



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

Well Name: Pettinger 3N-18HZ
Location: Weld County, CO.
License Number: 05123380230000
Spud Date: 2/26/2014
Surface Coordinates: 283'FSL & 1062'FWL, SEC 18, T1N-R65W
Region: Weld County
Drilling Completed: 3/2/2014
Bottom Hole Coordinates: 1'FNL & 2250'FWL, SEC 18, T1N-R65W
Ground Elevation (ft): 5007' **K.B. Elevation (ft):** 5020'
Logged Interval (ft): 6805' **To:** 12363' **Total Depth (ft):** 12363'
Formation: Niobrara B
Type of Drilling Fluid: Water Based 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

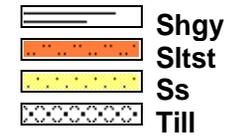
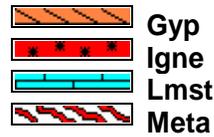
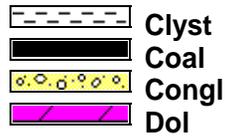
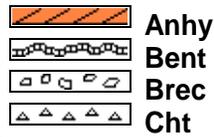
Name: Aaron Wiggins / Kyle Pickard
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

Cores

DSTs

Comments

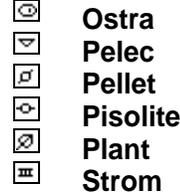
ROCK TYPES



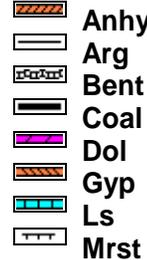
MINERAL



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

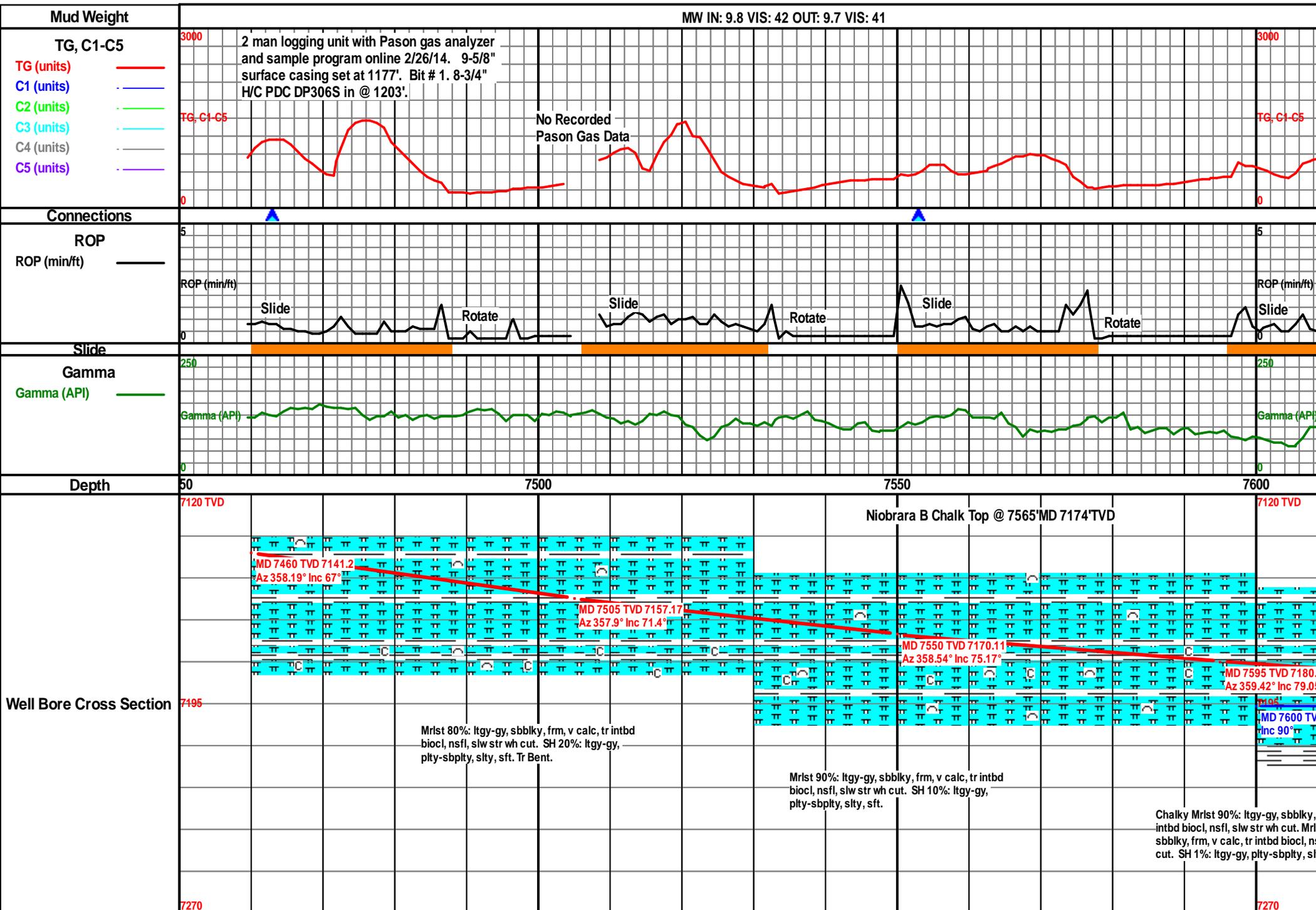
-  Spotted
-  Ques
-  Dead

INTERVAL

-  Core
-  Dst

EVENT

-  Rft
-  Connection

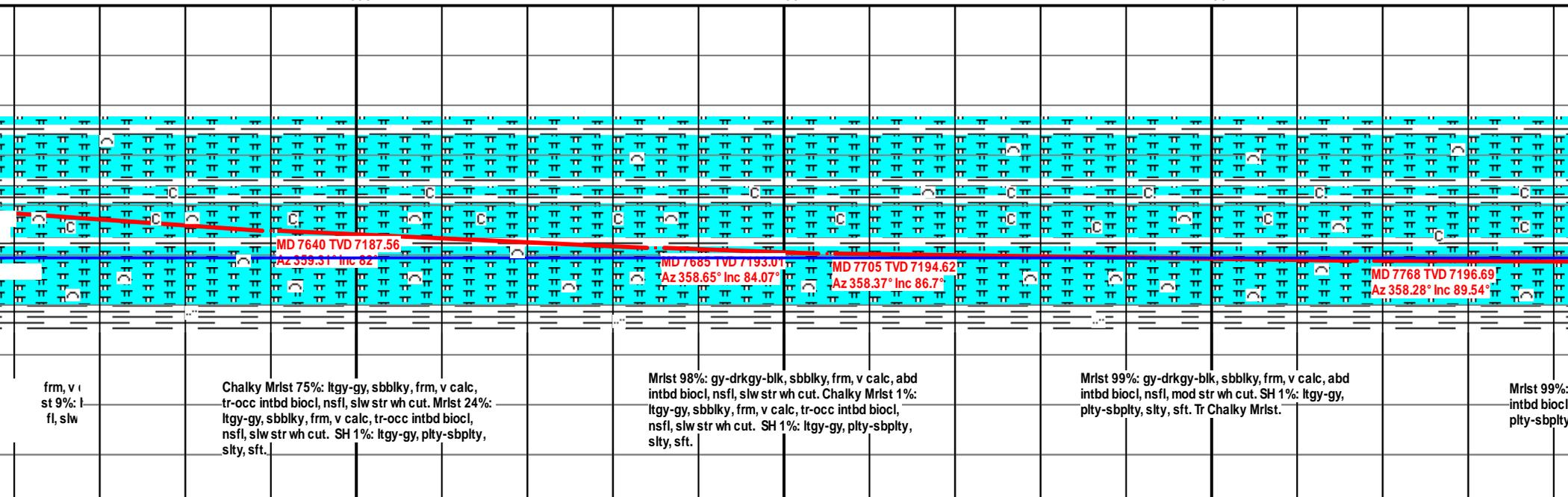
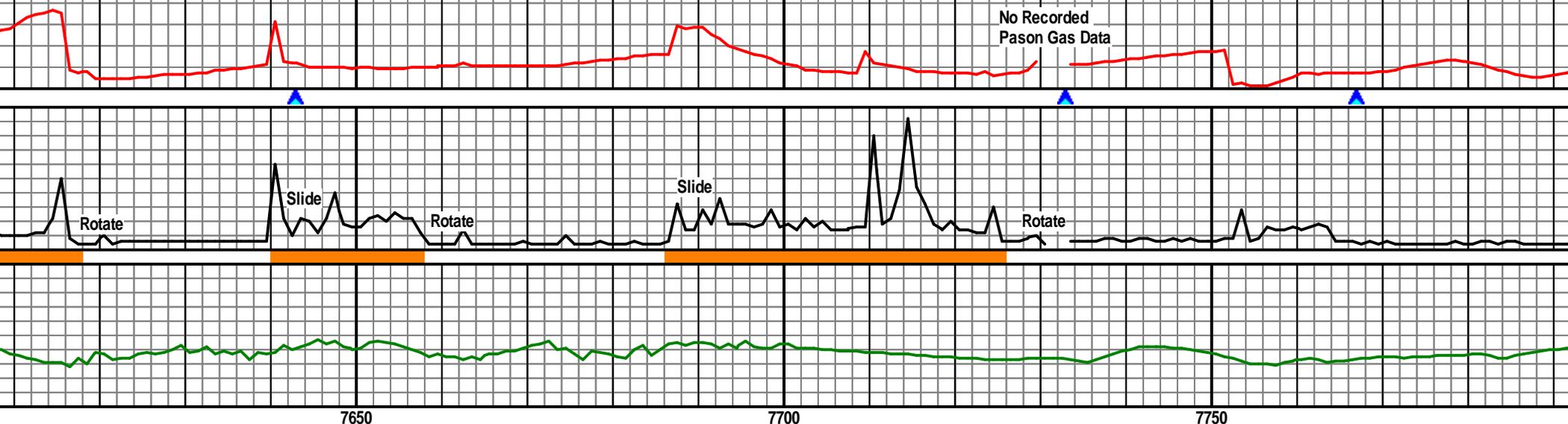


MW IN: 9.7 VIS: 43 OUT: 9.8 VIS: 41

MW IN: 9.8 VIS: 43 OUT: 9.8 VIS: 43

2/26/14 @ 8:10pm TD Curve for intermediate casing-7753' MD
2/28/14 @ 5:05pm B.O.B. 7" intermediate casing set at 7730'. Bit # 2. 6-1/8" Ulterra U513S in @ 7753'.

No Recorded Pason Gas Data



MD 7640 TVD 7187.56

Az 359.31 Inc 82.07

MD 7685 TVD 7193.01

Az 358.65 Inc 84.07

MD 7705 TVD 7194.62

Az 358.37 Inc 86.7

MD 7768 TVD 7196.69

Az 358.28 Inc 89.54

frm, v
st 9%: l
fl, slw

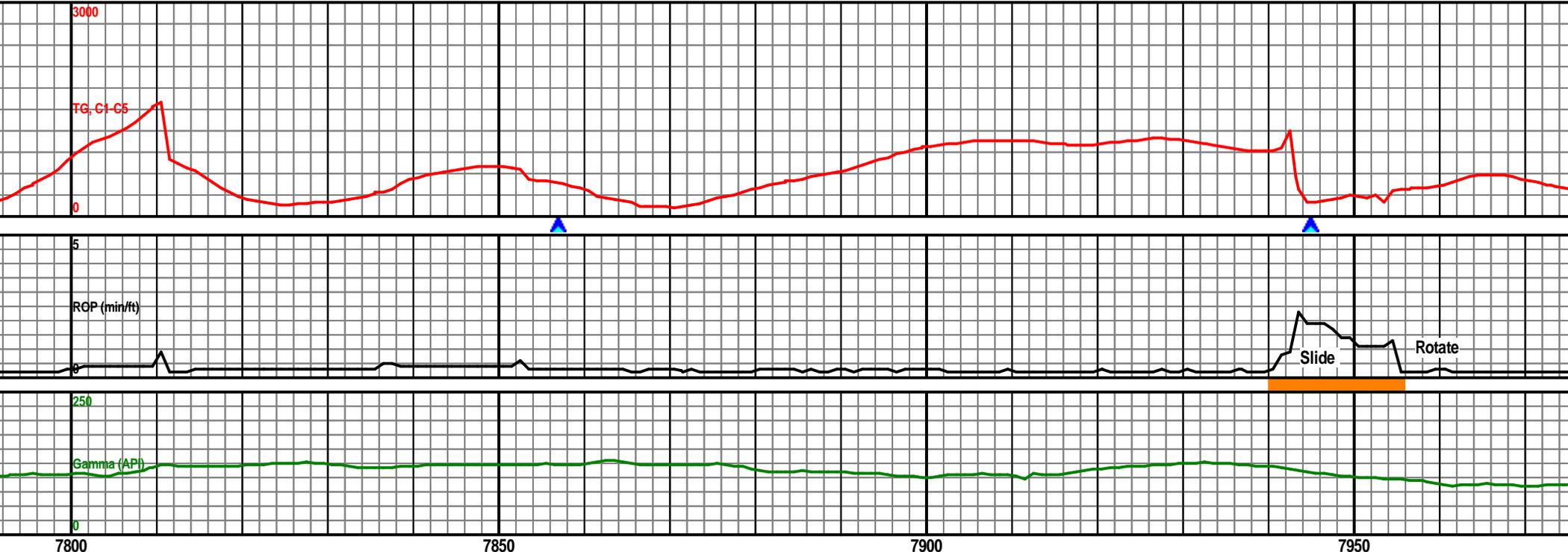
Chalky Mrst 75%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, slw str wh cut. Mrst 24%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, slw str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft.

Mrst 98%: gy-drkgy-blk, sbbiky, frm, v calc, abt intbd biocl, nsfl, slw str wh cut. Chalky Mrst 1%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, slw str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft.

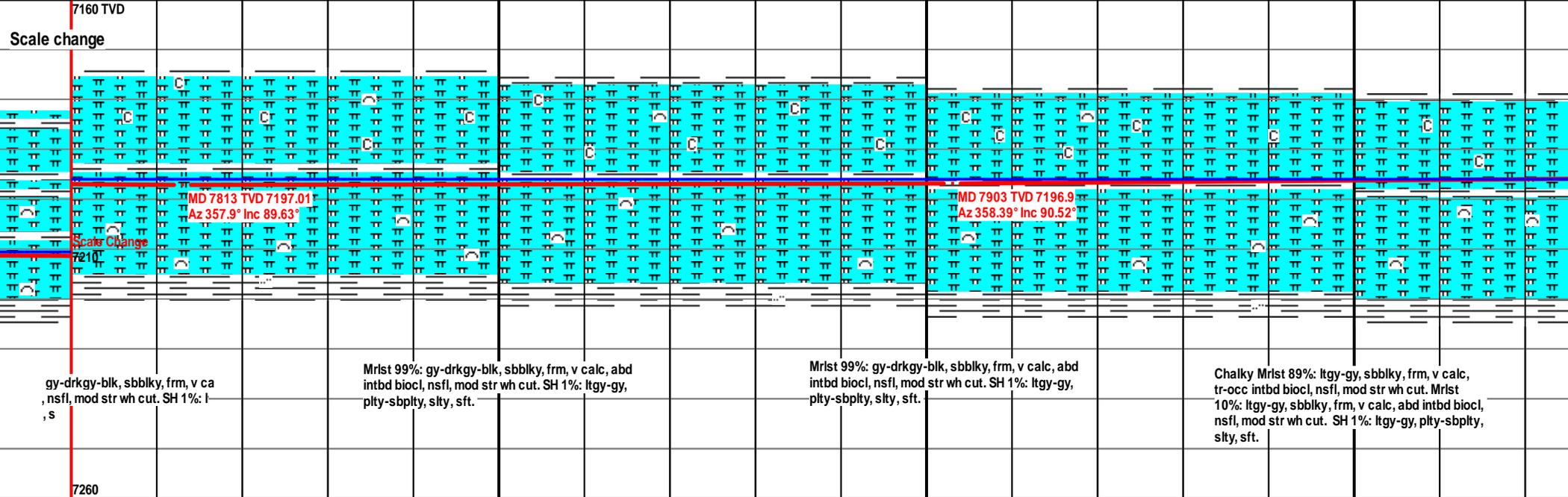
Mrst 99%: gy-drkgy-blk, sbbiky, frm, v calc, abt intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft. Tr Chalky Mrst.

