



**Scale 1:600 (2"=100') Metric  
Measured Depth Log**

**Well Name:** Turkey Springs 3N-14HZ  
**Location:** Weld County, CO  
**License Number:** 05-123-36691  
**Spud Date:** 06/23/2013  
**Surface Coordinates:** 758' FNL; 2178' FEL  
Sec 23, T2N, R66W  
**Bottom Hole Coordinates:** 460' FNL; 2015' FWL  
Sec 14, T2N, R66W  
**Ground Elevation (m):** 5153'      **K.B. Elevation (m):** 5170'  
**Logged Interval (m):** 8108'      **To:** 12283'      **Total Depth (m):** 12283'  
**Formation:** Niobrara B  
**Type of Drilling Fluid:** Water Based Mud

**Region:** DJ Basin  
**Drilling Completed:** 6/30/13

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**OPERATOR**

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



**OTHER SYMBOLS**

**POROSITY**

-  Earthy
-  Fenest
-  Fracture
-  Inter
-  Moldic
-  Organic
-  Pinpoint

-  Vuggy

**SORTING**

-  Well
-  Moderate
-  Poor

**ROUNDING**

-  Rounded
-  Subrnd
-  Subang
-  Angular

**OIL SHOW**

-  Even

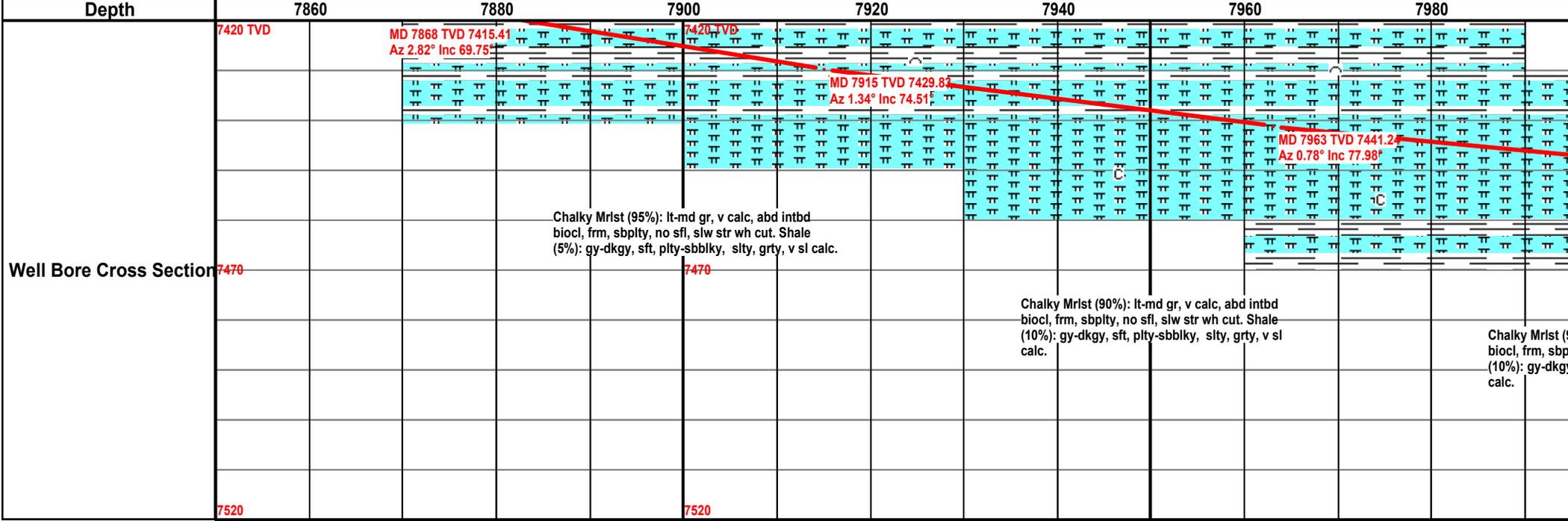
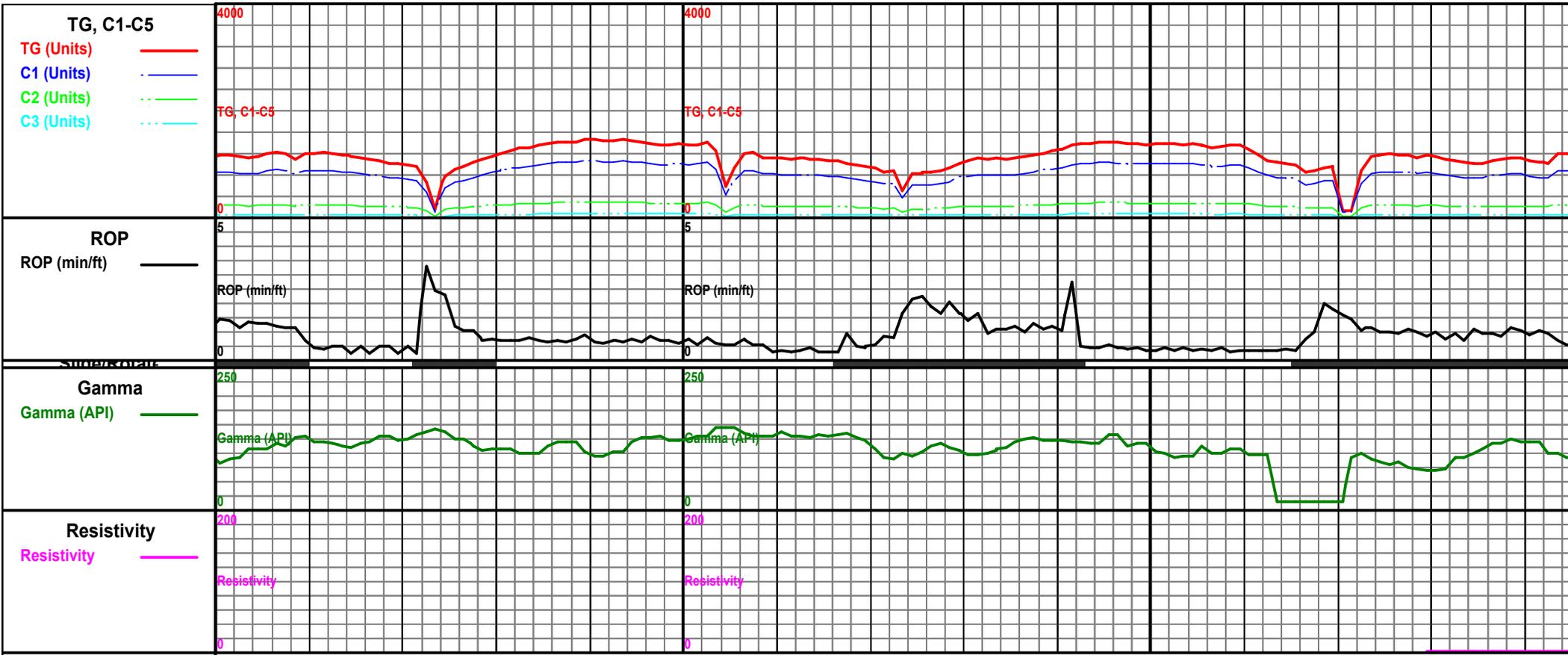
-  Spotted
-  Ques
-  Dead

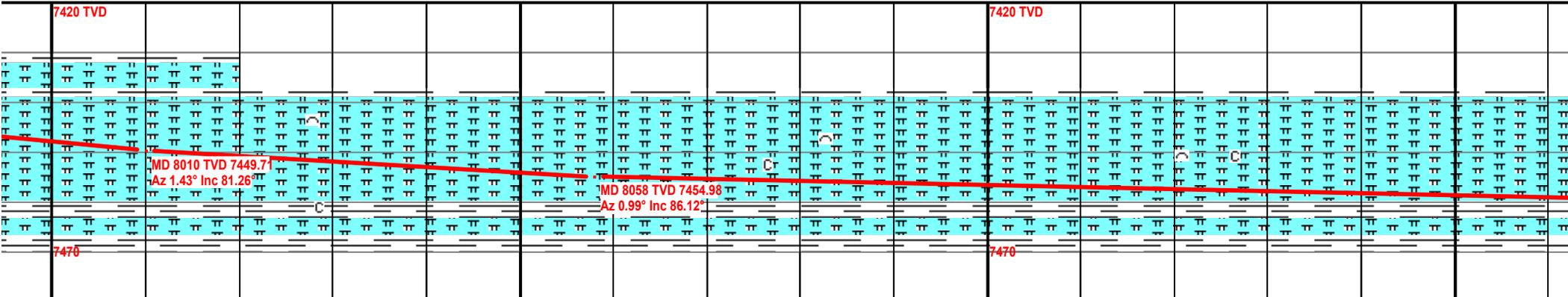
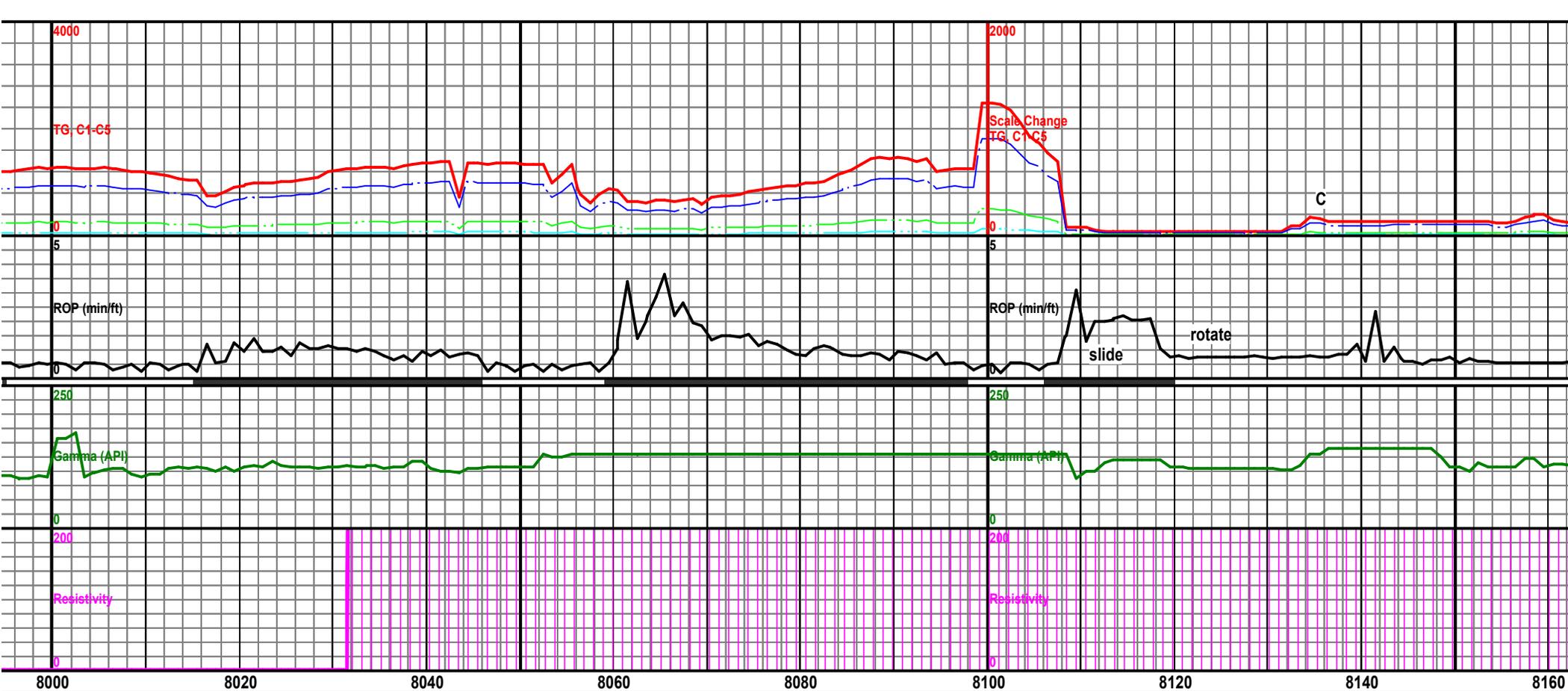
**INTERVAL**

-  Core
-  Dst

**EVENT**

-  Rft
-  Sidewall

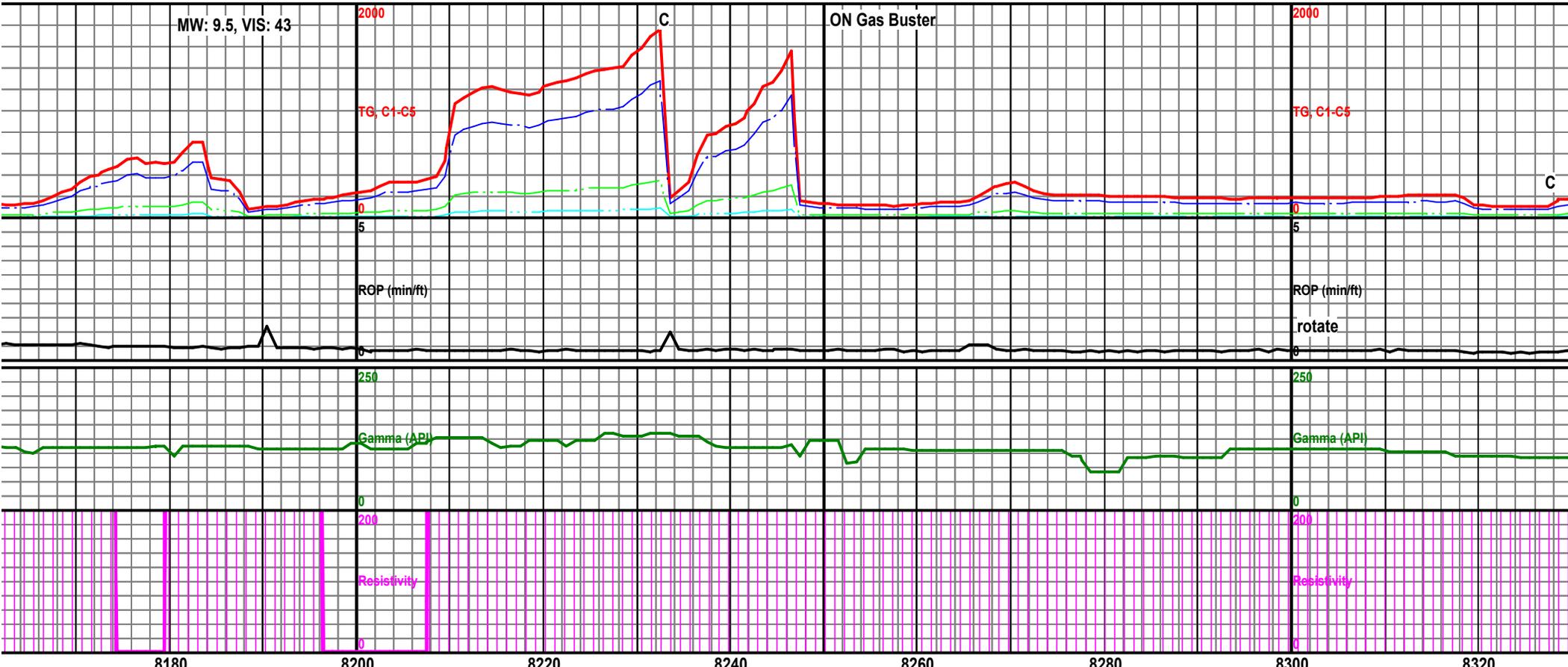




<p>90%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (15%): gy-dkgy, sft, pty-sbbkly, slty, grty, v sl calc.</p>	<p>Chalky Mrlst (85%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (15%): gy-dkgy, sft, pty-sbbkly, slty, grty, v sl calc.</p>	<p>Chalky Mrlst (85%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (15%): gy-dkgy, sft, pty-sbbkly, slty, grty, v sl calc.</p>	<p>Chalky Mrlst (85%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (15%): gy-dkgy, sft, pty-sbbkly, slty, grty, v sl calc.</p>
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MW: 9.5, VIS: 43

