



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

|                          |  |                     |            |
|--------------------------|--|---------------------|------------|
| Well Name:               | Gittlein 30C-28HZ                        |                     |            |
| Location:                | Weld County, CO                          |                     |            |
| License Number:          | 05123363480000                           | Region:             | DJ Basin   |
| Spud Date:               | 09/19/2013                               | Drilling Completed: | 09/28/2013 |
| Surface Coordinates:     | 175' FSL, 1138' FWL<br>Sec 33, T2N, R65W |                     |            |
| Bottom Hole Coordinates: | 2188' FSL, 330' FWL<br>Sec 28, T2N, R65W |                     |            |
| Ground Elevation (m):    | 4917'                                    | K.B. Elevation (m): | 4942'      |
| Logged Interval (m):     | 7480'                                    | To:                 | 14452'     |
| Formation:               | Codell                                   | Total Depth (m):    | 14452'     |
| Type of Drilling Fluid:  | Water Based Mud                          |                     |            |

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

#### OPERATOR

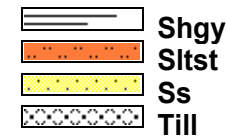
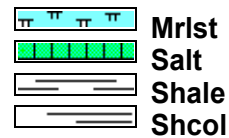
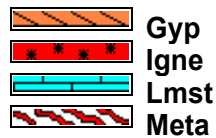
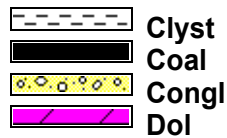
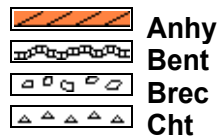
Company: Anadarko Petroleum Corporation  
Address: Granite Tower  
1099 18th St., Suite 1800  
Denver, CO 80202

## GEOLOGIST

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

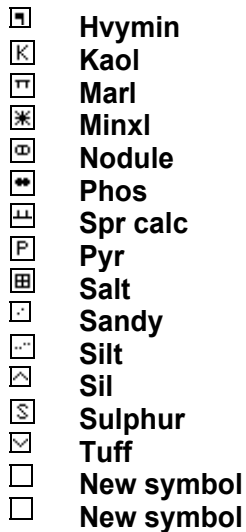
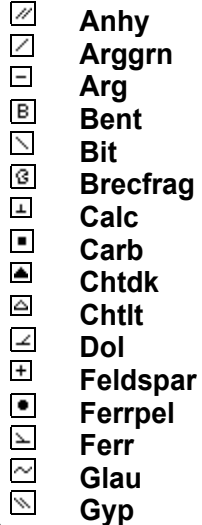
## Comments

## ROCK TYPES

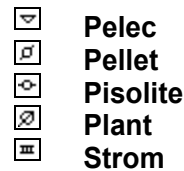
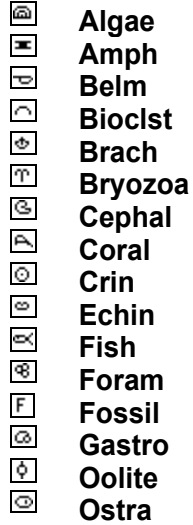


## ACCESSORIES

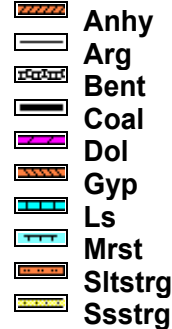
### MINERAL



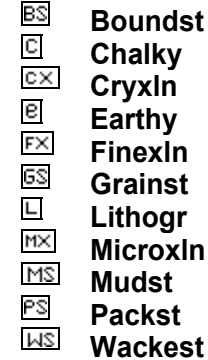
### FOSSIL



### 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

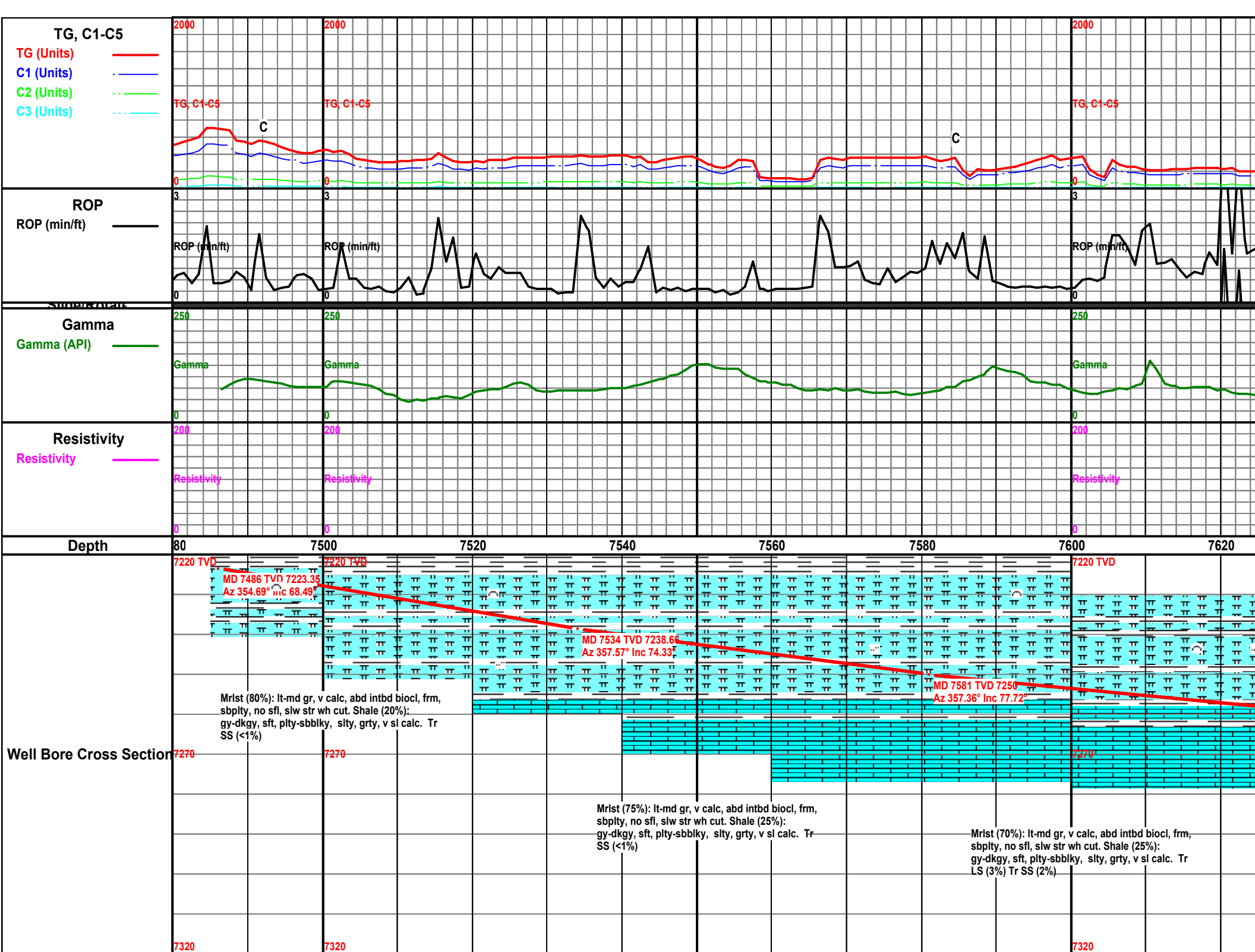
### EVENT



Rft

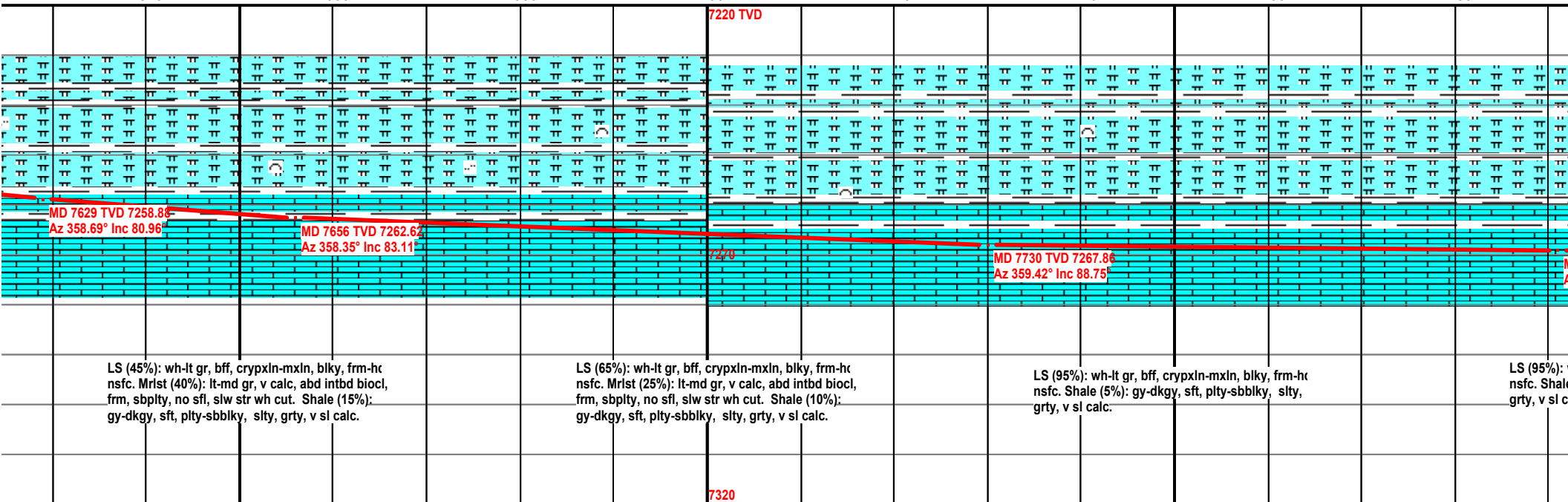
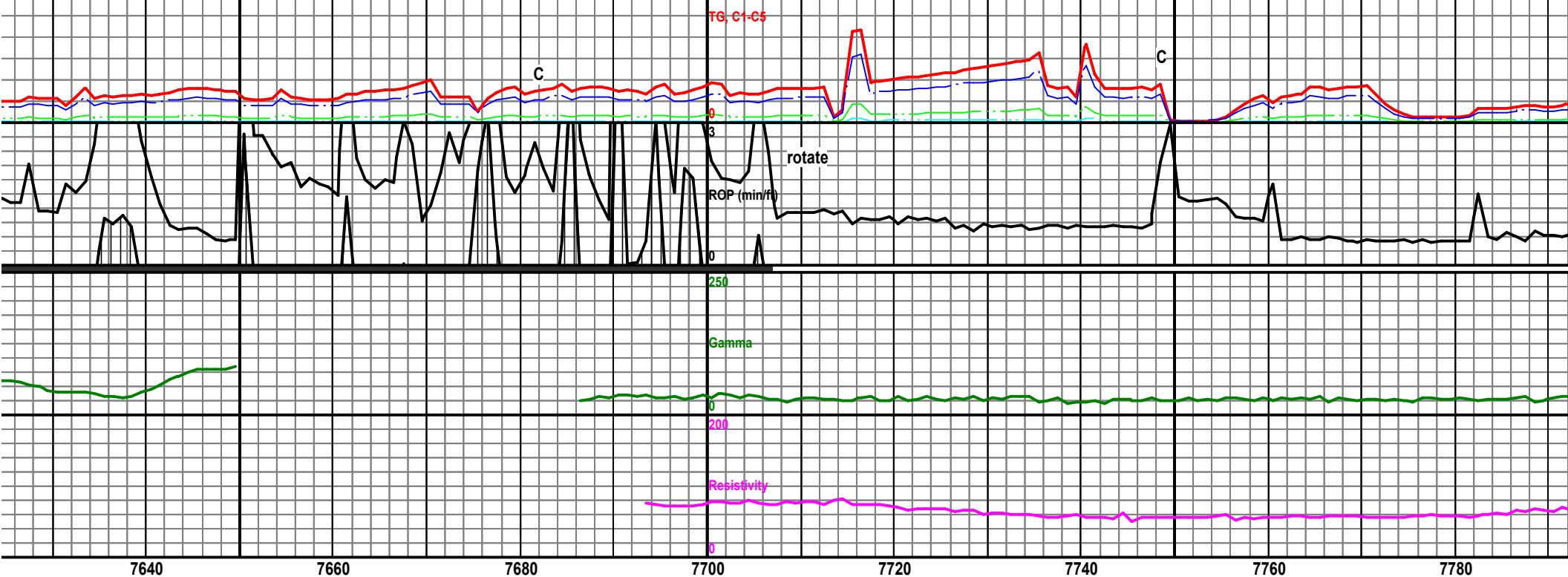


