



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

Well Name: Nichols 1N-5HZ

Location: Weld County, CO

License Number: 05-123-35877

Spud Date: 12/28/12

Surface Coordinates: 2493' FNL, 578' FEL

Sec 8, T2N, R65W

Bottom Hole Coordinates: 460' FNL, 700' FEL  
Sec 15, T2N, R65W

Ground Elevation (m): 4893'

Logged Interval (m): 7200' To: 14151'

Formation: Niobrara B, C

Type of Drilling Fluid: Water Based Mud

Region: DJ Basin

Drilling Completed: 1/4/13

K.B. Elevation (m): 4910'

Total Depth (m): 14151'

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

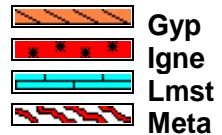
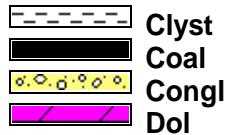
1099 18th St., Suite 1800

Denver, CO 80202

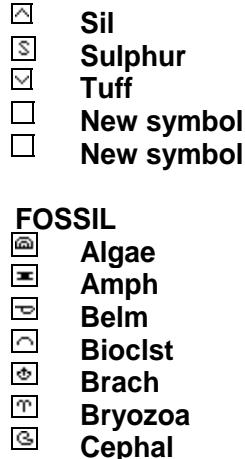
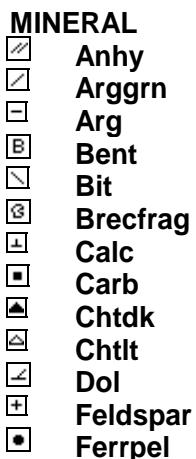
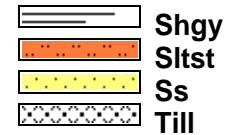
# GEOLOGIST

Name: Justin Robbins / Justin Graf  
 Company: Great Divide Consulting, Inc.  
 Address: P.O. Box 630263  
 Highlands Ranch, CO 80163

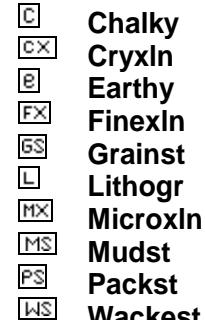
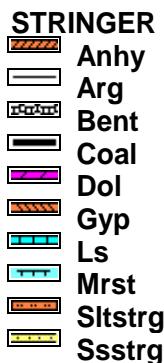
## Comments



## ROCK TYPES

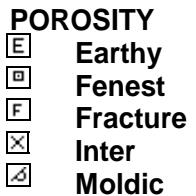


## ACCESSORIES

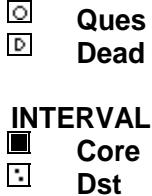
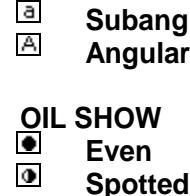


