



Scale 1:200 Imperial
Measured Depth Log

Well Name: Benson Farms 25C-19HZ
Location: Weld County, CO.
License Number: 05123393960000
Spud Date: 7/24/14
Surface Coordinates: 2165'FSL & 51'FWL, SEC.24, T3N-R68W
Region: DJ Basin
Drilling Completed: 7/29/14
Bottom Hole Coordinates: 2530'FSL & 2071'FWL, SEC.19, T3N-R67W
Ground Elevation (ft): 4957' K.B. Elevation (ft): 4973'
Logged Interval (ft): 7300' To: 14544' Total Depth (ft): 14544'
Formation: Codell
Type of Drilling Fluid: Water Base Mud

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

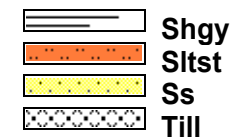
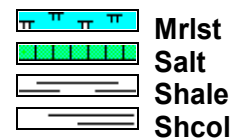
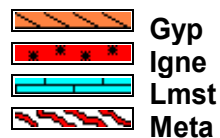
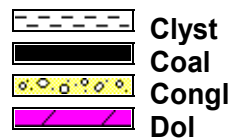
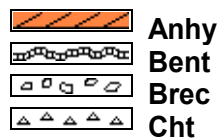
Name: Aaron Wiggins / Ben Thompson
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

Cores

DSTs

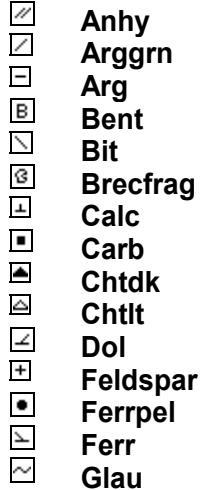
Comments

ROCK TYPES

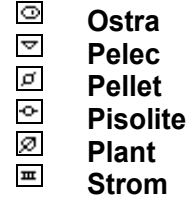
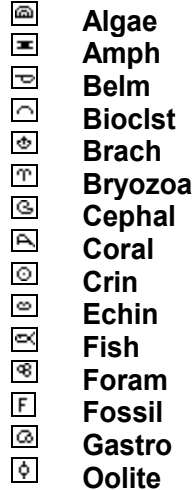


ACCESSORIES

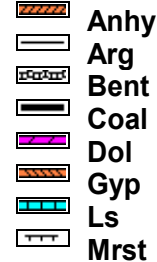
MINERAL



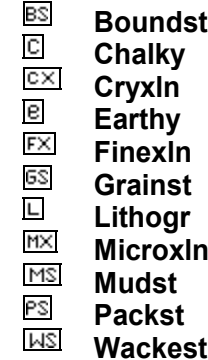
FOSSIL



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

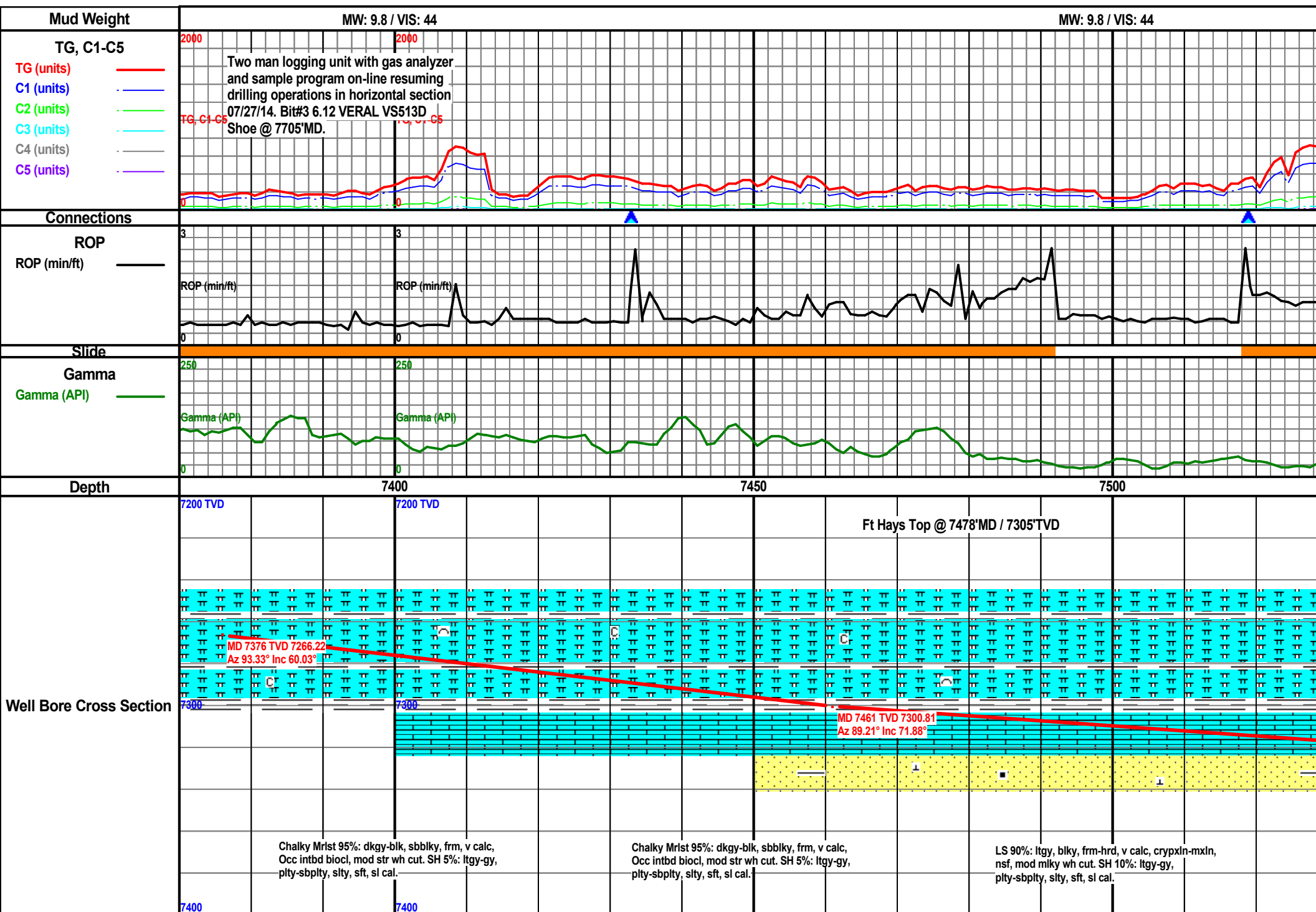
EVENT



Rft



Connection



MW: 9.8 / VIS: 45

MW: 9.8 / VIS: 45

2000

TG, C1-C5

Curve TD of 7705' MD achieved @
6:34am 07/26/14. T.O.O.H. for
intermediate casing. B.O.B. and
drilling ahead @ 2:13pm
07/27/14.

3

ROP (min/ft)

0

250

Gamma (API)

0

7550

7600

7650

7700

Codell Top @ 7587' MD / 7326' TVD

7200 TVD

7280 TVD

Note Scale Change

Drilling Wind

Scale Change
7330

Prognoses Ta

MD 7700 TVD 734
Inc 90.4°

MD 7546 TVD 7320.6
Az 89.47° Inc 81.16°

MD 7631 TVD 7330.52
Az 90.09° Inc 85.43°

MD 7648 TVD 7331.62
Az 90.4° Inc 87.07°

LS 40%: ltgy, blk, frm-hrd, v calc, crypxln-mxln,
nsf, nsfc. SS 50%: gy-dkgy-wht-clr, mg-cg,
rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str
wh cut. SH 10%: dkgy, plty-sbplty, sity, grty, sft, sl
cal.

SS 90%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 10%:
dkgy, plty-sbplty, sity, grty, sft, sl cal. Tr LS.

SS 90%: gy-dkgy-wht-clr, mg-fg, rnd-sub
md cal, carb incl, fri, nsf, slw str wh cut. S
dkgy, plty-sbplty, sity, grty, sft, sl cal.

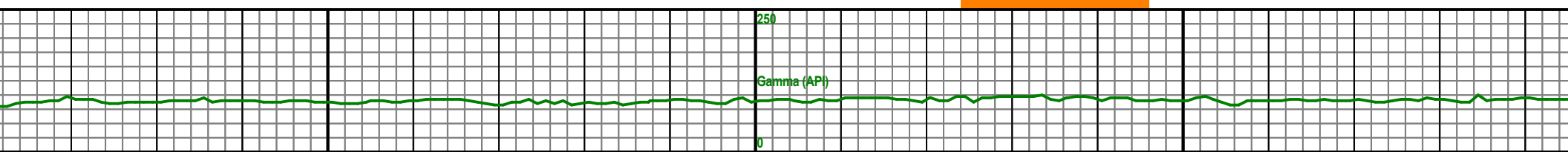
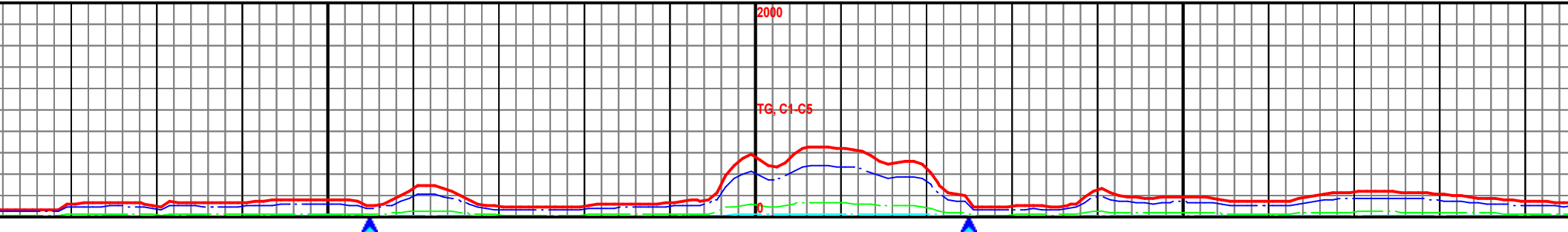
LS 90%: ltgy, blk, frm-hrd, v calc, crypxln-mxln,
nsf, mod mlky wh cut. SH 10%: ltgy-gy,
plty-sbplty, sity, sft, sl cal.