Sidewall

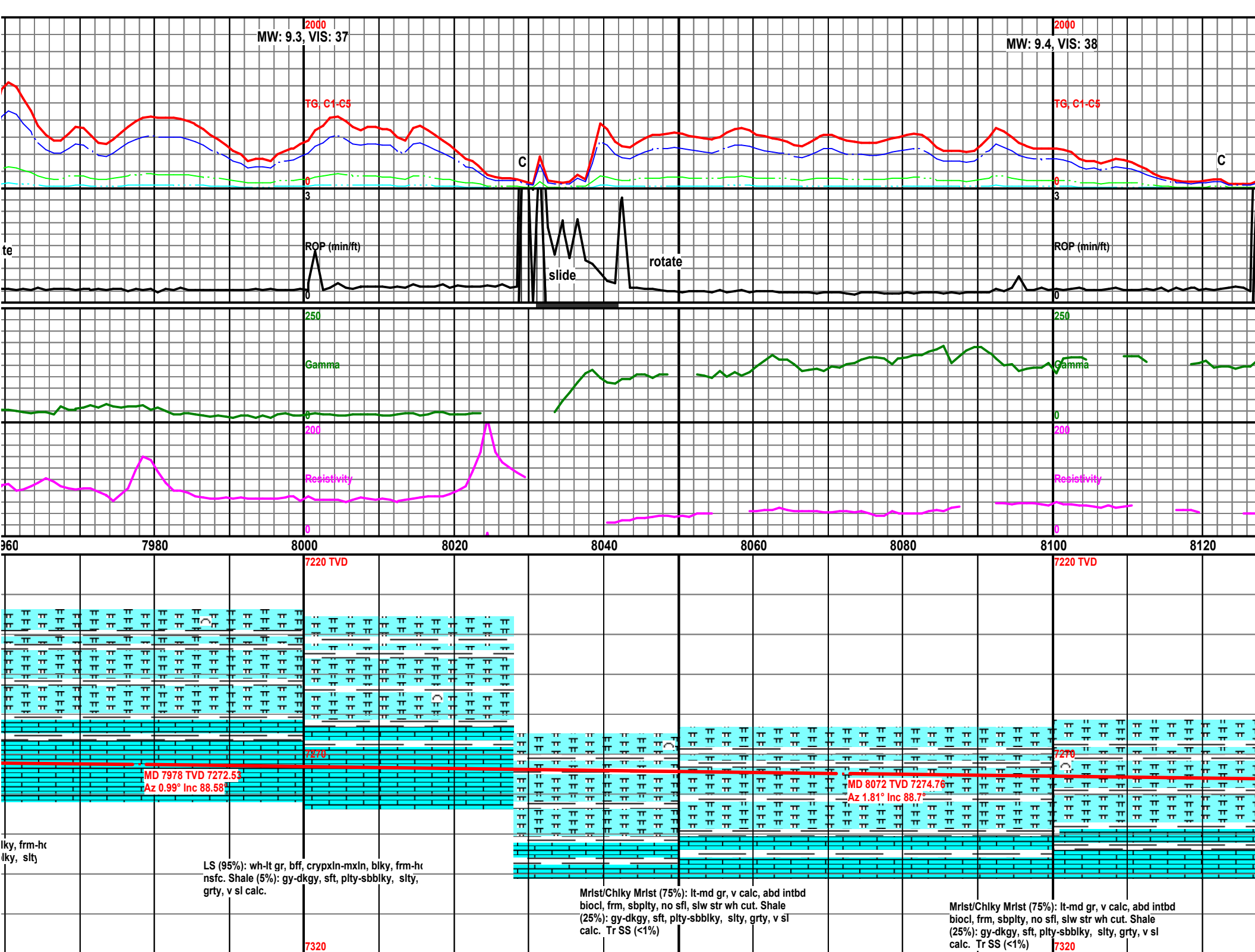


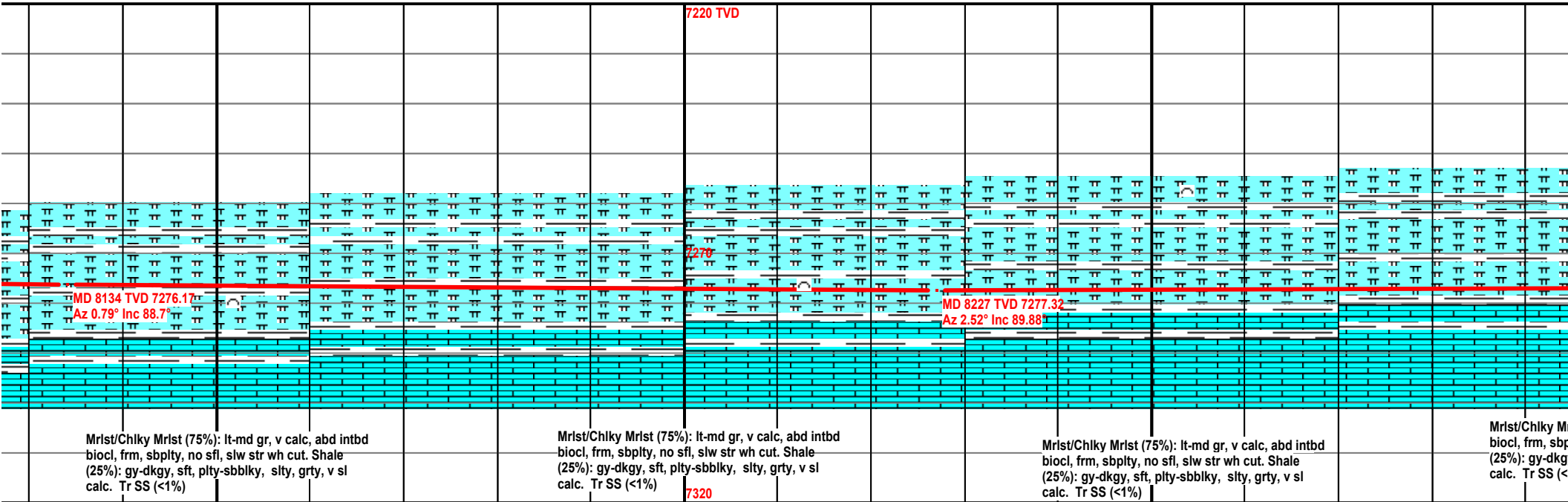
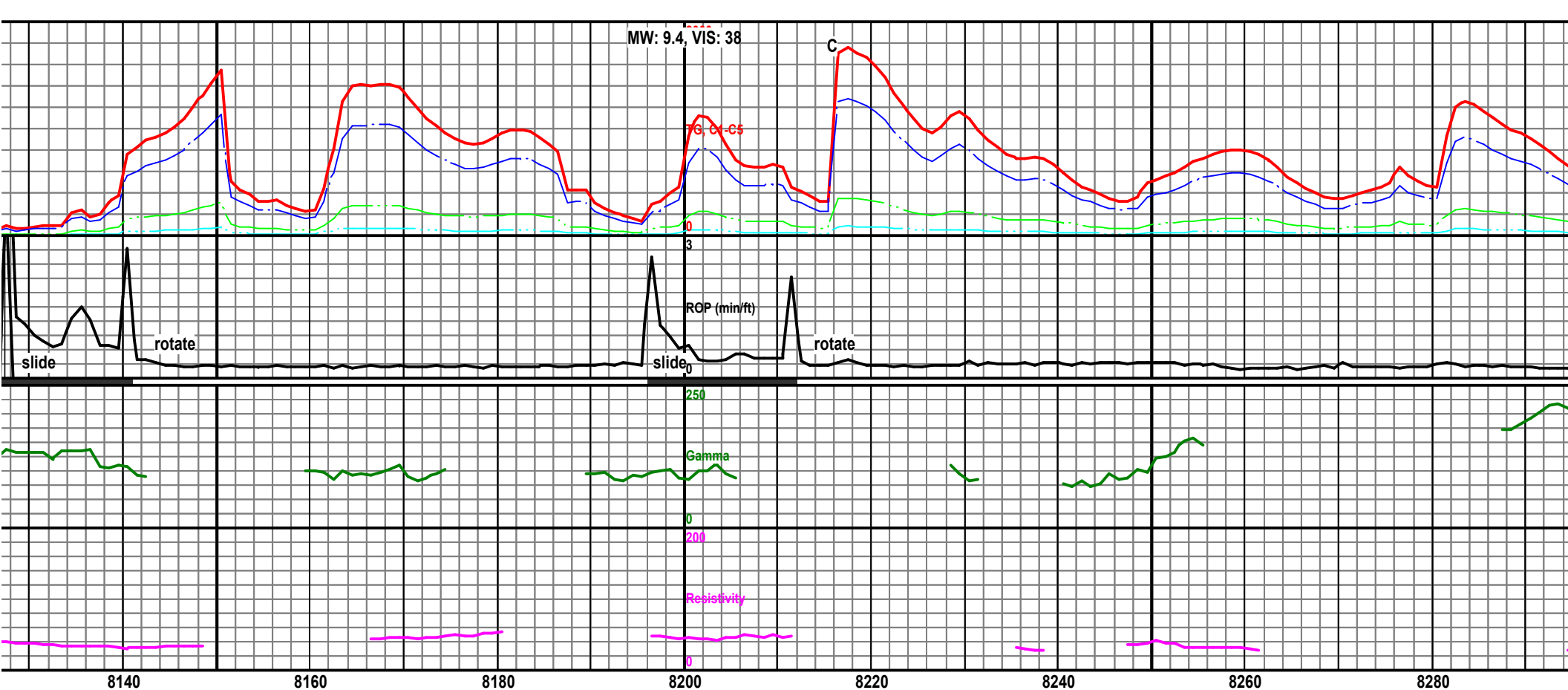
TD @ 6:00 AM 9/22/13  
B.O.B. @ 6:10 PM 9/24/13

MW: 9.2, VIS: 37

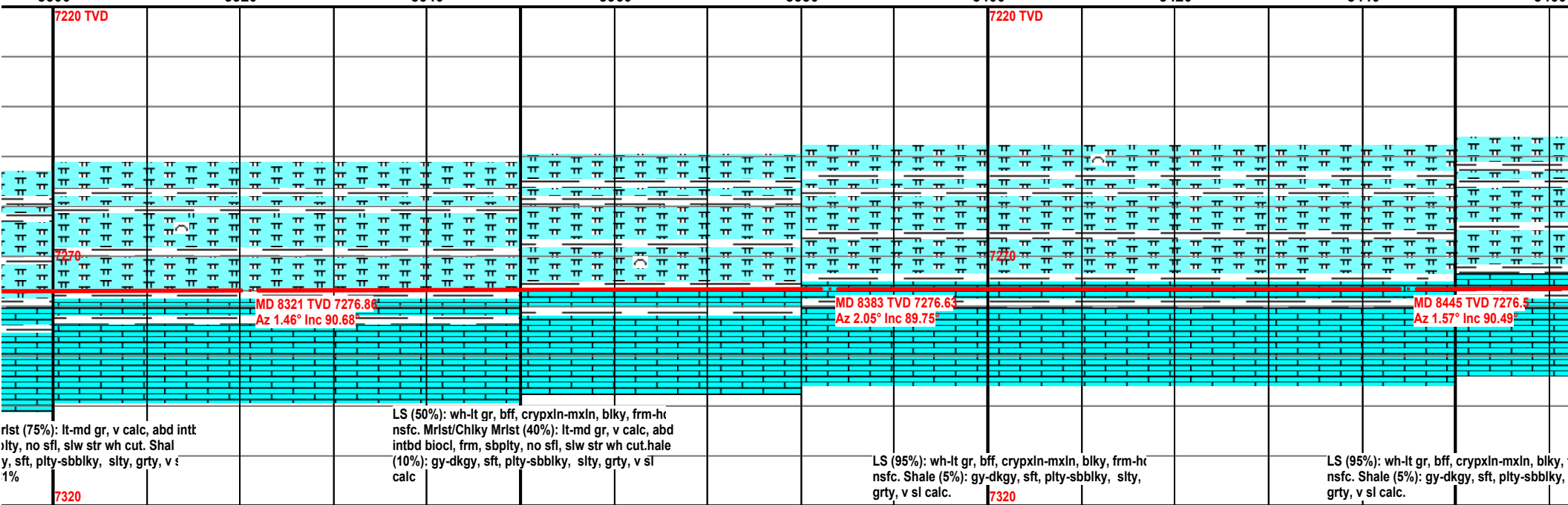
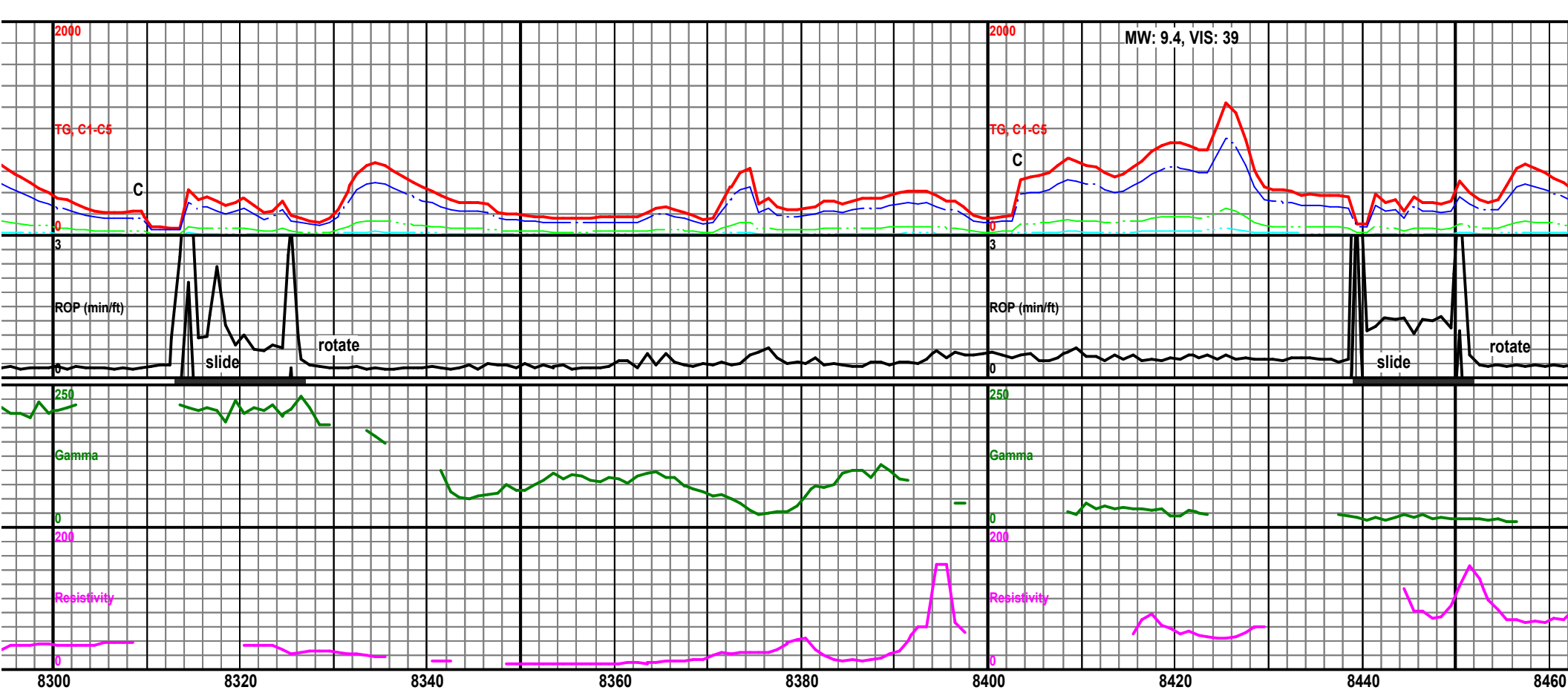


