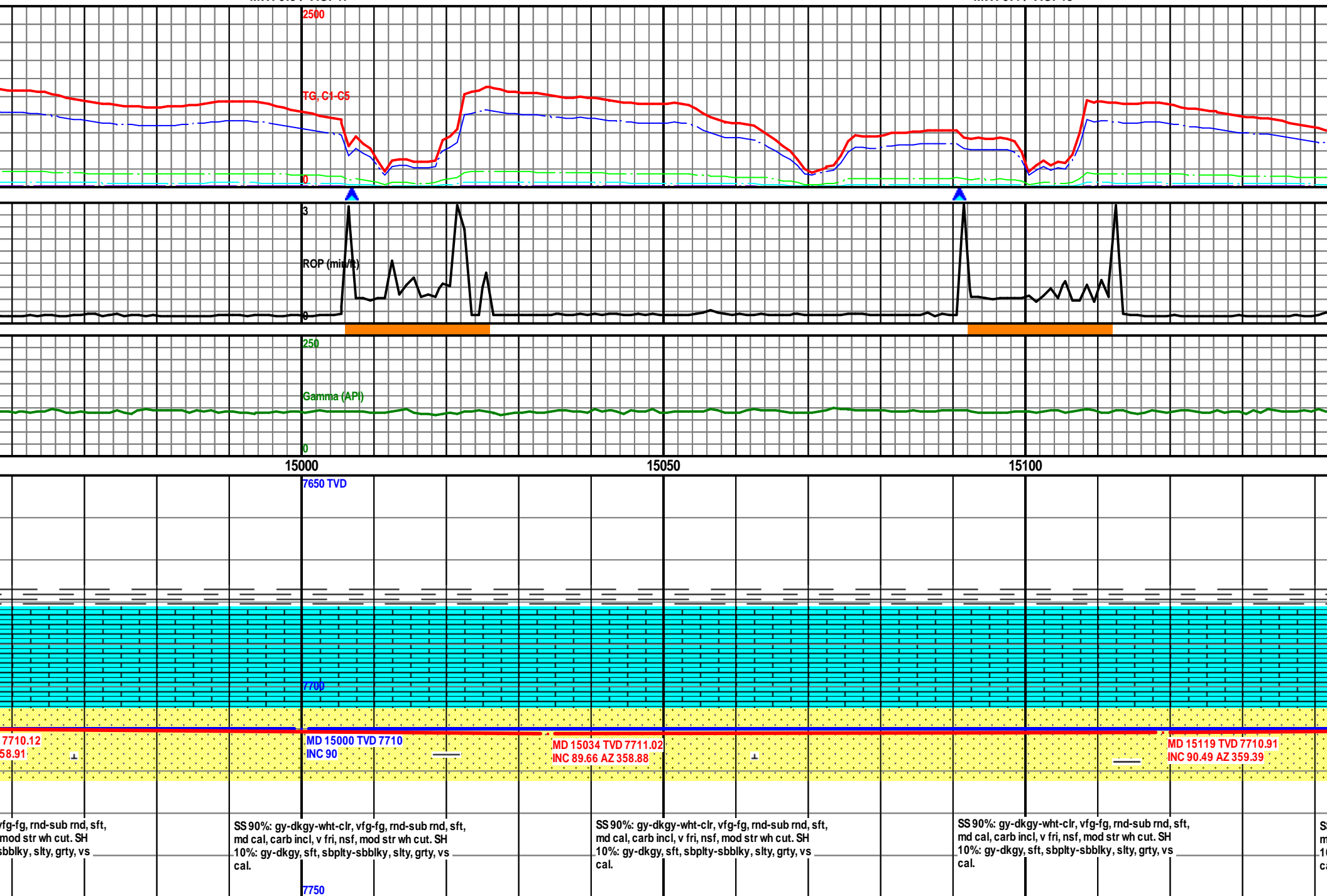
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
cal.