7400

7380

MW: 9.2 / VIS: 42

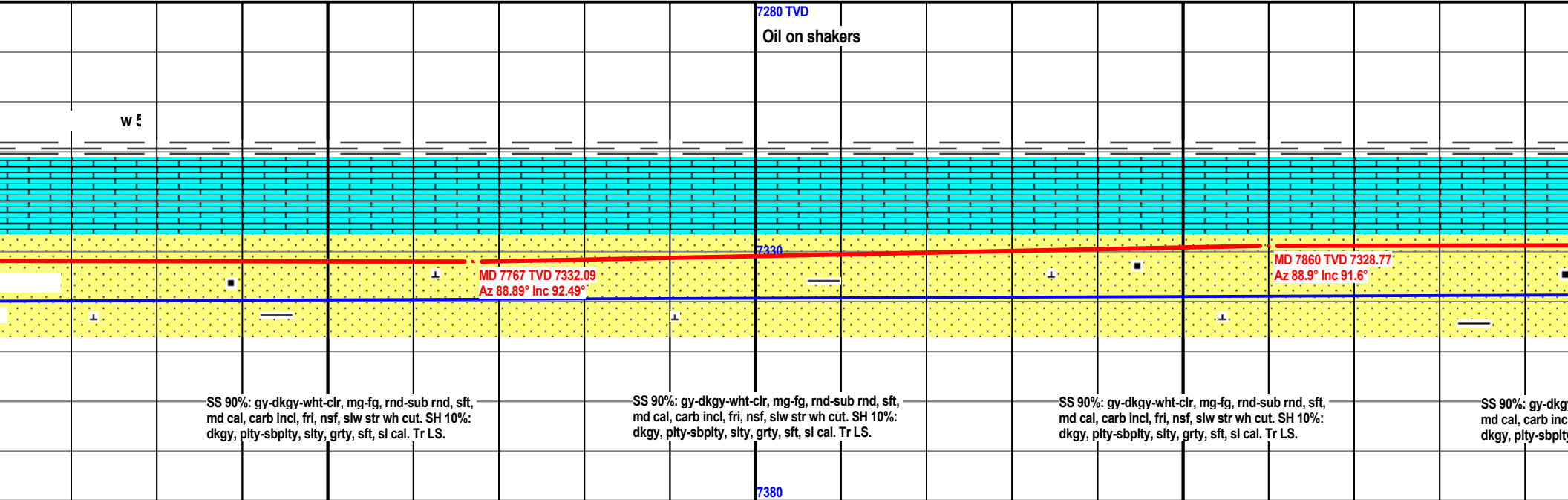
MW



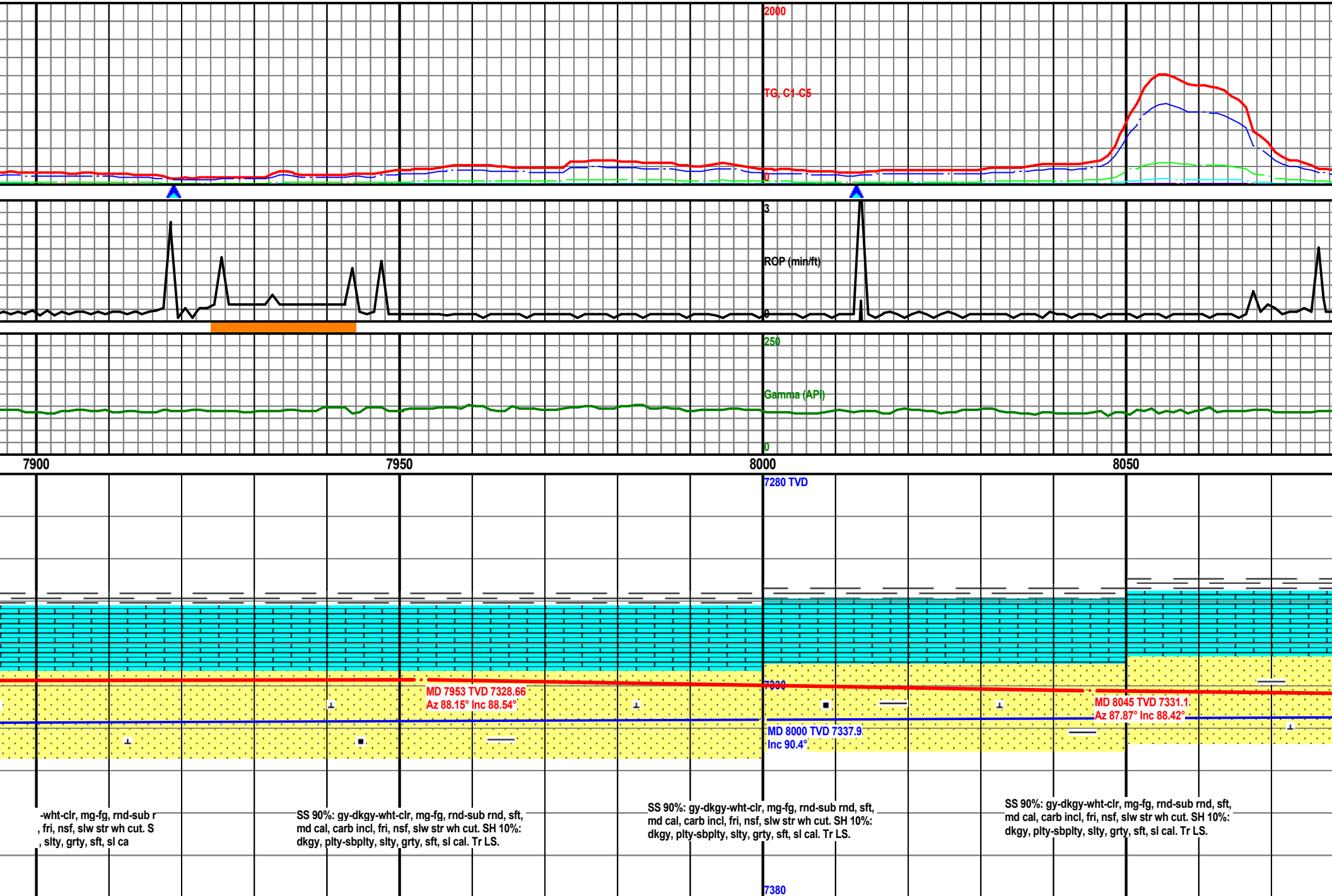
7750

7800

7850

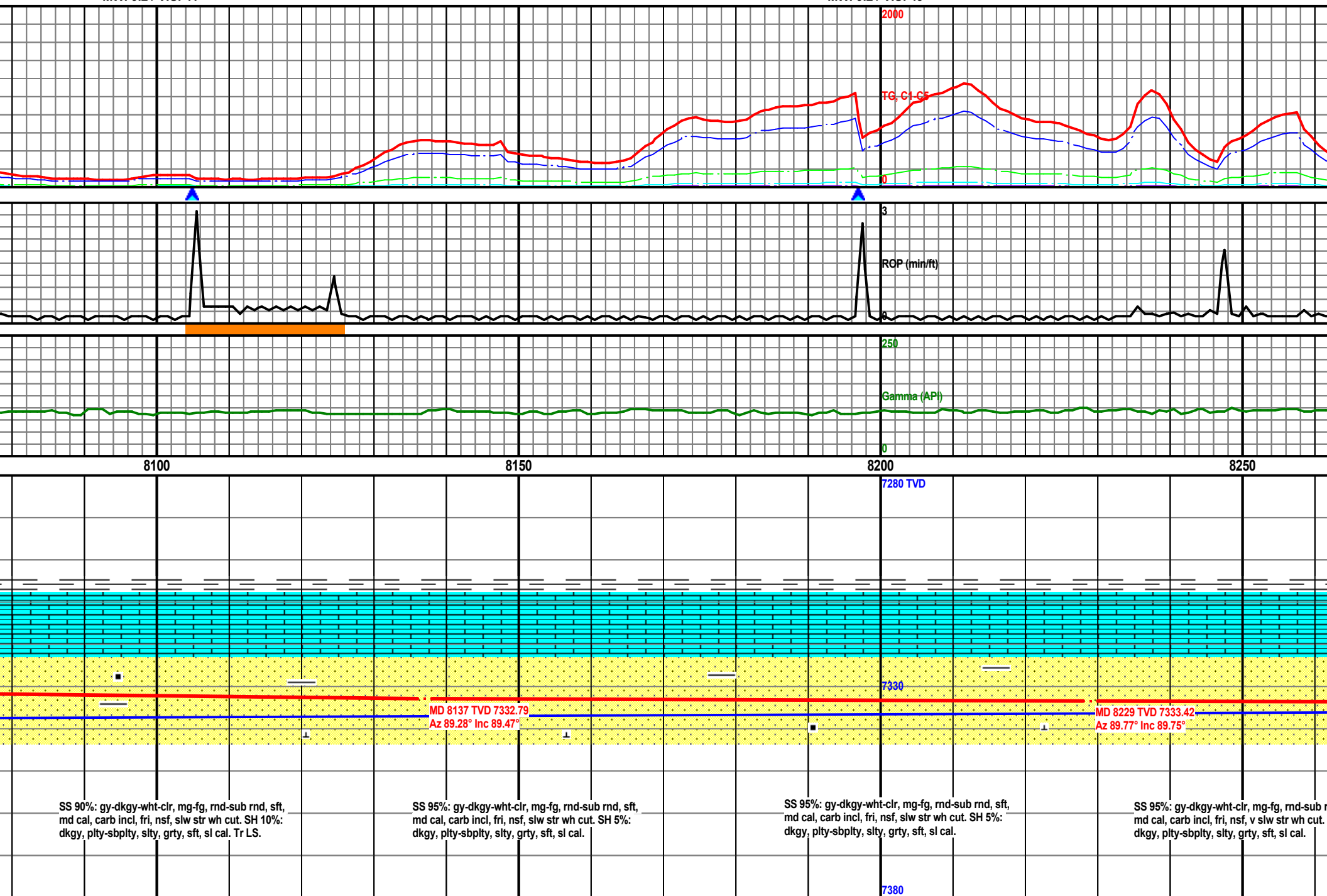


MW: 9.2 / VIS: 41



MW: 9.2 / VIS: 41

MW: 9.2 / VIS: 43



MW: 9.2 / VIS: 43

MW: 9.3 / VIS: 46

Gas Buster On

2000
TG, C1-C5
0

3
ROP (min/ft)

250
Gamma (API)
0

8300

8350

8400

7280 TVD

7330

MD 8291 TVD 7333.64
Az 89.44° Inc 89.85°

MD 8413 TVD 7332.98
Az 89.45° Inc 90.77°

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

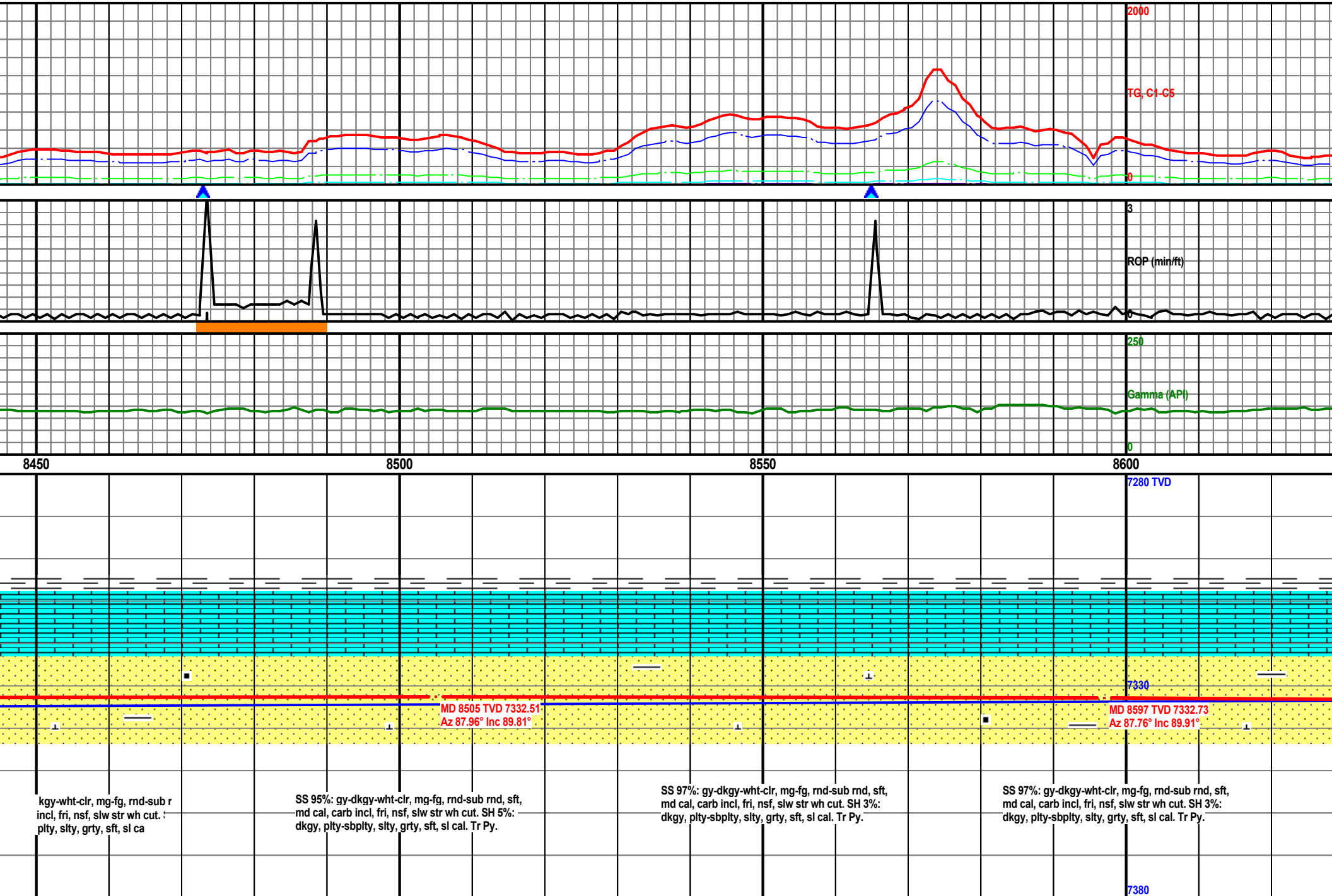
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7380

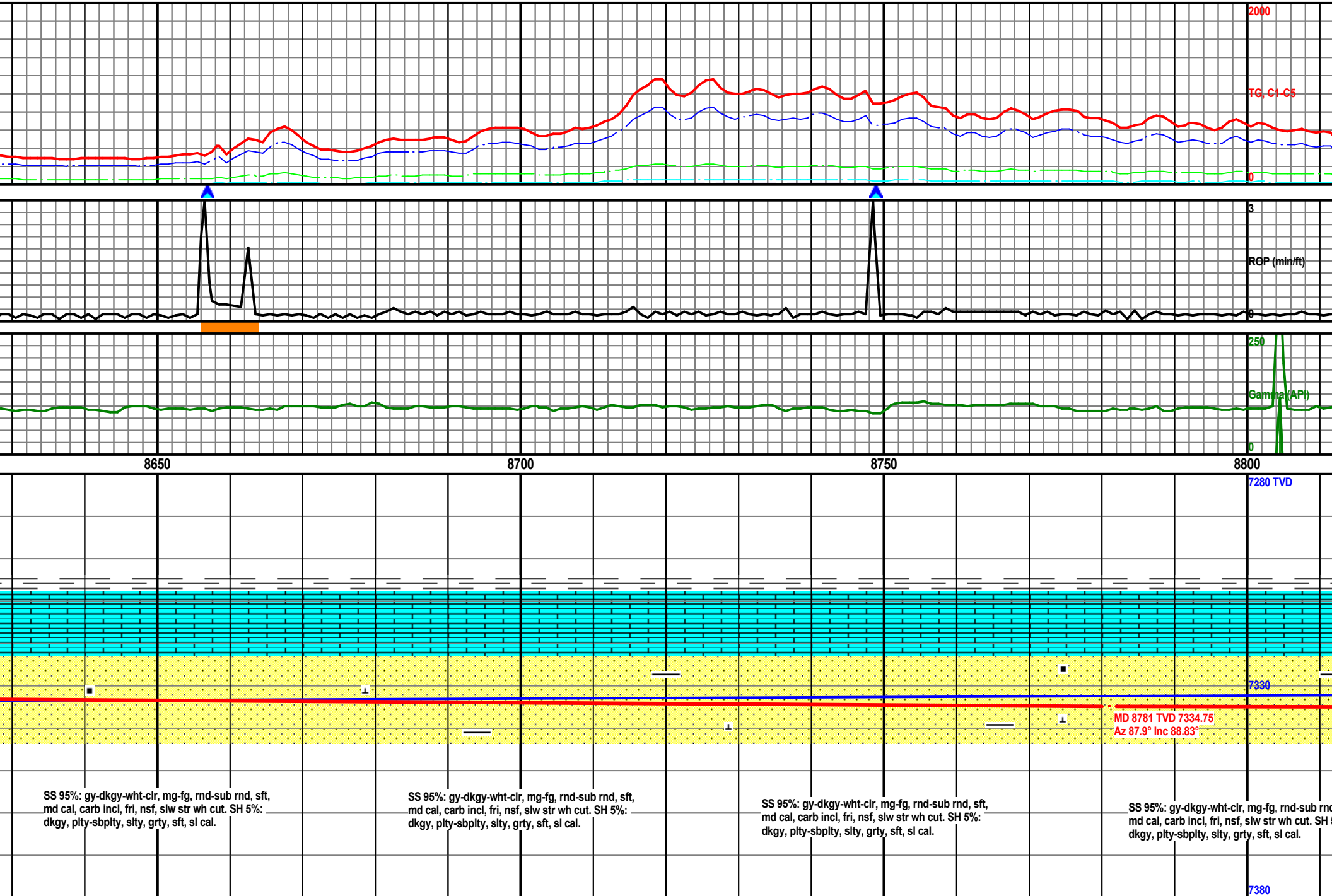
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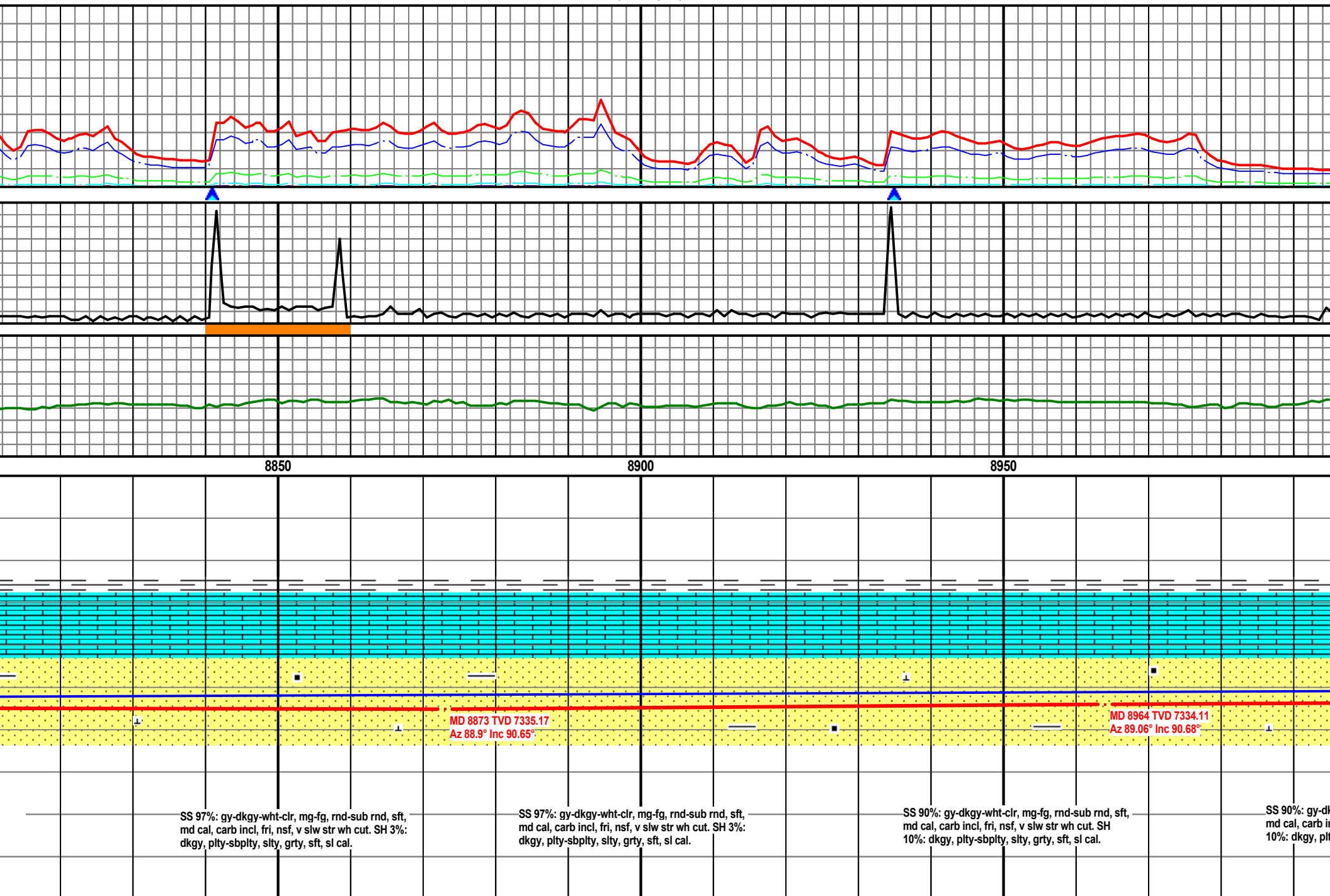
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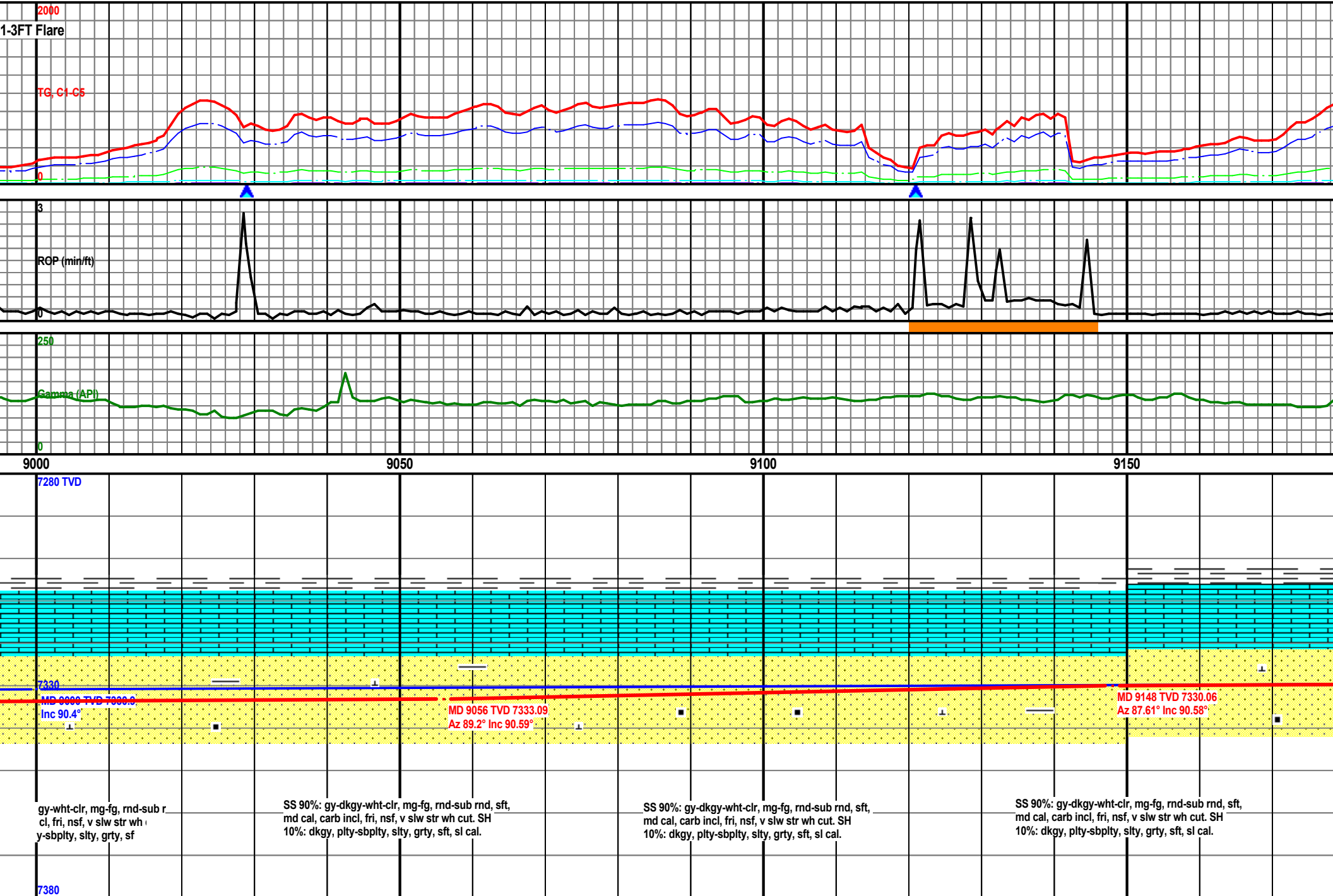
MW: 9.3 / VIS: 46

MW: 9.3 / VIS: 46





MW: 9.4 / VIS: 46



MW: 9.4 / VIS: 46

MW: 9.4 / VIS: 46

2000

1-3FT Flare

5FT Flare

TG, C1-C5

0

3

ROP (min/ft)

0

250

Gamma (API)

0

9200

9250

9300

9350

7280 TVD

7300

MD 9240 TVD 7329.03
Az 87.42° Inc 90.71°

7380

SS 90%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH
10%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 3%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

MW: 9.4 / VIS: 46

MW: 9.5 / VIS: 48

2000
3-5FT Flare

TG, C1-C5

0

3

RQP (min/ft)

250

Gamma (API)

0

9400

9450

9500

7280 TVD

7330

MD 9424 TVD 7325.7
Az 87.87° Inc 91.36°

MD 9516 TVD 7323.99
Az 89.09° Inc 90.77°

SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 3%:
dkgy, plty-sbply, slty, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbply, slty, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbply, slty, grty, sft, sl cal.