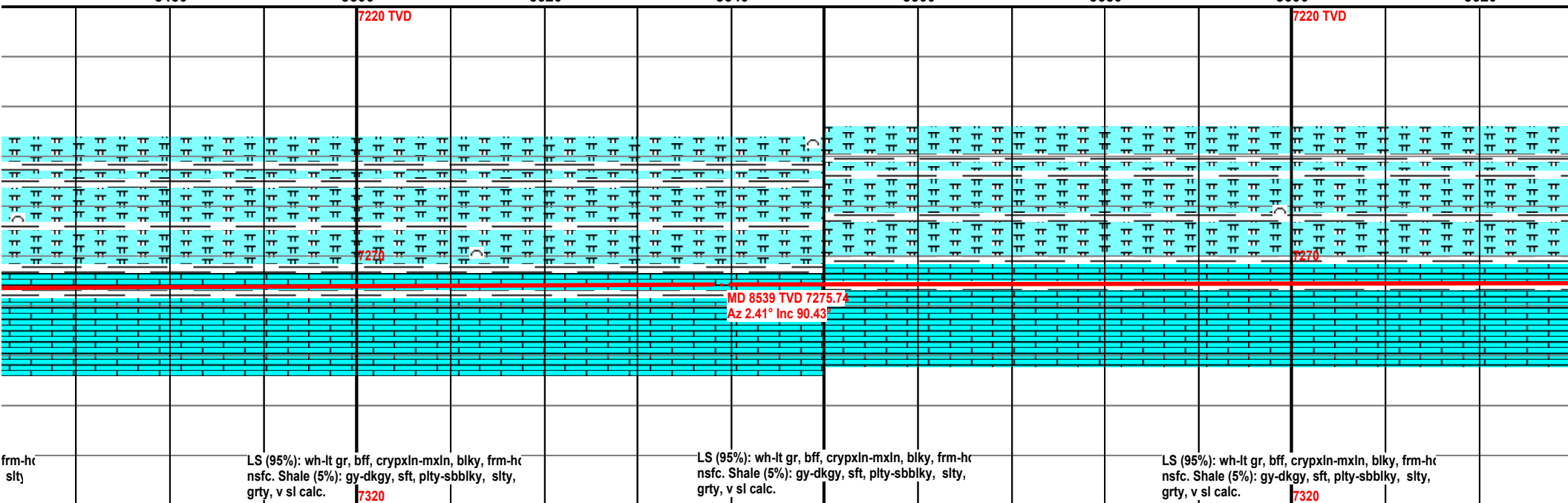
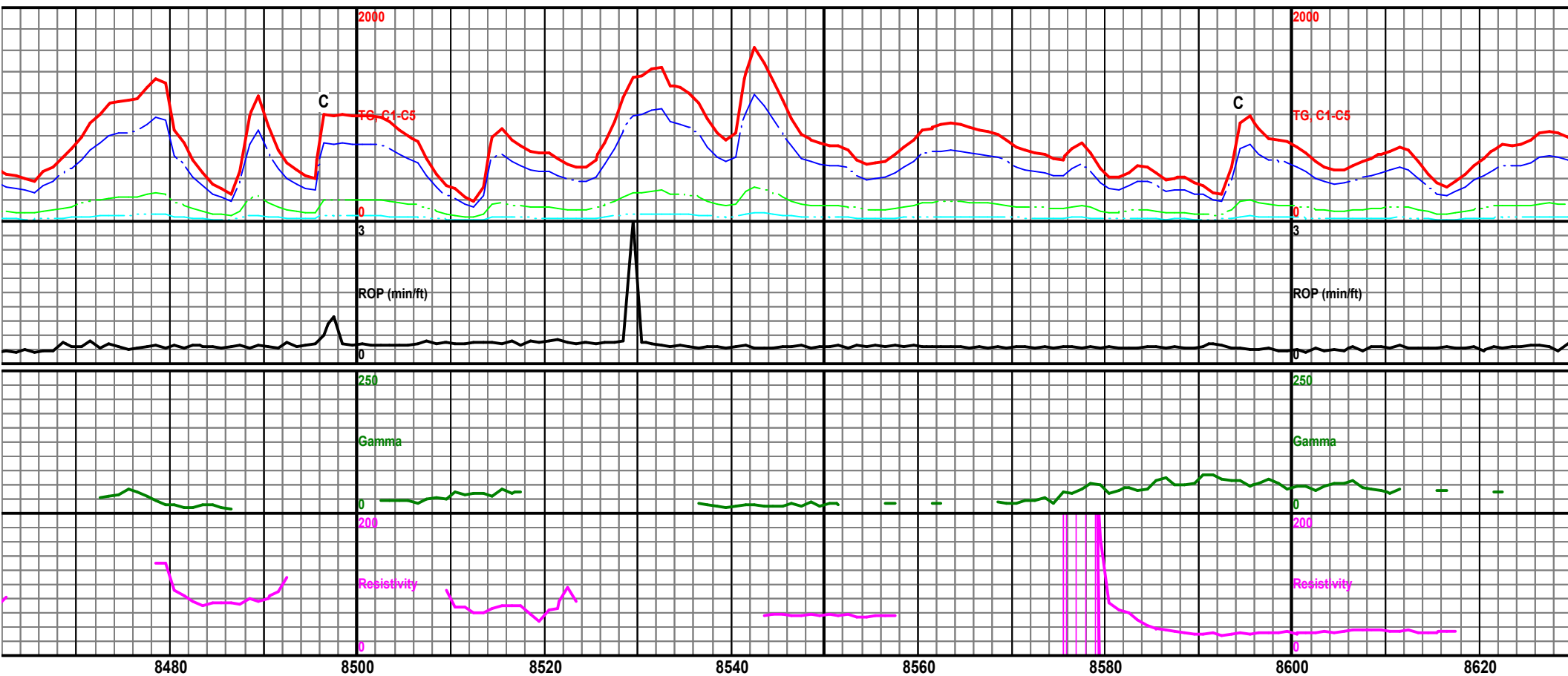