Mrst 99%: intbd biocl, plty-sbply

MW IN: 9.7 VIS: 45 OUT: 9.5 VIS: 49



7800 7850 7900 7950



Scale change

MD 7813 TVD 7197.01
Az 357.9° Inc 89.63°

MD 7903 TVD 7196.9
Az 358.39° Inc 90.52°

gy-drkgy-blk, sbbkly, frm, v calc, nsfl, mod str wh cut. SH 1%: l

Mrlst 99%: gy-drkgy-blk, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft.

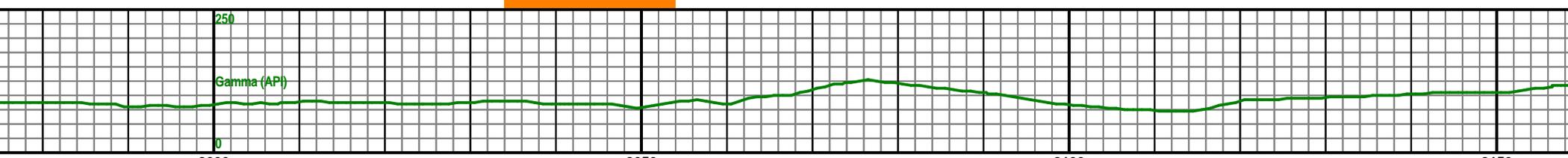
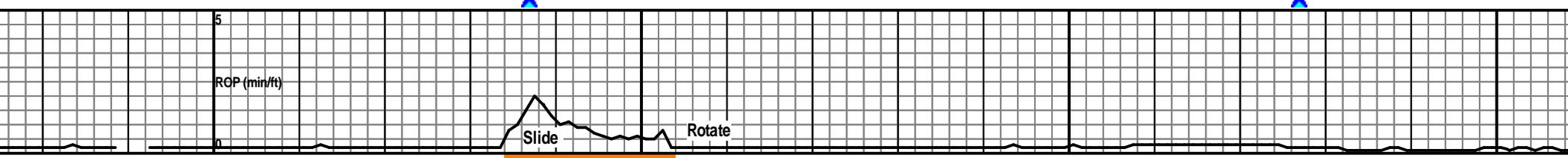
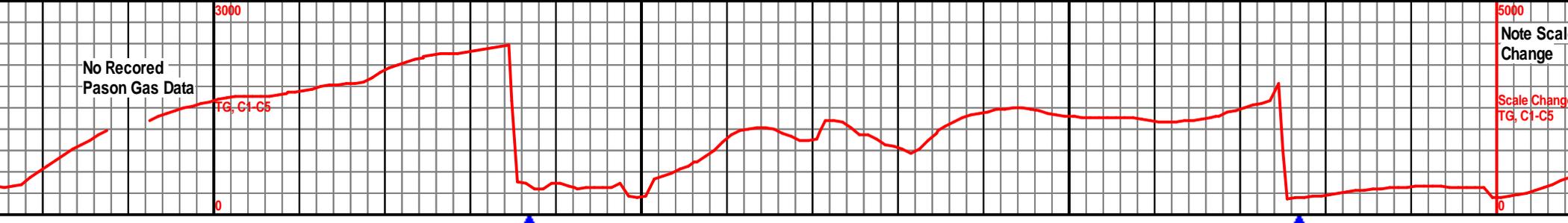
Mrlst 99%: gy-drkgy-blk, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft.

Chalky Mrlst 89%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrlst 10%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbply, slty, sft.

7260

MW IN: 9.7 VIS: 45 OUT: 9.5 VIS: 49

MW IN: 9.7



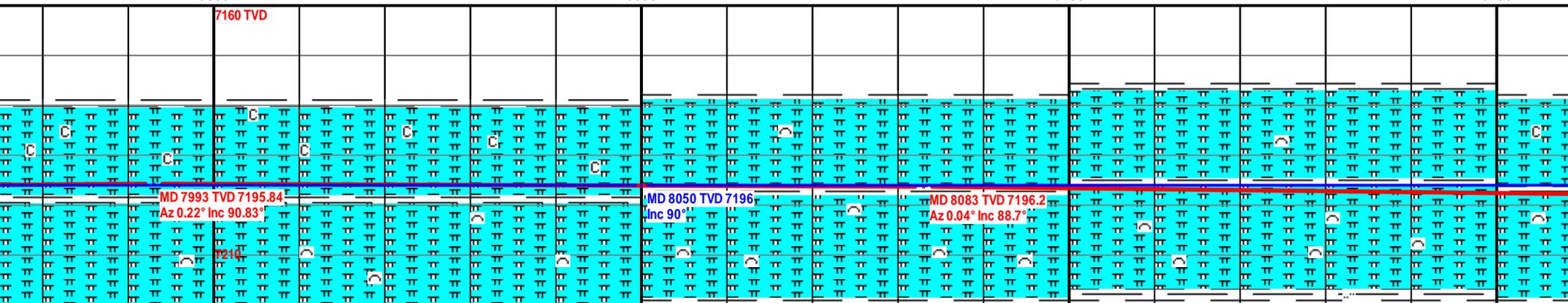
8000

8050

8100

8150

7160 TVD



Chalky Mrist 89%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrist 10%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbplty, slty, sft.

Chalky Mrist 74%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrist 25%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbplty, slty, sft.

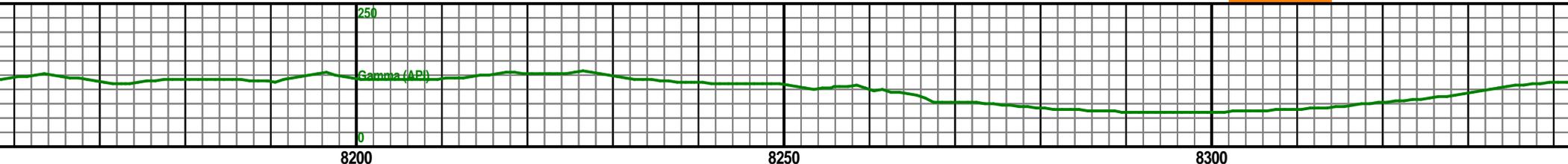
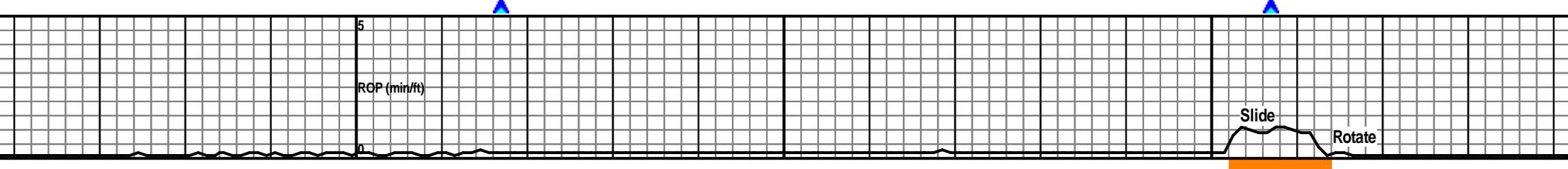
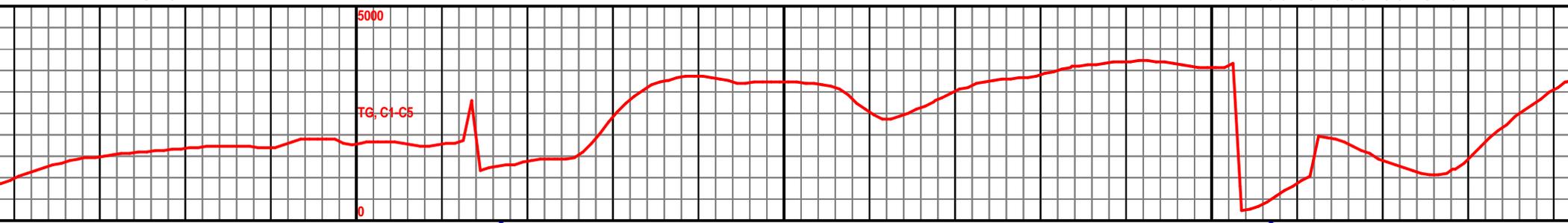
Chalky Mrist 74%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrist 25%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbplty, slty, sft.

Mrist 75%: ltgy-gy, sbbkly, frm, v calc, biocl, nsfl, mod str wh cut. Chalky Mrist 10%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, plty-sbplty, slty, sft.

7260

VIS: 45

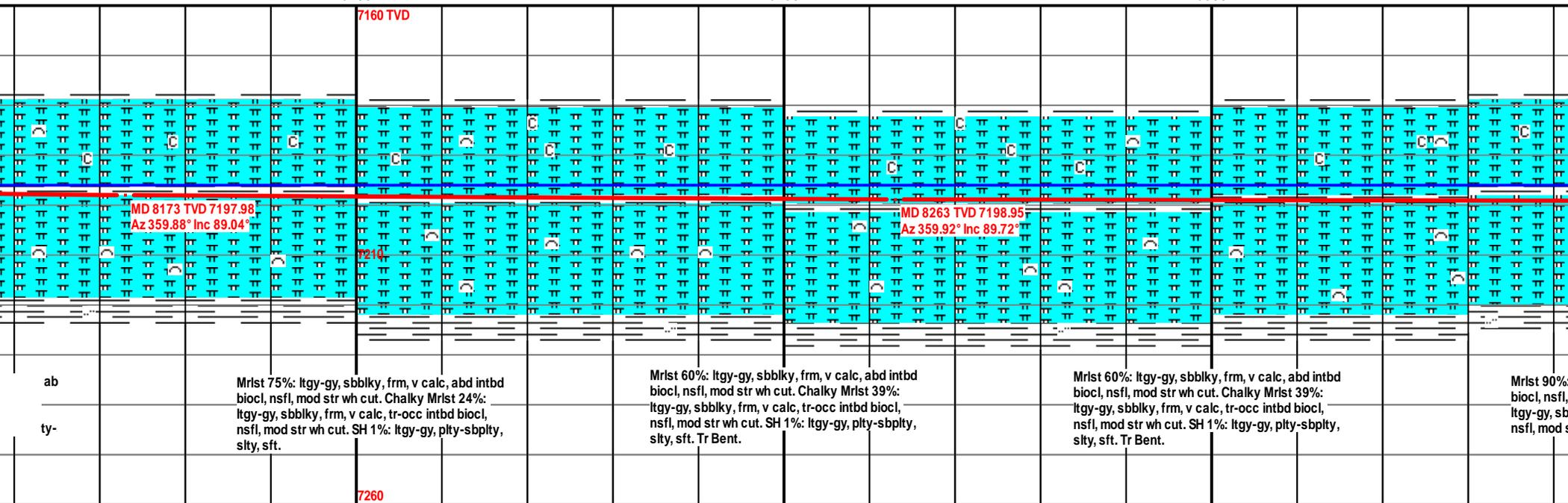
MW IN: 9.6 VIS: 46 OUT: 9.6 VIS: 45

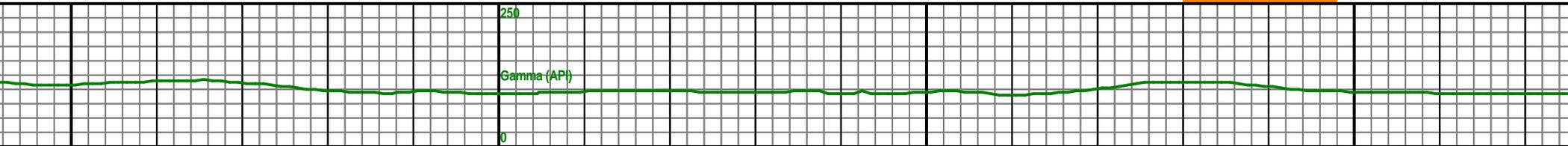
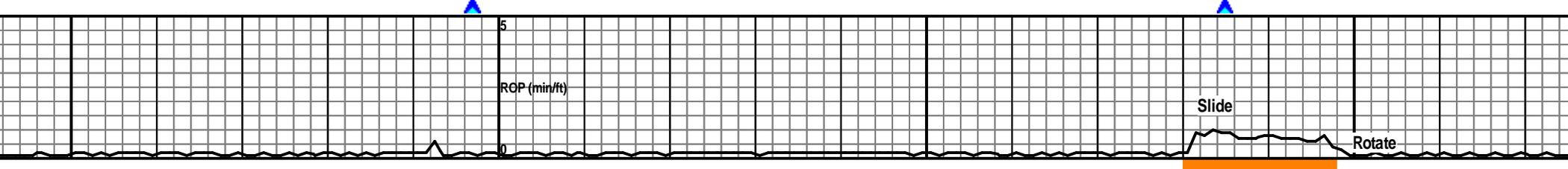
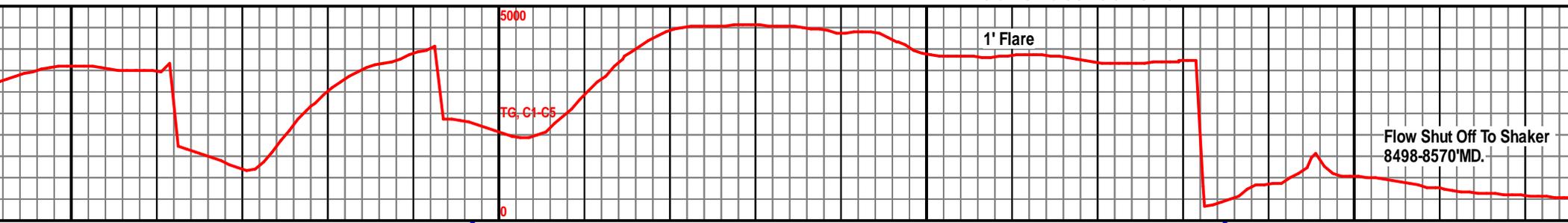