SS 100%: gy-d
md cal, carb in

7380

MW: 9.5 / VIS: 48

MW: 9.5 / VIS: 48

3-5FT Flare

2000

TG, C1-C5

0

3

ROP (min/ft)

0

250

Gamma (API)

0

9550

9600

9650

9700

7280 TVD

7330

7380

MD 9608 TVD 7322.78
Az 88.65° Inc 90.74°

MD 9700 TVD 7321.34
Az 88.52° Inc 91.05°

kg-y-wht-clr, mg-fg, rnd-sub
cl, fri, nsf, v slw str wh cut.

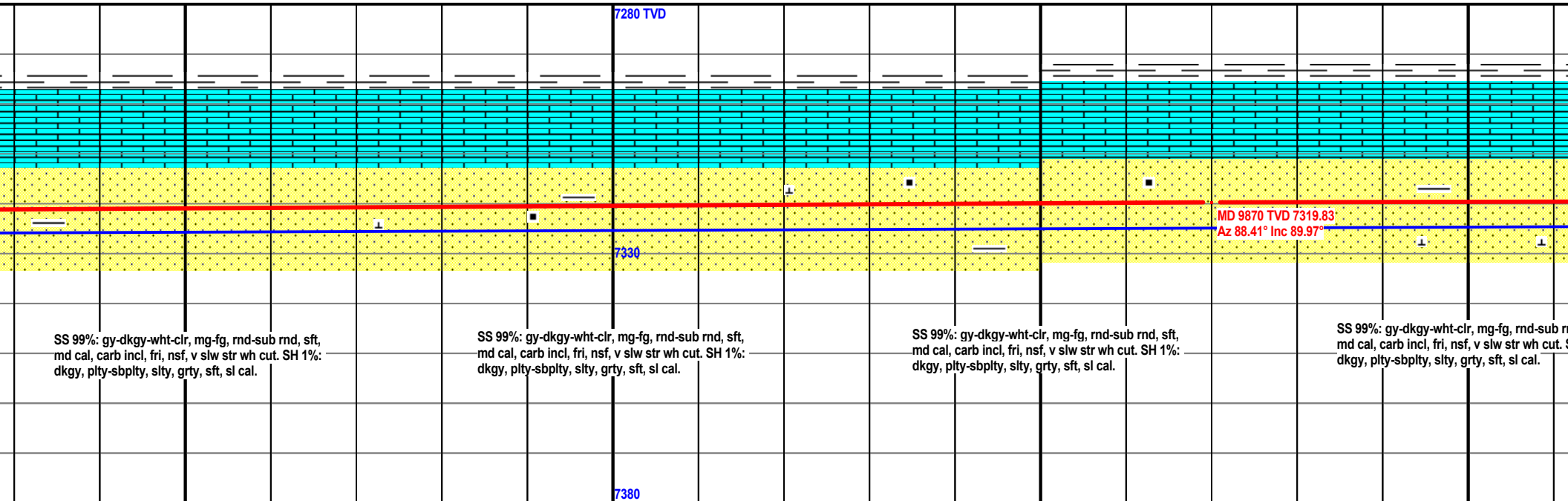
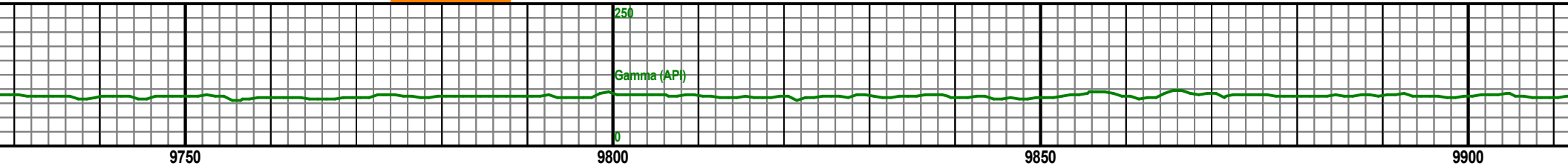
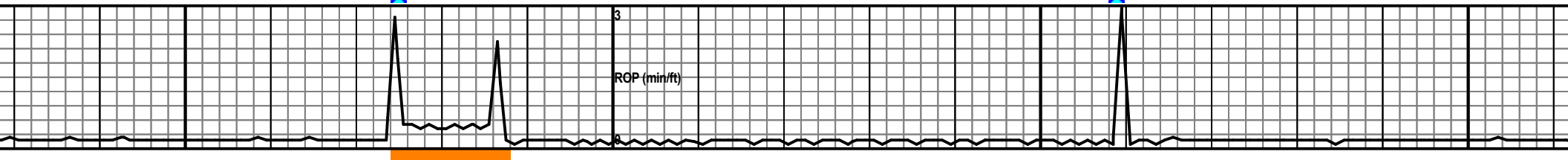
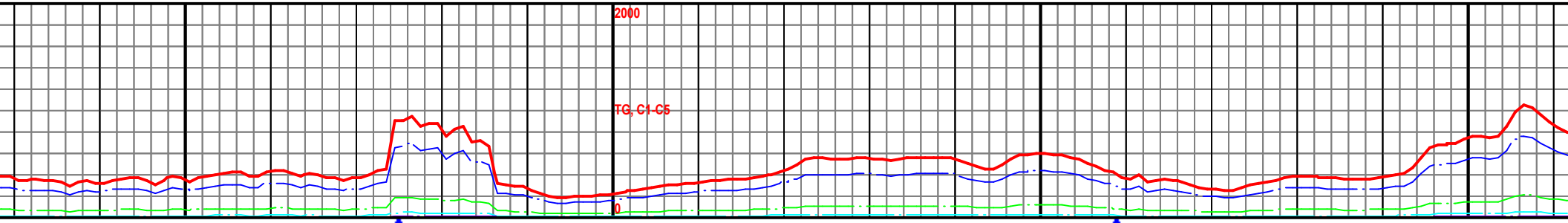
SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr Py.

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr Py.

MW: 9.4 / VIS: 46

MW: 9.4 / VIS: 46



MW: 9.4 / VIS: 45

2000

2-5FT Flare

TG, C1-C5

0

3

ROP (min/ft)

250

Gamma (API)

0

10100

10150

10200

10250

7260 TVD

07/28/14 4:00am Depth @ 10224'MD

7310

MD 10210 TVD 7319.15

Az 88.94° Inc 89.57°

7360

-wht-clr, mg-fg, rnd-sub r
fri, nsf, v slw str wh cut. :
silty, grty, sf

SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 3%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 3%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

MW: 9.4 / VIS: 45

MW: 9.4 / VIS: 45

2-3FT Flare

5FT Flare

TG, C1-C5

0

3

ROP (min/ft)

0

250

Gamma (API)

0

10300

10350

10400

10450

7260 TVD

7310

MD 10381 TVD 7319.79°
Az 88.99° Inc 90°

SS 99%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 1%:
dkgy, plty-sbply, slty, grty, sft, sl cal.

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub
md cal, carb incl, fri, nsf, v slw str wh cut.

7360

MW: 9.6/ VIS: 45

MW: 9.6/ VIS: 45

2000
1 FT Flare

TG, C1-C5

0

3

ROP (min/ft)

250

Gamma (API)

0

10500

10550

10600

7260 TVD

7310

MD 10500 TVD 7320.4
Inc 90.4°

MD 10551 TVD 7318.38
Az 88.89° Inc 90.95°

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 100%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. Tr SH.

SS 98%: gy-dkgy-
md cal, carb incl,
dkgy, plty-sbply,

7360

MW: 9.6/ VIS: 45

MW: 9.6/ VIS: 45

1-2 FT Flare

2000

TG, C1-C5

0

ROP (min/ft)

3

0

Gamma (API)

250

0

7260 TVD

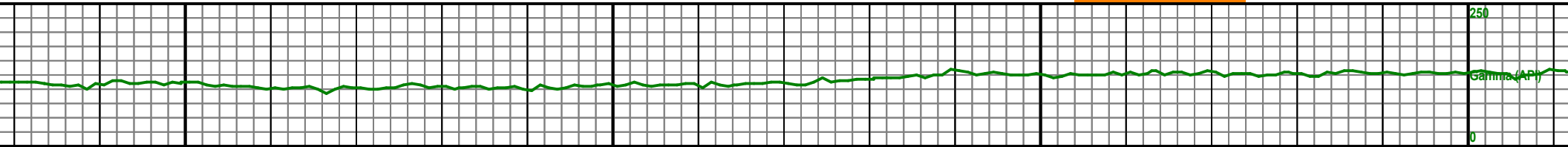
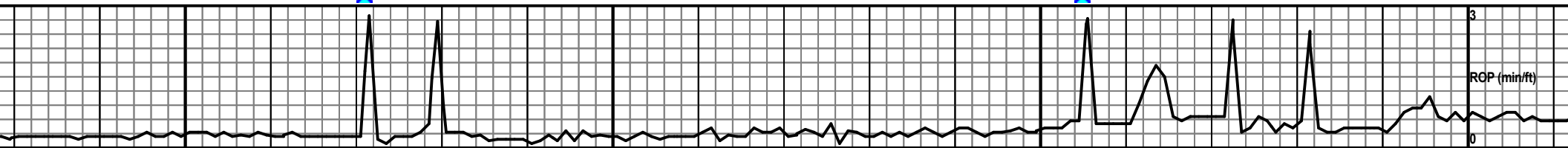
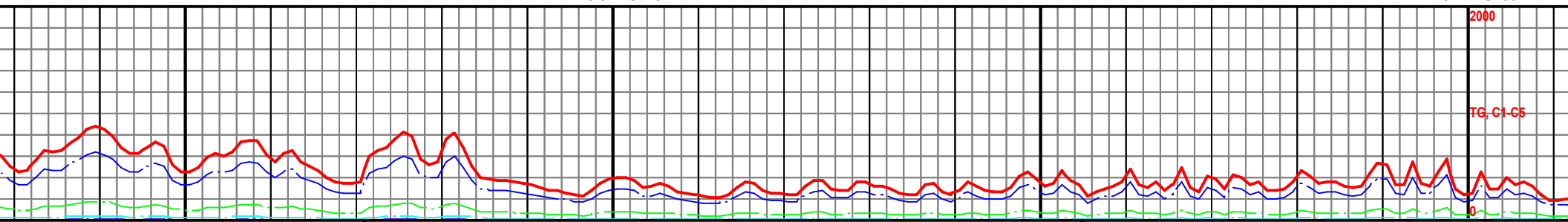
7310

MD 10721 TVD 7318.35°
Az 89.25° Inc 89.07°ht-clr, mg-fg, rnd-sub r
ri, nsf, v slw str wh cut. :
silty, grty, sfSS 98%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 2%:
dkgy, plty-sbply, silty, grty, sft, sl cal.SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 5%:
dkgy, plty-sbply, silty, grty, sft, sl cal.SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH 5%:
dkgy, plty-sbply, silty, grty, sft, sl cal.