ON Gas Buster



8180

8200

8220

8240

8260

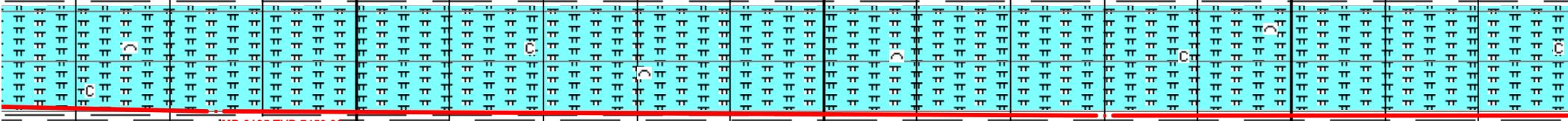
8280

8300

8320

7420 TVD

7420 TVD



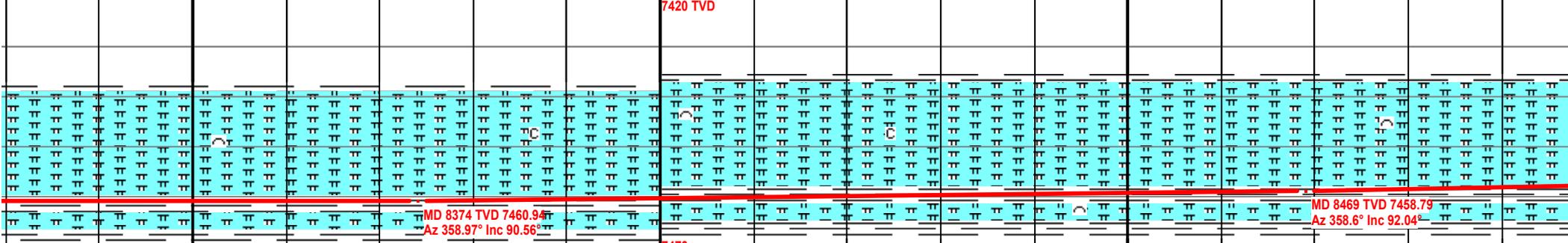
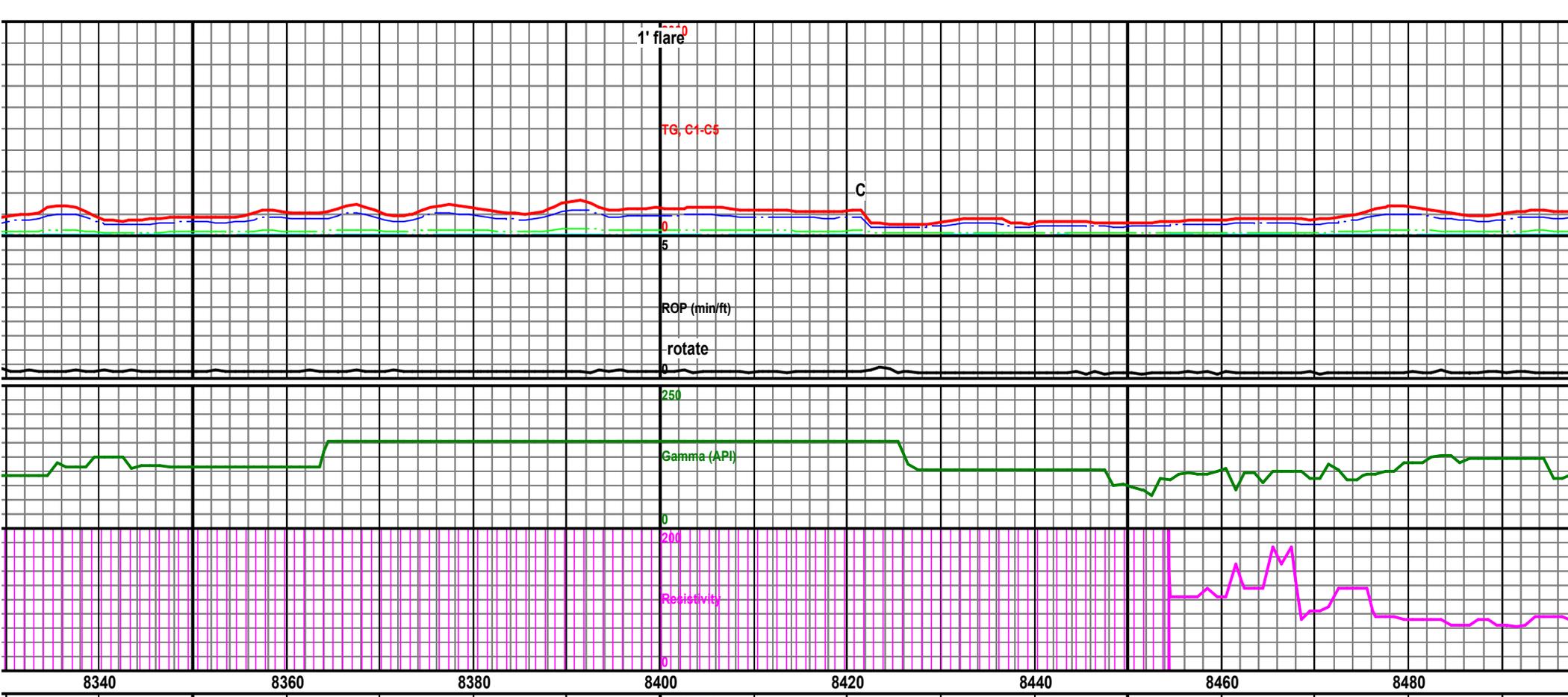
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7520

7520



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7520

MW: 9.5, VIS: 45

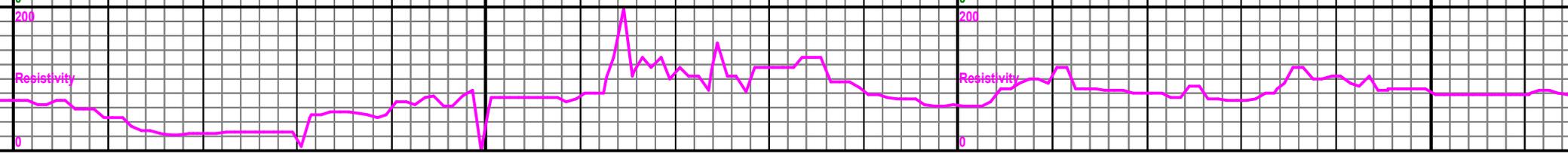
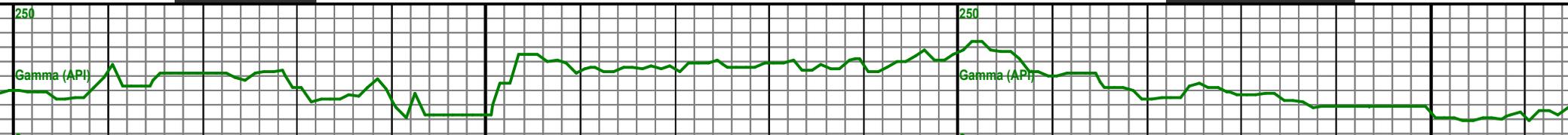
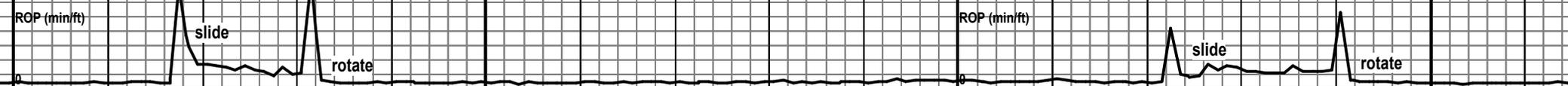
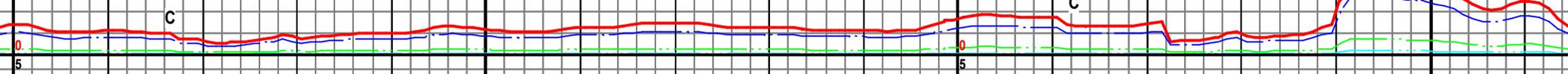
1'-3' flare

2000

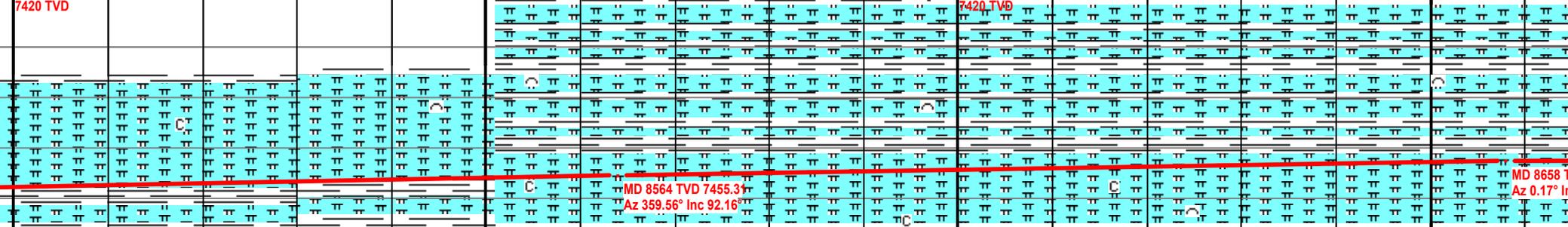
MW: 9.5, VIS: 43

TG, C1-C5

TG, C1-C5



8500 8520 8540 8560 8580 8600 8620 8640 8660



7420 TVD

7420 TVD

MD 8564 TVD 7455.31  
Az 359.56° Inc 92.16°

MD 8658 TVD 7455.31  
Az 0.17° Inc 92.16°

7470

7470

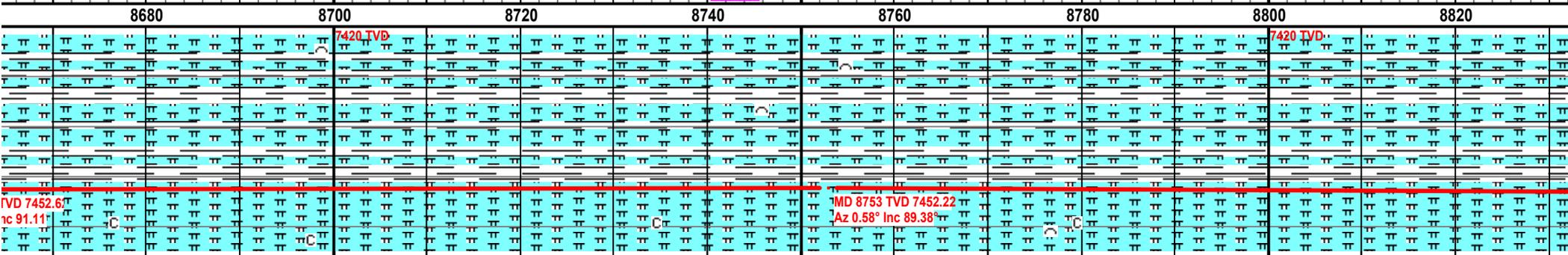
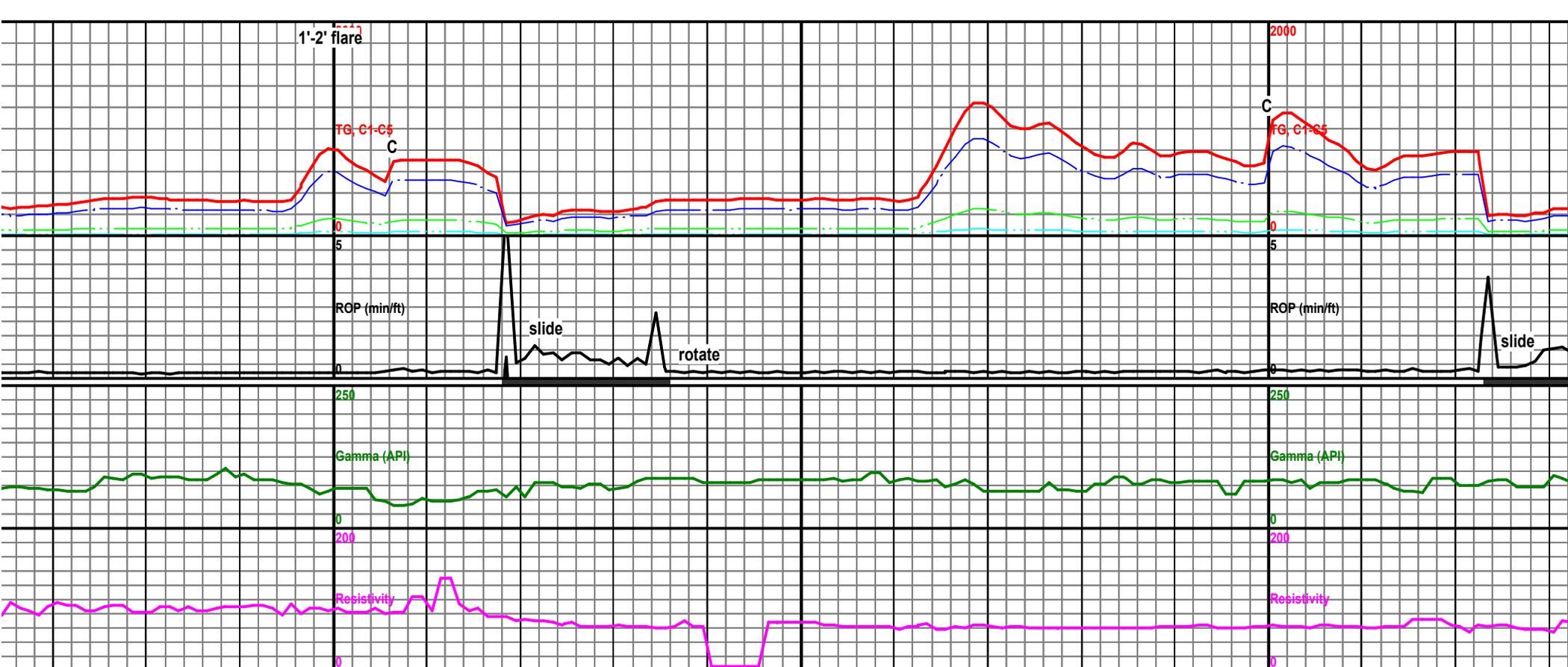
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Chalky Mrlst (95%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (5%): gy-dkgy, sft, pty-sbbiky, sity, grty, v sl calc.