8200

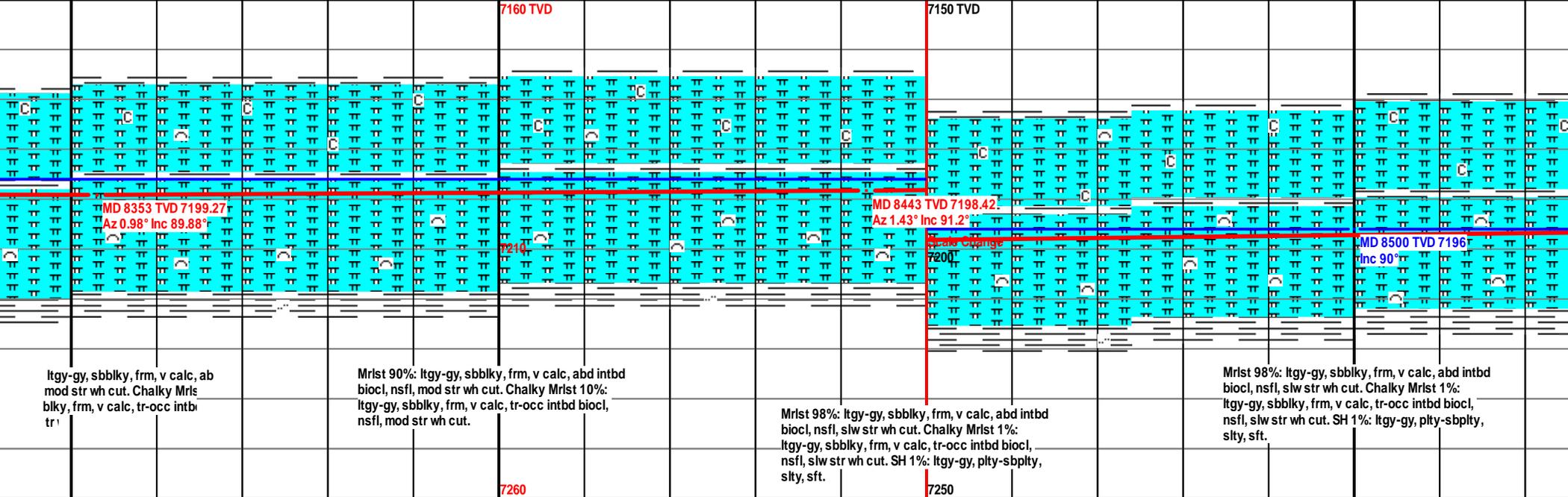
8250

8300





8350 8400 8450 8500



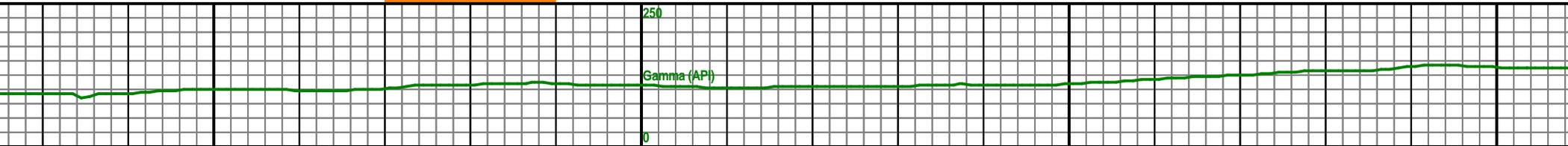
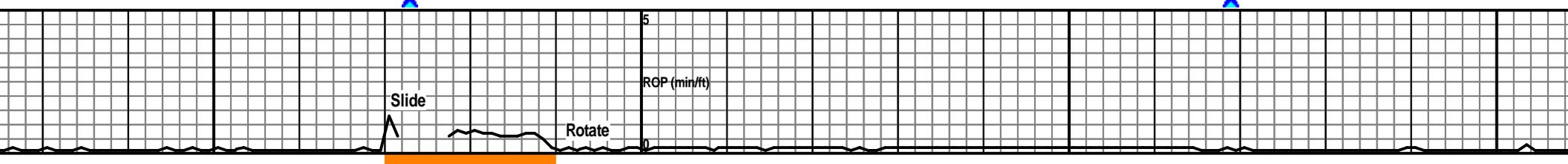
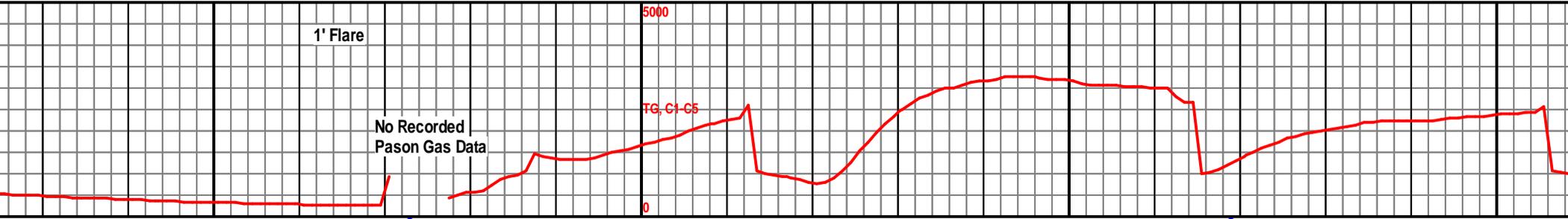
ltgy-gy, sbbiky, frm, v calc, ab mod str wh cut. Chalky Mrlst blky, frm, v calc, tr-occ intbr tr

Mrlst 90%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 10%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 98%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. Chalky Mrlst 1%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, slw str wh cut. SH 1%: ltgy-gy, pty-sbply, slty, sft.

Mrlst 98%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. Chalky Mrlst 1%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, slw str wh cut. SH 1%: ltgy-gy, pty-sbply, slty, sft.

MW IN: 9.6 VIS: 46 OUT: 9.6 VIS: 45

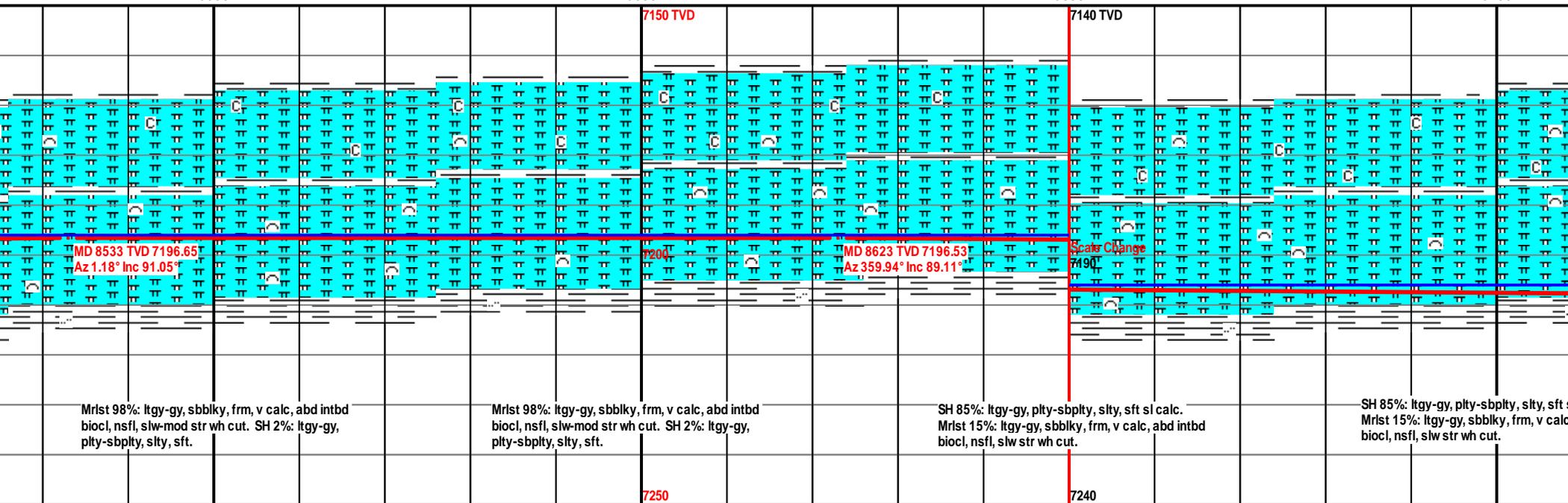


8550

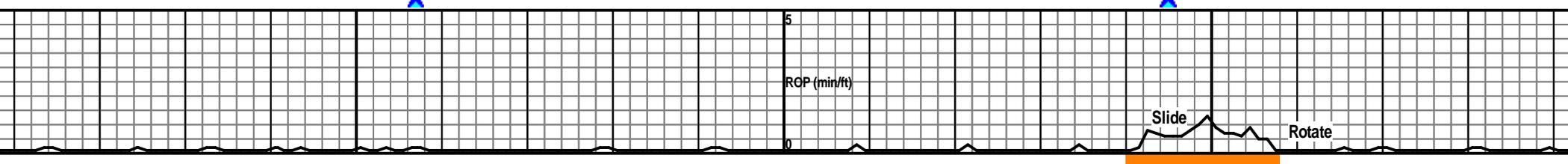
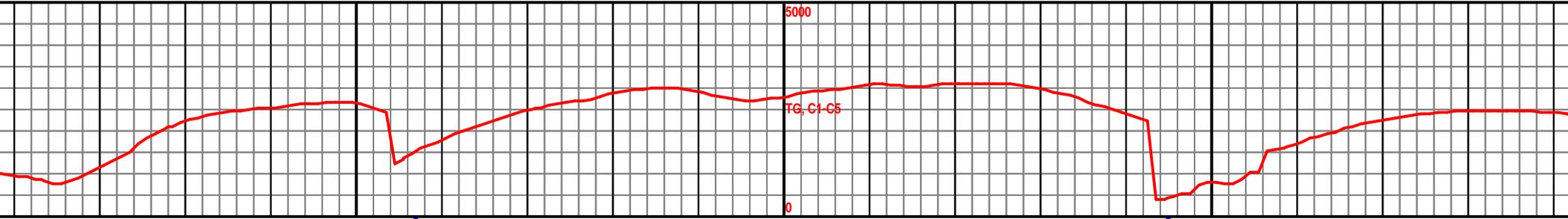
8600

8650

8700



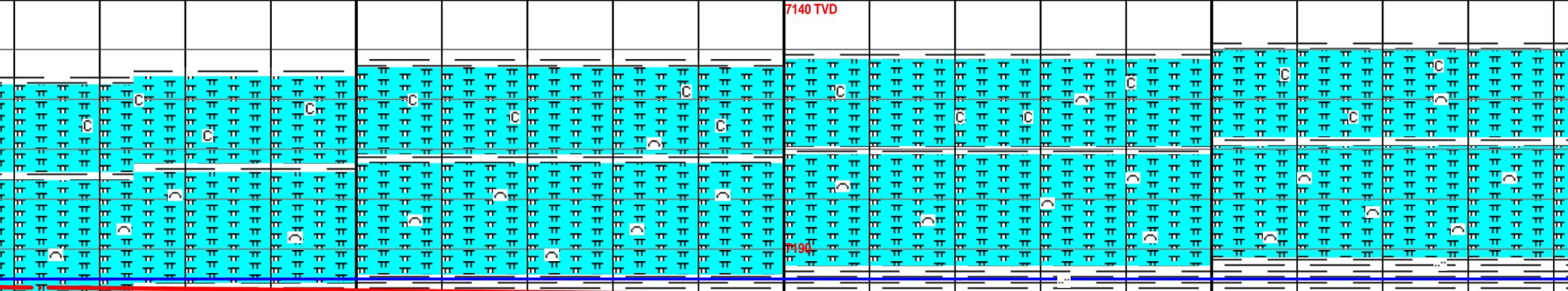
MW IN: 9.6 VIS: 46 OUT: 9.6 VIS: 43



8750

8800

8850



SH 97%: ltgy-gy, plty-sbply, slty, sft sl calc.
Mrist 2%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl.

SH 97%: ltgy-gy, plty-sbply, slty, sft sl calc.
Mrist 2%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl.

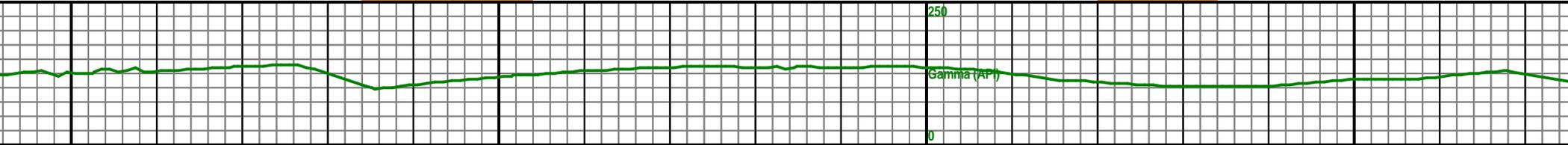
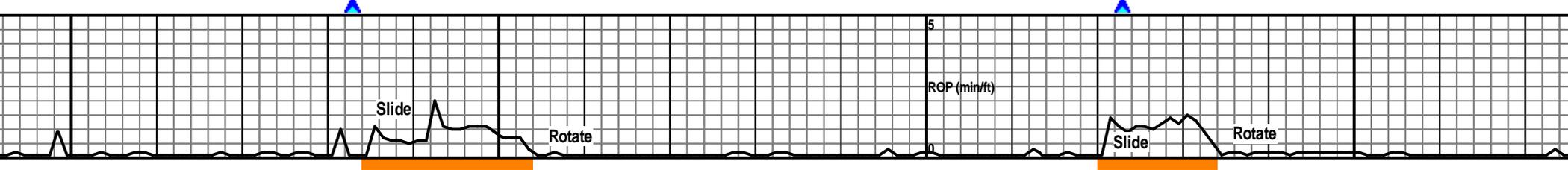
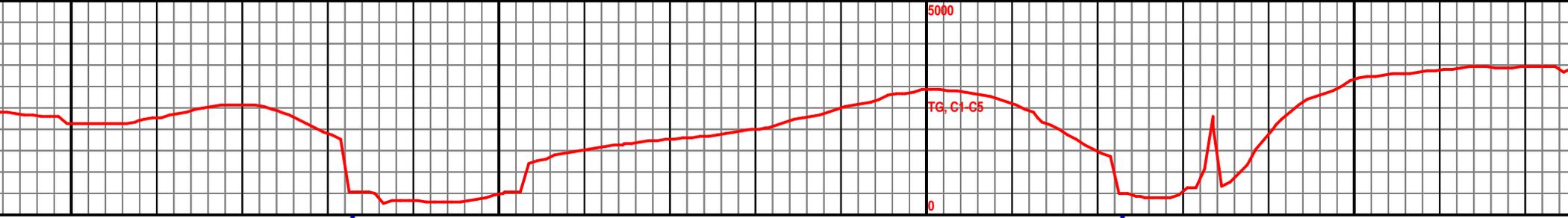
SH 94%: ltgy-gy, plty-sbply, slty, sft sl calc.
Mrist 5%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl.

SH 94%: ltgy-gy, plty-sbply, slty, sft sl calc.
Mrist 5%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl.

,ab

MW IN: 9.6 VIS: 45 OUT: 9.6 VIS: 46

MW IN: 9.5 VIS: 47 OUT: 9.5 VIS: 46

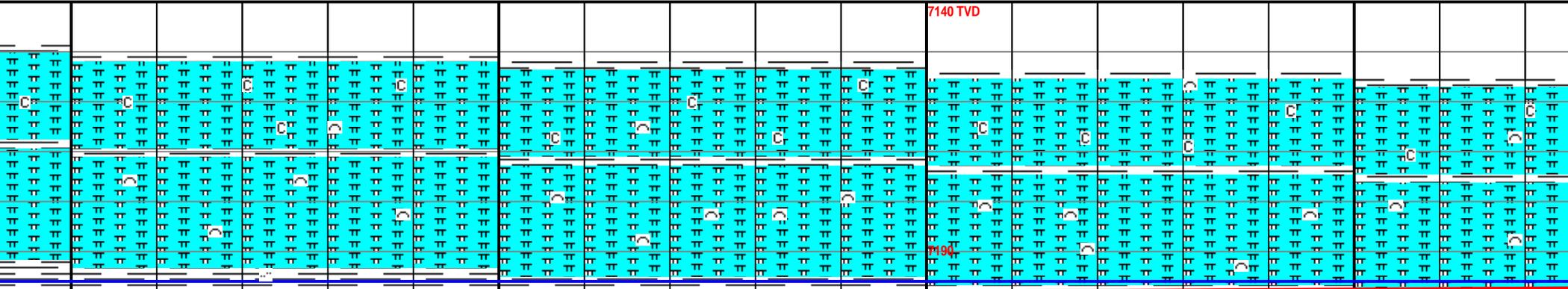


8900

8950

9000

9050



7140 TVD

7190

7240

MD 8893 TVD 7199.42
Az 358.66° Inc 90.65°

MD 8983 TVD 7198.18
Az 0.39° Inc 90.93°

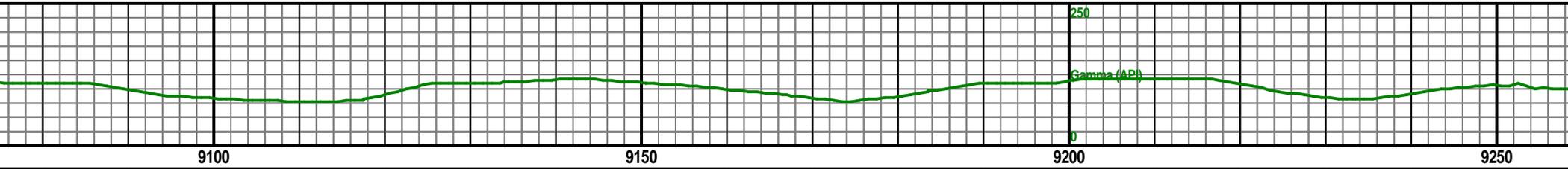
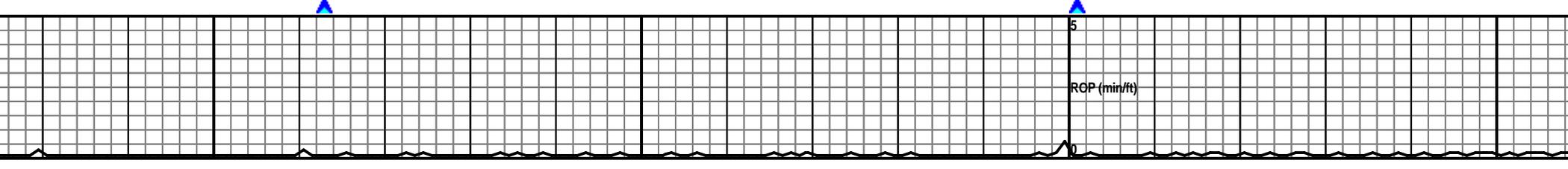
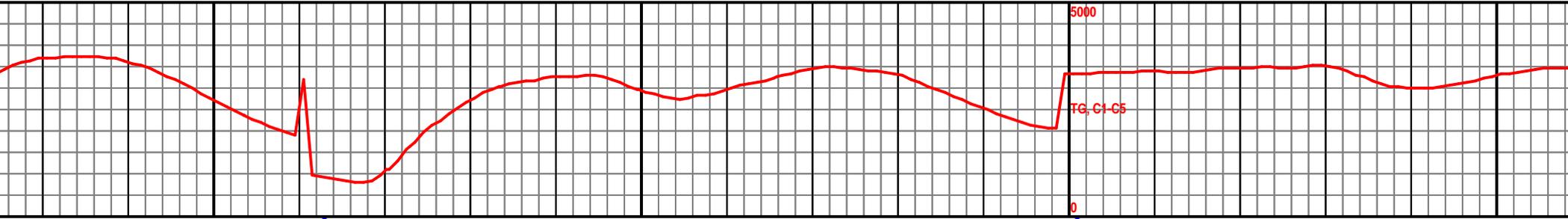
y-gy, pty-sbpty, slty, sft :
gy-gy, sbbky, frm, v calc, ab
slw str wh cut. Bent 1%: crm-b
cal,

SH 94%: Itgy-gy, pty-sbpty, slty, sft sl calc.
Mrlst 5%: Itgy-gy, sbbky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl. Tr py.