7360

MW: 9.6/ VIS: 45

MW: 9.7/ VIS: 50

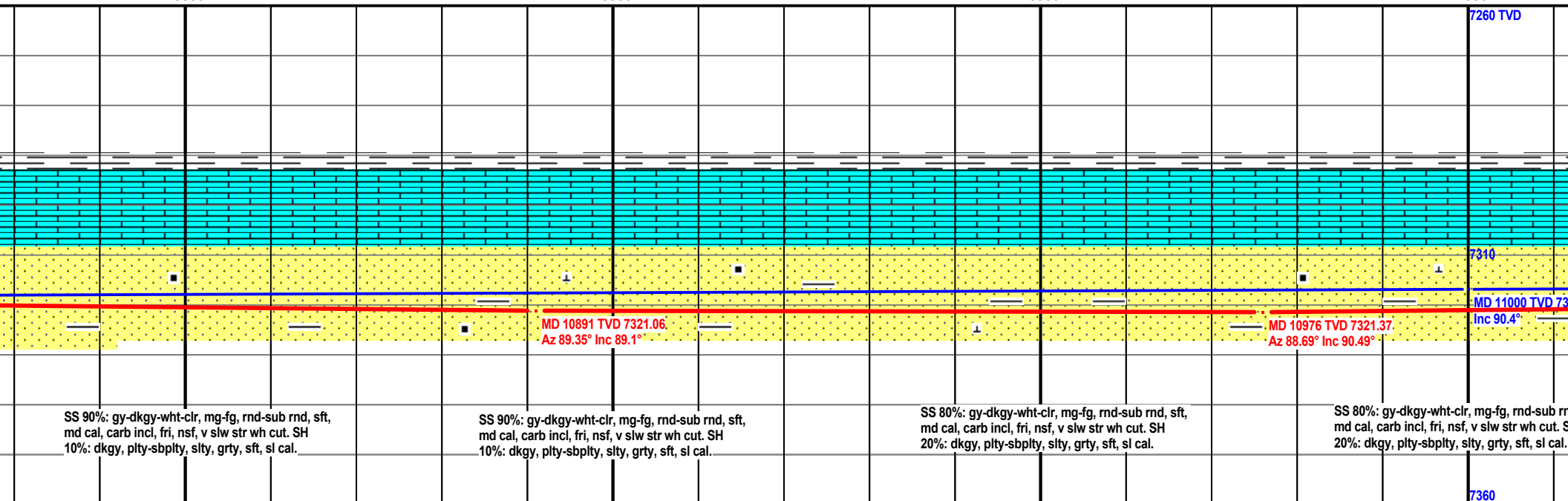


10850

10900

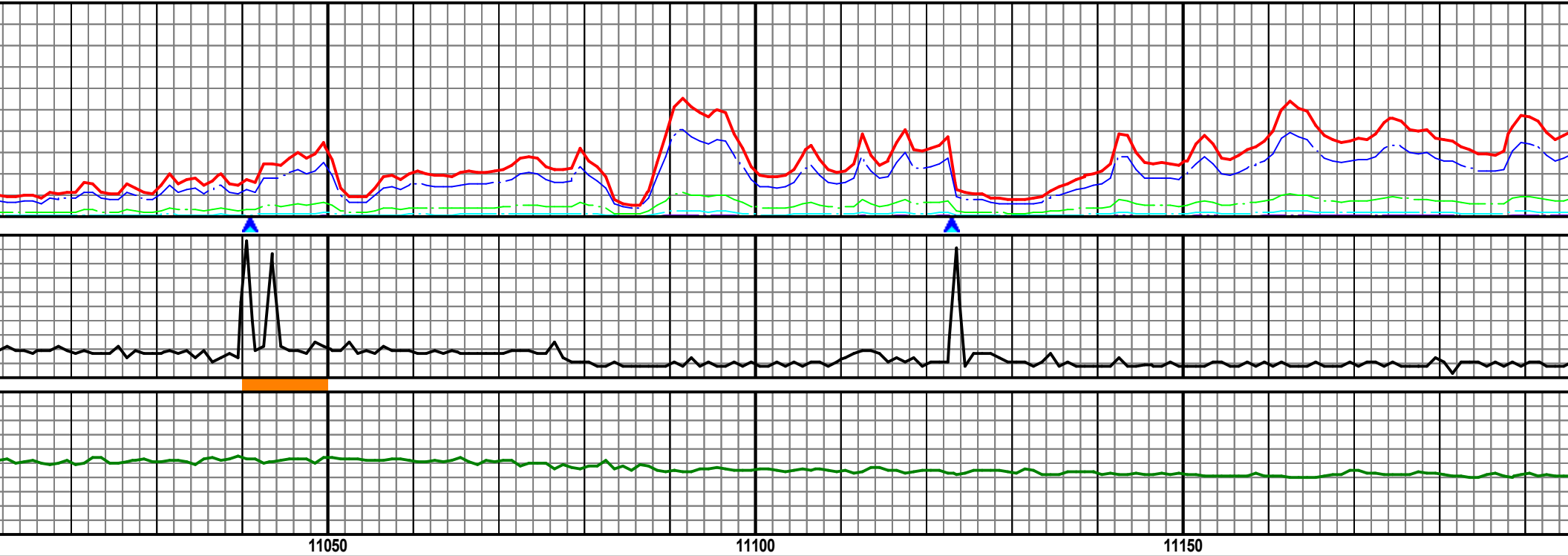
10950

11000



MW: 9.7/ VIS: 50

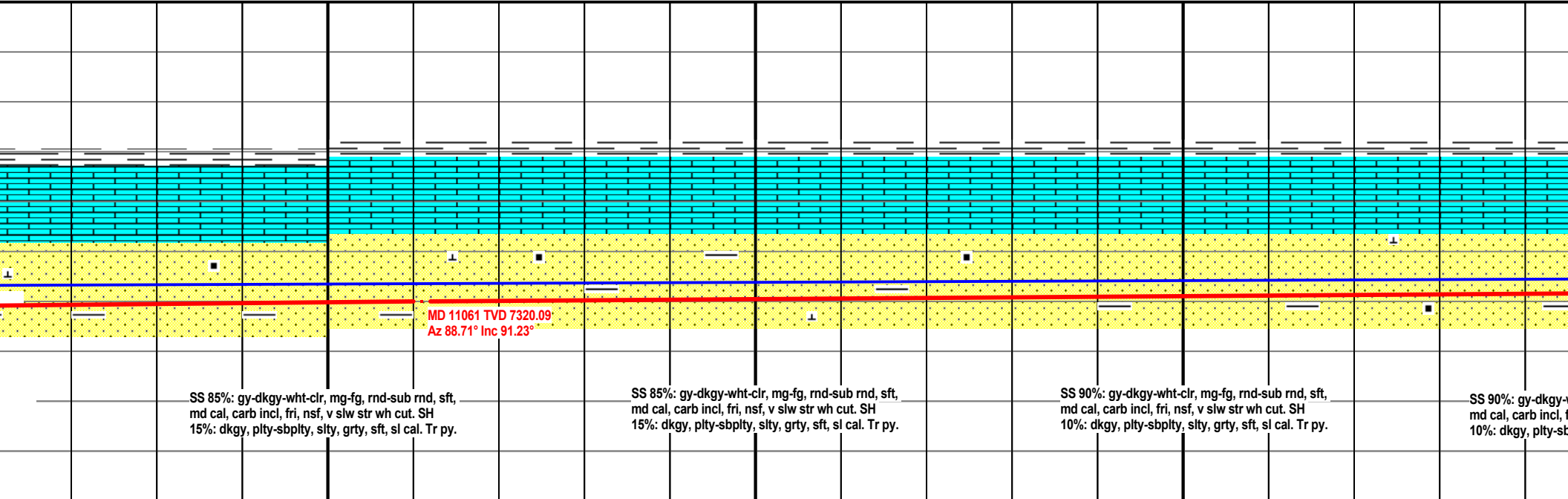
MW



11050

11100

11150



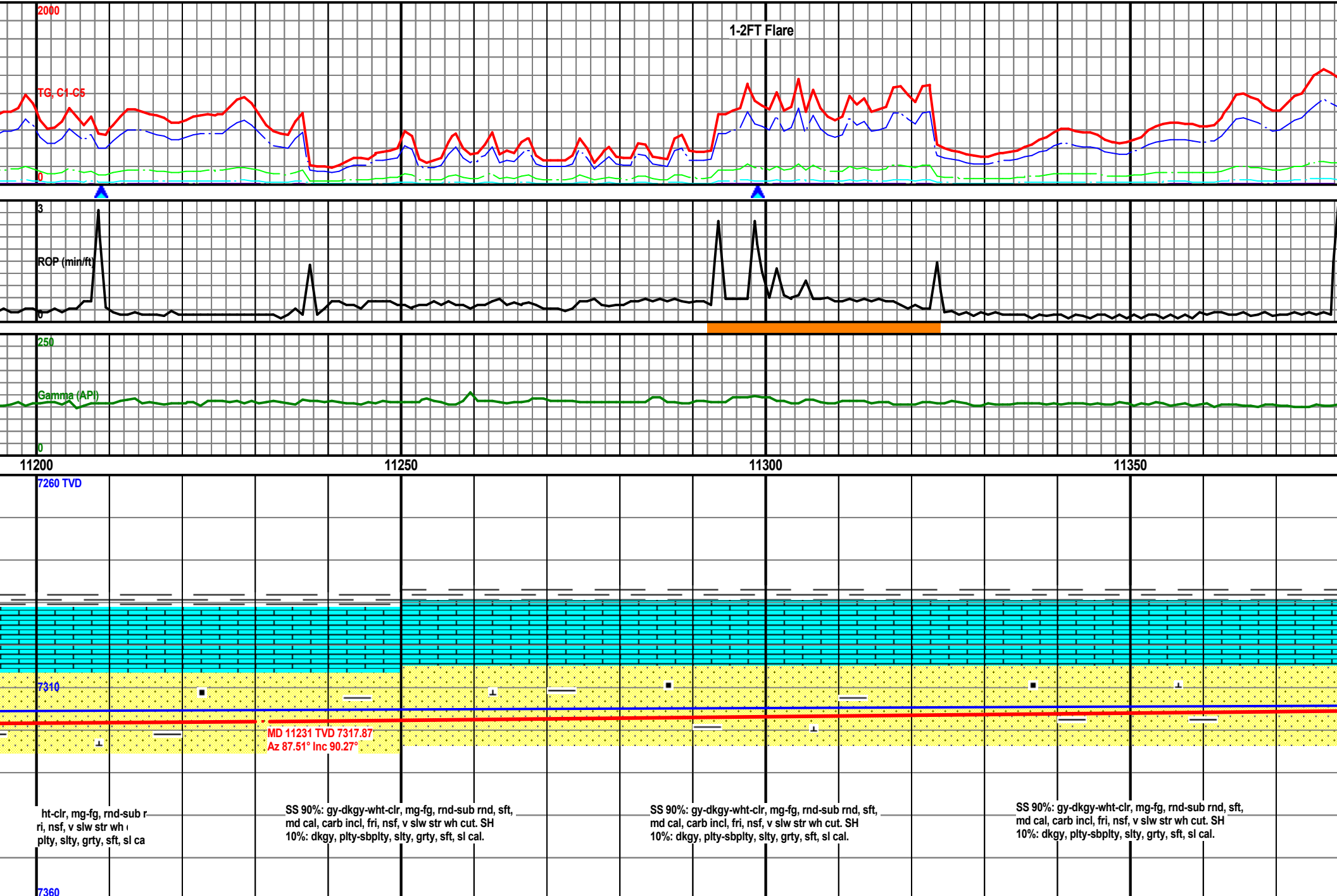
SS 85%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH
15%: dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr py.

SS 85%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH
15%: dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr py.

SS 90%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH
10%: dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr py.

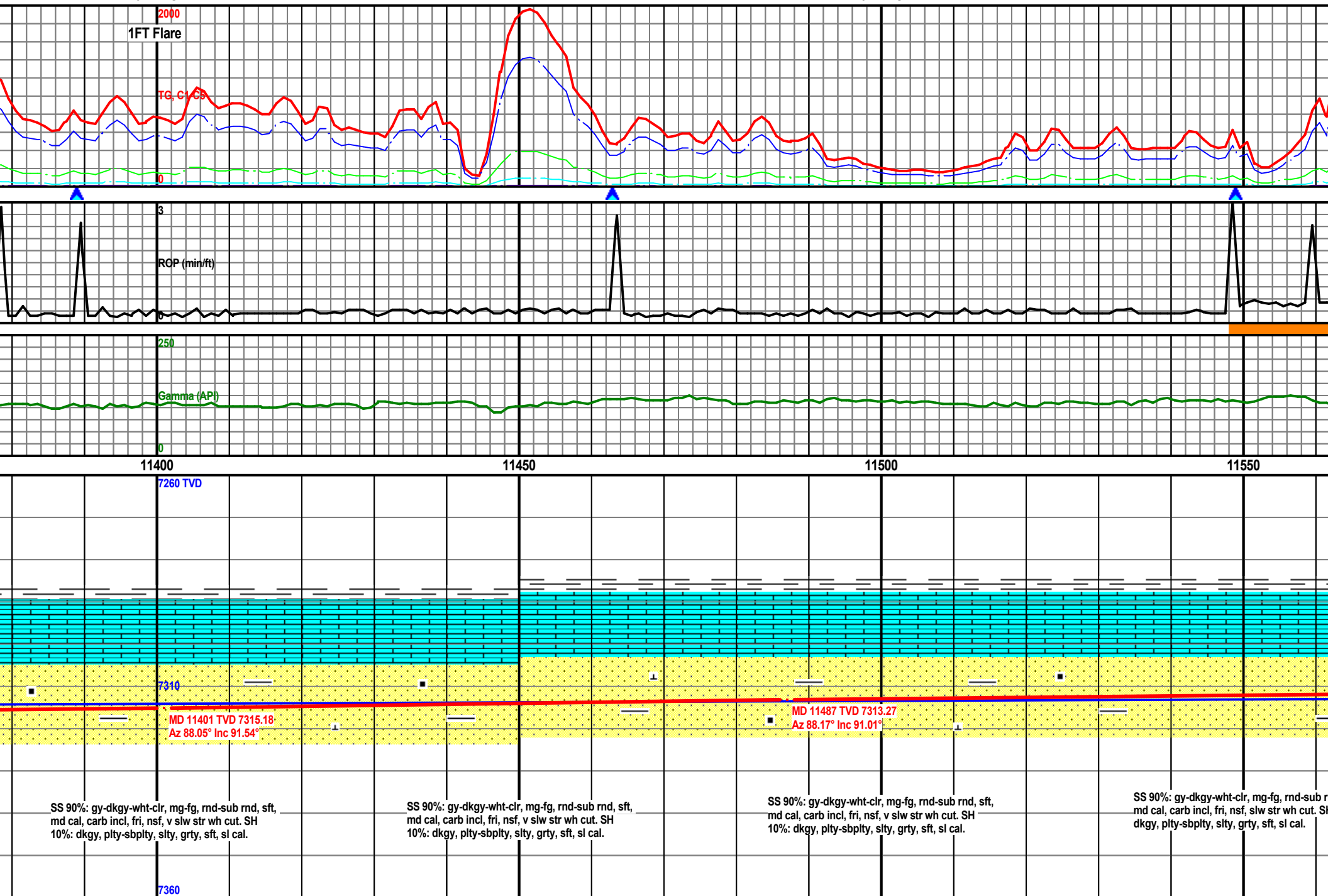
SS 90%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, v slw str wh cut. SH
10%: dkgy, plty-sbplty, slty, grty, sft, sl cal. Tr py.

MW: 9.7/ VIS: 50



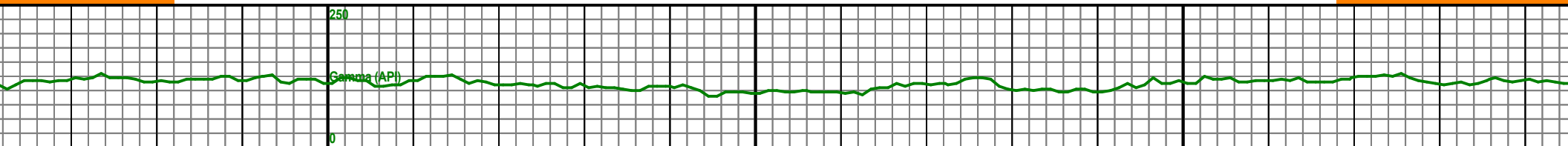
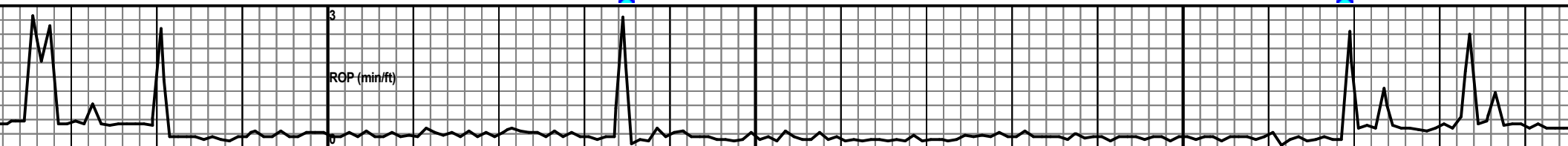
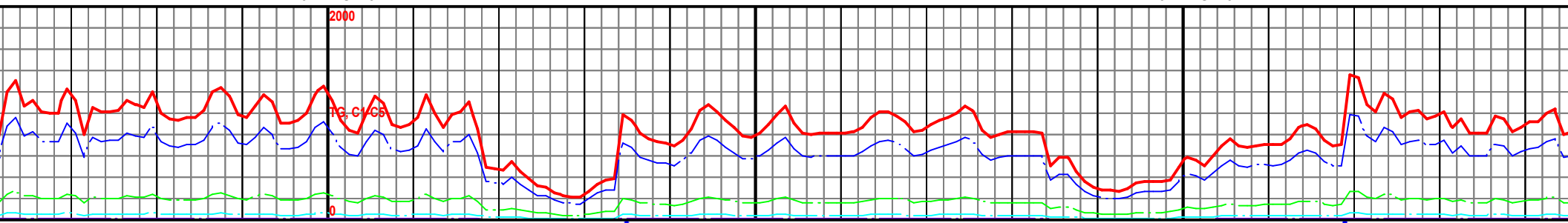
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MW: 9.7/ VIS: 47