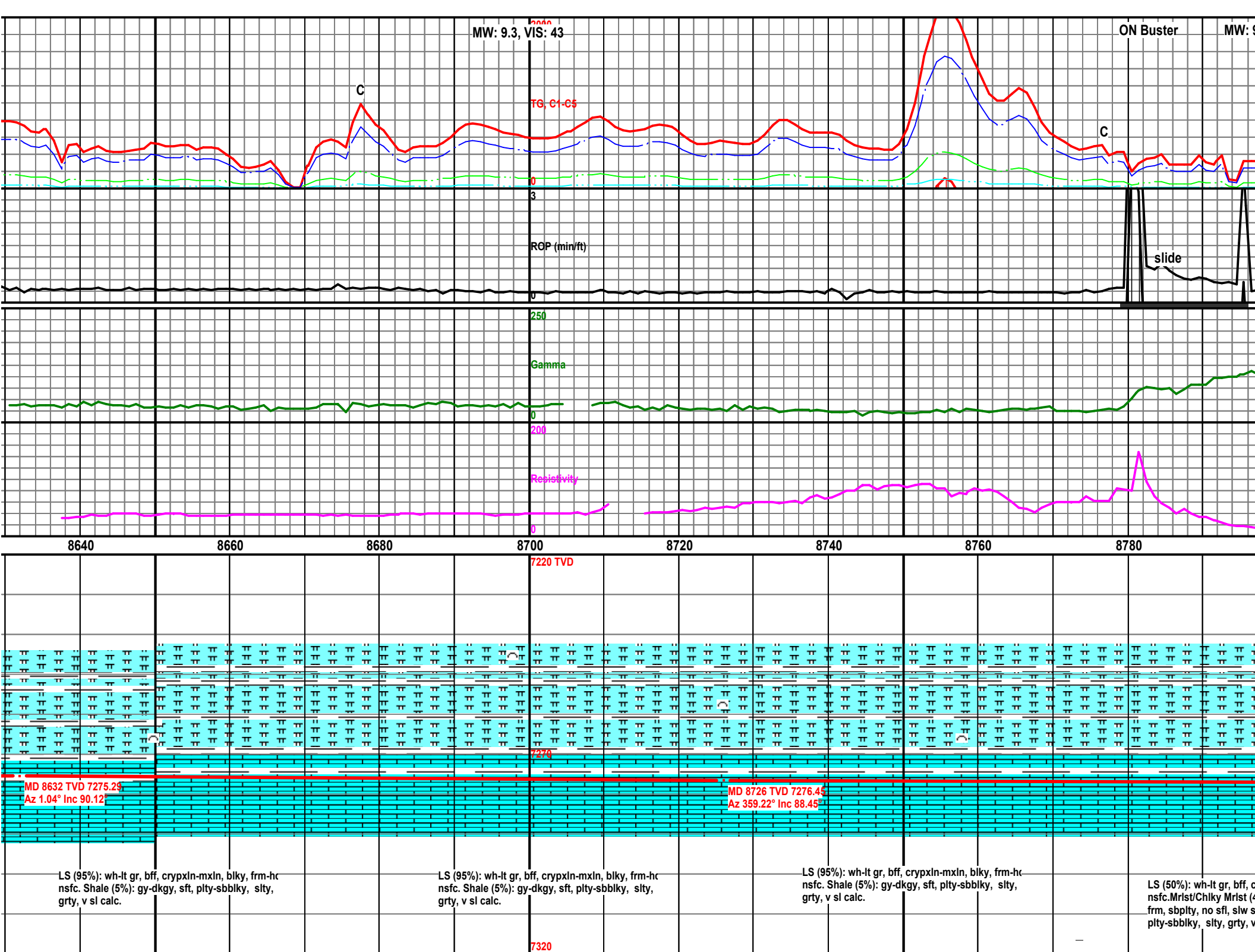


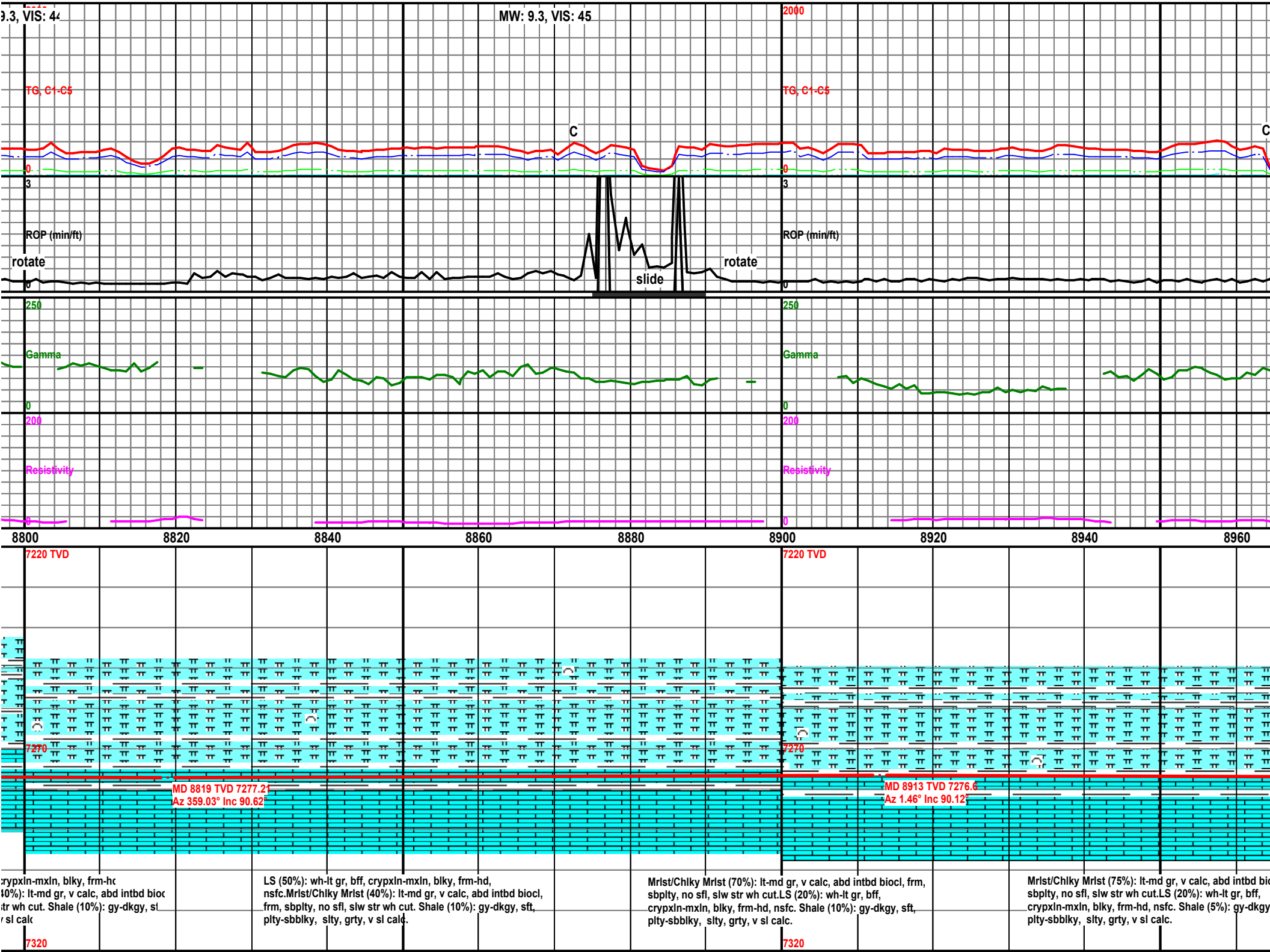


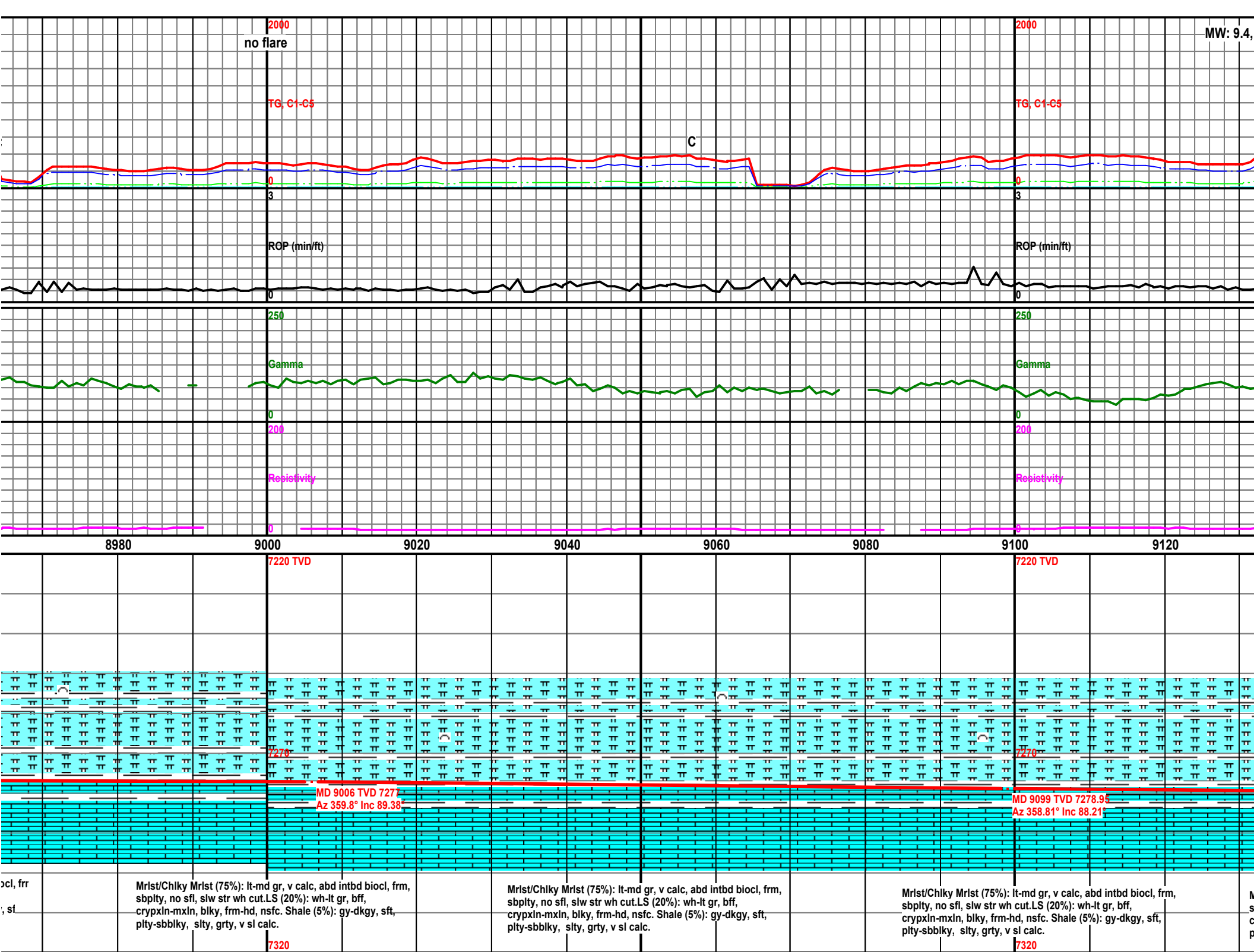