SH 94%: Itgy-gy, pty-sbpty, slty, sft sl calc.
Mrlst 5%: Itgy-gy, sbbky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. Bent 1%: crm-brn, vfg,
frm-hrd, sl cal, org fl. Tr py.

Mrlst 75%: Itgy-gy, sbbky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut. SH 25%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent. Tr py.

MW IN: 9.5 VIS: 47 OUT: 9.5 VIS: 43

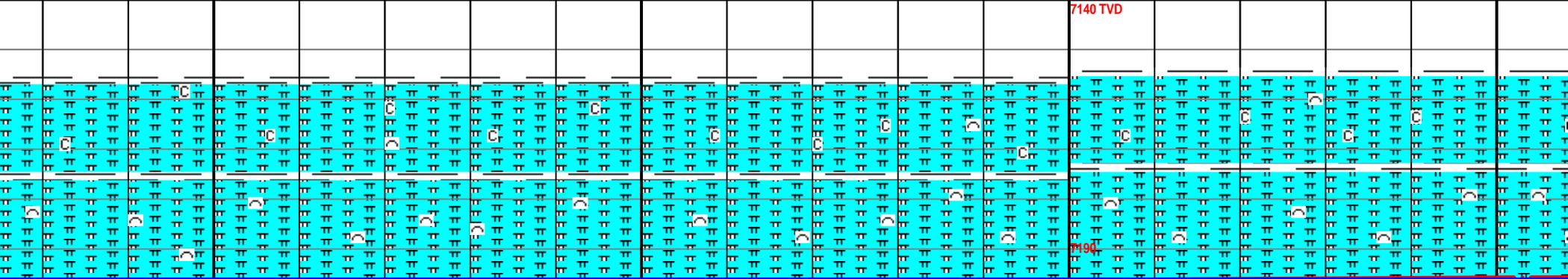


9100

9150

9200

9250



MD 9163 TVD 7196.48
Az 0.43° Inc 90.15°

MD 925
Az 359

Mrist 75%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 25%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent. Tr py.

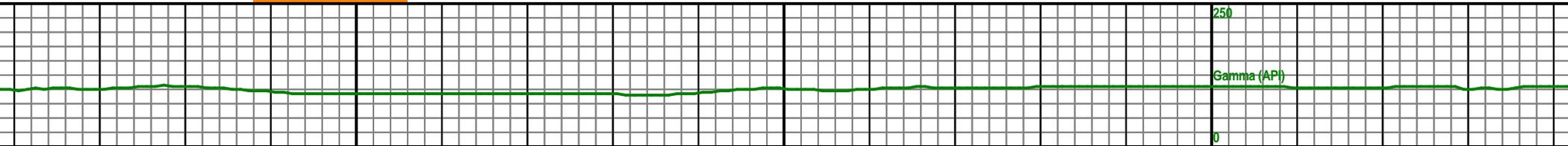
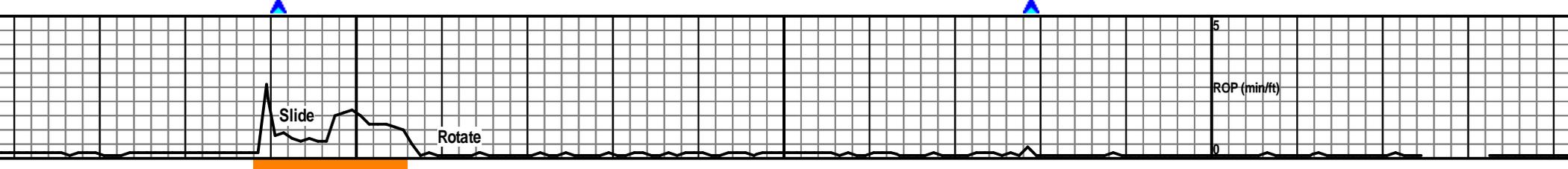
Mrist 90%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 10%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent.

Mrist 90%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 10%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent.

Mrist 80%: Itgy-gy, sbbiky, frm, v
biocl, nsfl, slw str wh cut.SH 20%:
pty-sbpty, slty, sft sl calc. Tr Bent.

7240

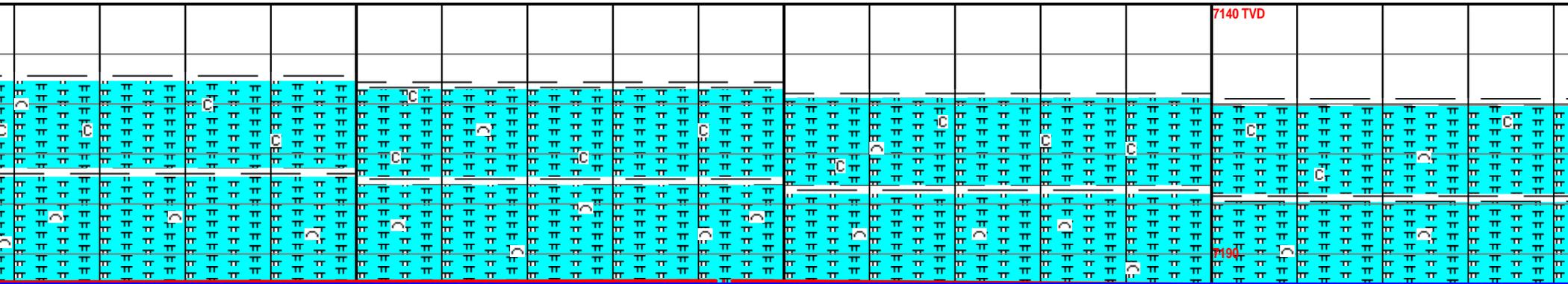
MW IN: 9.5 VIS: 46 OUT: 9.6 VIS: 46



9300

9350

9400



3 TVD 7
87° Inc

MD 9343 TVD 7195.47
Az 0.14° Inc 89.35°

MD 9433 TVD
Az 359.39° Inc

calc, ab
1

Mrlst 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 20%: ltgy-gy,
pty-sbpty, slty, sft, sl calc. Tr Bent. Tr py.

Mrlst 90%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 10%: ltgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent.

Mrlst 90%: ltgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 10%: ltgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent.

Mrlst
biocl,
pty-s

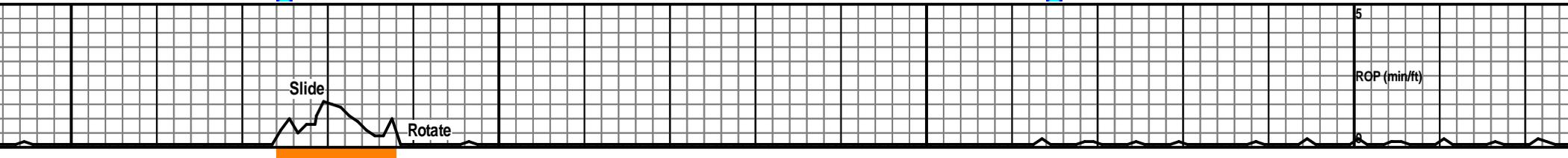
7240

MW IN: 9.5 VIS: 46 OUT: 9.6 VIS: 46



5000
0

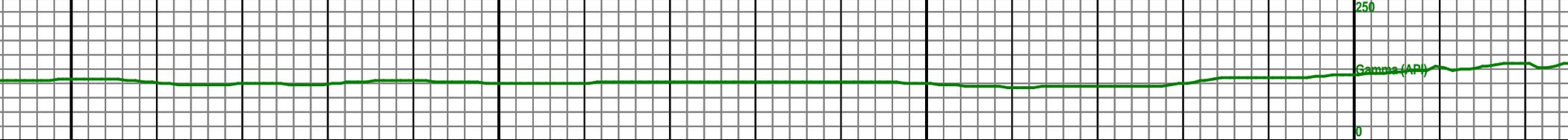
TG, C1-C5



5
0
RGP (min/ft)

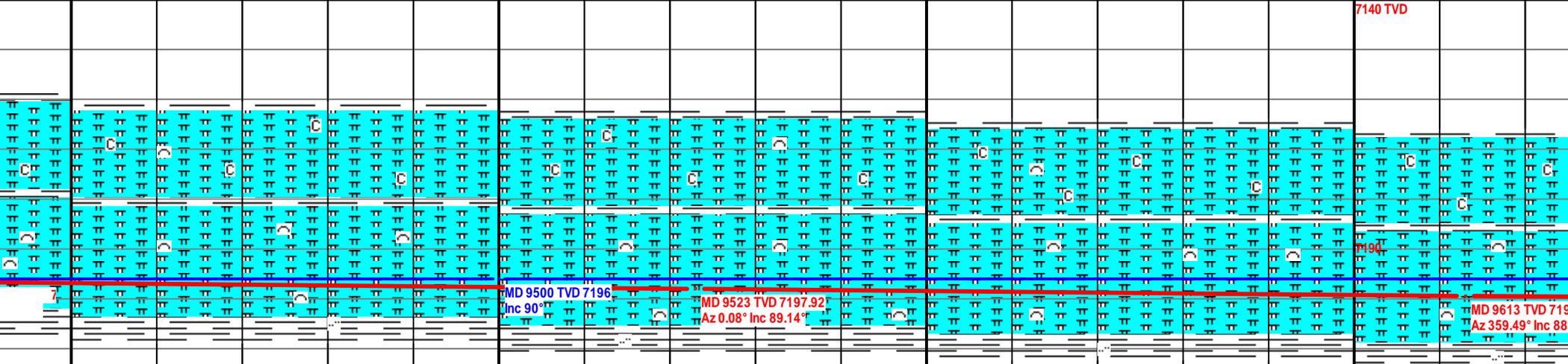
Slide

Rotate



250
0
Gamma (API)

9450 9500 9550 9600



MD 9500 TVD 7196
Inc 90°

MD 9523 TVD 7197.92
Az 0.08° Inc 89.14°

MD 9613 TVD 7199
Az 359.49° Inc 88°

7140 TVD
7190
7240

5%: Itgy-gy, sbbiky, frm, v calc, ab
nsfl, slw str wh cut.SH 15%: l
bpty, slty, sft sl calc. 1

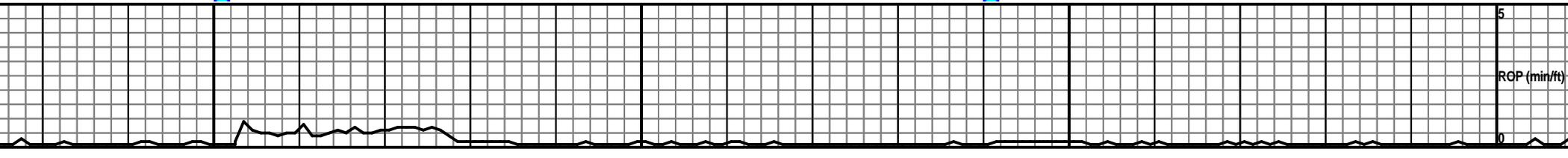
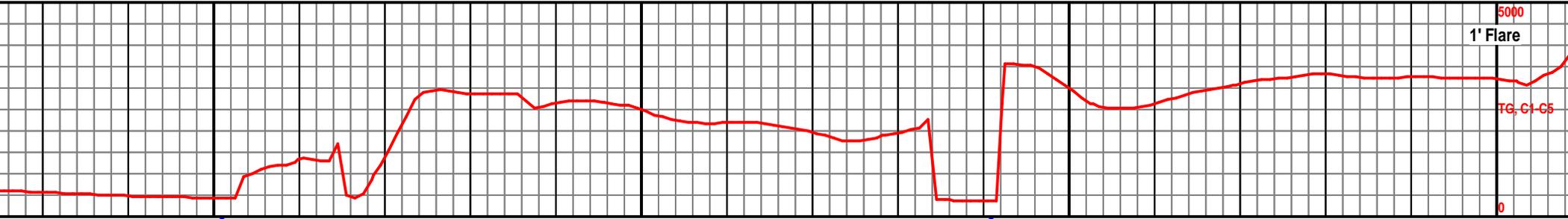
Mrlst 85%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 15%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent.

Mrlst 95%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 5%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent. Tr py.

Mrlst 95%: Itgy-gy, sbbiky, frm, v calc, abd intbd
biocl, nsfl, slw str wh cut.SH 5%: Itgy-gy,
pty-sbpty, slty, sft sl calc. Tr Bent. Tr py.