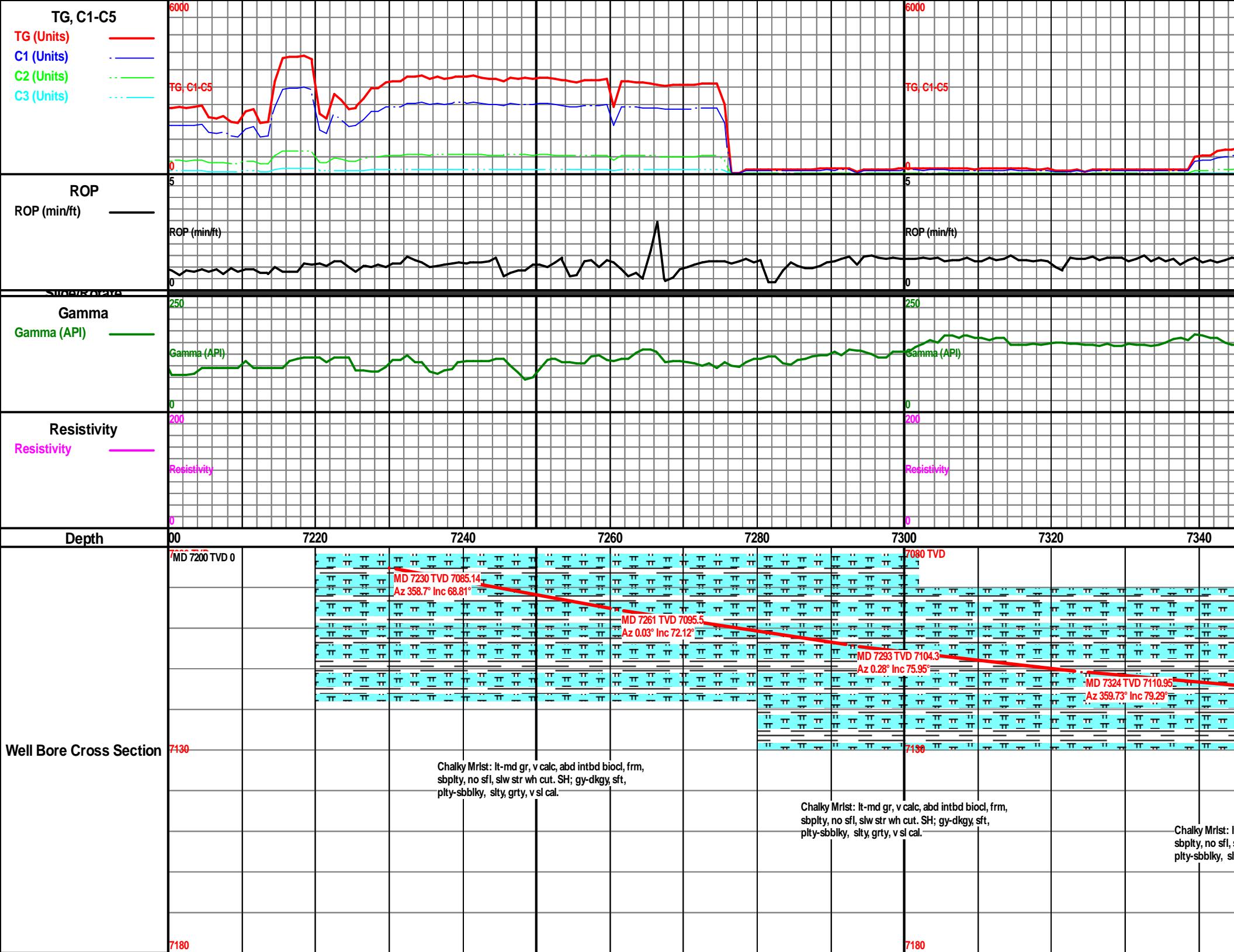
## TEXTURE

BS Boundstone



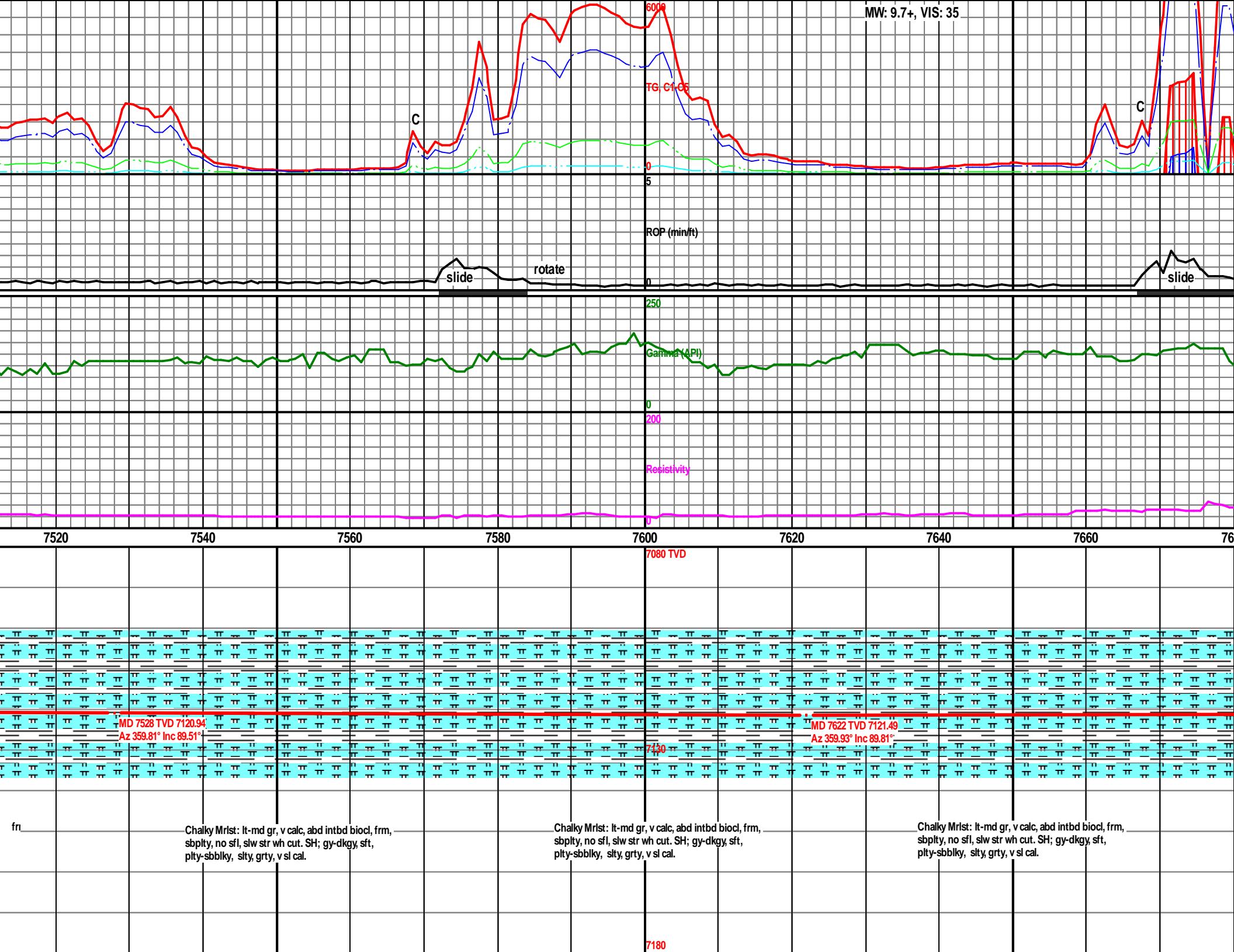
## OTHER SYMBOLS

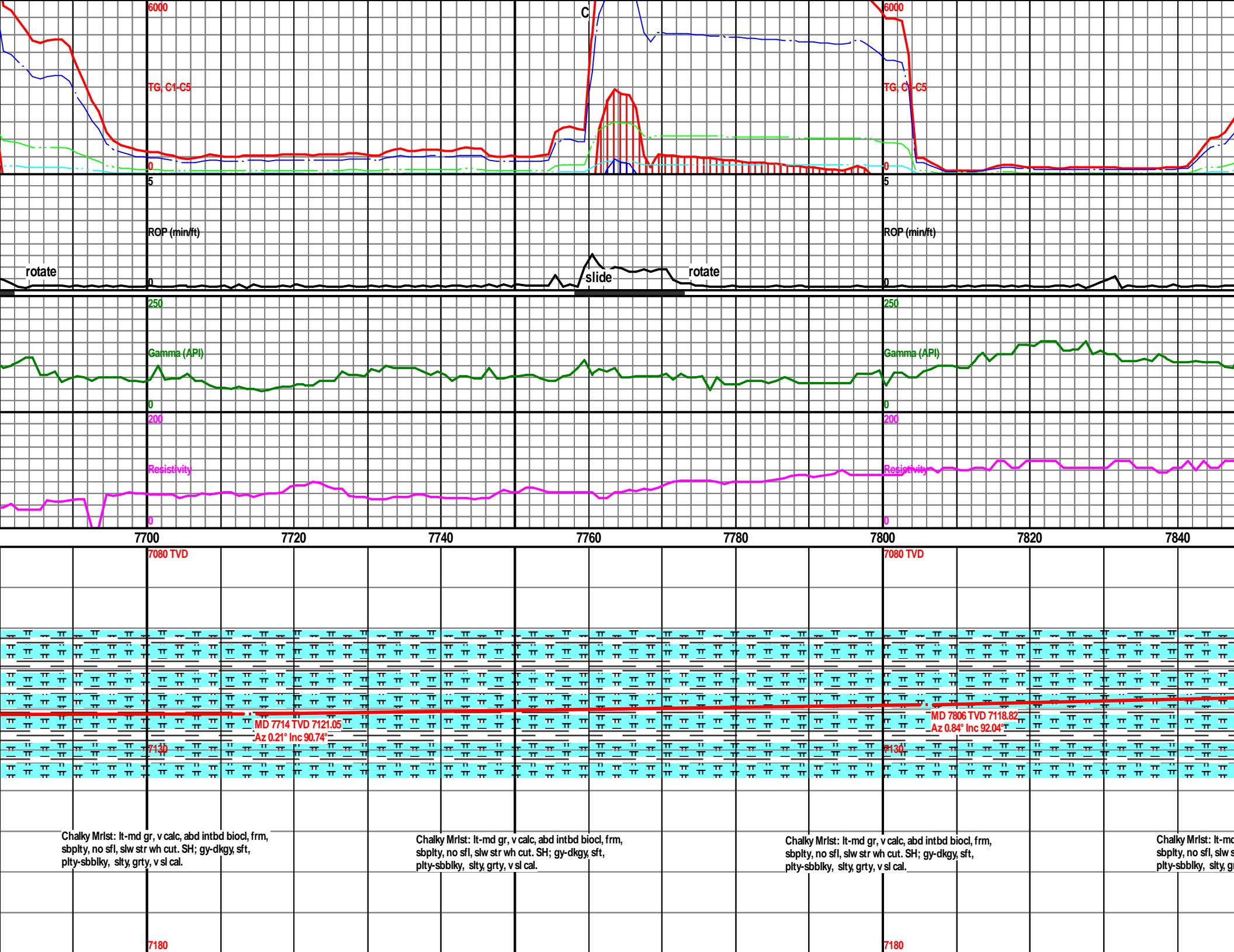


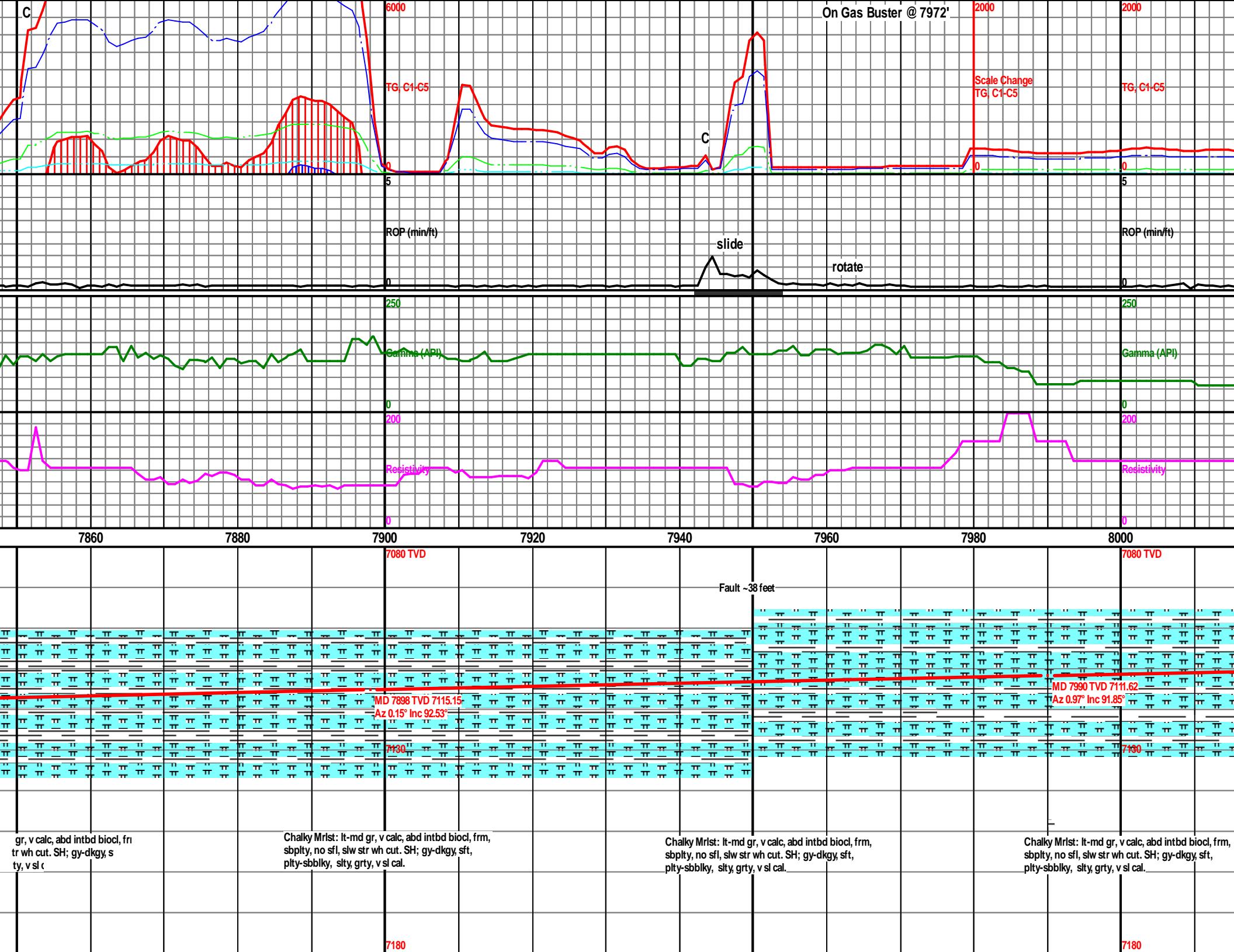




MW: 9.7+, VIS: 35

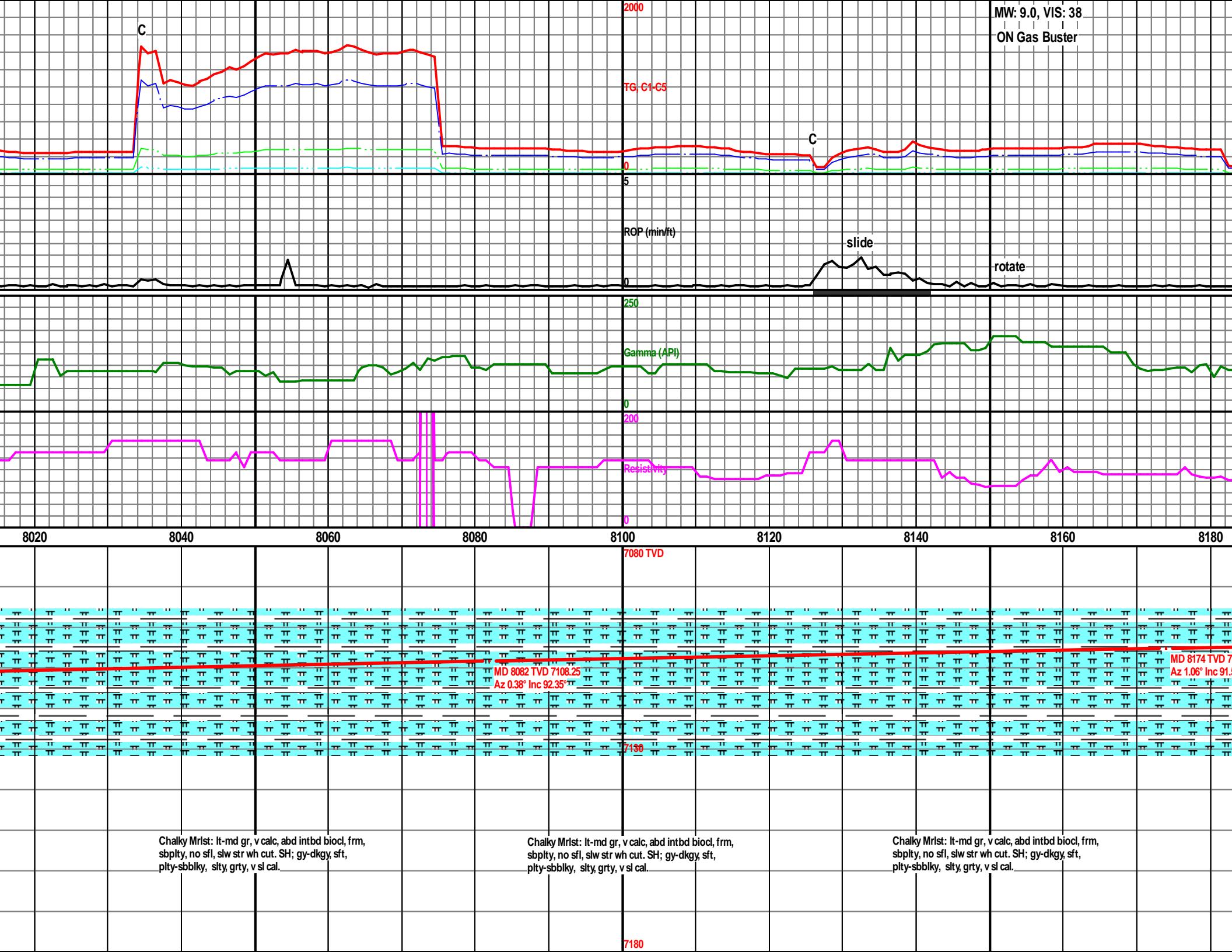


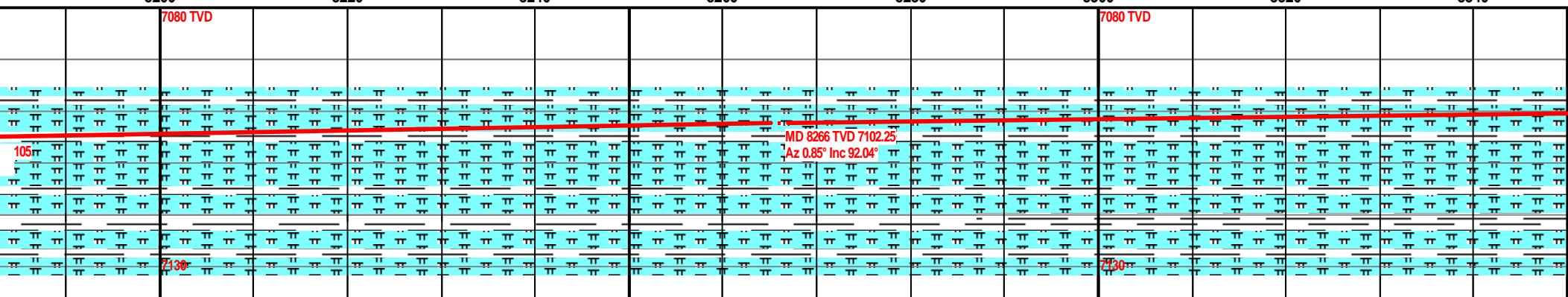
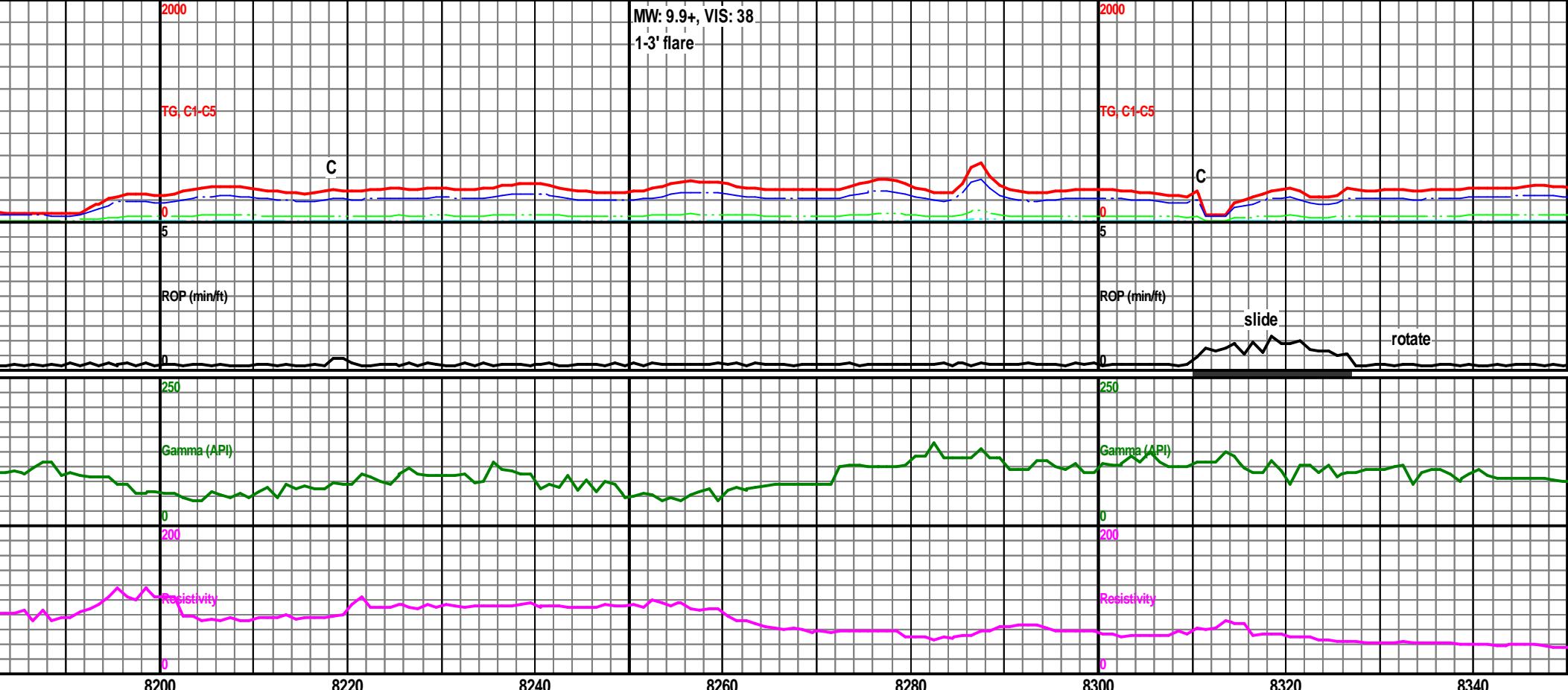




MW: 9.0, VIS: 38

ON Gas Buster





Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm, sbptry, no sfl, slw str wh cut. SH; gy-dkgy, sft, pty-sbbly, sity, grty, v sl cal.

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm, sbptry, no sfl, slw str wh cut. SH; gy-dkgy, sft, pty-sbbly, sity, grty, v sl cal.

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Chalky Mrlst: lt-md gr, v sbptry, no sfl, slw str wh cut. SH; gy-dkgy, sft, pty-sbbly, sity, grty, v sl cal.

7180

7180

MW: 9.9, VIS: 37

ON Gas Buster

2000 1' flare

2000

MW: 9.9, V

TG-C1-C5

TG-C1-C5

C

C

0

0

5

5

ROP (min/ft)

ROP (min/ft)

250

250

Gamma (API)

Gamma (API)

0

0

200

200

Resistivity

Resistivity

0

0

8360

8380

7080 TVD

8400 8420 8440 8460 8480 8500

7080 TVD

MD 8357 TVD 7100.24

MD 8449 TVD 7099.55

Az 0.91° Inc 90.49°

Az 0.9° Inc 90.3°

7130

7130

calc, abd intbd biocl, fri  
cut. SH; gy-dkgy, s  
I c

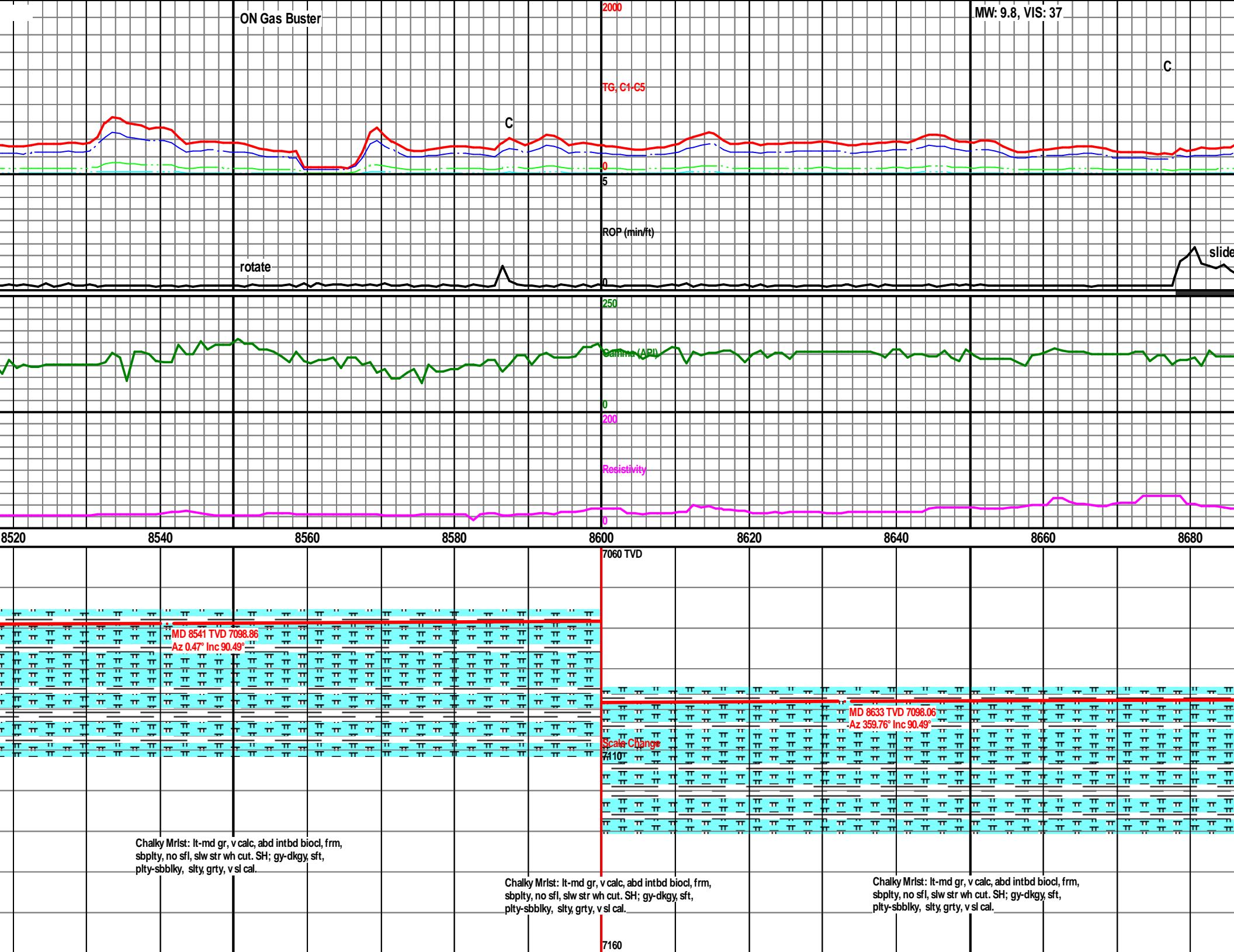
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sbplty, no sfl, slw str wh cut. SH; gy-dkgy, sft,  
plty-sbbly, sly, grty, v sl cal.

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm,  
sbplty, no sfl, slw str wh cut. SH; gy-dkgy, sft,  
plty-sbbly, sly, grty, v sl cal.

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plty-sbbly, sly, grty, v sl cal.