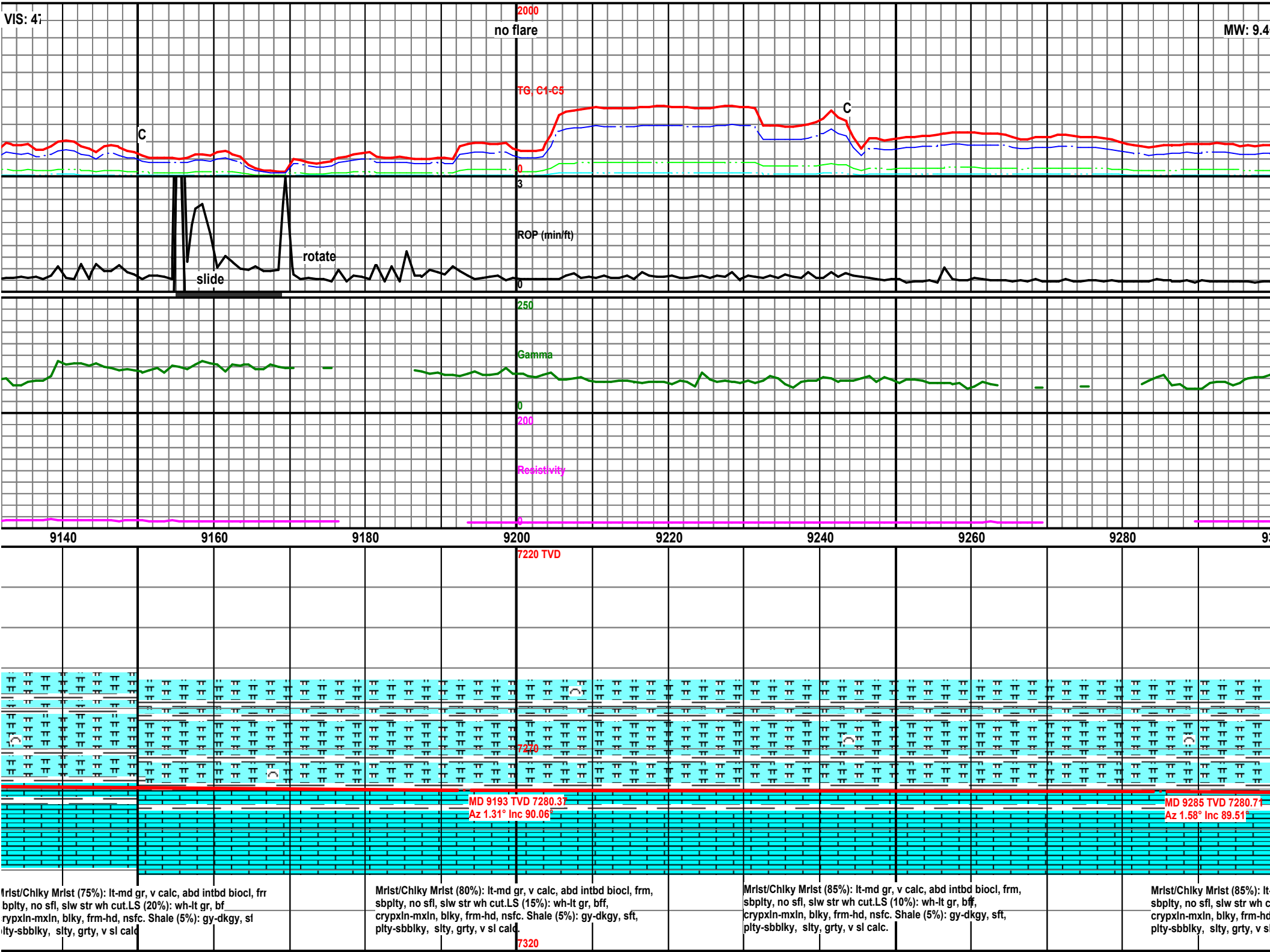


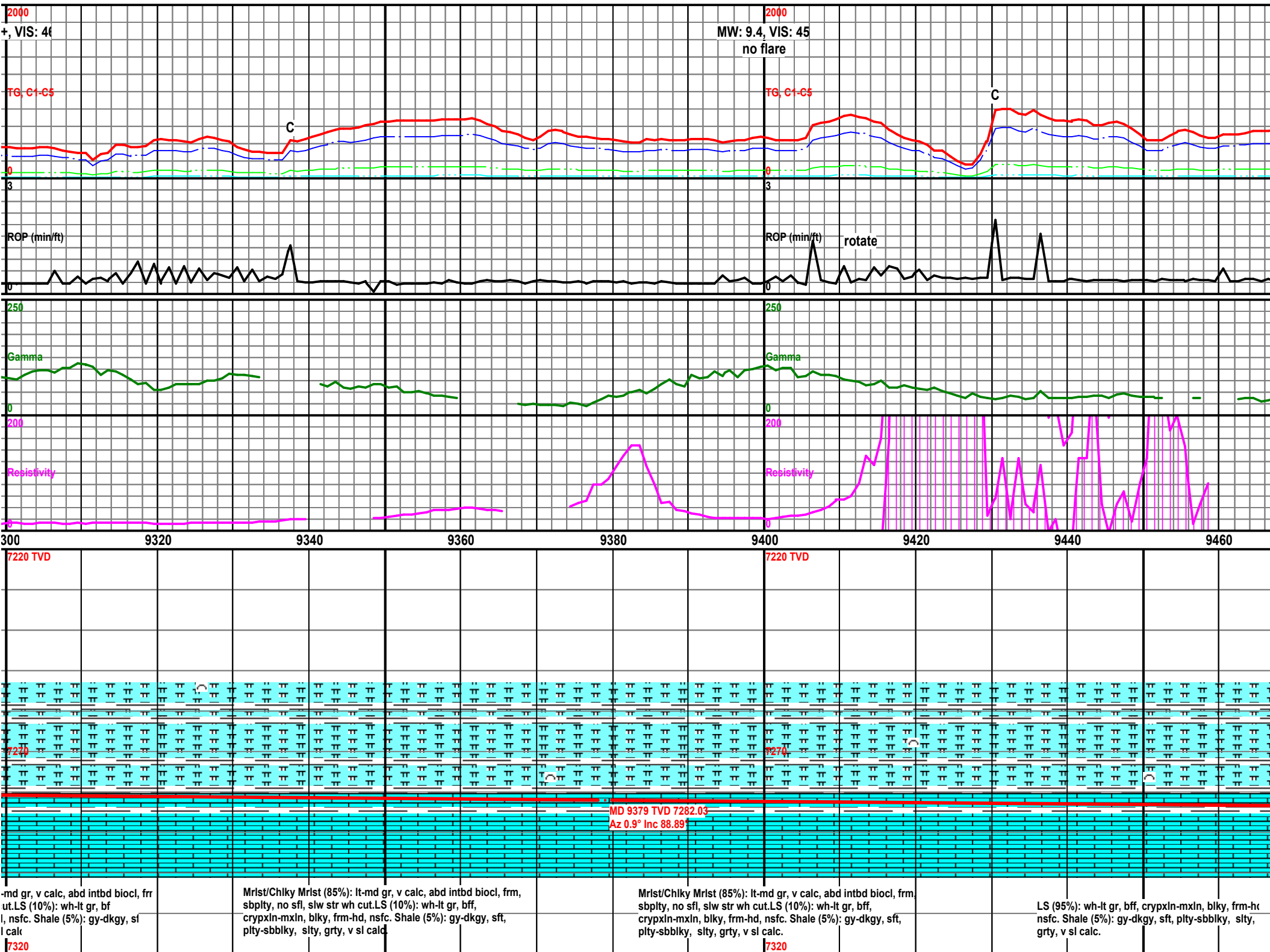


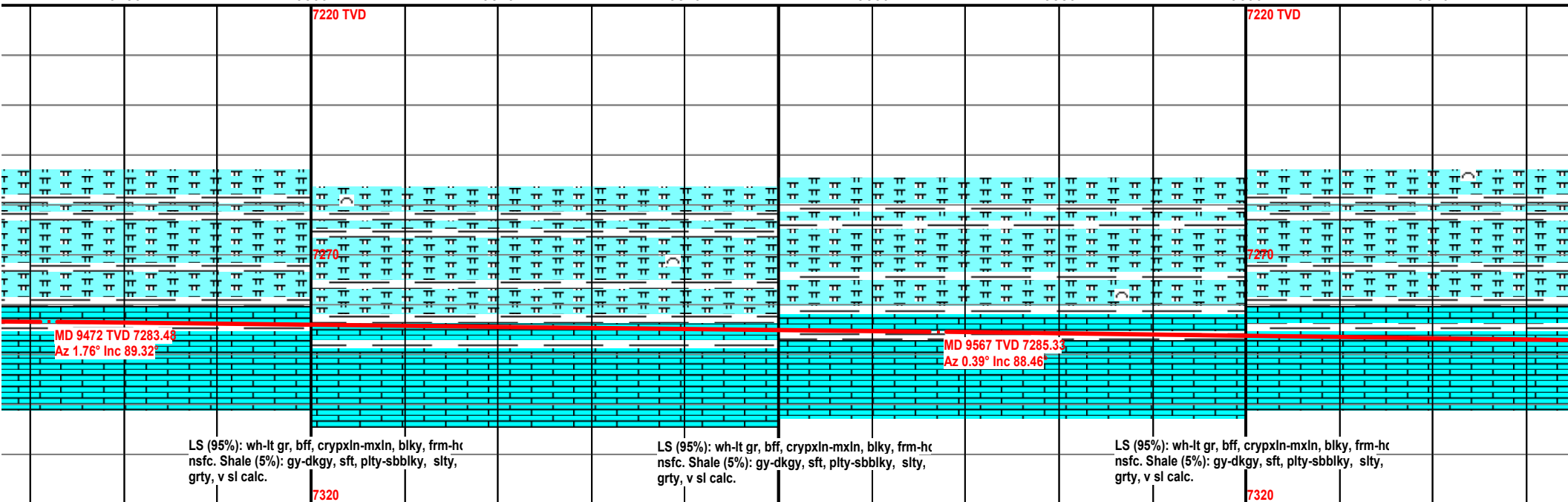
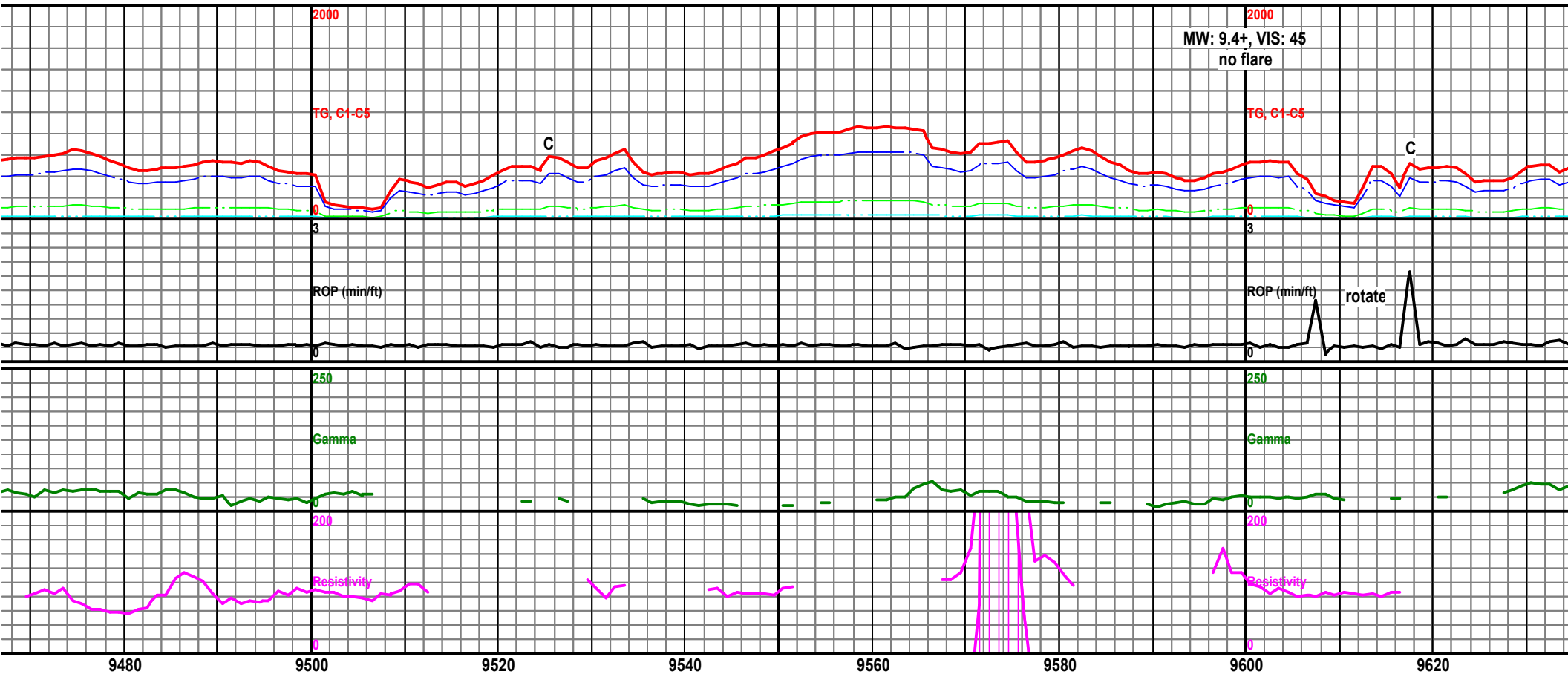




