



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

Well Name:	KERR 29C-12HZ		
API:	05123389810000		
Location:	Weld County, CO.		
License Number:		Region:	DJ Basin
Spud Date:	11/30/2014	Drilling Completed:	12/6/2014
Surface Coordinates:	576'FSL & 1936'FWL, SEC.13		
Bottom Hole Coordinates:	460'FNL & 1366'FWL, SEC.12		
Ground Elevation (ft):	4883'	K.B. Elevation (ft):	4899'
Logged Interval (ft):	6700'	To:	7859'
Formation:	Codell	Total Depth (ft):	16718'
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

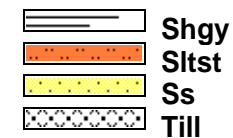
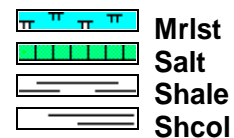
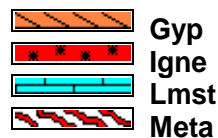
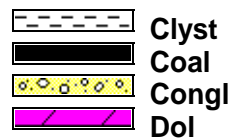
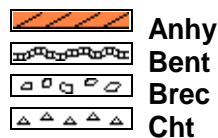
Name: Ben Thompson / Kyle Pickard
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

Cores

DSTs

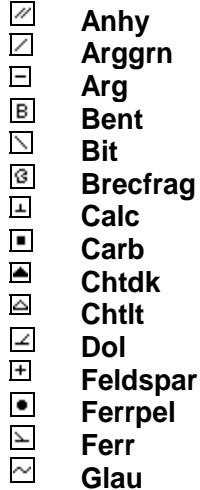
Comments

ROCK TYPES

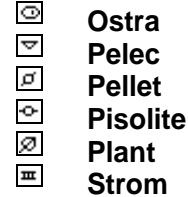
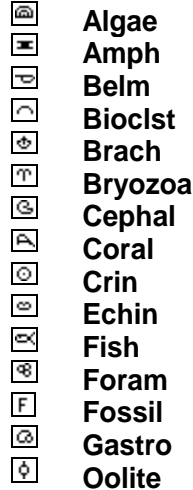


ACCESSORIES

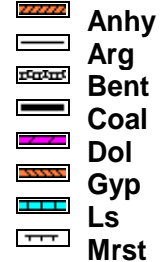
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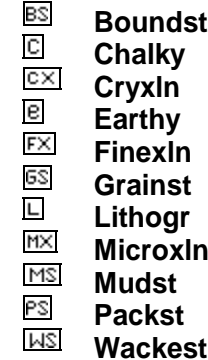
FOSSIL










STRINGER



TEXTURE







POROSITY

 Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint

**Vuggy****SORTING**

 Well
 Moderate
 Poor



OTHER SYMBOLS**ROUNDING**

 Rounded
 Subrnd
 Subang
 Angular

OIL SHOW

 Even

**Spotted**

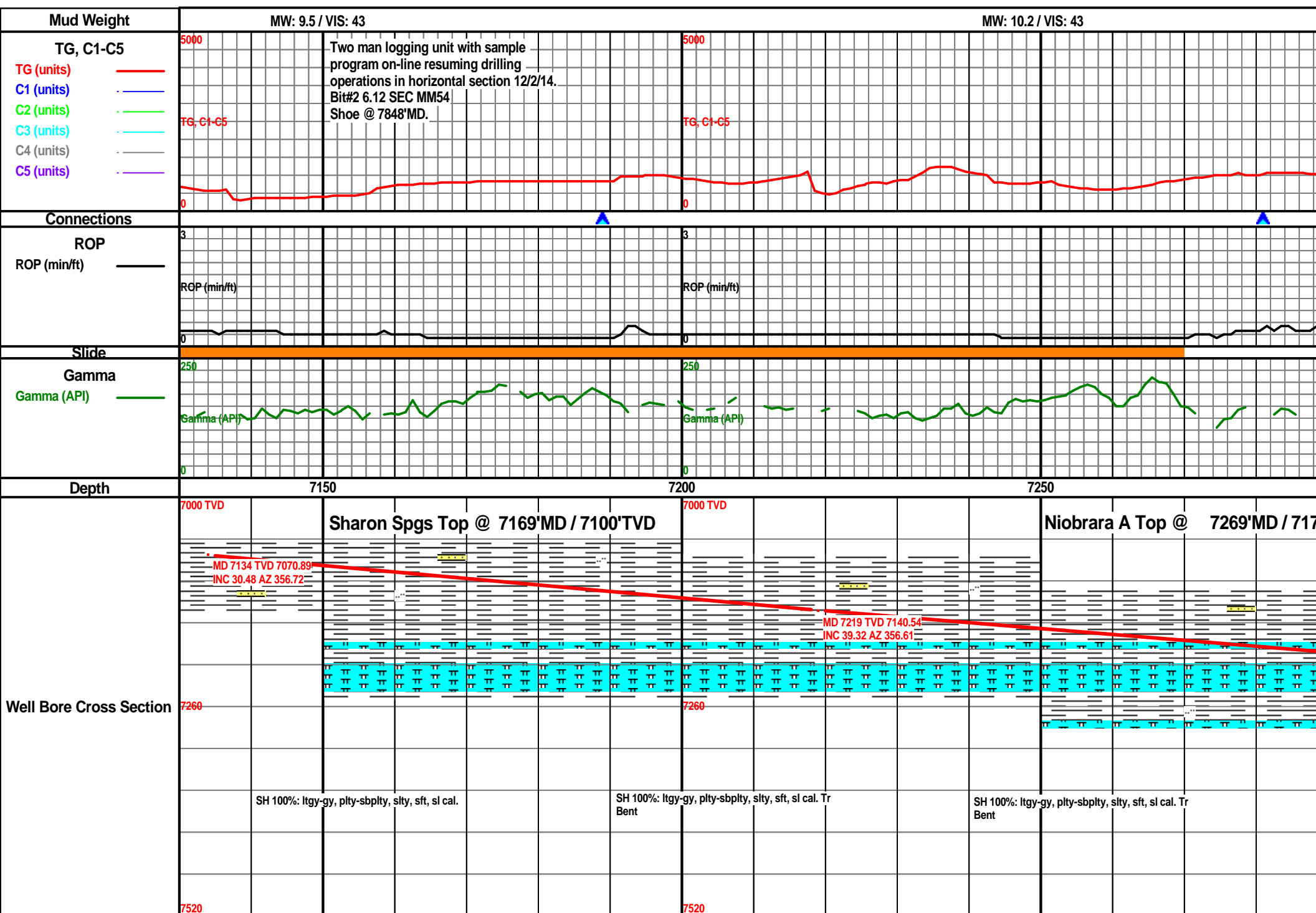
 Ques
 Dead

INTERVAL

 Core
 Dst

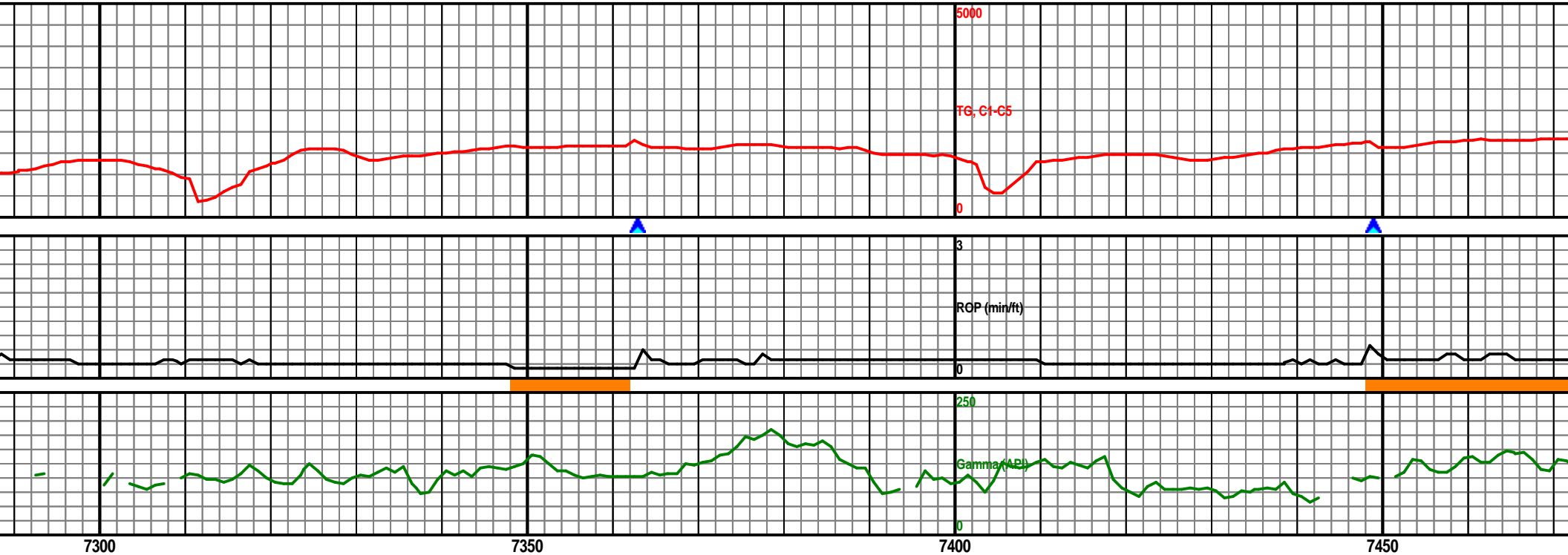
EVENT

 Rft
 Connection



MW: 10.2 / VIS: 42

MW: 10.2 / VIS: 42



7300

7350

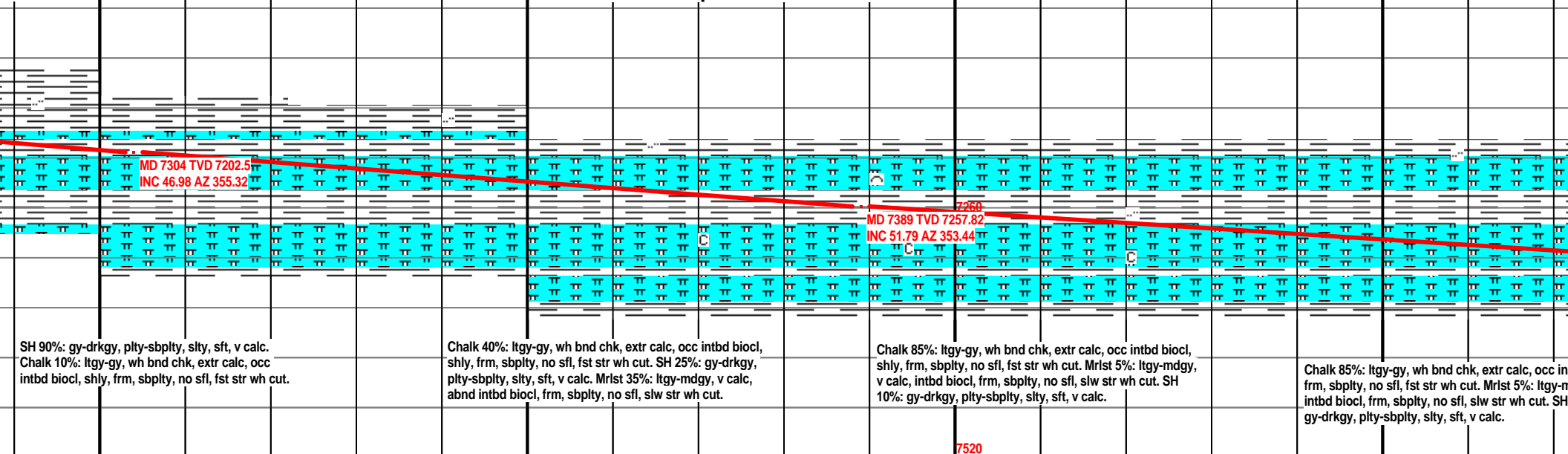
7400

7450

8'TVC

Niobrara C Top @ 7391'MD 7259'TVD

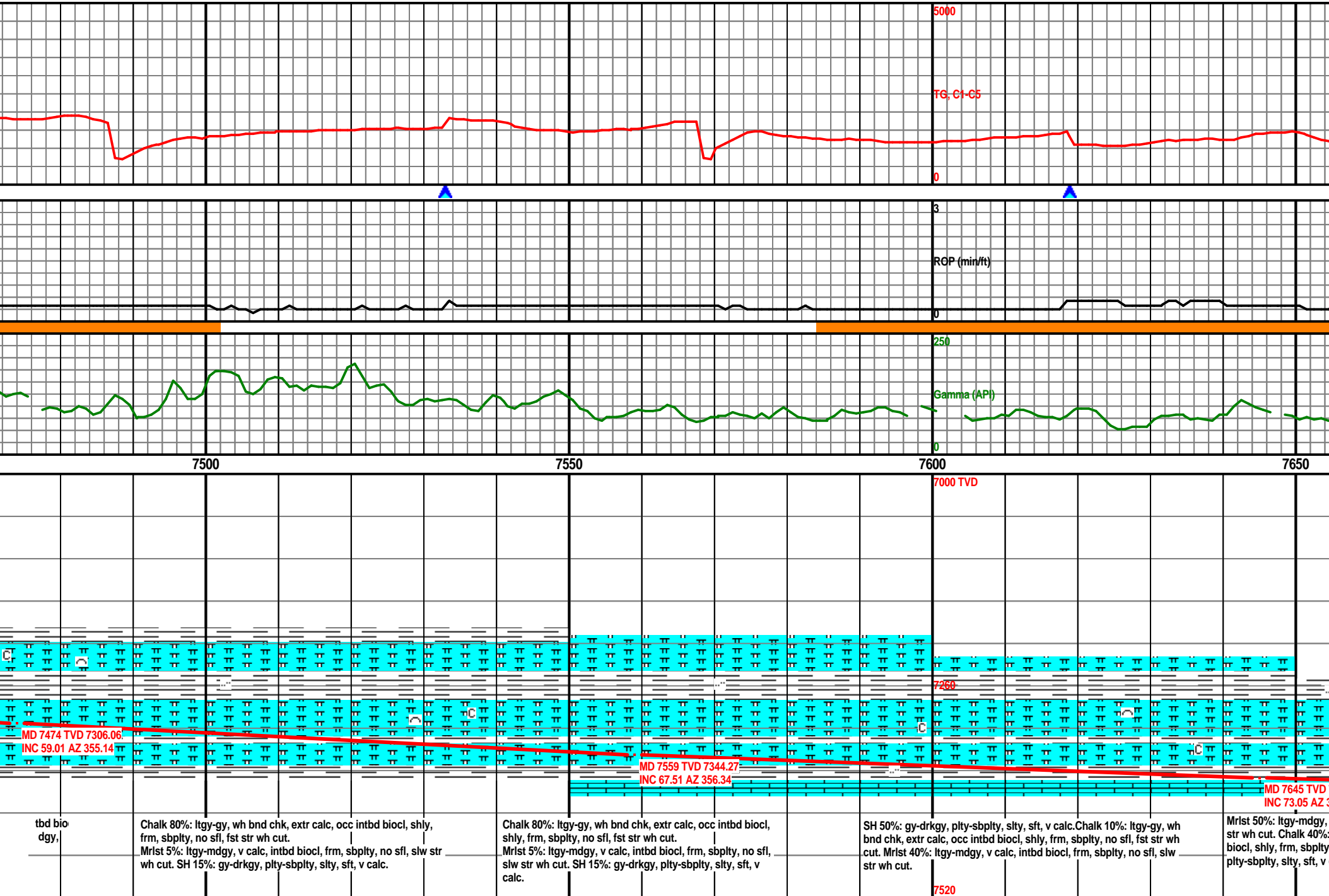
7000 TVD



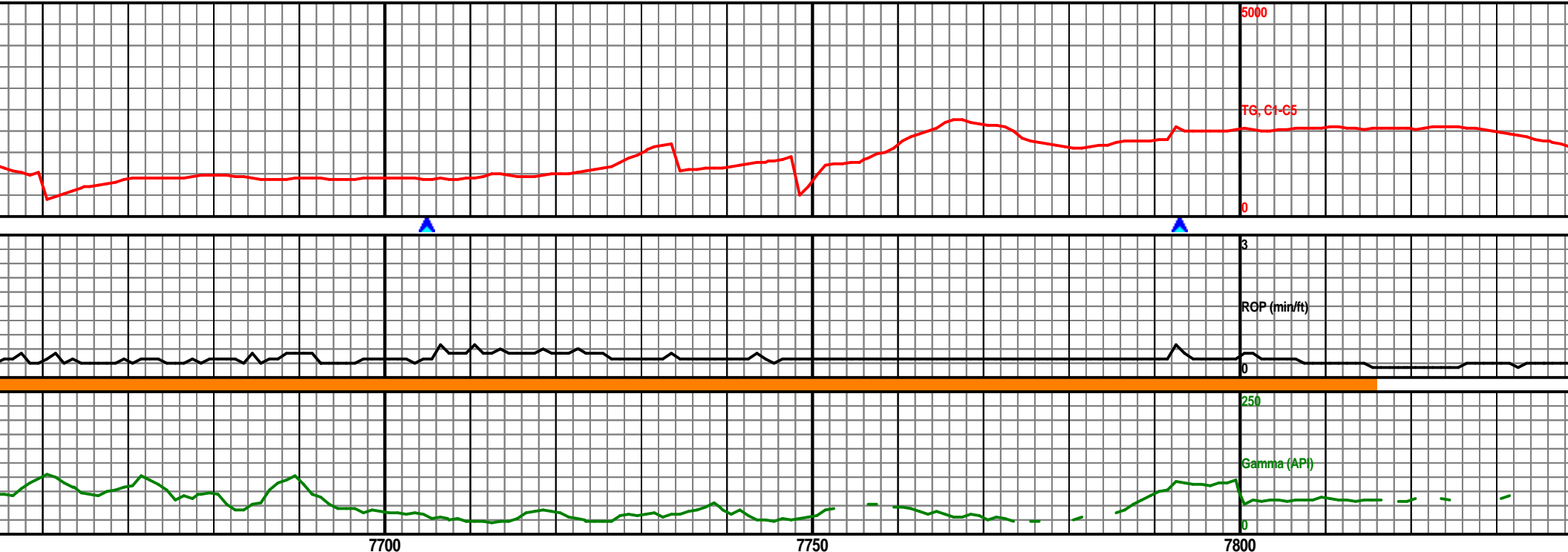
7520

MW: 10.2 / VIS: 42

MW: 10.2 / VIS:



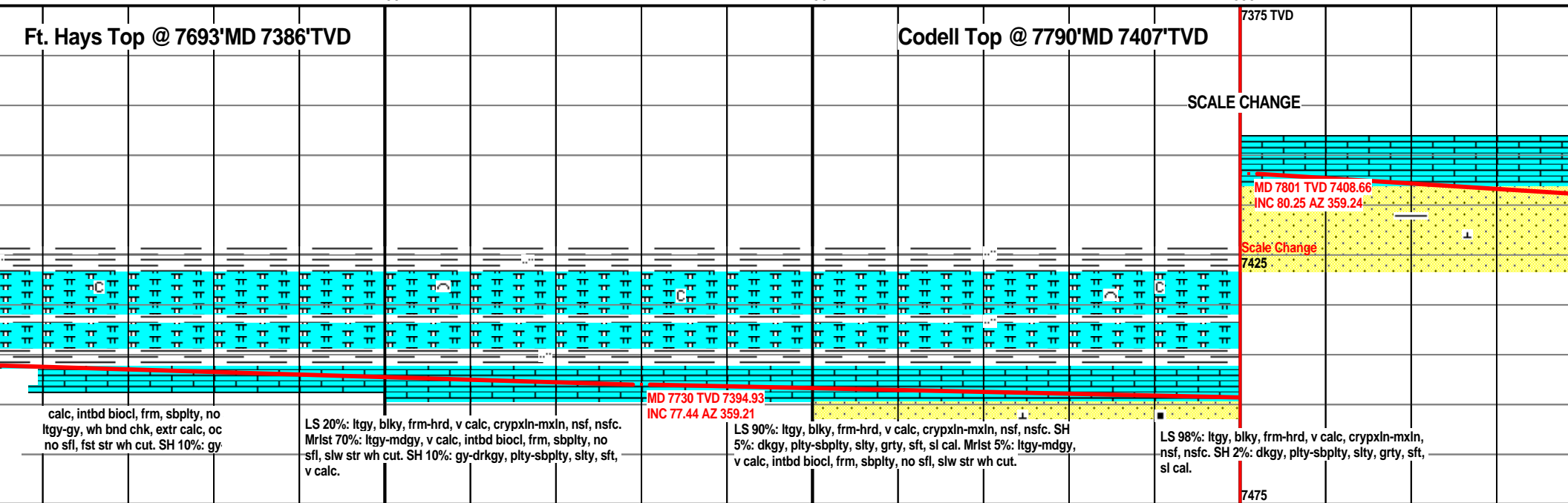
MW: 10.2 / VIS: 42



Ft. Hays Top @ 7693'MD 7386'TVD

Codell Top @ 7790'MD 7407'TVD

SCALE CHANGE



calc, intbd biocl, frm, sbpity, no
ltgy-gy, wh bnd chk, extr calc, oc
no sfl, fst str wh cut. SH 10%: gy

LS 20%: ltgy, blkgy, frm-hrd, v calc, crypxln-mxin, nsf, nsfc.
Mrst 70%: ltgy-mdgy, v calc, intbd biocl, frm, sbpity, no
sfl, slw str wh cut. SH 10%: gy-drkgy, plty-sbpity, slty, sft,
v calc.

LS 90%: ltgy, blkgy, frm-hrd, v calc, crypxln-mxin, nsf, nsfc. SH
5%: dkgy, plty-sbpity, slty, grty, sft, sl cal. Mrst 5%: ltgy-mdgy,
v calc, intbd biocl, frm, sbpity, no sfl, slw str wh cut.

LS 98%: ltgy, blkgy, frm-hrd, v calc, crypxln-mxin,
nsf, nsfc. SH 2%: dkgy, plty-sbpity, slty, grty, sft,
sl cal.

MW: 10.2 / VIS: 42

MW: 9.1 / VIS: 42

Curve TD of 7859' MD Achieved @
7:04pm 12/1/14. T.O.O.H for casing.
B.O.B. and drilling ahead @ 9:25am
12/3/14.

Gas Buster Online

5000

TG, C1-C5

0

3

ROP (min/ft)

250

Gamma (API)

0

7850

7900

7950

8000

7375 TVD

MD 7898 TVD 7418.96
INC 87.55 A 1.92

MD 7983 TVD 7422
INC 88.36 AZ 1.01

7426

LS 93%: ltgy, blk, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SH
2%: dkgy, plty-sbplty, slty, grty, sft, sl cal. SS 5%:
gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf,
slw str wh cut

SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

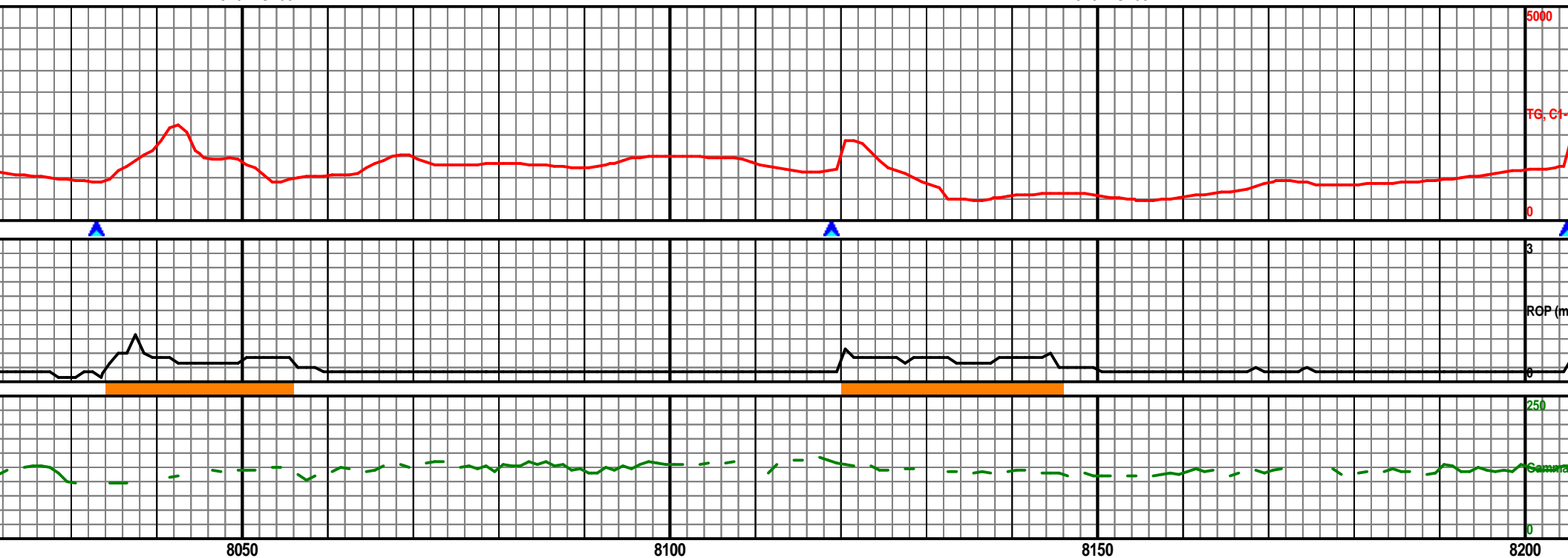
SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