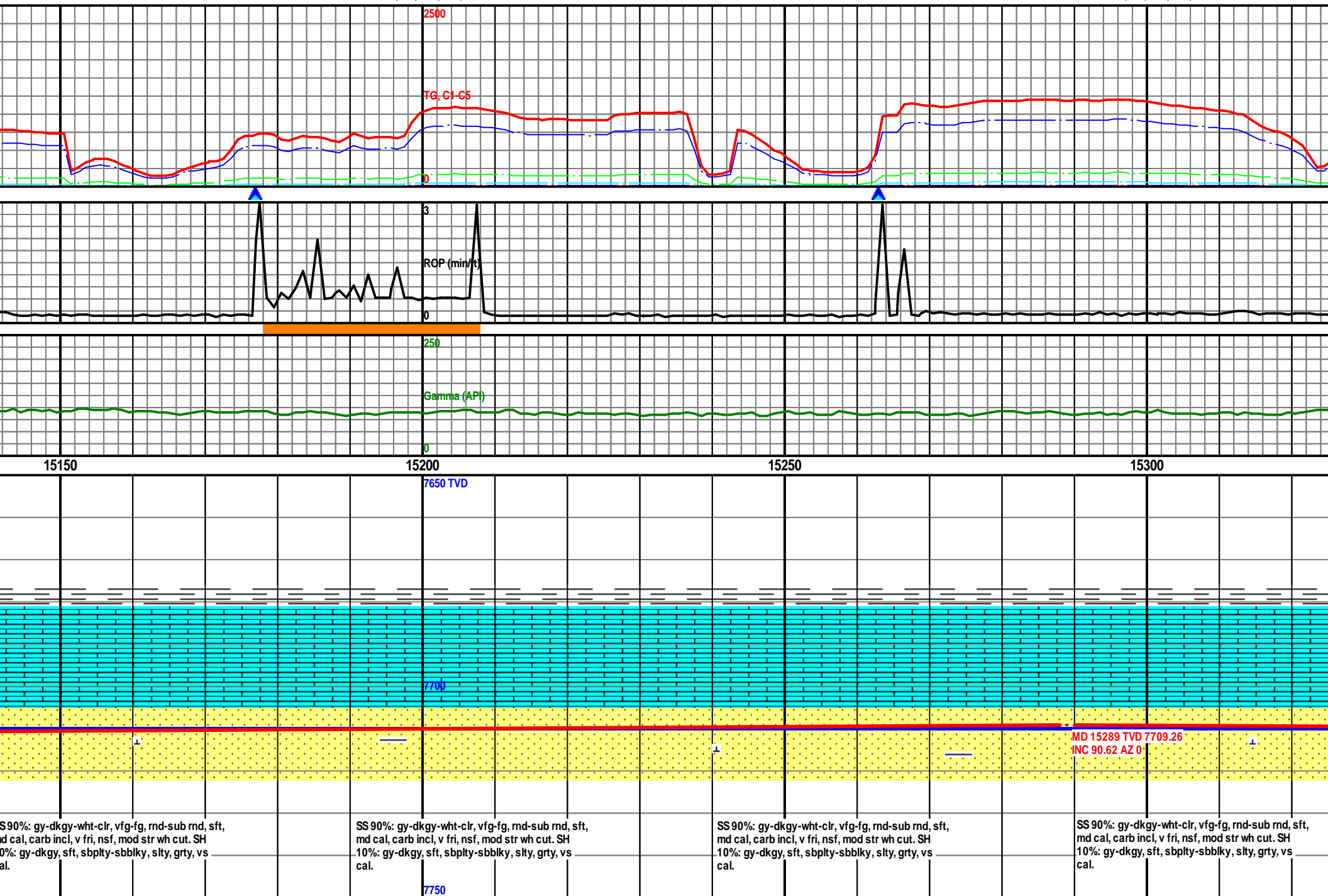
MW: 9.3 / VIS: 47

MW: 9.4 / VIS: 48



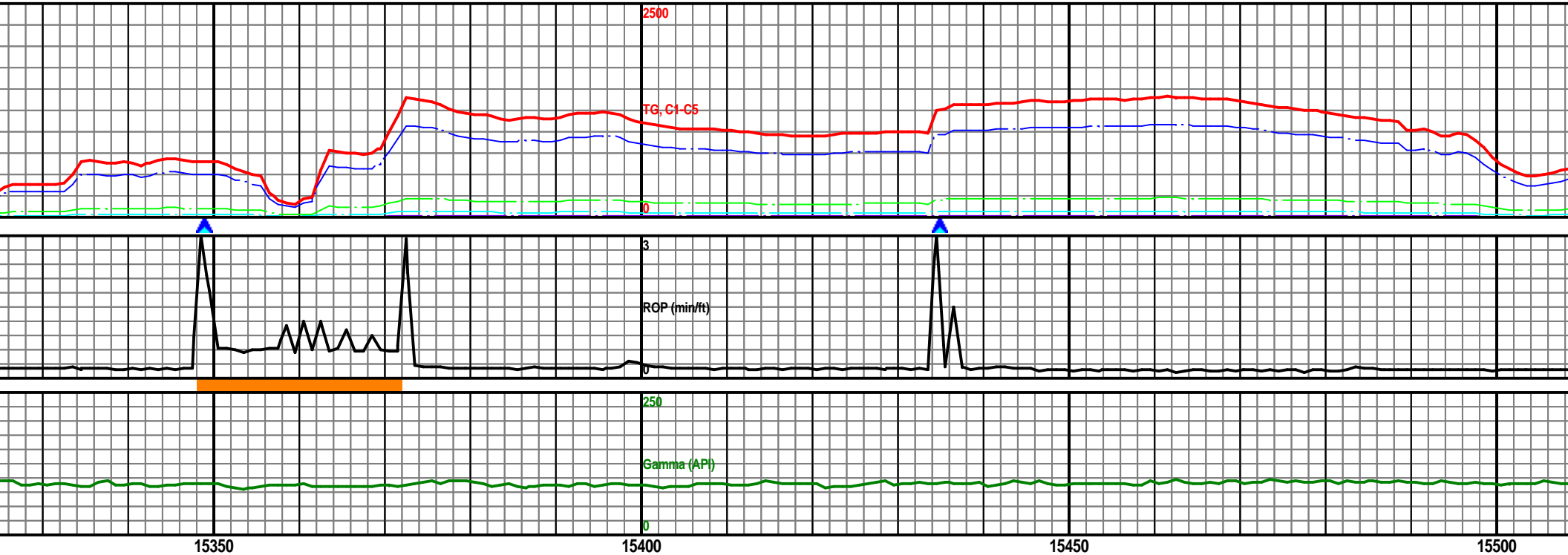
MW: 9.4 / VIS: 48

MW: 9.4 / VIS: 48

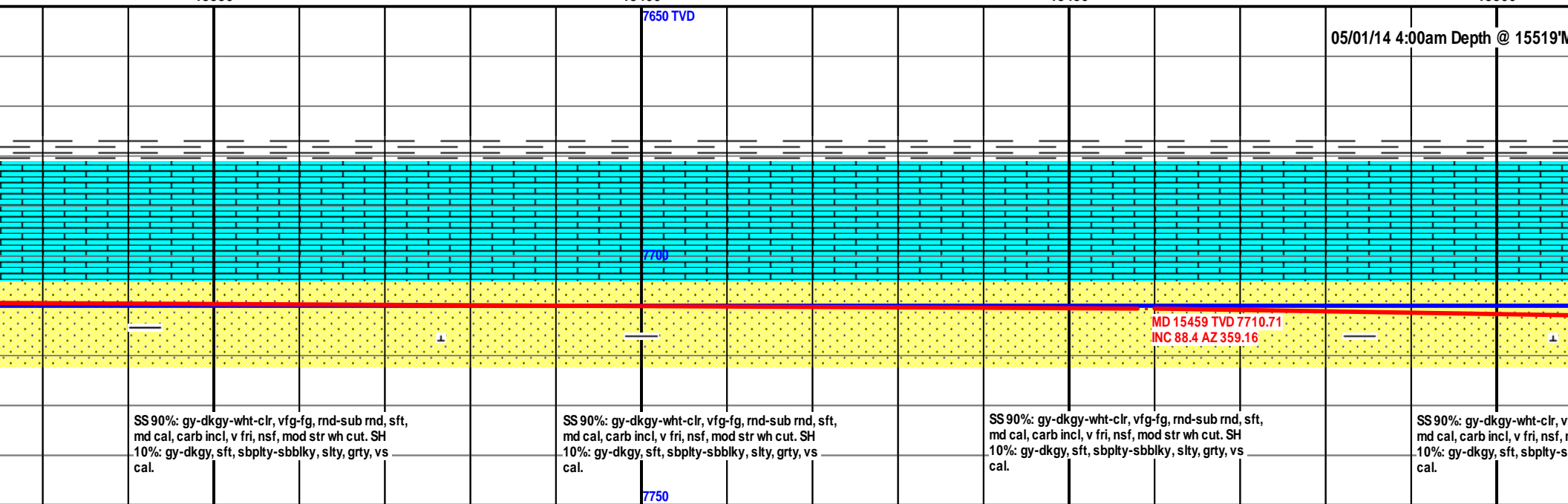


MW: 9.4 / VIS: 48

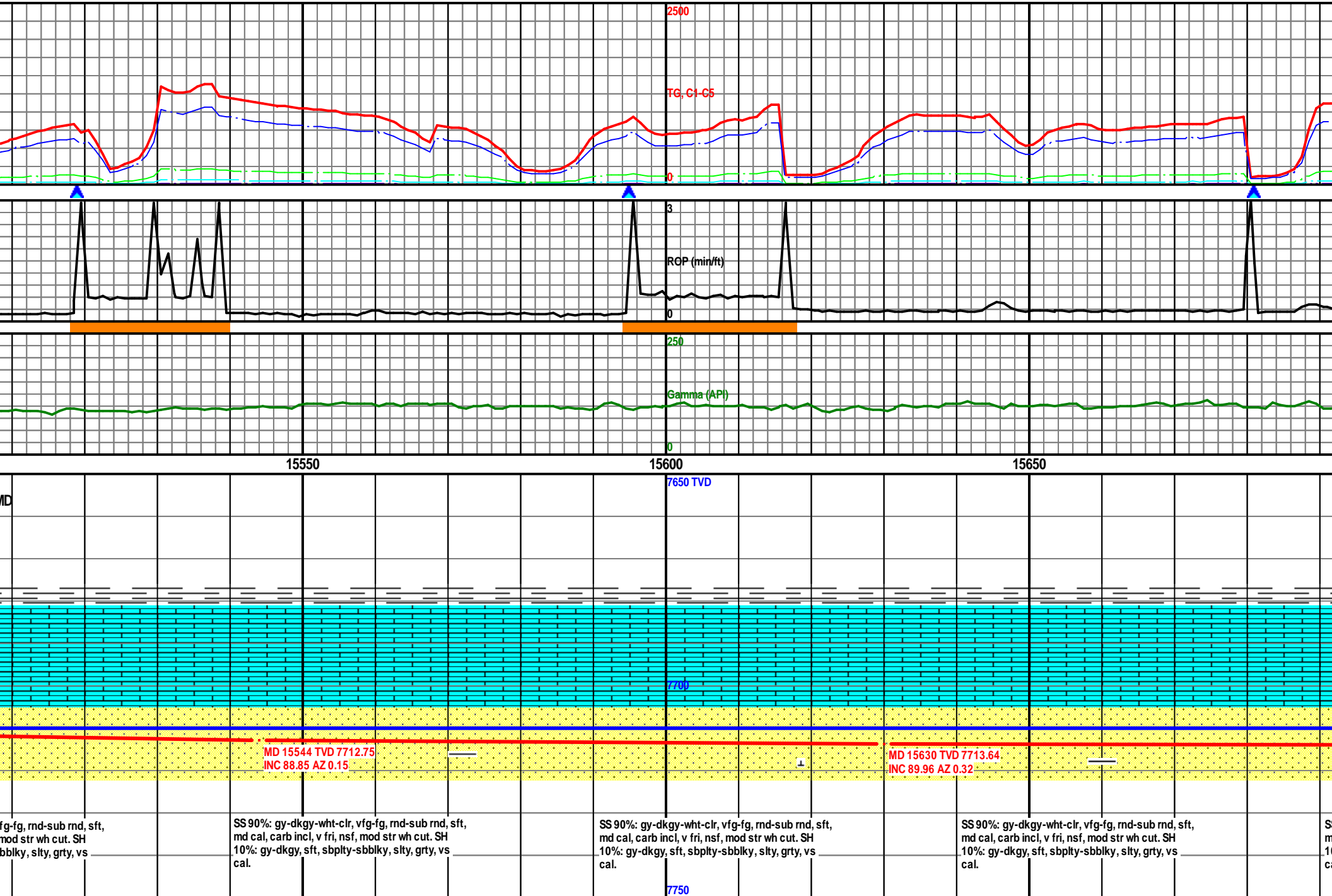
MW: 9.4 / VIS: 48



05/01/14 4:00am Depth @ 15519'