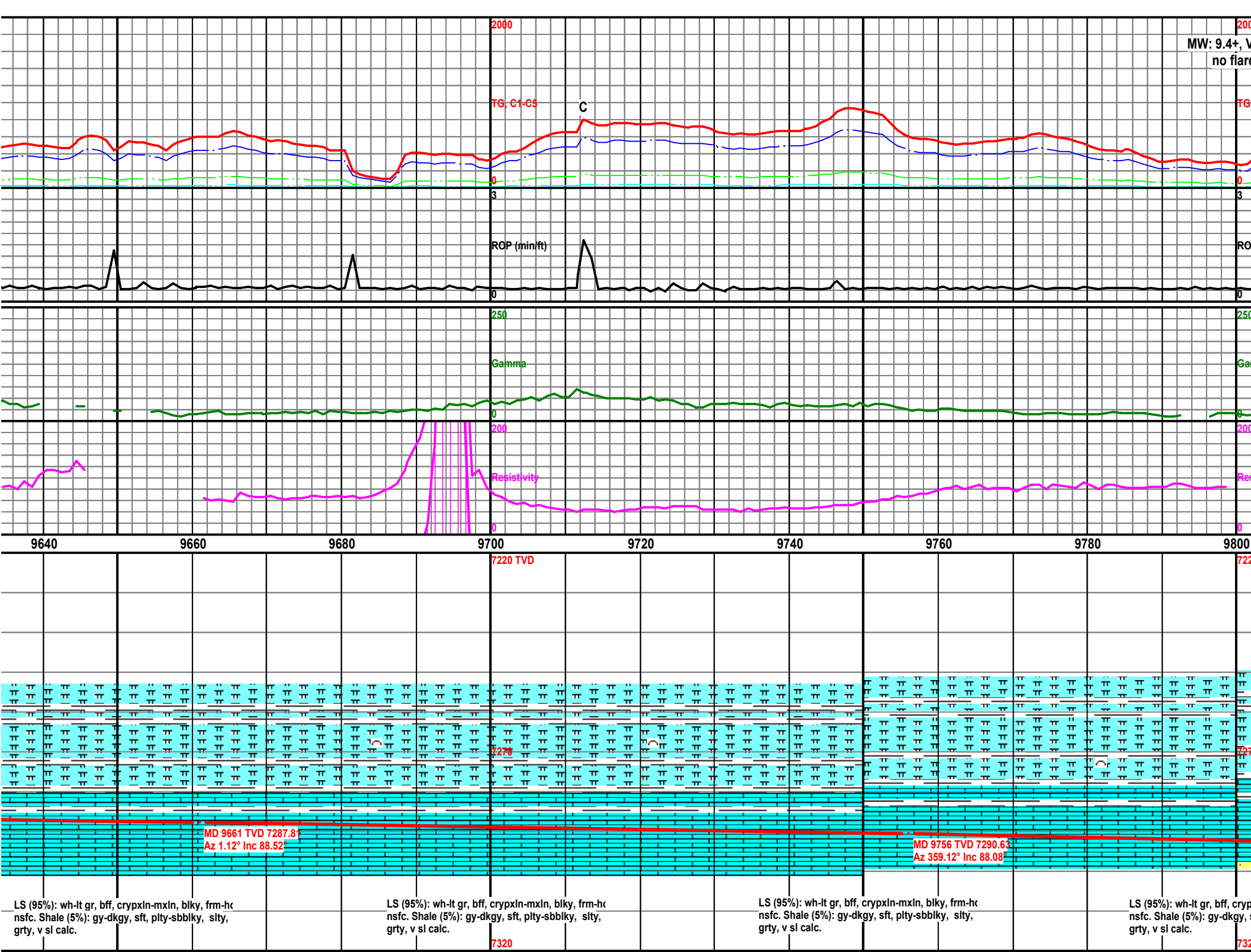


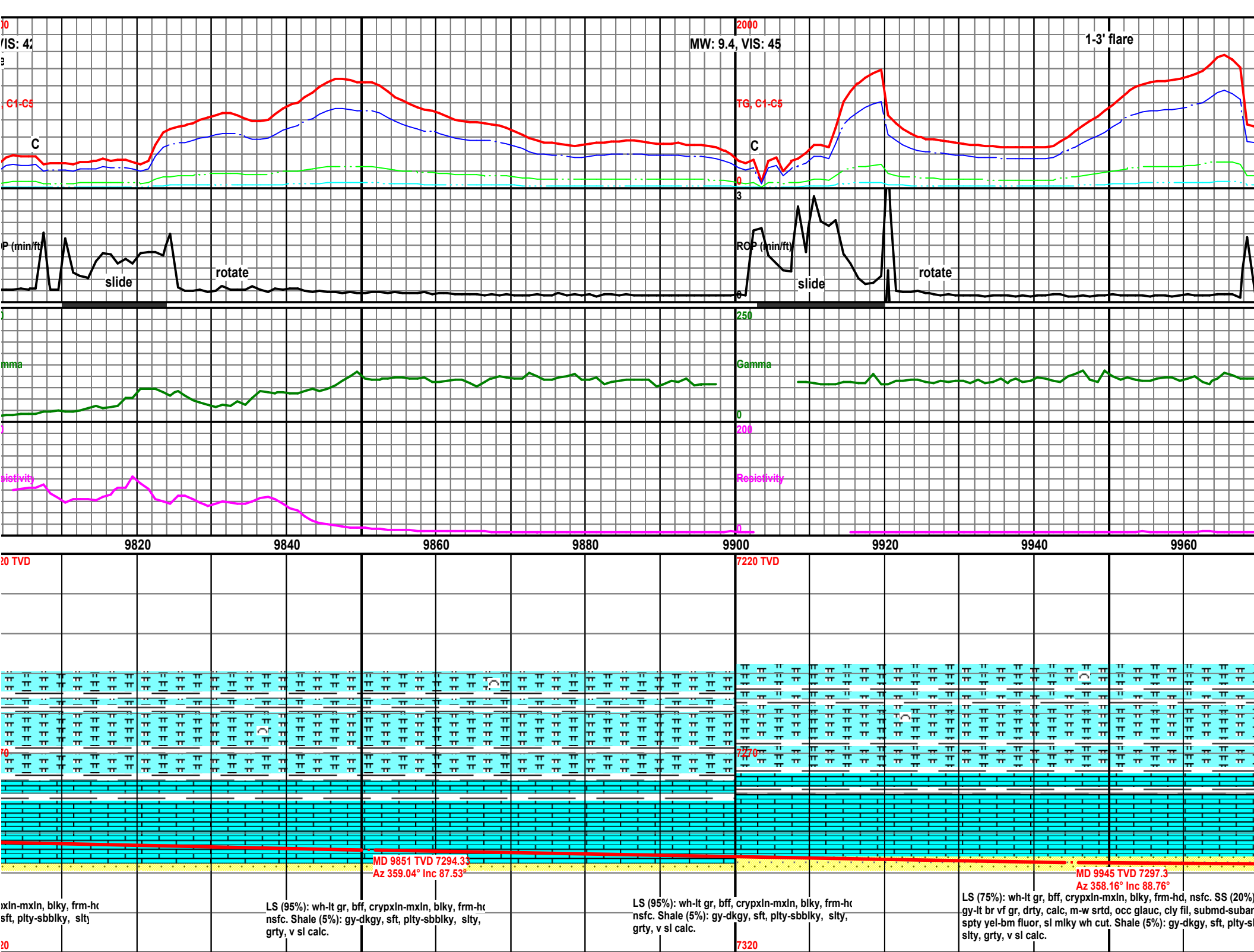


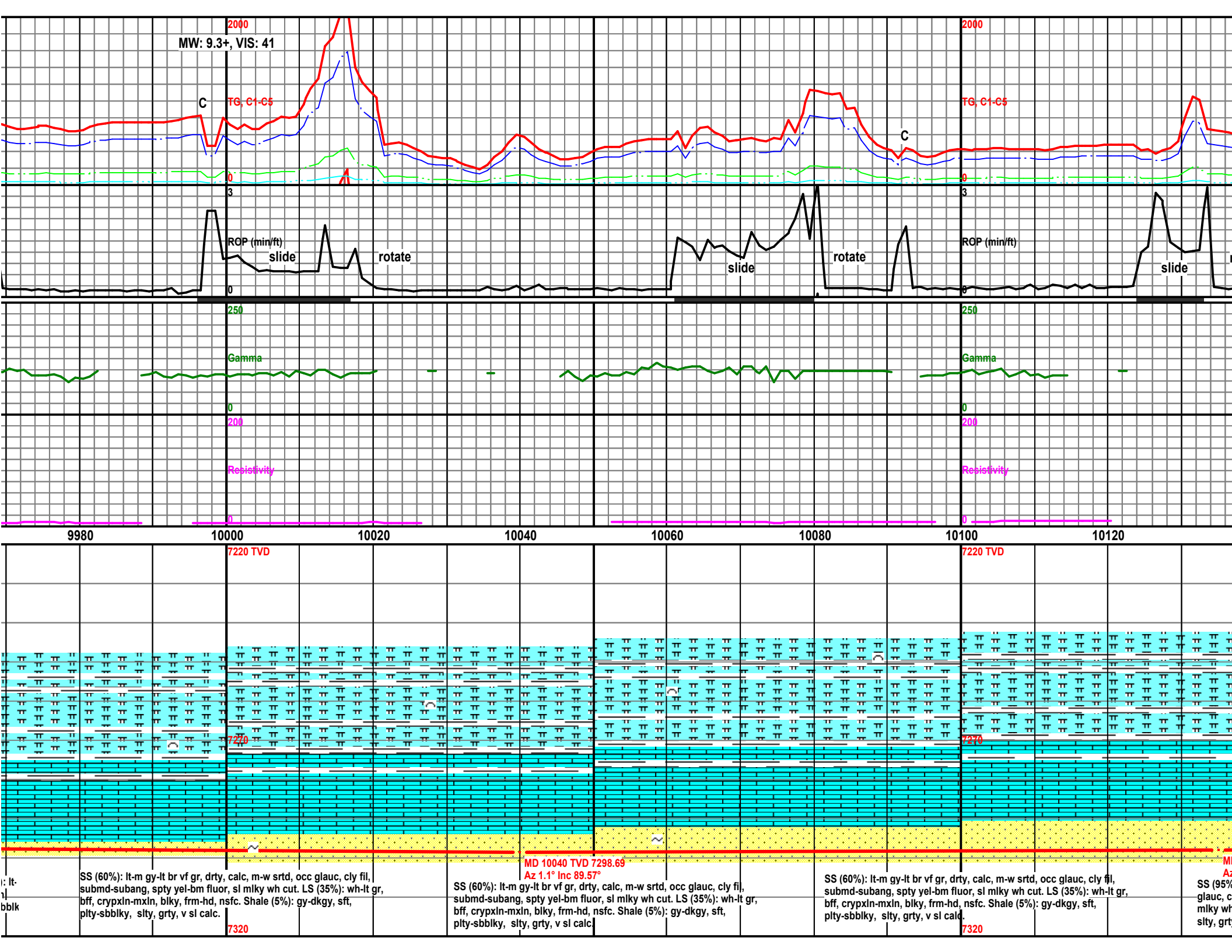


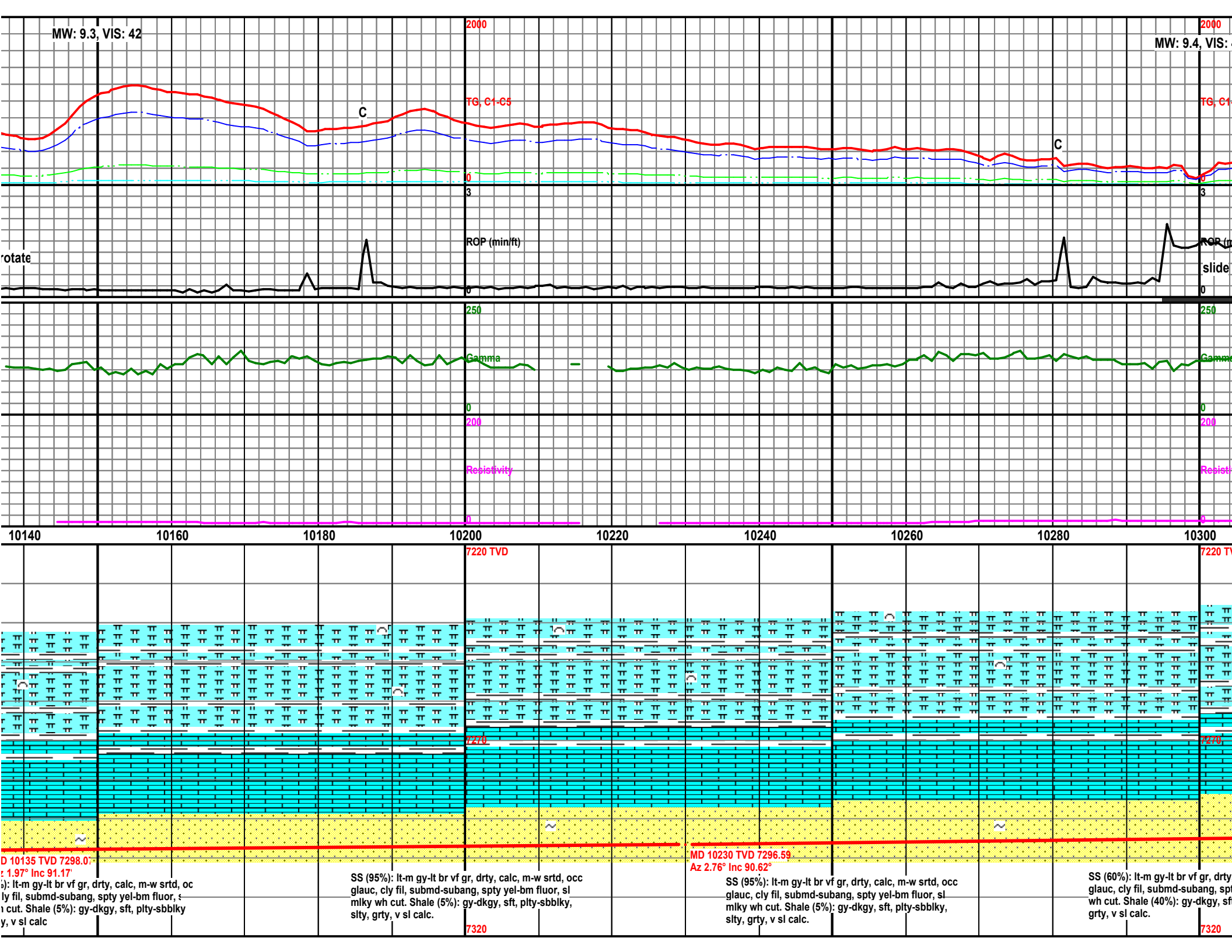


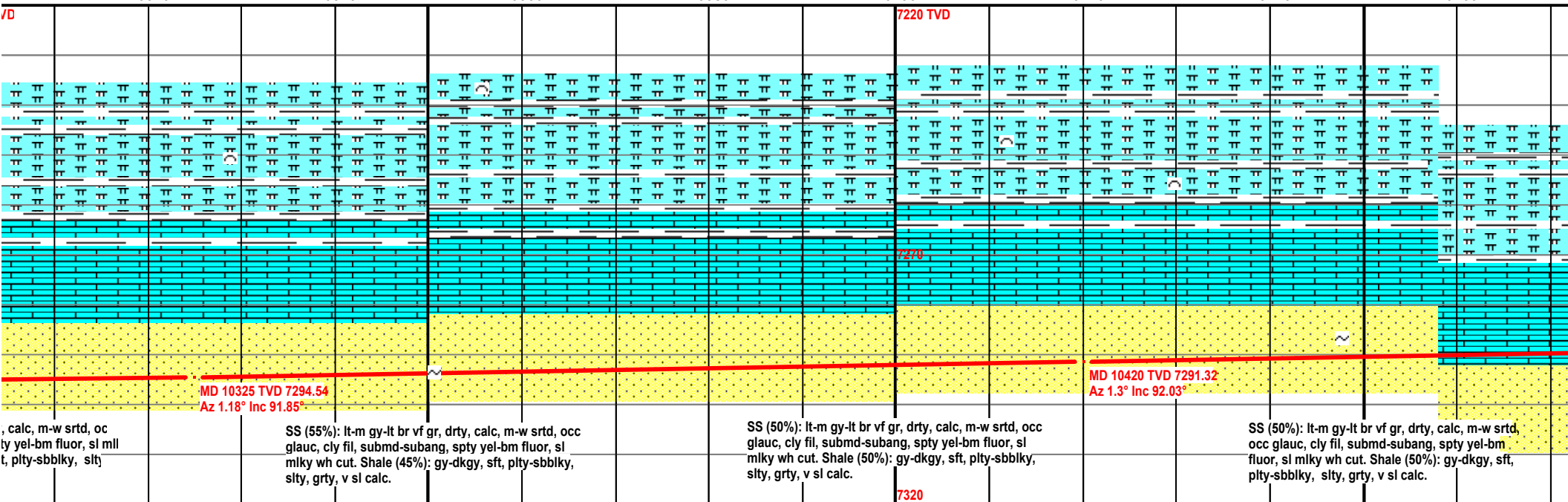