MW IN: 9.5 VIS: 43 OUT: 9.4 VIS: 43

MW IN: 9.4

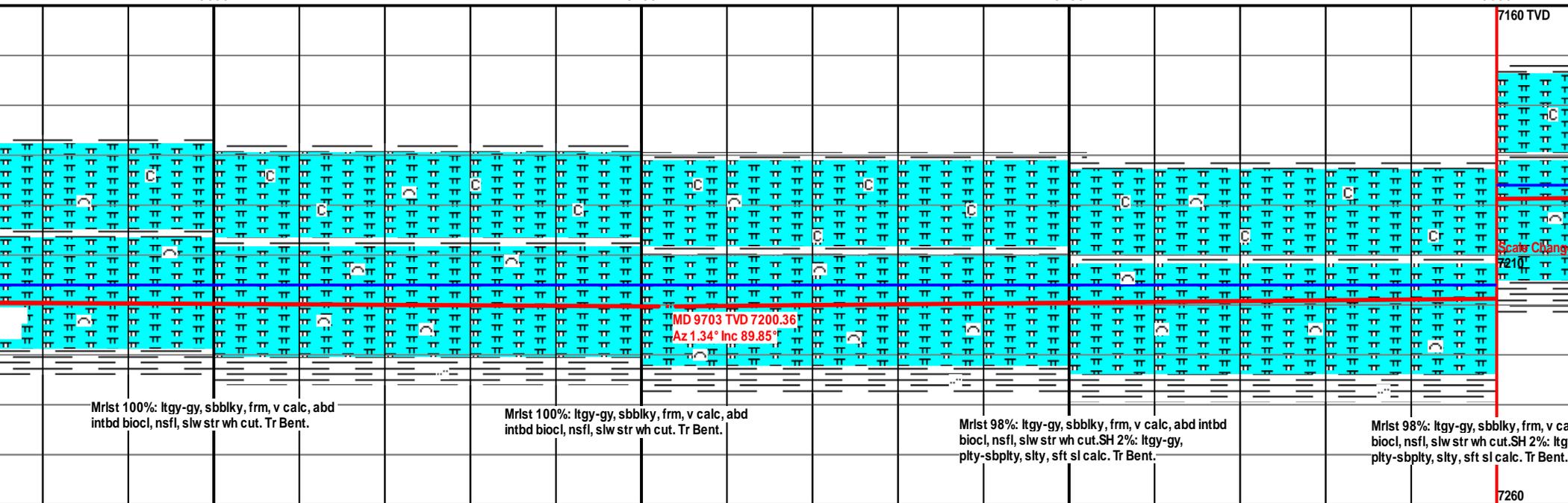


9650

9700

9750

9800

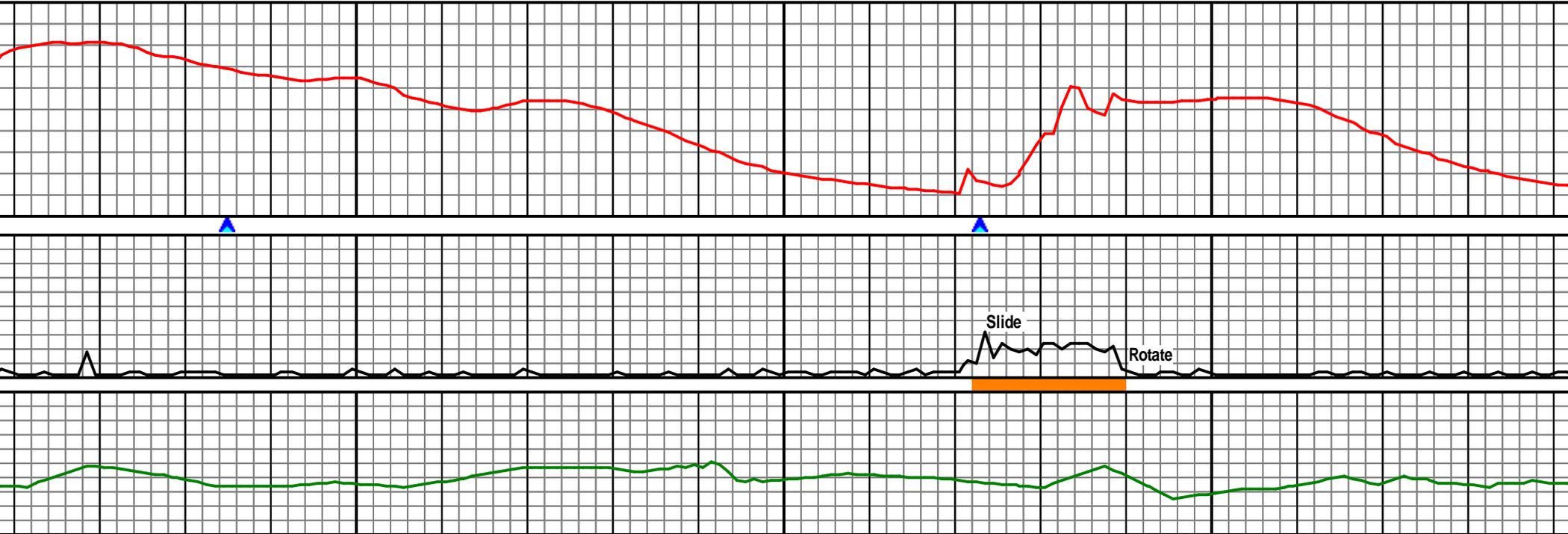


Mrist 100%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. Tr Bent.

Mrist 100%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. Tr Bent.

Mrist 98%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. SH 2%: ltgy-gy, pty-sbpty, slty, sft sl calc. Tr Bent.

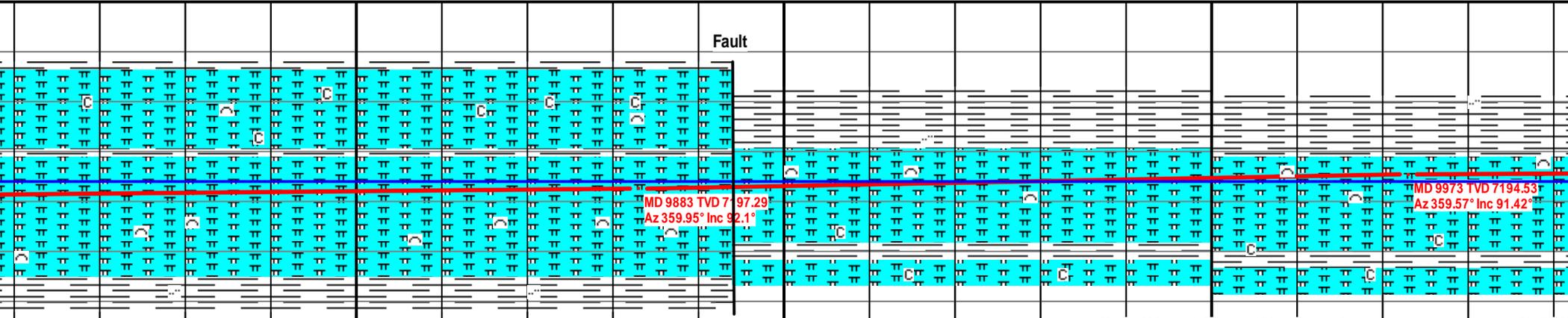
Mrist 98%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, slw str wh cut. SH 2%: ltgy-gy, pty-sbpty, slty, sft sl calc. Tr Bent.



9850

9900

9950



Fault

MD 9883 TVD 7197.29°
 Az 359.95° Inc 92.1°

MD 9973 TVD 7194.53°
 Az 359.57° Inc 91.42°

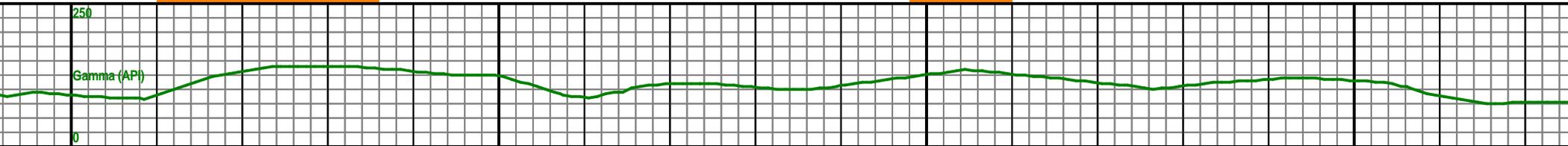
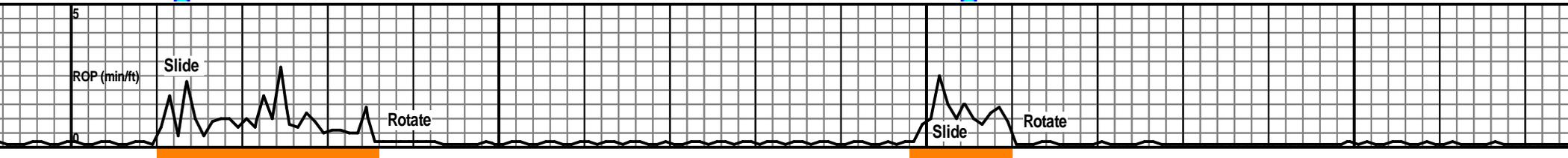
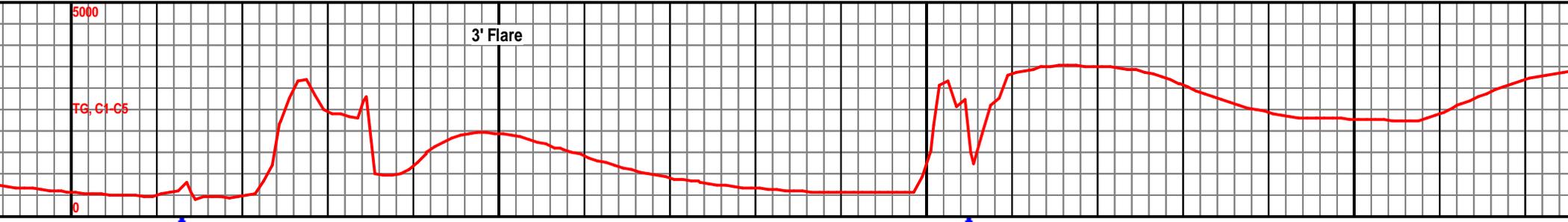
Mrlst 60%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 40%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Tr Bent.

Mrlst 60%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 40%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Tr Bent.

Chalky Mrlst 94%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrlst 5%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 1%: ltgy-gy, pty-sbply, slty, sft sl calc.

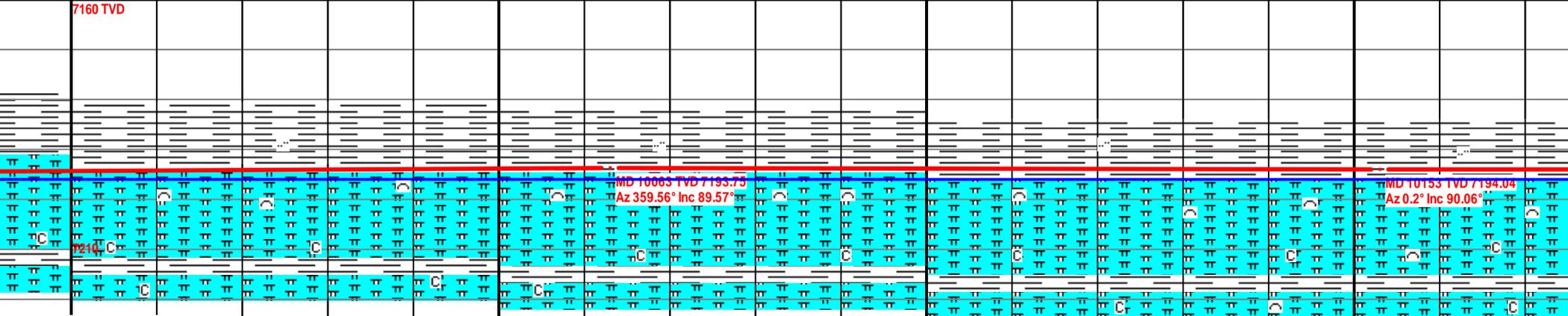
Chalky M...
 tr-occ int...
 ltgy-gy, s...
 mod str v...
 sft sl calc.

lc, ab



10000 10050 10100 10150

7160 TVD



rlst 94%: ltgy-gy, sbbkly, frm, bd biocl, nsfl, mod str wh cut. Mr bblky, frm, v calc, abd intbd biocl cut. SH 1%: ltgy-gy, pty-sbply

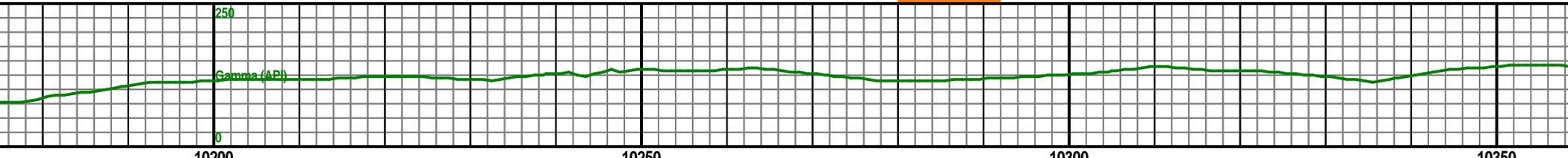
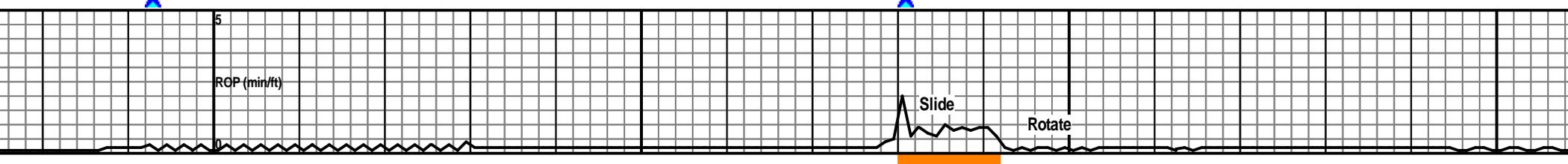
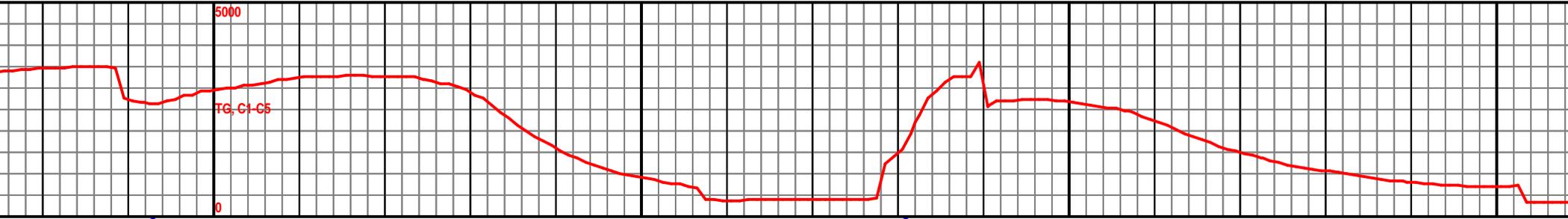
SH 70%: ltgy-gy, pty-sbply, slty, sft sl calc. Mrlst 25%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 5%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

SH 70%: ltgy-gy, pty-sbply, slty, sft sl calc. Mrlst 25%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 5%: ltgy-gy, sbbkly, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

SH 85%: ltgy-gy, pty-sbply, slty, sft sl calc. Mrlst 15%: ltgy-gy, sbbkly, frm, v calc, abd intbd biocl, nsfl, mod str wh cut.

7260

MW IN: 9.4 VIS: 46 OUT: 9.4 VIS: 45



7160 TVD

MD 10333 TVD 7194.14
Az 359.9° Inc 89.88°

SH 85%: ltgy-gy, plty-sbplty, slty, sft sl calc.
Mrlst 15%: ltgy-gy, sbblky, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut.

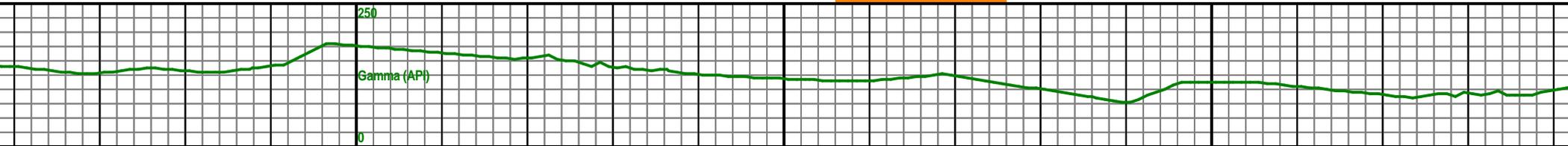
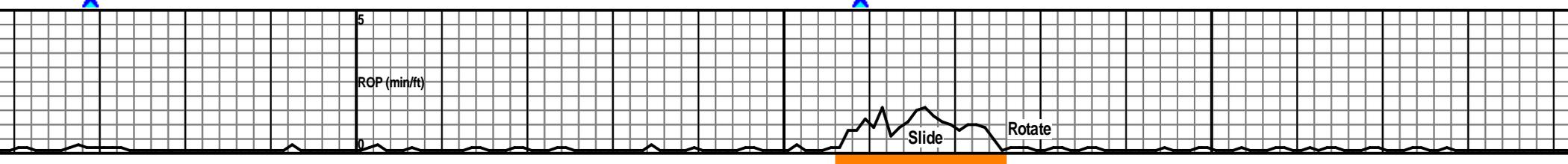
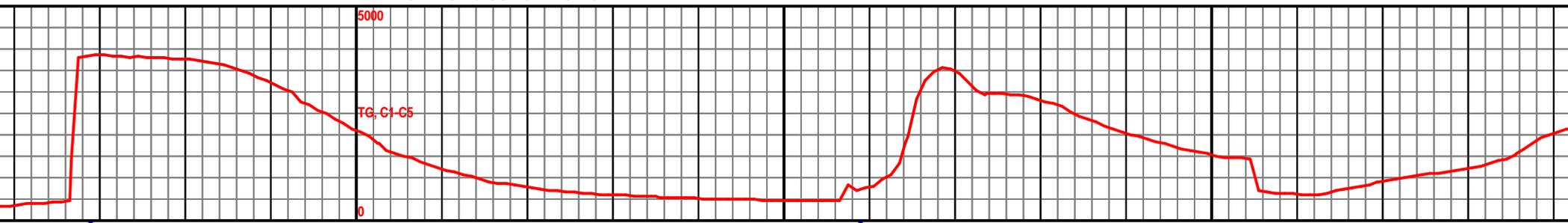
SH 95%: ltgy-gy, plty-sbplty, slty, sft sl calc.
Mrlst 5%: ltgy-gy, sbblky, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut.