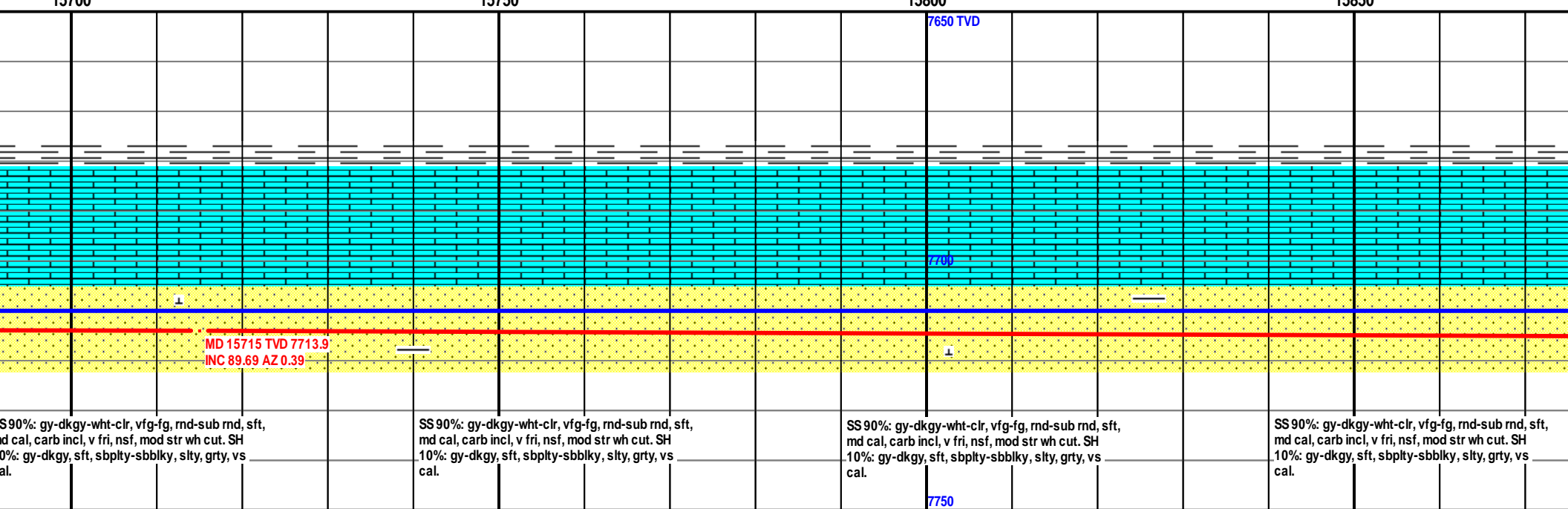
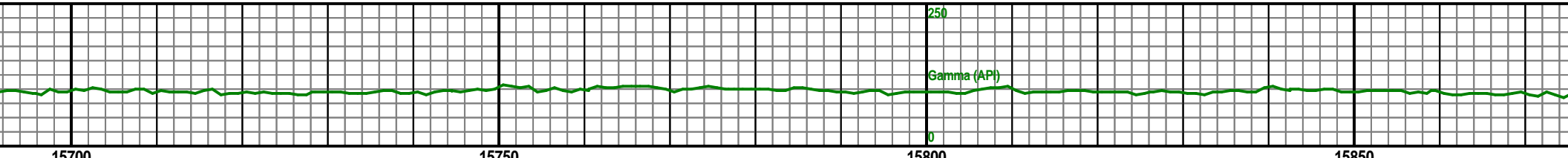
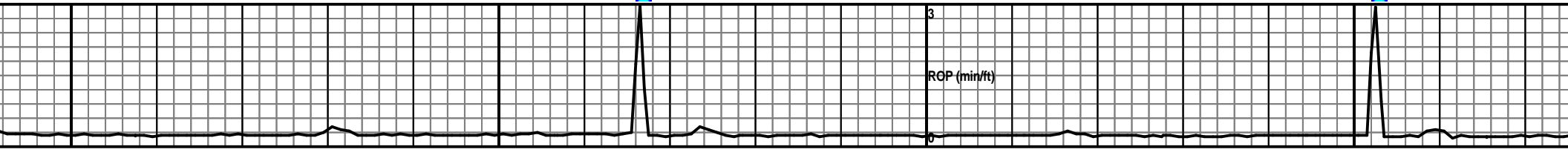
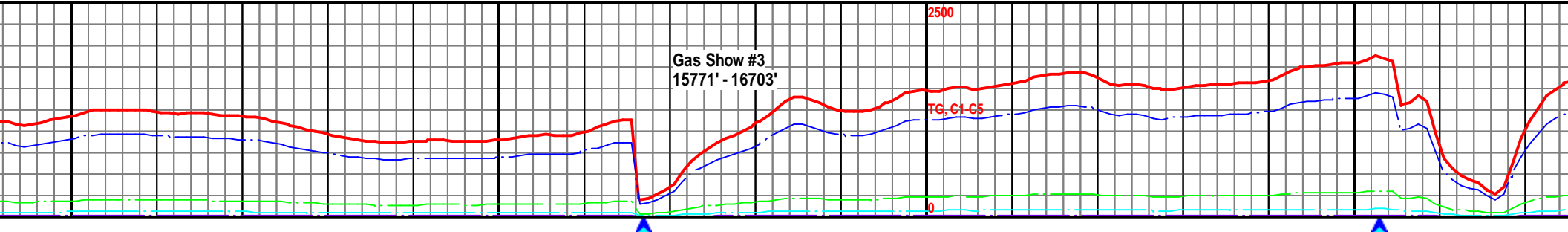