Chalky Mrlst (90%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (10%): gy-dkgy, sft, pty-sbbiky, sity, grty, v sl calc.

7520

7520



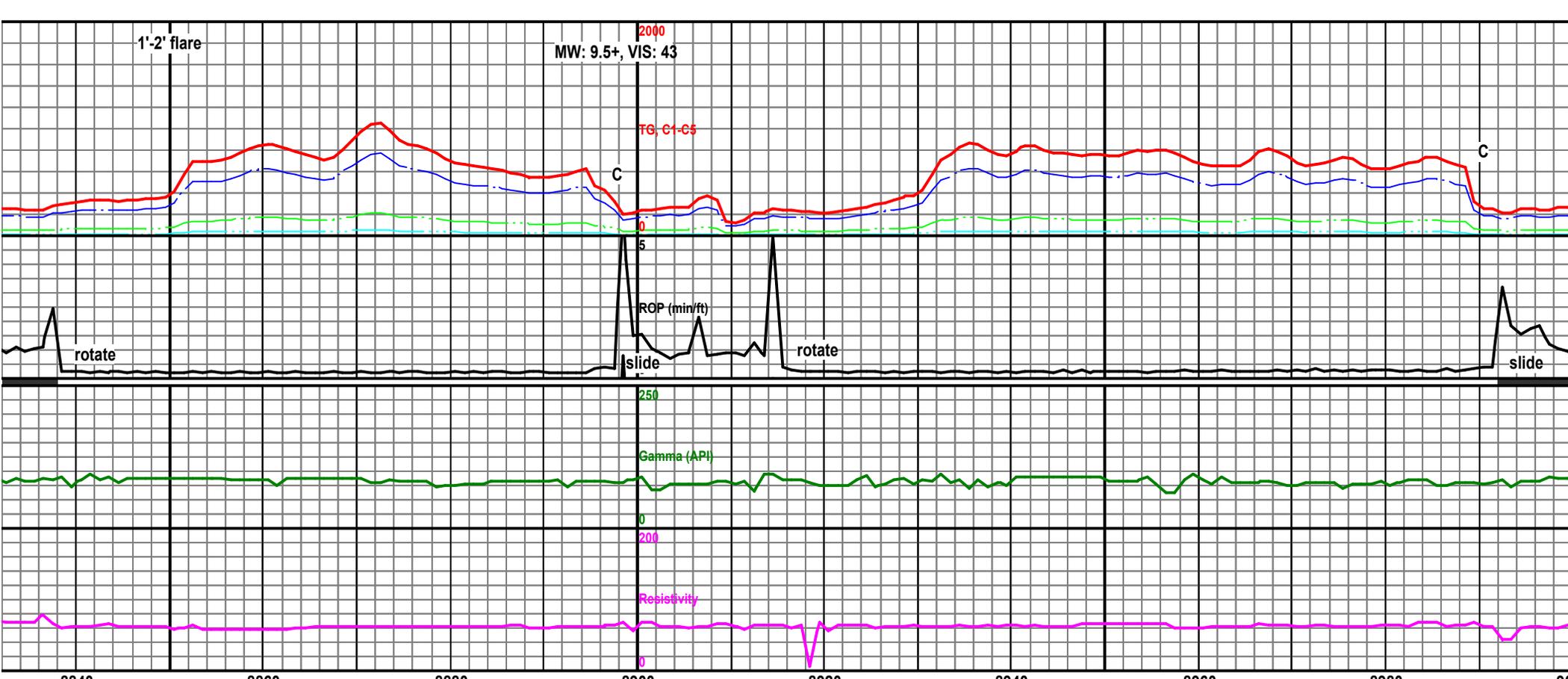
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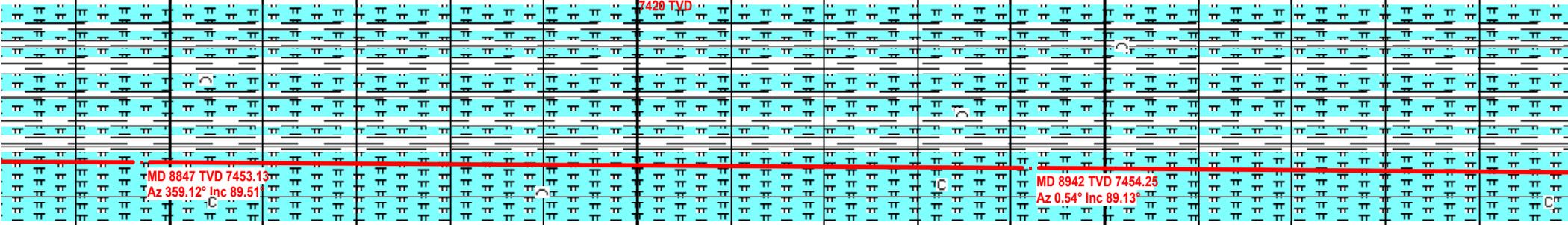
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7520