7475

MW: 9.2/ VIS: 39

MW: 9.2/ VIS: 39

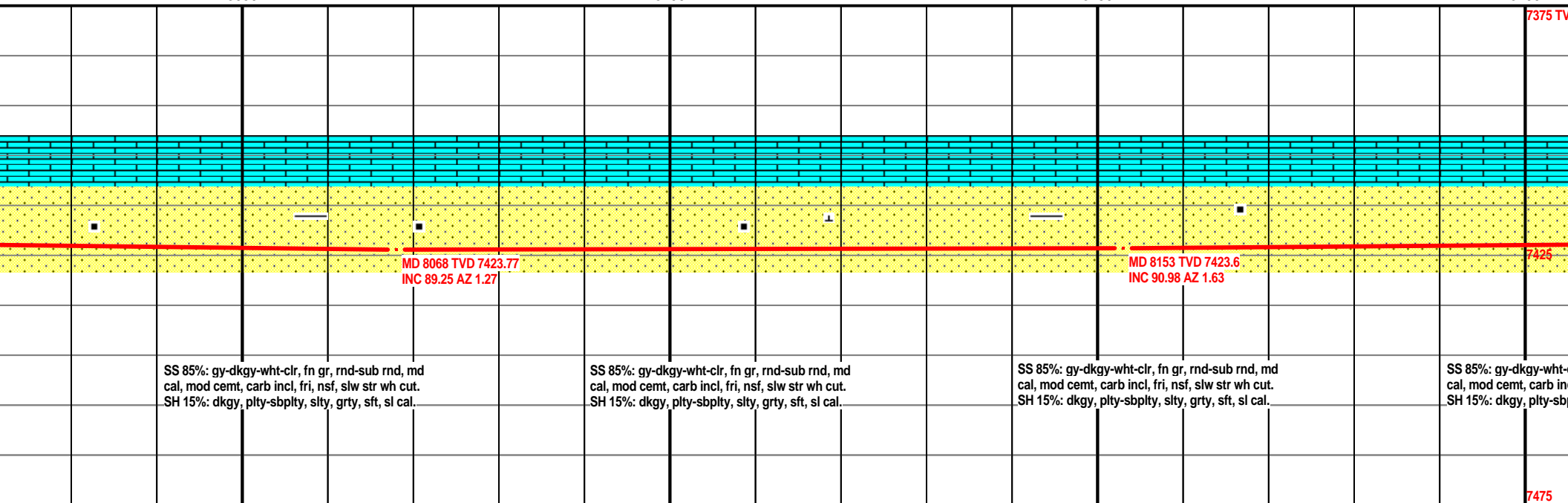


8050

8100

8150

8200



7375 TVD

MD 8068 TVD 7423.77
INC 89.25 AZ 1.27MD 8153 TVD 7423.6
INC 90.98 AZ 1.63

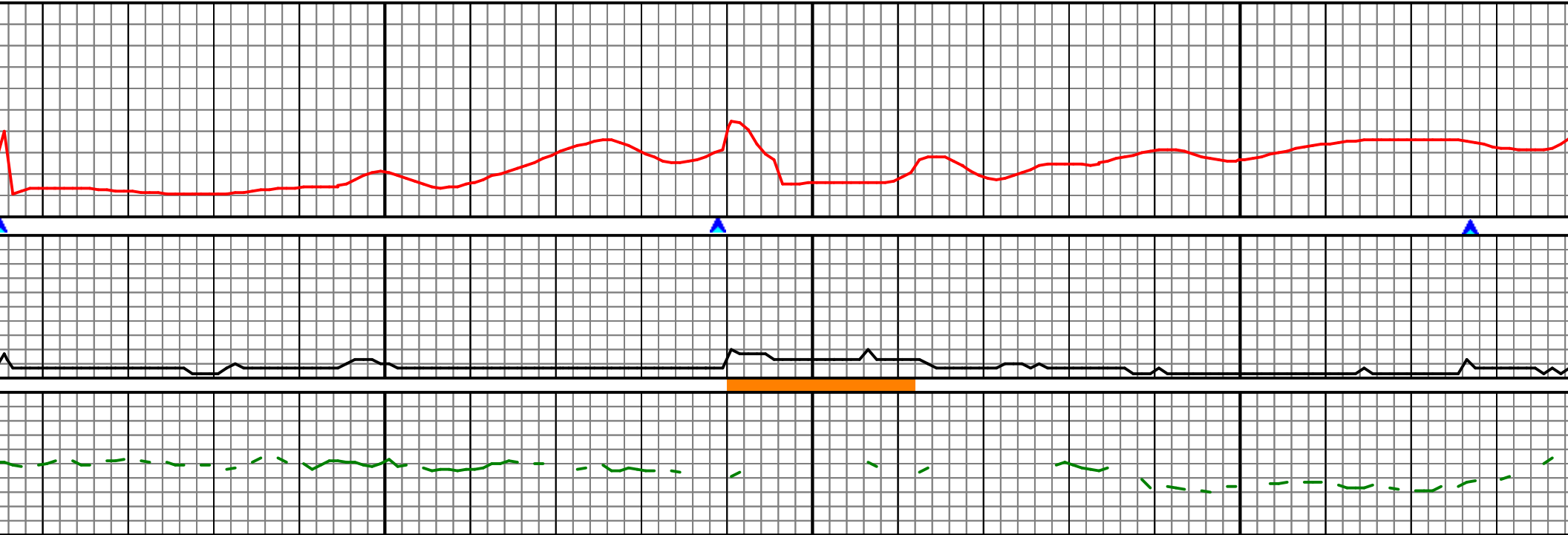
7426

SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbply, slty, grty, sft, sl cal.SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbply, slty, grty, sft, sl cal.SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbply, slty, grty, sft, sl cal.SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbply, slty, grty, sft, sl cal.

7475

MW: 9.2/ VIS: 40

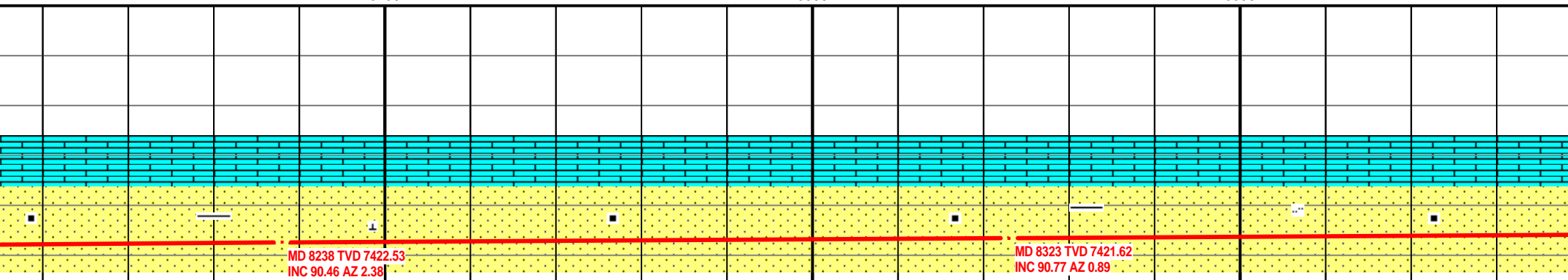
MW: 9.2/ VIS: 40



8250

8300

8350



MD 8238 TVD 7422.53
INC 90.46 AZ 2.38

MD 8323 TVD 7421.62
INC 90.77 AZ 0.89

lr, fn gr, rnd-sub r
l, fri, nsf, slw str
lty, silty, grty, sf

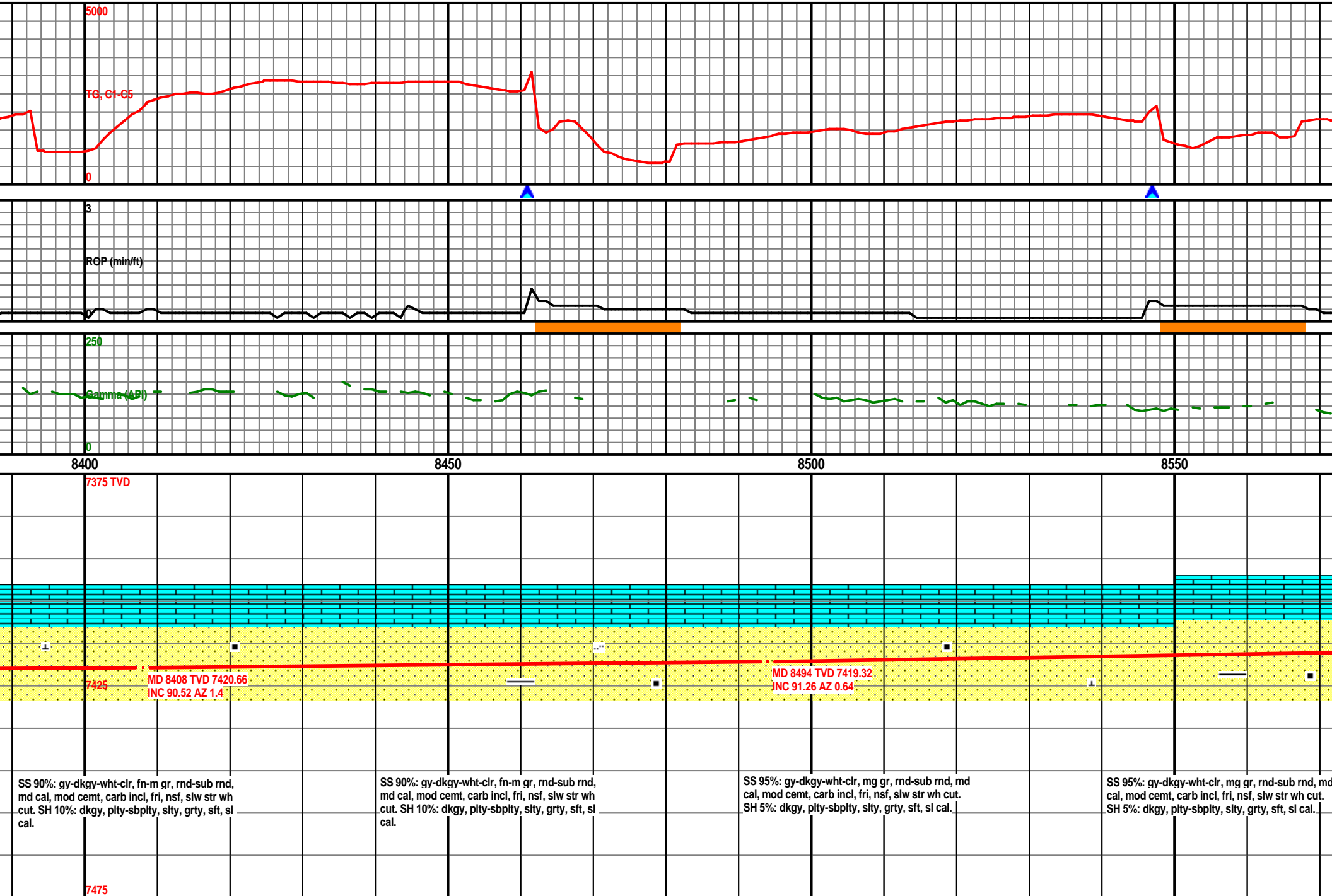
SS 85%: gy-dkgy-wht-clr, fn gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 15%: dkgy, plty-sbplty, silty, grty, sft, sl cal.

SS 90%: gy-dkgy-wht-clr, fn-m gr, rnd-sub rnd,
md cal, mod cement, carb incl, fri, nsf, slw str wh
cut. SH 10%: dkgy, plty-sbplty, silty, grty, sft, sl
cal.

SS 90%: gy-dkgy-wht-clr, fn-m gr, rnd-sub rnd,
md cal, mod cement, carb incl, fri, nsf, slw str wh
cut. SH 10%: dkgy, plty-sbplty, silty, grty, sft, sl
cal.

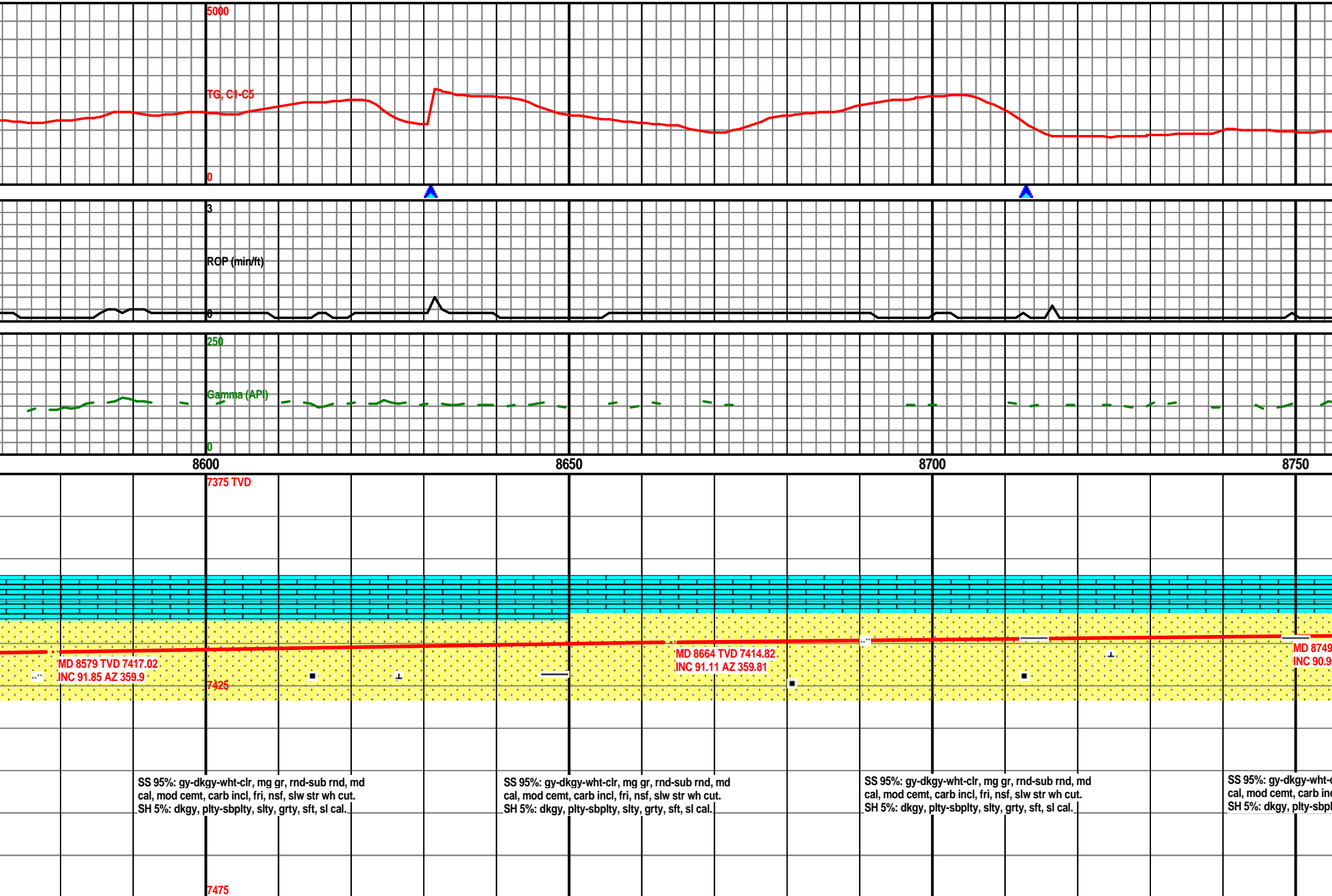
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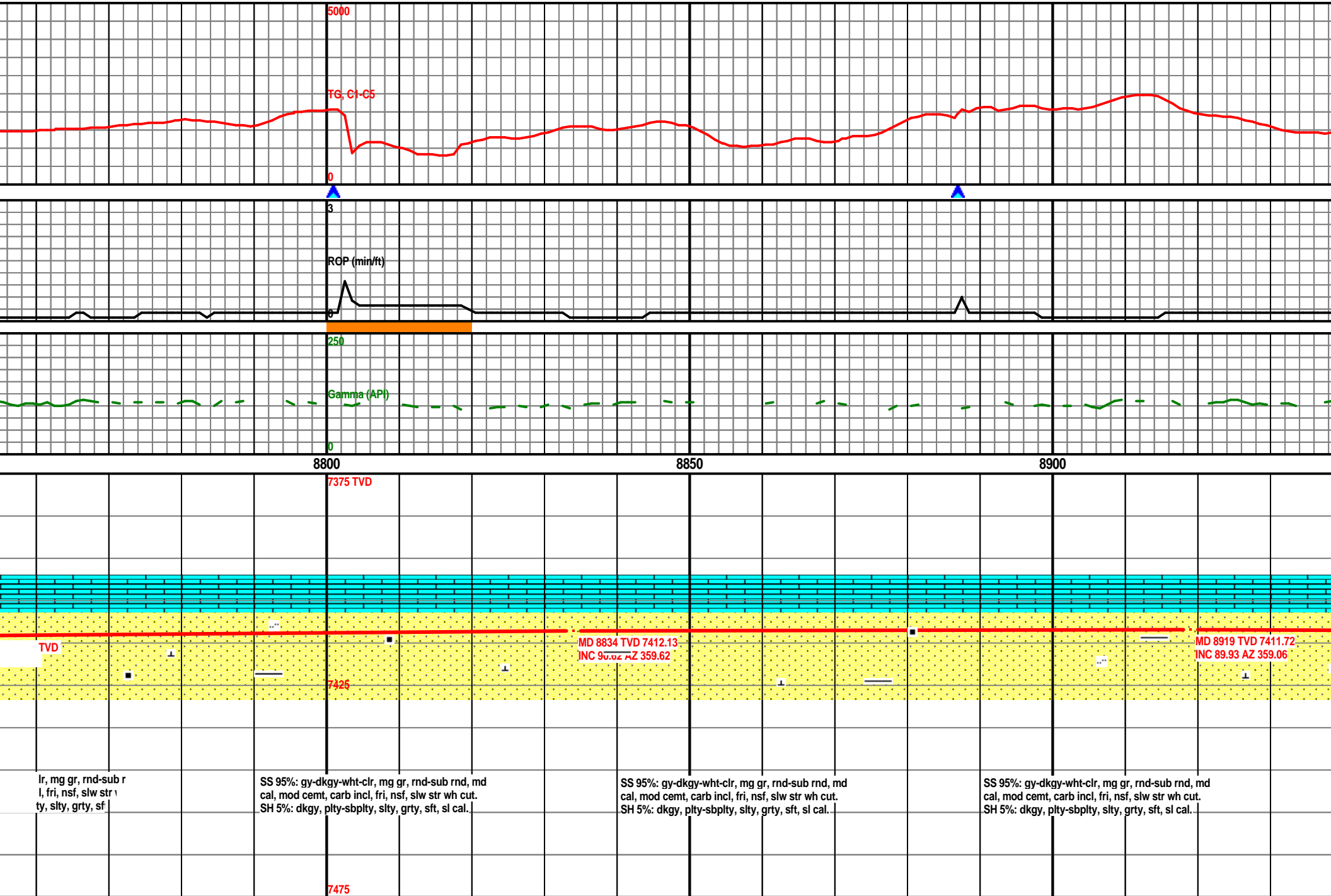
MW: 9.2/ VIS: 41



MW: 9.2/ VIS: 41

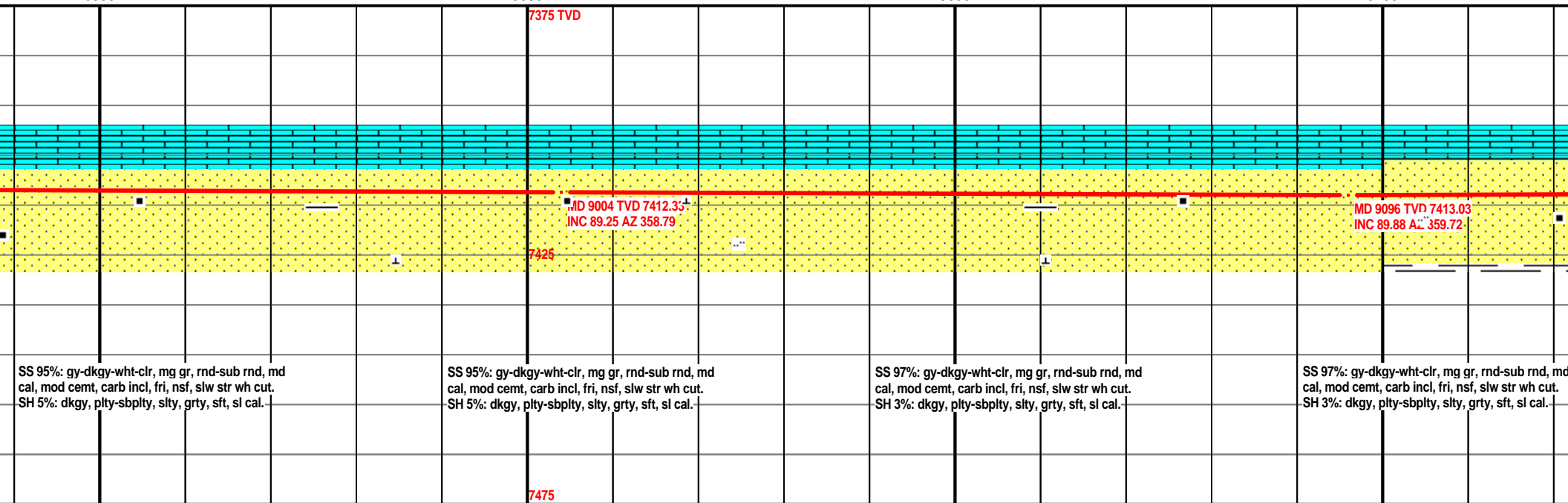
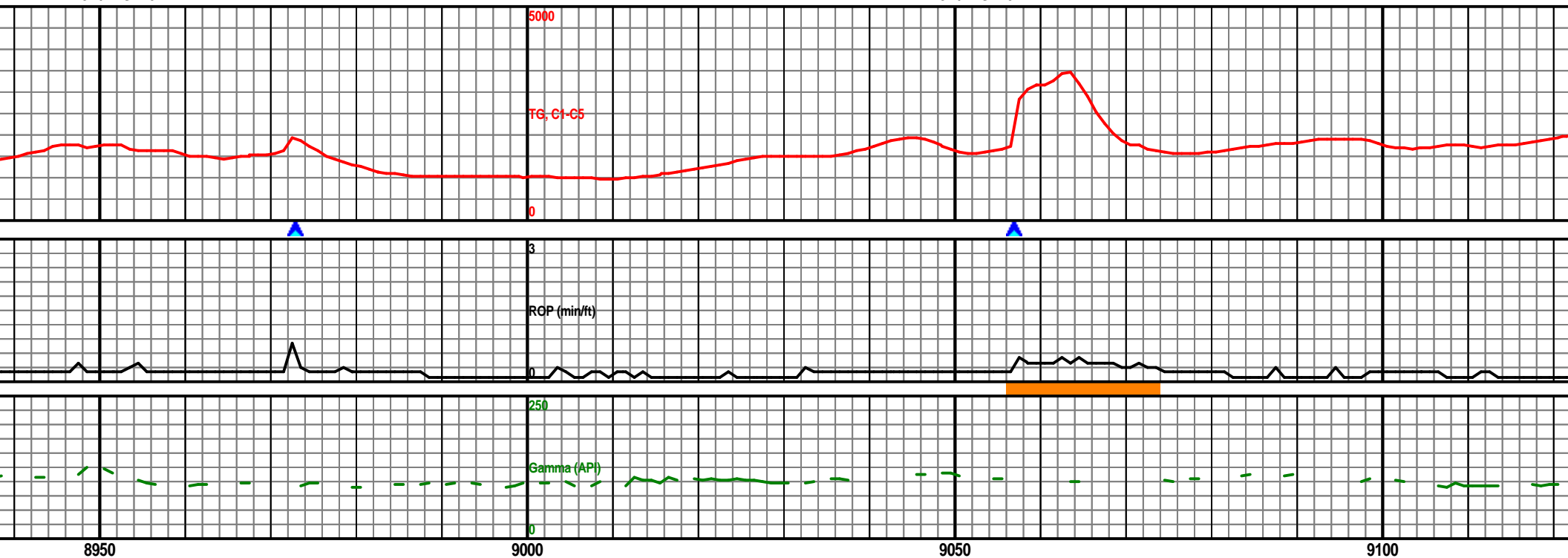
MW: 9.2/ VIS: 41





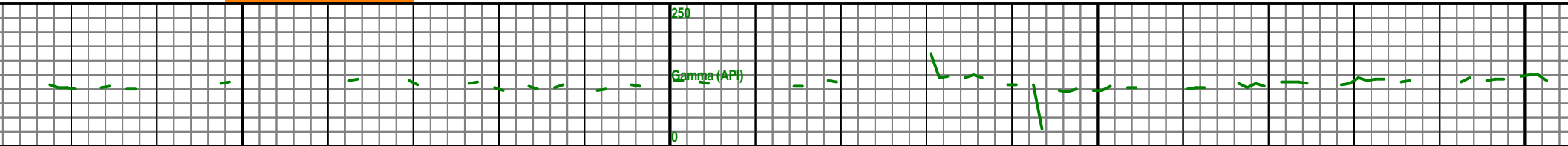
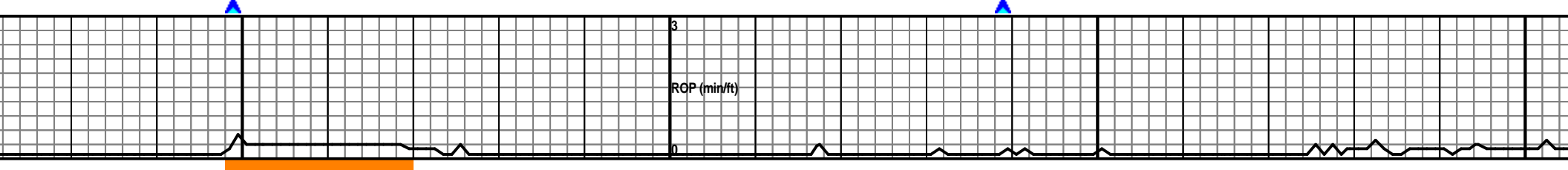
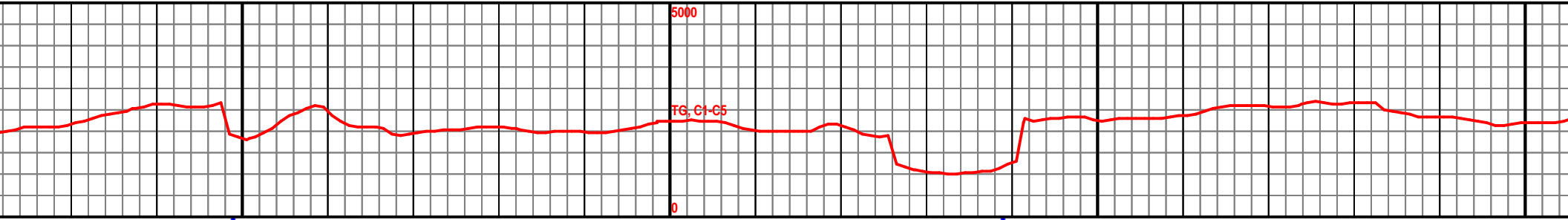
MW: 9.2/ VIS: 40