7180

7180



2000

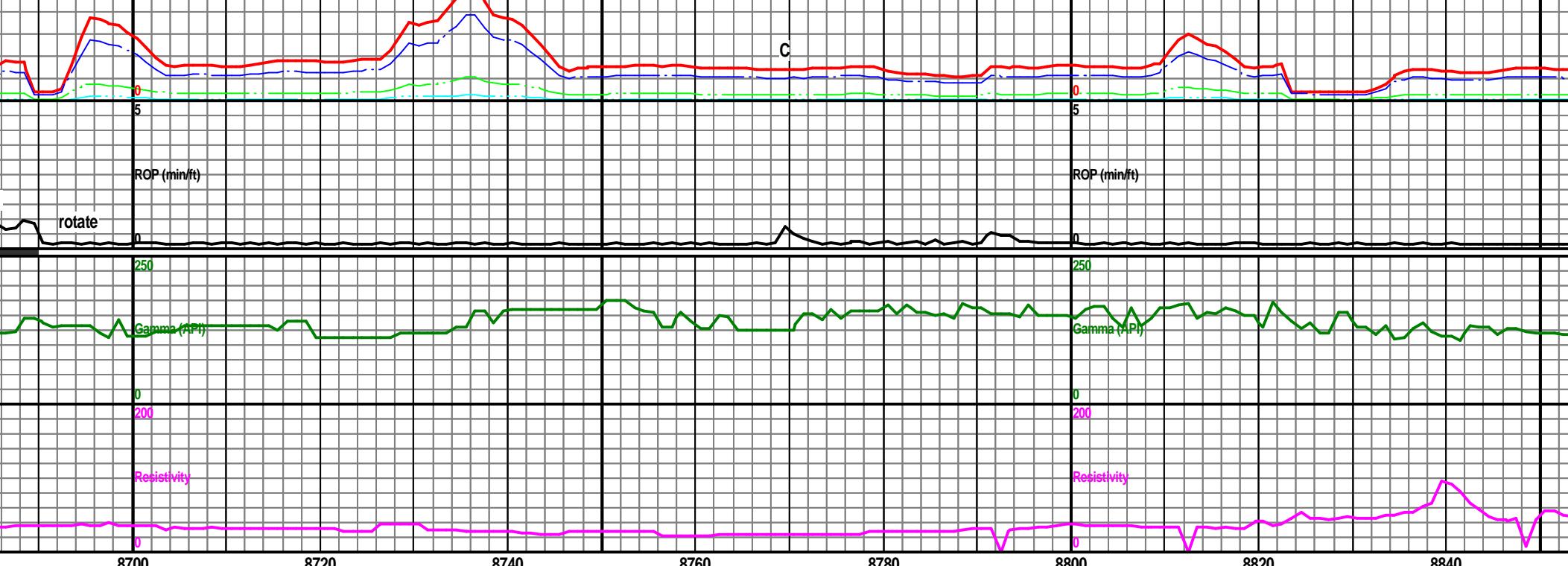
MW: 9.8, VIS: 37  
ON Gas Buster

1' fl

TG, C1-C5

C

TG, C1-C5



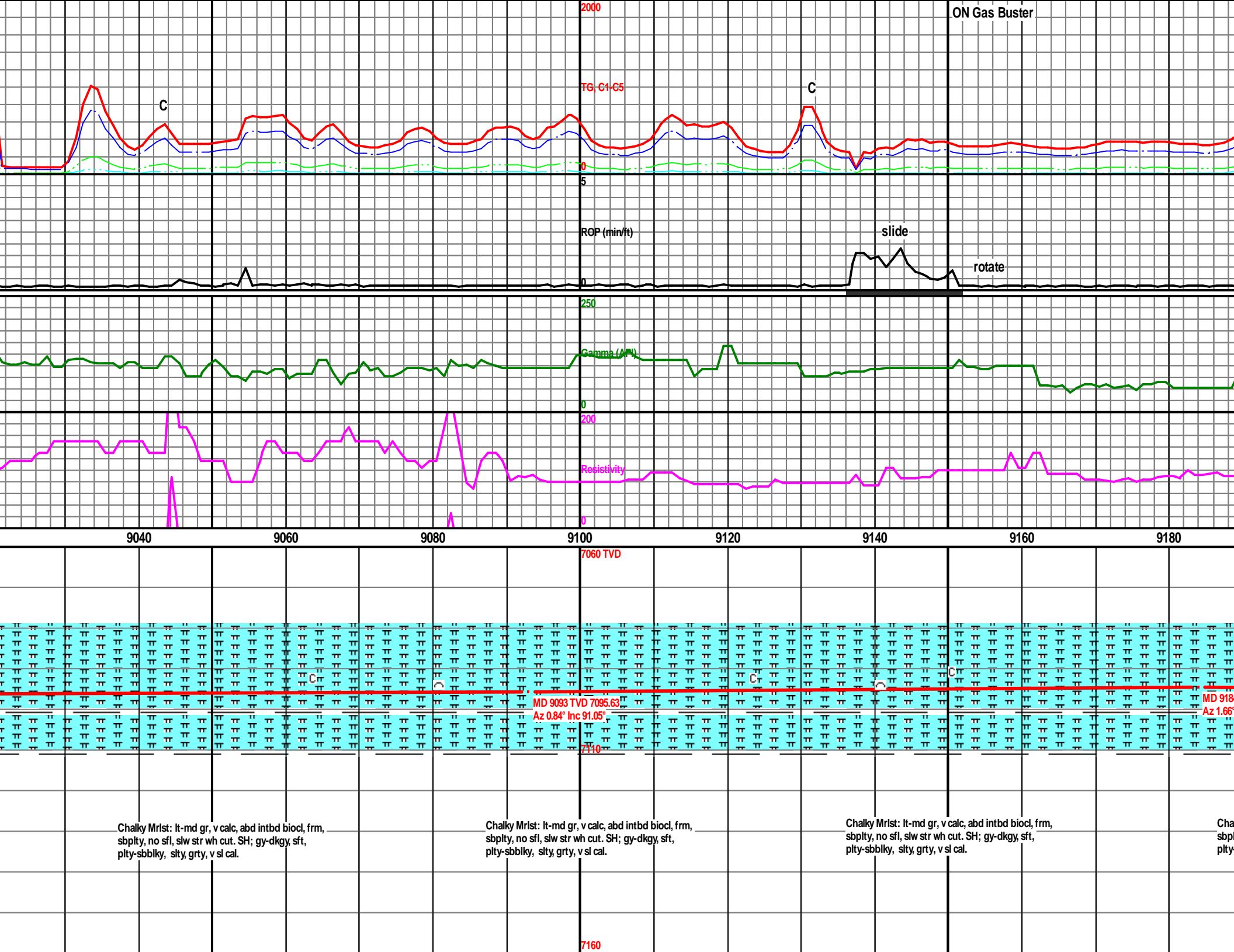
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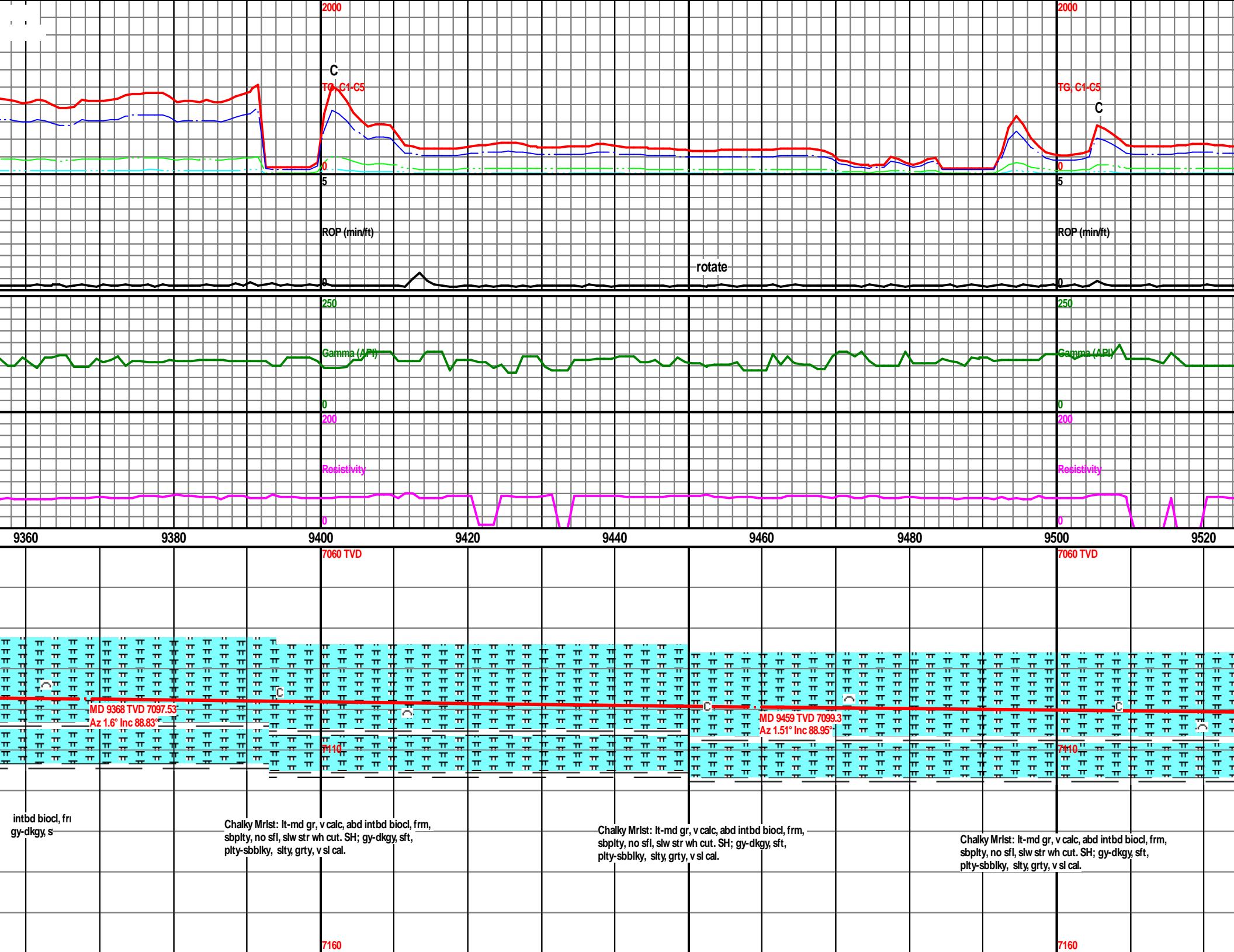
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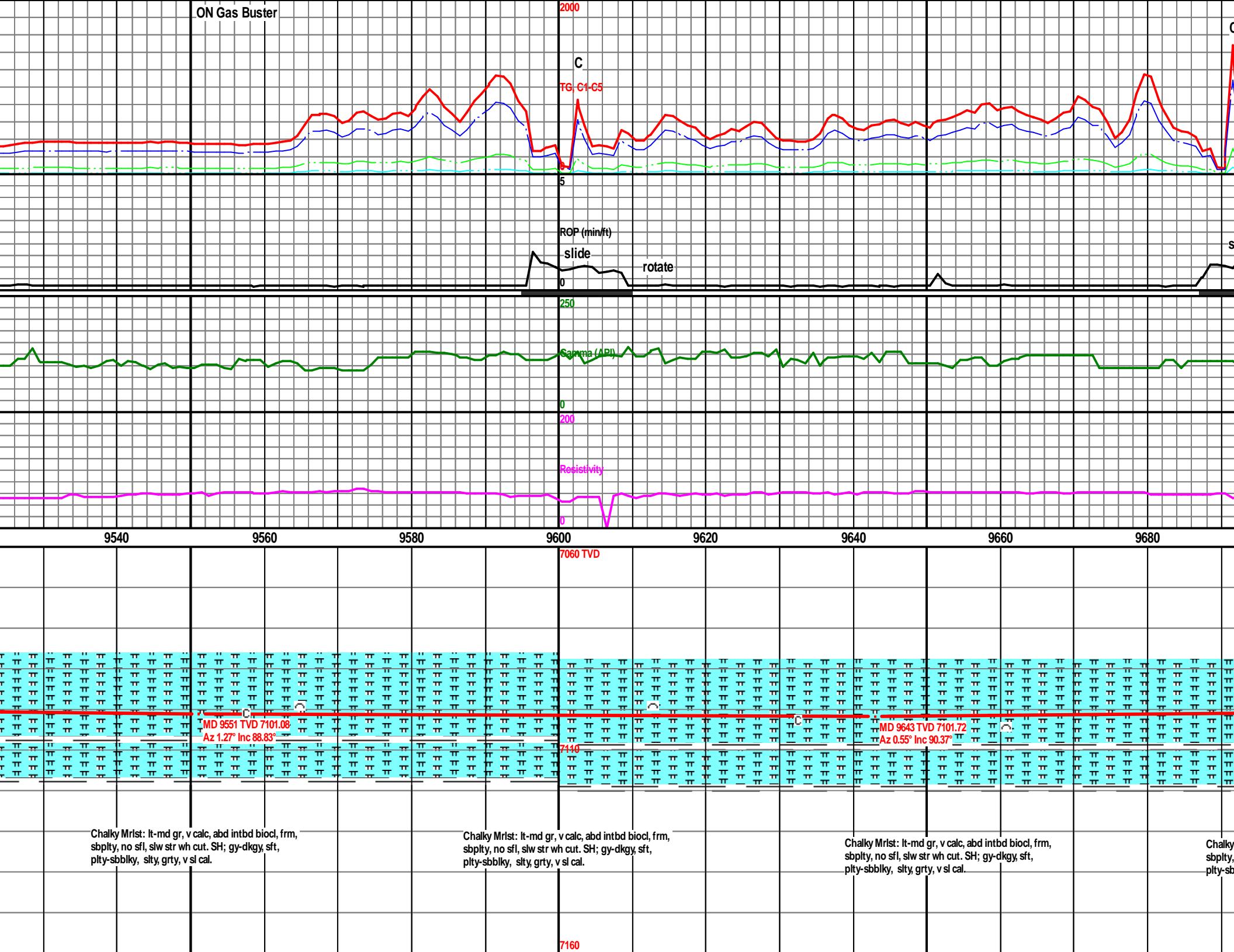
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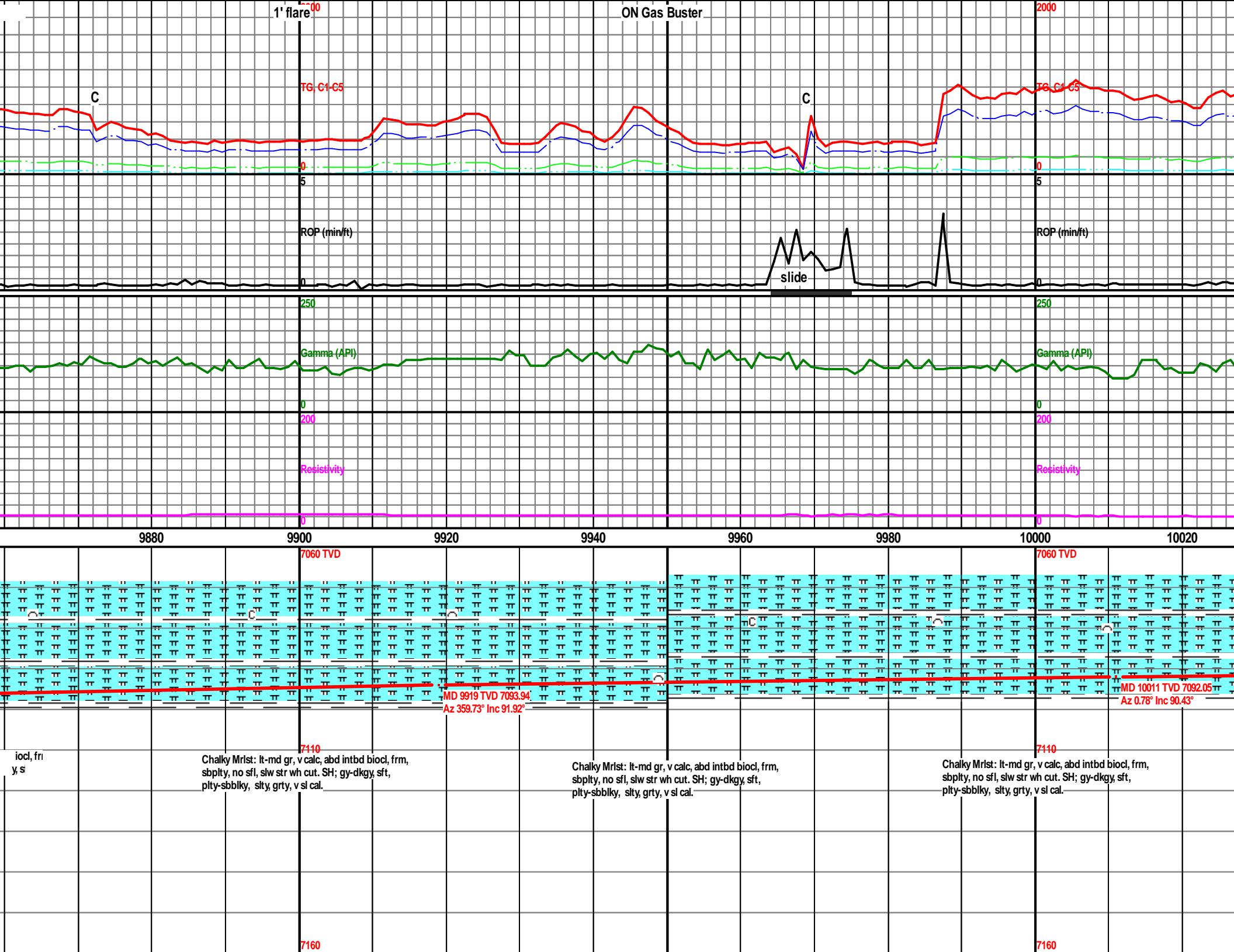