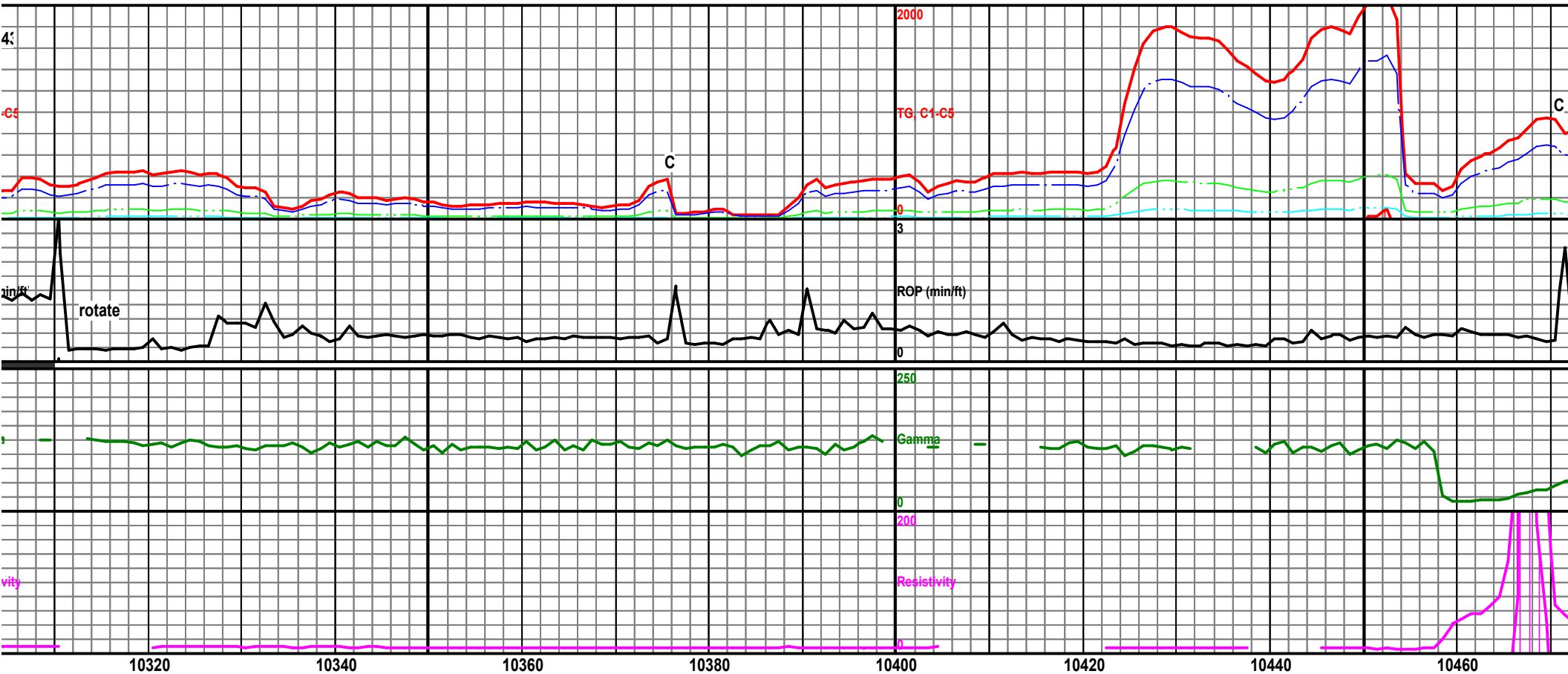




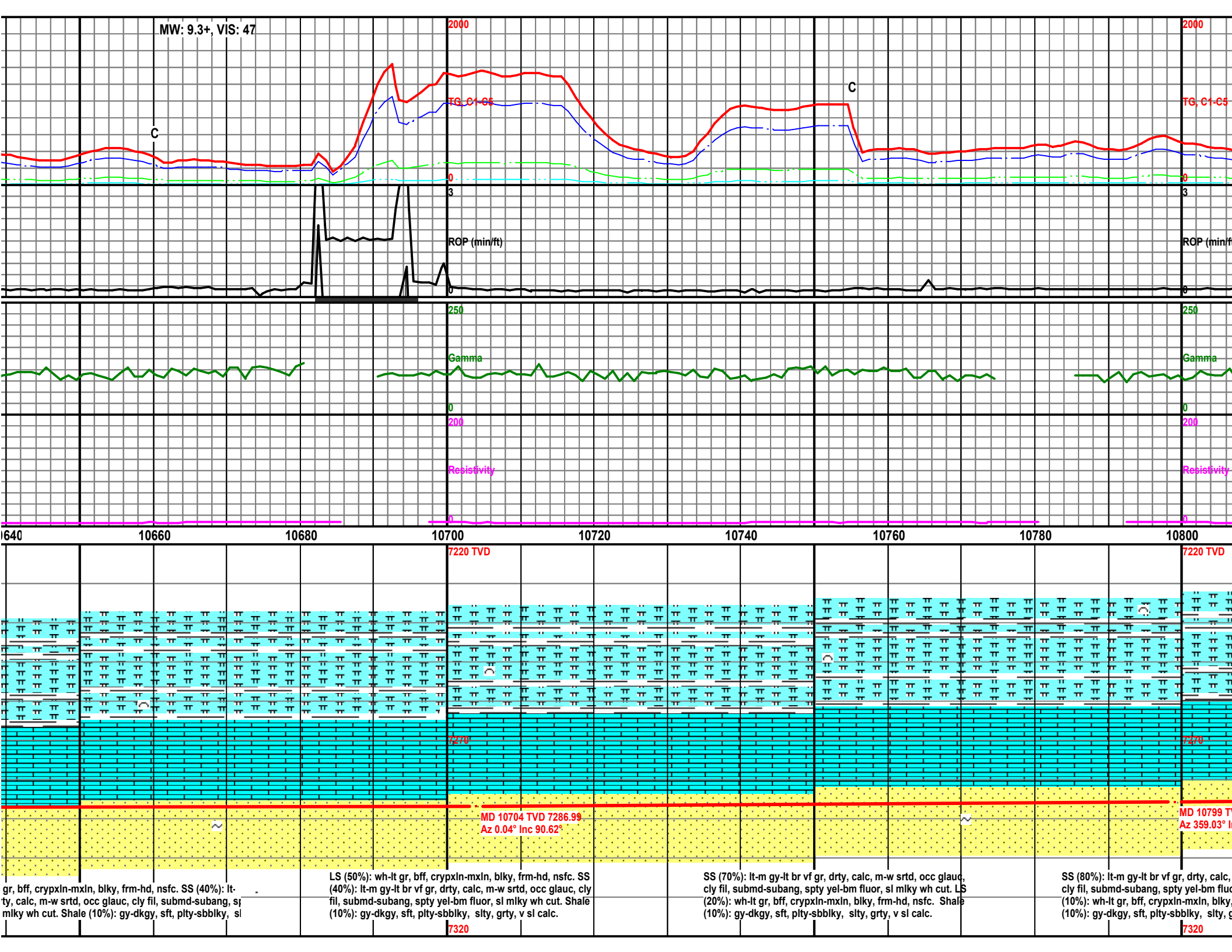






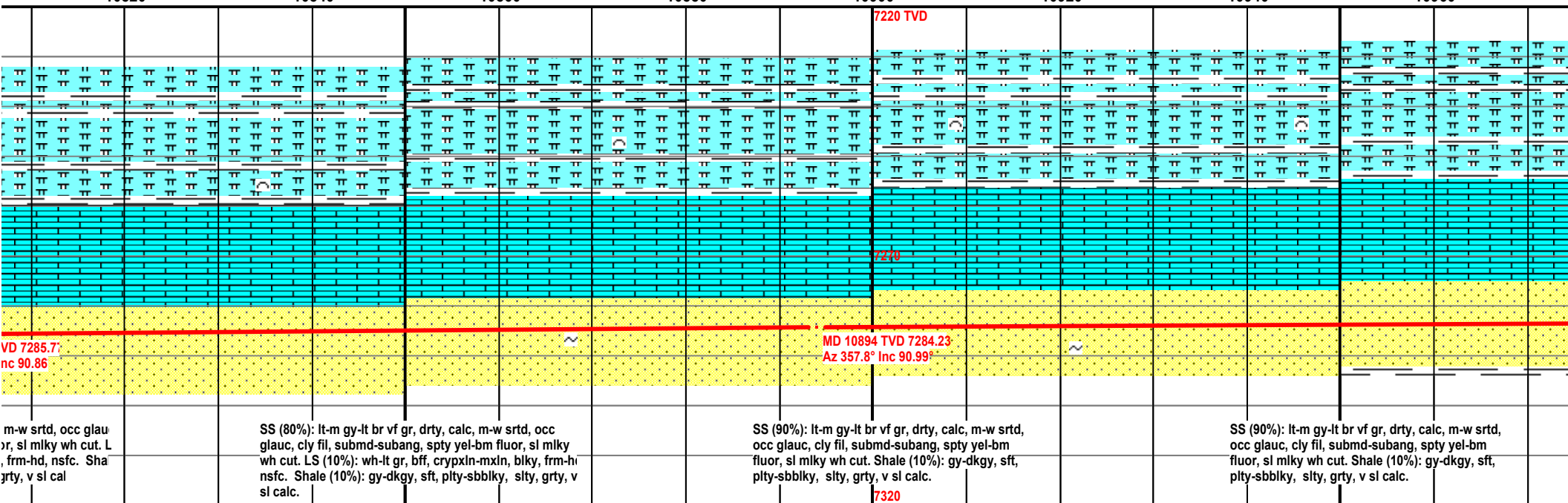
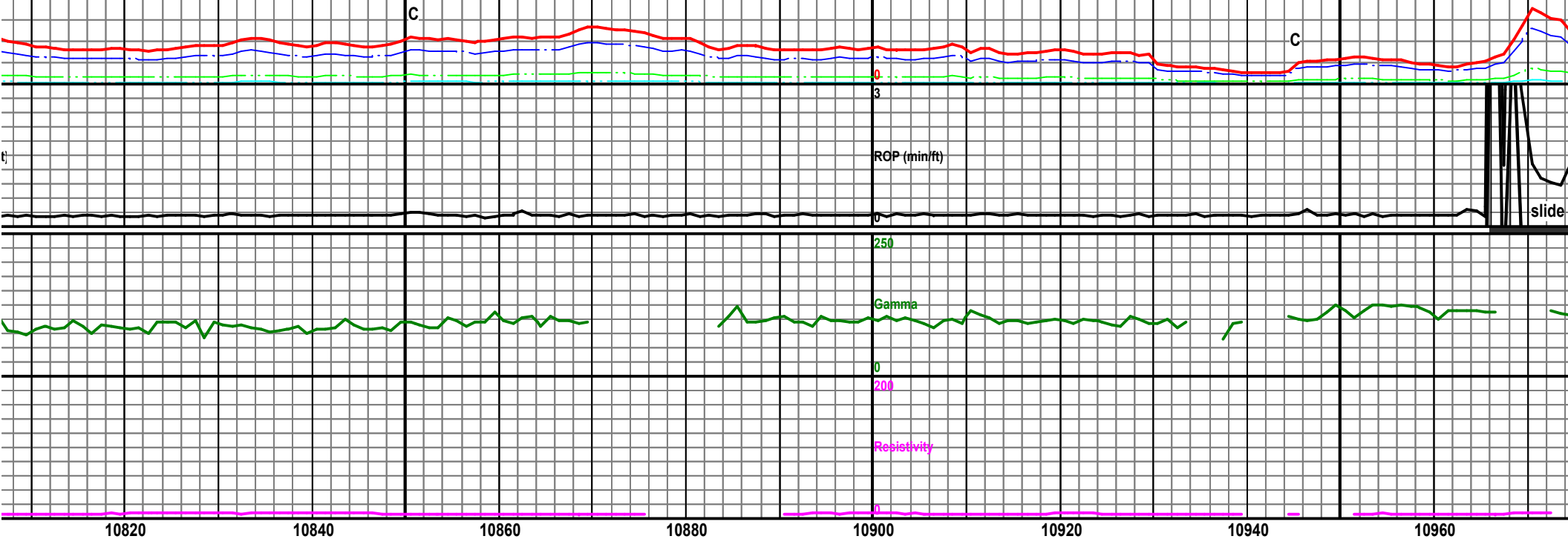