MW: 9.2/ VIS: 40



MW: 9.2/ VIS: 40

MW: 9.25/ VIS: 41



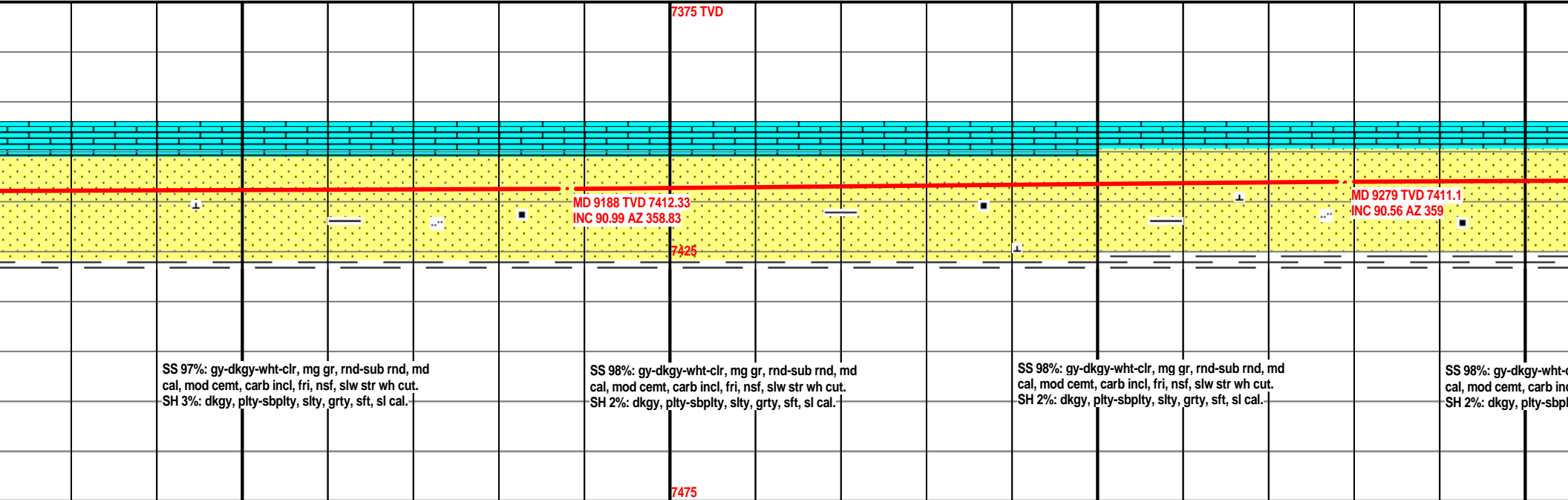
9150

9200

9250

9300

7375 TVD



MD 9188 TVD 7412.33
INC 90.99 AZ 358.83

MD 9279 TVD 7411.1
INC 90.56 AZ 359

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

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

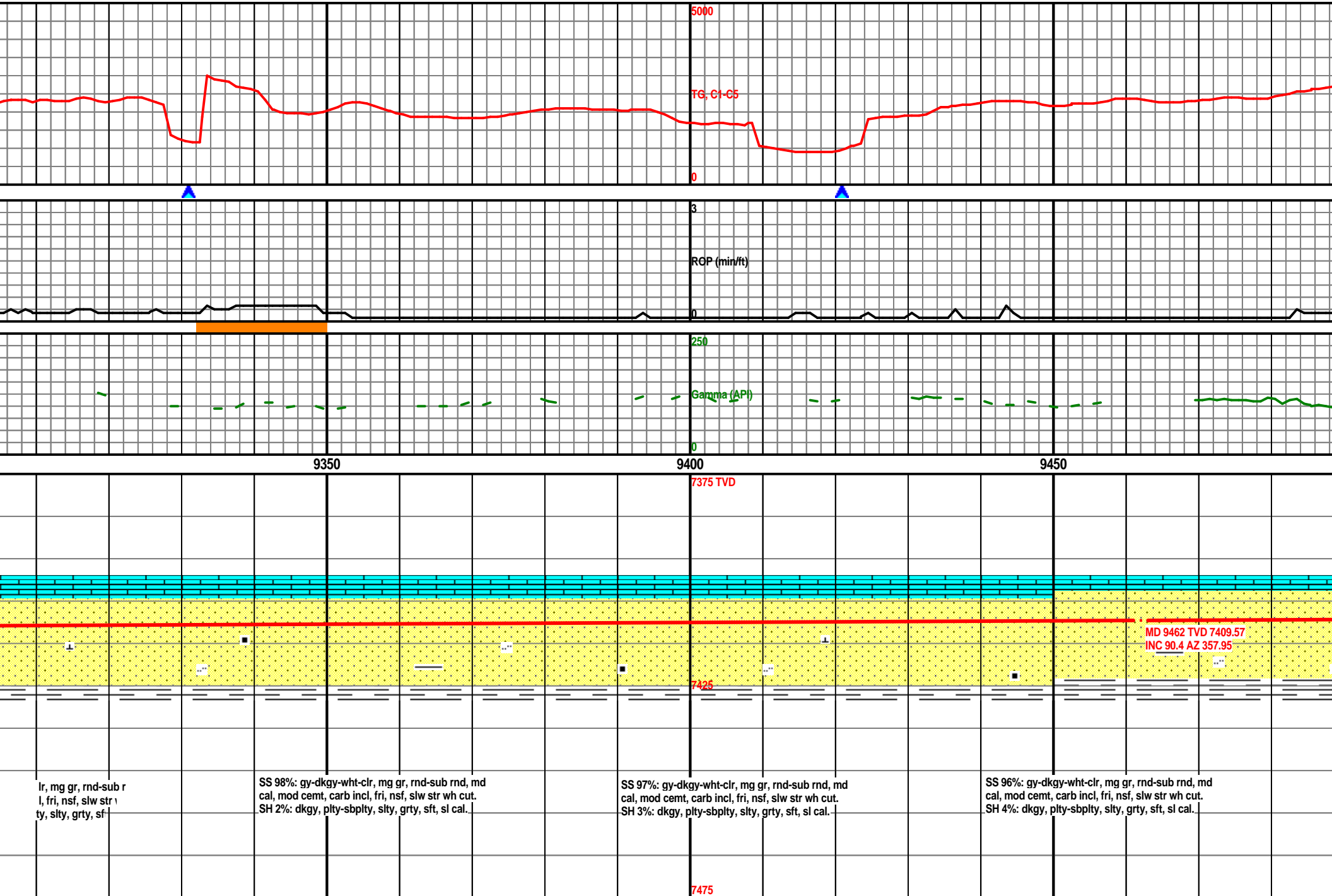
SS 98%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

7475

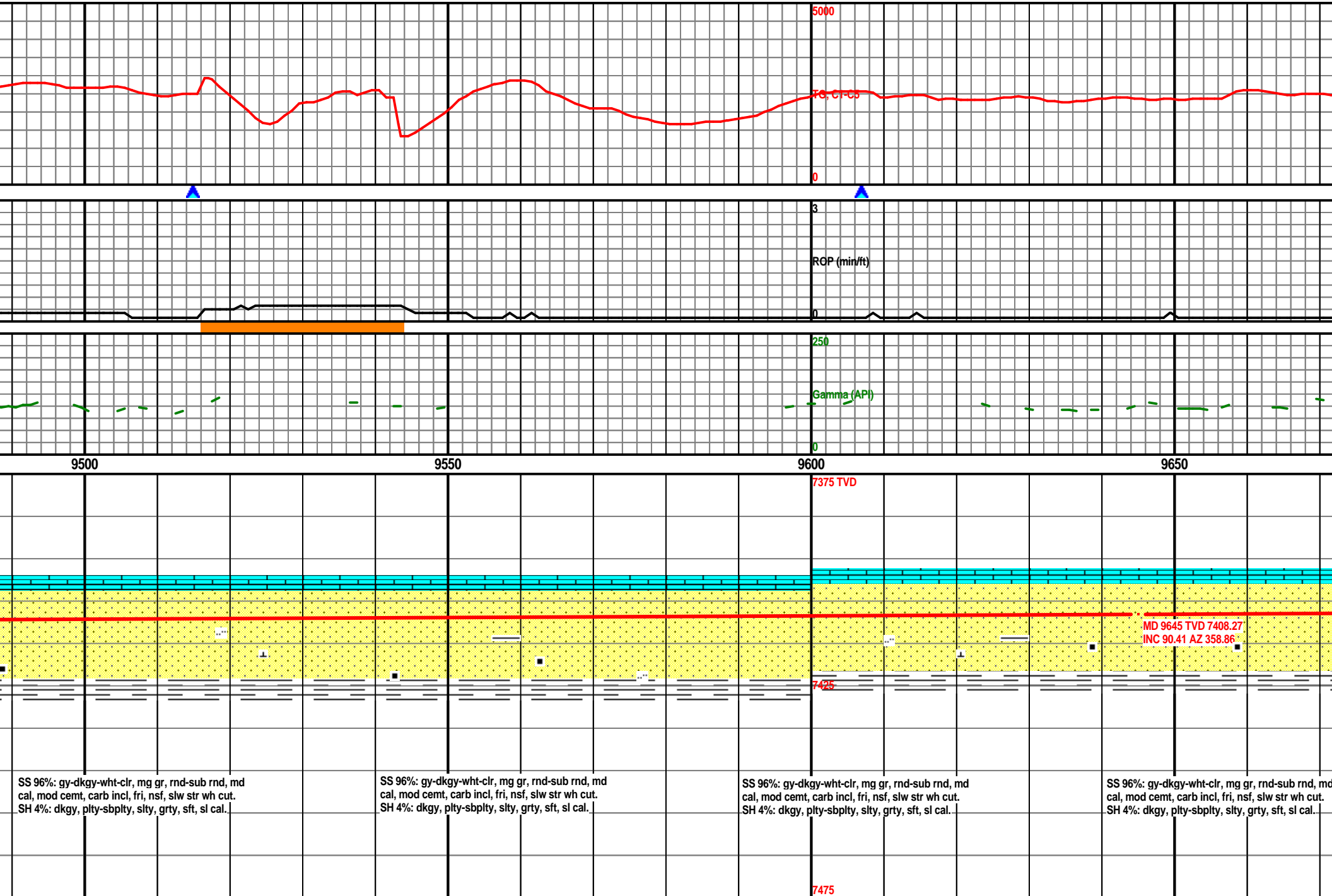
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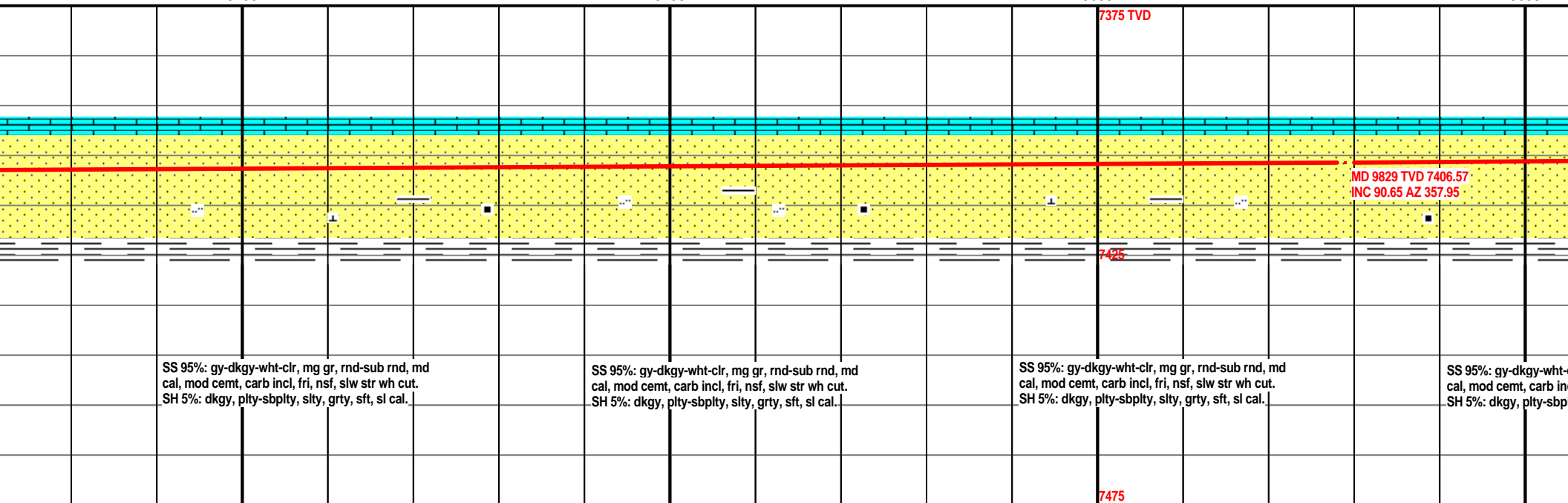
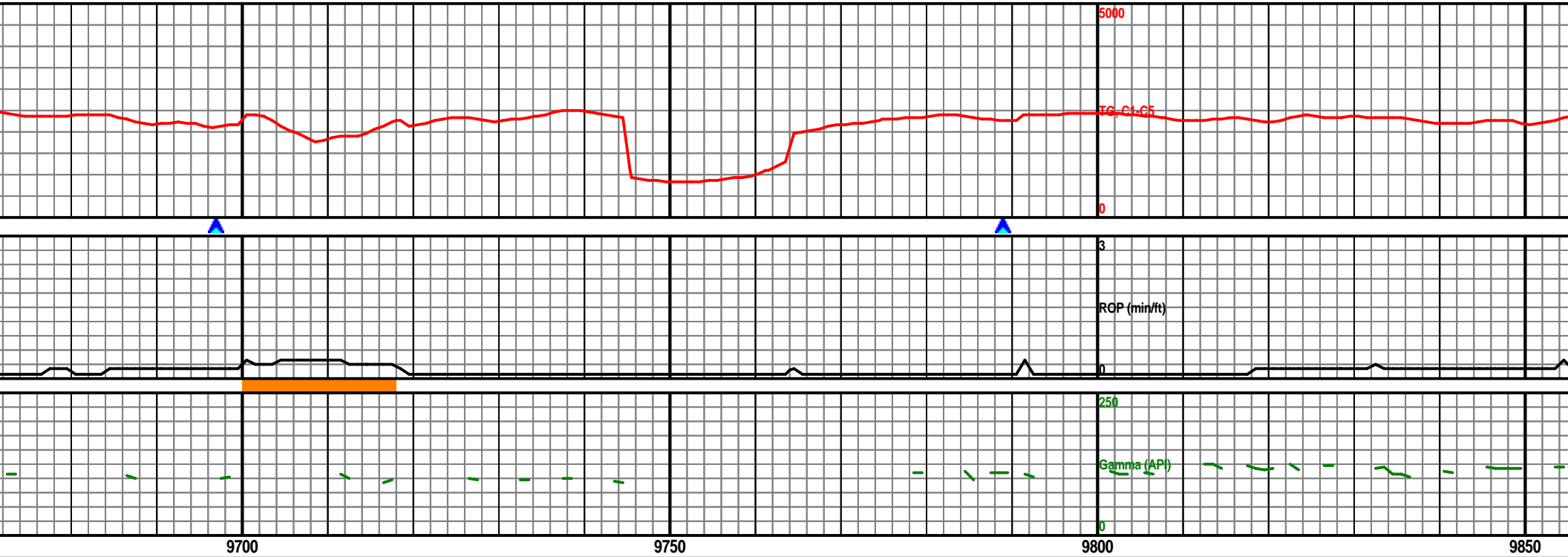
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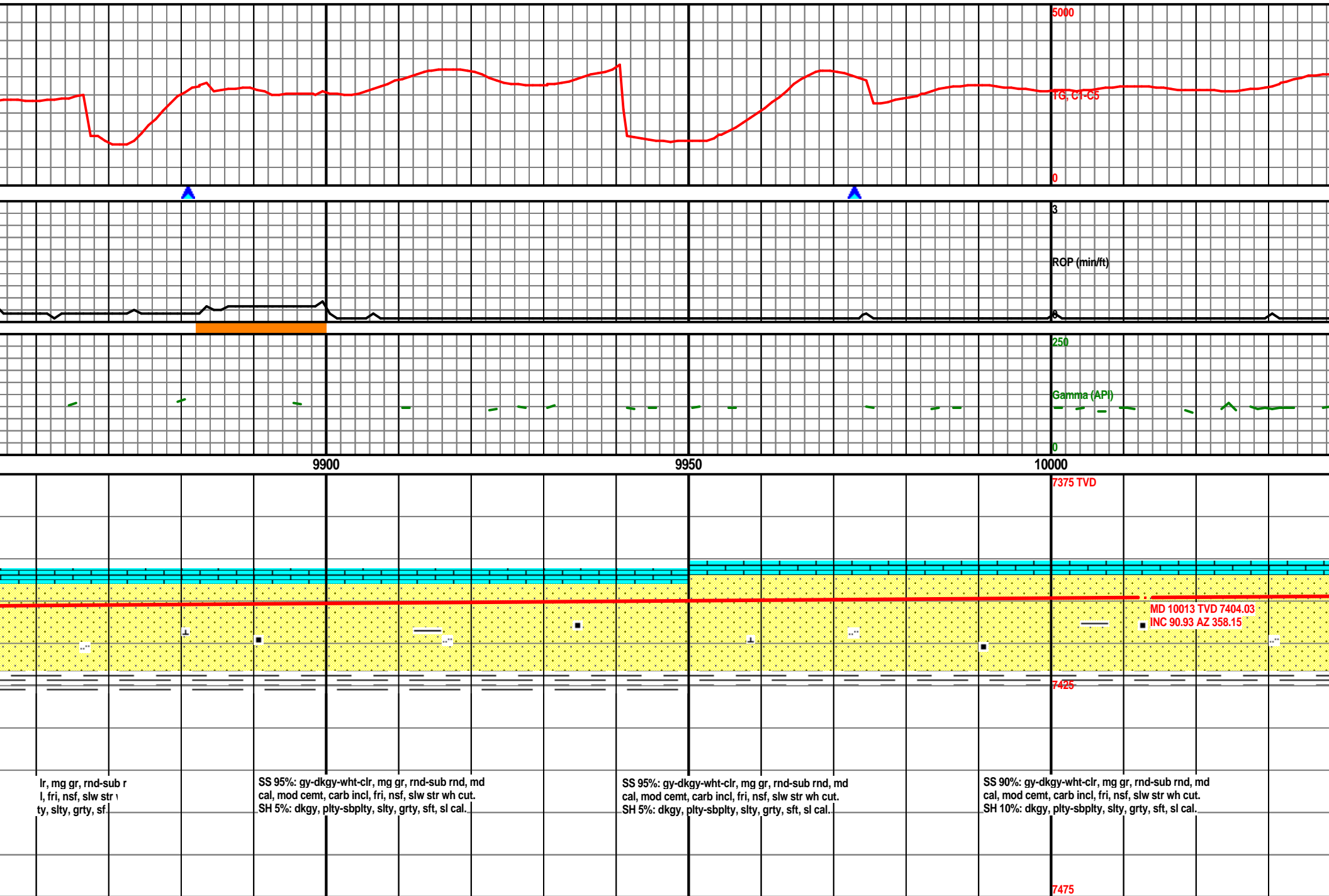


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MW: 9.20/ VIS: 42

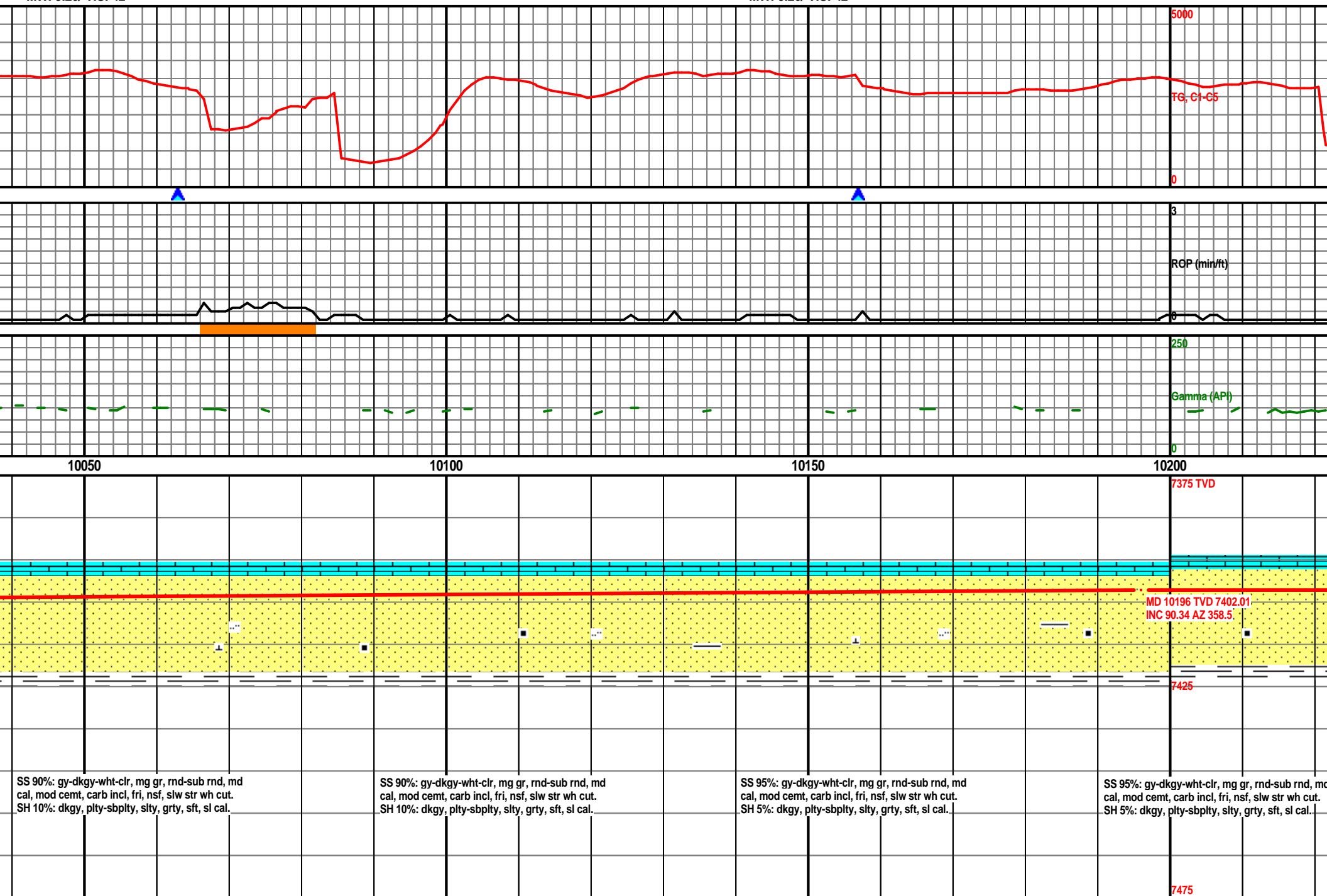


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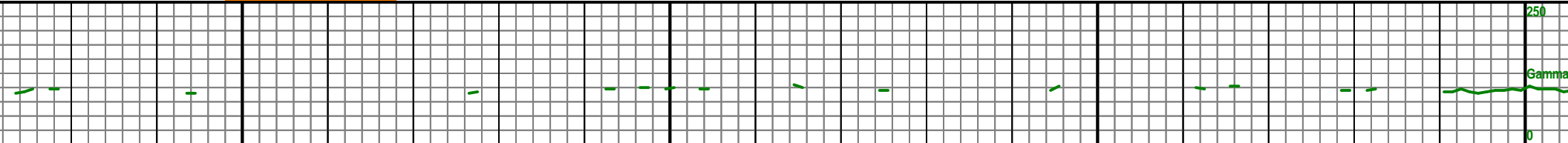
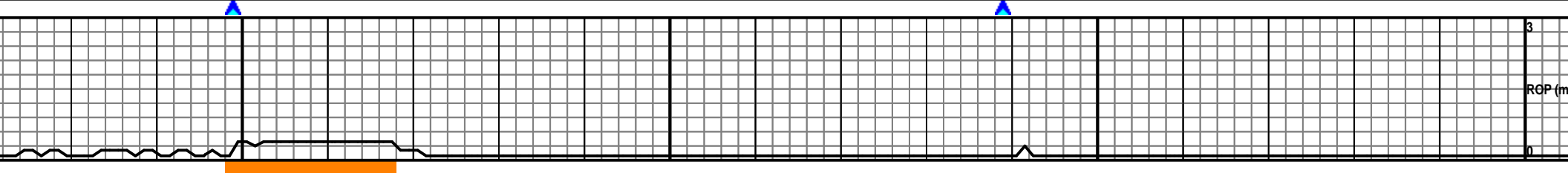
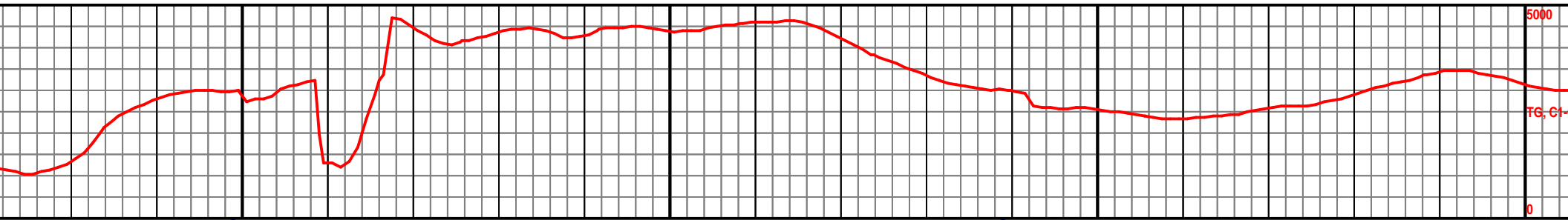
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MW: 9.20/ VIS: 42