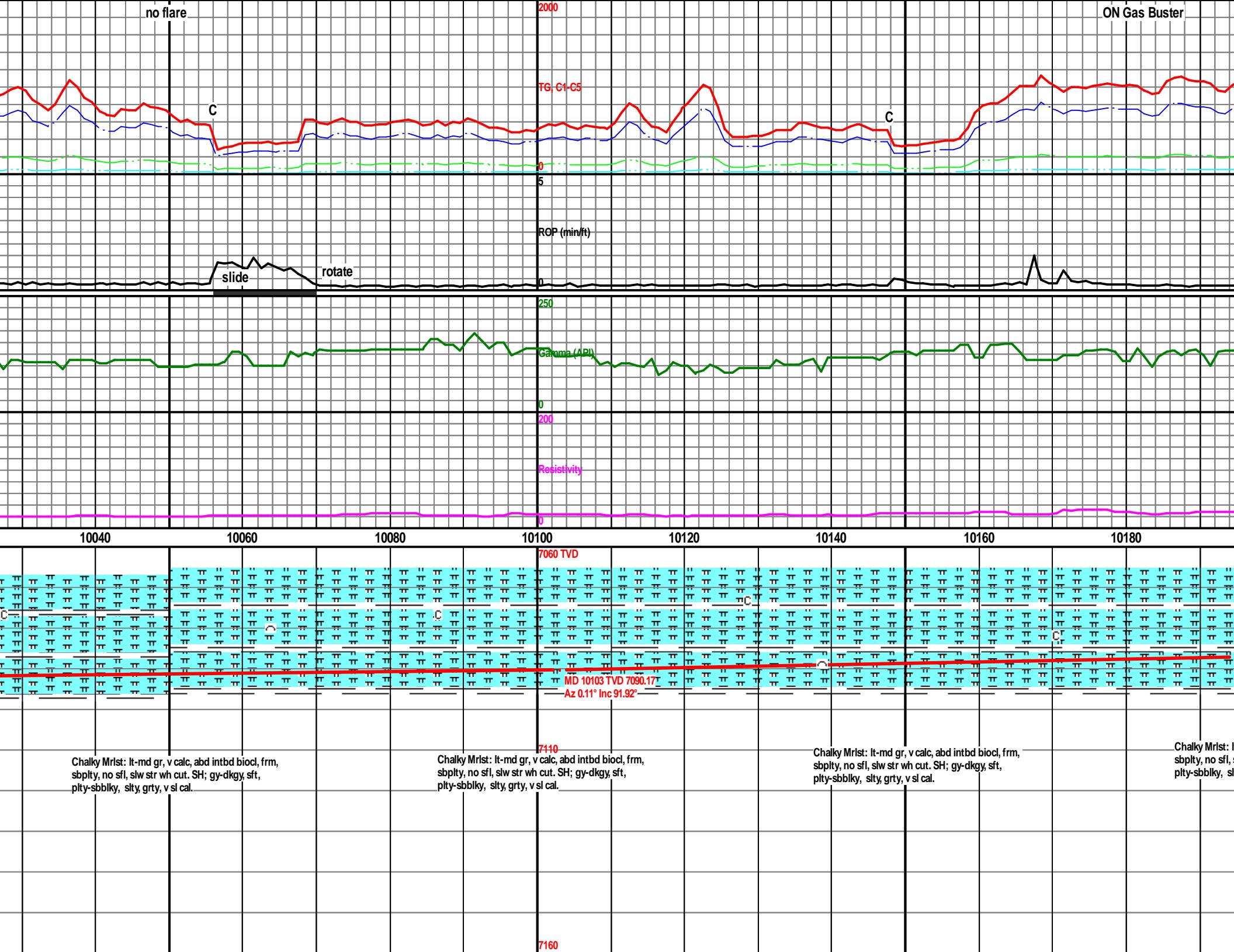


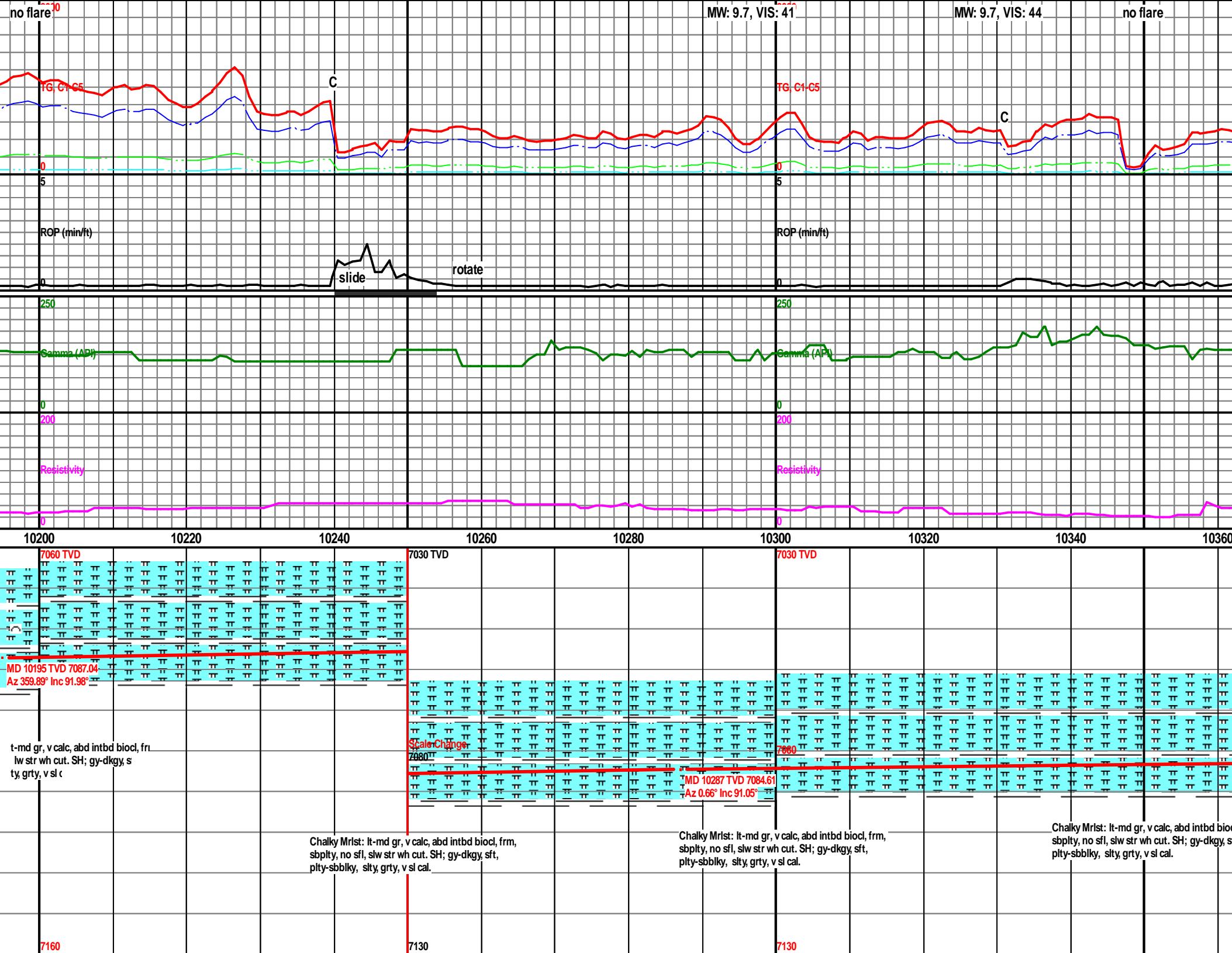




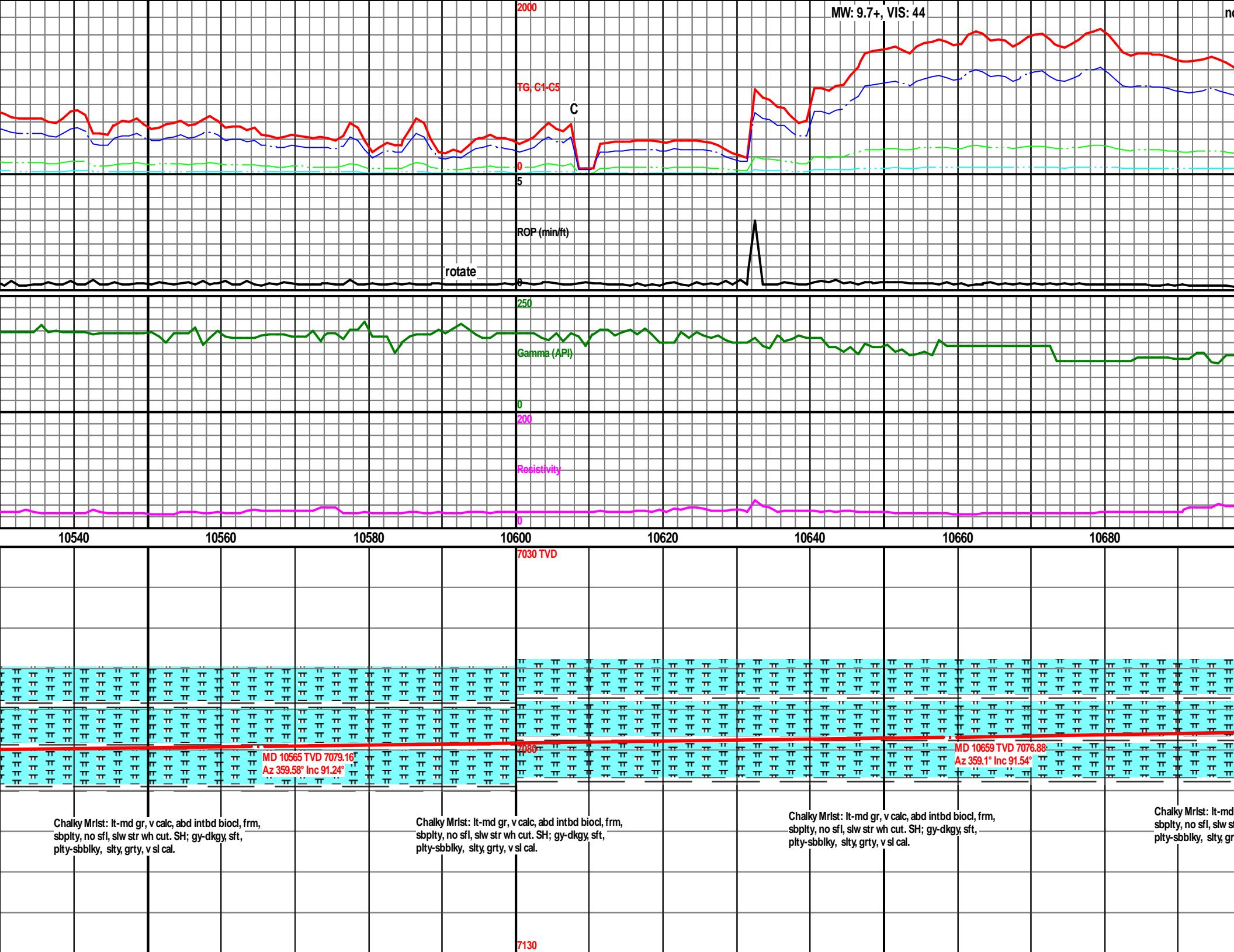


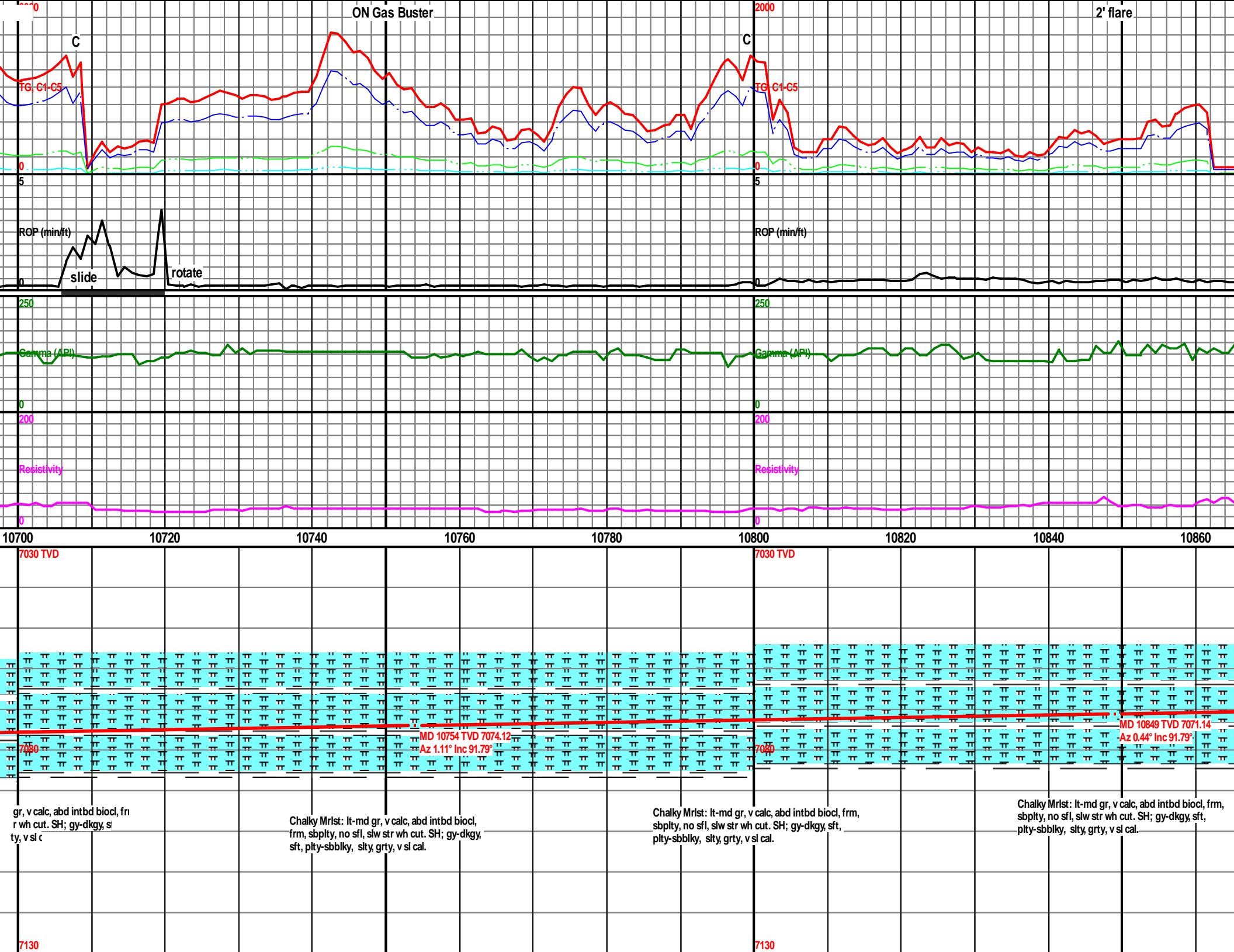


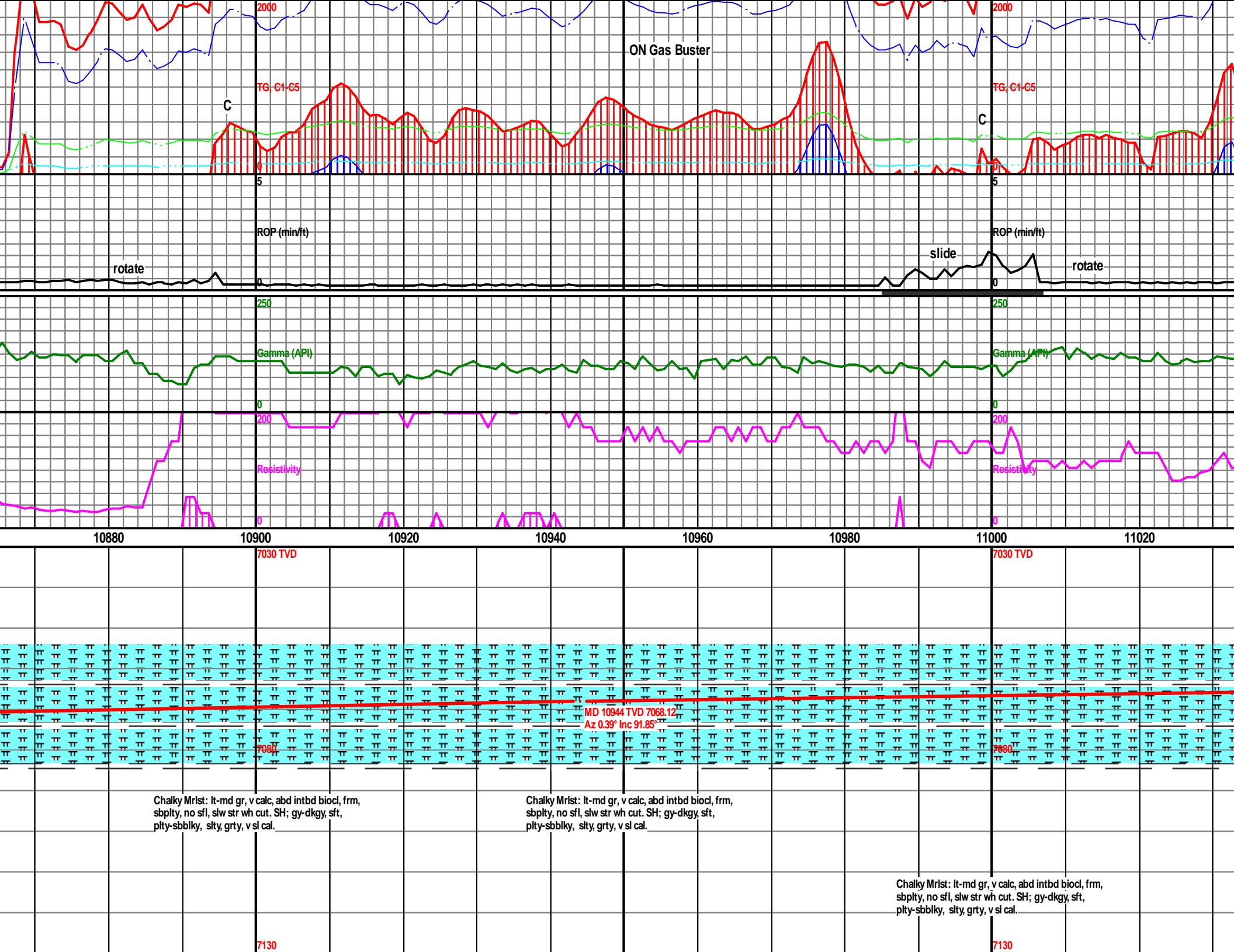


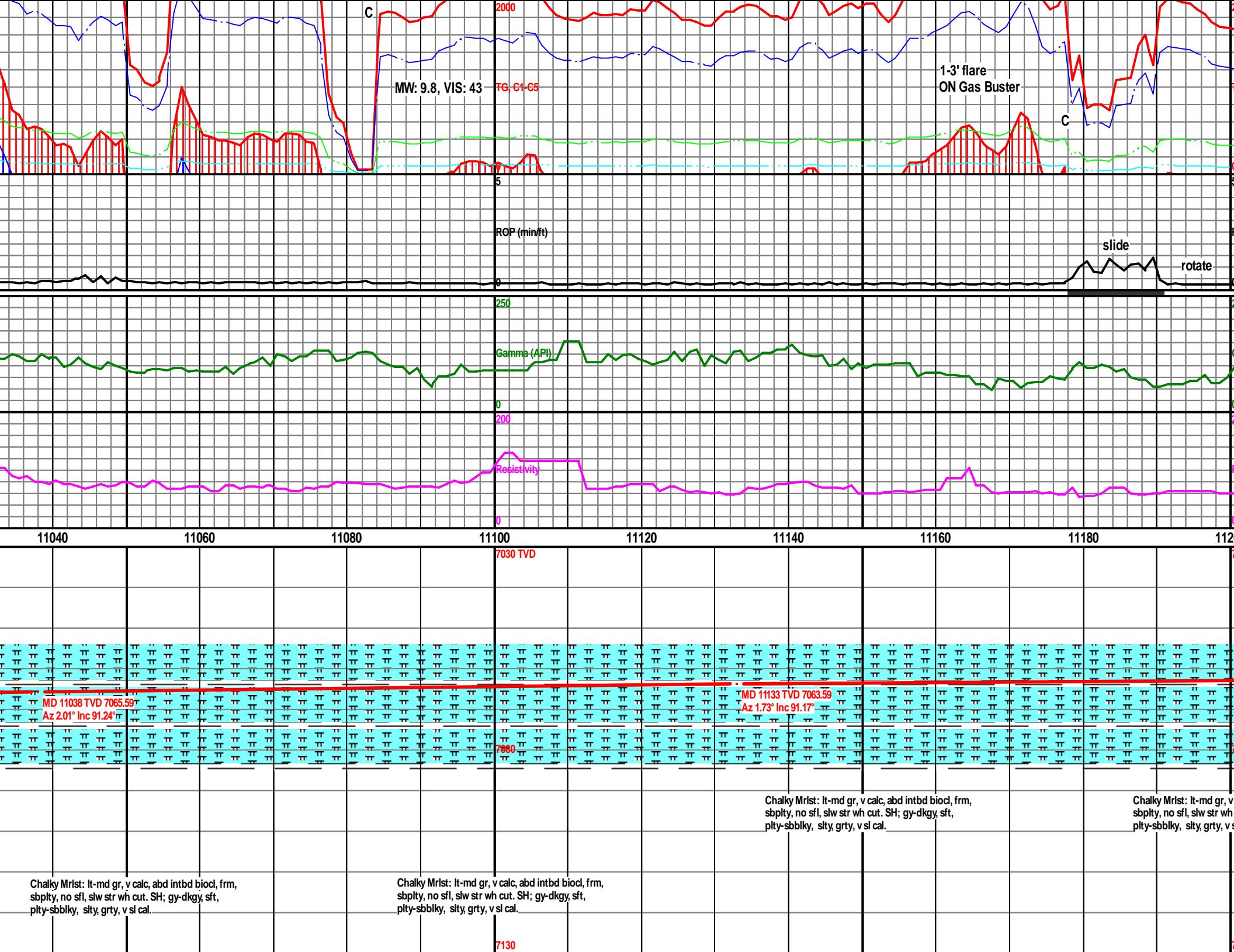