MW: 9.4 / VIS: 48



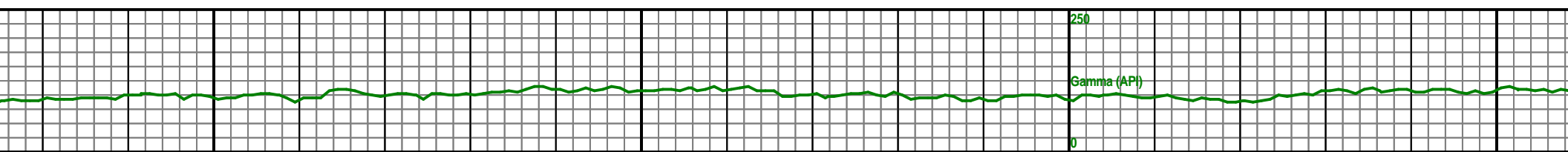
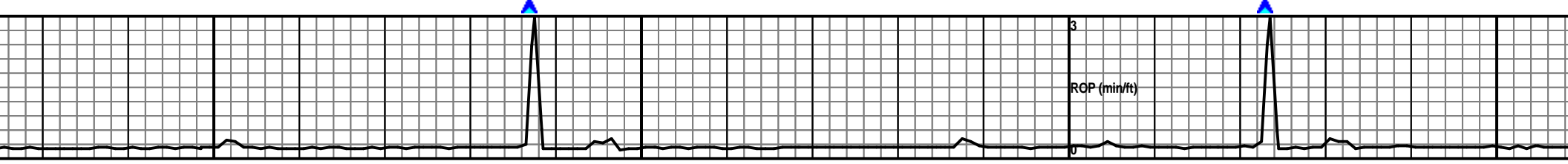
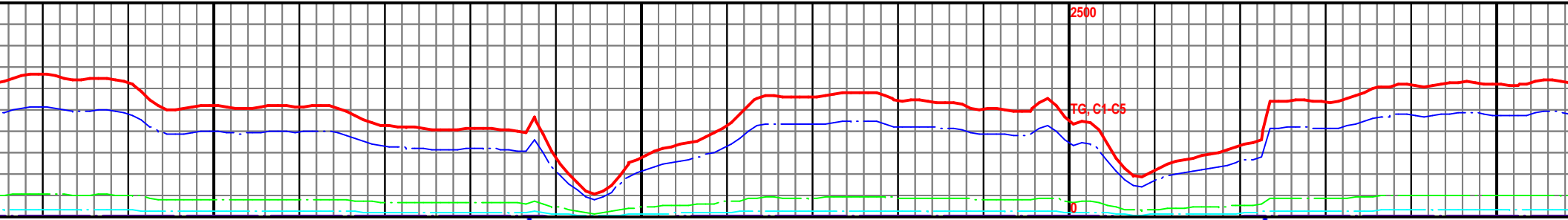
MW: 9.4 / VIS: 48

MW: 9.2 / VIS: 48



MW: 9.2 / VIS: 48

MW: 9.2 / VIS: 48

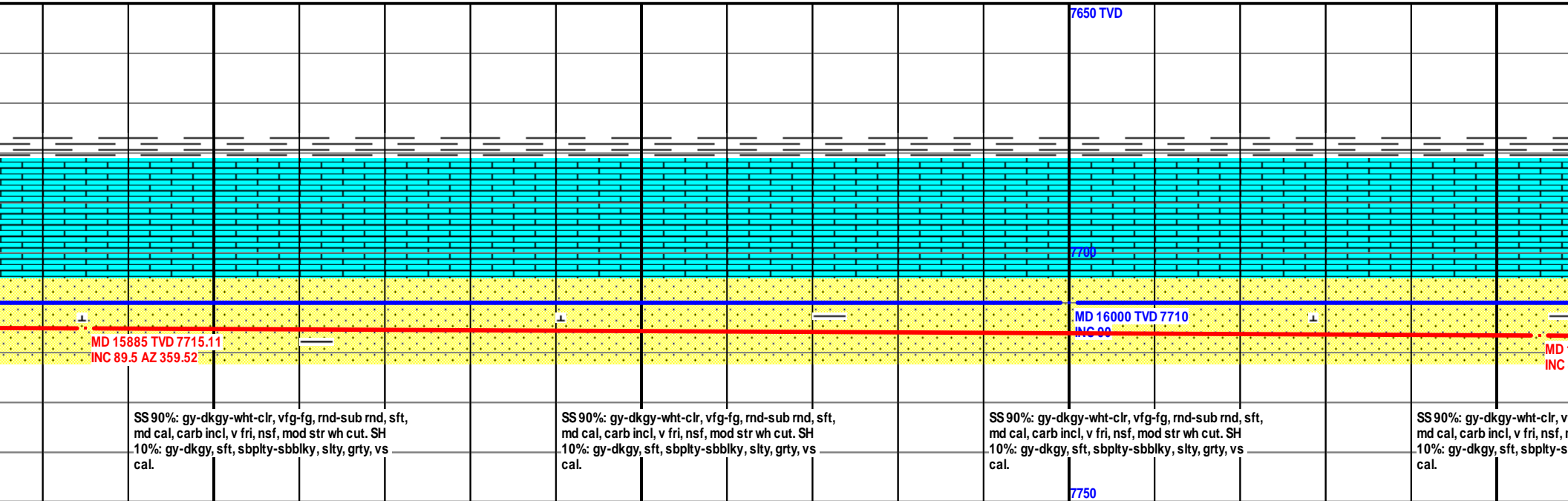


15900

15950

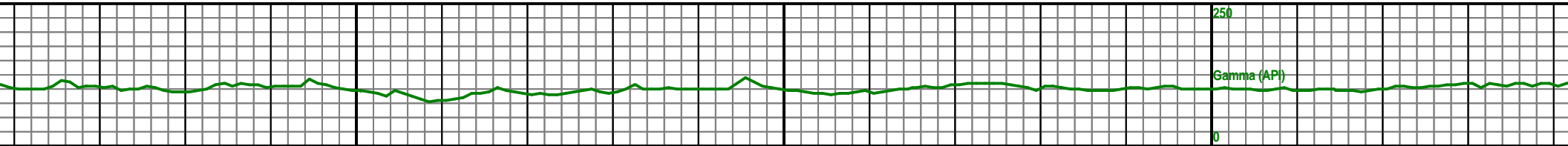
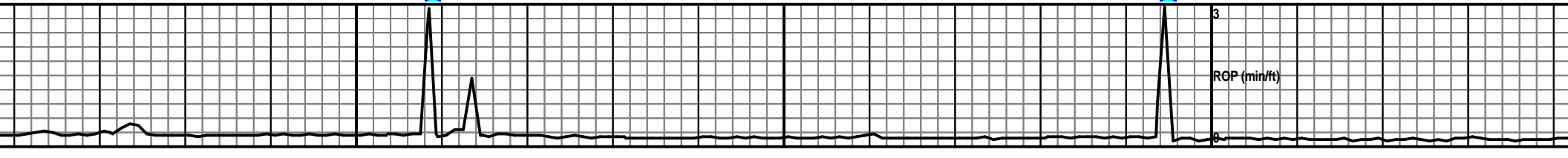
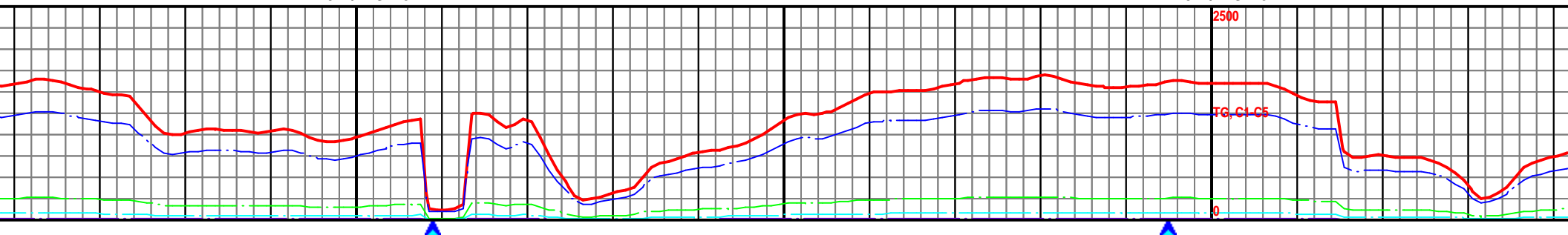
16000