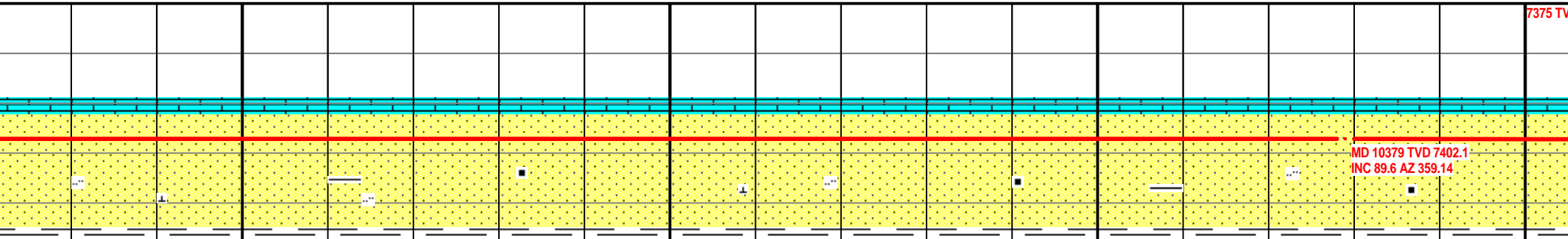


MW: 9.20/ VIS: 42

MW: 9.30/ VIS: 44



10250 10300 10350 10400



MD 10379 TVD 7402.1
INC 89.6 AZ 359.14

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

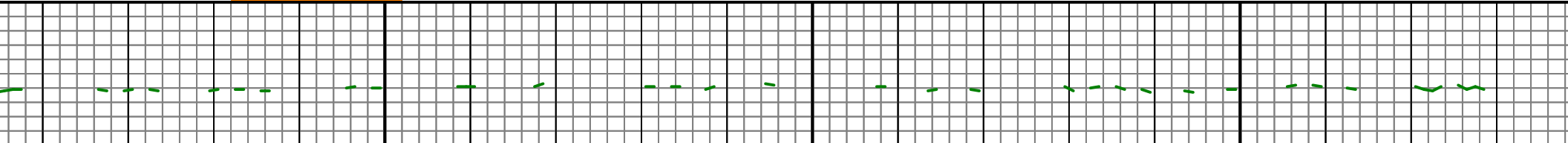
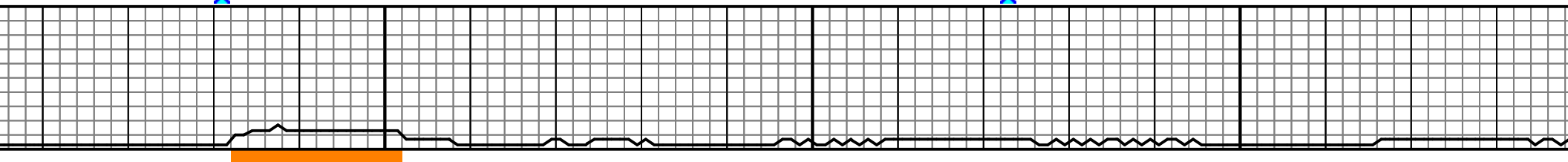
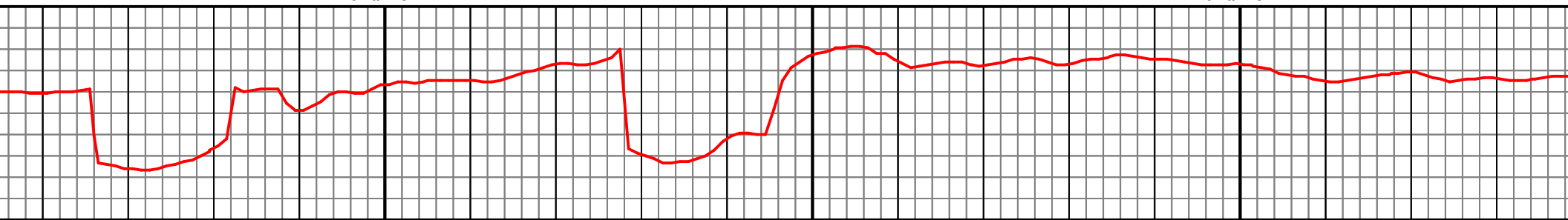
SS 95%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

7475

MW: 9.20/ VIS: 44

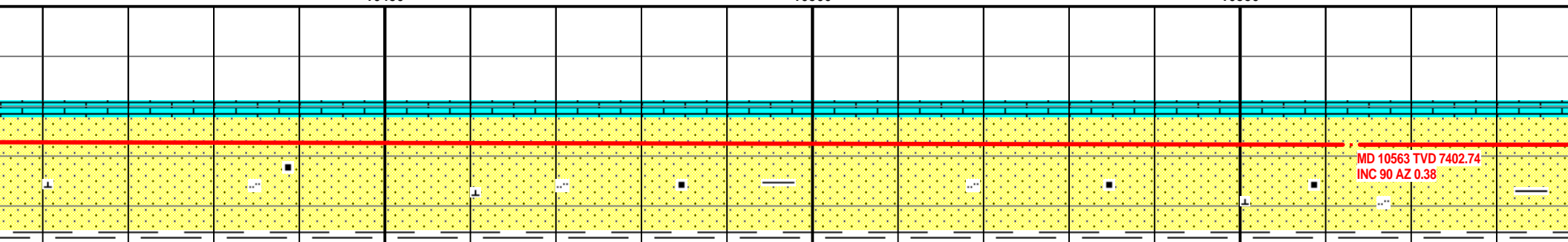
MW: 9.20/ VIS: 44



10450

10500

10550



MD 10563 TVD 7402.74
INC 90 AZ 0.38

lr, mg gr, rnd-sub r
l, fri, nsf, slw str
ty, slty, grty, sf

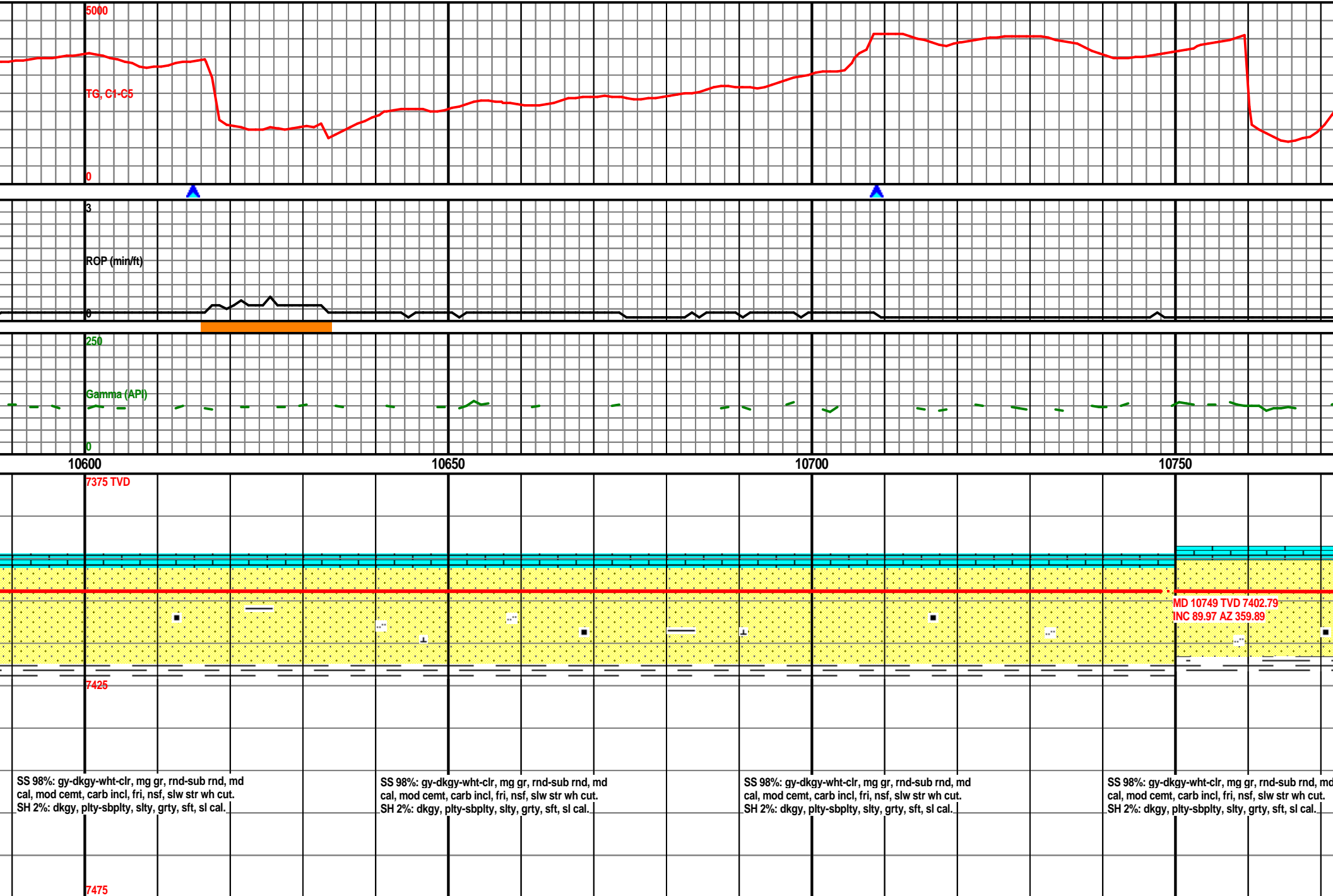
SS 98%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

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

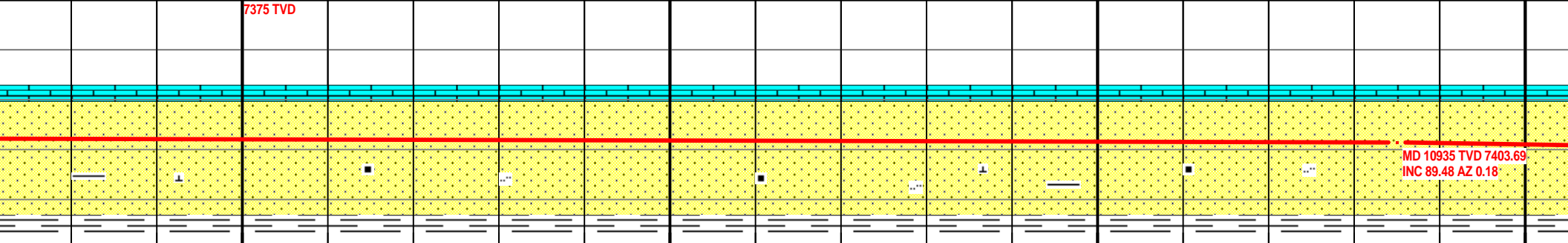
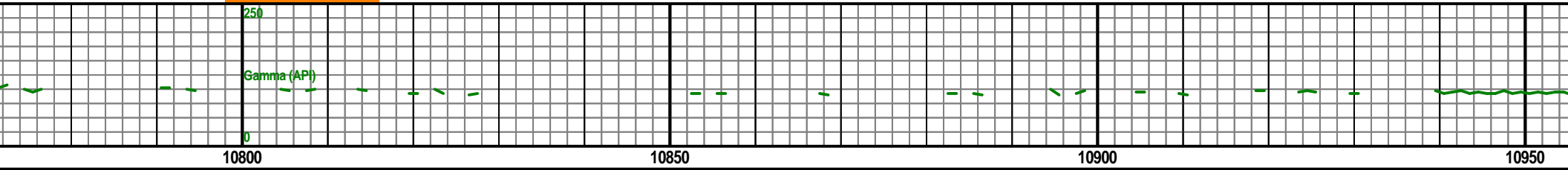
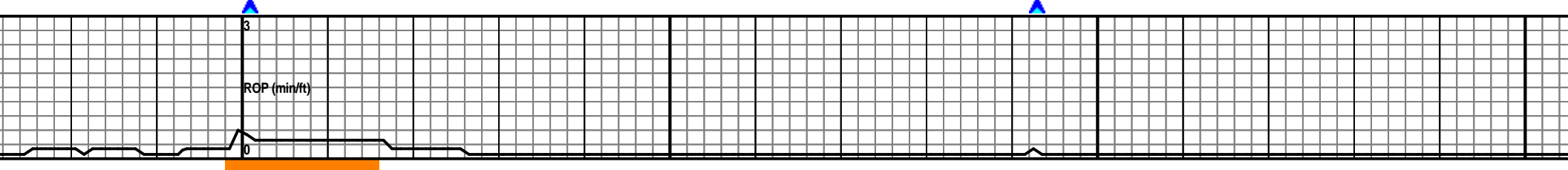
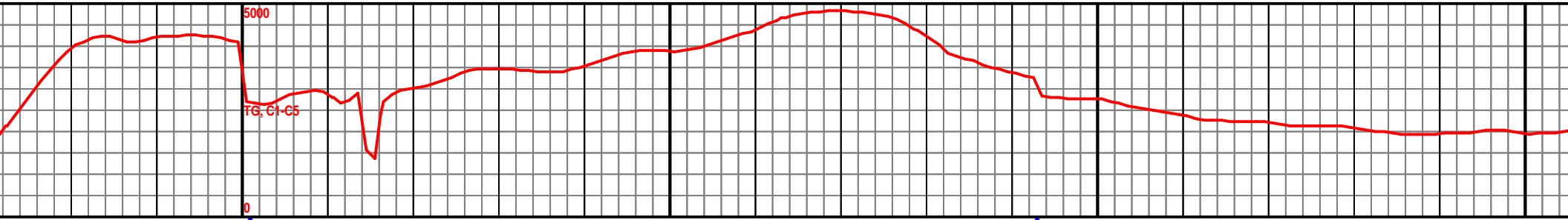
MW: 9.20/ VIS: 44

MW: 9.30/ VIS: 49



MW: 9.30/ VIS: 49

MW: 9.30/ VIS: 4



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

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

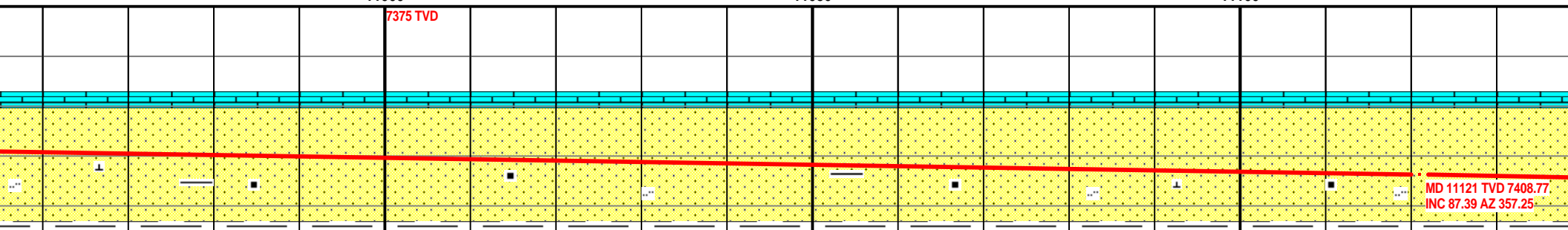
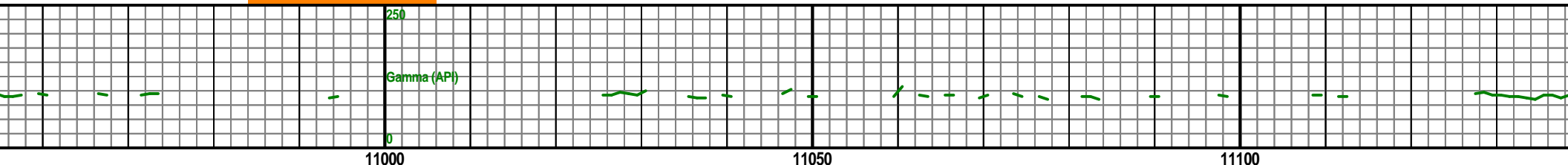
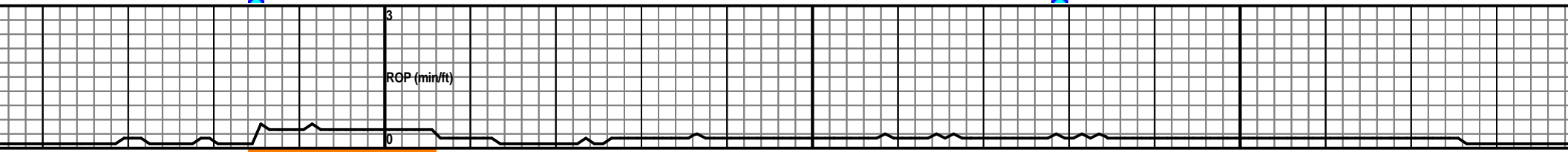
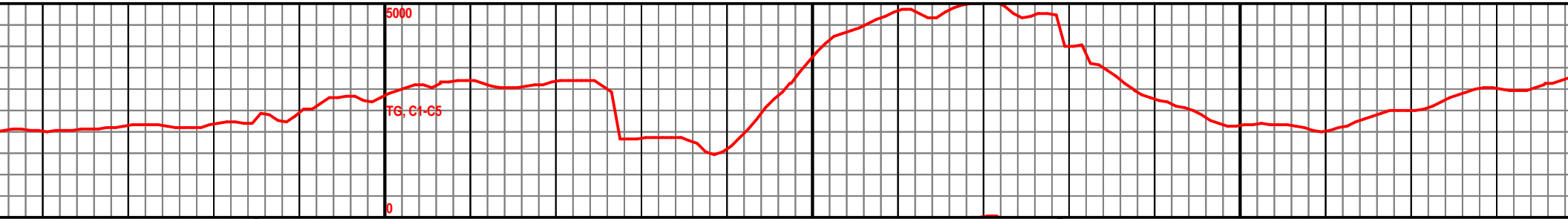
SS 98%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md cal, mod cement, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

MD 10935 TVD 7403.69
INC 89.48 AZ 0.18

7475

MW: 9.20/ VIS: 44



lr, mg gr, rnd-sub r
l, fri, nsf, slw str
ty, slty, grty, sf

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

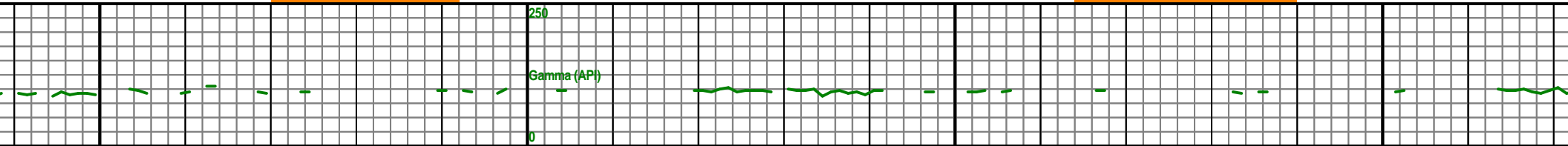
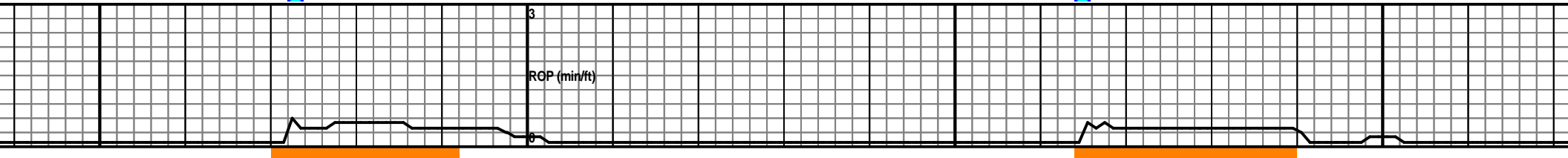
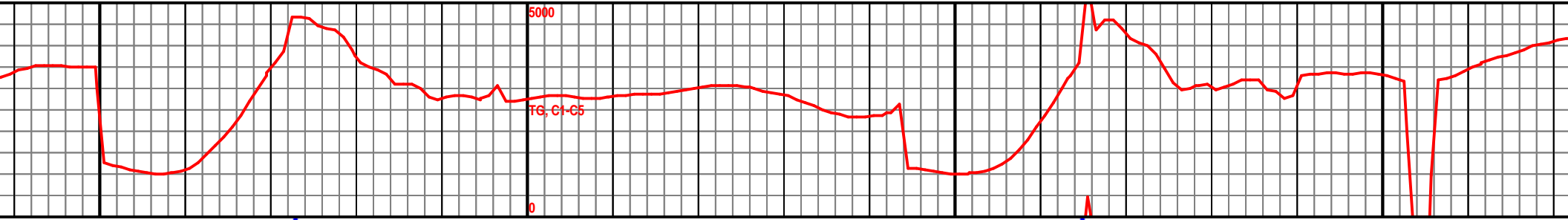
SS 98%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md
cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

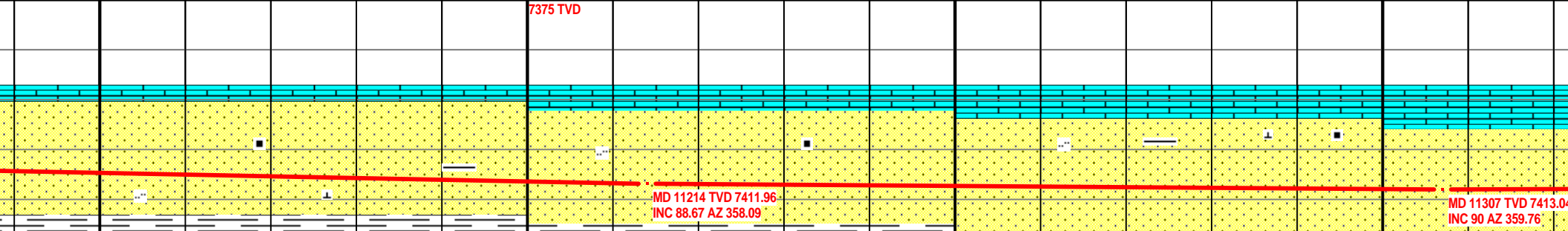
7475

MW: 9.20/ VIS: 44

MW: 9.20/ VIS: 44



11150 11200 11250 11300



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

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

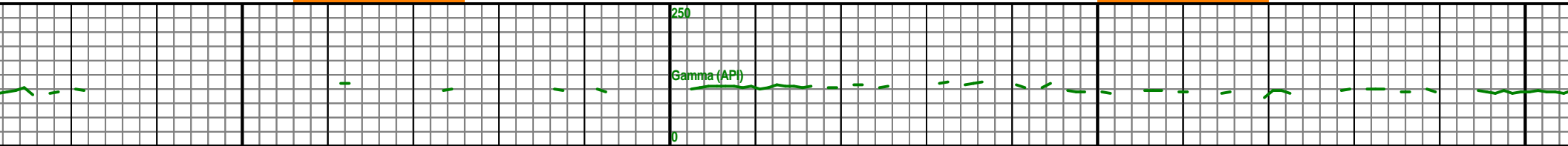
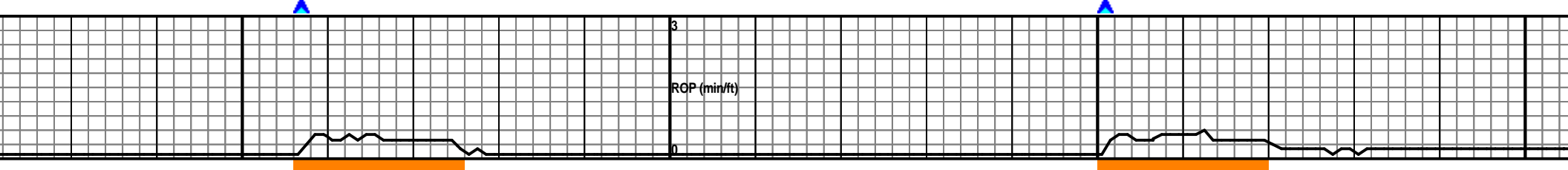
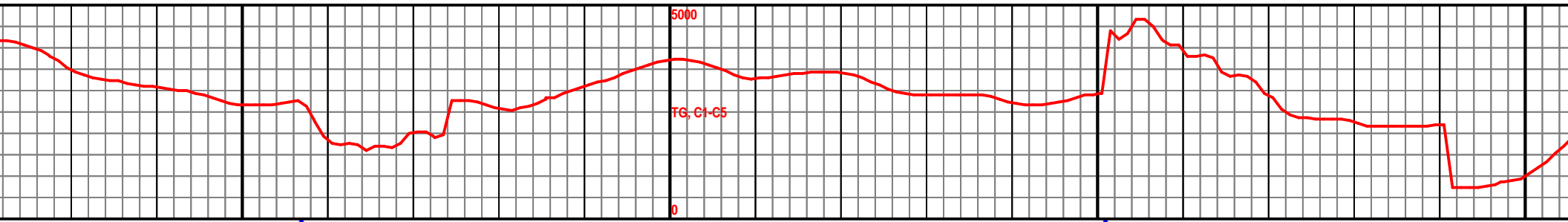
SS 95%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

7475

MW: 9.20/ VIS: 44

MW: 9.50/ VIS: 47

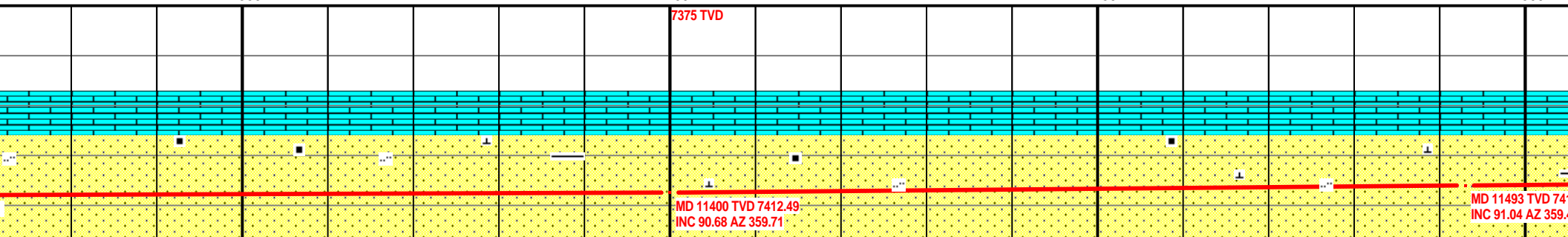


11350

11400

11450

11500



7375 TVD

MD 11400 TVD 7412.49
INC 90.68 AZ 359.71

7425

MD 11493 TVD 7412.49
INC 91.04 AZ 359.71

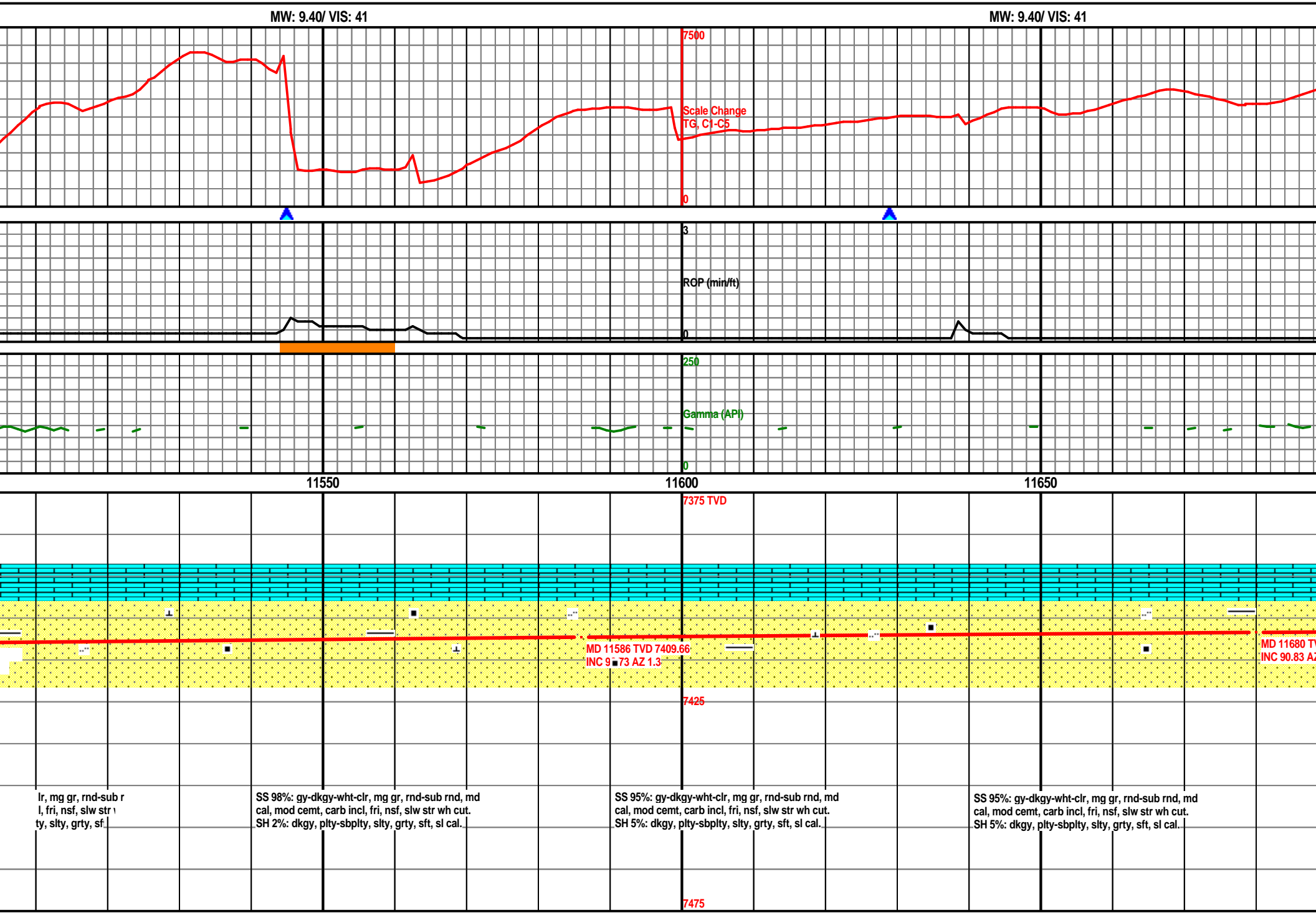
SS 95%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