7520



8840 8860 8880 8900 8920 8940 8960 8980 9000



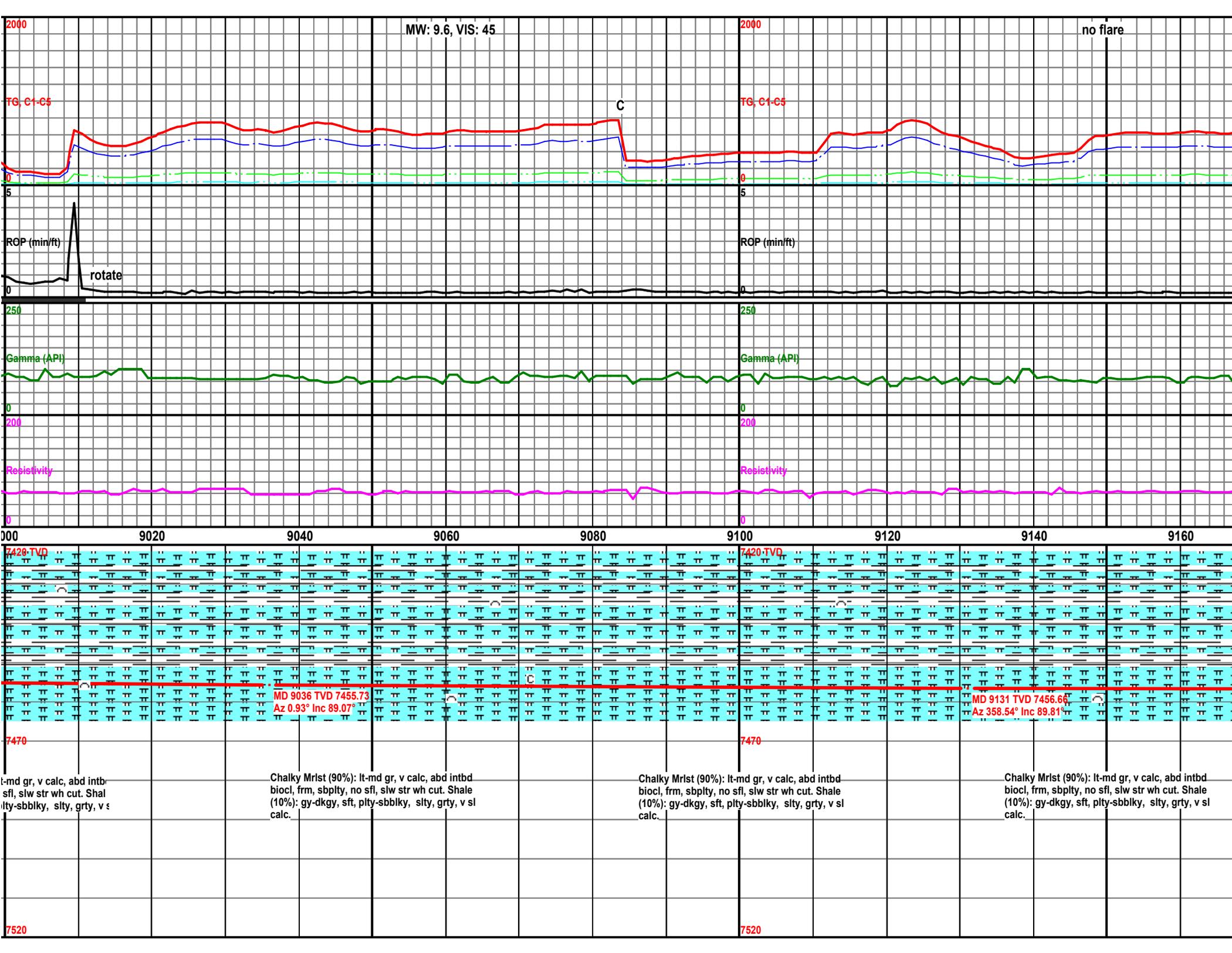
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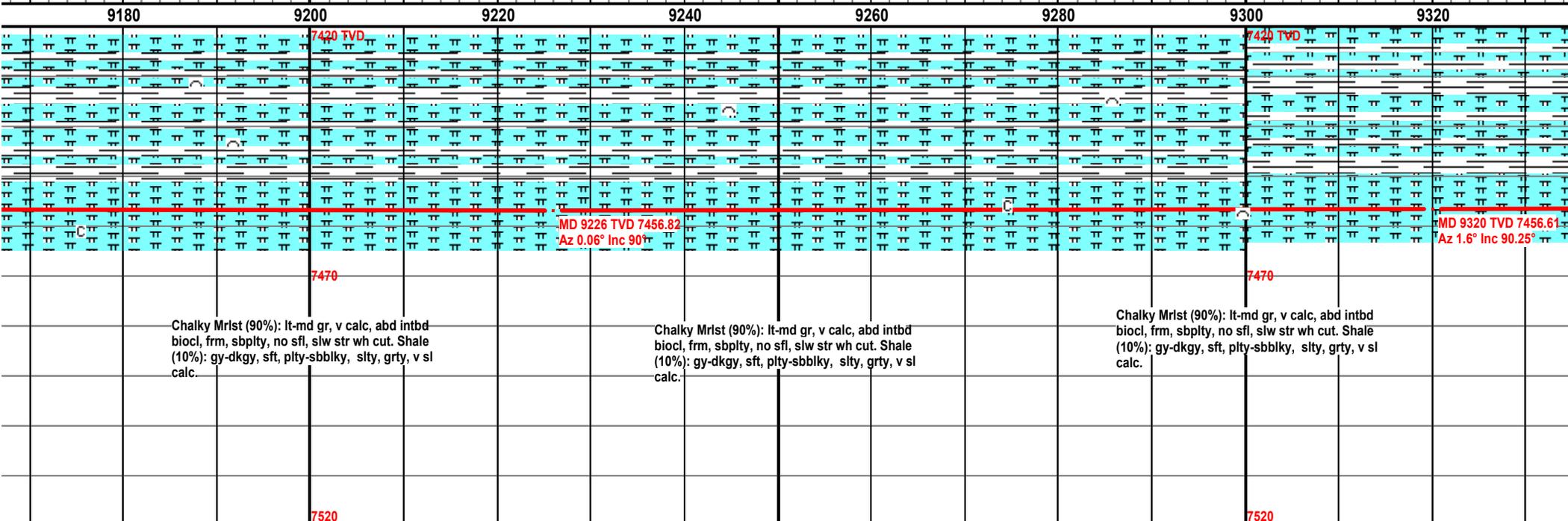
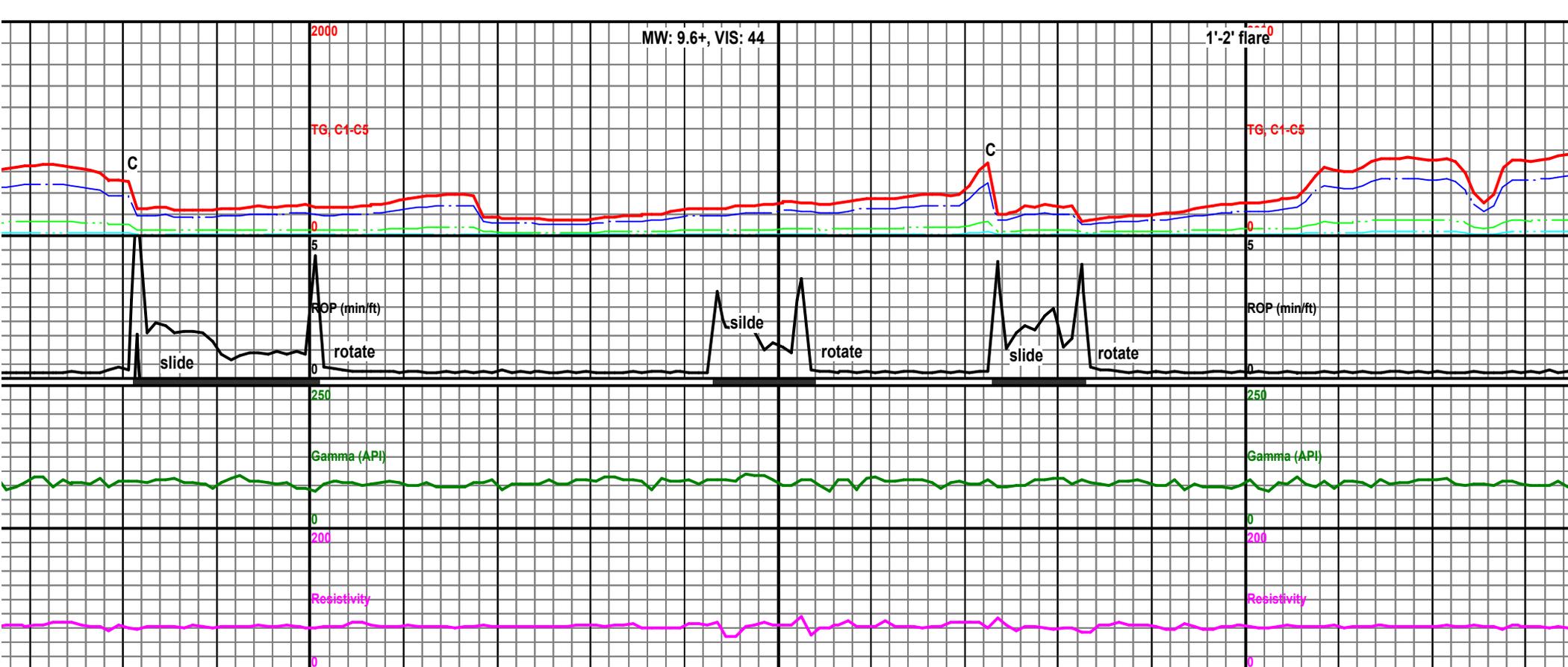
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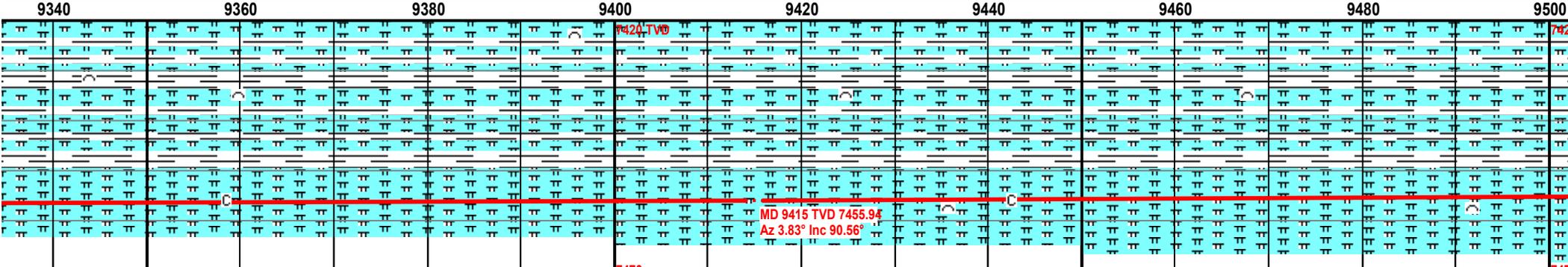
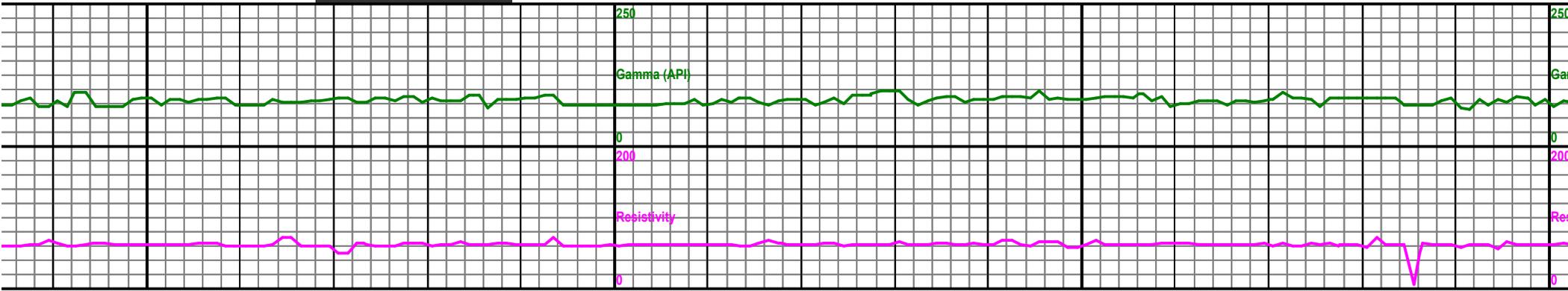
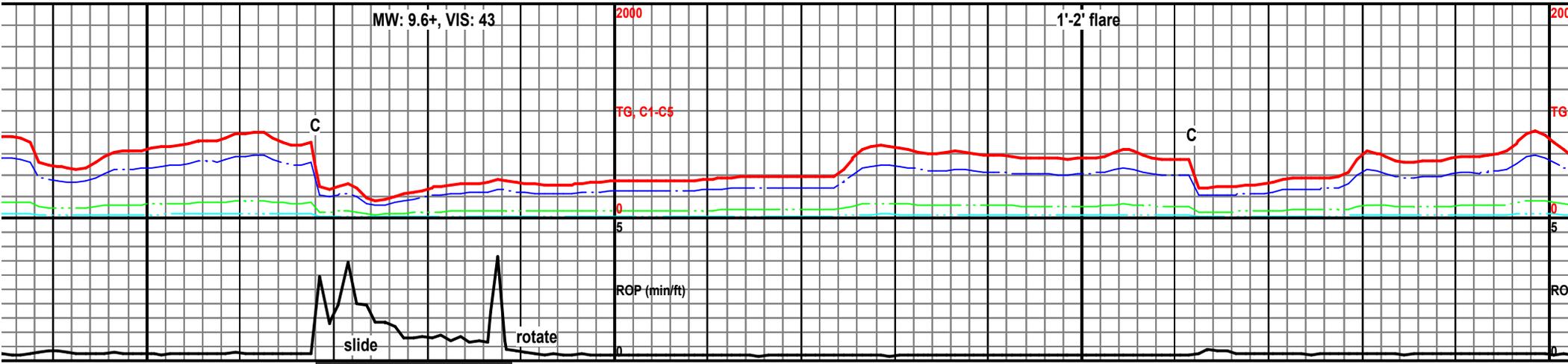
7520





MW: 9.6+, VIS: 43

1'-2' flare

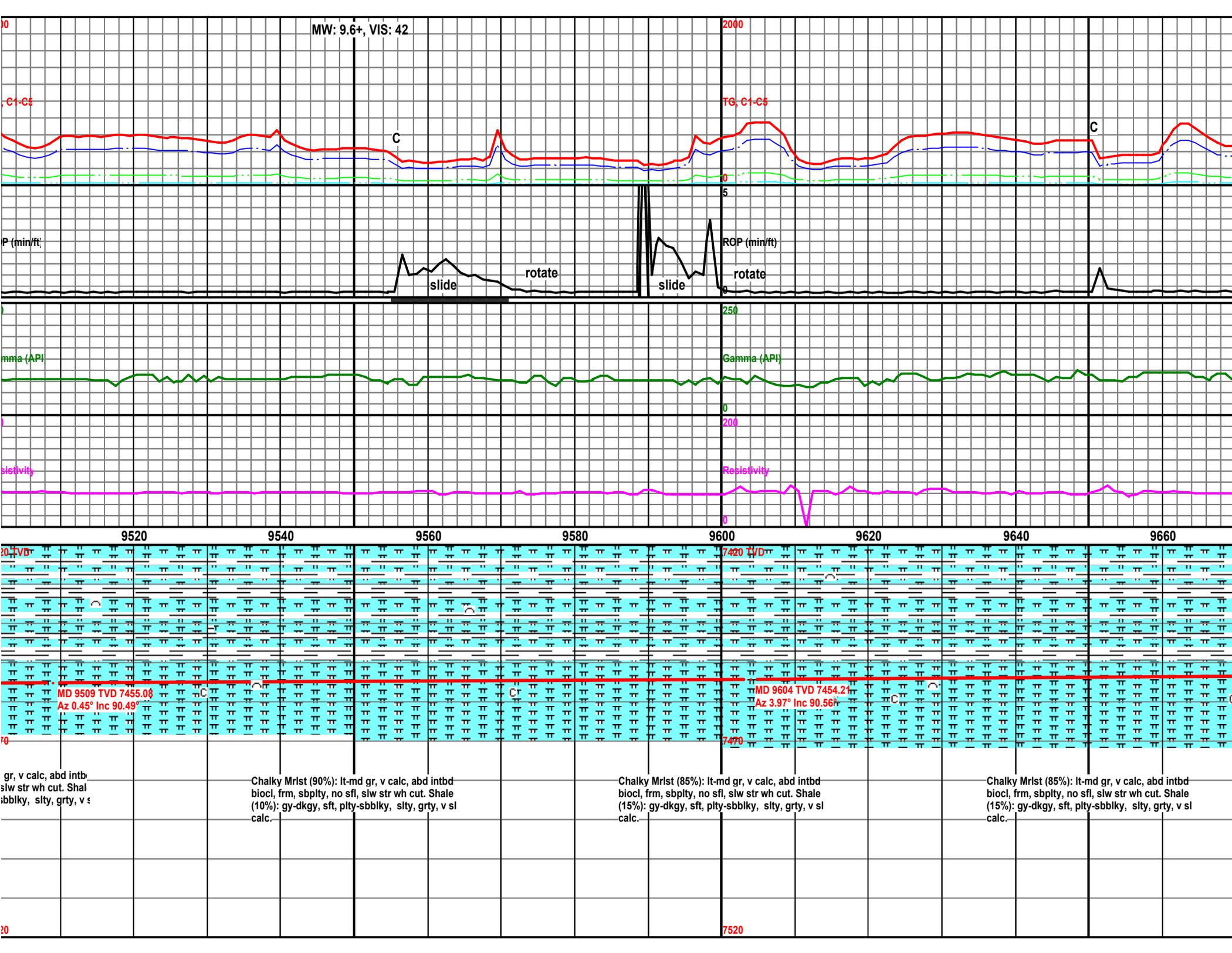


Chalky Mrst (90%): lt-md gr, v calc, abd intbd biocl, frm, sbply, no sfl, slw str wh cut. Shale (10%): gy-dkgy, sft, pity-sbbiky, sity, grty, v sl calc.

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Chalky Mrst (90%): lt-md biocl, frm, sbply, no sfl, slw str wh cut. Shale (10%): gy-dkgy, sft, pity-sbbiky, sity, grty, v sl calc.



MW: 9.6+, VIS: 42

2000

C1-C5

FG, C1-C5

C

C

P (min/ft)

ROP (min/ft)

slide

rotate

slide

rotate

Gamma (API)

Gamma (API)

Resistivity

Resistivity

9520

9540

9560

9580

9600

9620

9640

9660

7420 TVD

7420 TVD

MD 9509 TVD 7455.08  
Az 0.45° Inc 90.49°

MD 9604 TVD 7454.21  
Az 3.97° Inc 90.56°

gr, v calc, abd intbd  
slw str wh cut. Shal  
bbly, sity, grty, v s

Chalky Mrlst (90%): lt-md gr, v calc, abd intbd  
biocl, frm, sbply, no sfl, slw str wh cut. Shale  
(10%): gy-dkgy, sft, pty-sbbly, sity, grty, v sl  
calc.

Chalky Mrlst (85%): lt-md gr, v calc, abd intbd  
biocl, frm, sbply, no sfl, slw str wh cut. Shale  
(15%): gy-dkgy, sft, pty-sbbly, sity, grty, v sl  
calc.

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biocl, frm, sbply, no sfl, slw str wh cut. Shale  
(15%): gy-dkgy, sft, pty-sbbly, sity, grty, v sl  
calc.