16050



MW: 9.2 / VIS: 48

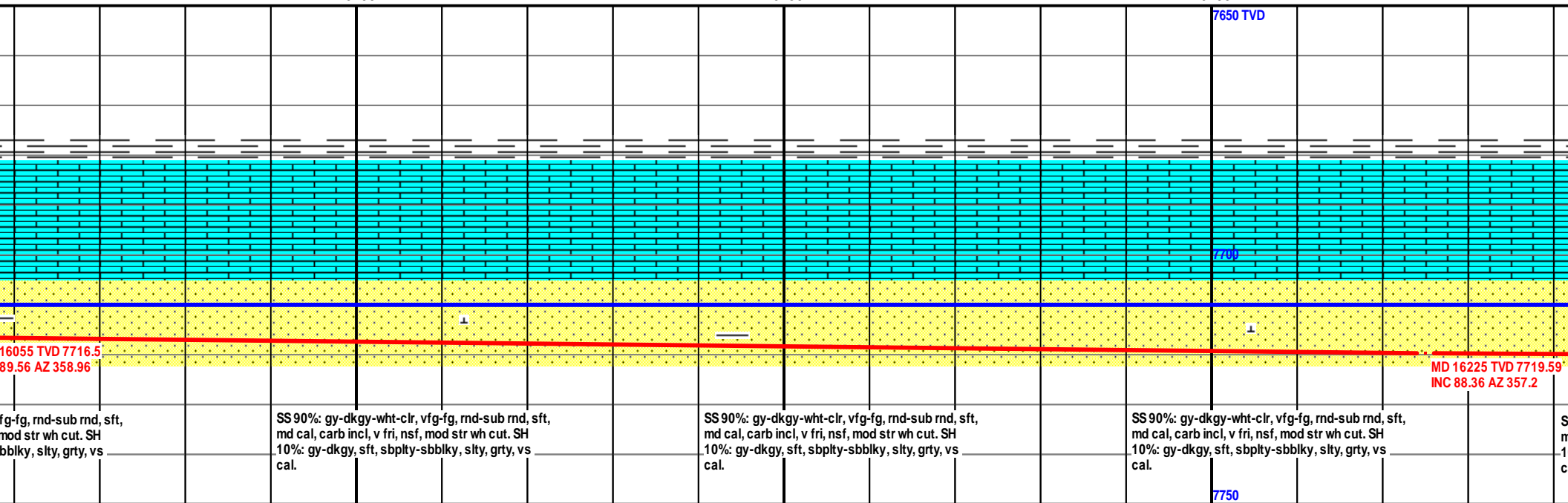
MW: 9.2 / VIS: 48



16100

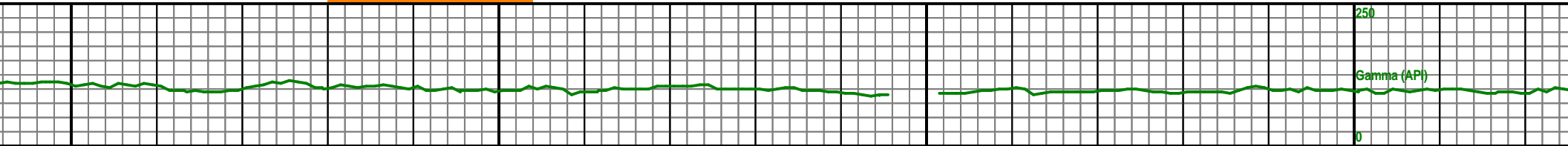
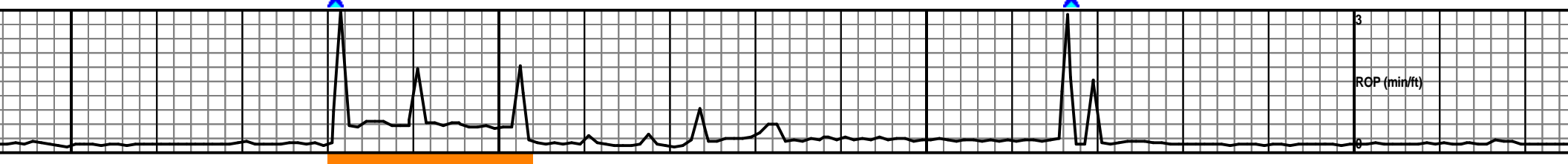
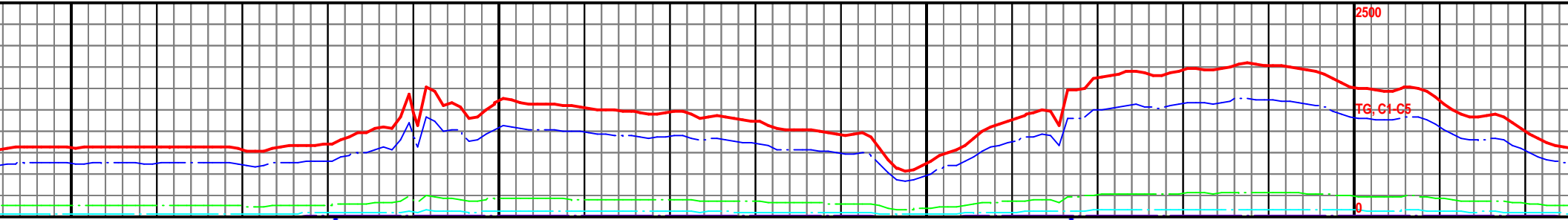
16150