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

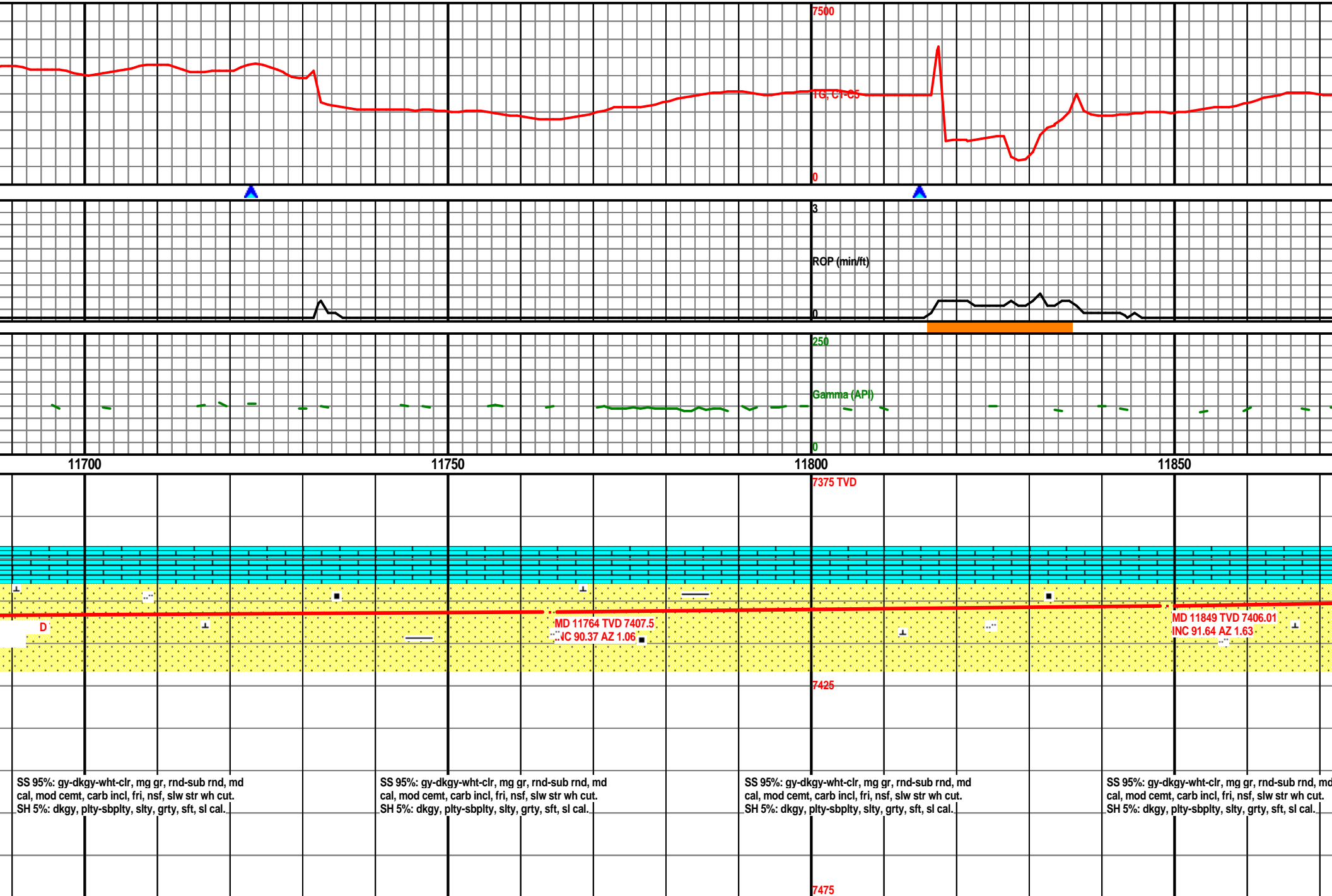
SS 98%: gy-dkgy-wht-clr, mg gr, rnd-sub rnd, md cal, mod cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