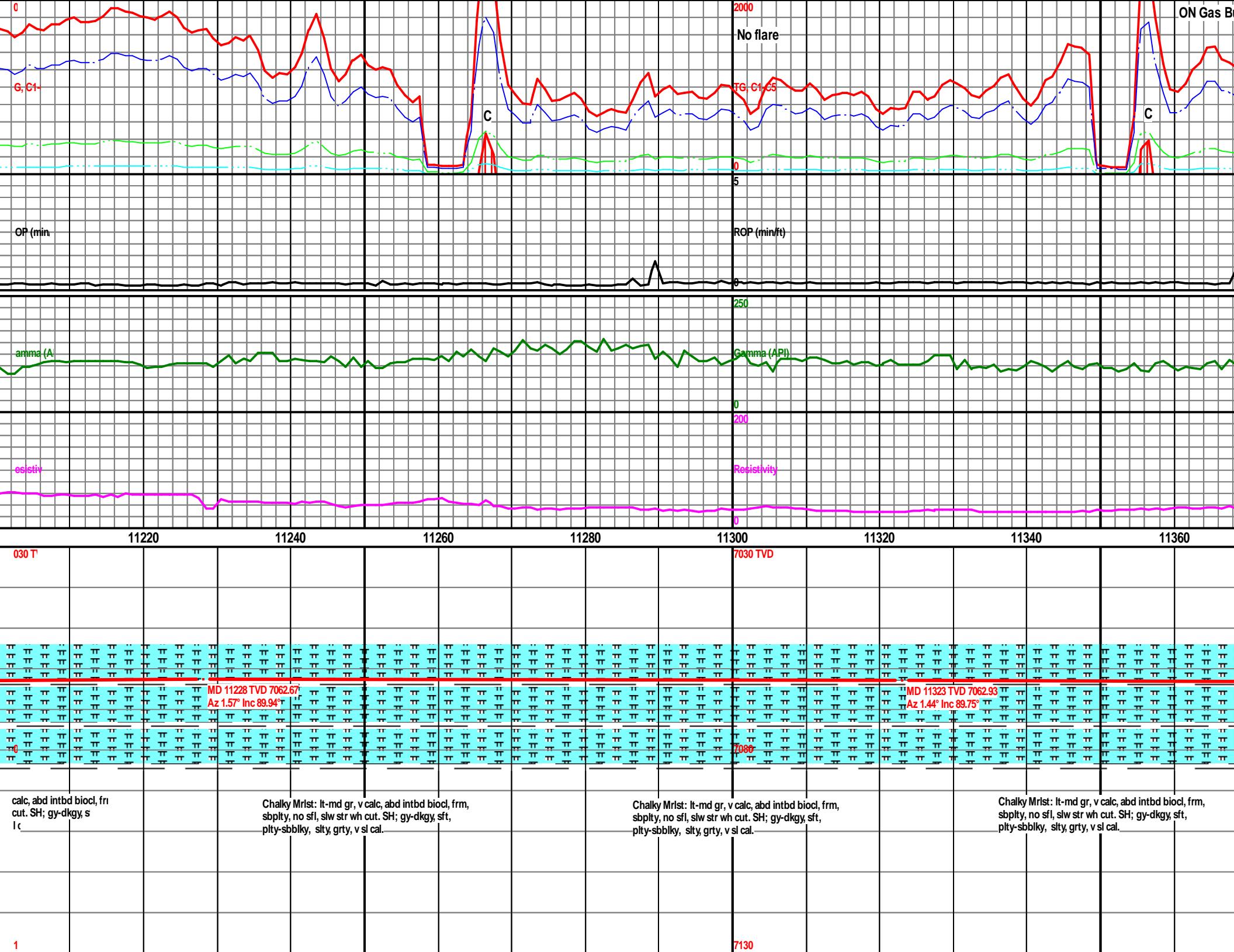


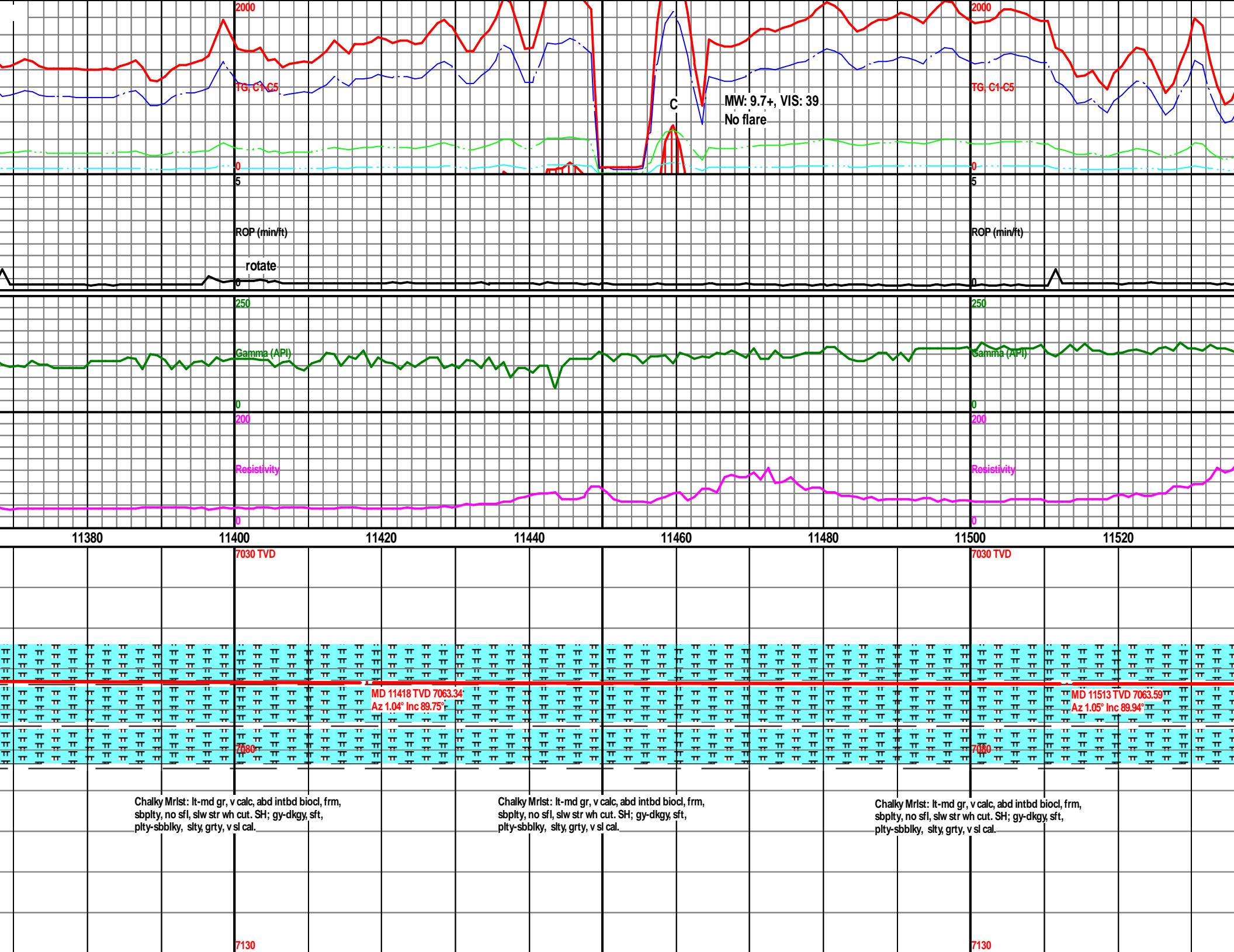




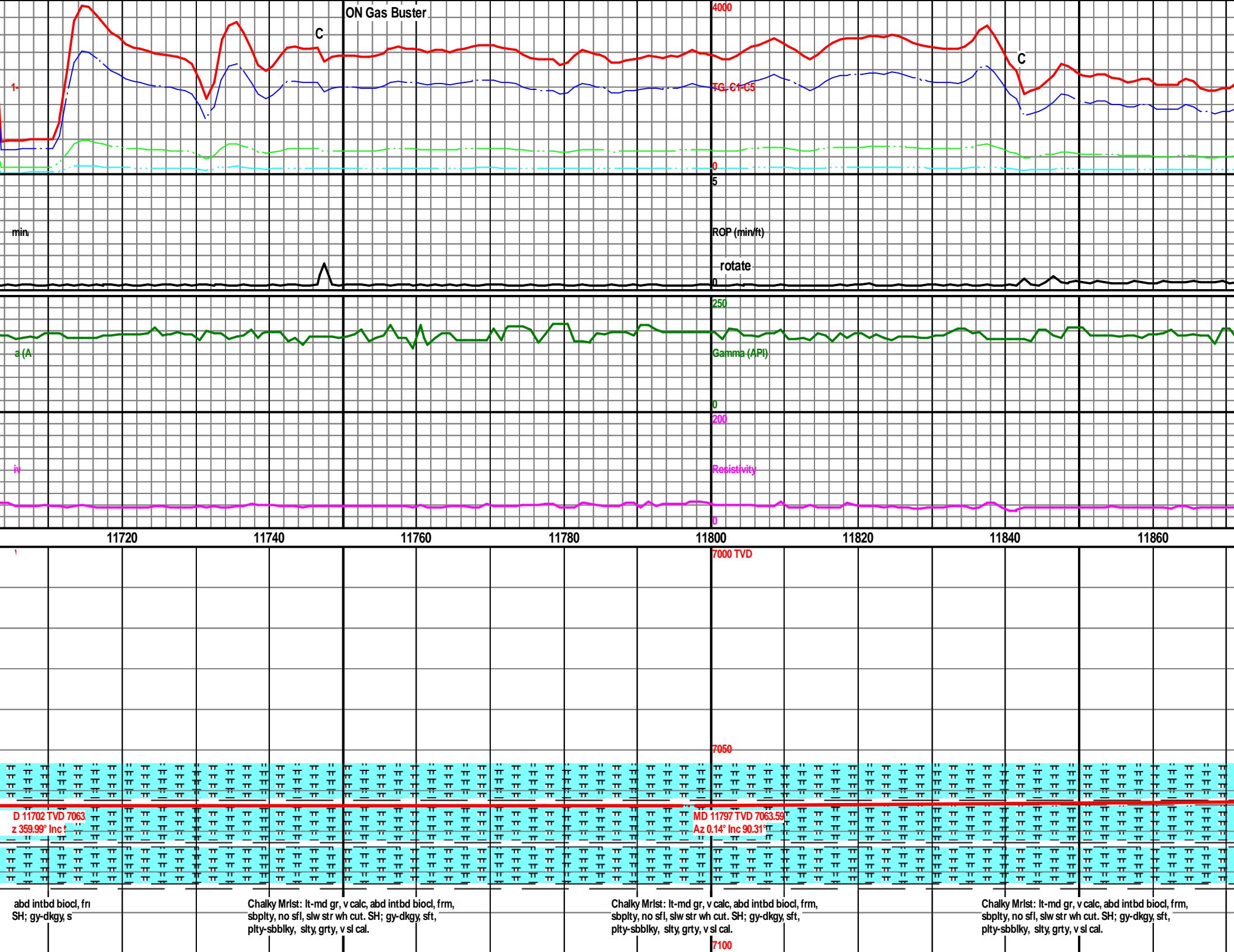


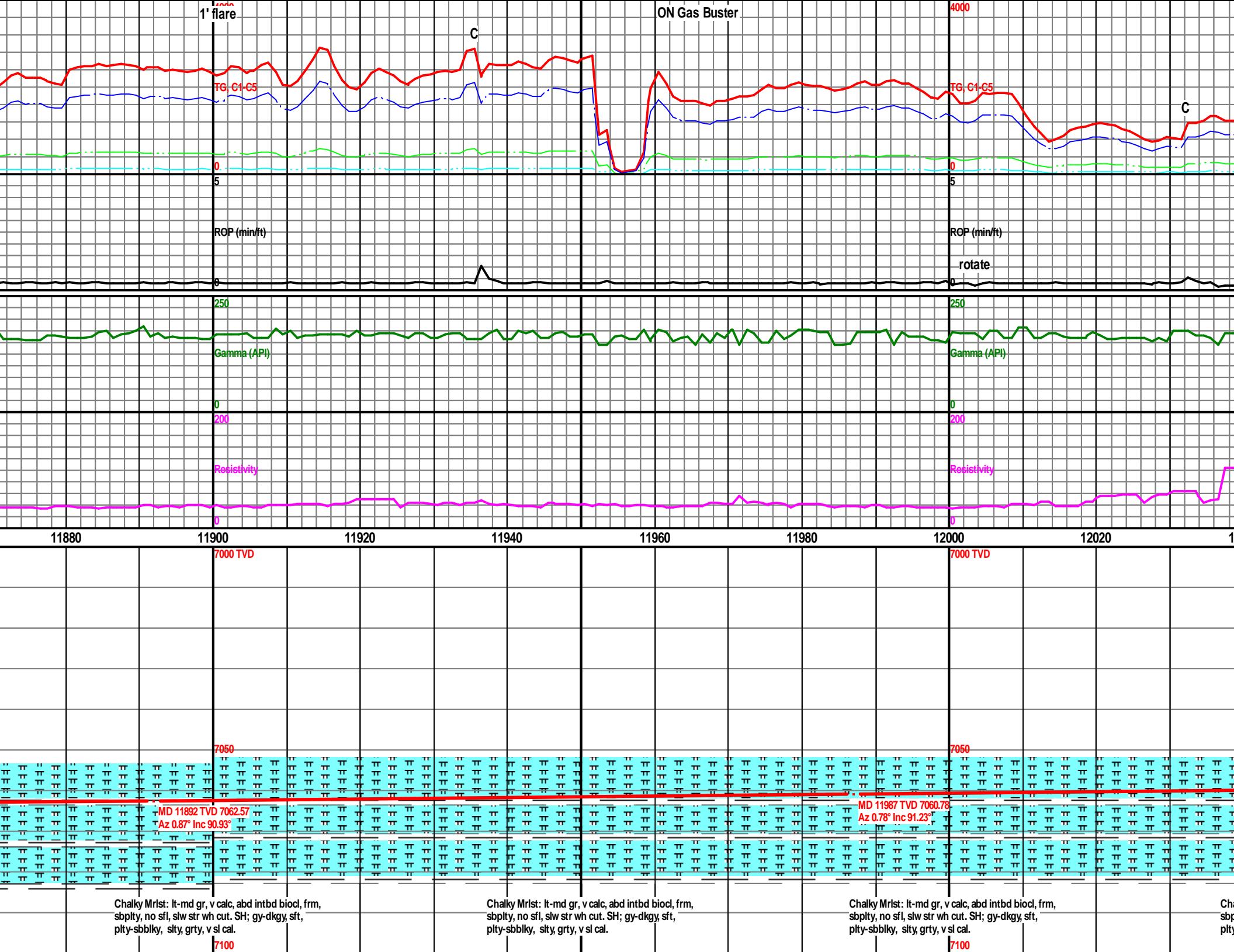










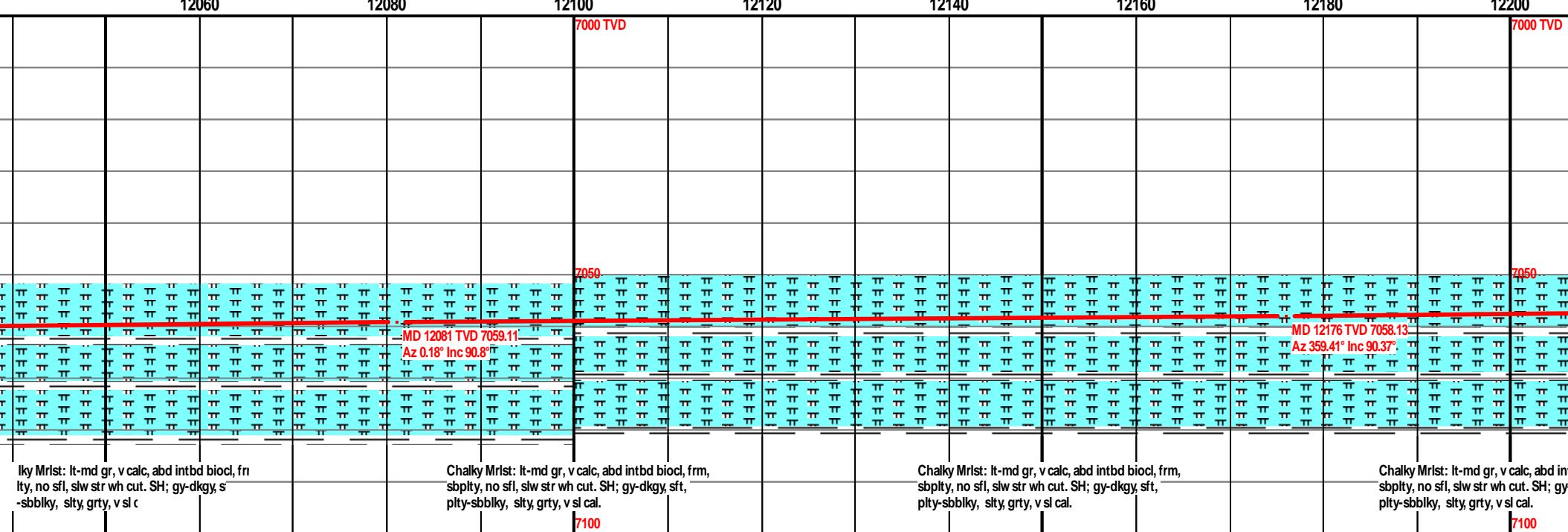
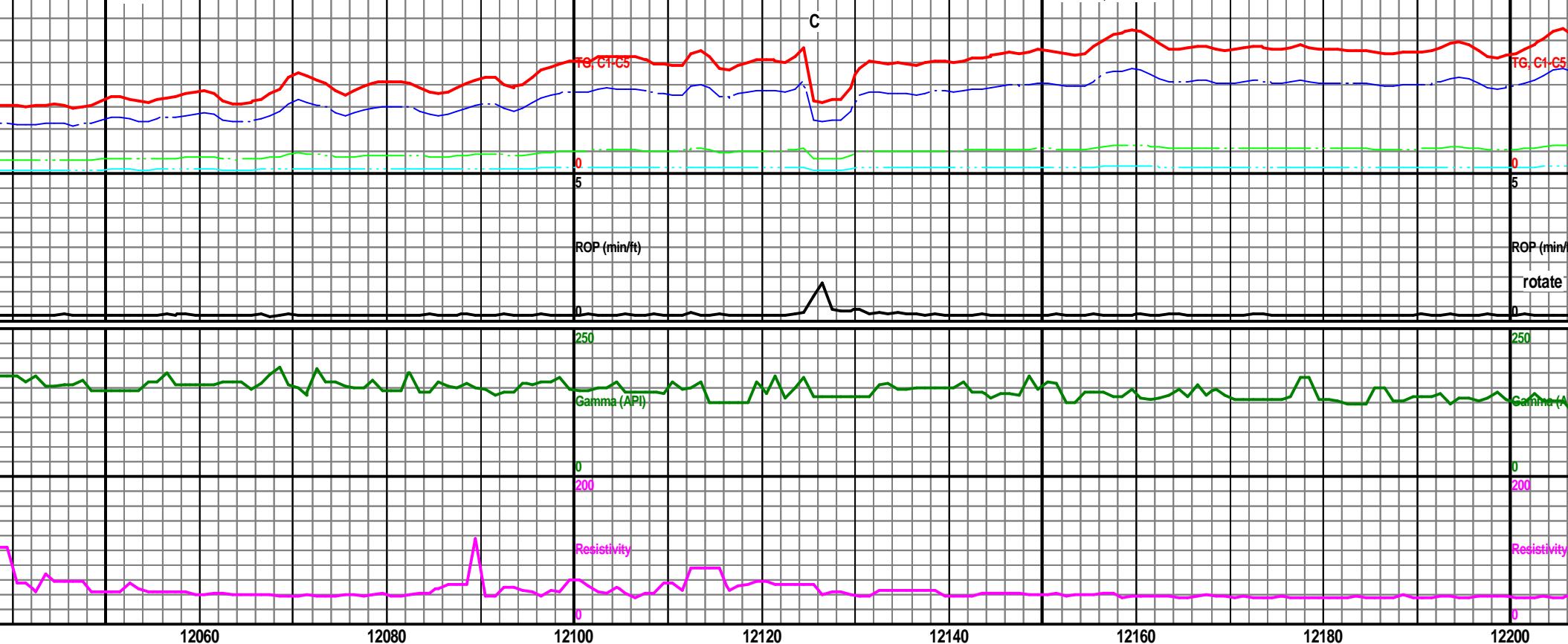