16200



MW: 9.2 / VIS: 48

MW: 9.3 / VIS: 48

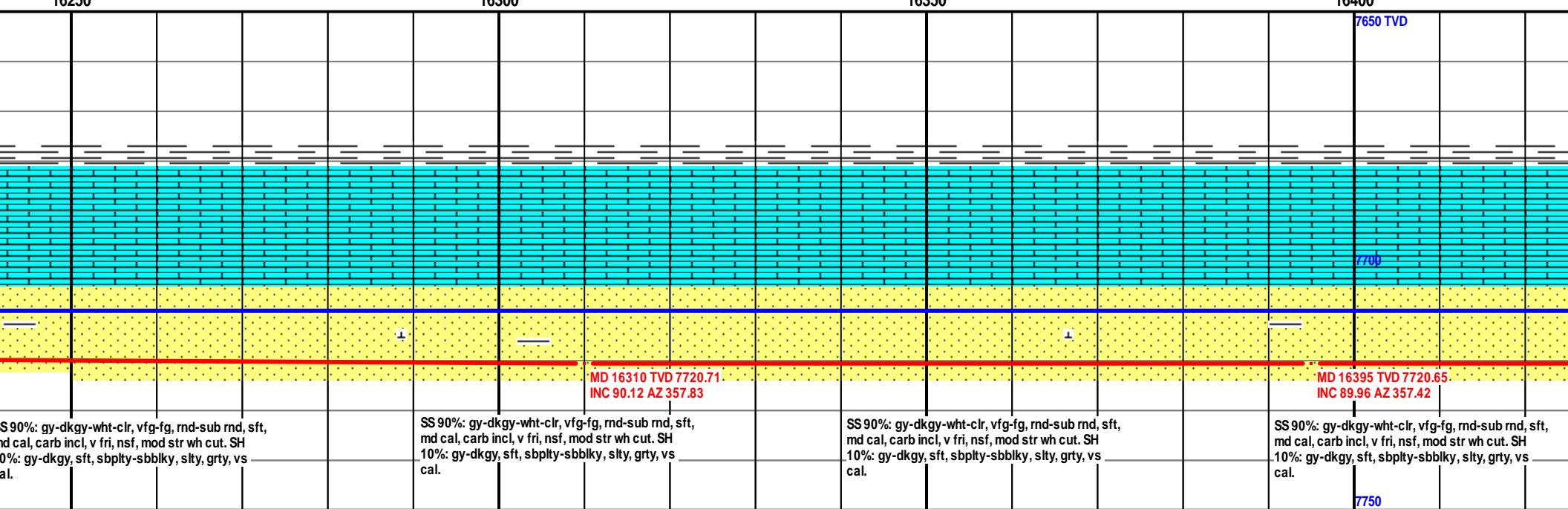


16250

16300

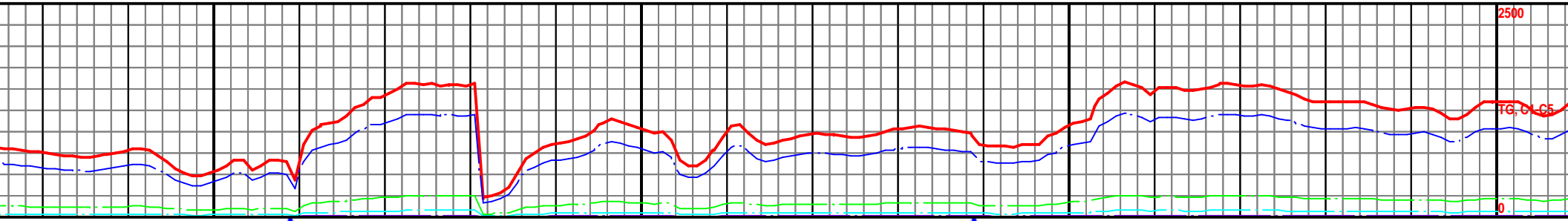
16350

16400



MW: 9.3 / VIS: 48

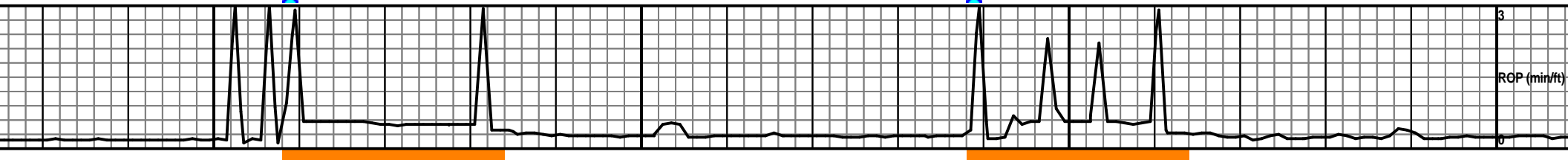
MW: 9.3 / VIS: 48



2500

TG, C5

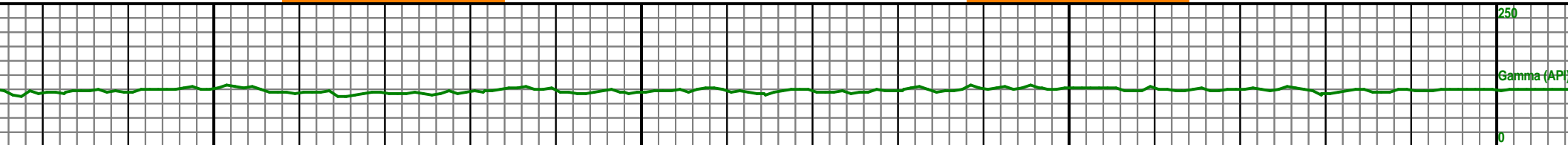
0



3

RGP (min/ft)

0



250

Gamma (API)

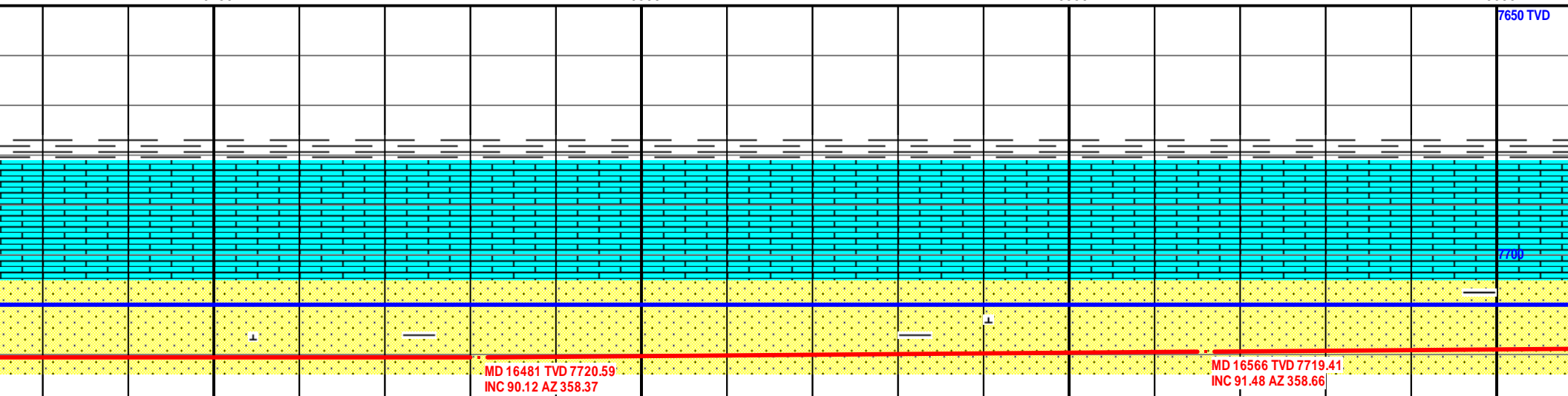
0

16450

16500

16550

16600



7650 TVD

7700

MD 16481 TVD 7720.59
INC 90.12 AZ 358.37

MD 16566 TVD 7719.41
INC 91.48 AZ 358.66

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

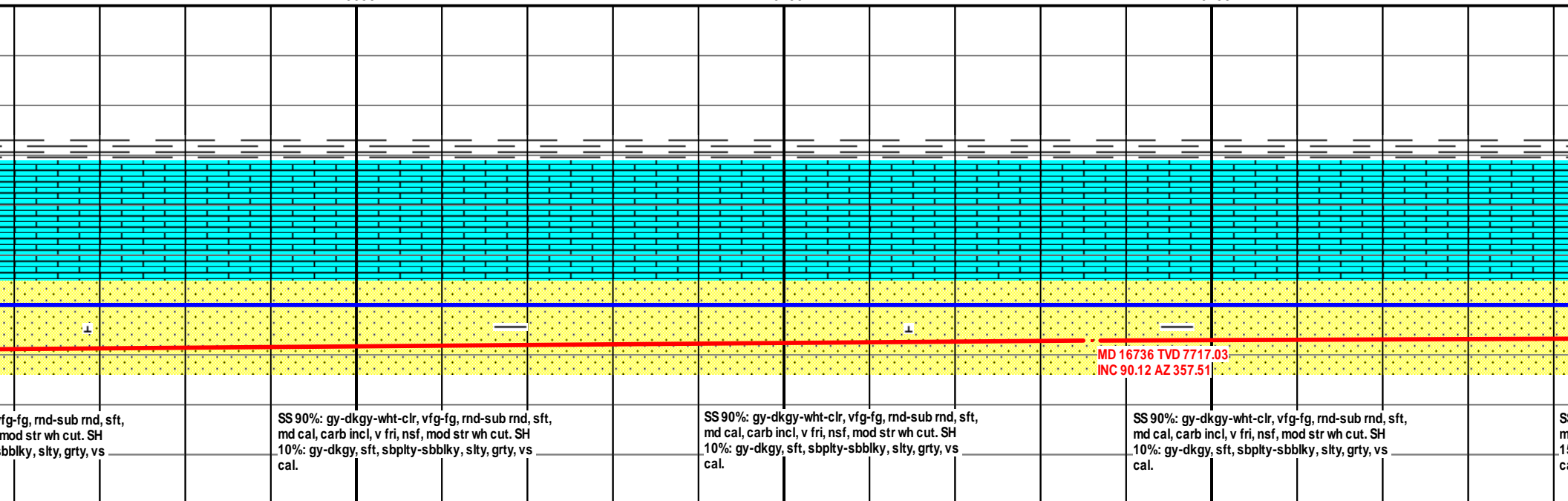
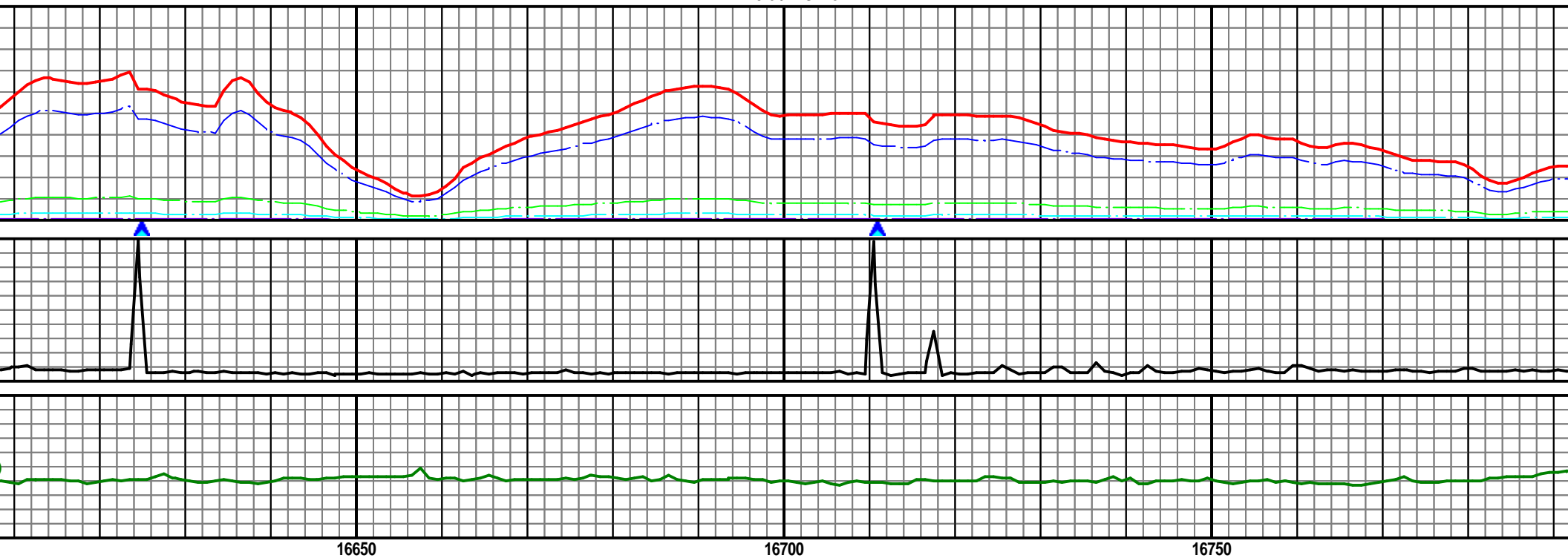
SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