MW: 9.7/ VIS: 45

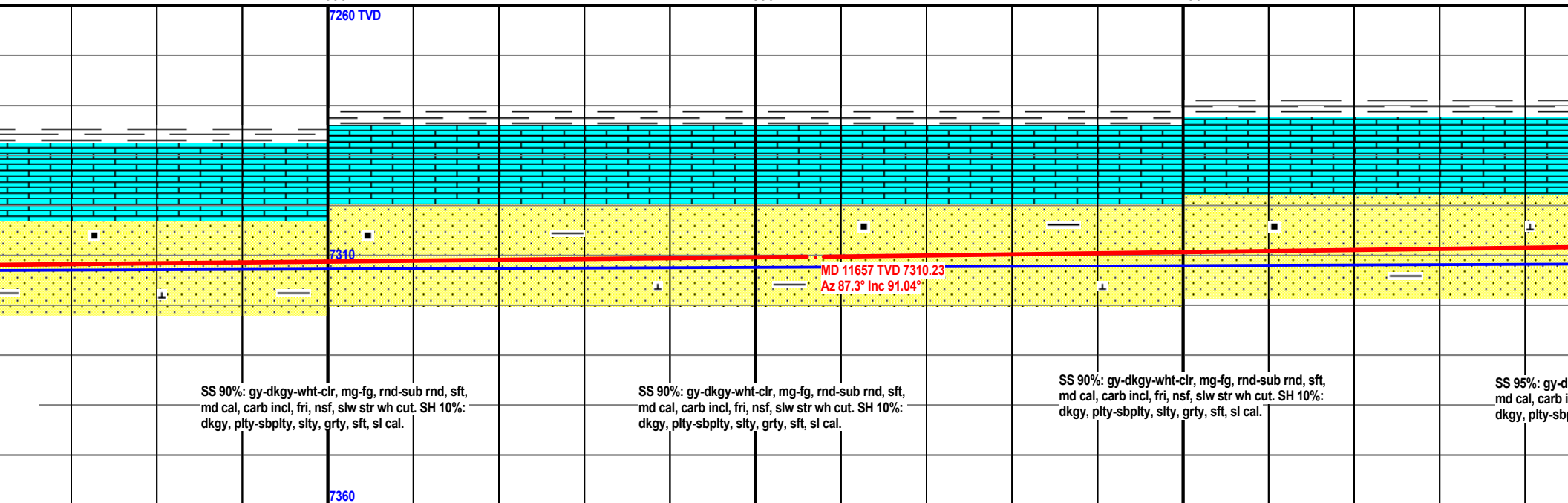
MW: 9.7/ VIS: 45



11600

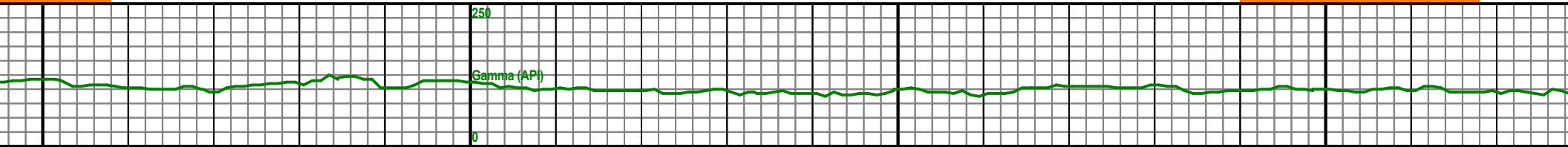
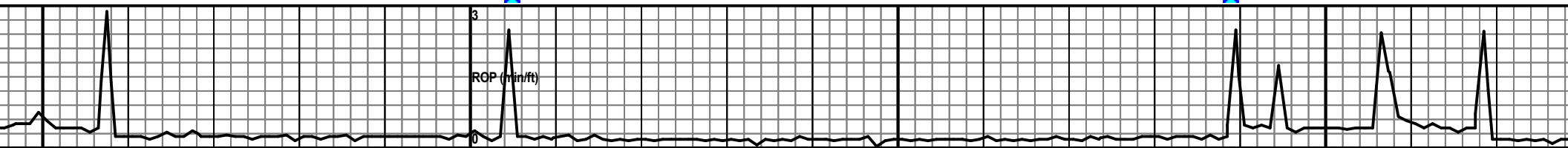
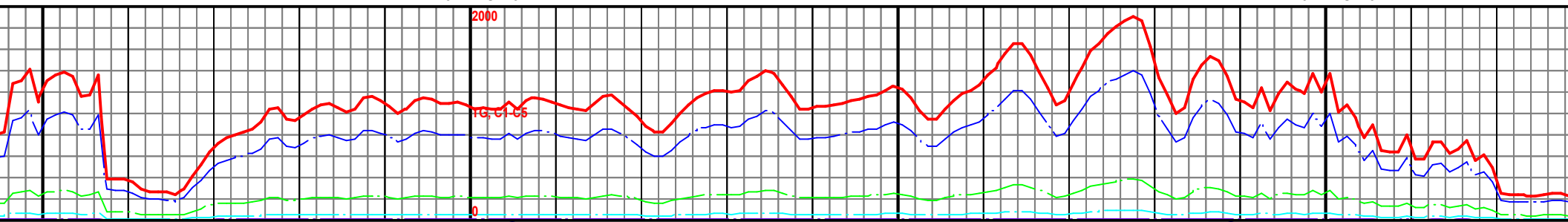
11650

11700

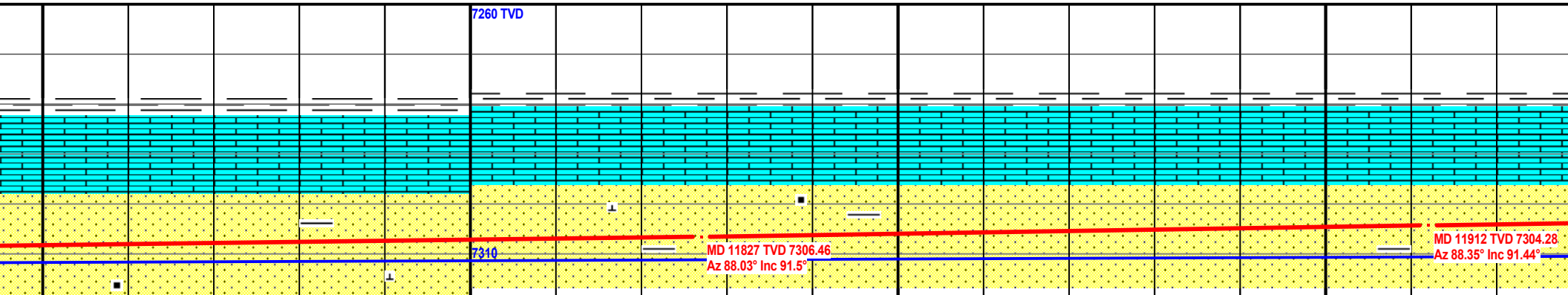


MW: 9.7/ VIS: 45

MW: 9.7/ VIS: 45



11750 11800 11850 11900



kg-y-wht-clr, mg-fg, rnd-sub r
ncl, fri, nsf, slw str wh cut. :
lty, silty, grty, sf

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

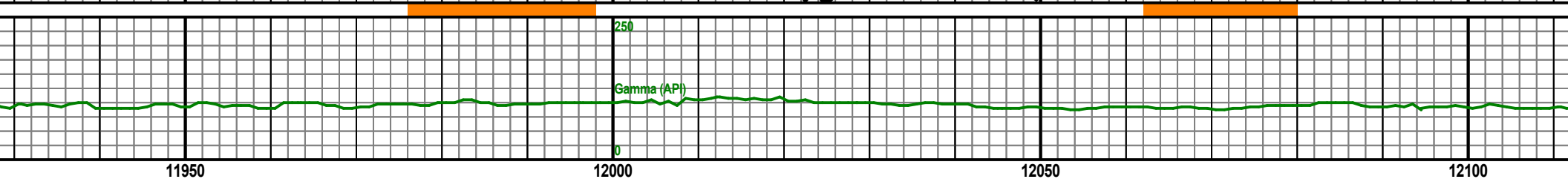
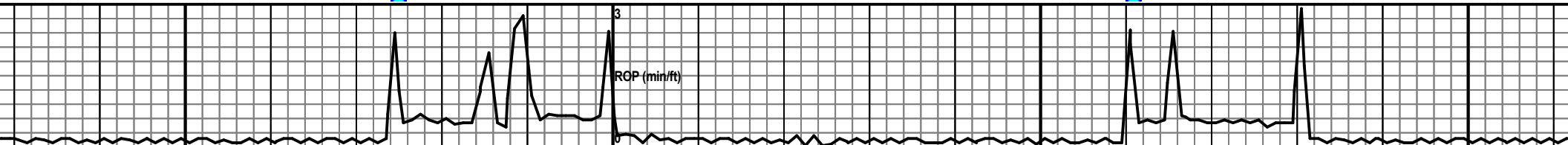
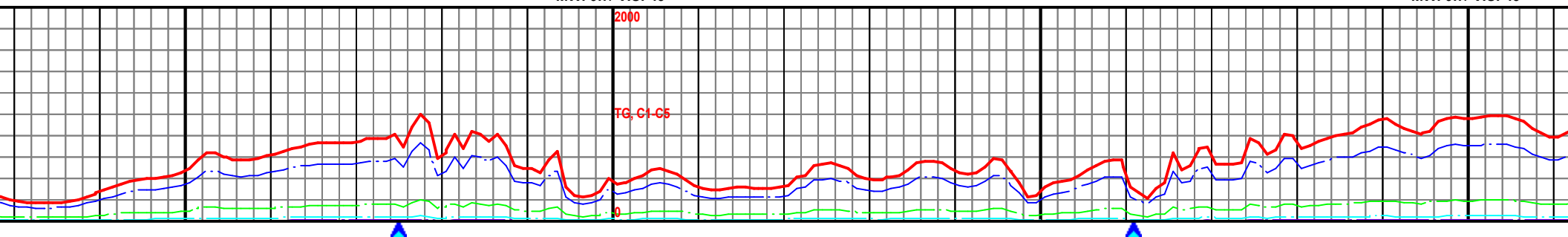
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, silty, grty, sft, sl cal.

7360

MW: 9.7/ VIS: 45

MW: 9.7/ VIS: 45

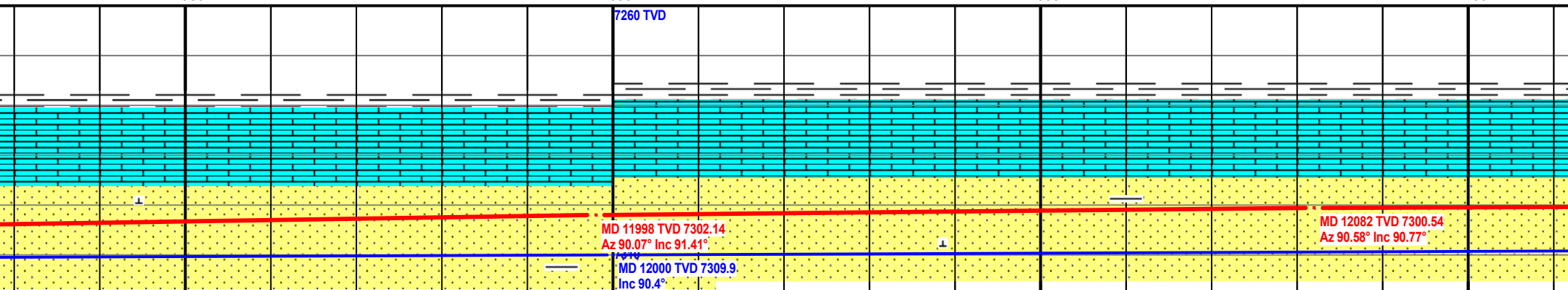


11950

12000

12050

12100



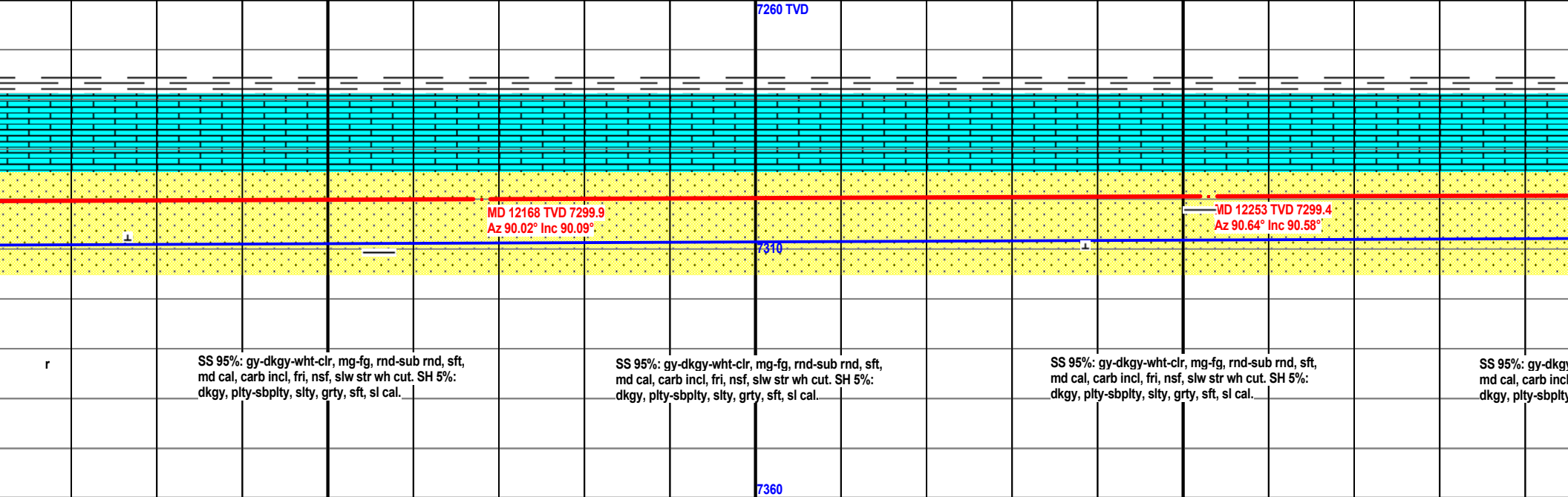
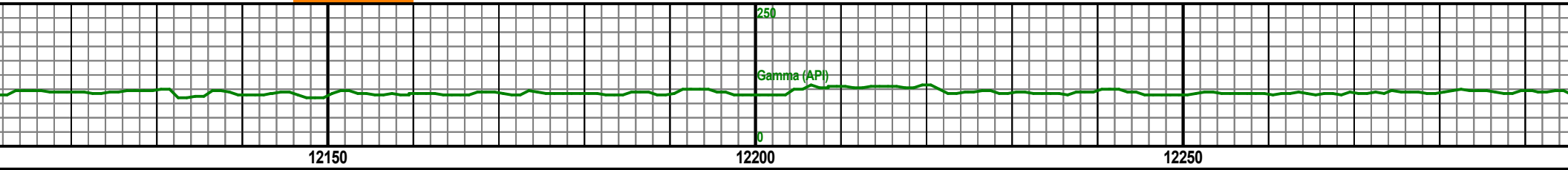
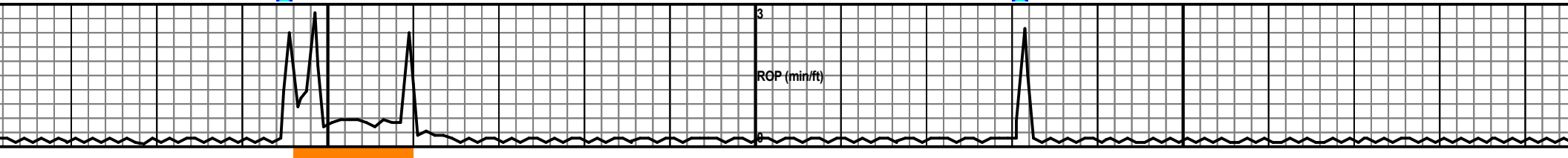
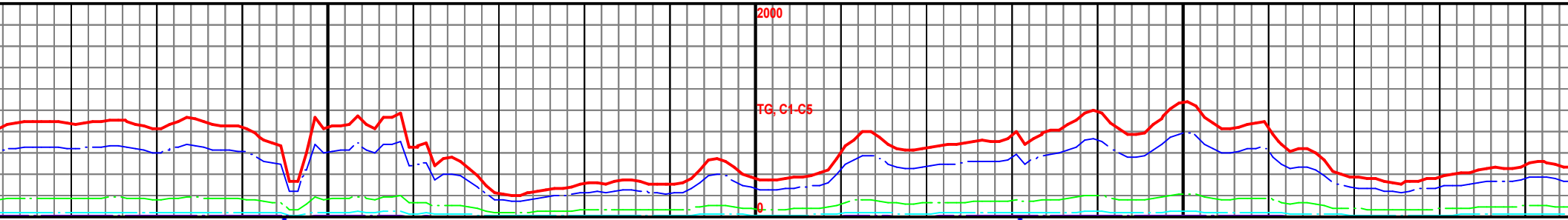
SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 3%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 3%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

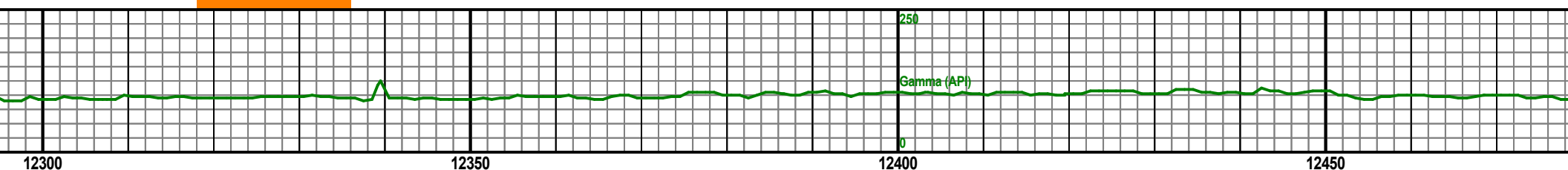
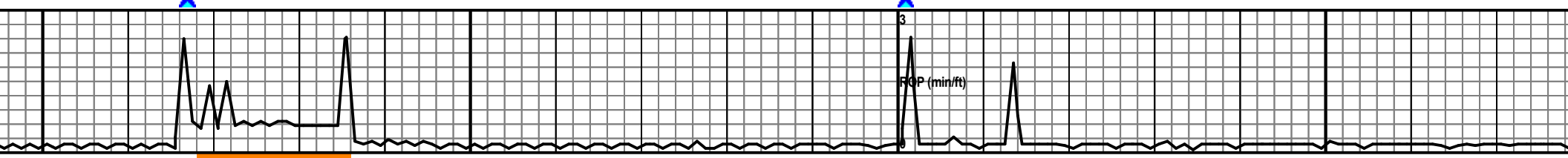
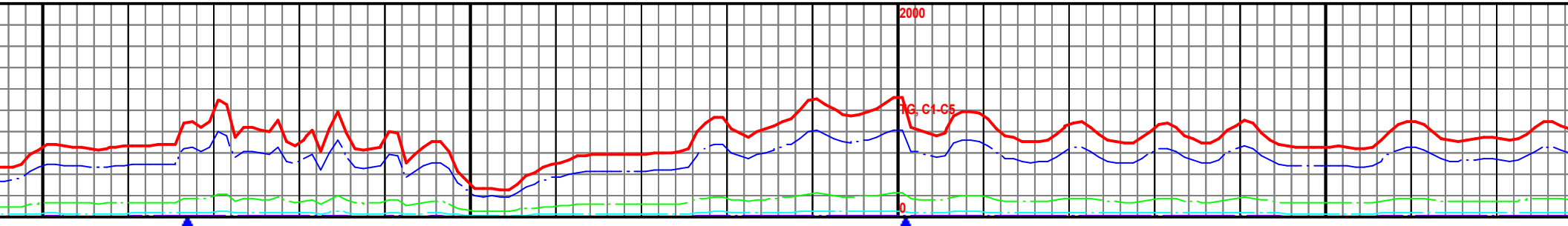
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub
md cal, carb incl, fri, nsf, slw str wh cut.
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7360