MW: 9.8, VIS: 42  
1' flare

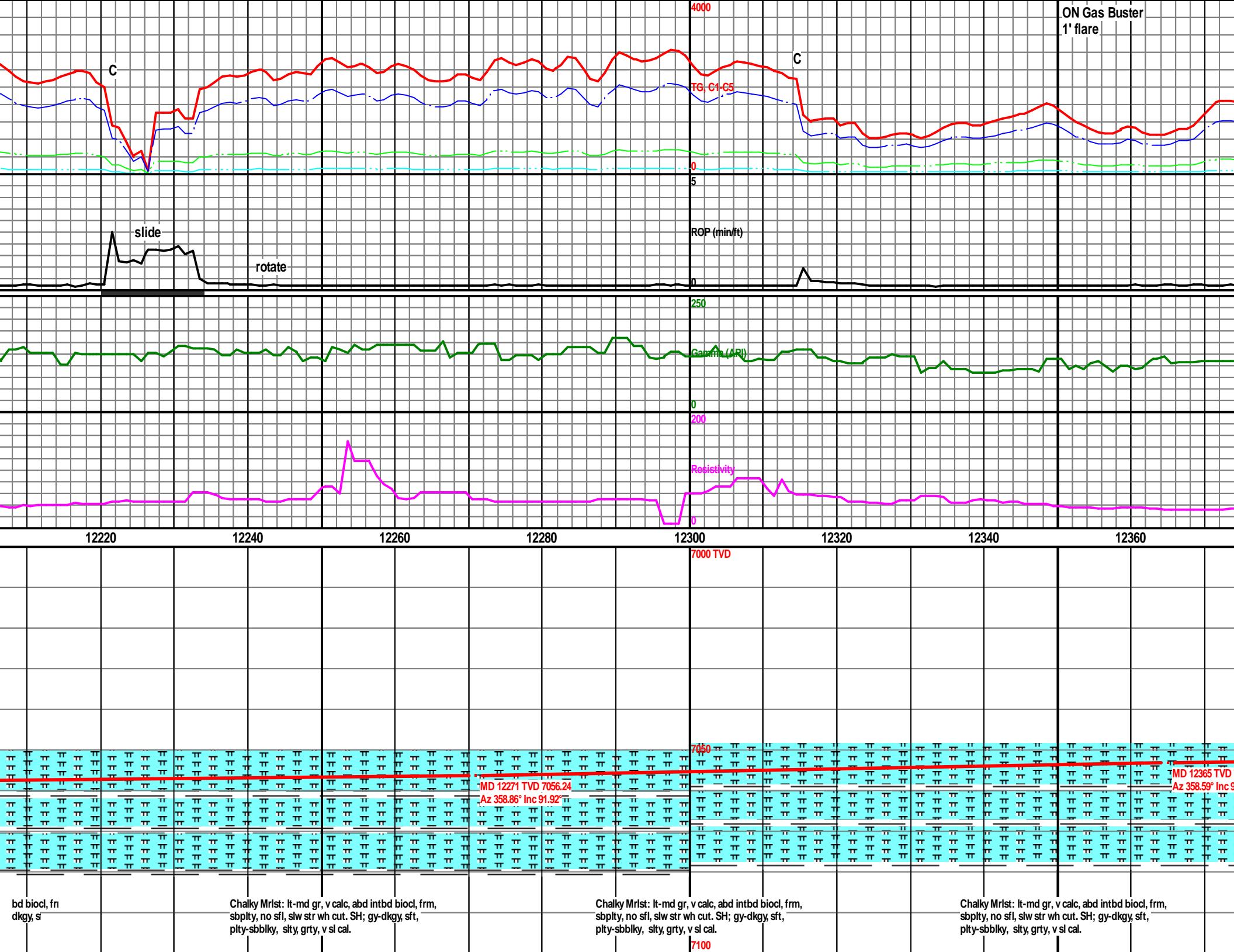
4000

ON Gas Buster  
MW: 9.8, VIS: 41

1-3' flare



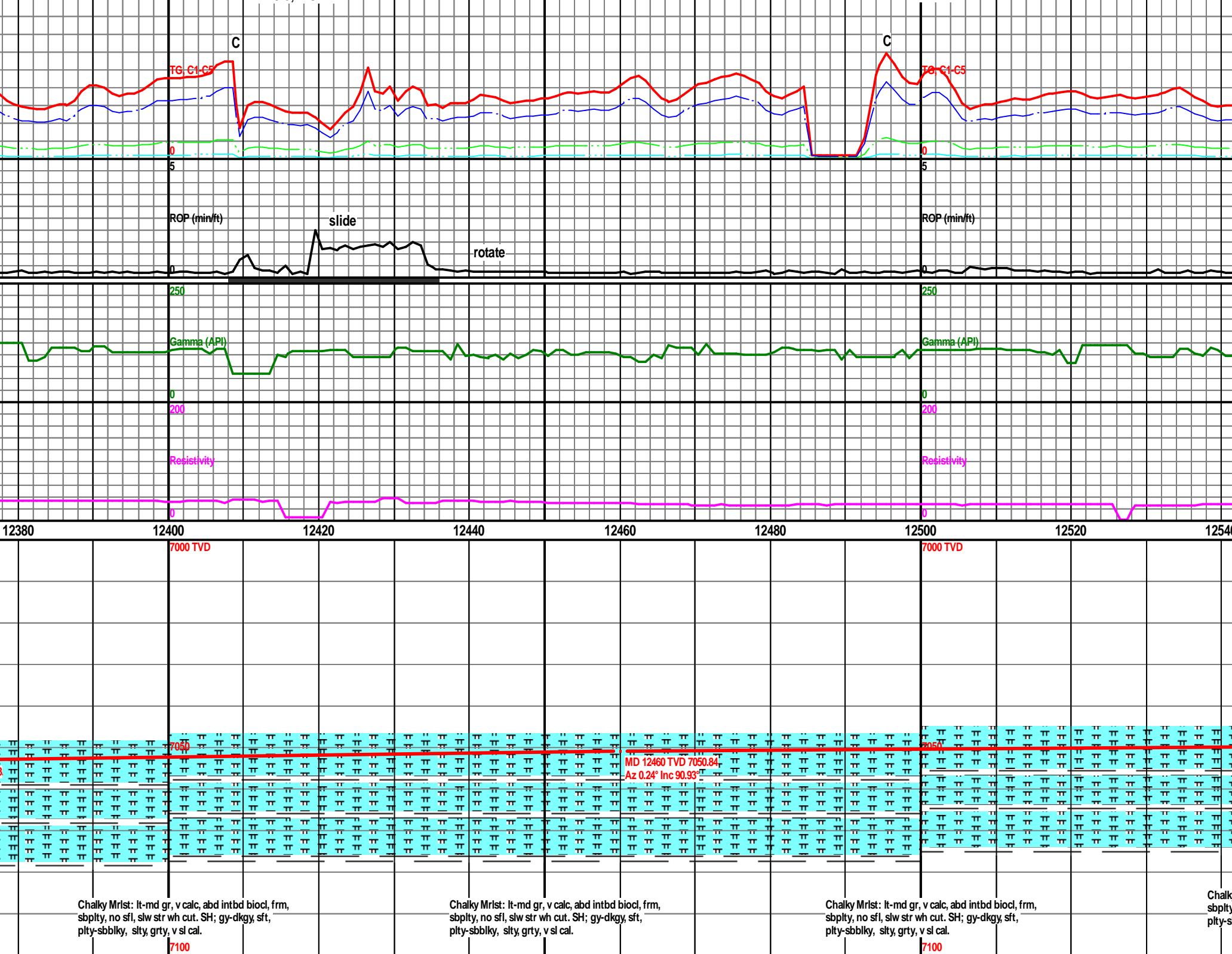
ON Gas Buster  
1' flare

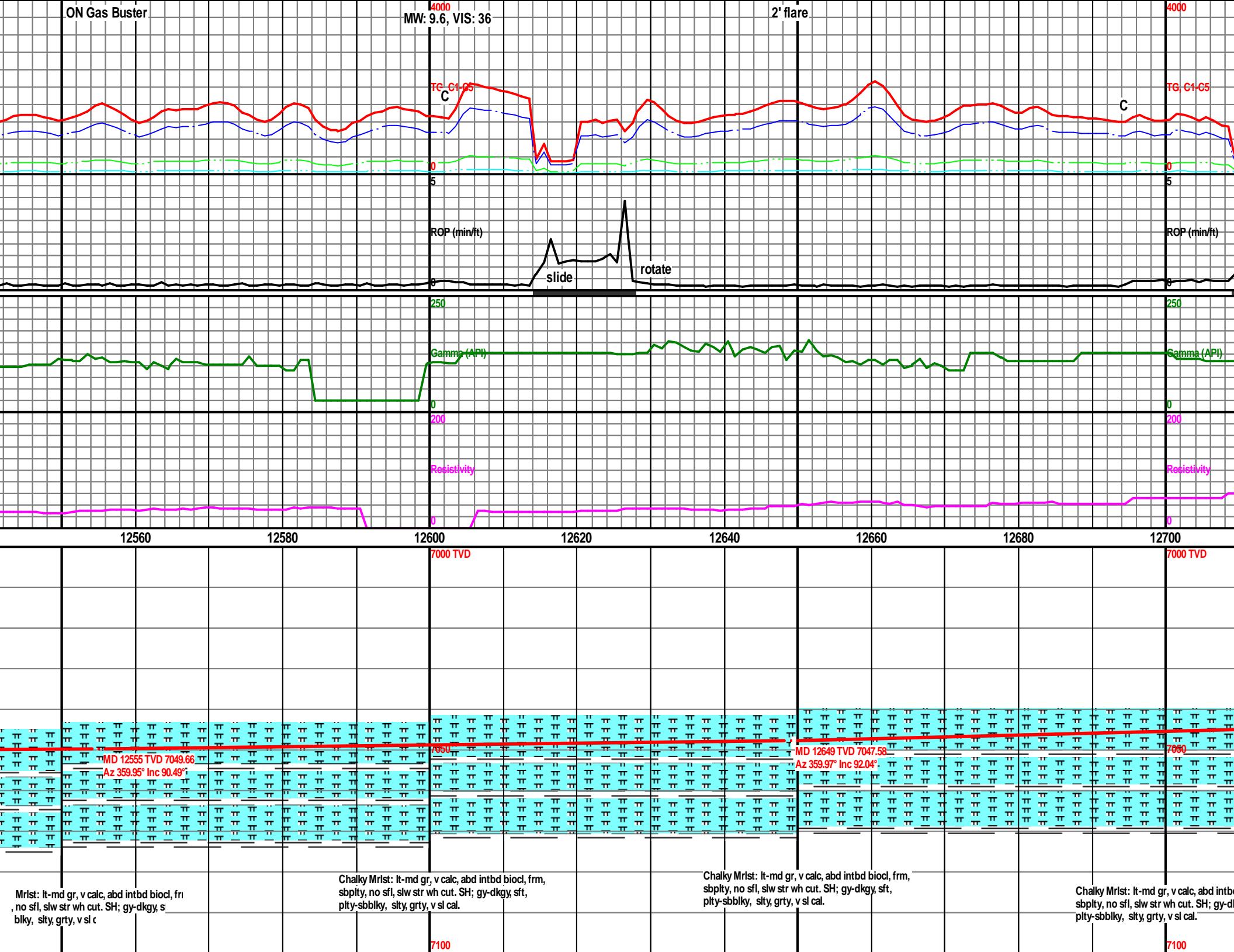


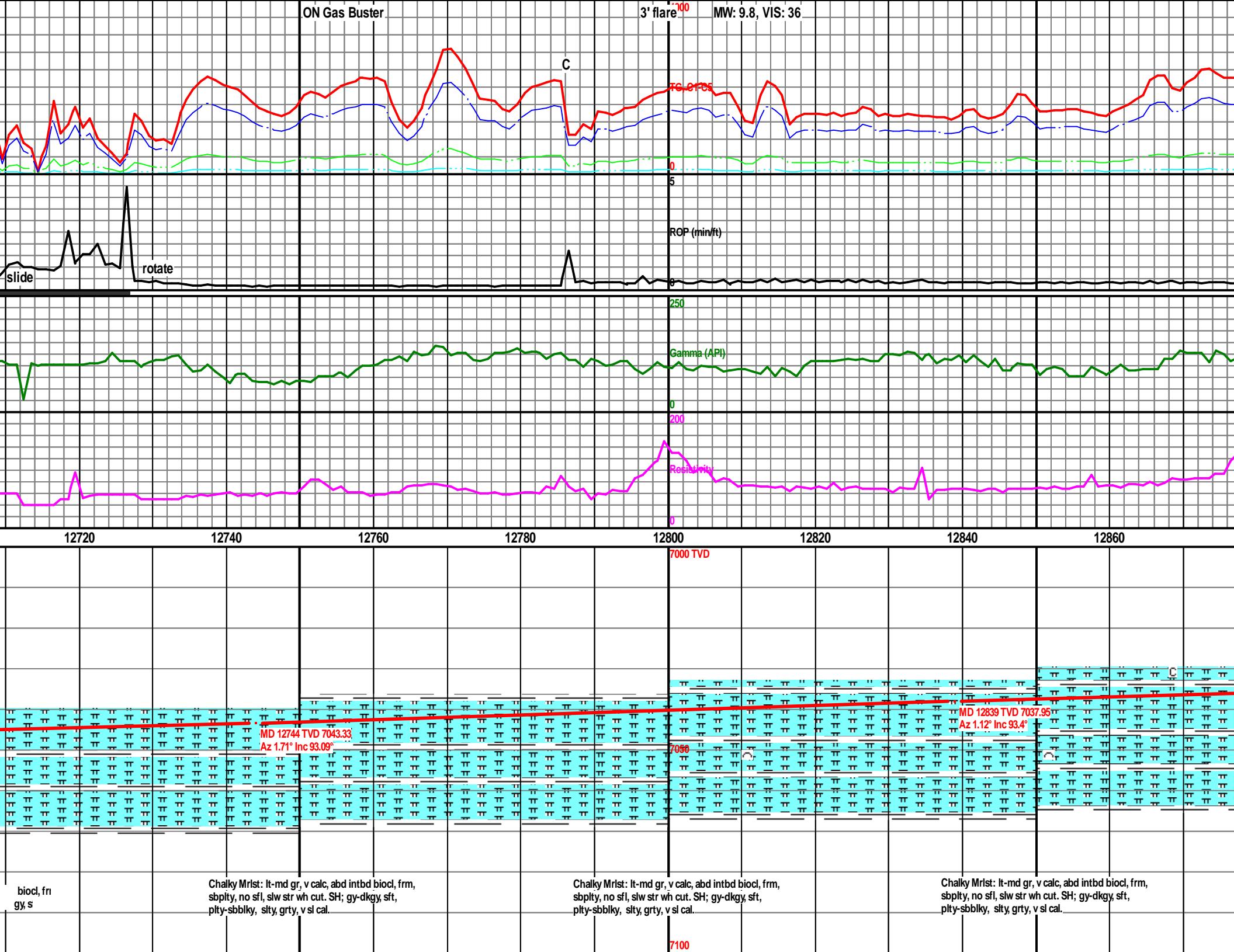
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MW: 9.8, VIS: 41

No flare



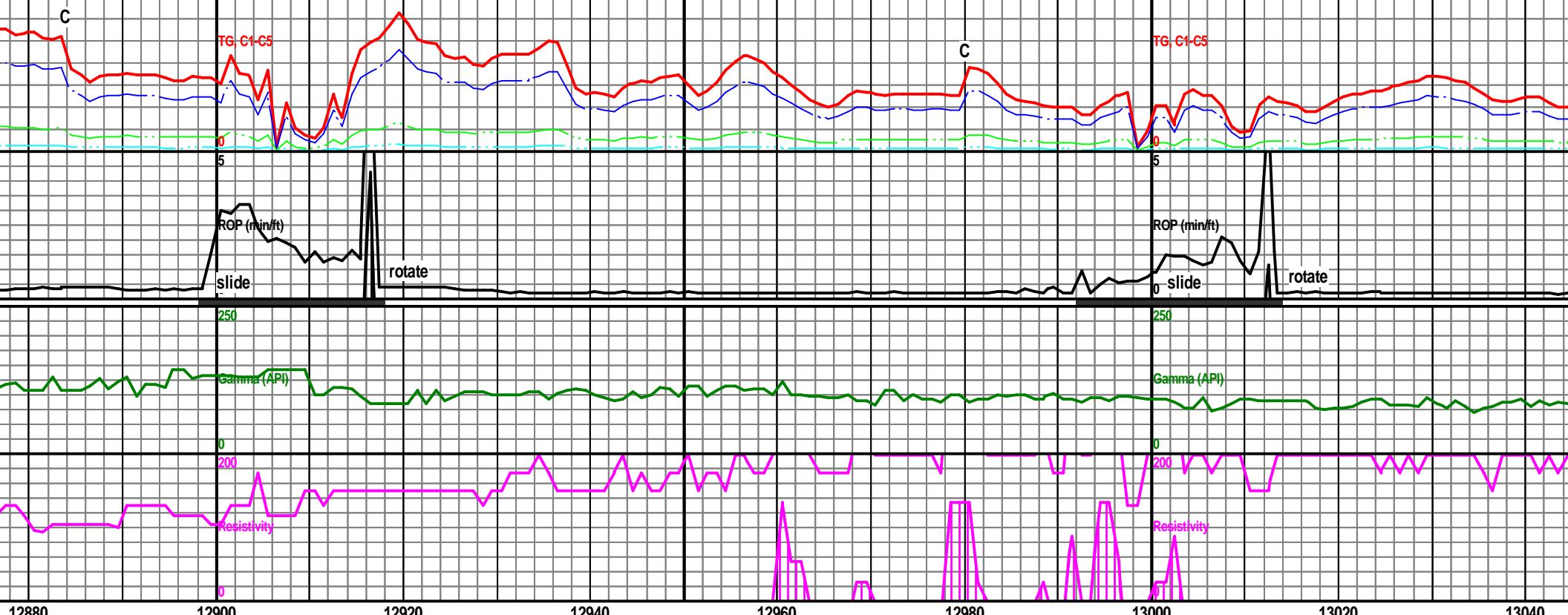




MW: 9.8, VIS: 36

2' flare ON Gas Buster

4000

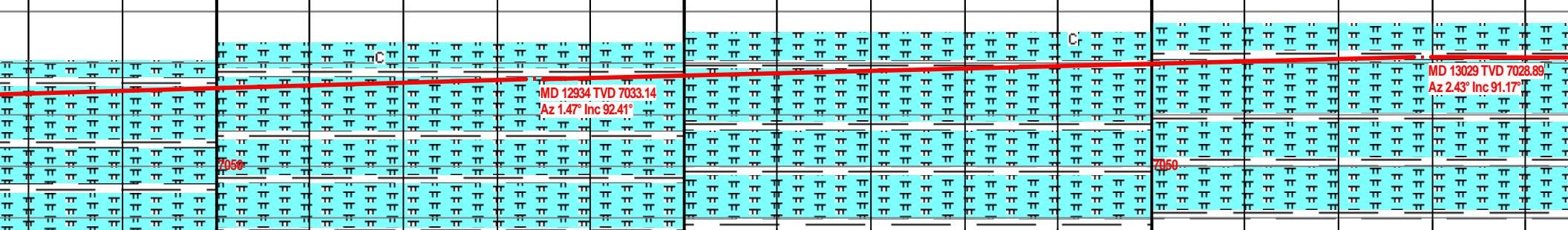