SS 90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpty-sbbiky, slty, grty, vs
cal.

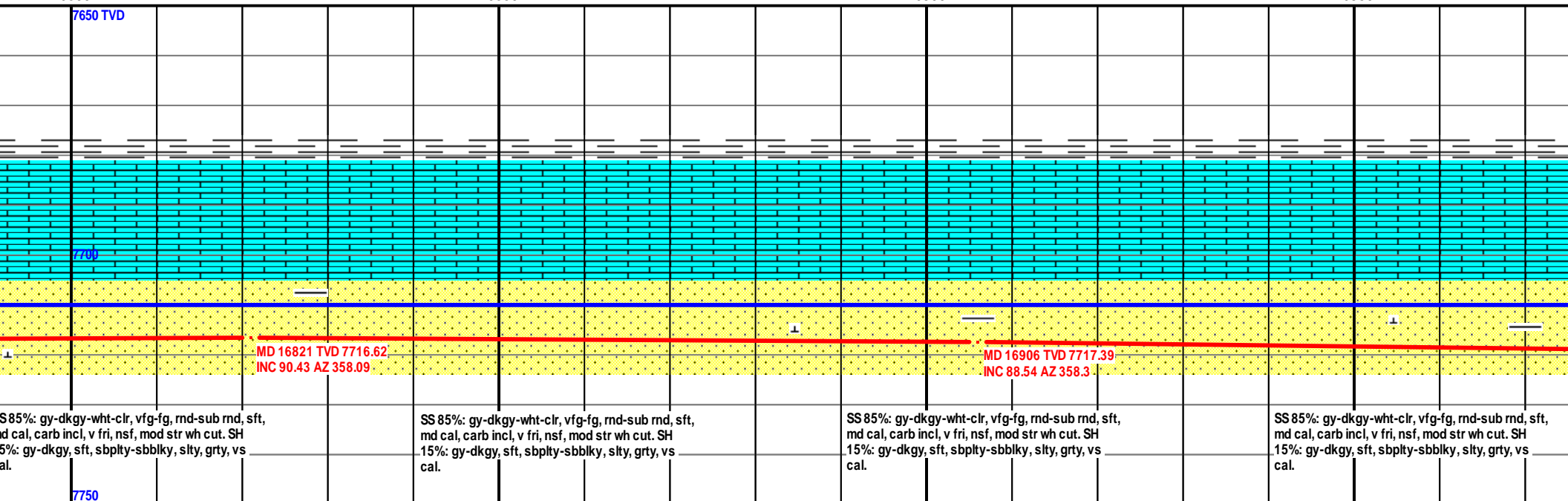
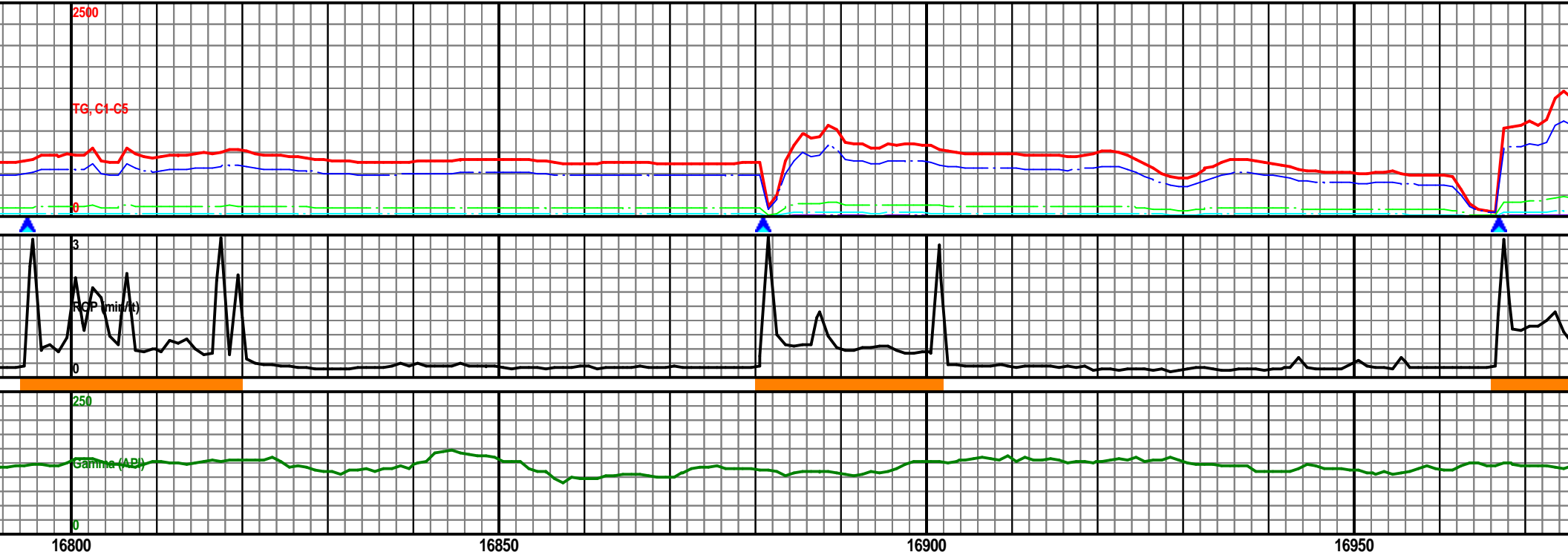
7750