7520

MW: 9.6, VIS: 45

2000

2000

TG, C1-C5

TG, C1-C5

C

ROP (min/ft)

ROP (min/ft)

slide

rotate

Gamma (API)

Gamma (API)

Resistivity

Resistivity

9680 9700 9720 9740 9760 9780 9800 9820

7428 TVD

7420 TVD

MD 9698 TVD 7453.14  
Az 2.3° Inc 90.74%

MD 9793 TVD 7453.55  
Az 1.61° Inc 88.76%

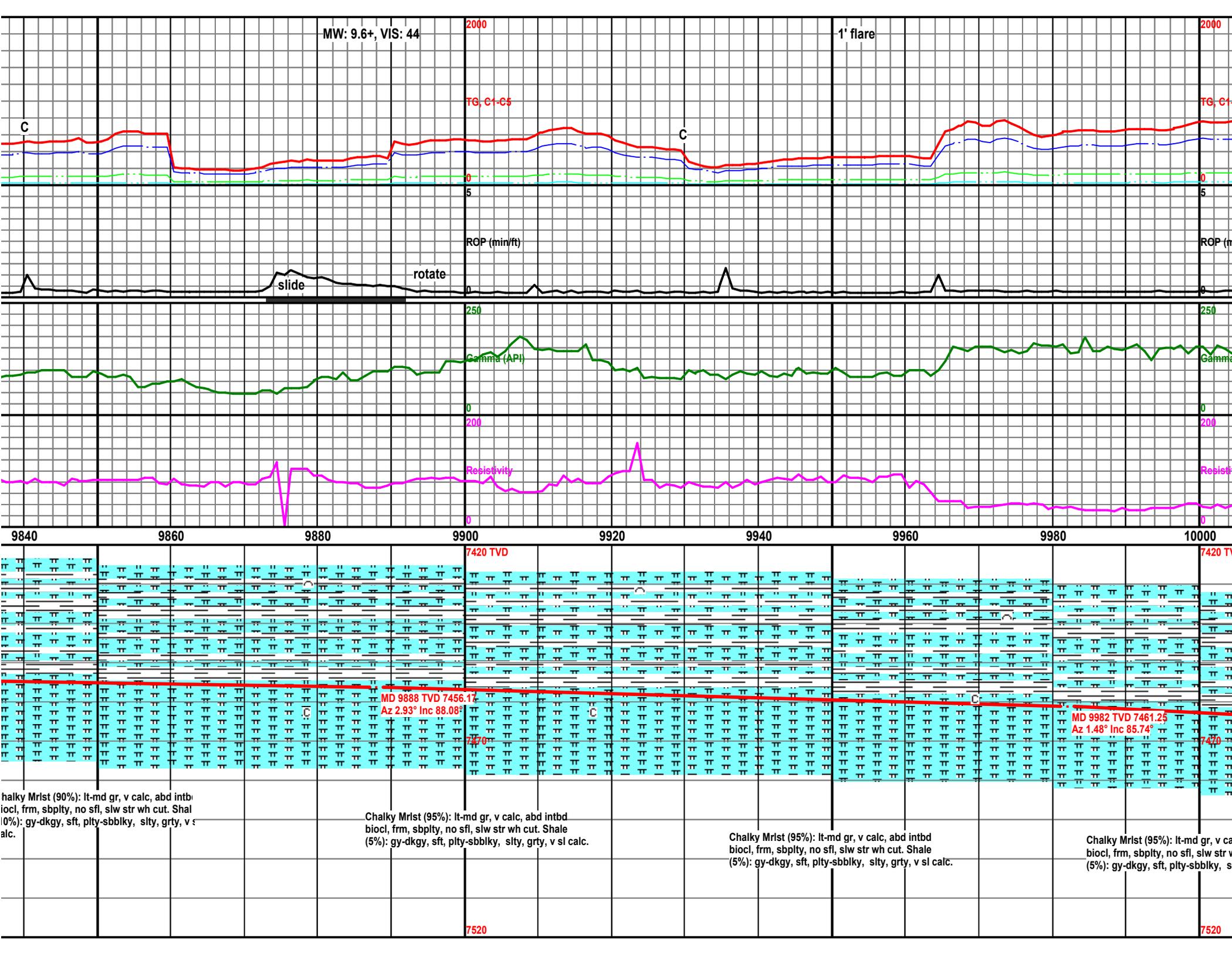
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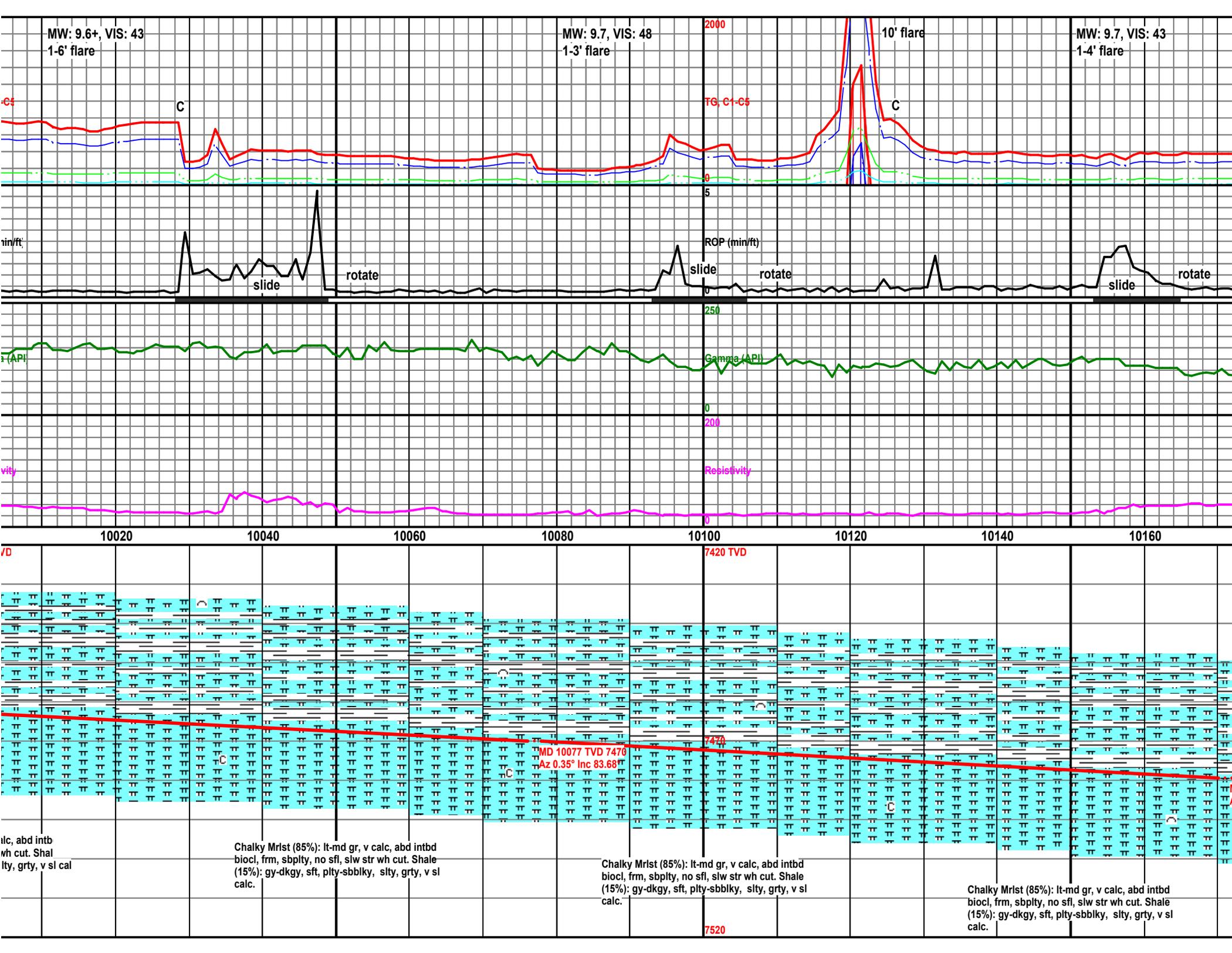
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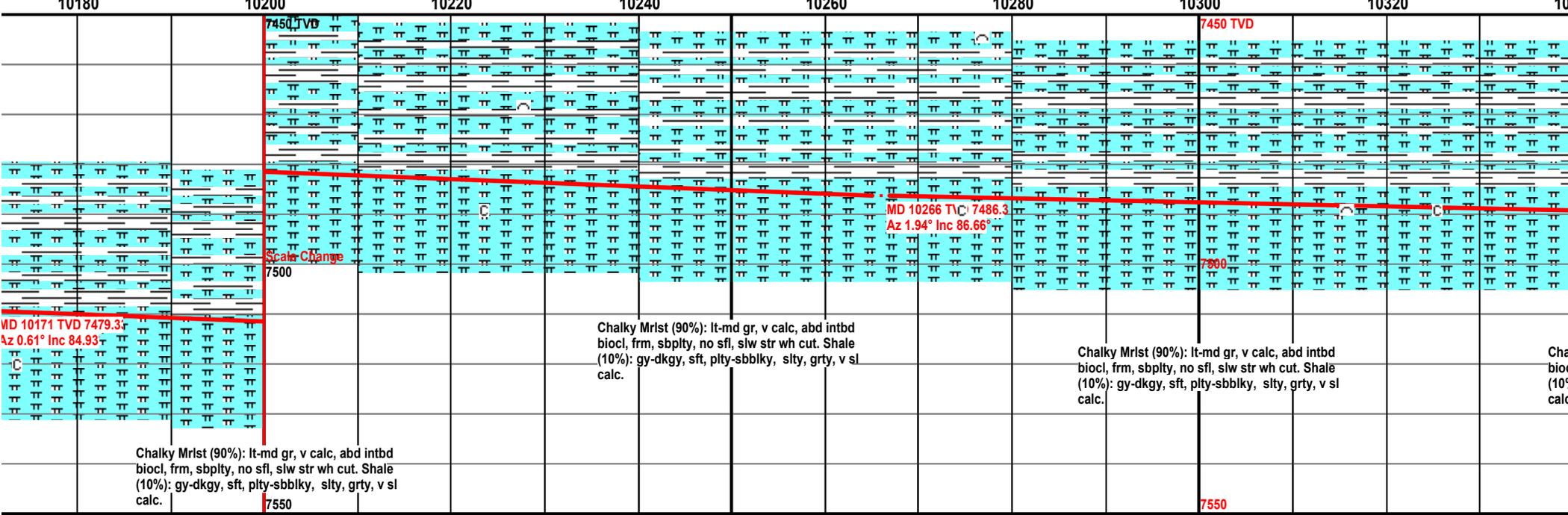
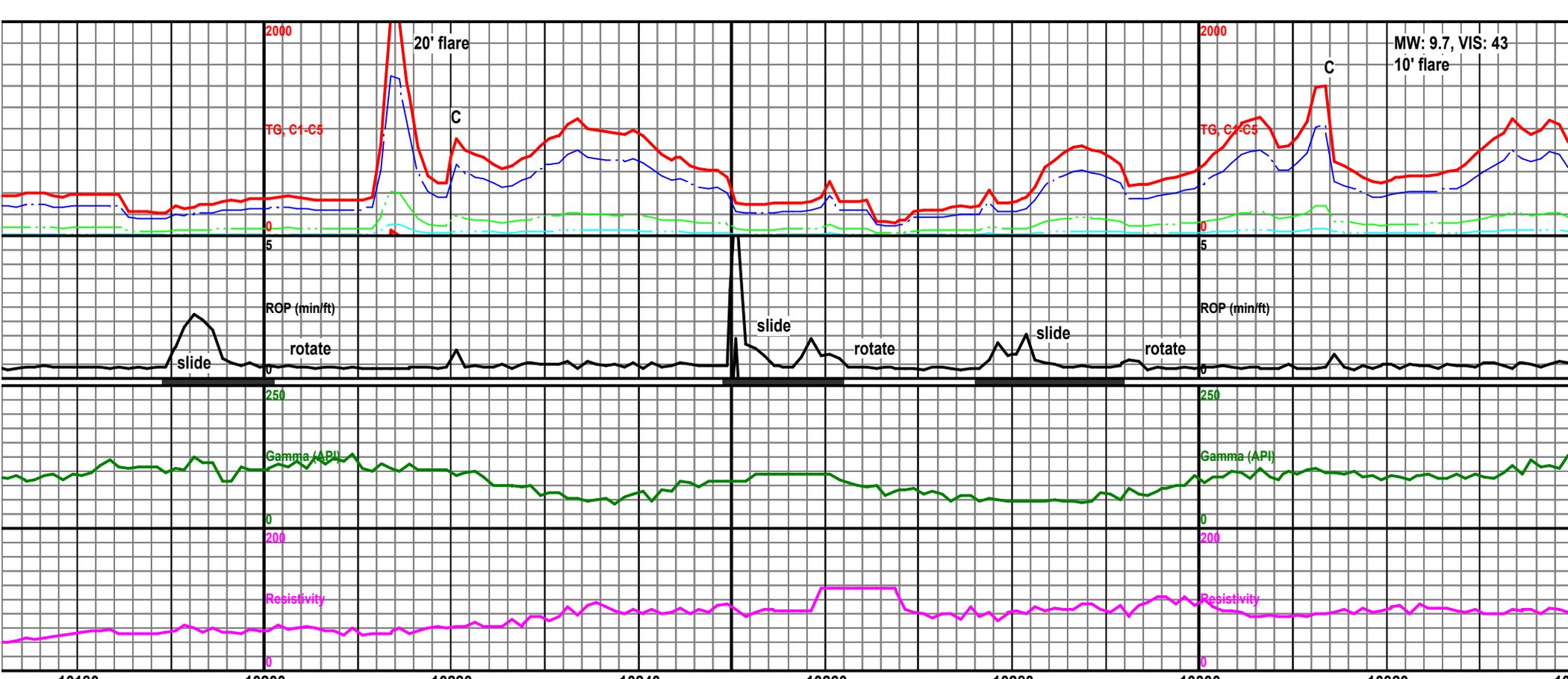
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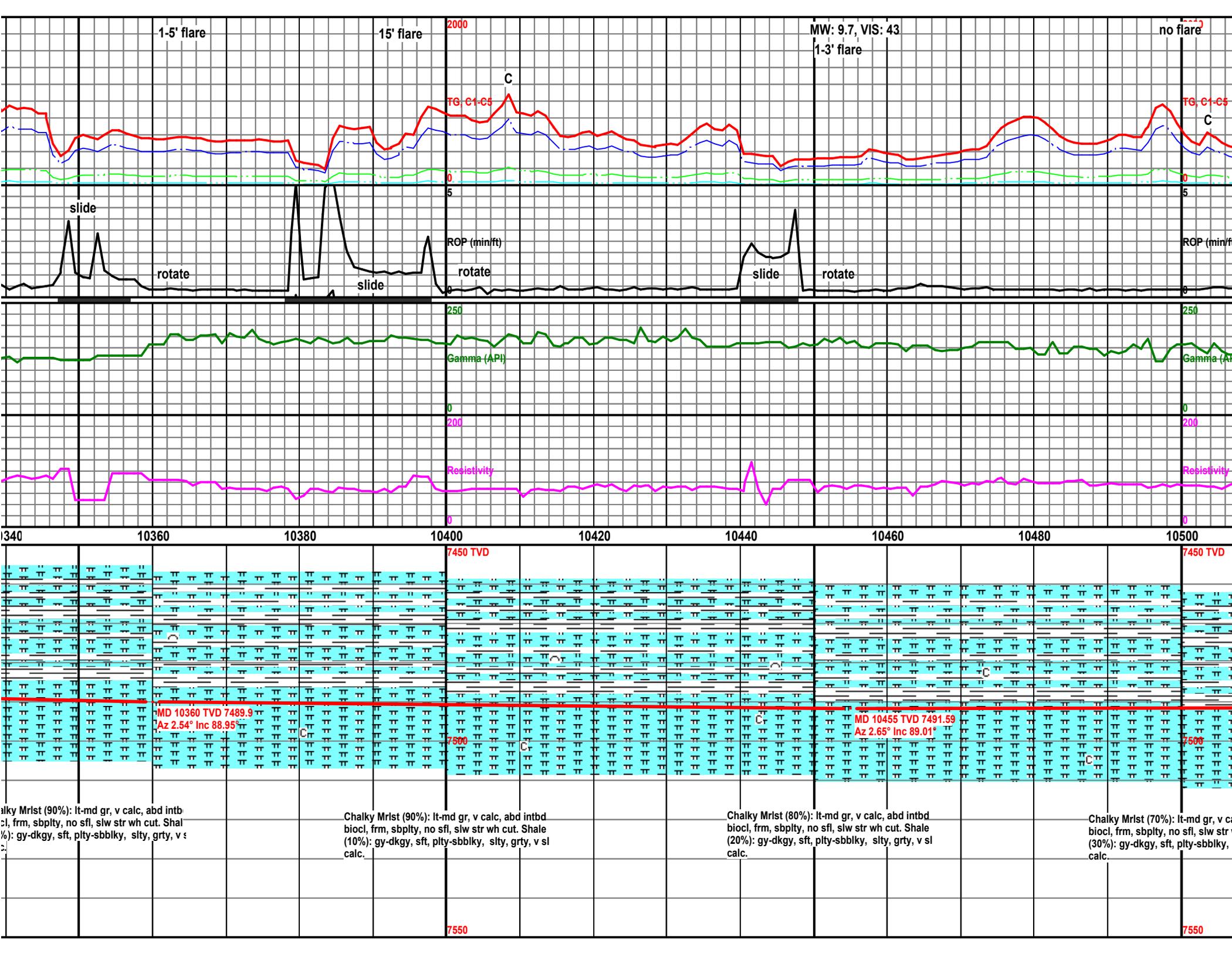
7520