12880 12900 12920 12940 12960 12980 13000 13020 13040

7000 TVD

7000 TVD

TVD



Chalky Mrst: lt-md gr, v calc, abd intbd biocl, frm,  
sbptly, no sfl, slw str wh cut. SH; gy-dkg, sft,  
plty-sbbly, sly, grty, v sl cal.

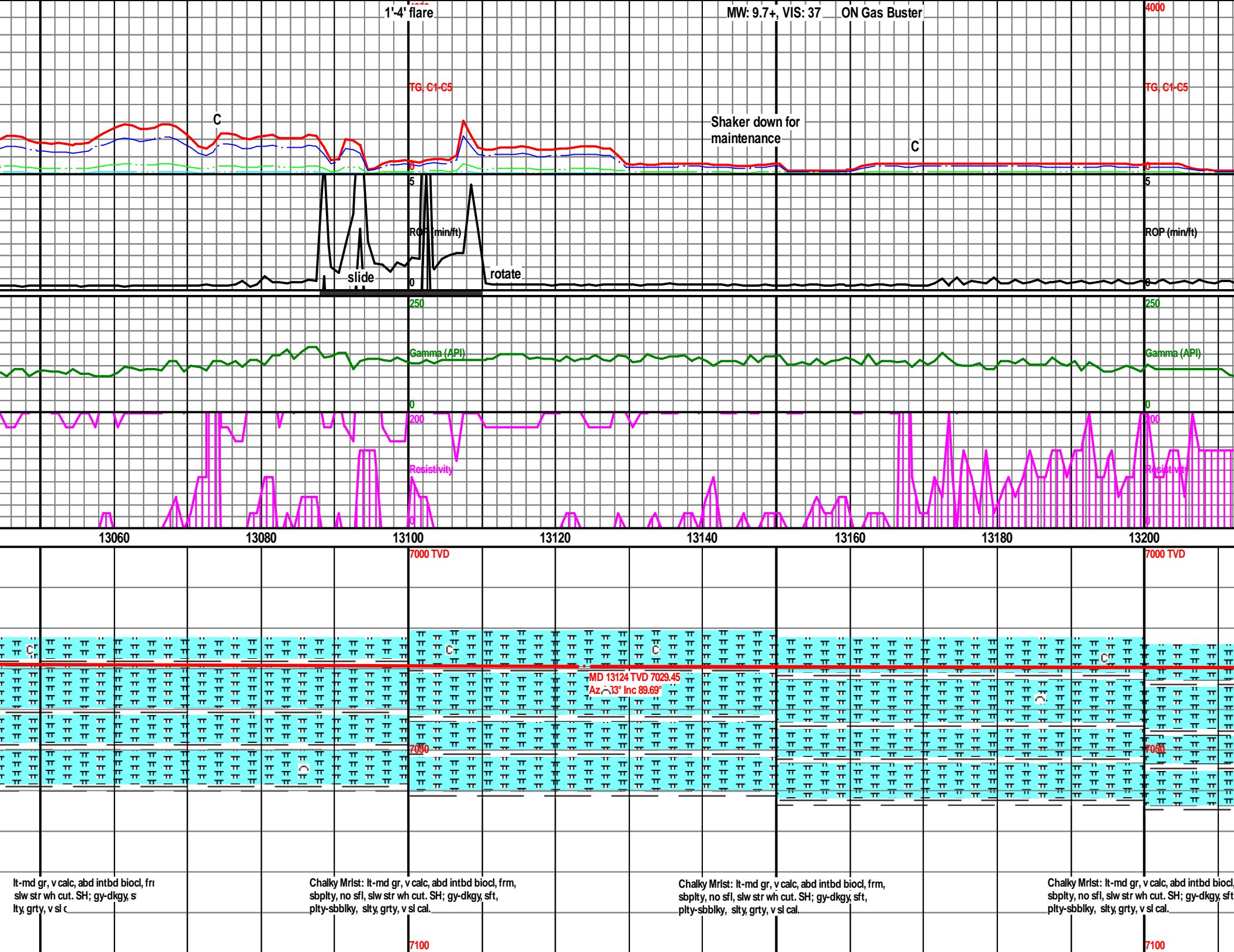
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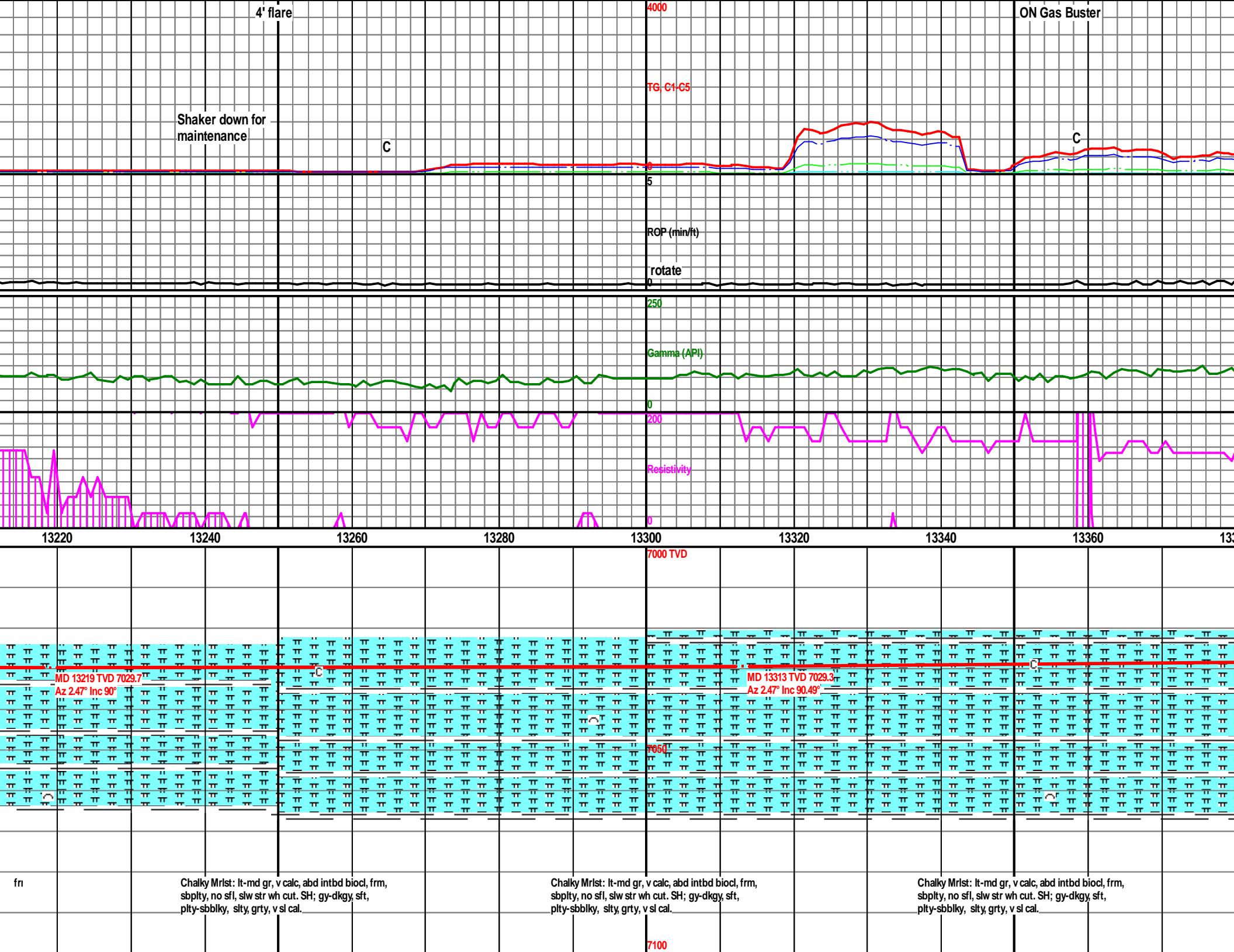
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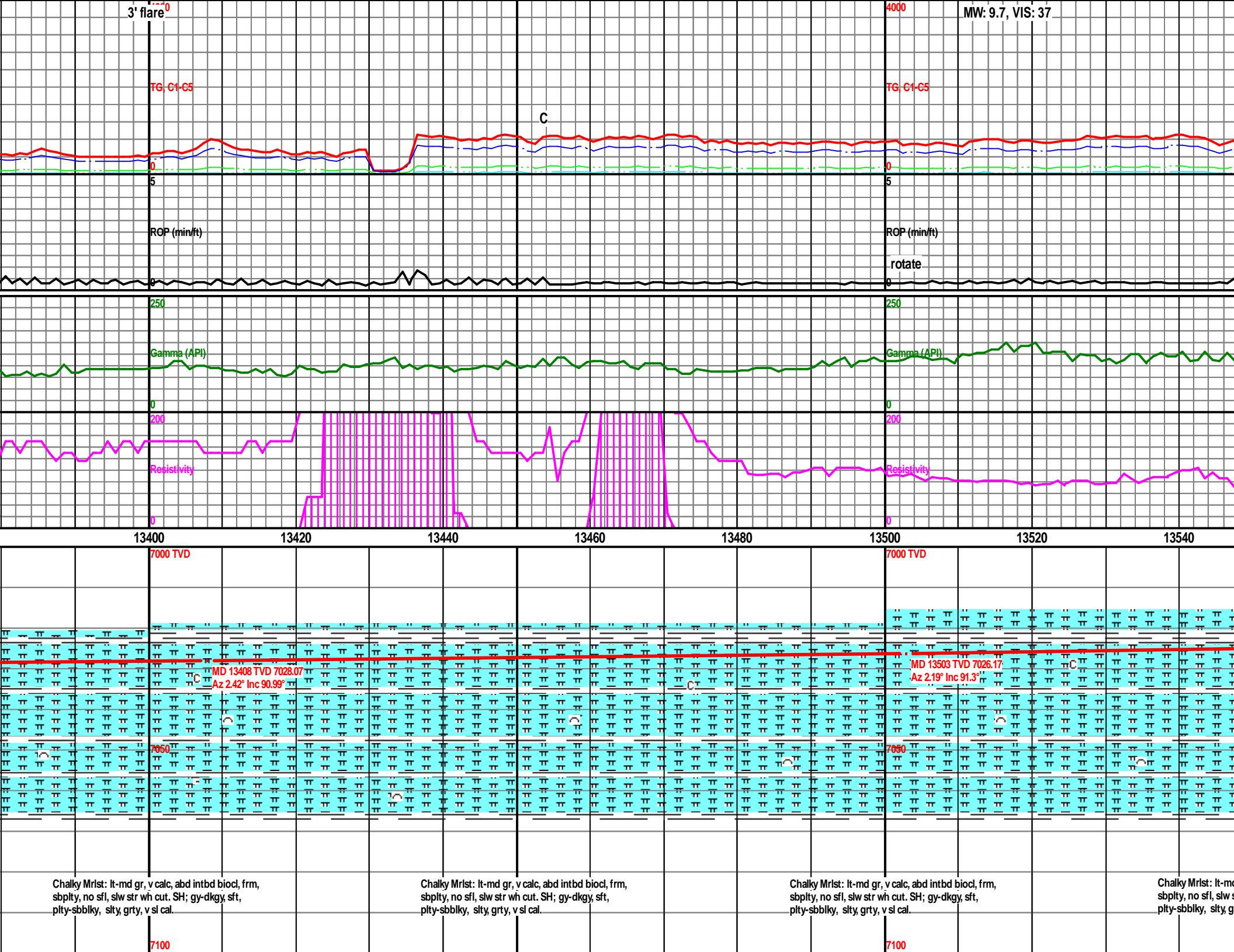
Chalky Mrst:  
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plty-sbbly, s