SH 95%: ltgy-gy, plty-sbplty, slty, sft sl calc.
Mrlst 5%: ltgy-gy, sbblky, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut.

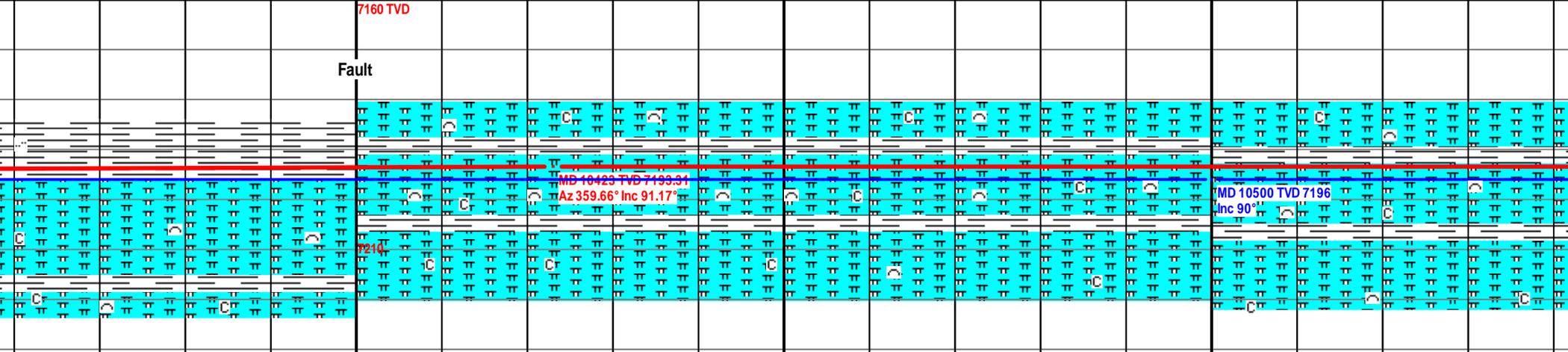
SH 70%: ltgy-gy, plty-sbplty, slty, sft sl calc.
Mrlst 30%: ltgy-gy, sbblky, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut.

7260

MW IN: 9.4 VIS: 45 OUT: 9.4 VIS: 46



10400 10450 10500



s lc, ab

SH 70% Itgy-gy, pty-sbpty, slty, sft sl calc.
Mrst 30% Itgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut.

Mrst 60% Itgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 40% Itgy-gy, pty-sbpty, slty, sft sl calc.

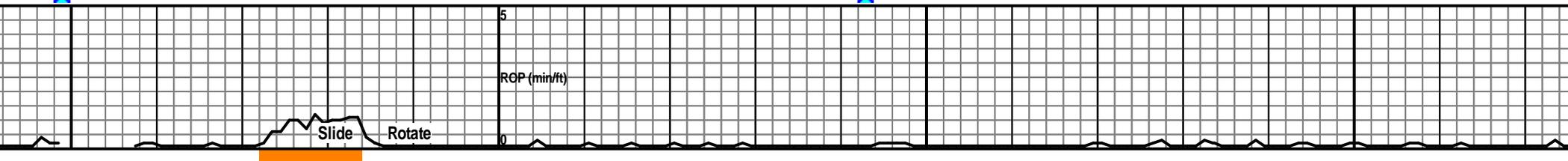
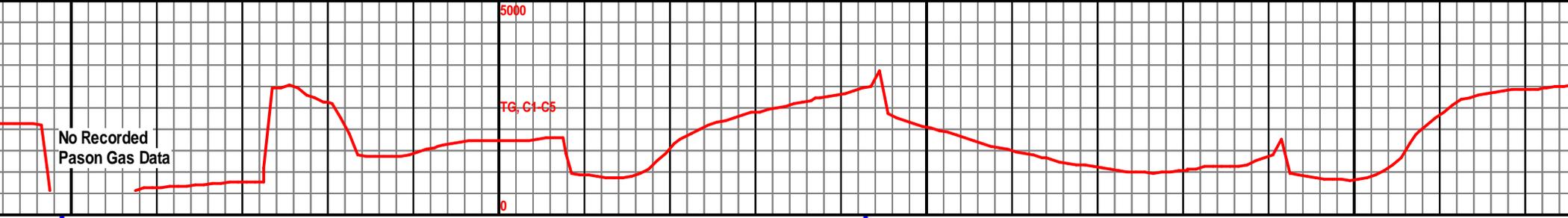
Mrst 60% Itgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. SH 40% Itgy-gy, pty-sbpty, slty, sft sl calc.

Mrst 60% biocl, nsfl, pty-sbpty

7260

MW IN: 9.4 VIS: 47 OUT: 9.4 VIS: 45

MW IN: 9.3 VIS: 47 OUT: 9.4 VIS: 45

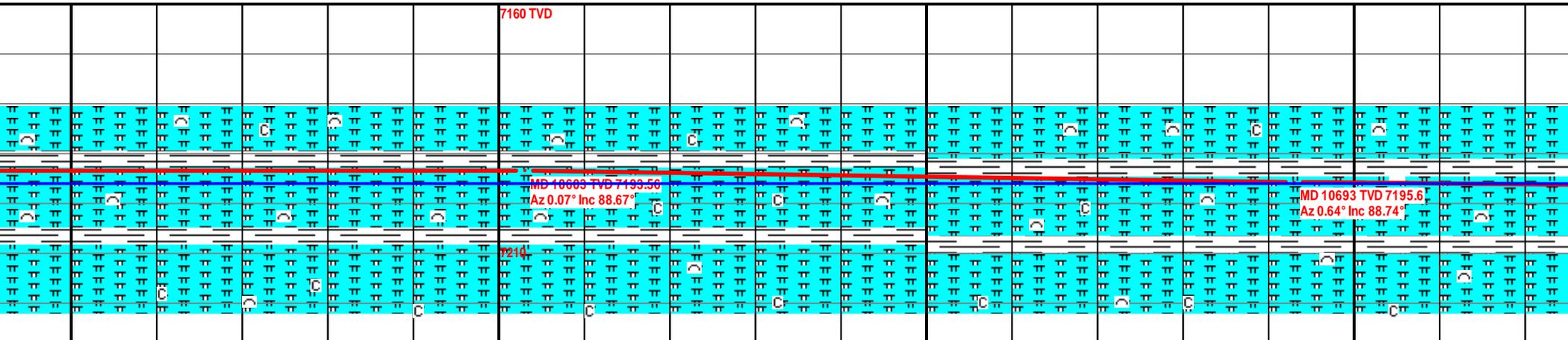


10550

10600

10650

10700



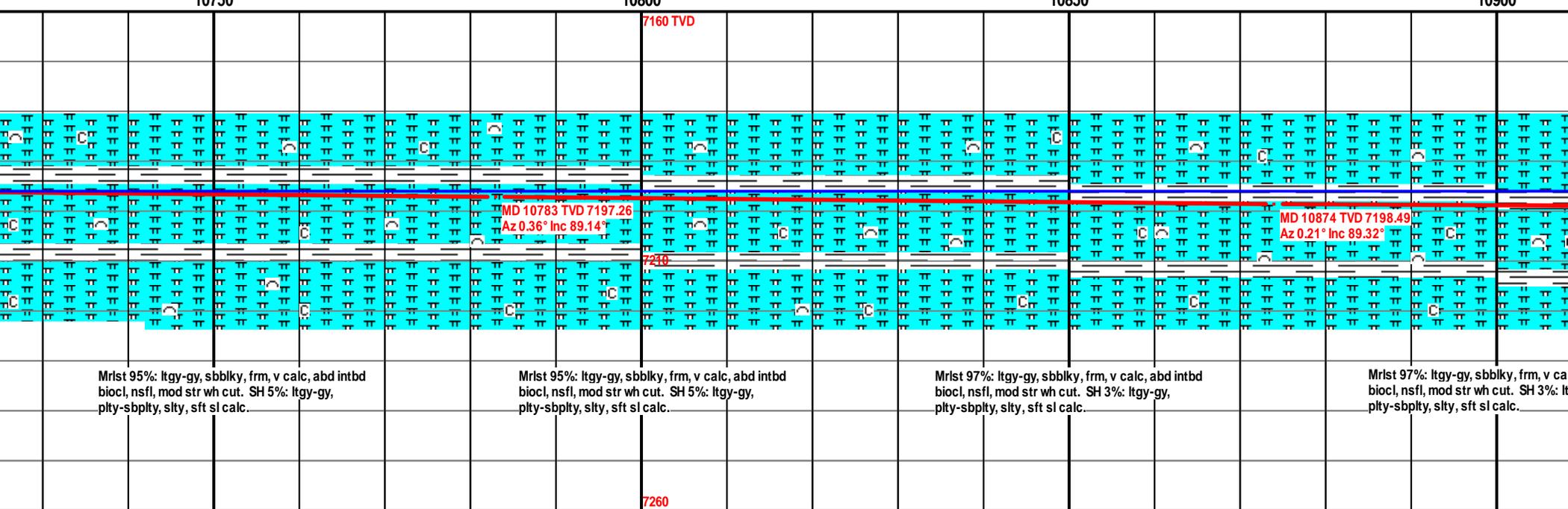
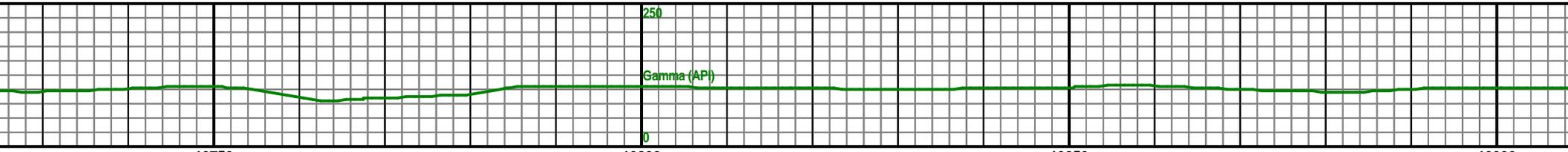
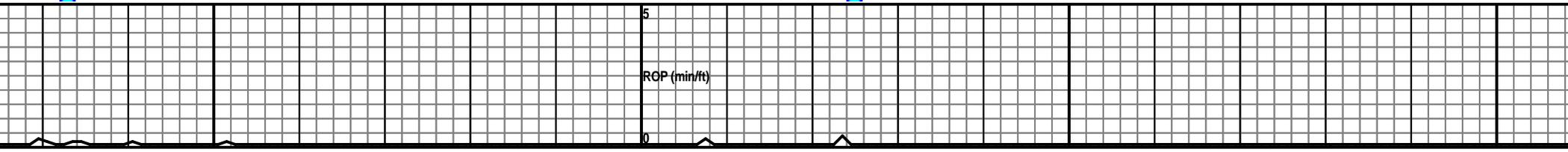
: Itgy-gy, sbbkly, frm, v calc, ab
mod str wh cut. SH 40%: t
y, slty, sft

Mrist 60%: Itgy-gy, sbbkly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. SH 40%: Itgy-gy,
pty-sbply, slty, sft sl calc.

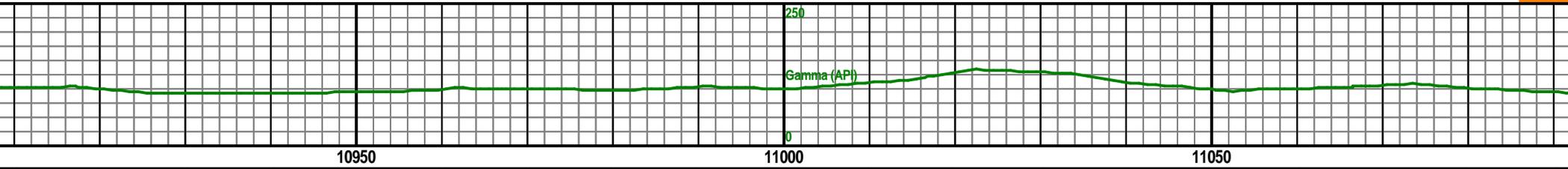
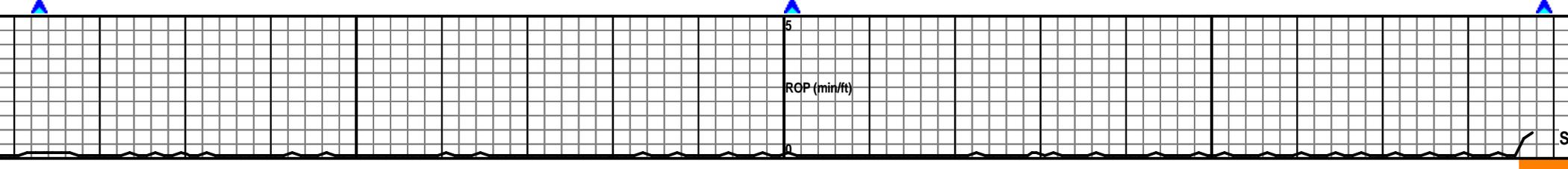
Mrist 95%: Itgy-gy, sbbkly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. SH 5%: Itgy-gy,
pty-sbply, slty, sft sl calc.

Mrist 95%: Itgy-gy, sbbkly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. SH 5%: Itgy-gy,
pty-sbply, slty, sft sl calc.