7475



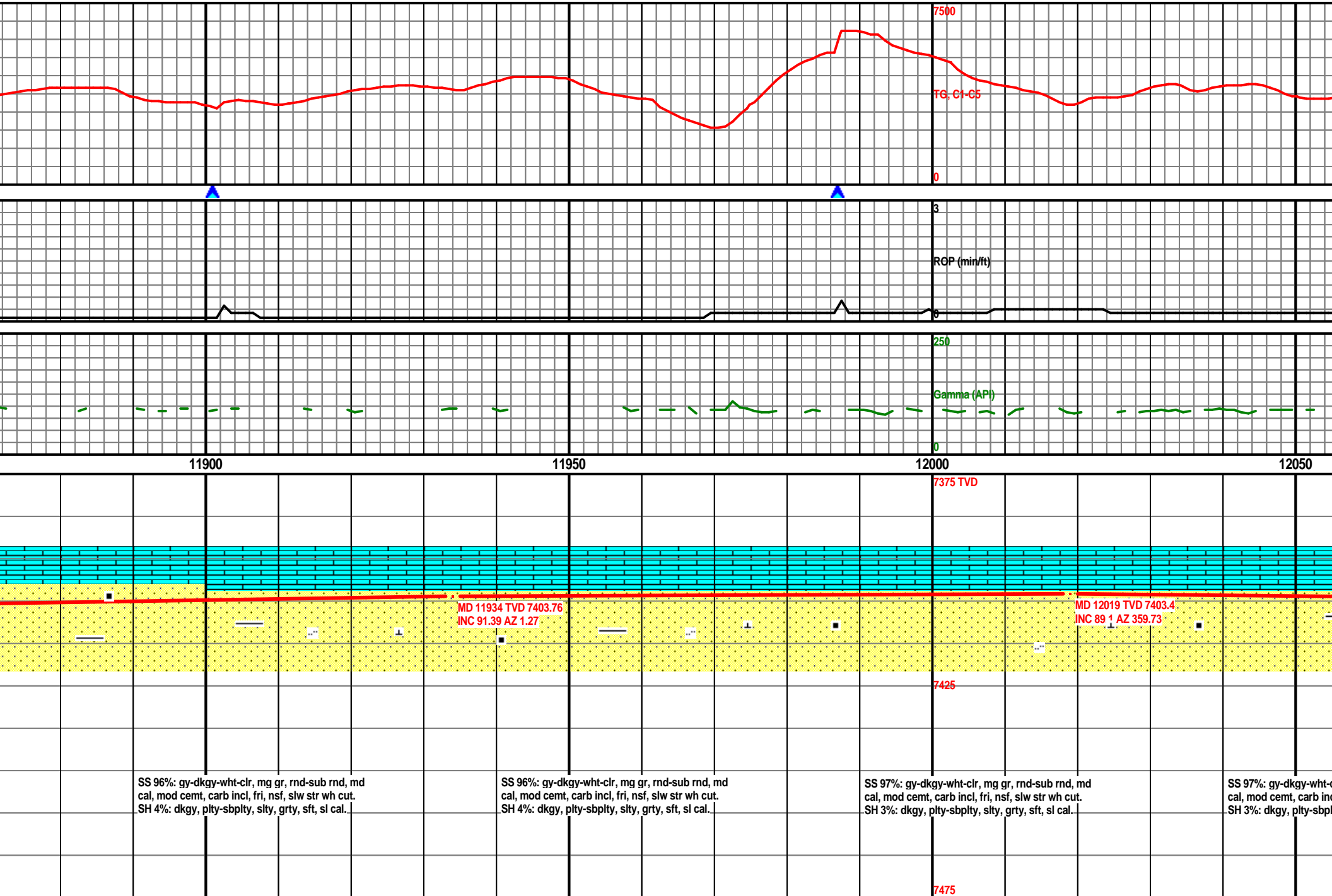
MW: 9.40/ VIS: 42

MW: 9.40/ VIS: 42

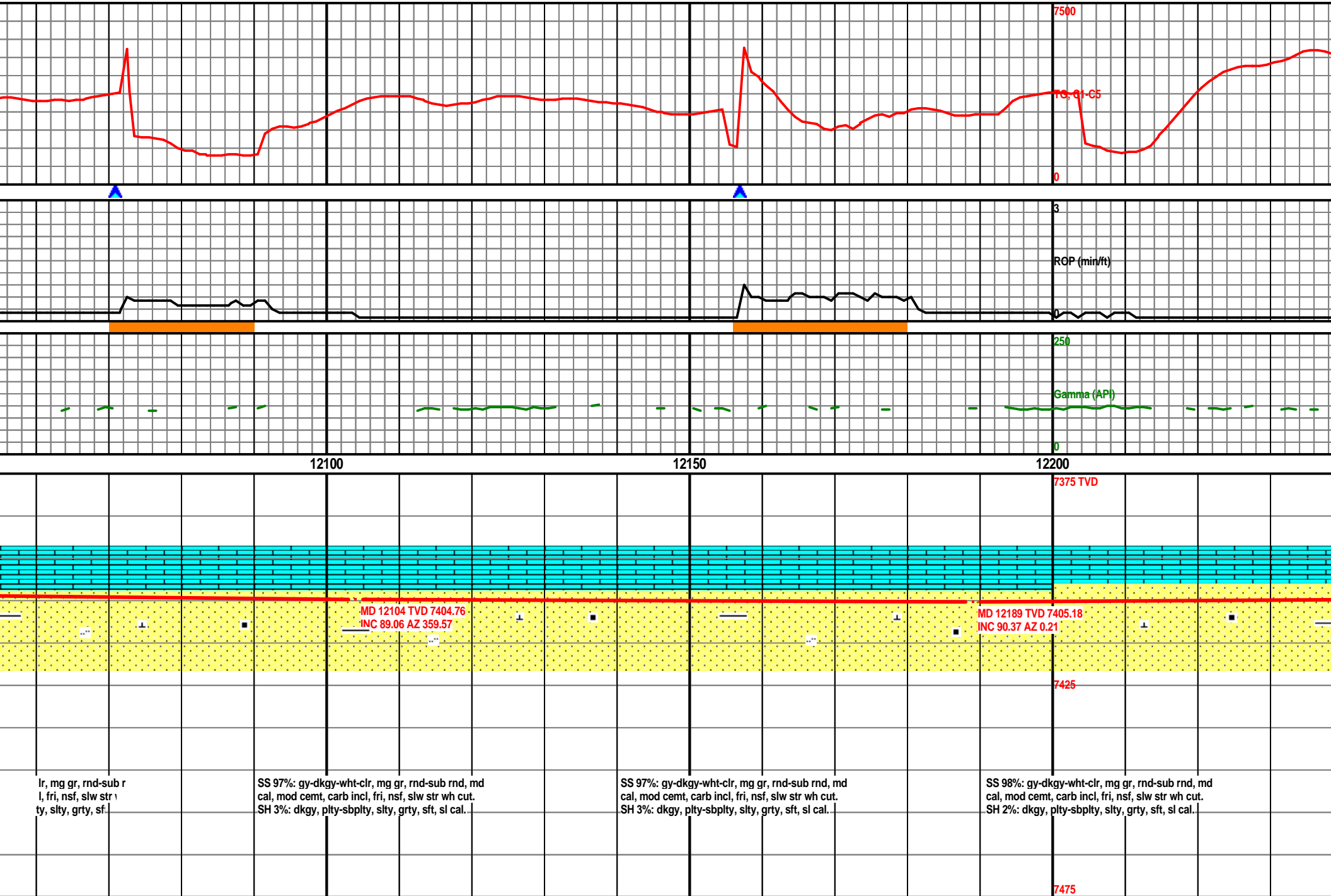


MW: 9.40/ VIS: 44

MW: 9.40/ VIS: 44

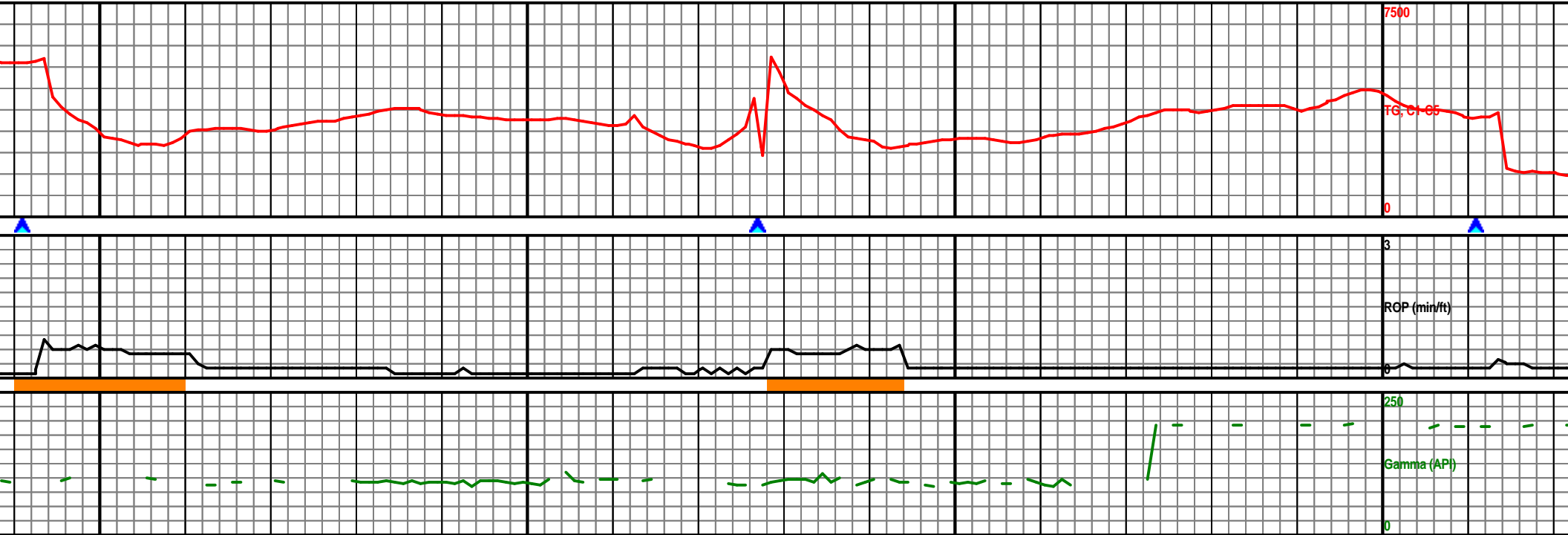


MW: 9.40/ VIS: 45

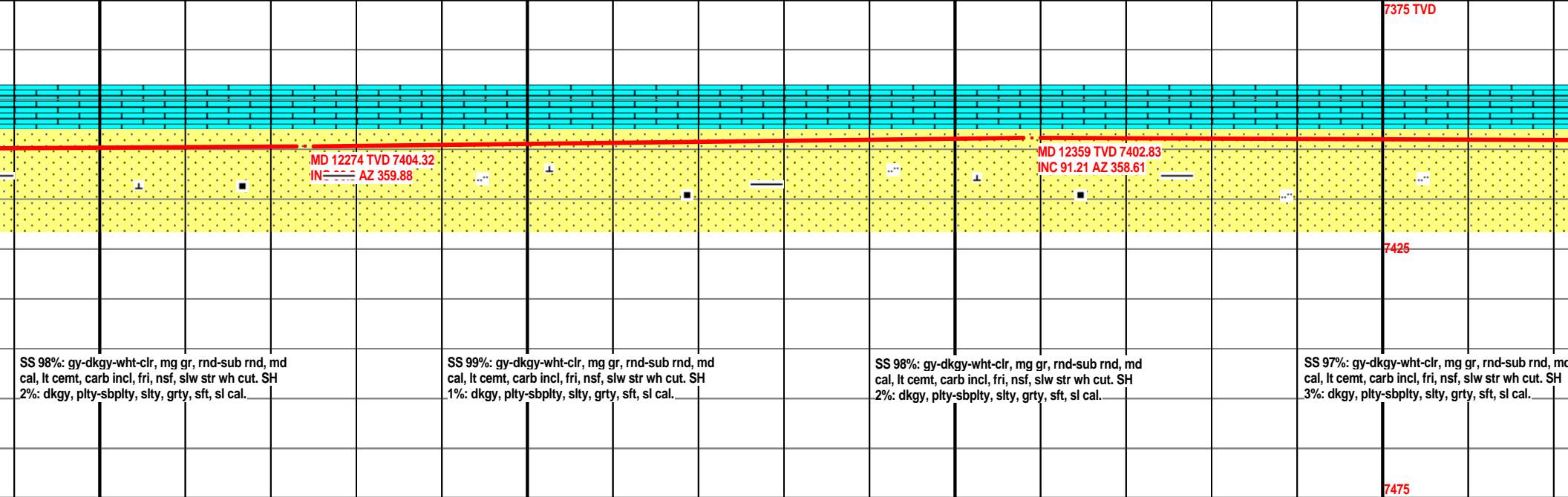


MW: 9.40/ VIS: 45

MW: 9.40/ VIS: 42

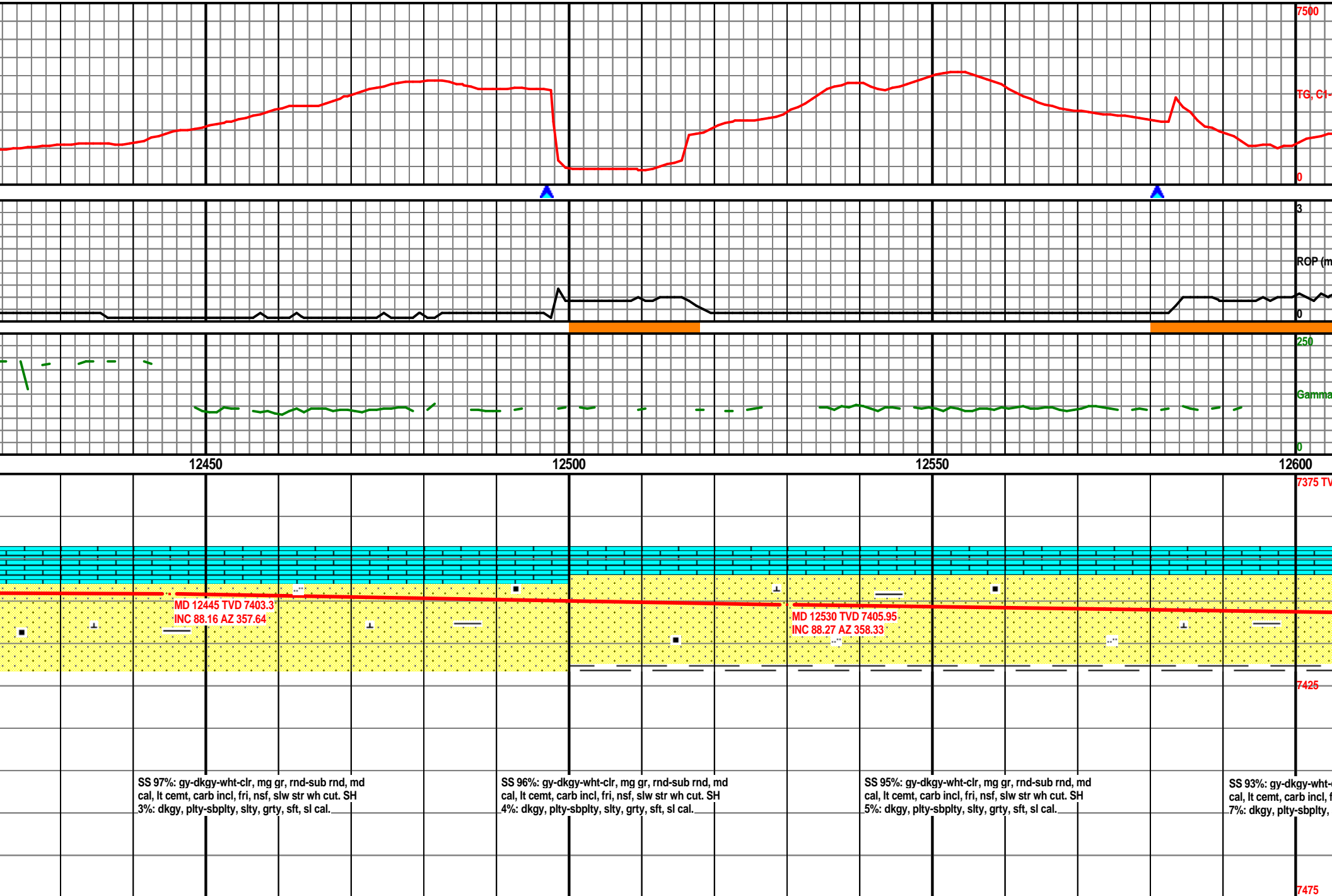


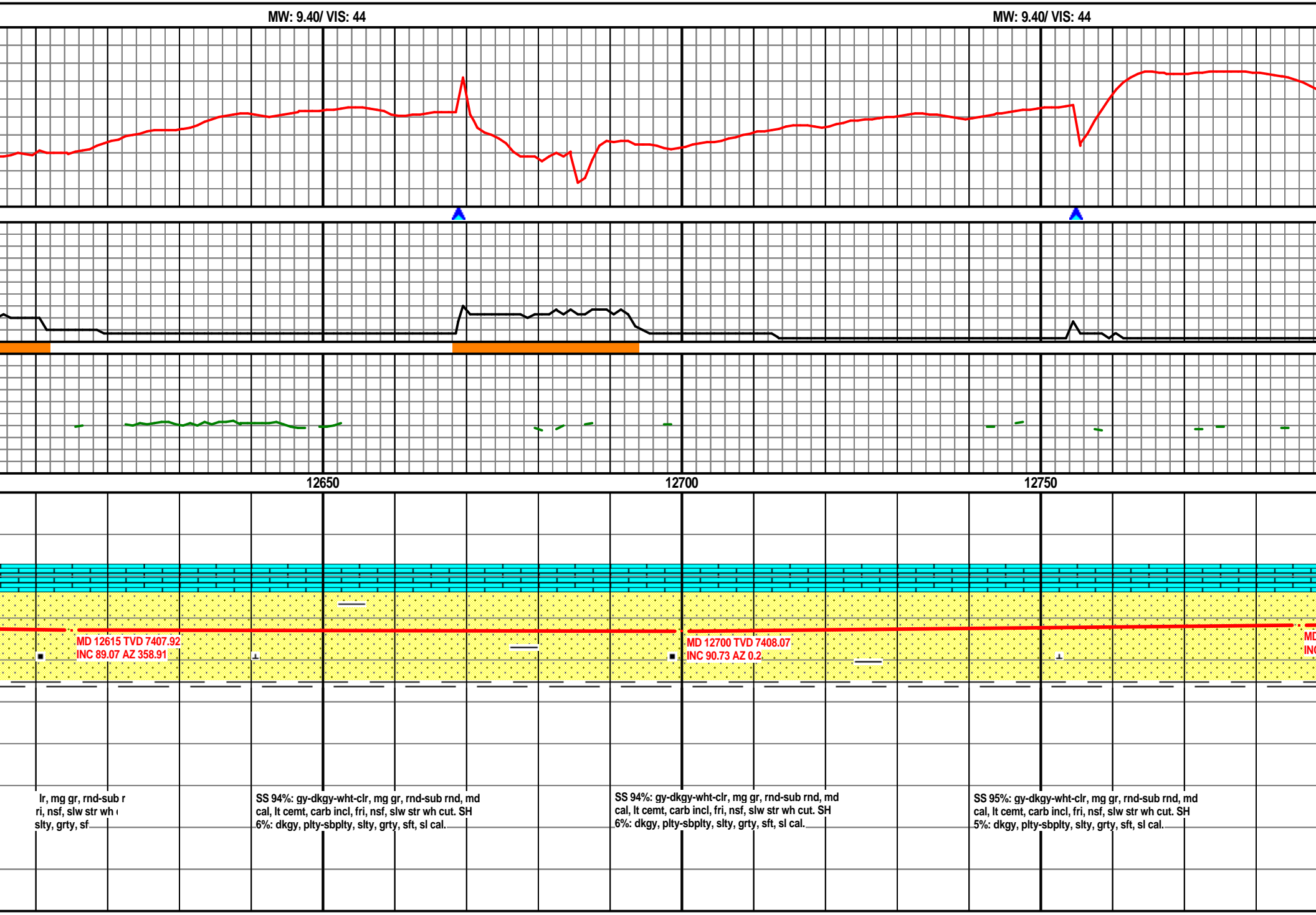
12250 12300 12350 12400



MW: 9.40/ VIS: 44

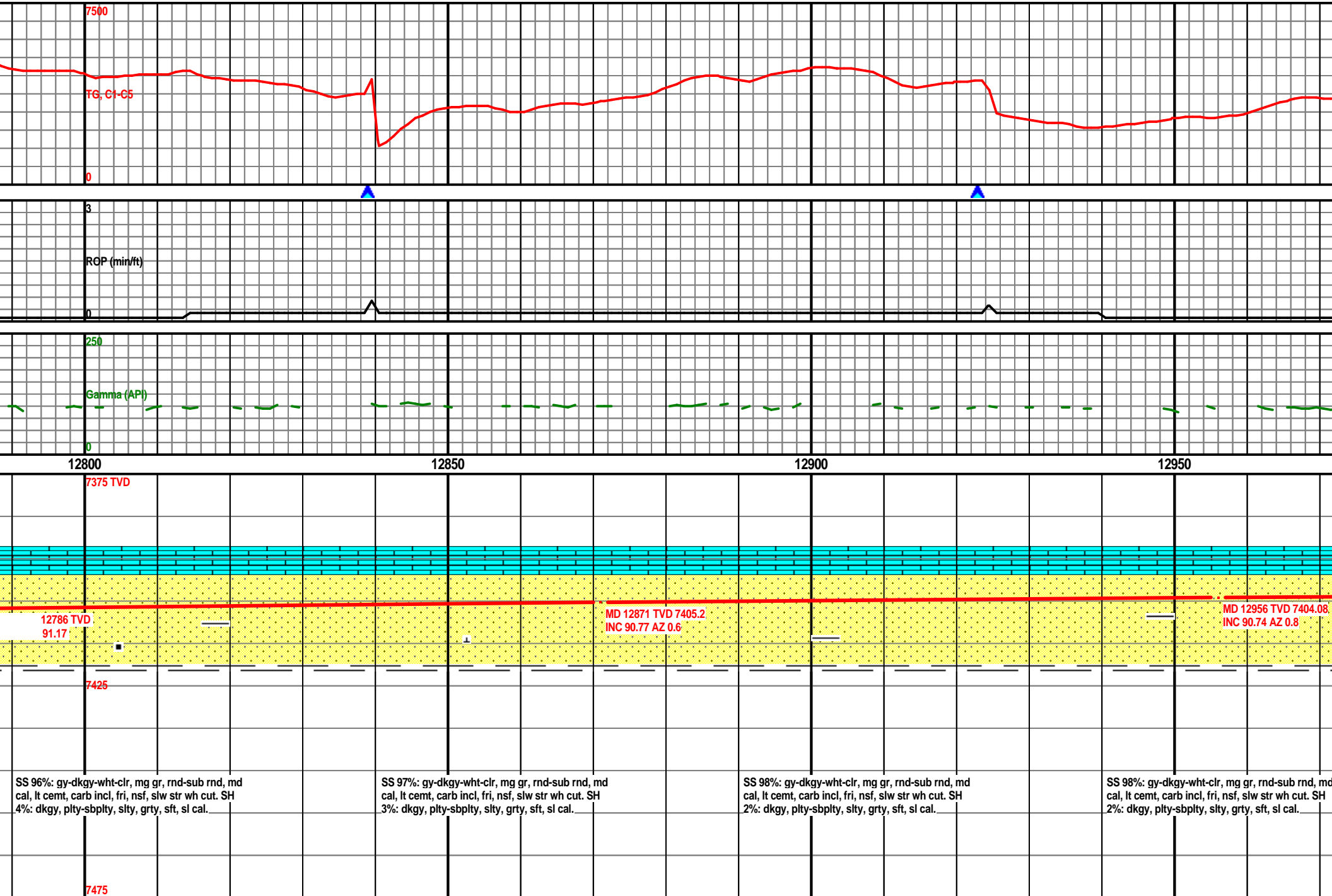
MW: 9.40/ VIS: 44





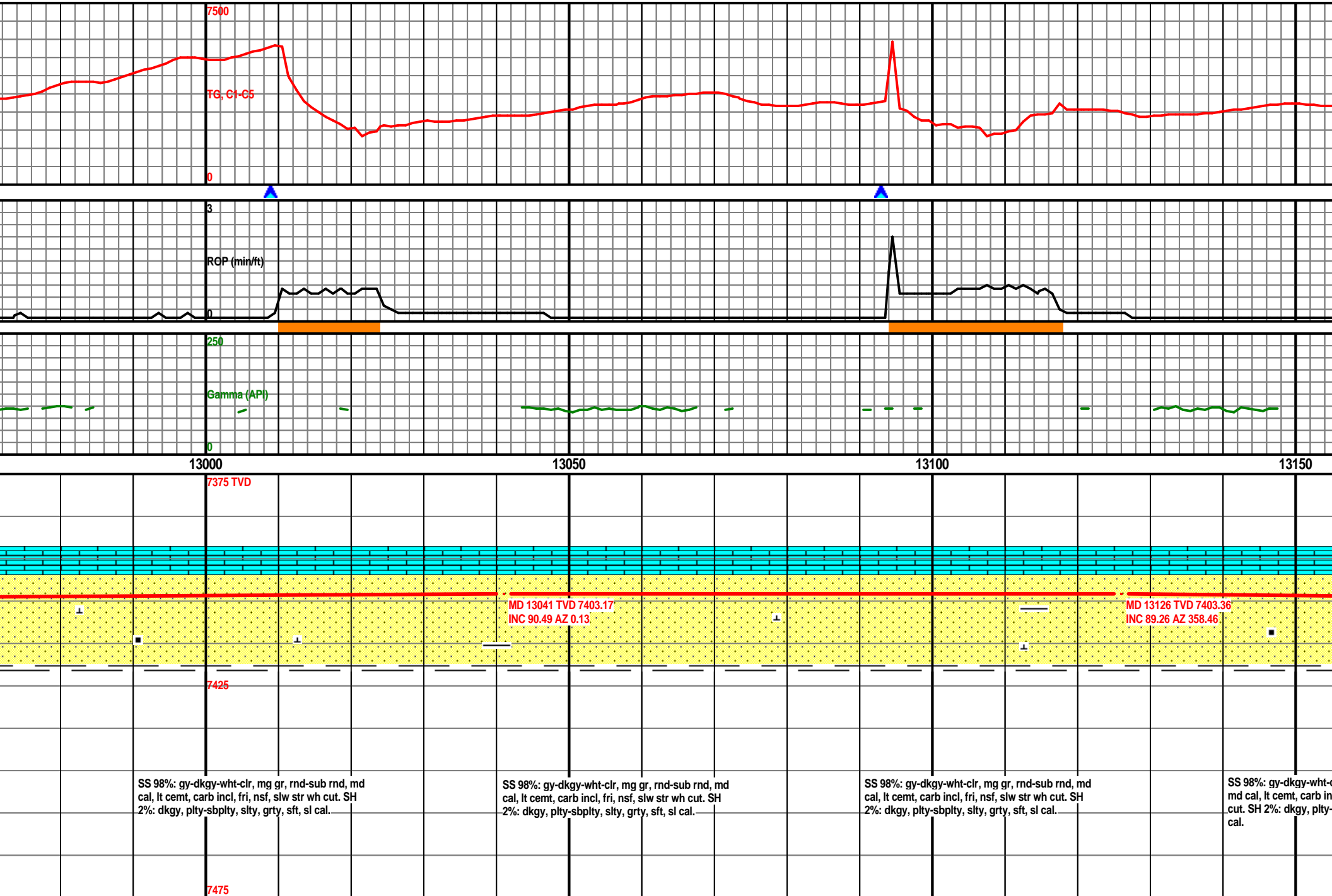
MW: 9.50/ VIS: 44

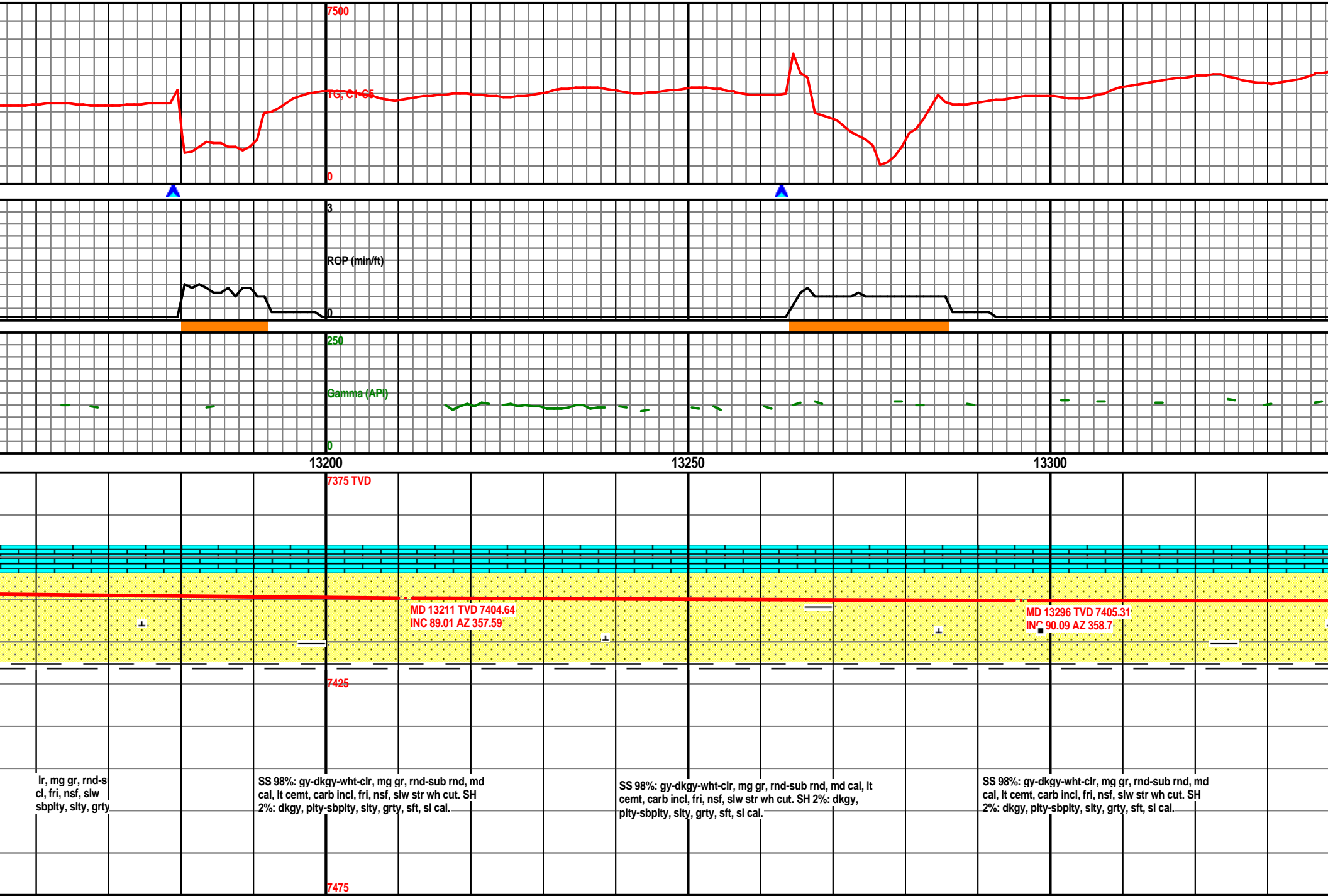
MW: 9.50/ VIS: 44



MW: 9.40/ VIS: 44

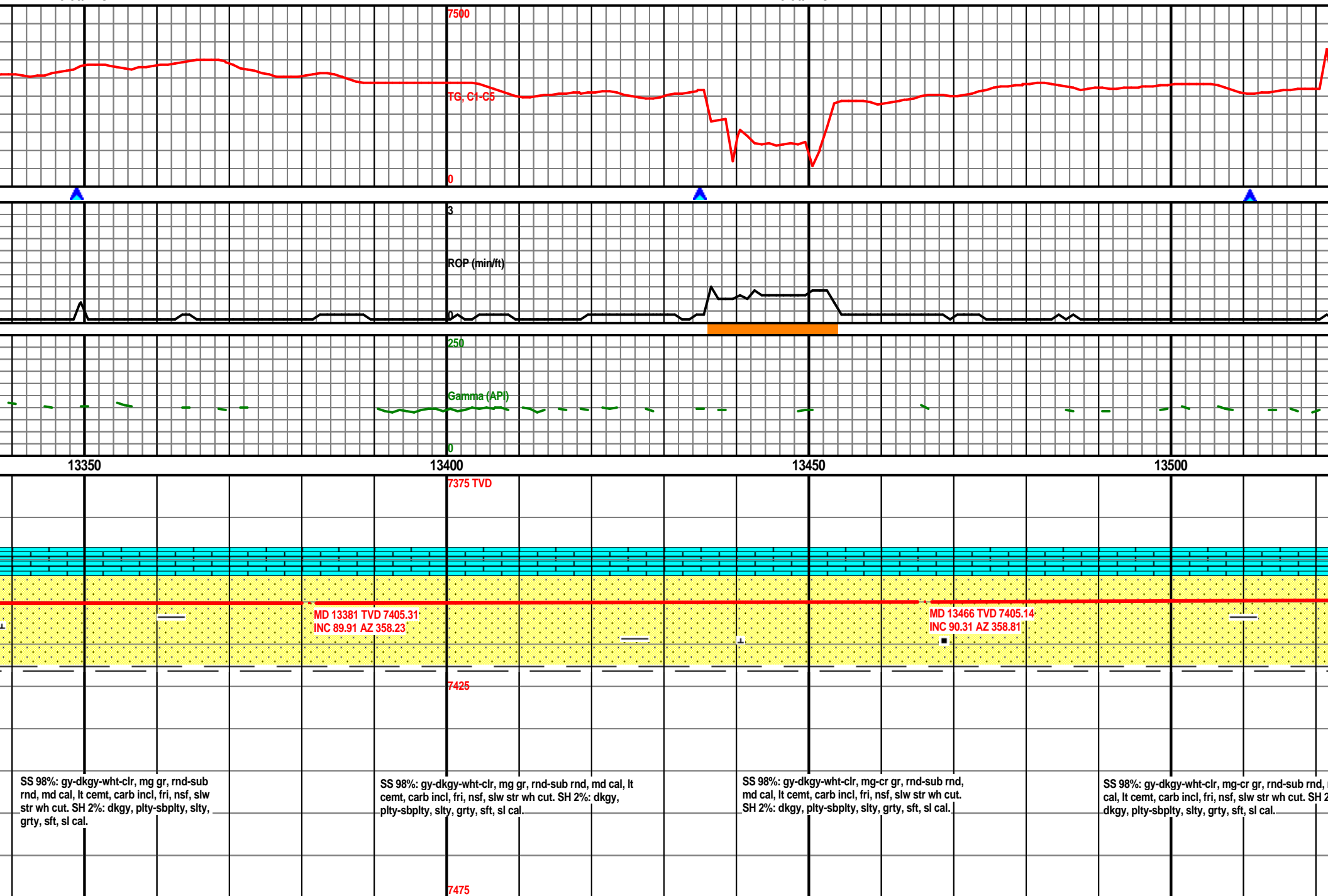
MW: 9.40/ VIS: 44





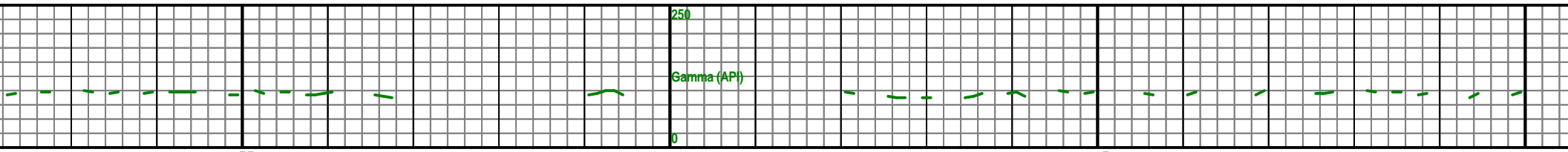
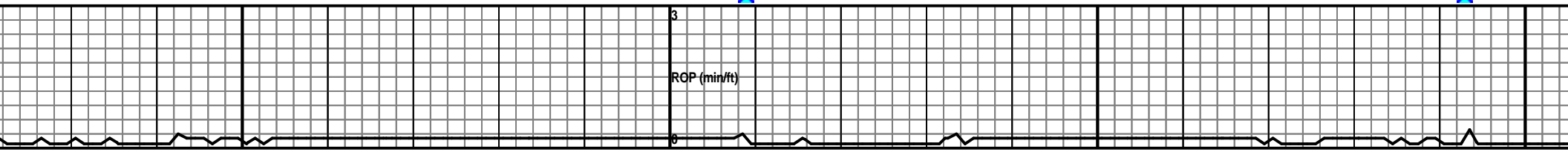
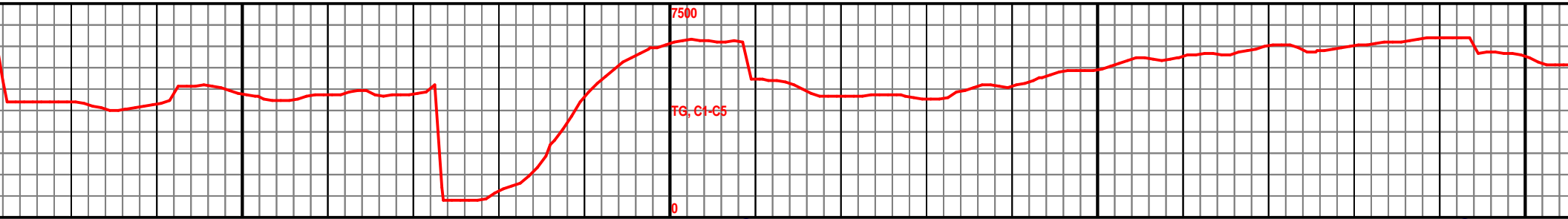
MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44



MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44

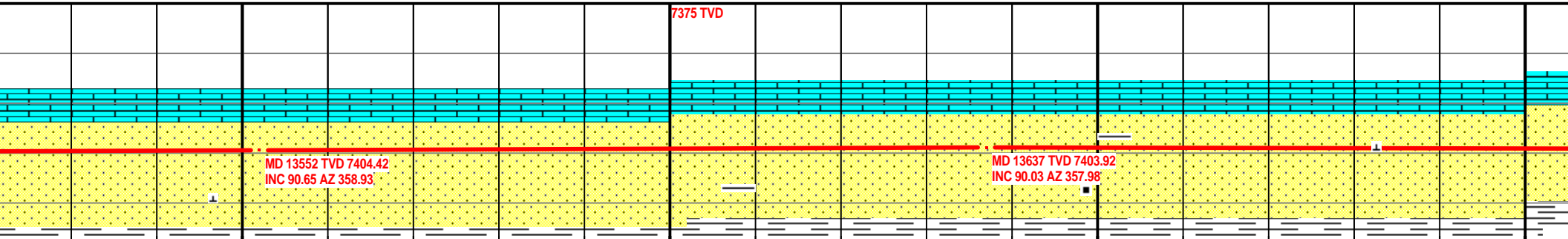


13550

13600

13650

13700



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

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

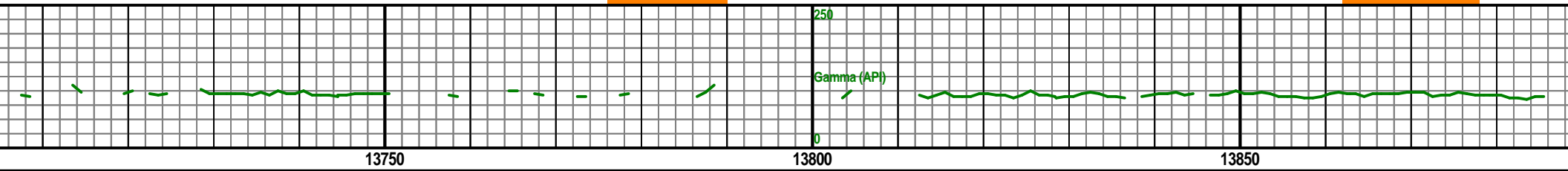
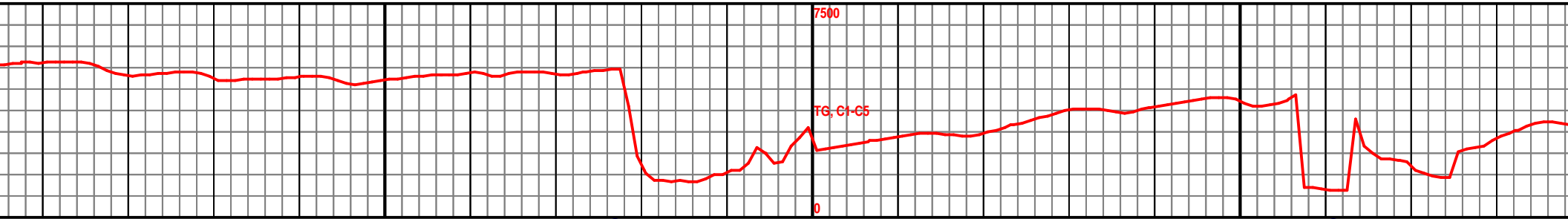
SS 98%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-
md cal, lt cement, carb in
SH 3%: dkgy, plty-sbp

7475

MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44



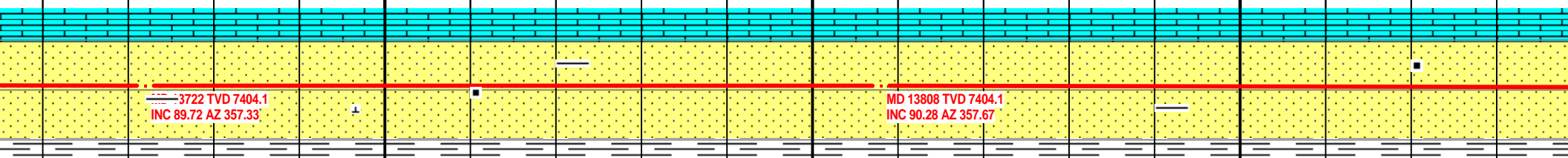
13750

13800

13850

4:00am 12/5/14 Depth @ 13778' MD

7375 TVD



7425

lr, mg-cr gr, rnd-si
cl, fri, nsf, slw str
ty, slty, grty, sf

SS 96.5%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 3%: dkgy, plty-sbplty, slty, grty, sft, sl cal.
<0.5% LS gy-wht, mod hd, micr.

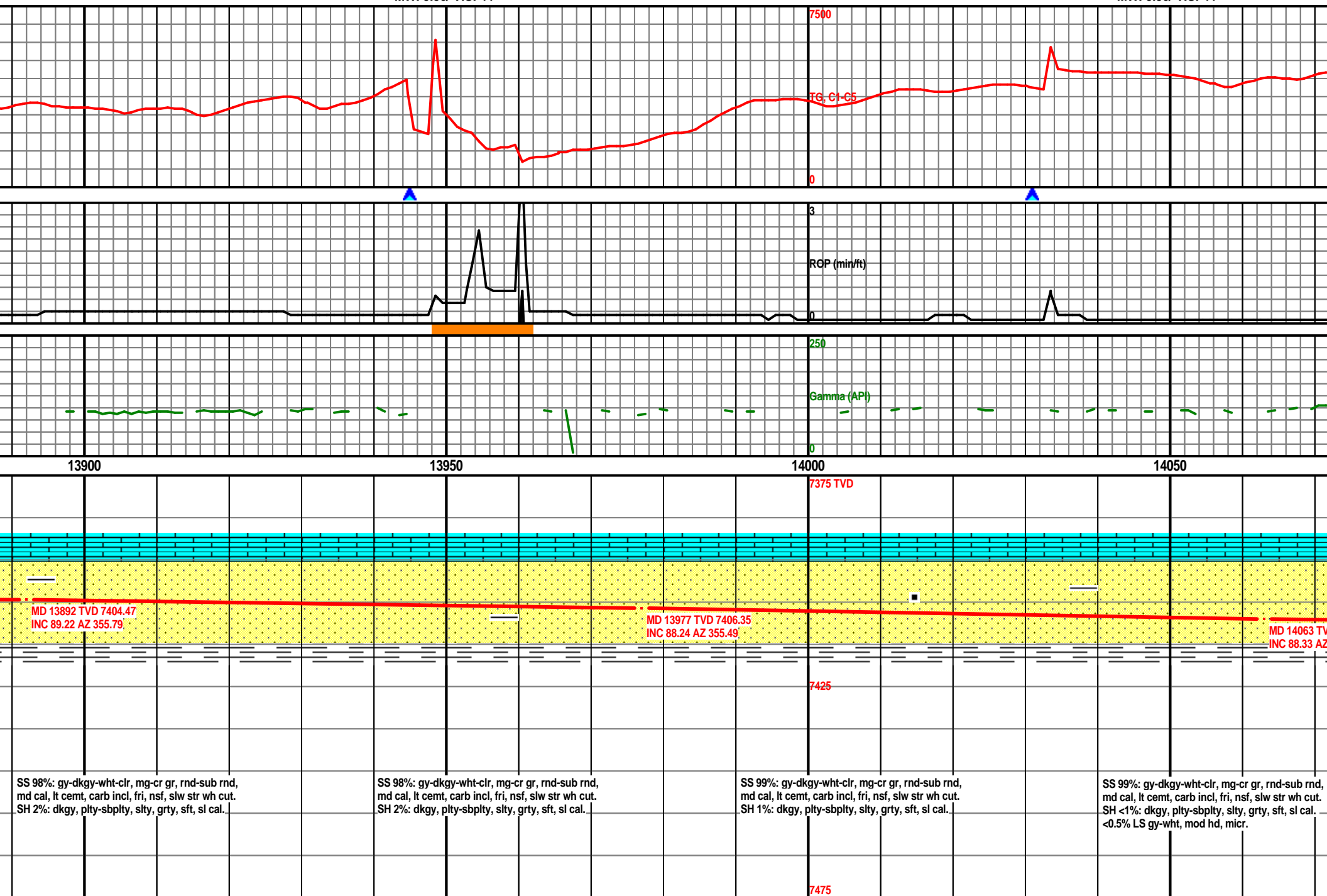
SS 97%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 3%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