MW: 9.3 / VIS: 48



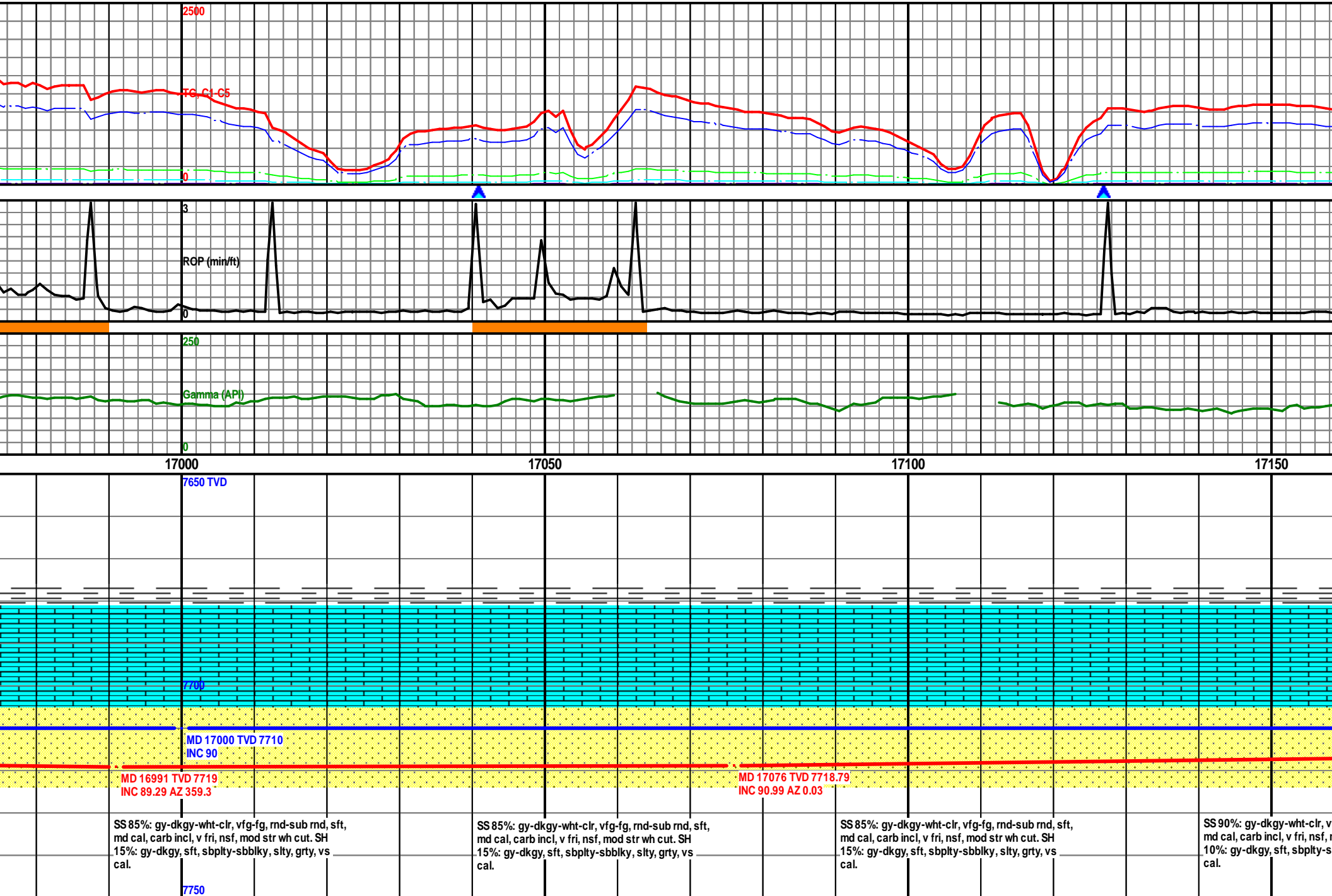
MW: 9.3 / VIS: 48

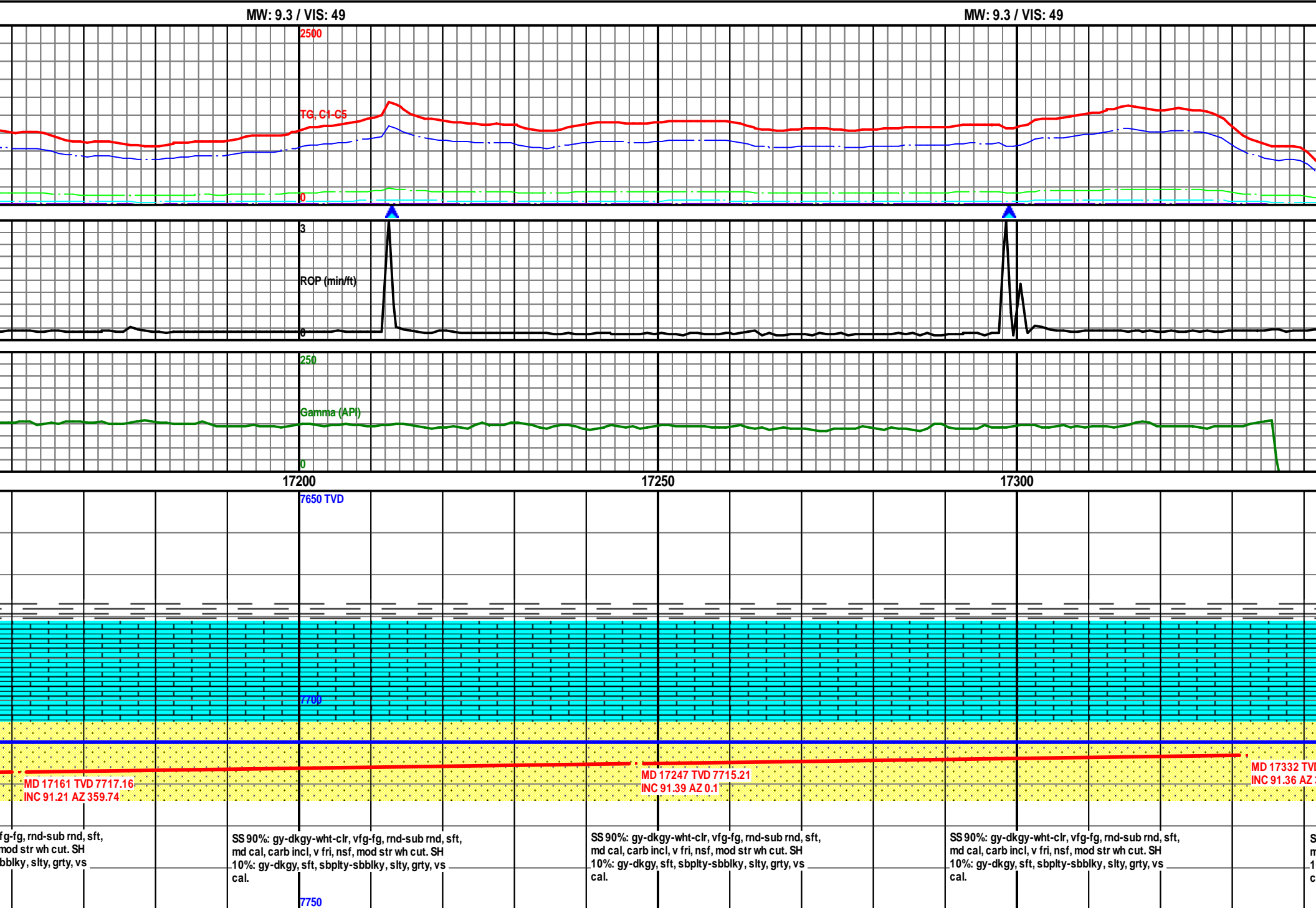
MW: 9.3 / VIS: 51



MW: 9.3 / VIS: 49

MW: 9.3 / VIS: 49





MW: 9.3 / VIS: 49

2500

TD of 17383' MD Achieved @
5:48PM 5/1/2014.

TG, C1-C5

0

3

RGP (min/ft)

0

250

Gamma (A)

Two man logging unit with
sample program released
05/01/14.

Casing completion with
stand-alone gas monitoring

0

17350

17400

Projection to Bit

MD 17383 TVD 711.96
INC 91.36 AZ 359.98

7650 TVD

7700

MD 7713.17
359.98

MD 17383 TVD 7710
INC 90

S90%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
nd cal, carb incl, v fri, nsf, mod str wh cut. SH
0%: gy-dkgy, sft, sbpity-sbbiky, slty, grty, vs
al.

7750