7260



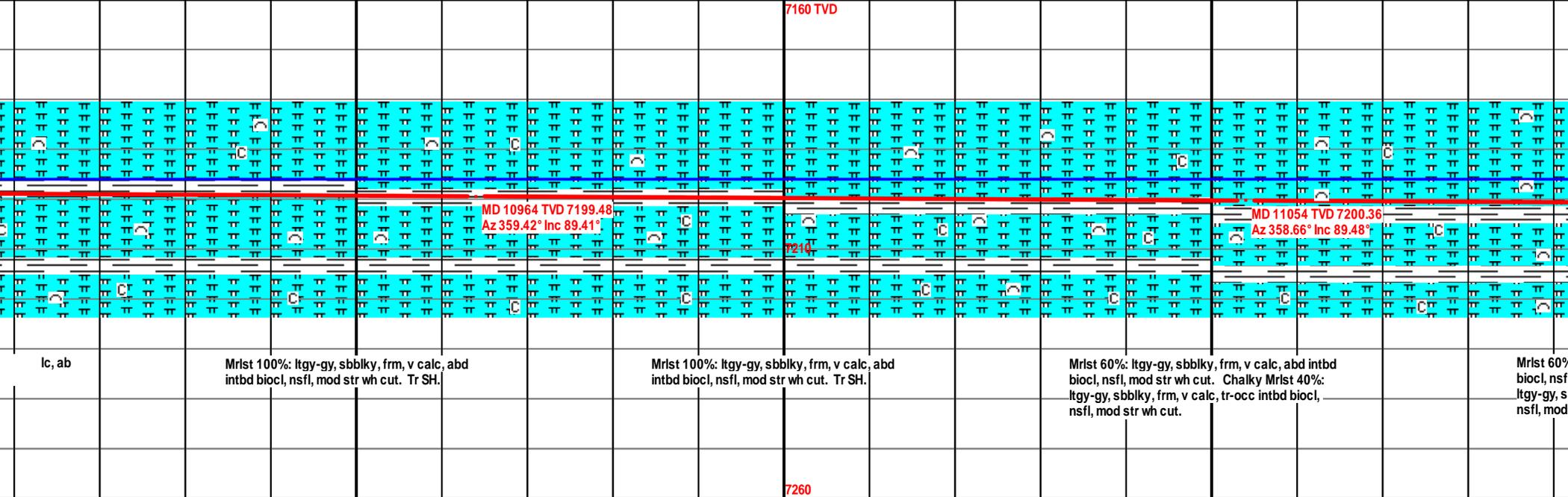
MW IN: 9.5 VIS: 45 OUT: 9.3 VIS: 45



10950

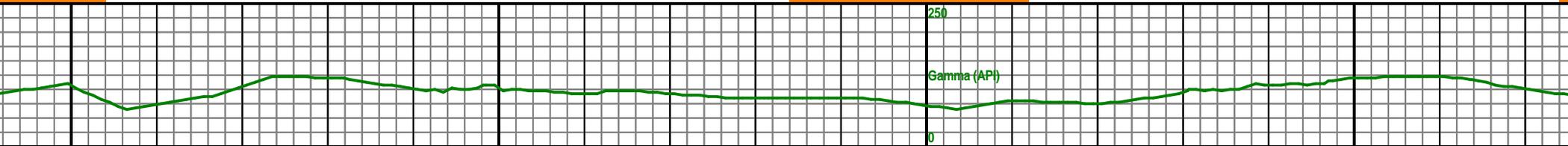
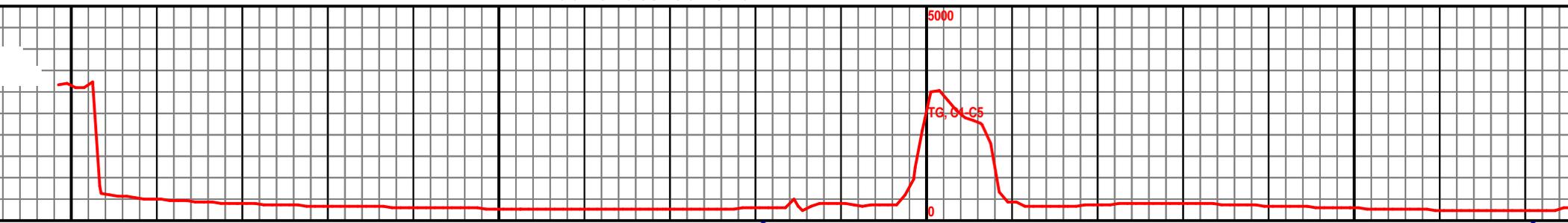
11000

11050

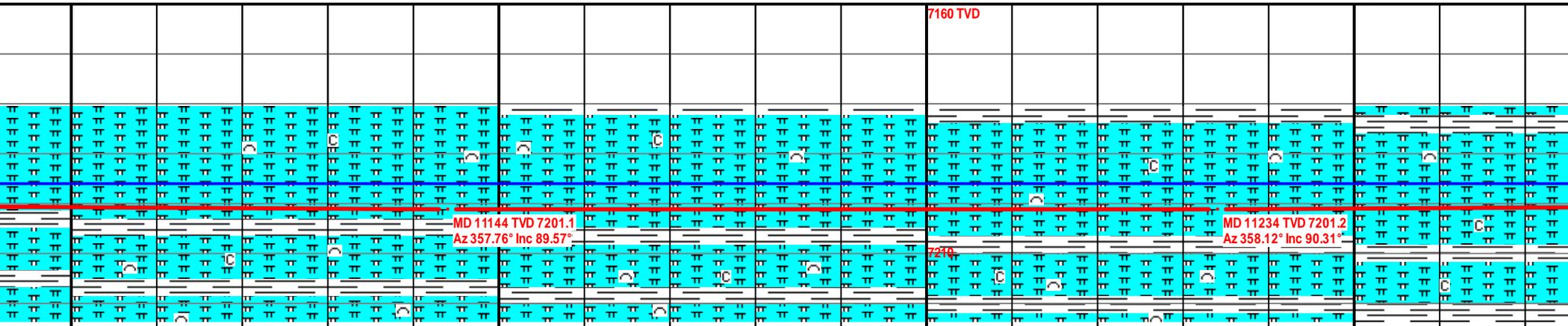


7260

MW IN: 9.5 VIS: 45 OUT: 9.3 VIS: 45



11100 11150 11200 11250



MD 11144 TVD 7201.1
Az 357.76° Inc 89.57°

MD 11234 TVD 7201.2
Az 358.12° Inc 90.31°

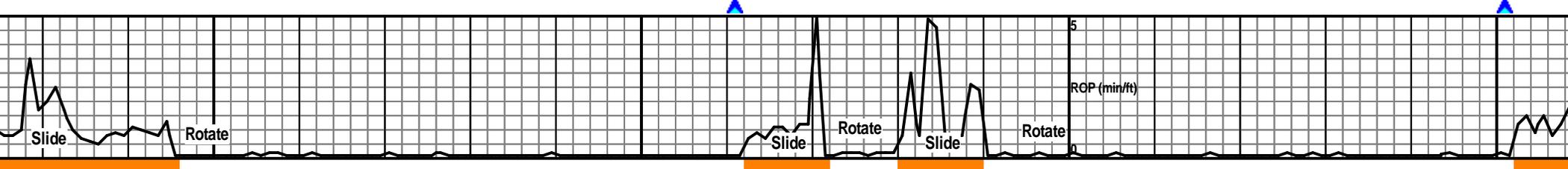
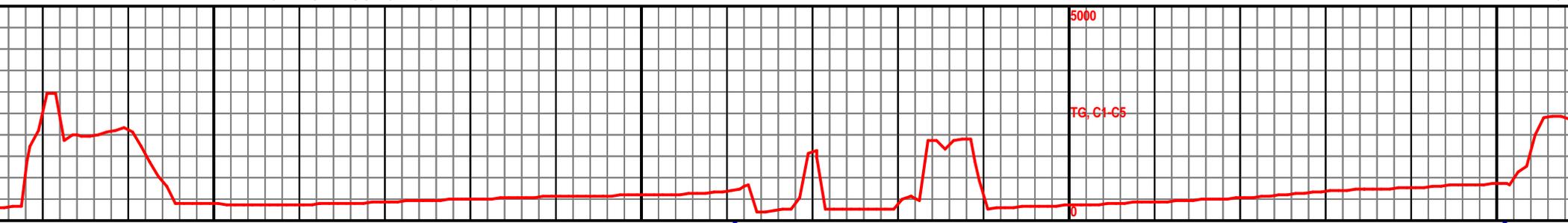
: ltgy-gy, sbbly, frm, v calc, ab
l, mod str wh cut. Chalky Mrlst
bbly, frm, v calc, tr-occ intb
str

Mrlst 80%: ltgy-gy, sbbly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. Chalky Mrlst 20%:
ltgy-gy, sbbly, frm, v calc, tr-occ intbd biocl,
nsfl, mod str wh cut.

Mrlst 80%: ltgy-gy, sbbly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. Chalky Mrlst 20%:
ltgy-gy, sbbly, frm, v calc, tr-occ intbd biocl,
nsfl, mod str wh cut.

Mrlst 80%: ltgy-gy, sbbly, frm, v calc, abd intbd
biocl, nsfl, mod str wh cut. Chalky Mrlst 20%:
ltgy-gy, sbbly, frm, v calc, tr-occ intbd biocl,
nsfl, mod str wh cut.

7260

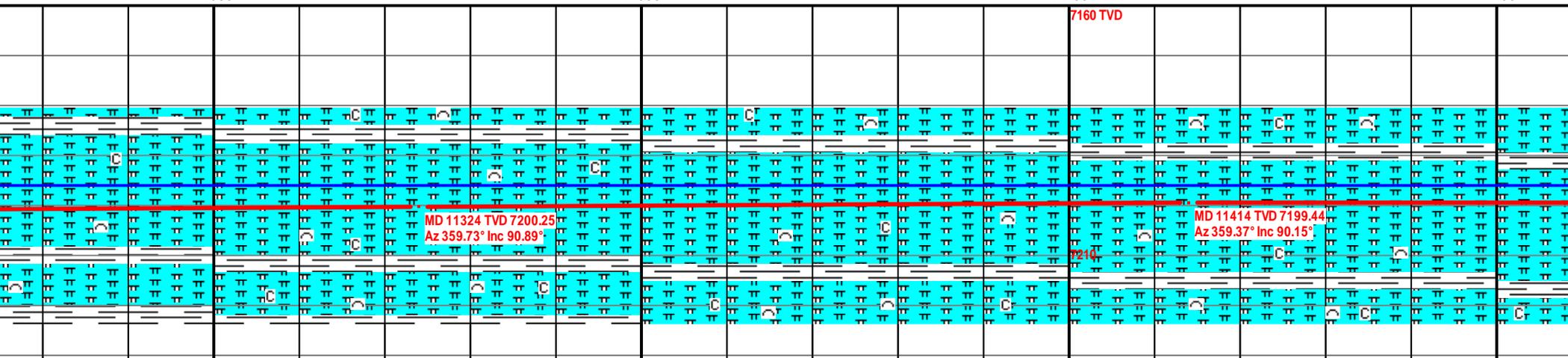


11300

11350

11400

11450



MD 11324 TVD 7200.25
Az 359.73° Inc 90.89°

MD 11414 TVD 7199.44
Az 359.37° Inc 90.15°

7160 TVD

7210

Mrlst 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 20%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 70%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 30%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

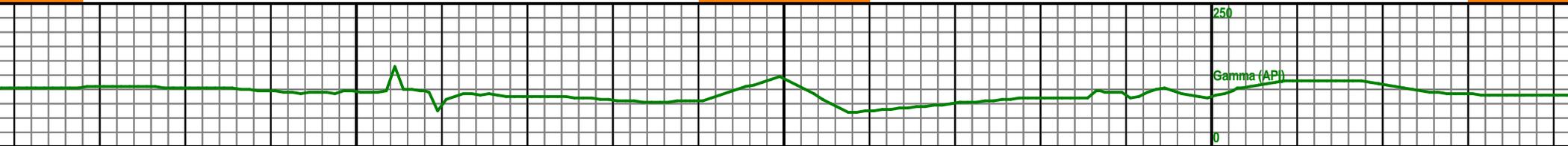
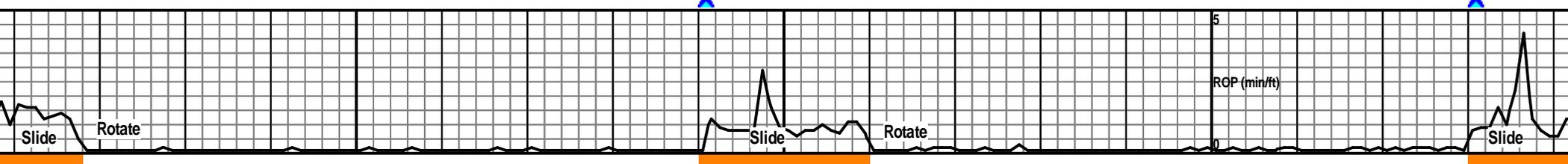
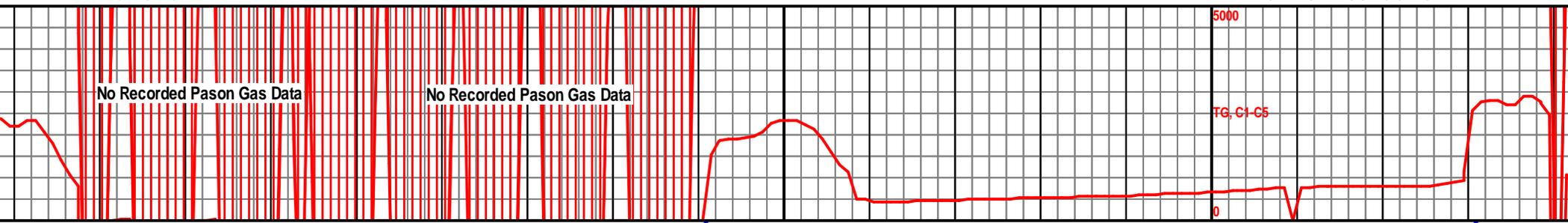
Mrlst 70%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 30%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 20%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

7260

3 VIS: 45

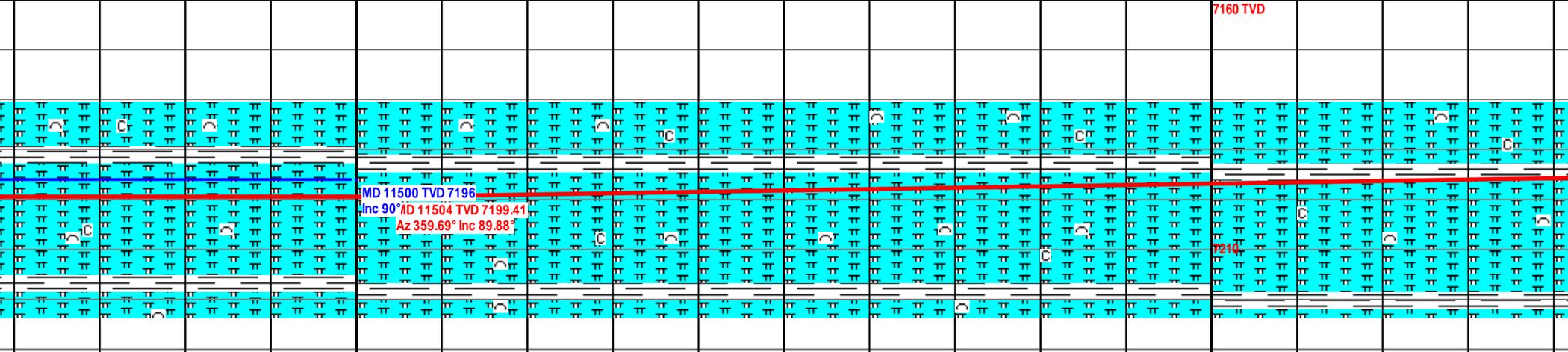
MW IN: 9.2 VIS: 44 OUT: 9.3 VIS: 44



11500

11550

11600



lc, ab
MrIs
tb

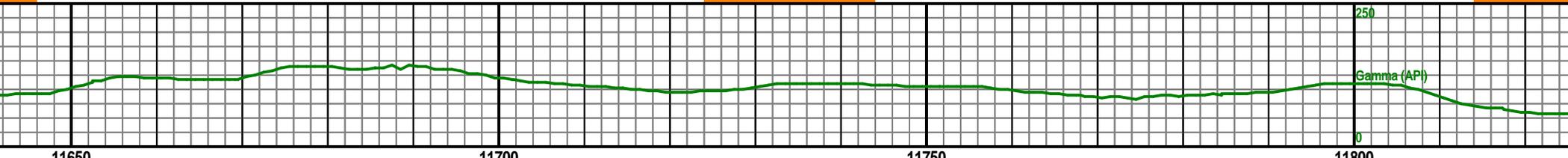
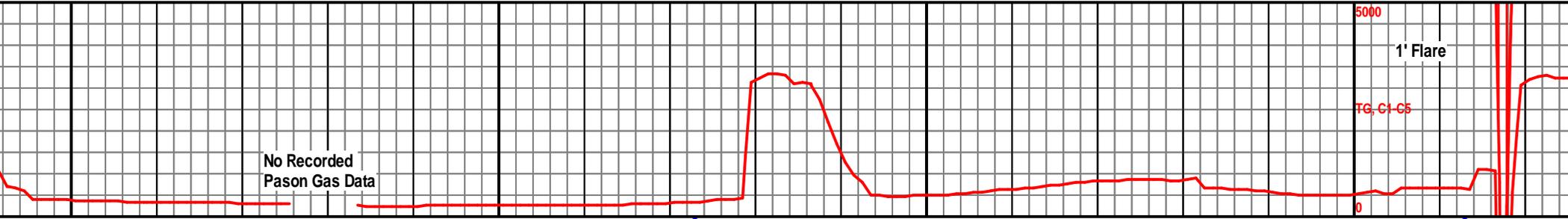
MrIs 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky MrIs 20%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

MrIs 70%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky MrIs 30%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

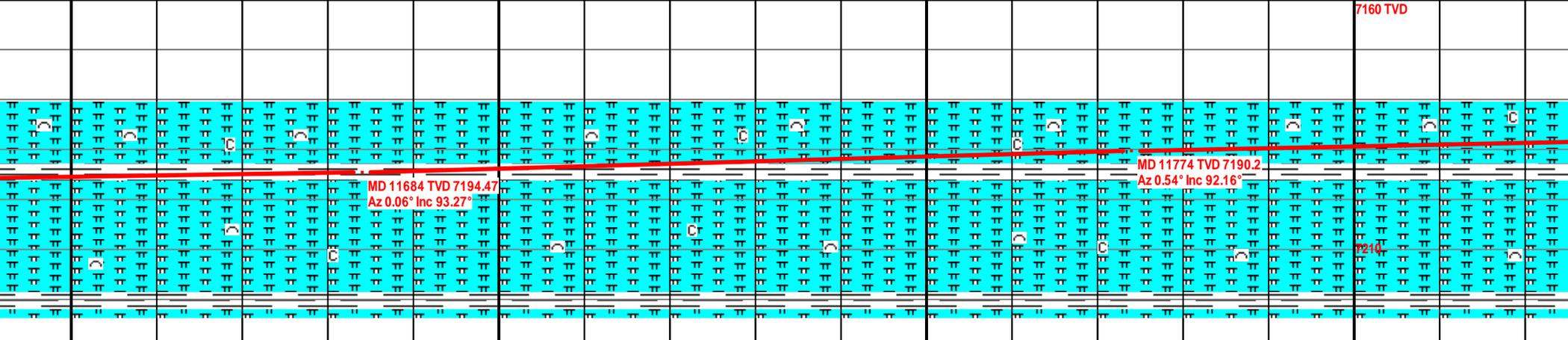
MrIs 70%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky MrIs 30%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Chalky MrIs tr-occ intbd 20%: ltgy-gy, nsfl, mod str wh cut.