7475

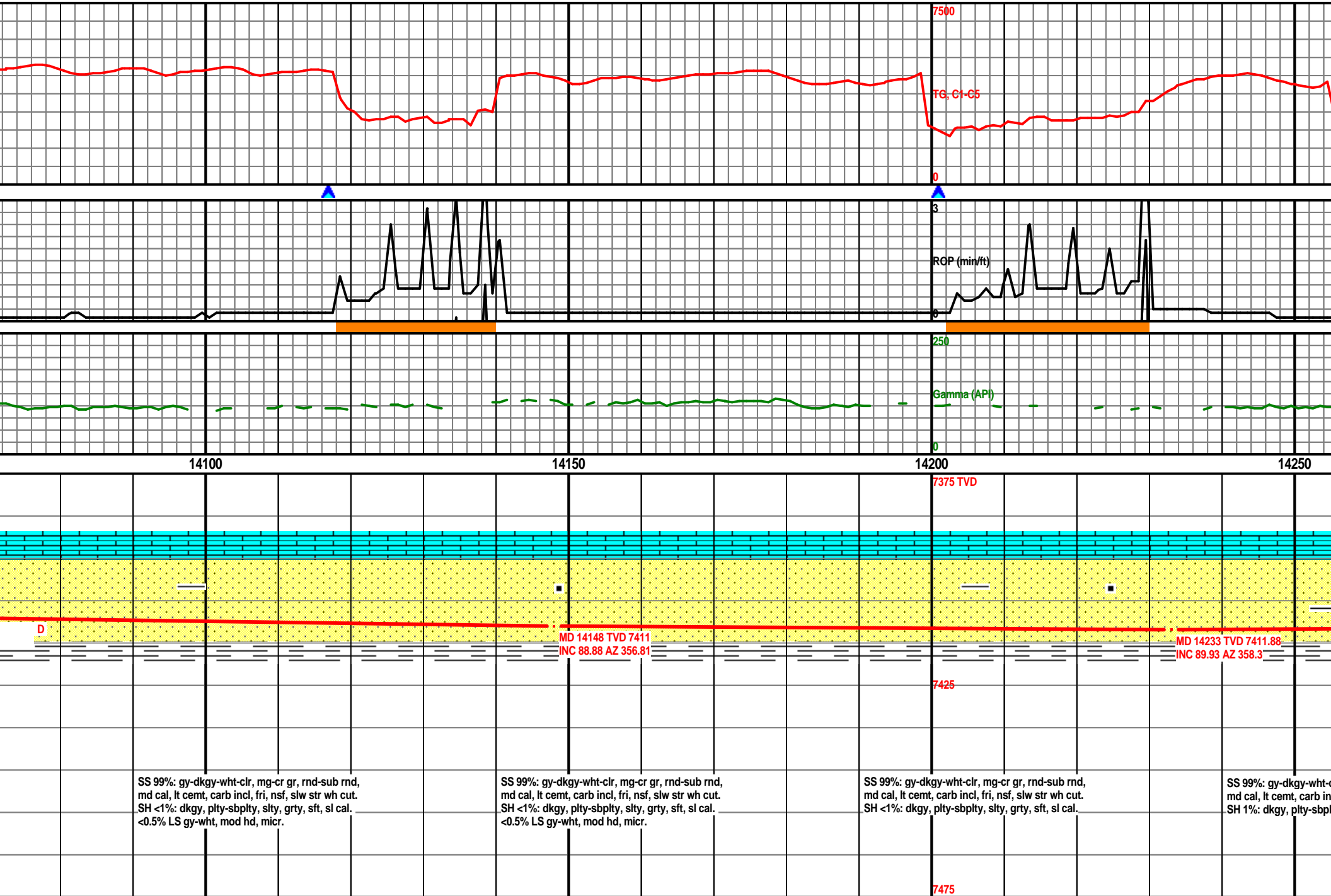
MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44

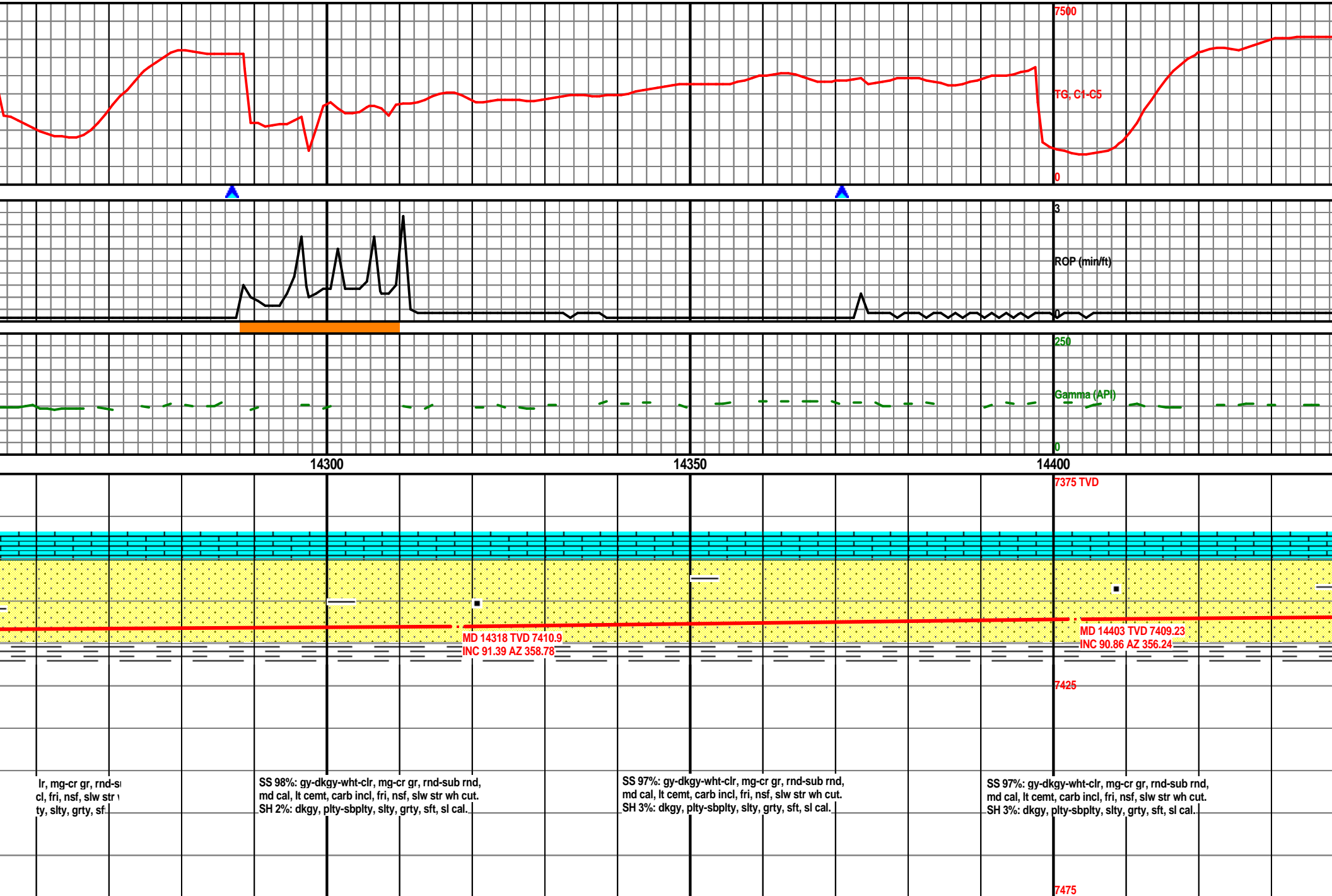


MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44

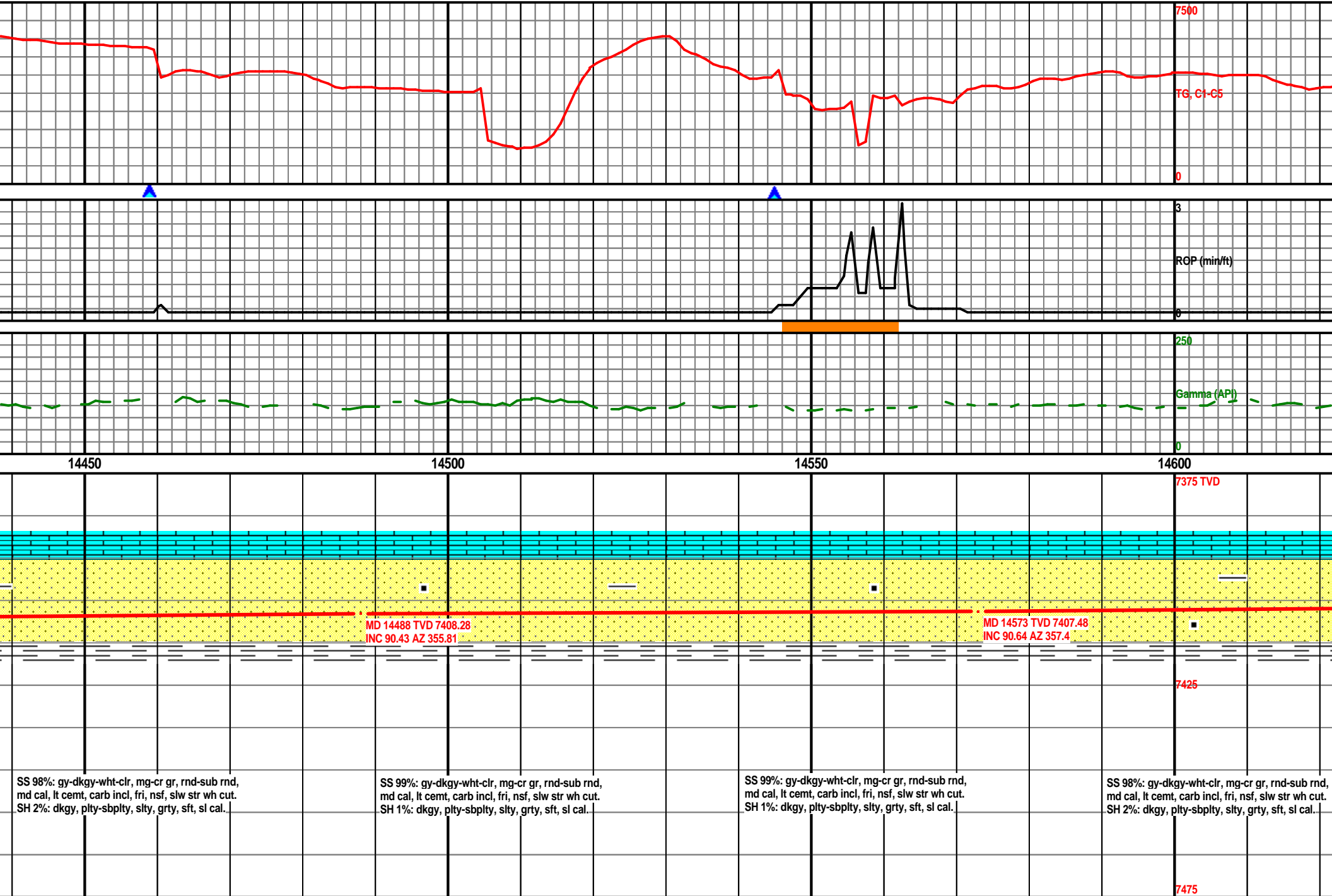


MW: 9.50/ VIS: 48



MW: 9.50/ VIS: 48

MW: 9.50/ VIS: 48



7500

TG, C1-C5

0

3

ROP (min/ft)

0

250

Gamma (API)

0

14450

14500

14550

14600

7375 TVD

MD 14488 TVD 7408.28
INC 90.43 AZ 355.81

MD 14573 TVD 7407.48
INC 90.64 AZ 357.4

7425

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

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

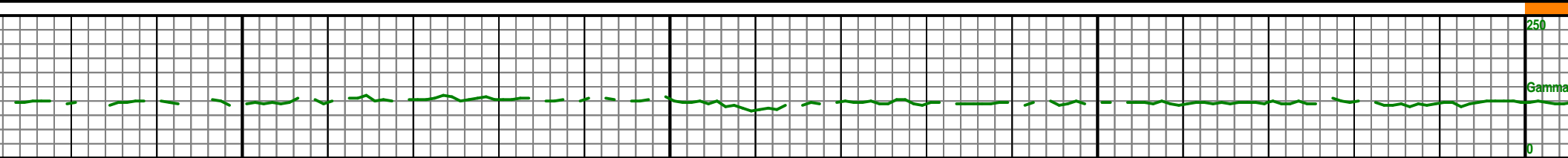
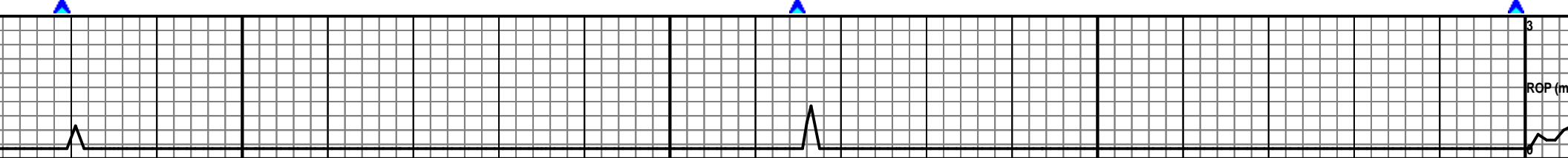
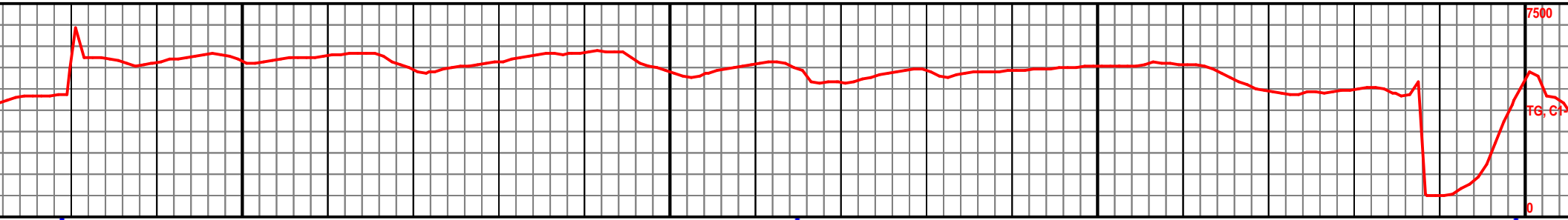
SS 99%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 1%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

7475

MW: 9.50/ VIS: 48

MW: 9.50/ VIS: 48

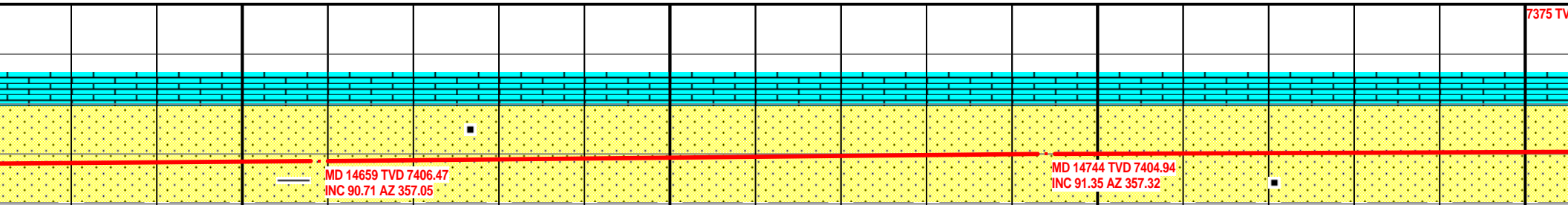


14650

14700

14750

14800



MD 14659 TVD 7406.47
INC 90.71 AZ 357.05

MD 14744 TVD 7404.94
INC 91.35 AZ 357.32

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

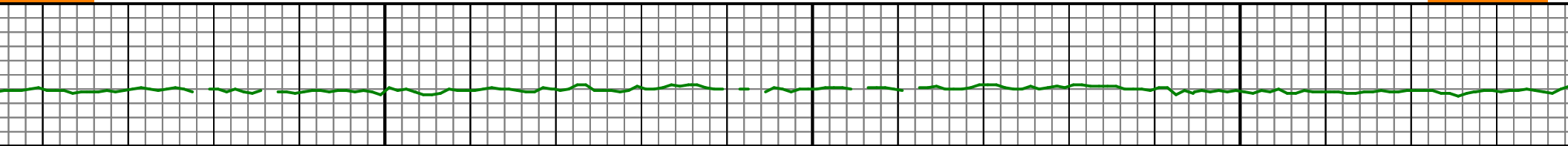
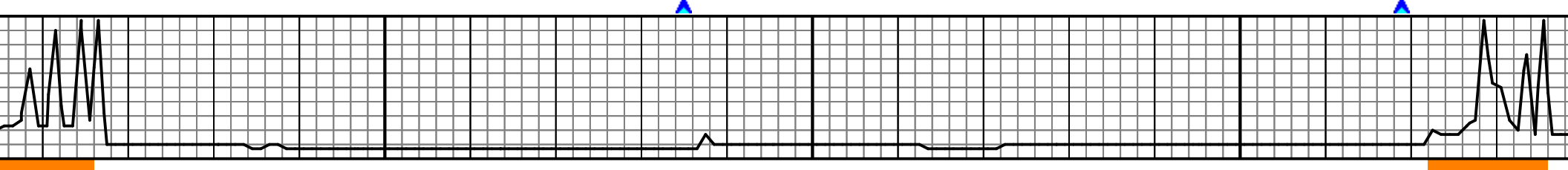
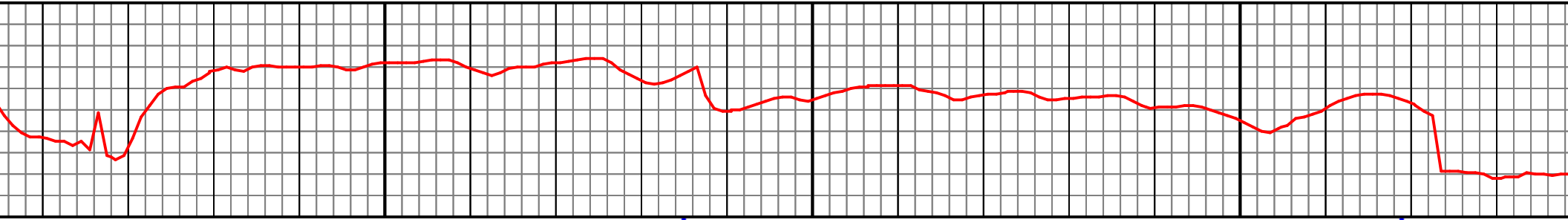
SS 98%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 1%: dkgy, plty-sbplty, slty, grty, sft, sl cal.
LS gy-wht, mod hd, mi

7475

MW: 9.50/ VIS: 46

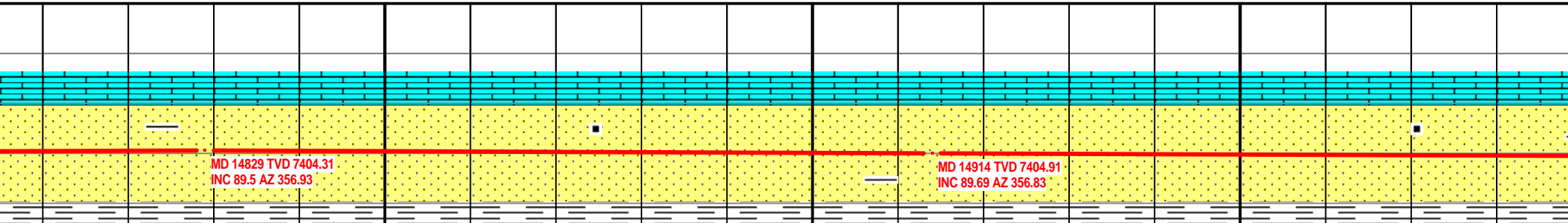
MW: 9.50/ VIS: 45



14850

14900

14950



lr, mg-cr gr, rnd-si
cl, fri, nsf, slw str
ty, slty, grty, sft, sl

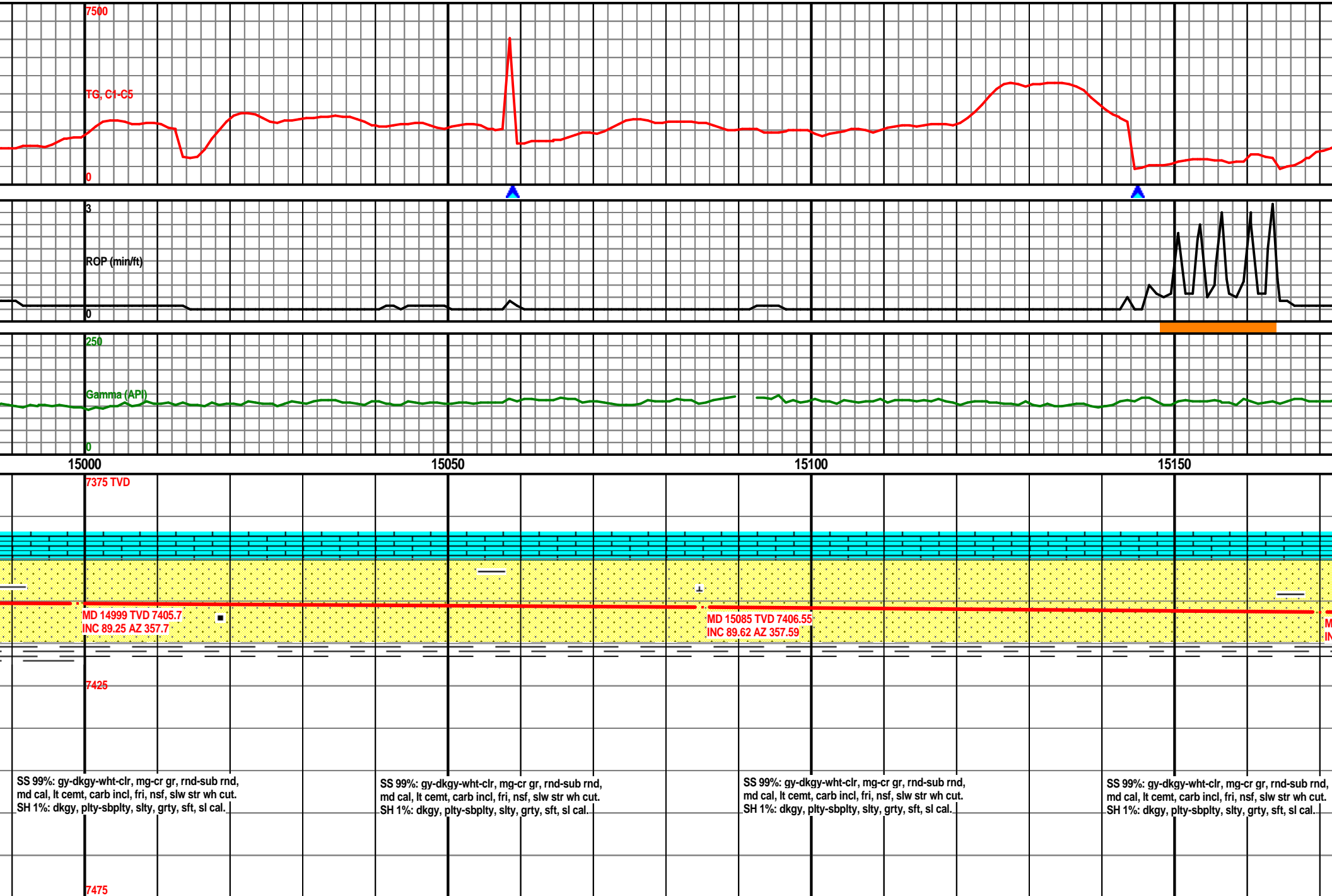
SS 99%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 1%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