MW: 9.7/ VIS: 46

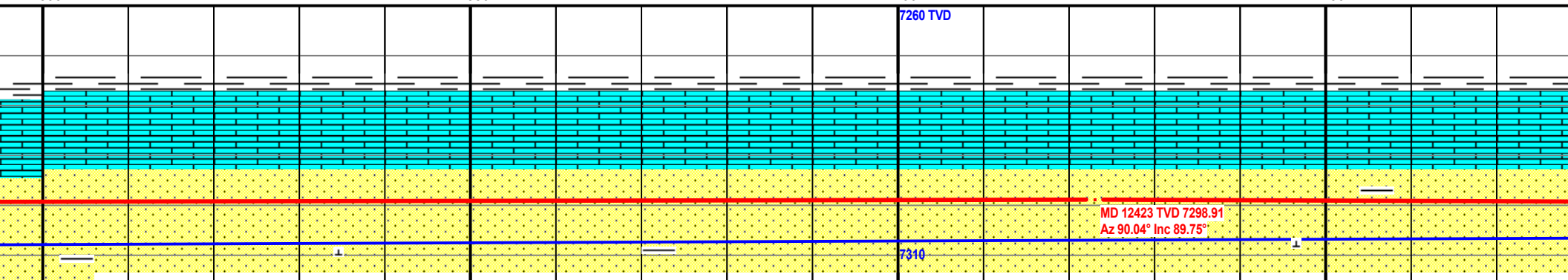


12300

12350

12400

12450



-wht-clr, mg-fg, rnd-sub r
, fri, nsf, slw str wh cut. !
, slty, grty, sf

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

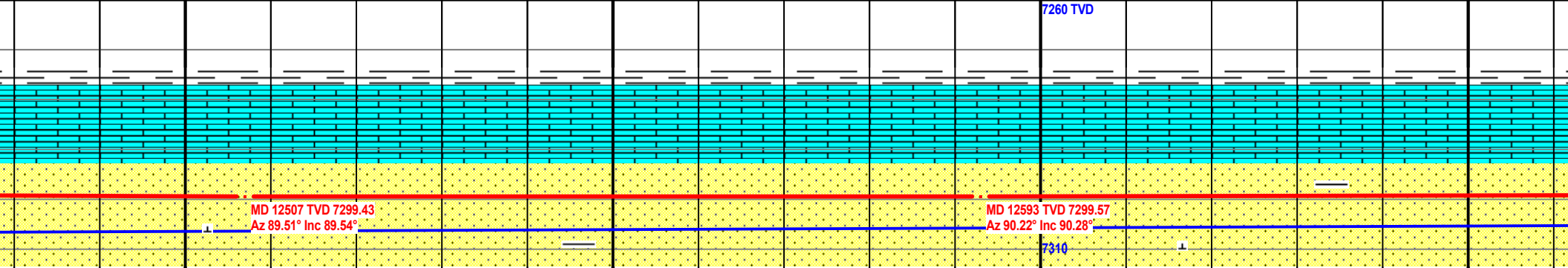
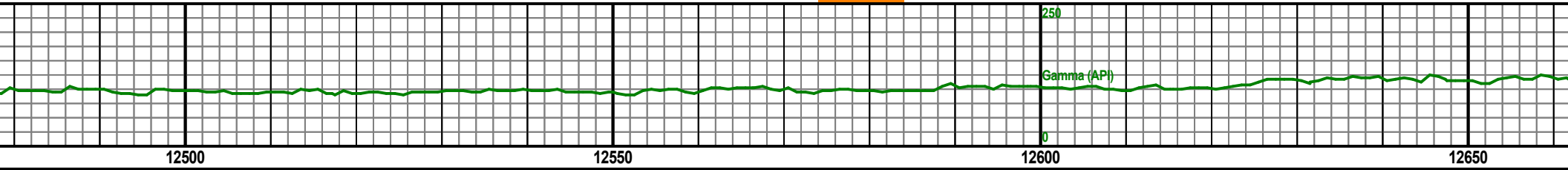
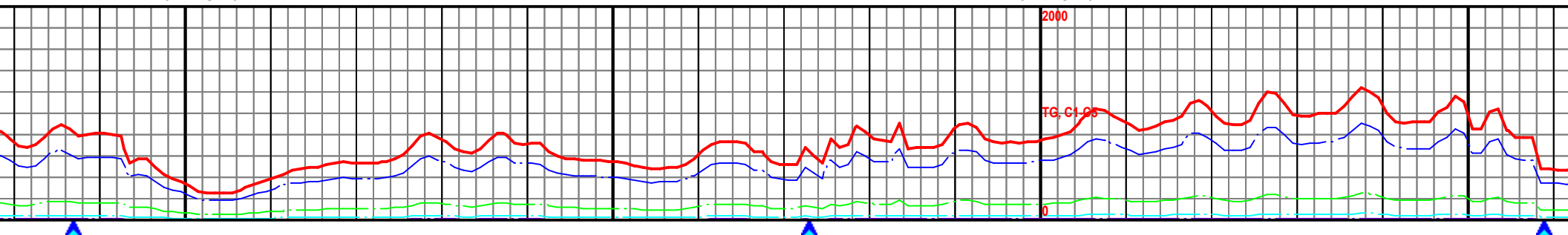
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7360

MW: 9.7/ VIS: 46

MW: 9.7/ VIS: 46



SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

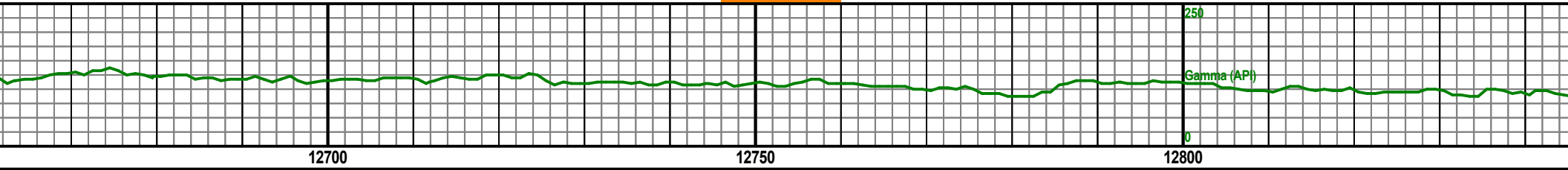
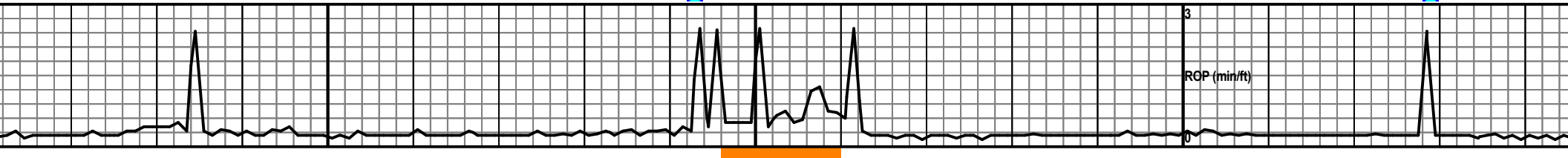
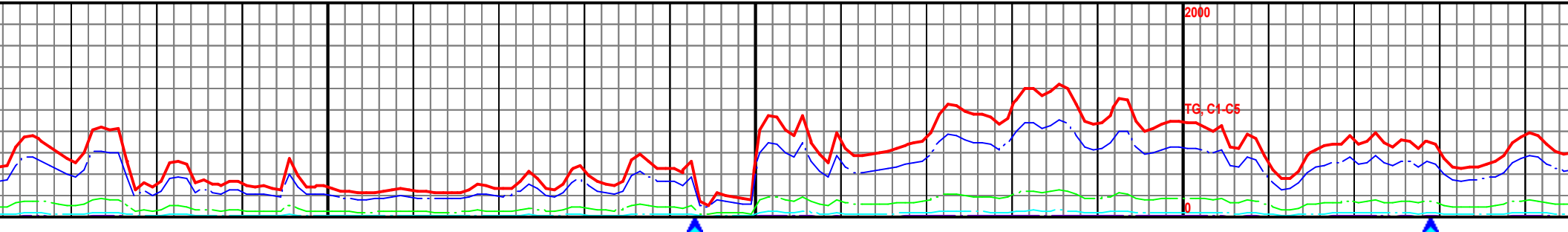
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7360

MW: 9.7/ VIS: 46

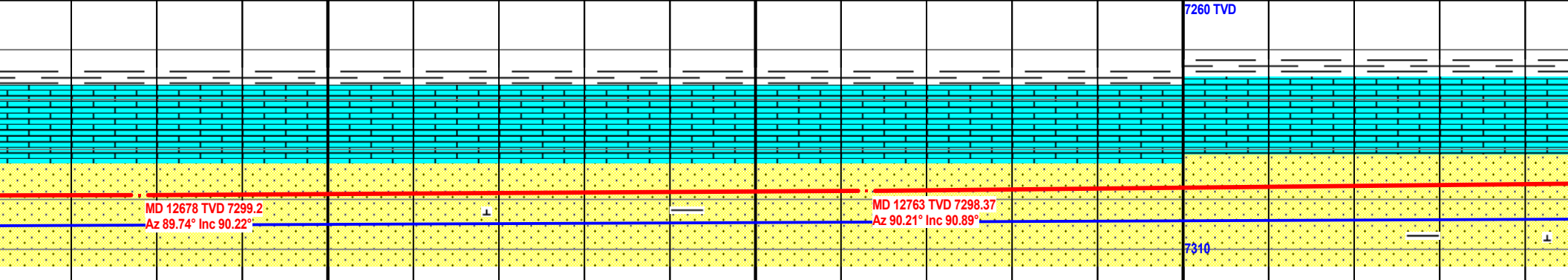
MW: 9.9/ VIS: 46



12700

12750

12800



SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

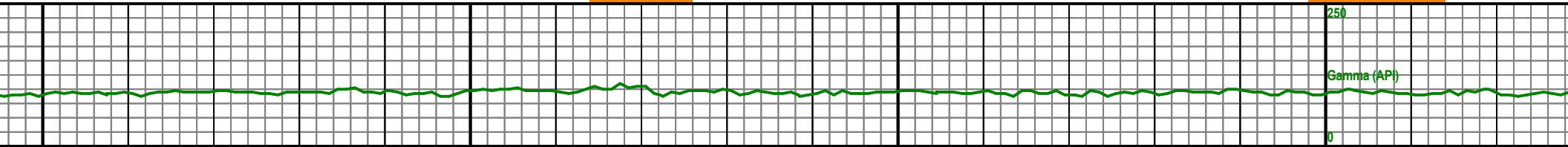
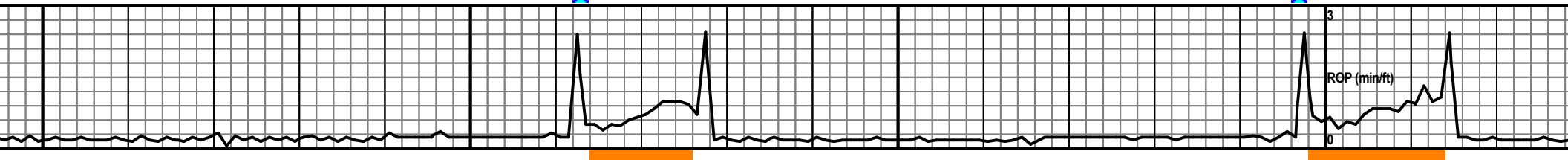
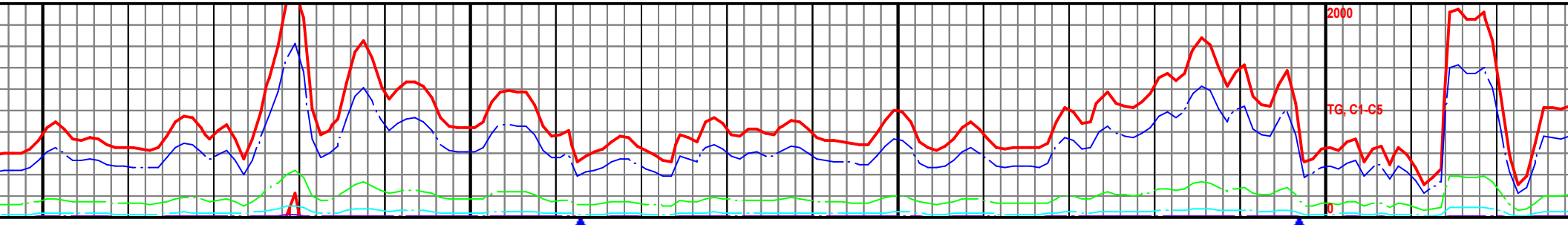
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

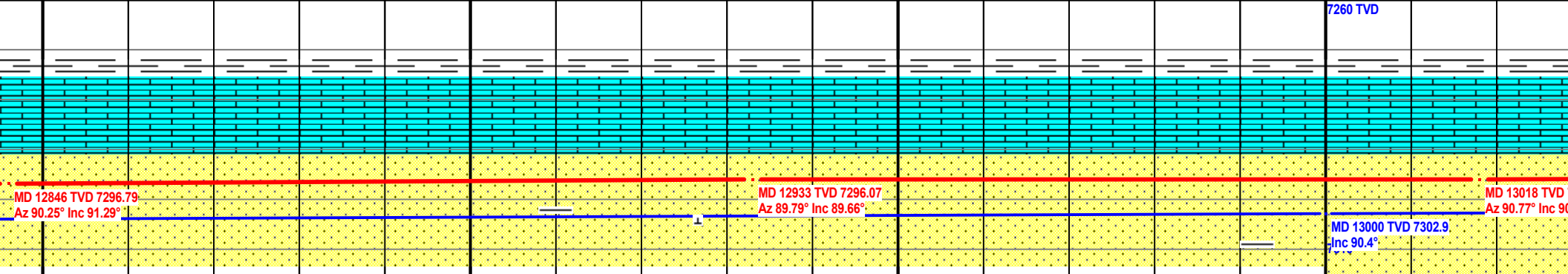
7360

MW: 9.9/ VIS: 46

MW: 9.9/ VIS: 46



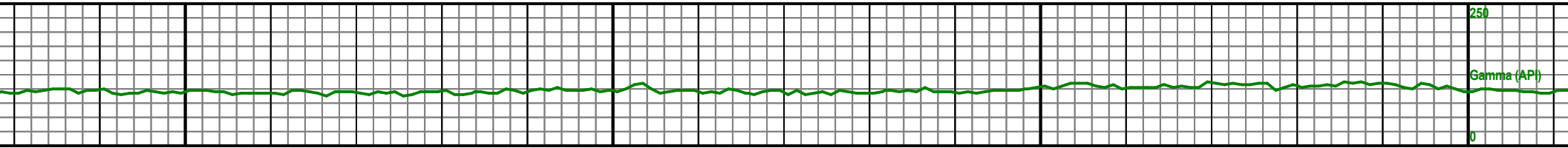
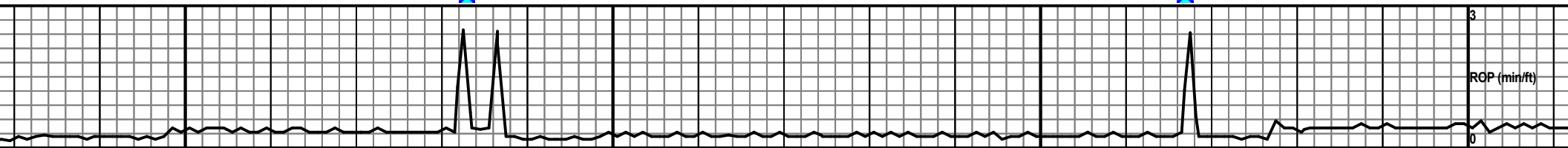
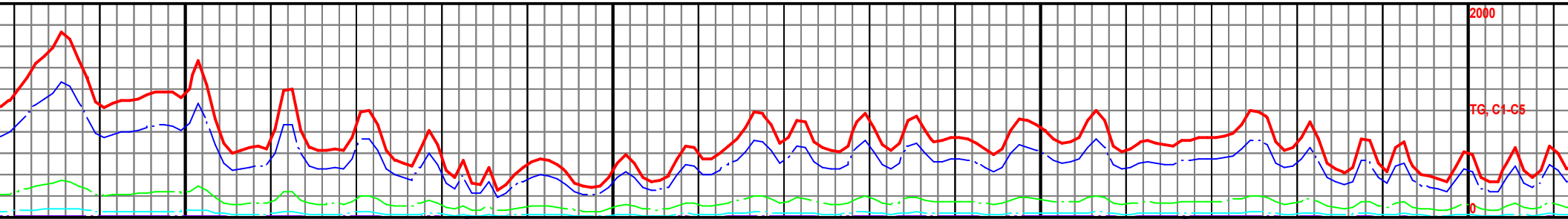
12850 12900 12950 13000

MD 12846 TVD 7296.79
Az 90.25° Inc 91.29°MD 12933 TVD 7296.07
Az 89.79° Inc 89.66°MD 13018 TVD 7302.9
Az 90.77° Inc 90.4°-wht-clr, mg-fg, rnd-sub r
, fri, nsf, slw str wh cut. :
, slty, grty, sfSS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, pty-sbplty, slty, grty, sft, sl cal.SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, pty-sbplty, slty, grty, sft, sl cal.SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, pty-sbplty, slty, grty, sft, sl cal.