7260



11650 11700 11750 11800



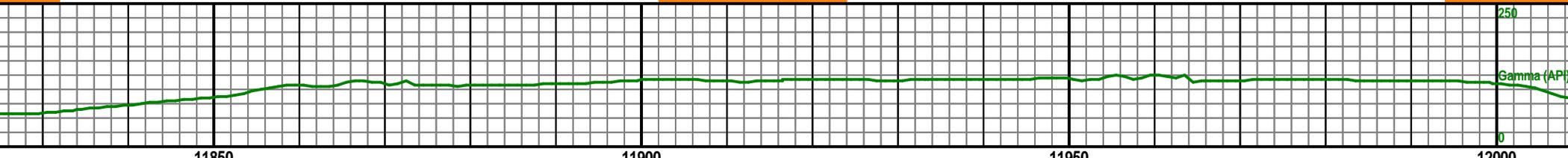
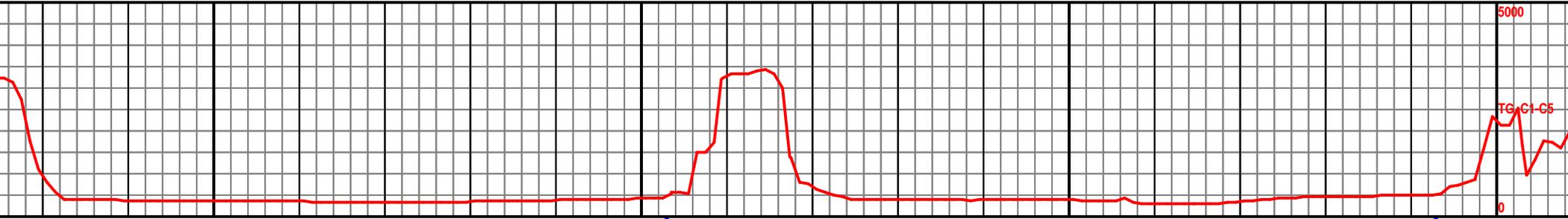
t 80% ltgy-gy, sbbiky, frm, biocl, nsfl, mod str wh cut y, sbbiky, frm, v calc, abd intbr

Chalky Mrlst 80% ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut. Mrlst 20% ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut.

Mrlst 70% ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 30% ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 70% ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 30% ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

MW IN: 9.3 VIS: 48 OUT: 9.3 VIS: 45

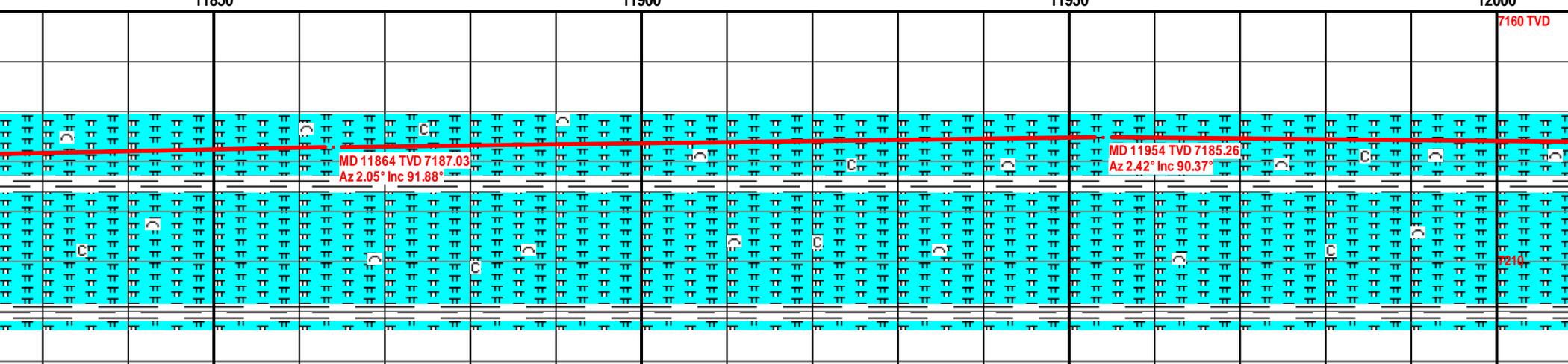


11850

11900

11950

12000



MD 11864 TVD 7187.03
Az 2.05° Inc 91.88°

MD 11954 TVD 7185.26
Az 2.42° Inc 90.37°

7160 TVD

7210

Mrlst 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 20%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

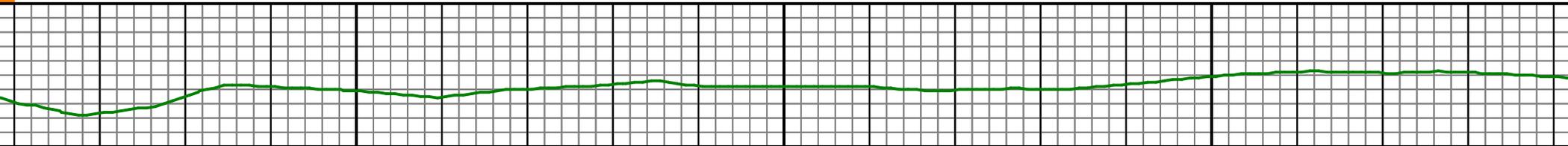
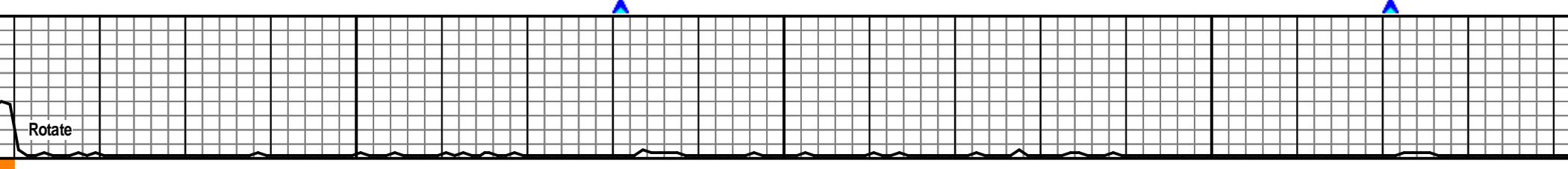
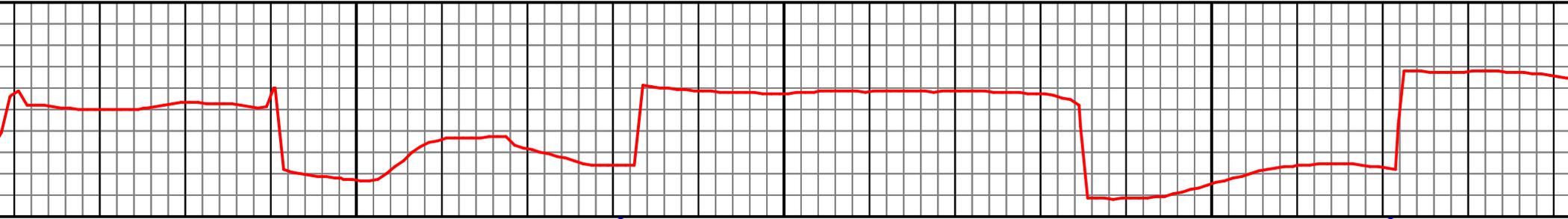
Mrlst 80%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 20%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 90%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 10%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

Mrlst 90%: ltgy-gy, sbbiky, frm, v calc, abd intbd biocl, nsfl, mod str wh cut. Chalky Mrlst 10%: ltgy-gy, sbbiky, frm, v calc, tr-occ intbd biocl, nsfl, mod str wh cut.

7260

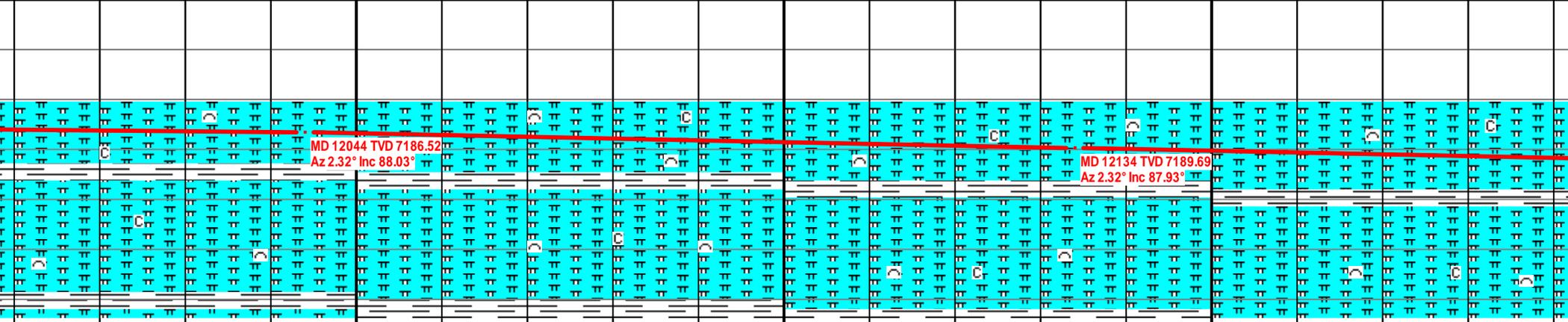
MW IN: 9.3 VIS: 50 OUT: 9.4 VIS: 50



12050

12100

12150



, ab
rls
bc

Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

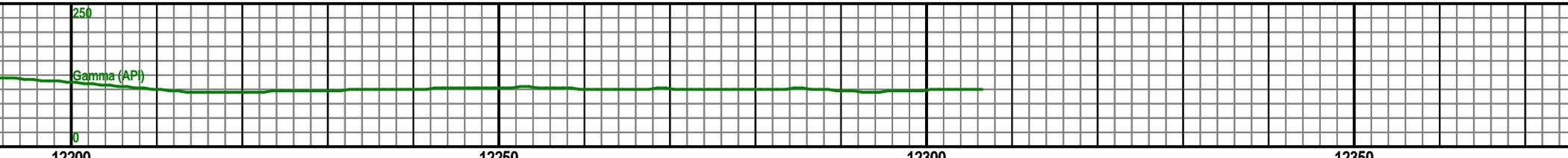
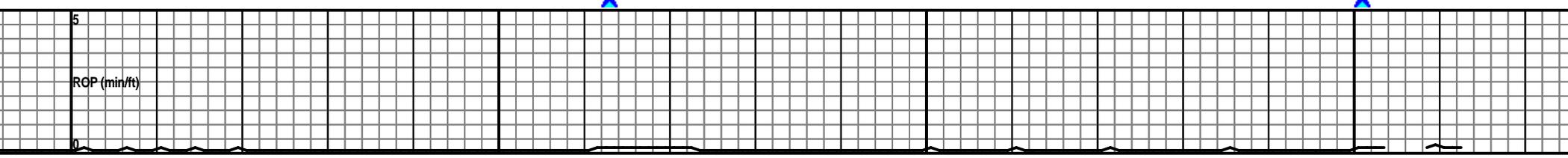
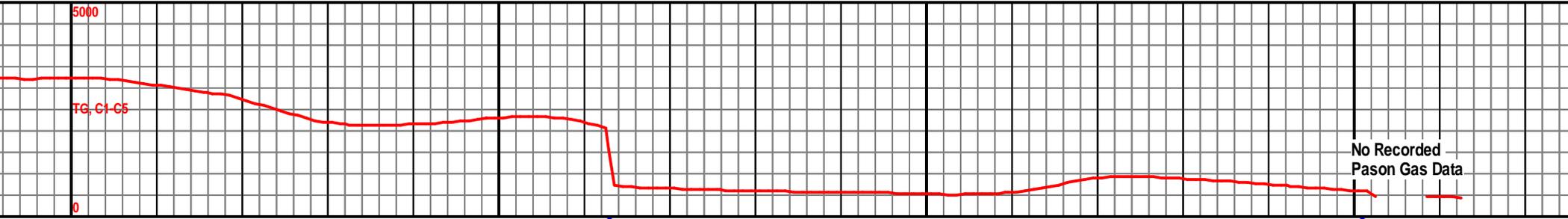
Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

Mrlst 100%
intbd biocl

MW IN: 9.3 VIS: 50 OUT: 9.4 VIS: 50

MW IN: 9.3 VIS: 50 OUT: 9.4 VIS: 50



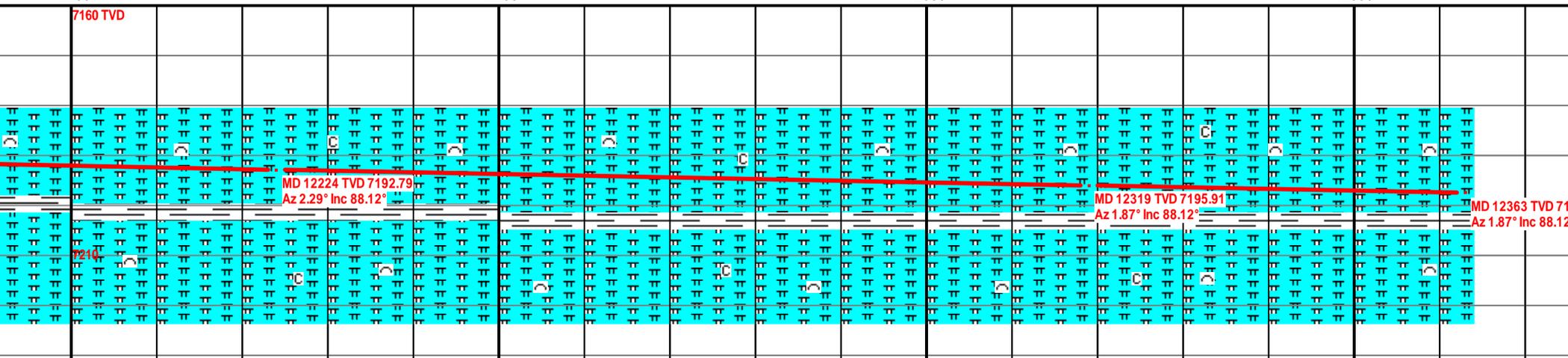
12200

12250

12300

12350

7160 TVD



MD 12224 TVD 7192.79
Az 2.29° Inc 88.12°

MD 12319 TVD 7195.91
Az 1.87° Inc 88.12°

MD 12363 TVD 7195.91
Az 1.87° Inc 88.12°

l, nsfl, mod str wh cut. Tr Chalk

Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

Mrlst 100%: ltgy-gy, sbbiky, frm, v calc, abd
intbd biocl, nsfl, mod str wh cut. Tr Chalky Mrlst.

7260