7520





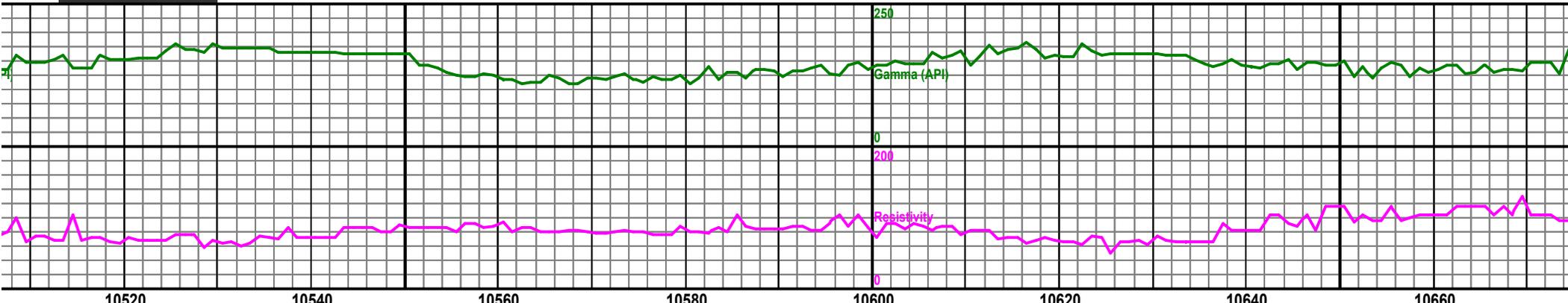
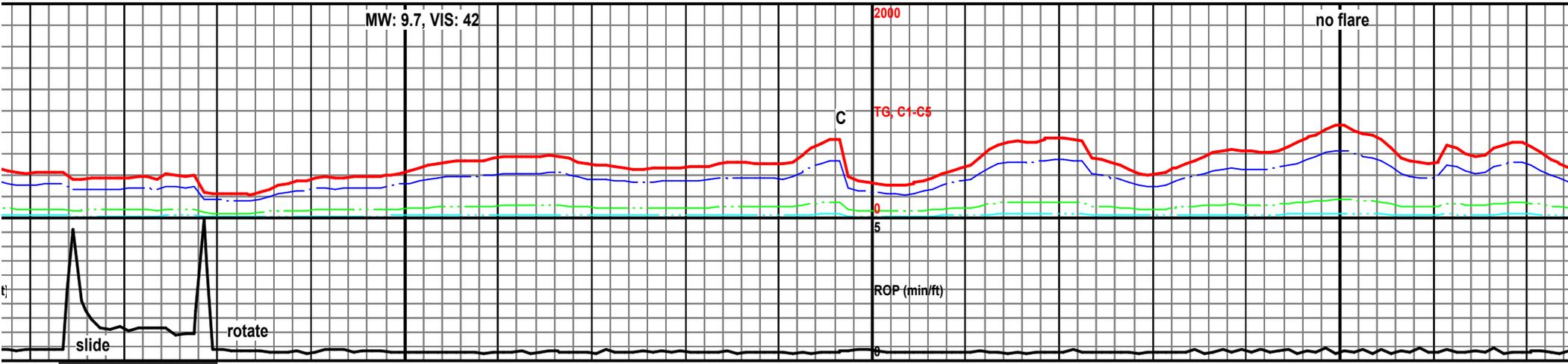




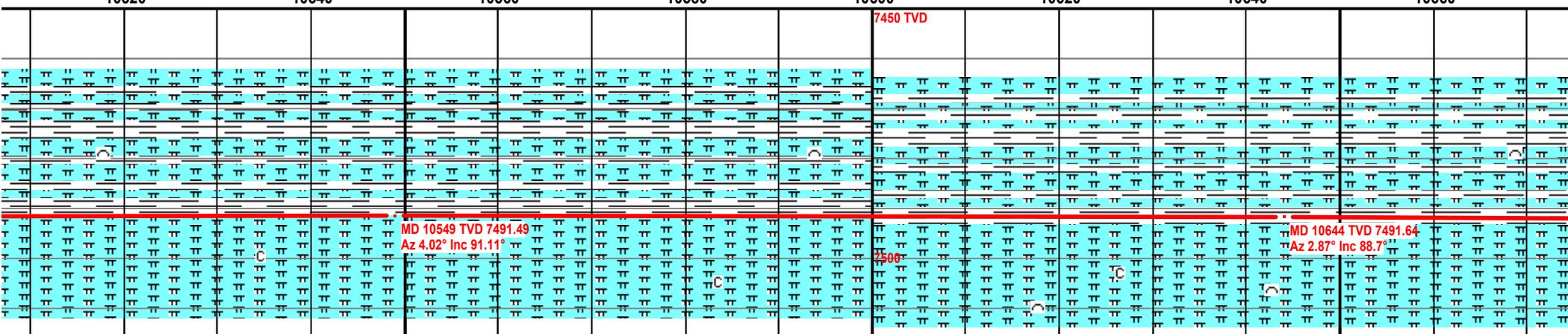
MW: 9.7, VIS: 42

2000

no flare



10520 10540 10560 10580 10600 10620 10640 10660



7450 TVD

MD 10549 TVD 7491.49  
Az 4.02° Inc 91.11°

MD 10644 TVD 7491.64  
Az 2.87° Inc 88.7°

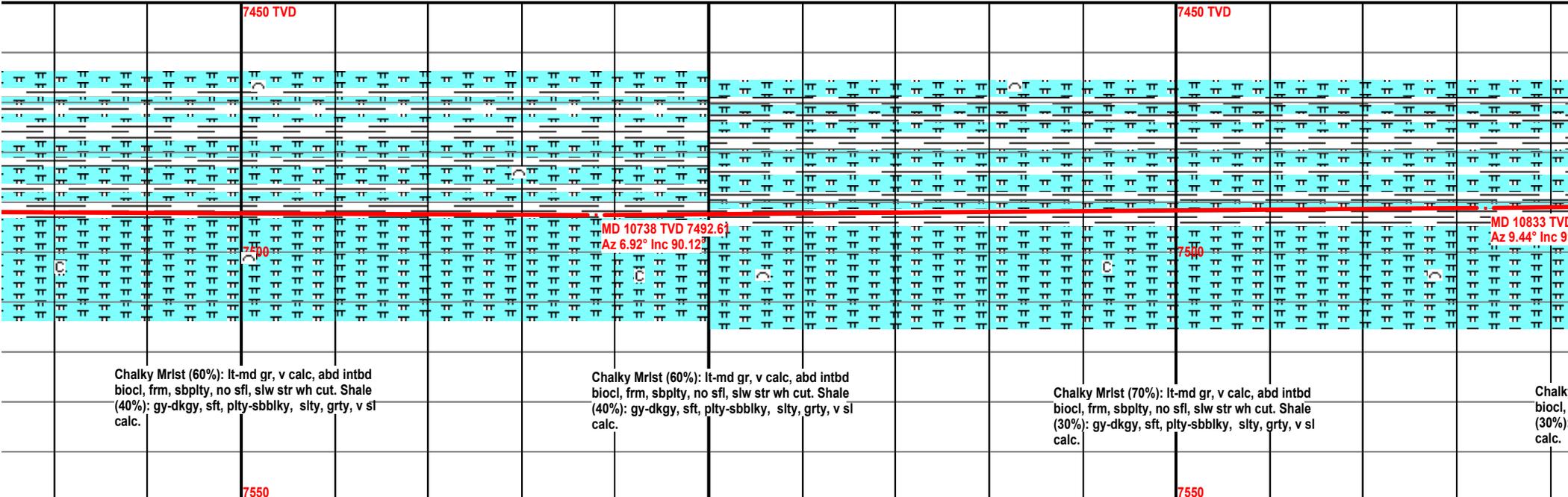
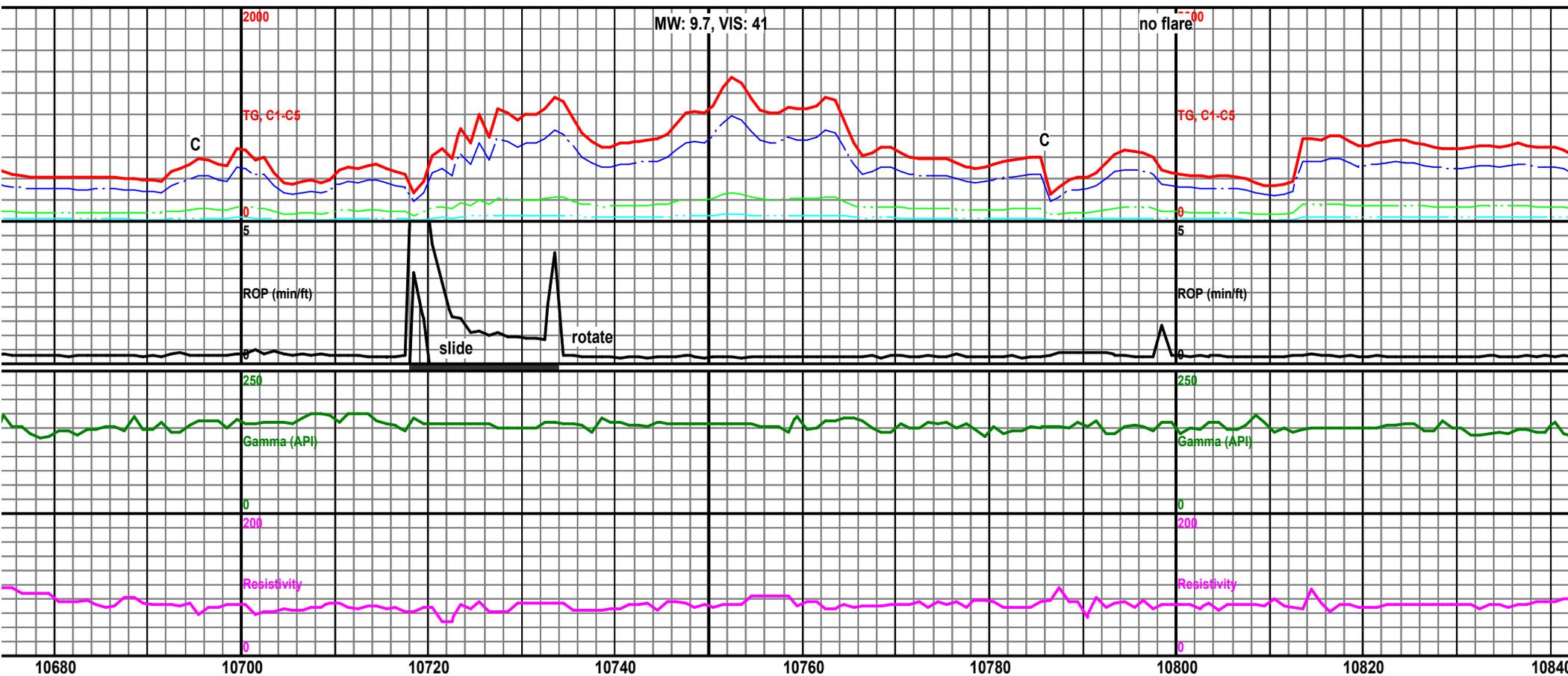
alc, abd intb  
wh cut. Shal  
sity, grty, v s