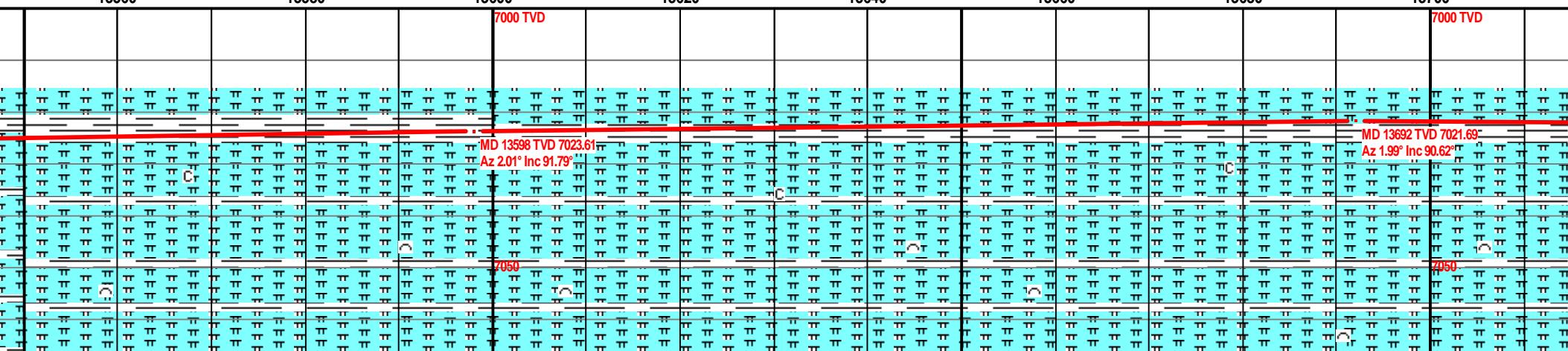
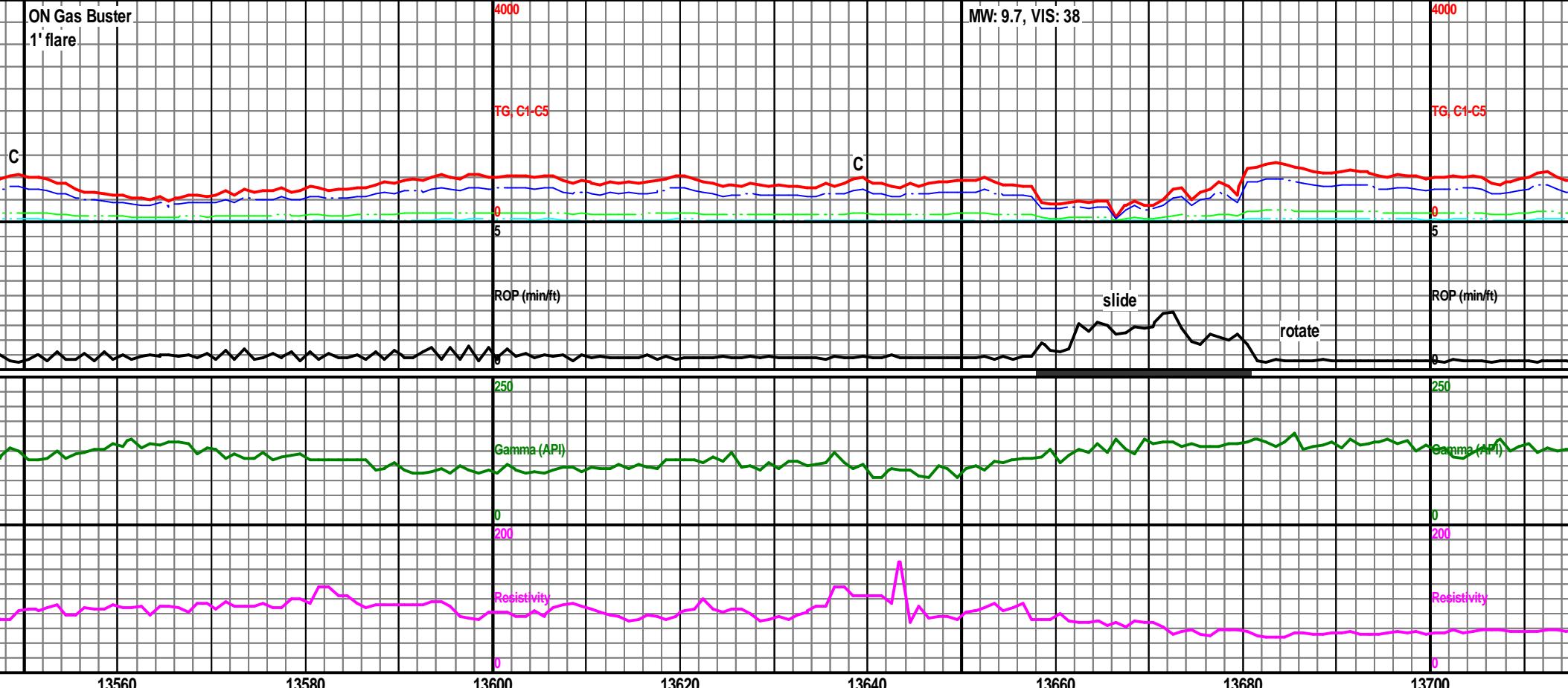
7100

7100









gr, v calc, abd intbd biocl, frn  
tr wh cut. SH; gy-dkgy, s  
rty, v sl c

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm,  
sbplty, no sfl, slw str wh cut. SH; gy-dkgy, sft,  
plty-sbbkly, sity, grty, v sl cal.

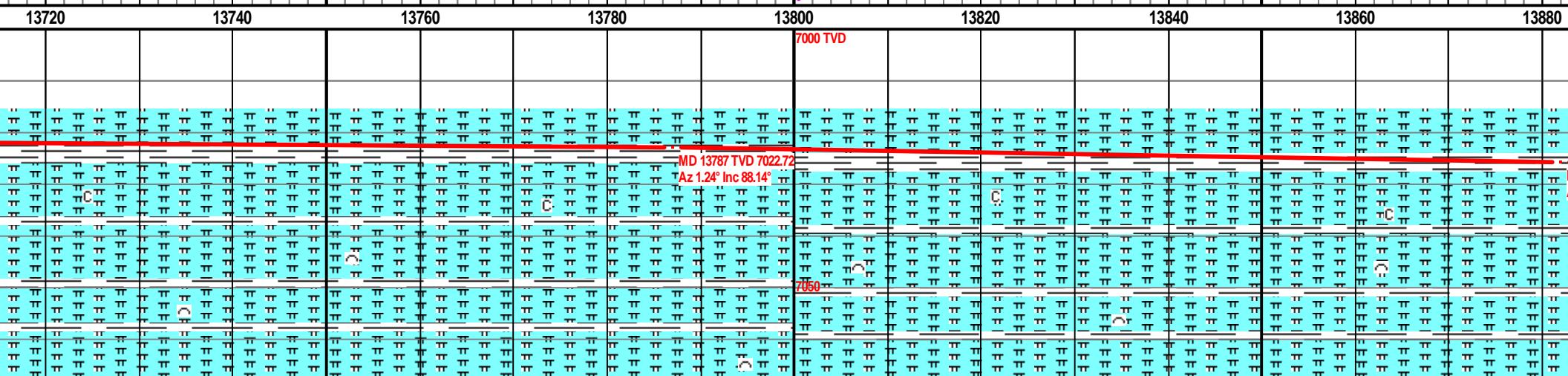
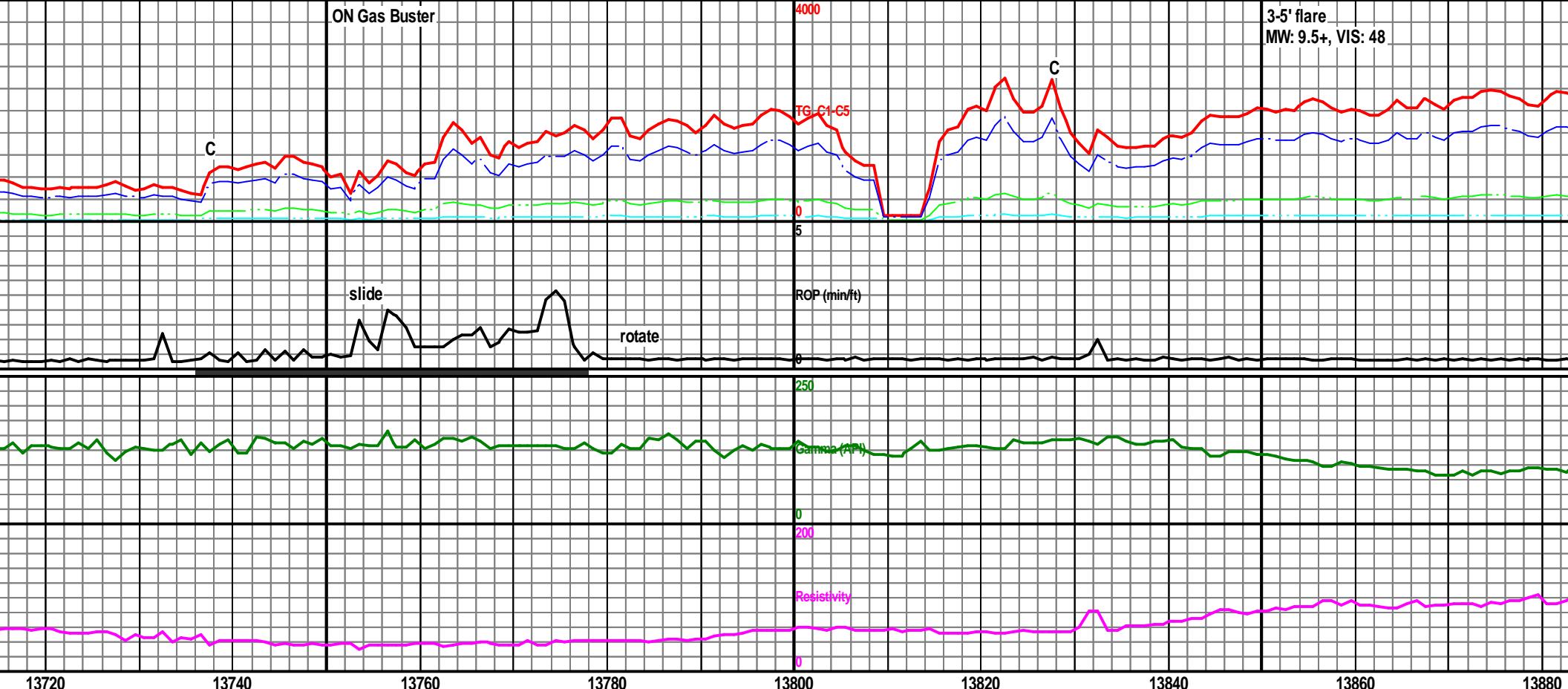
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plty-sbbkly, sity, grty, v sl cal.

7100

7100

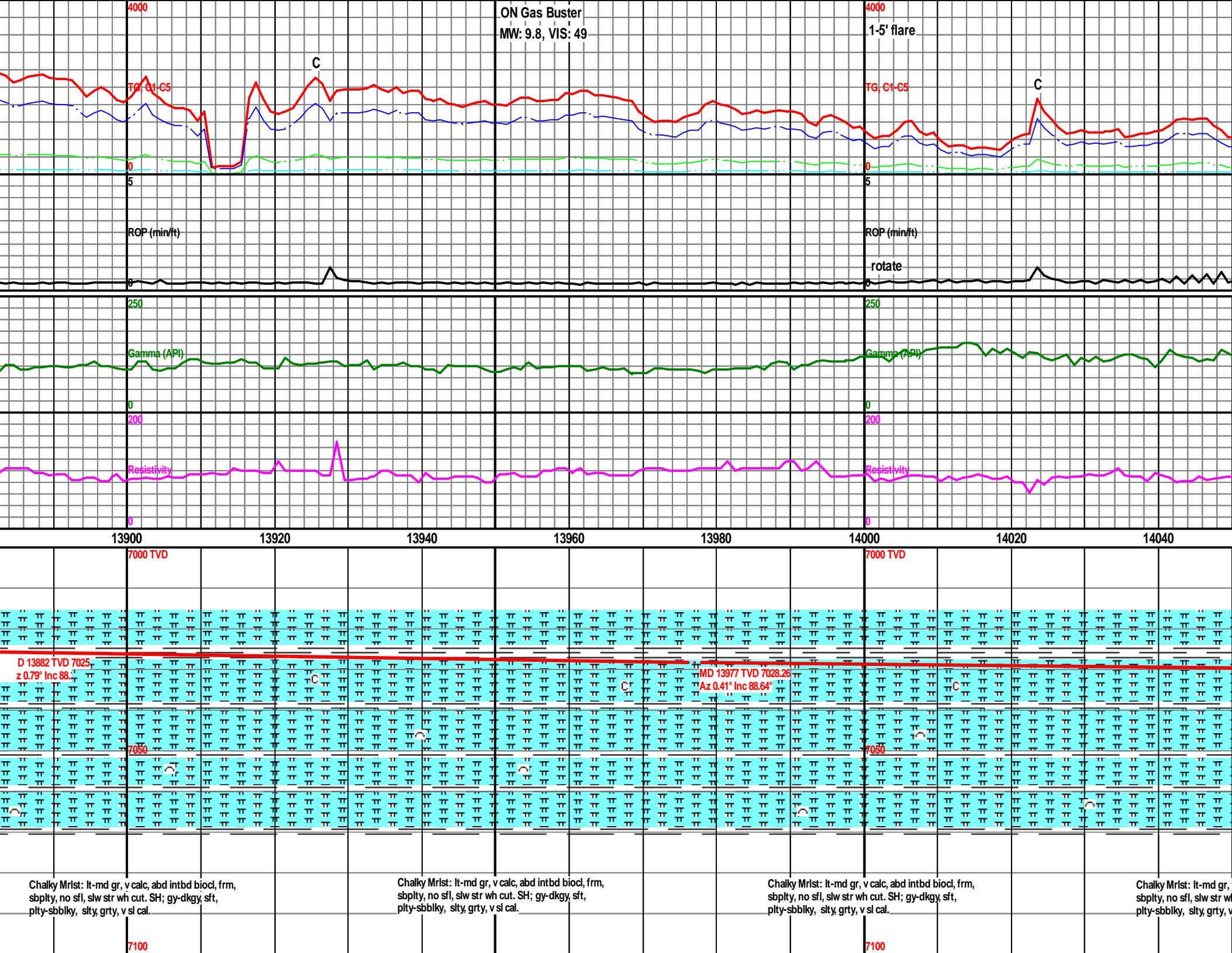
ON Gas Buster

3-5' flare  
MW: 9.5+, VIS: 48

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm,  
sbptry, no sfl, slw str wh cut. SH; gy-dkgry, sft,  
pty-sbbkly, sly, grty, v sl cal.

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm,  
sbptry, no sfl, slw str wh cut. SH; gy-dkgry, sft,  
pty-sbbkly, sly, grty, v sl cal.

Chalky Mrlst: lt-md gr, v calc, abd intbd biocl, frm,  
sbptry, no sfl, slw str wh cut. SH; gy-dkgry, sft,  
pty-sbbkly, sly, grty, v sl cal.



MW: 9.8, VIS: 45

4000

1-3' flare  
MW: 9.8, VIS: 5110' flare on casing trip, gas  
buster on  
2 man unit released 1/7/13

TG, C1-C5

C

0

5

ROP (min/ft)

0

250

Gamma (API)

0

200

Resistivity

0

14060

14080

7000 TVD

14100

14120

14140

14160

14180

14

calc, abd intbd biocl, fr  
cut. SH; gy-dkgy, s  
sl cChalky Mrst: lt-md gr, v calc, abd intbd biocl, frm,  
sbplty, no sfl, slw str wh cut. SH; gy-dkgy, sft,  
plty-sbbky, sly, grty, v sl cal.Chalky Mrst: lt-md gr, v calc, abd intbd biocl, frm,  
sbplty, no sfl, slw str wh cut. SH; gy-dkgy, sft,  
plty-sbbky, sly, grty, v sl cal.