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

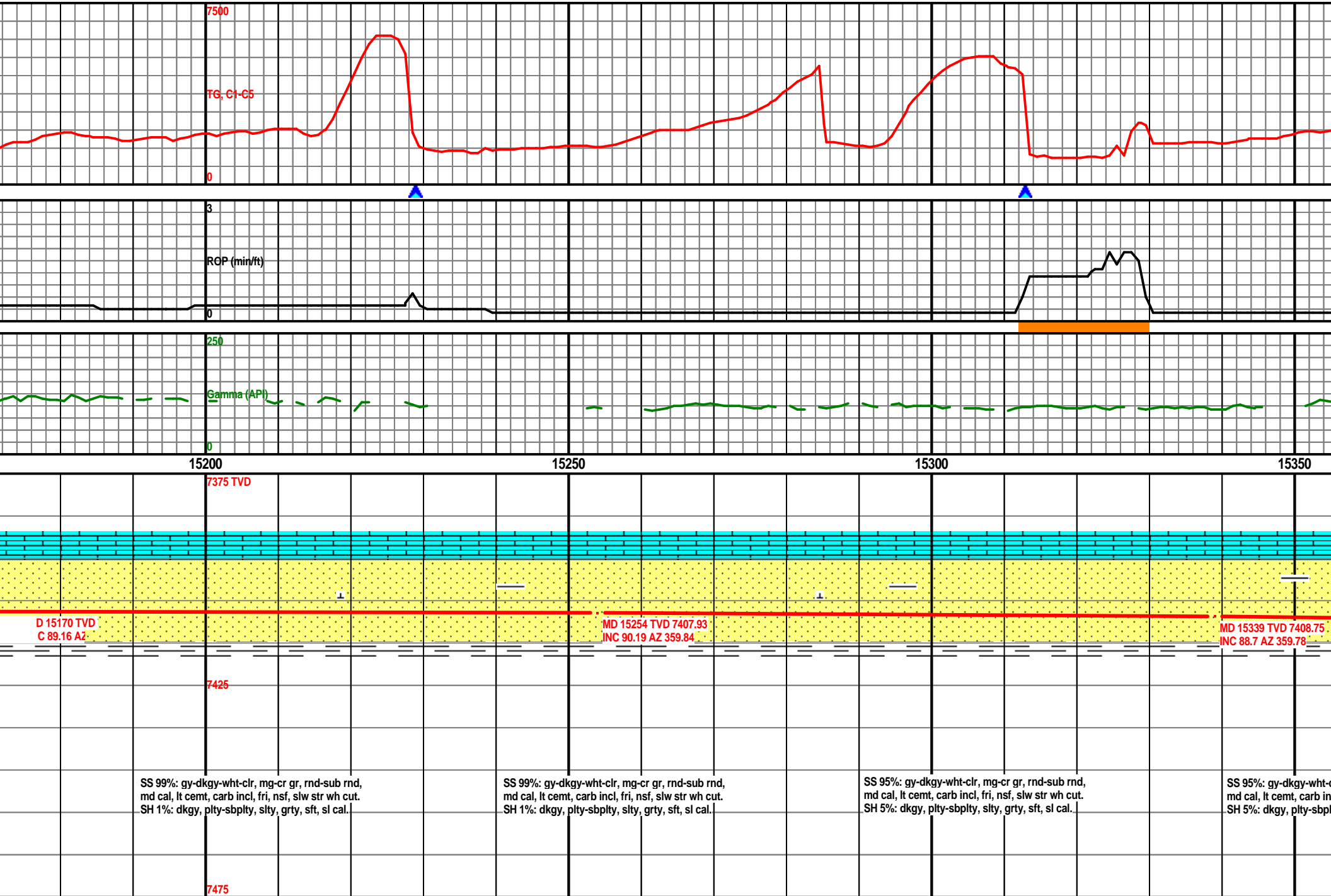
MW: 9.40/ VIS: 45

MW: 9.40/ VIS: 45

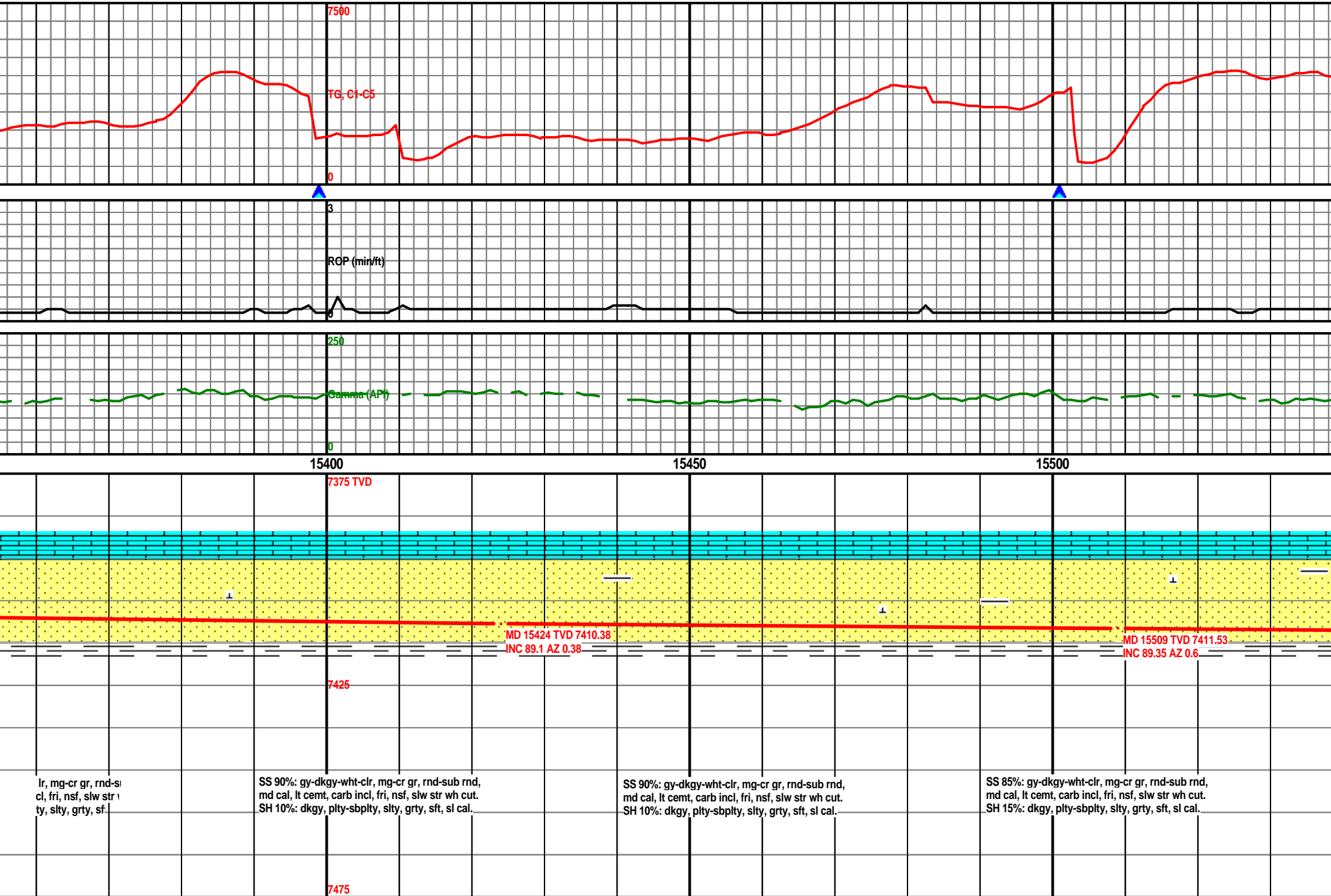


MW: 9.40/ VIS: 45

MW: 9.40/ VIS: 4

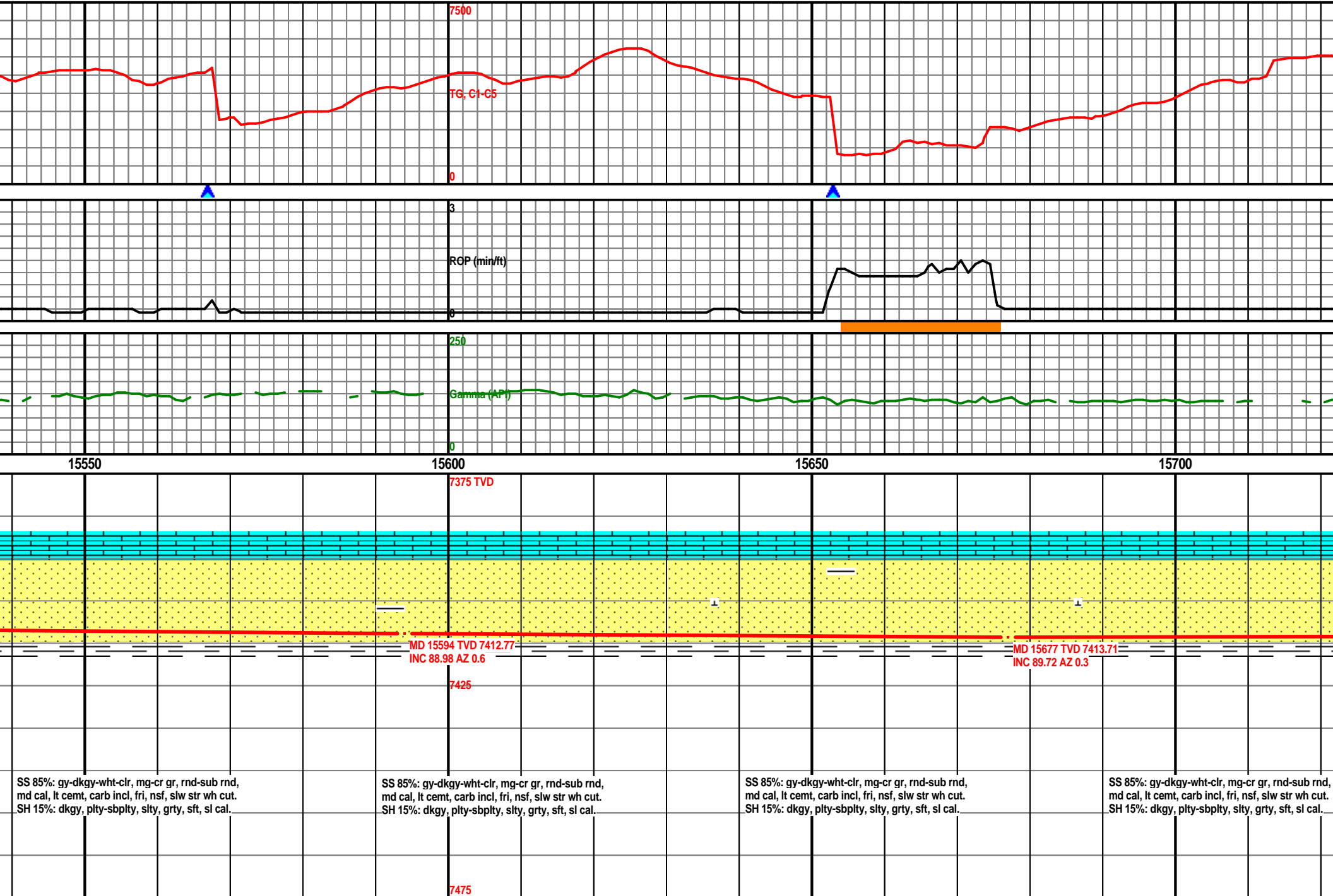


MW: 9.40/ VIS: 45



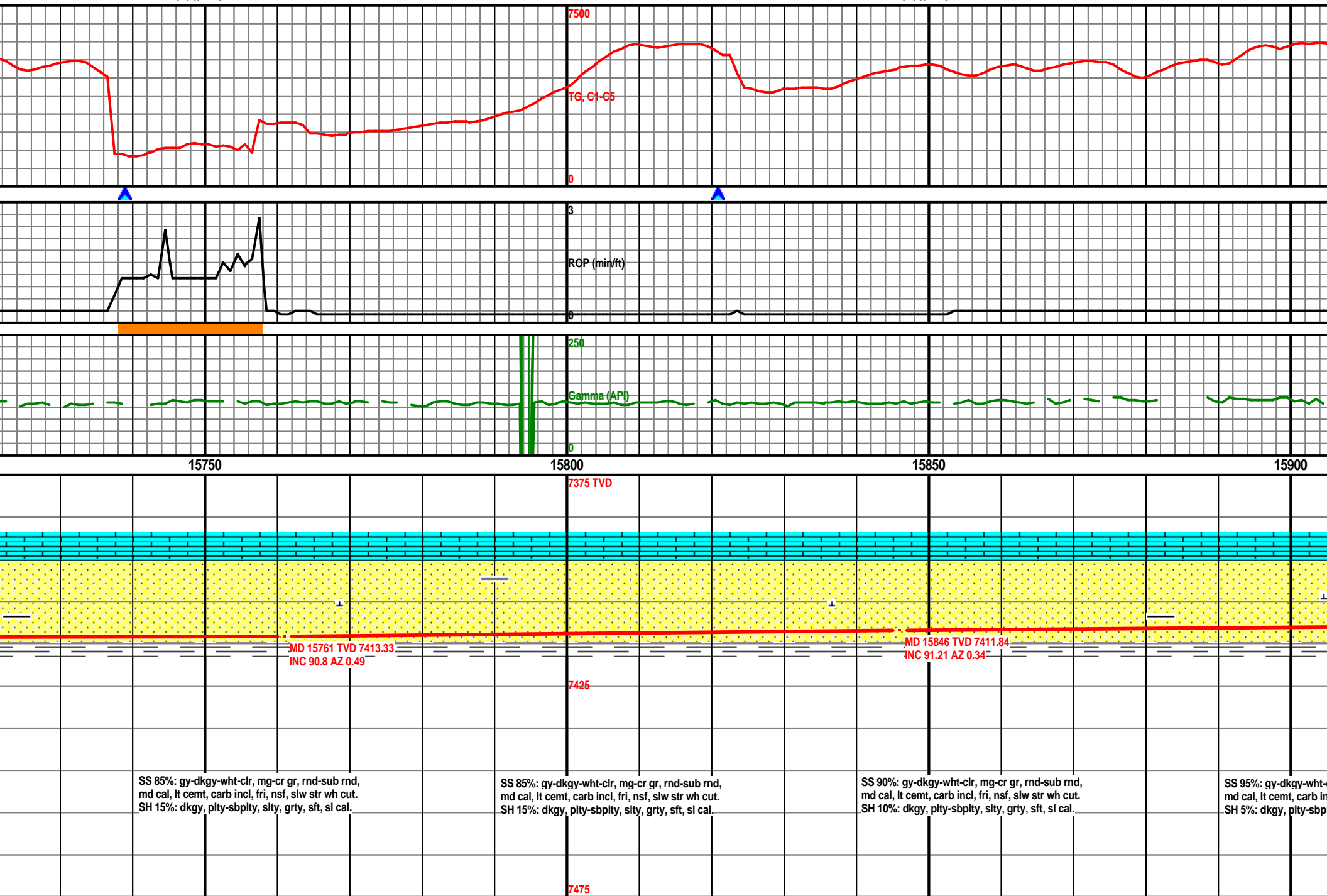
MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44



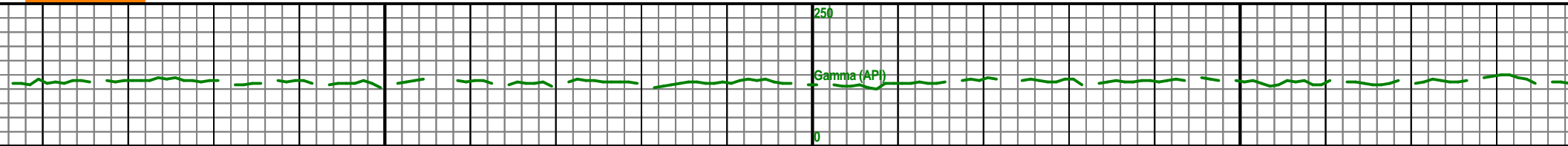
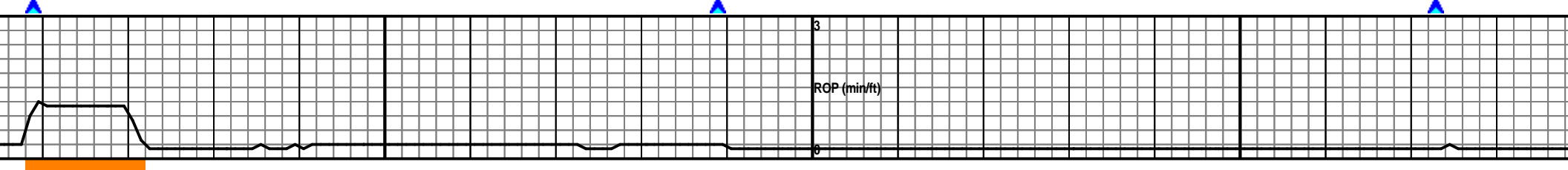
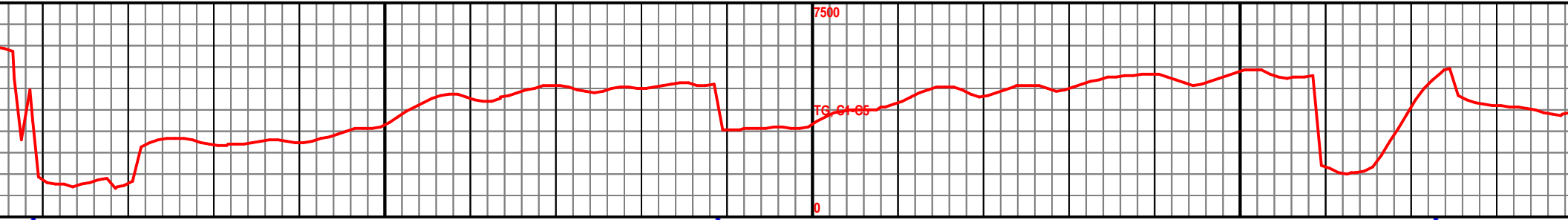
MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44



MW: 9.50/ VIS: 44

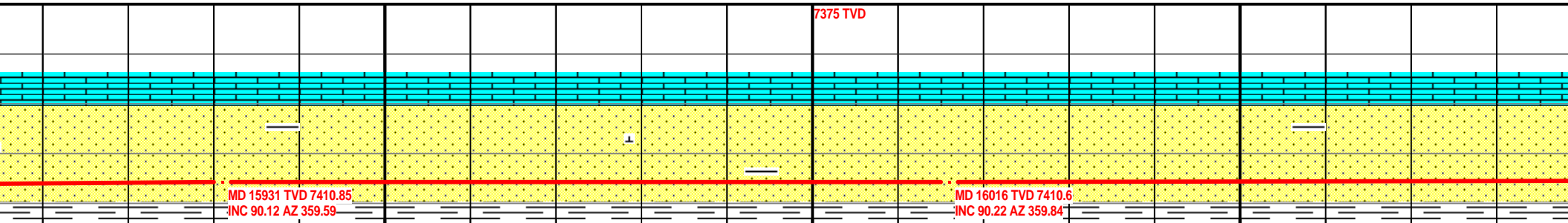
MW: 9.50/ VIS: 44



15950

16000

16050



7375 TVD

7425

7475

lr, mg-cr gr, rnd-si
cl, fri, nsf, slw str
ty, slty, grty, sf

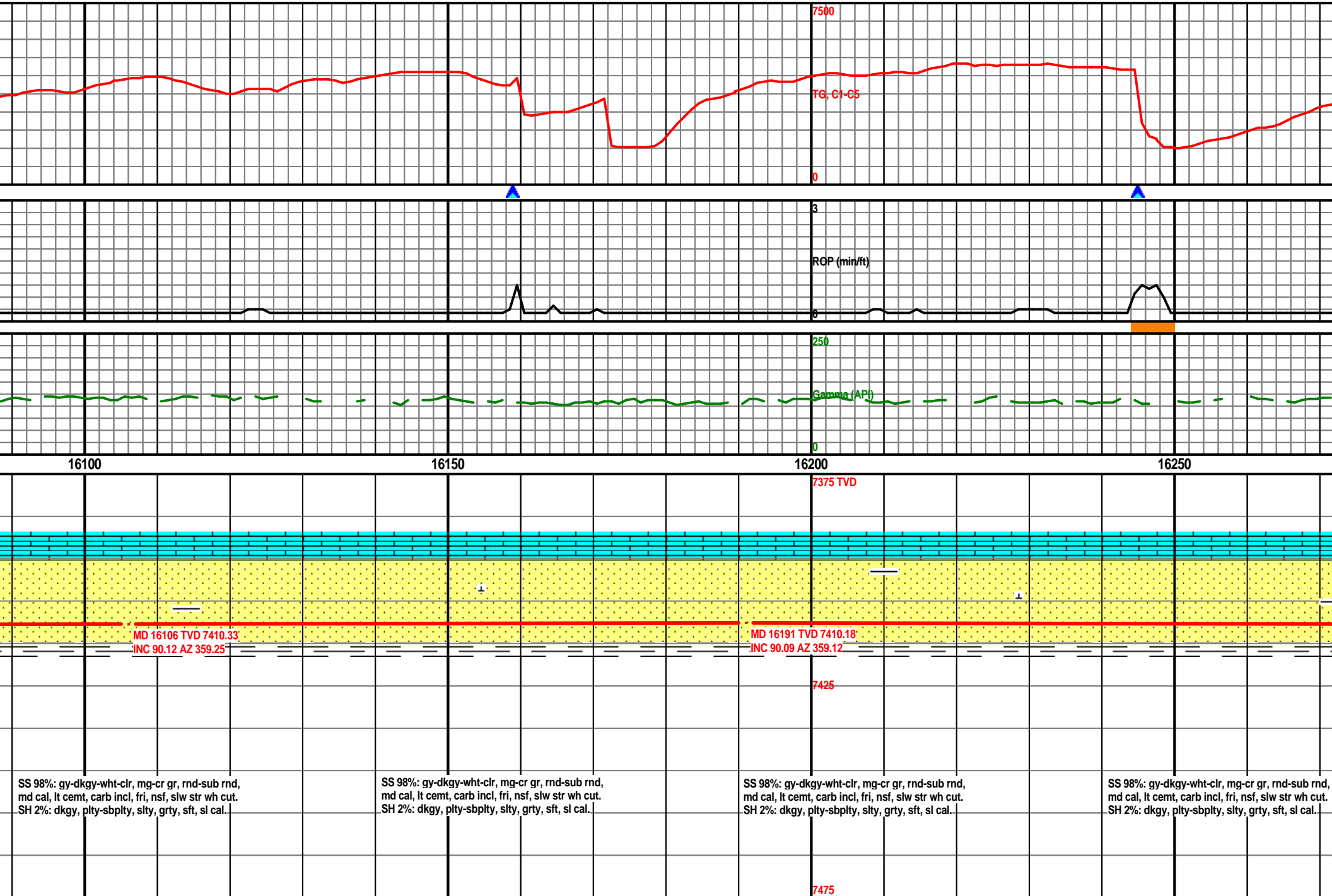
SS 95%: gy-dkgy-wht-clr, mg-cr gr, rnd-sub rnd,
md cal, lt cement, carb incl, fri, nsf, slw str wh cut.
SH 5%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

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

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

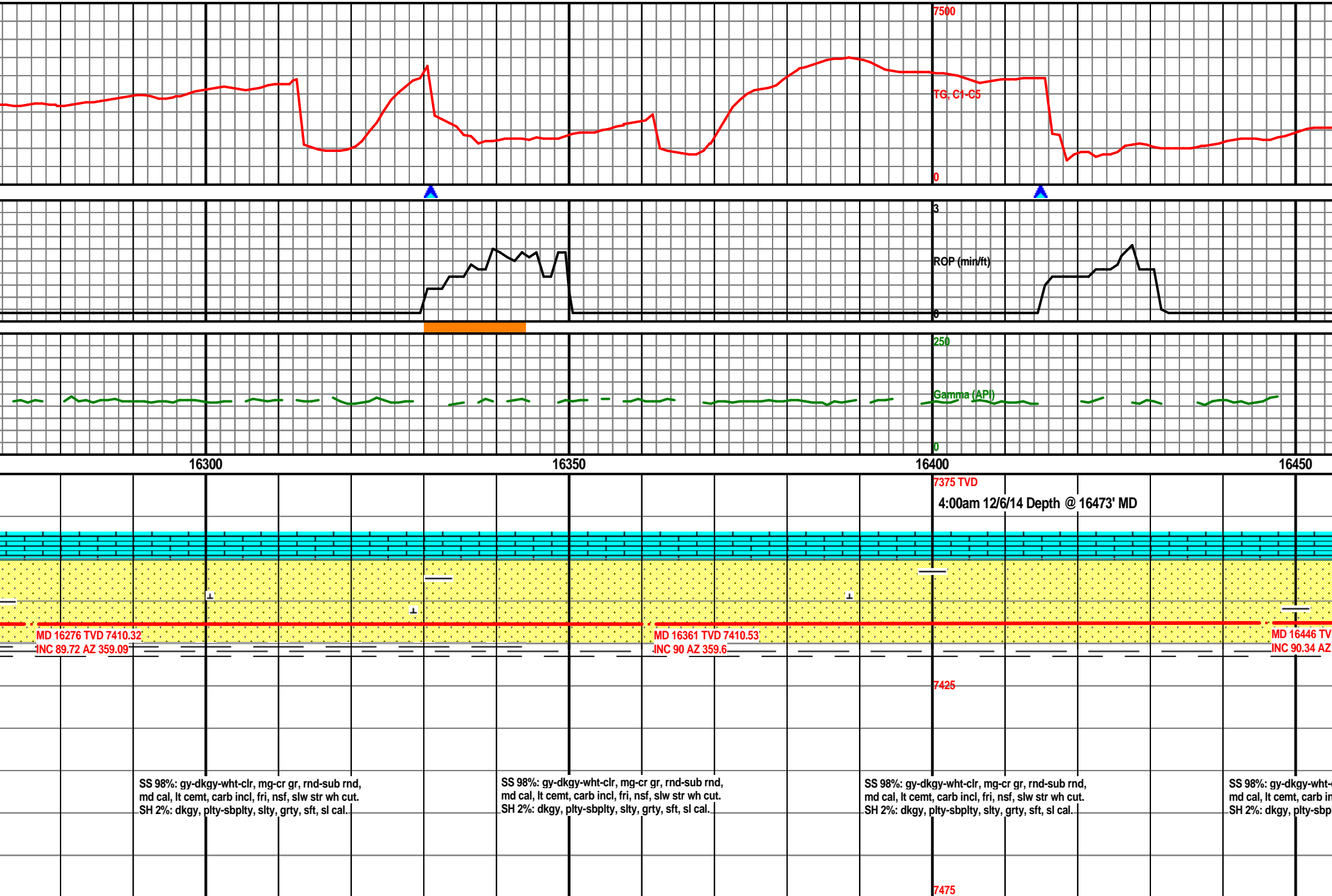
MW: 9.50/ VIS: 44

MW: 9.50/ VIS: 44

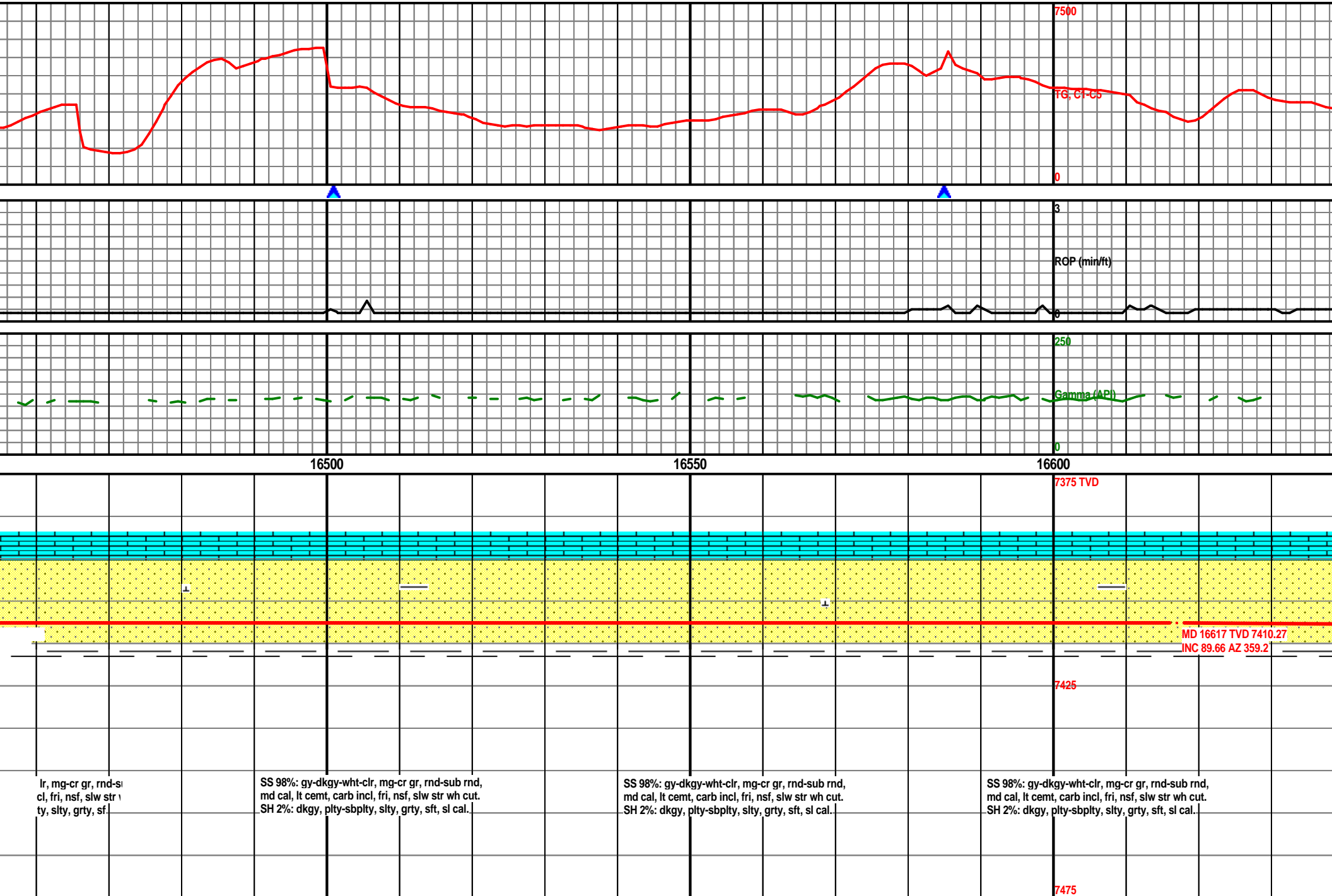


MW: 9.50/ VIS: 44

MW: 9.55/ VIS: 4



MW: 9.55/ VIS: 44



MW: 9.55/ VIS: 44

TD of 16718' MD Achieved @
5:47am 12/6/2014. T.O.O.H. for
casing.

Released by Company Man
12/6/2014



16650

16700

167

MD 16666 TVD 7410.83
INC 89.03 AZ 359.66

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

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