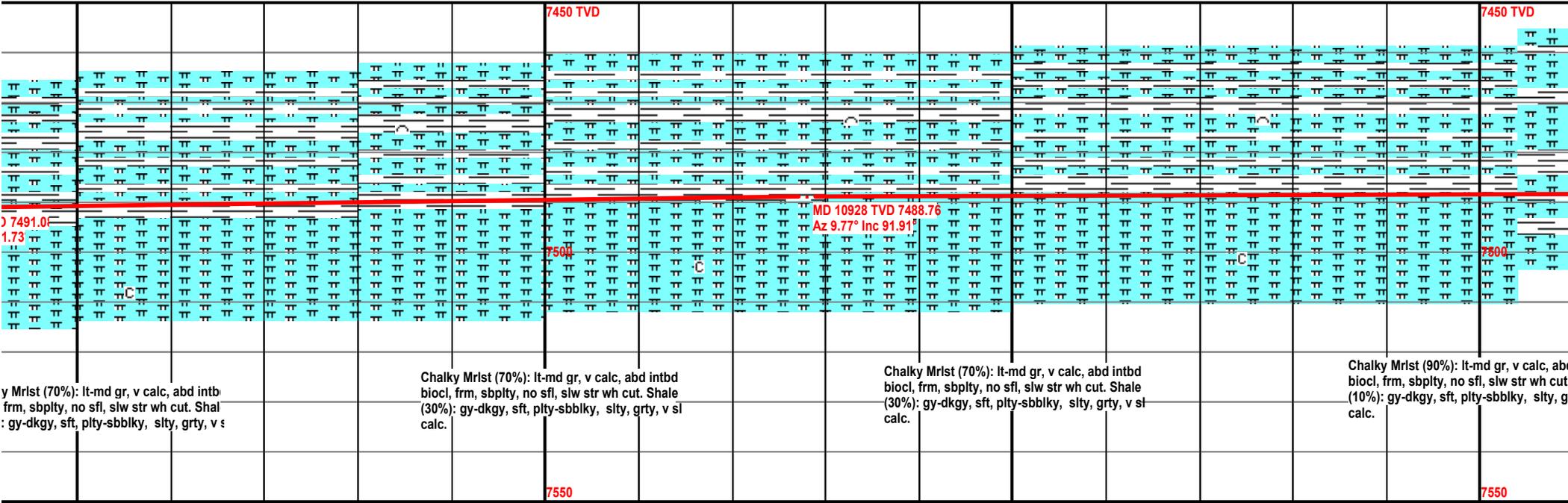
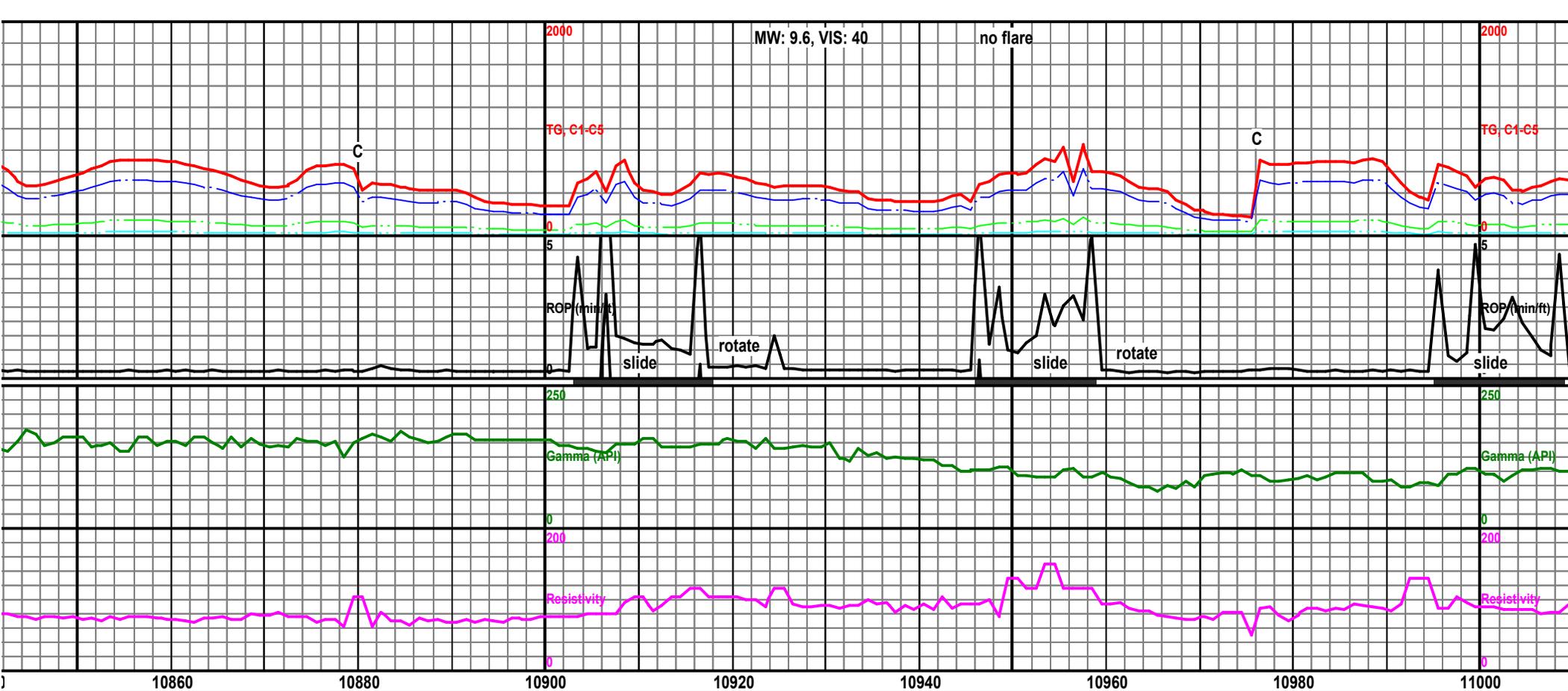
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calc.

Chalky Mrlst (60%): lt-md gr, v calc, abd intbd  
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biocl, frm, sbply, no sfl, slw str wh cut. Shale  
(40%): gy-dkgy, sft, pty-sbbly, sity, grty, v sl  
calc.

7550

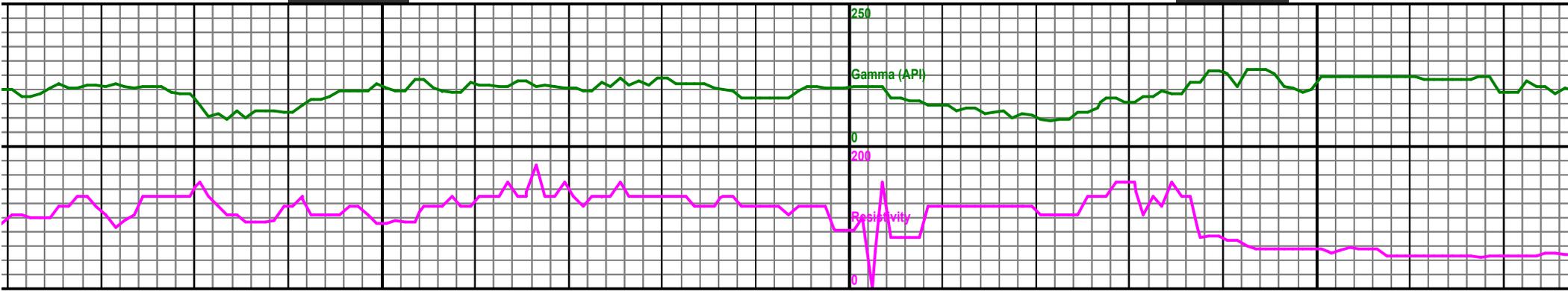
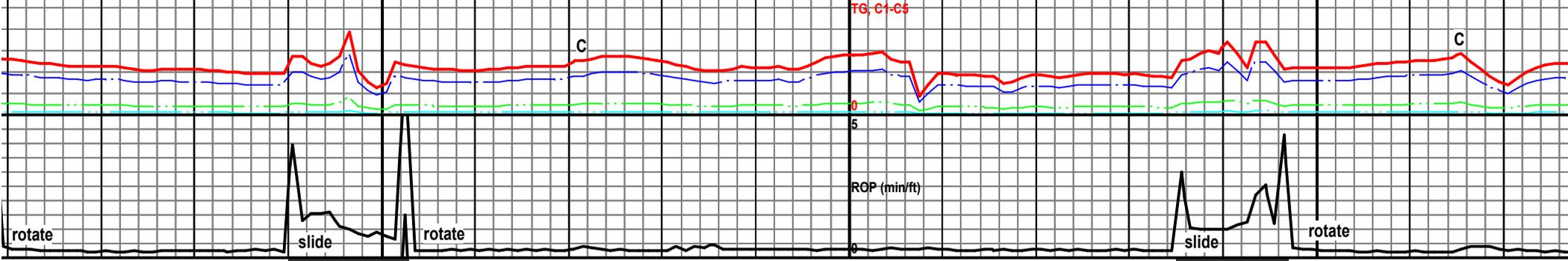