7360

MW: 9.9/ VIS: 46

MW: 9.9 / VIS: 47

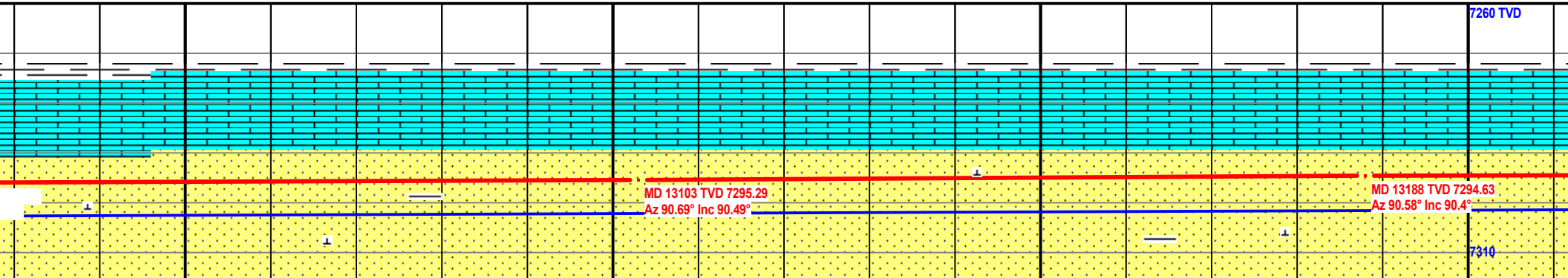


13050

13100

13150

13200



SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

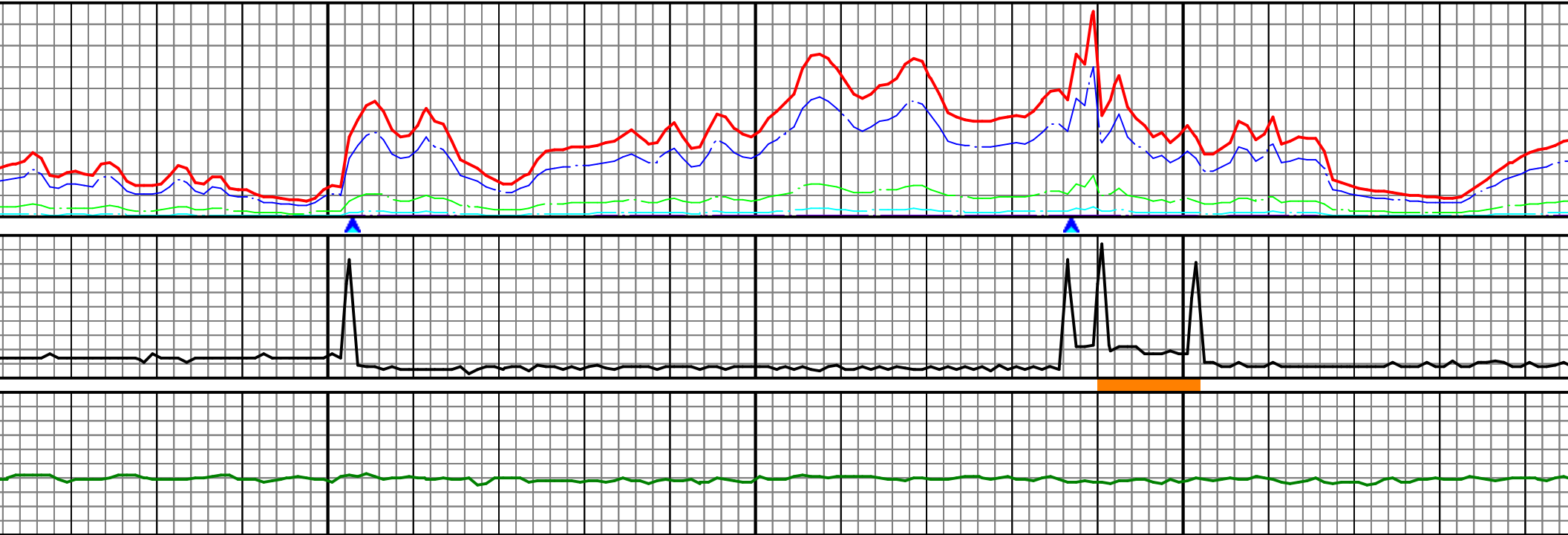
SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7360

MW: 9.9 / VIS: 47

MW

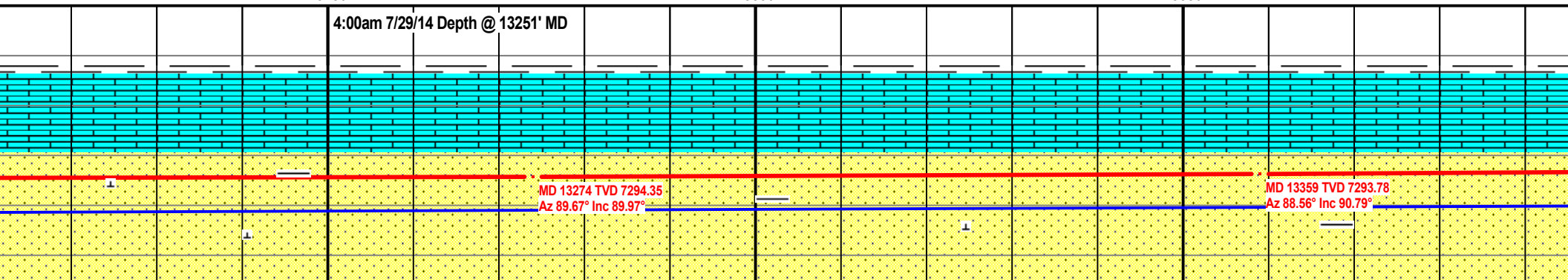


13250

13300

13350

4:00am 7/29/14 Depth @ 13251' MD



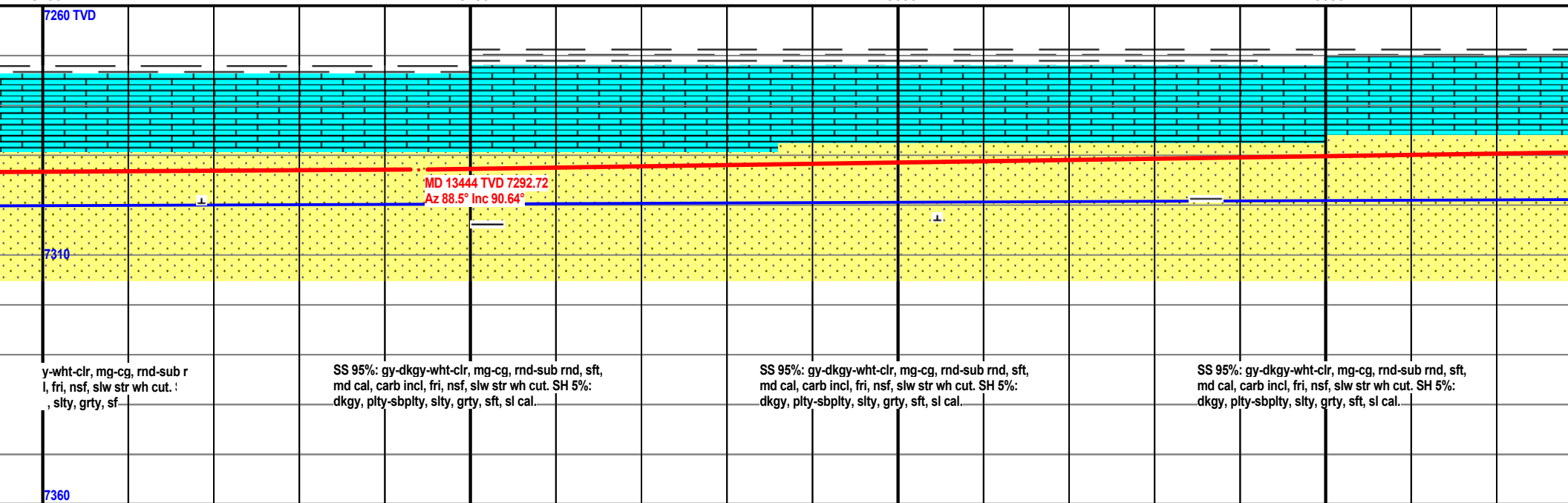
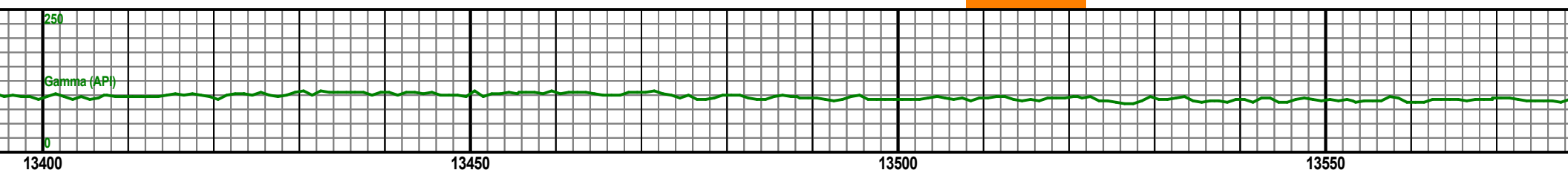
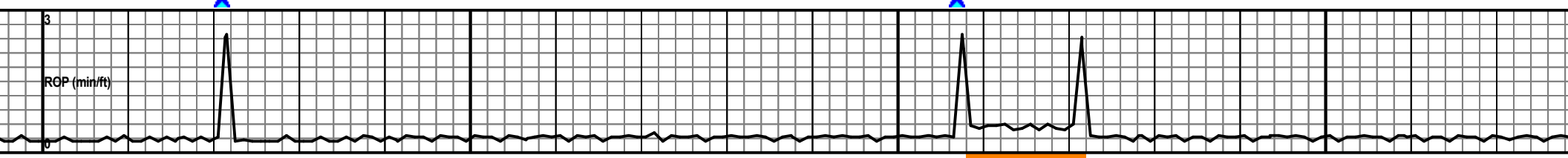
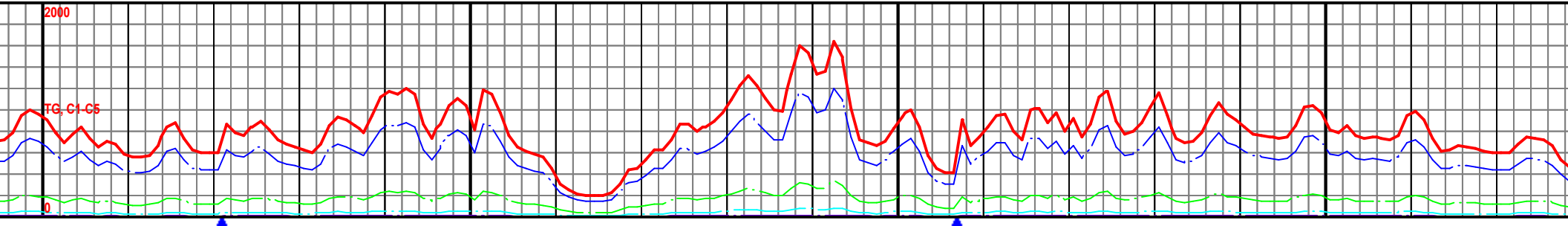
SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

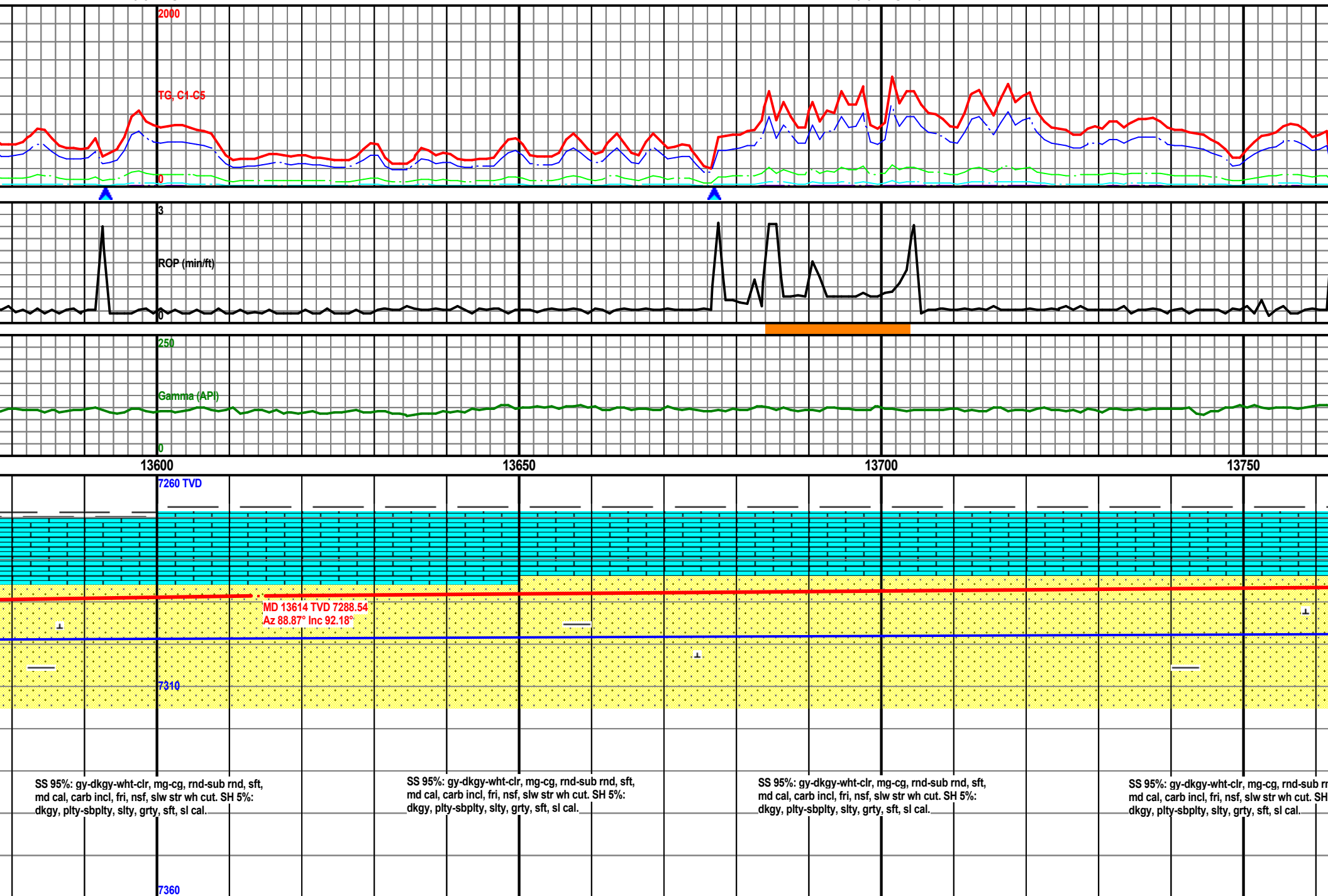
SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

MW: 9.8 / VIS: 44



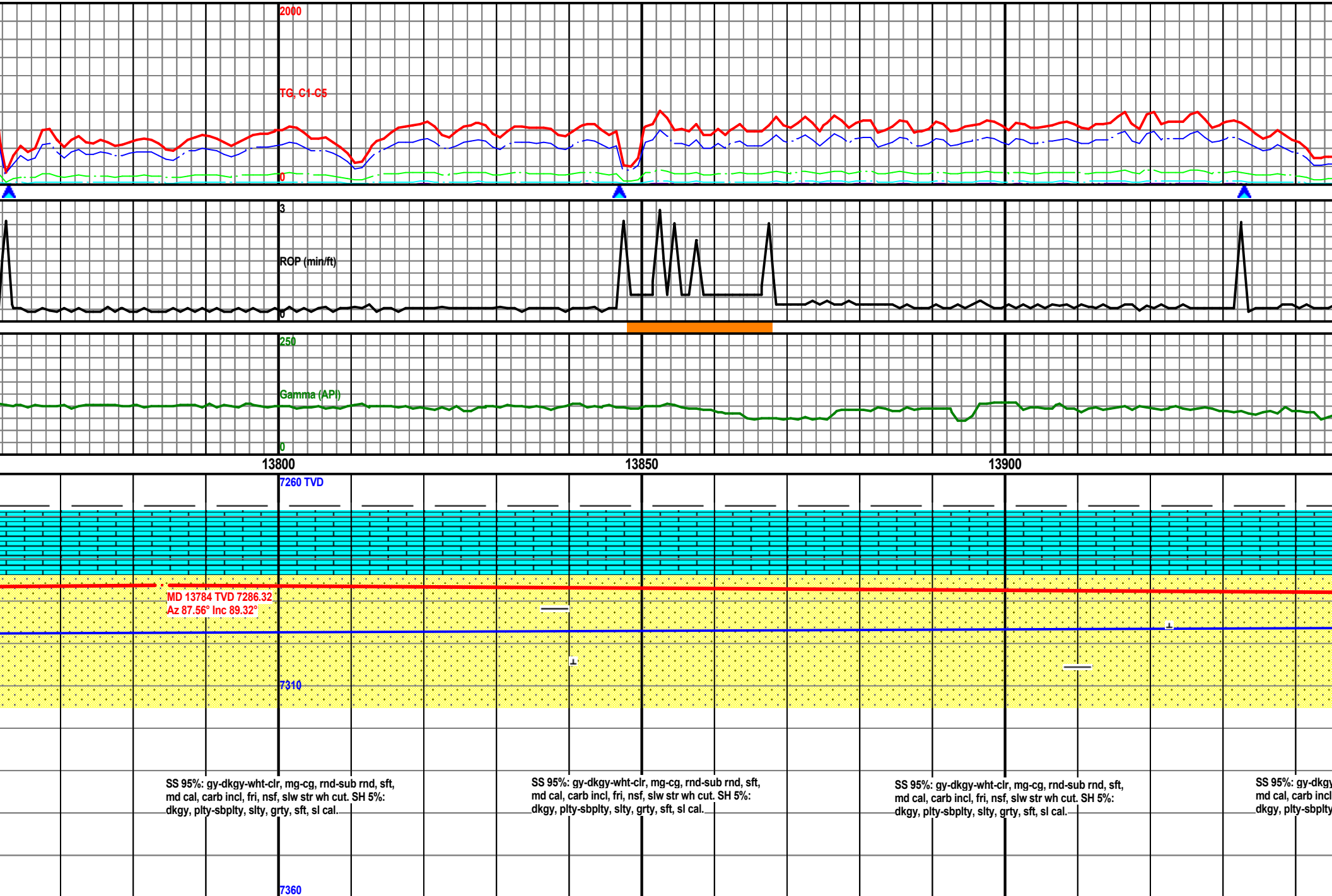
MW: 9.8 / VIS: 44

MW: 9.8 / VIS: 45



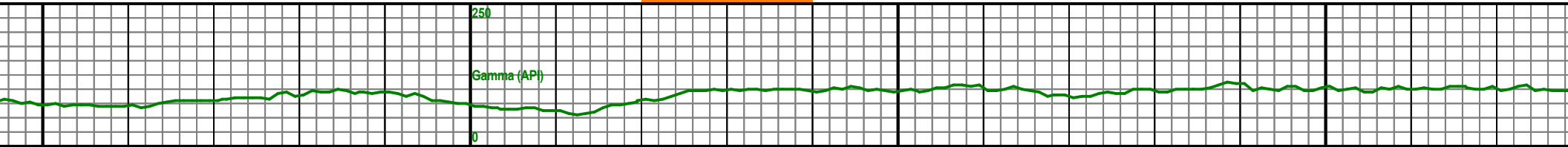
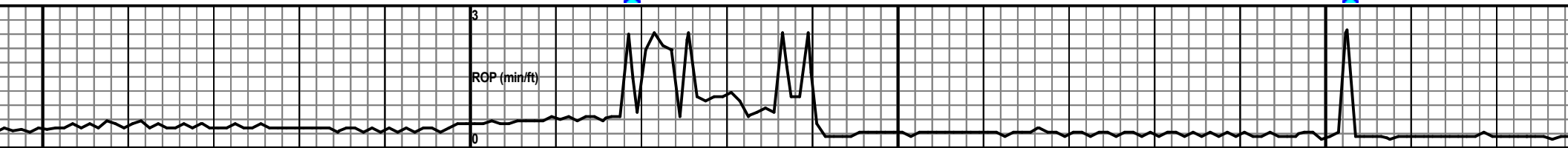
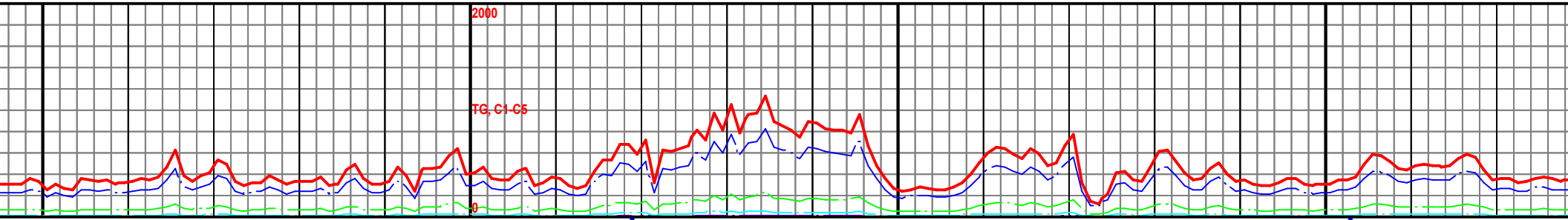
MW: 9.8 / VIS: 45

MW: 9.8 / VIS: 45

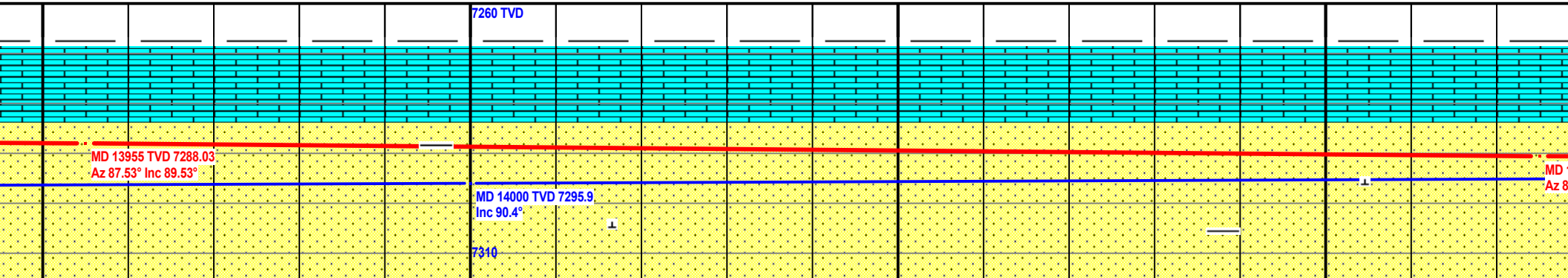


MW: 9.8 / VIS: 45

MW: 9.8 / VIS: 45



13950 14000 14050 14100



-wht-clr, mg-cg, rnd-sub r
, fri, nsf, slw str wh cut. :
, slty, grty, sf

SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

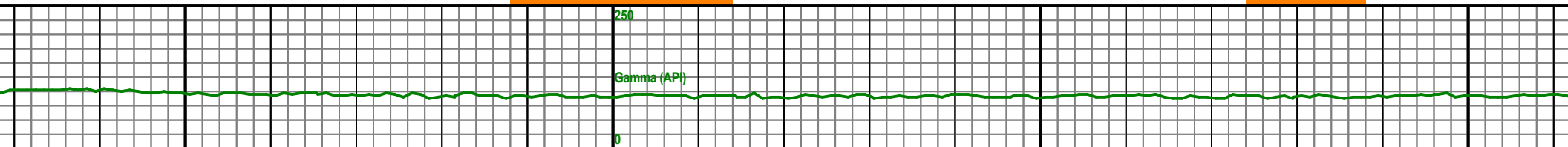
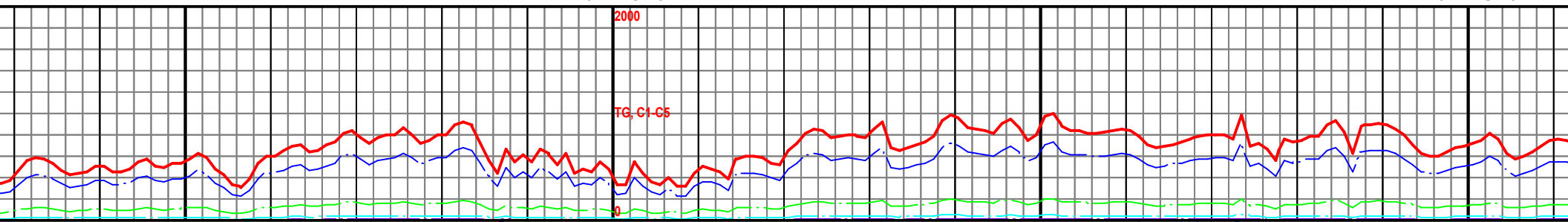
SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.

7360

MW: 9.7 / VIS: 45

MW: 9.7 / VIS: 45

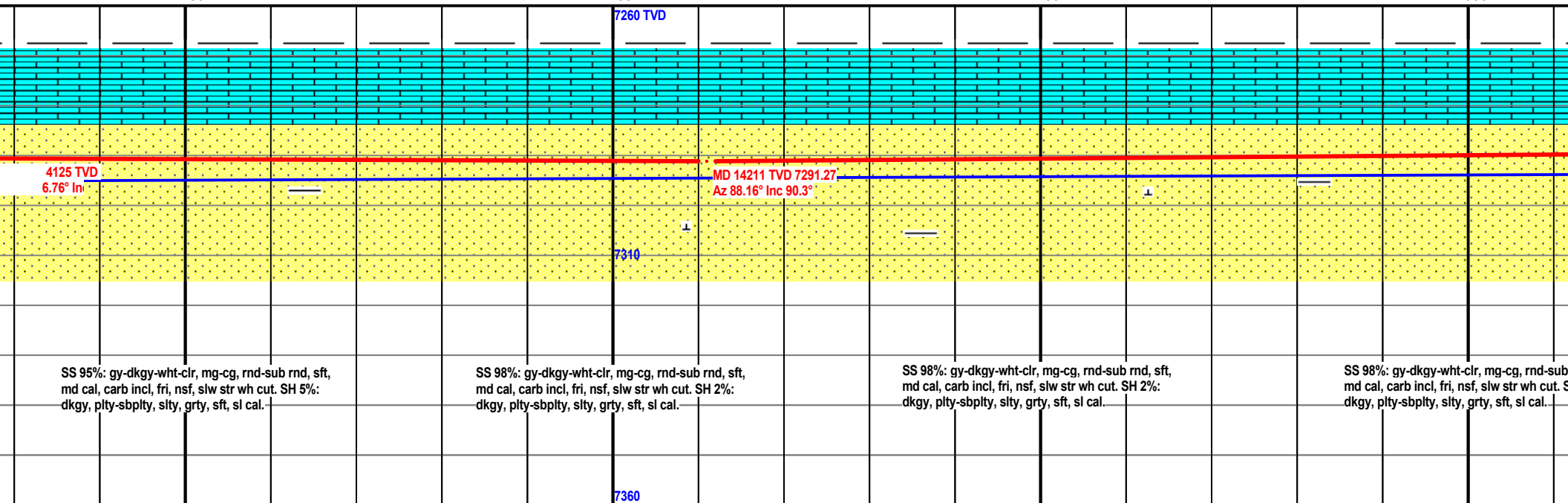


14150

14200

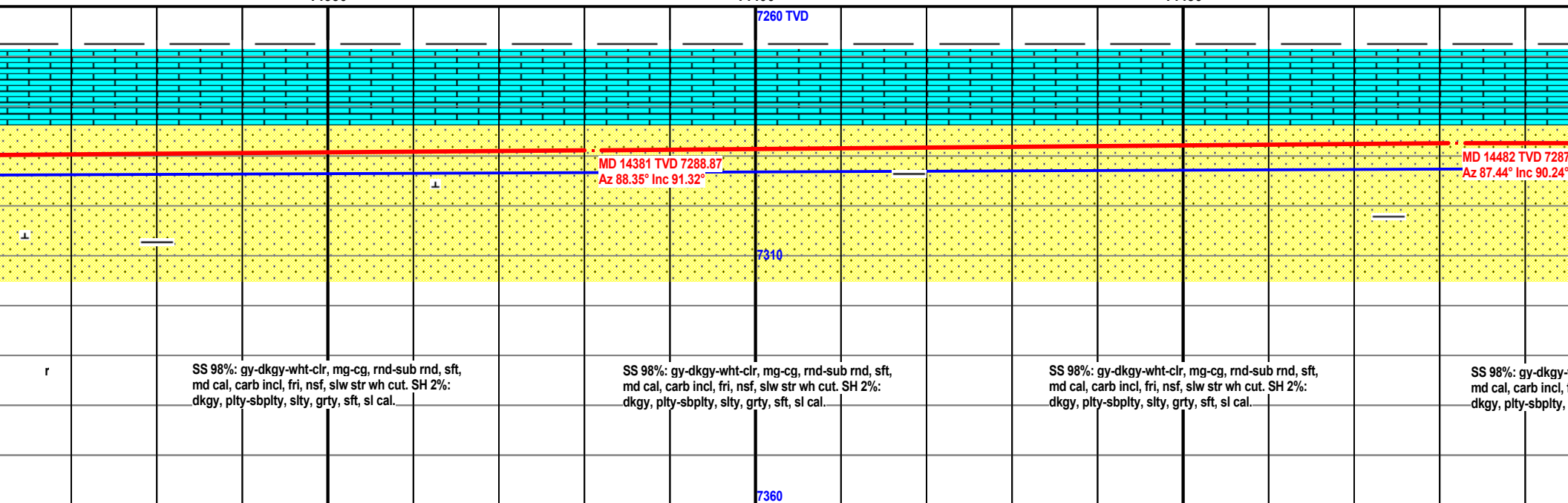
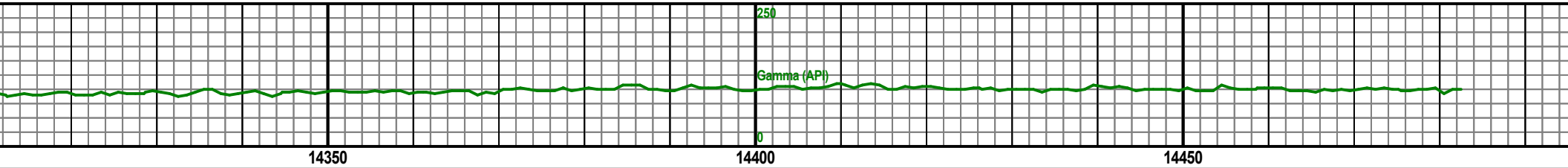
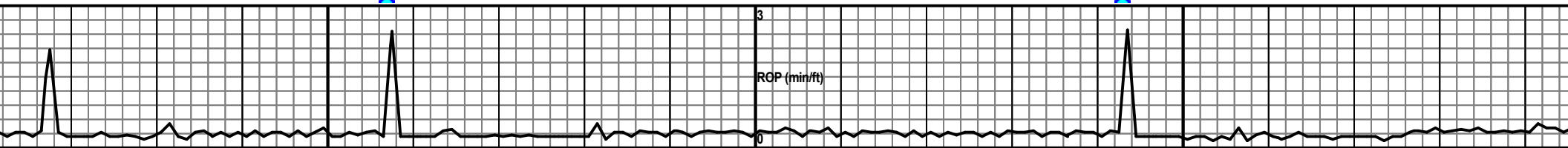
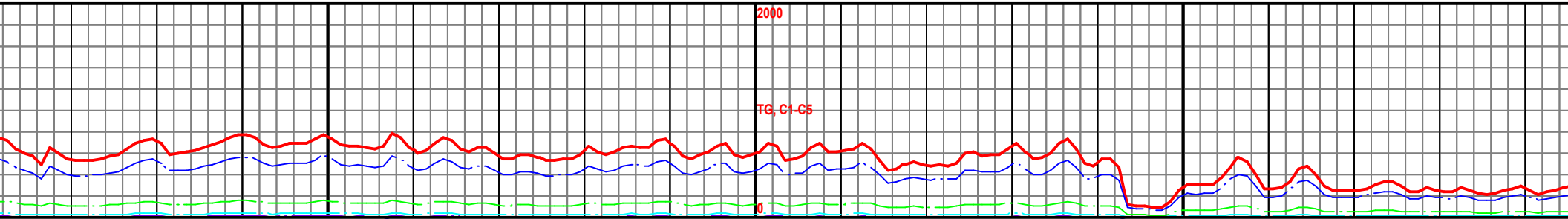
14250

14300



MW: 9.7 / VIS: 45

MW



TD of 14544' MD Achieved @
6:53AM 07/29/14.

Two man logging unit
with sample program
released 07/31/14.

Casing Completion with
Stand-Alone Gas
Analyzer

14500

14550

MD 14544 TVD 7287.5
Az 87.44° Inc 90.24°

ht-clr, mg-cg, rnd-sub r
ri, nsf, slw str wh cut. :
slty, grty, sf

SS 98%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 2%:
dkgy, plty-sbplty, slty, grty, sft, sl cal.