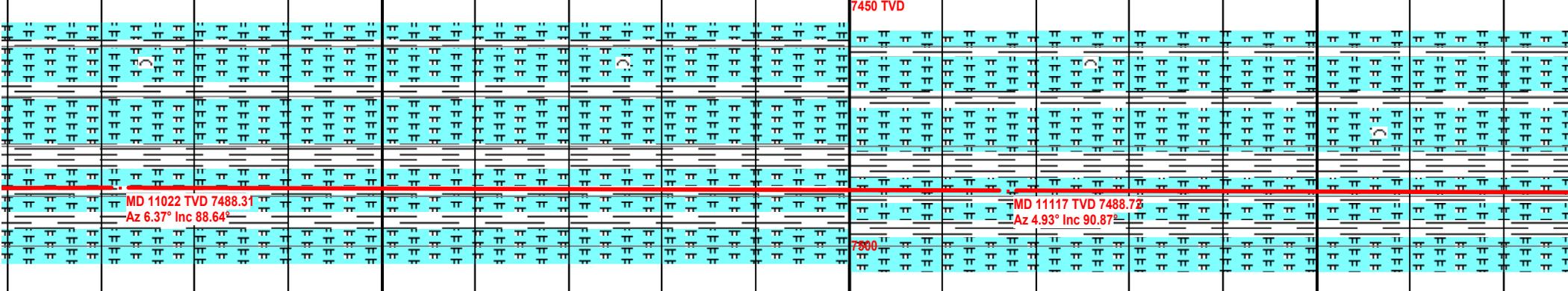
MW: 9.5+, VIS: 40

1'-5' flare

MW: 9.6, VIS: 41



11020 11040 11060 11080 11100 11120 11140 11160



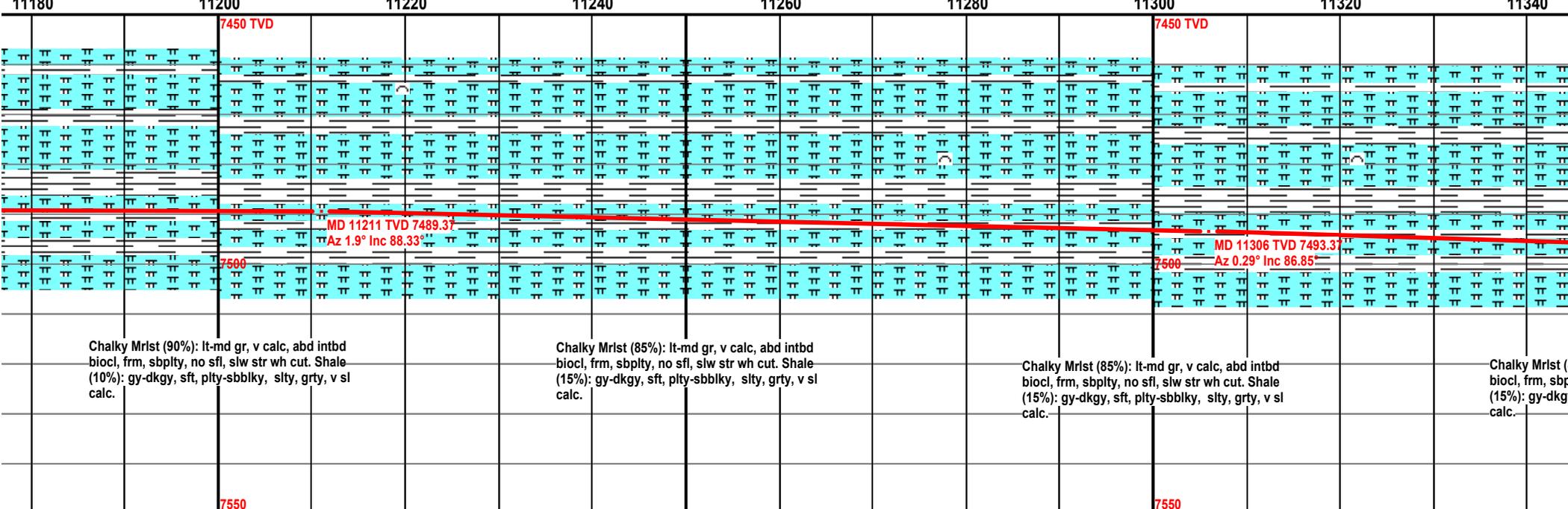
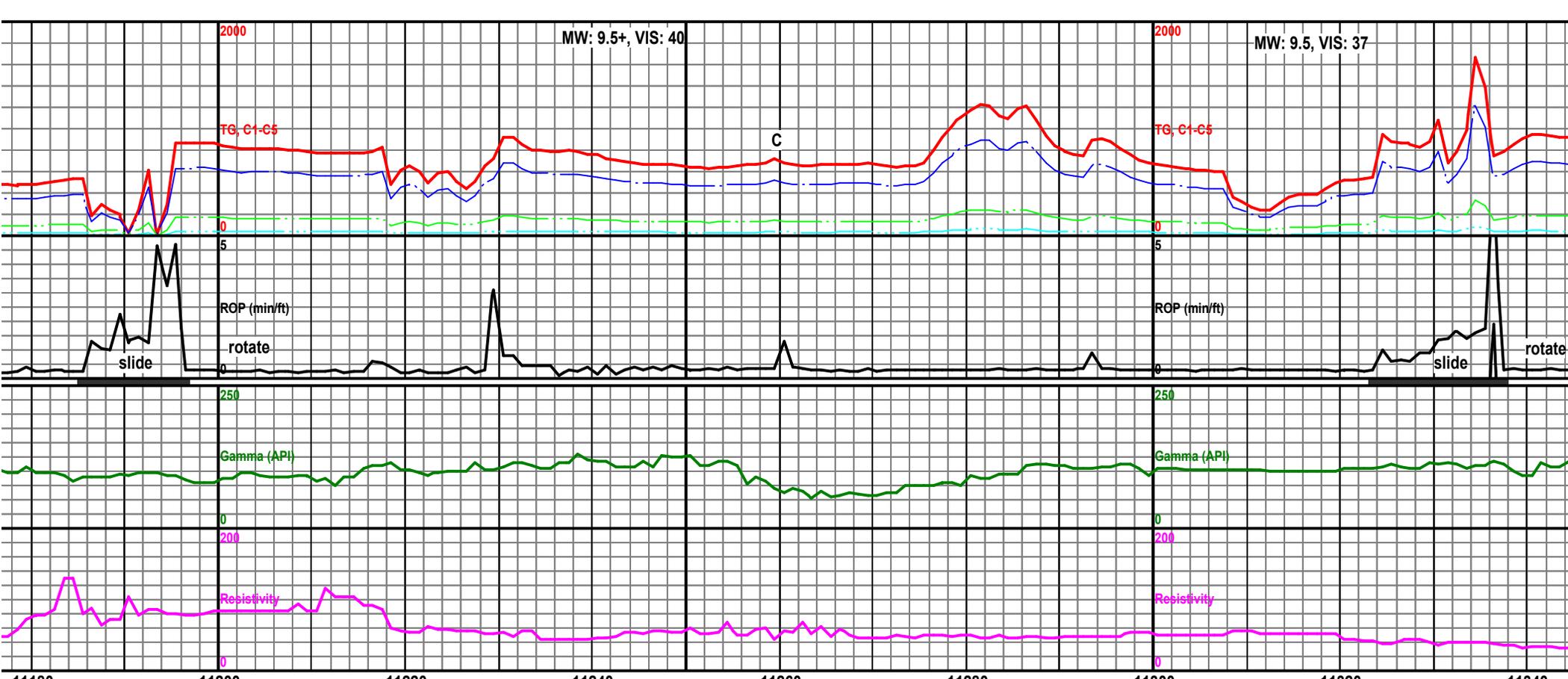
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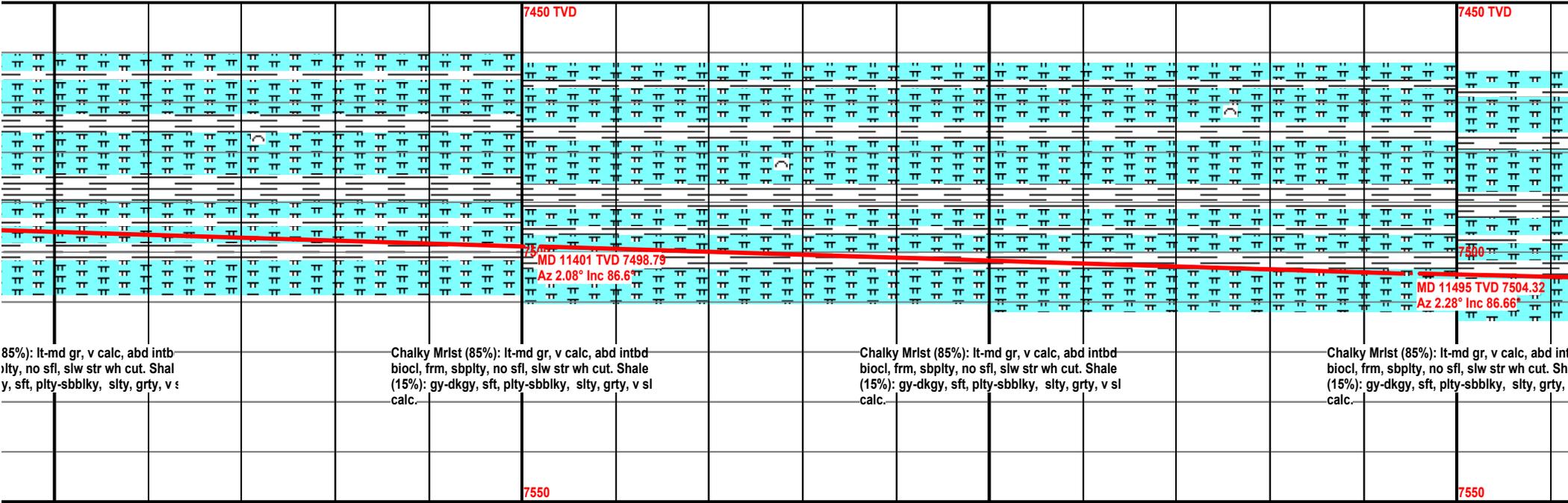
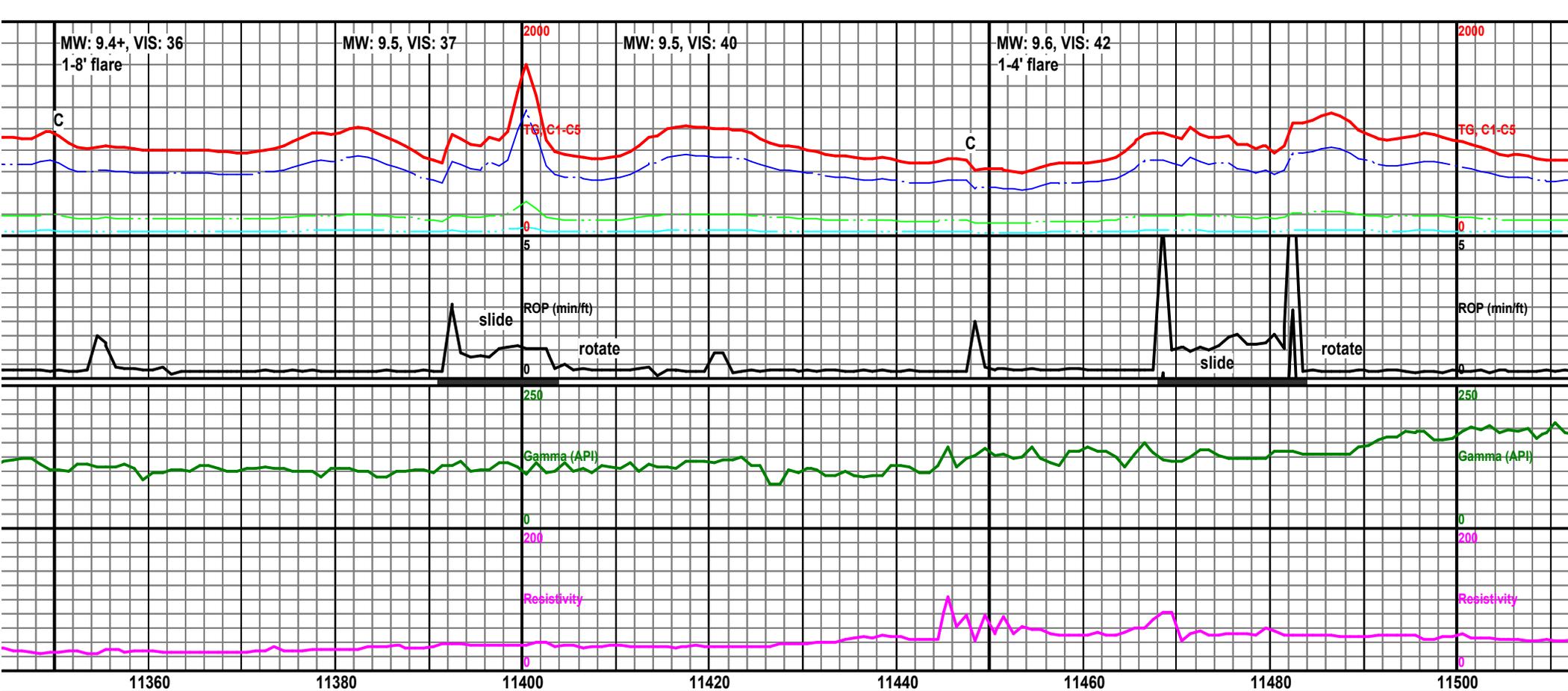
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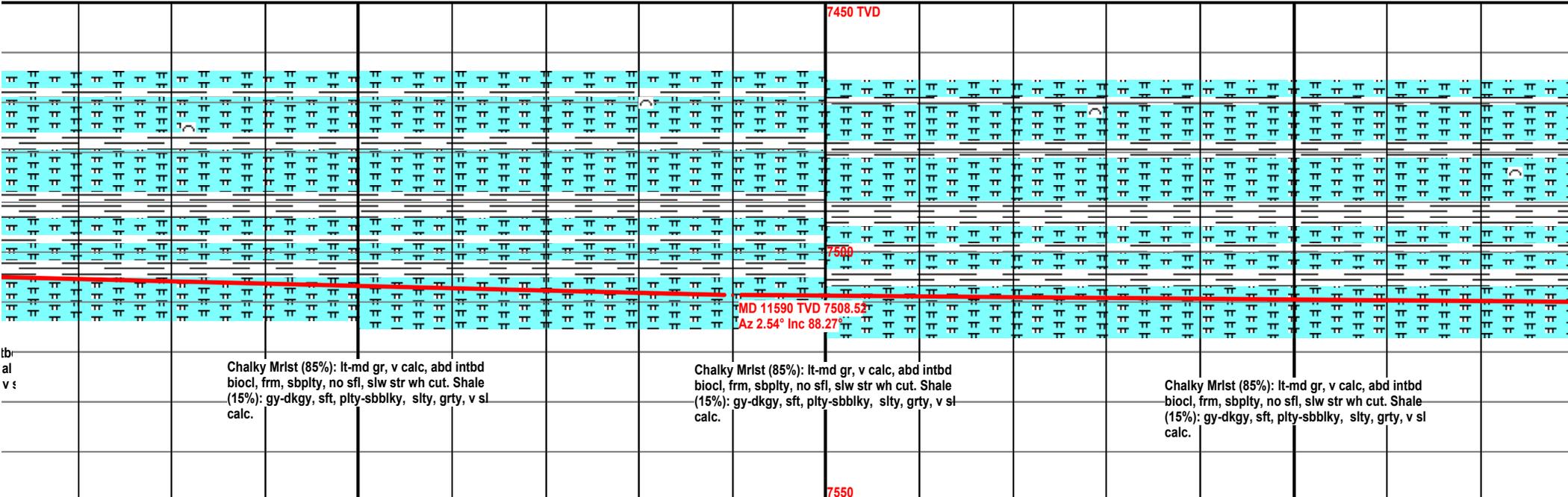
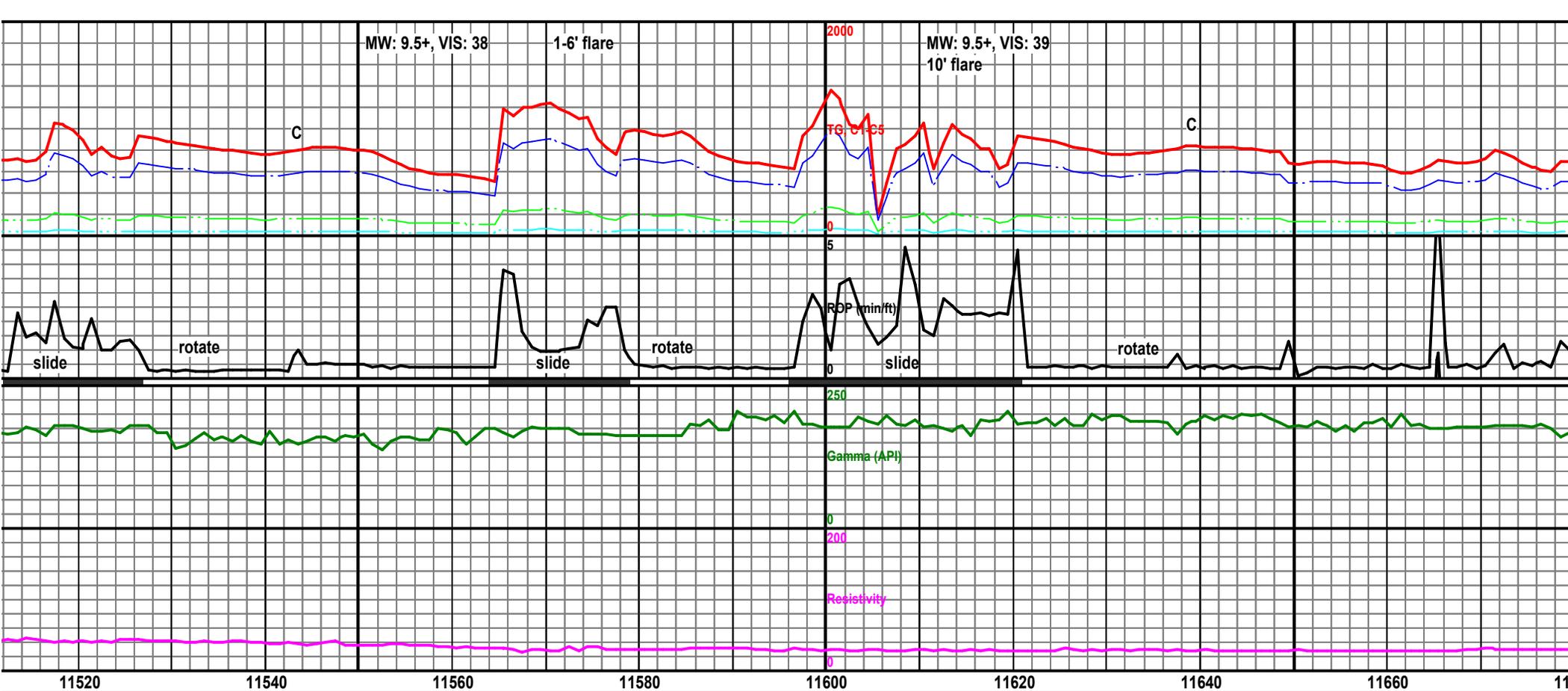
Chalky Mrlst (90%): lt-md gr, v calc, abd intbd biocl, frm, sbppty, no sfl, slw str wh cut. Shale (10%): gy-dkgy, sft, pty-sbbkly, slty, grty, v sl calc.

d intb  
.Shal  
rty, v s

7550







MW: 9.5+, VIS: 39