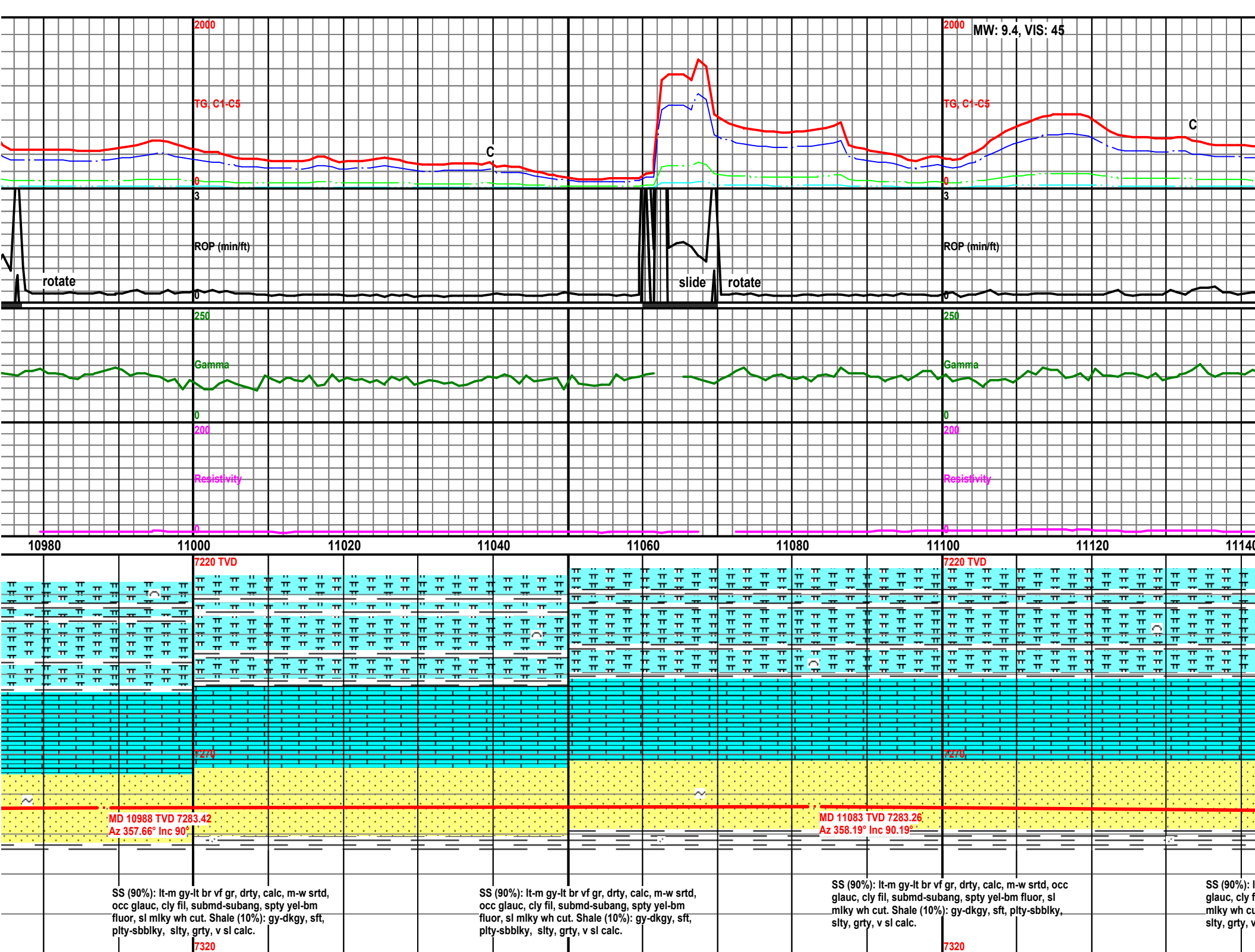


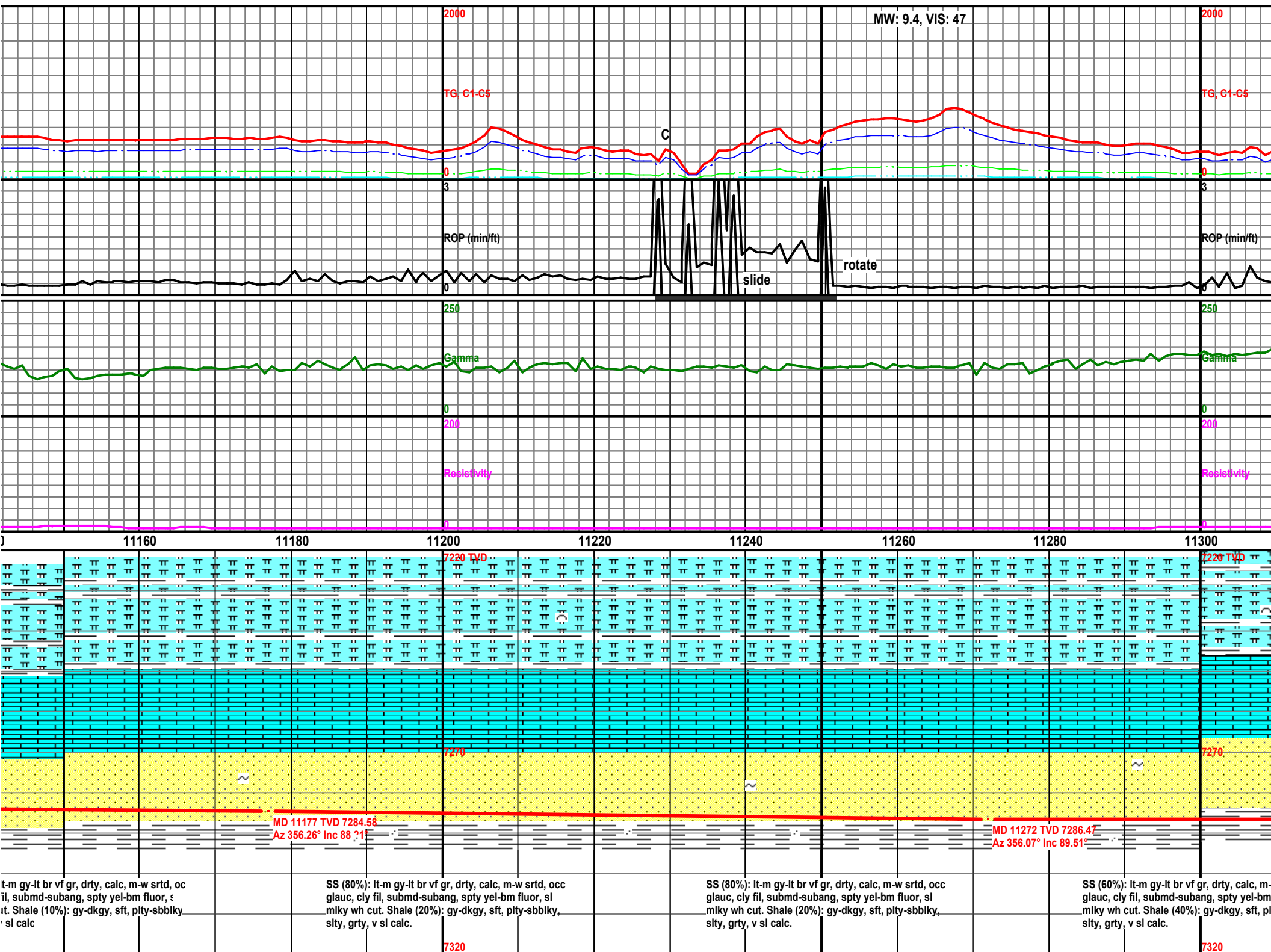
MW: 9.4+, VIS: 45

MW: 9.4+, VIS: 47





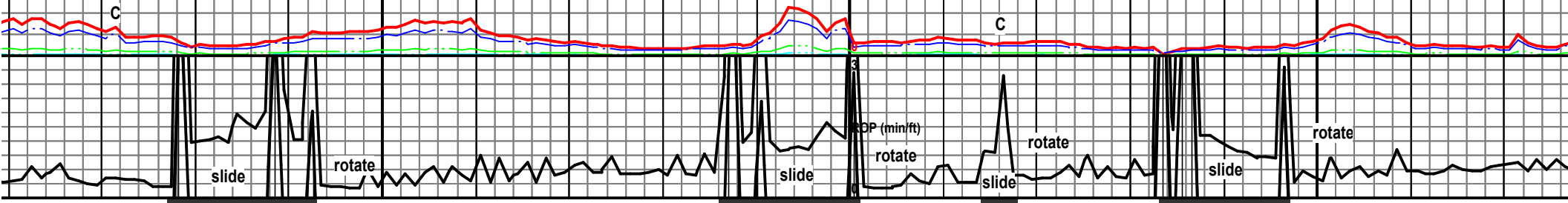




MW: 9.3, VIS: 47

2000

TG, C1-C5



250

Gamma

0

200

Resistivity

0

11320

11340

11360

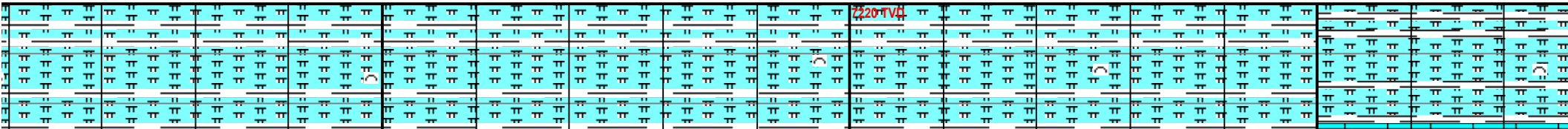
11380

11400

11420

11440

11460



2220-TVD

7270

MD 11366 TVD 7286.62  
Az 355.77° Inc 90.31°

MD 11461 TVD 7285.29  
Az 358.35° Inc 91.3°

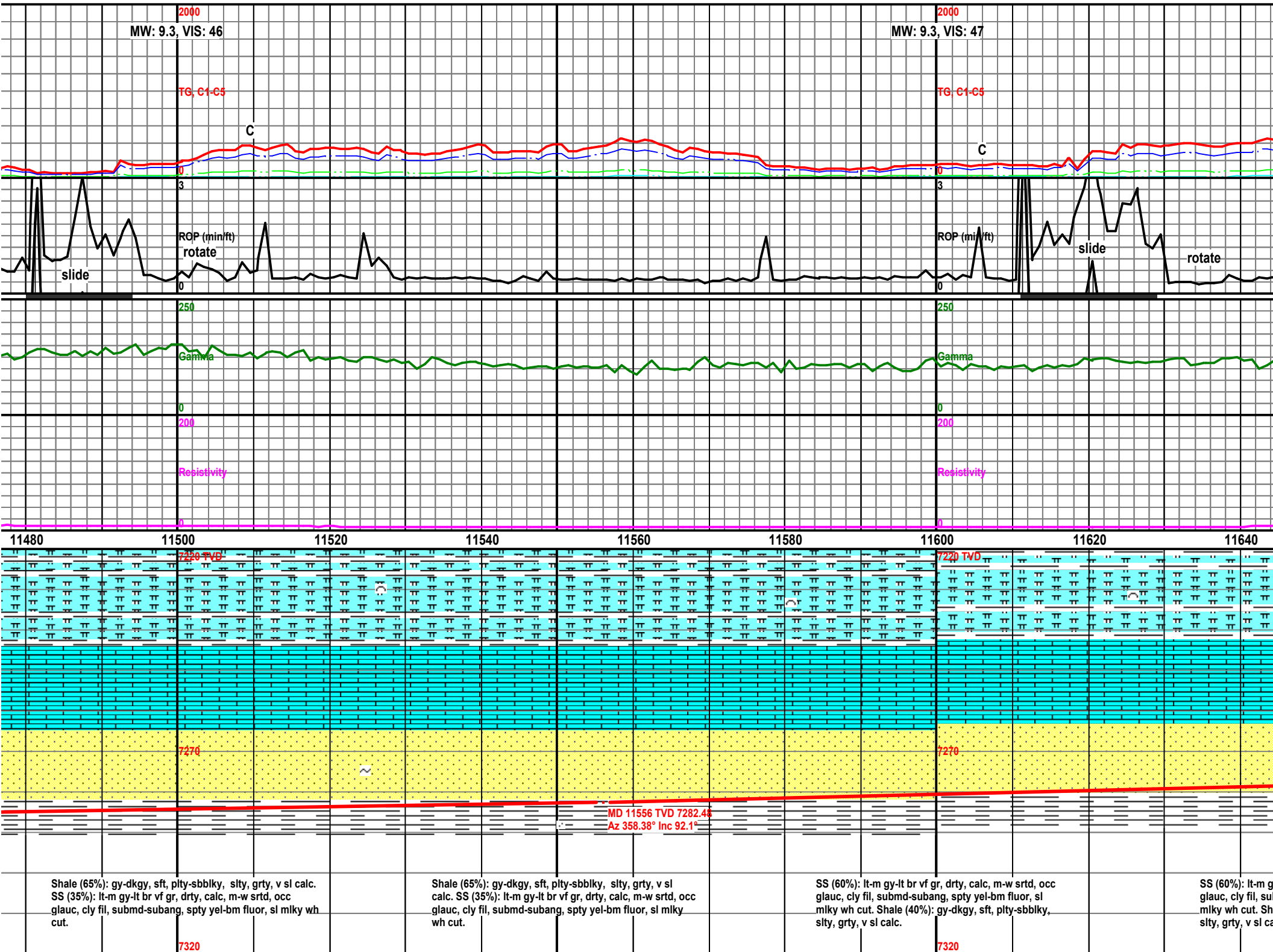
w srted, oc  
fluor, s  
ity-sbbiky

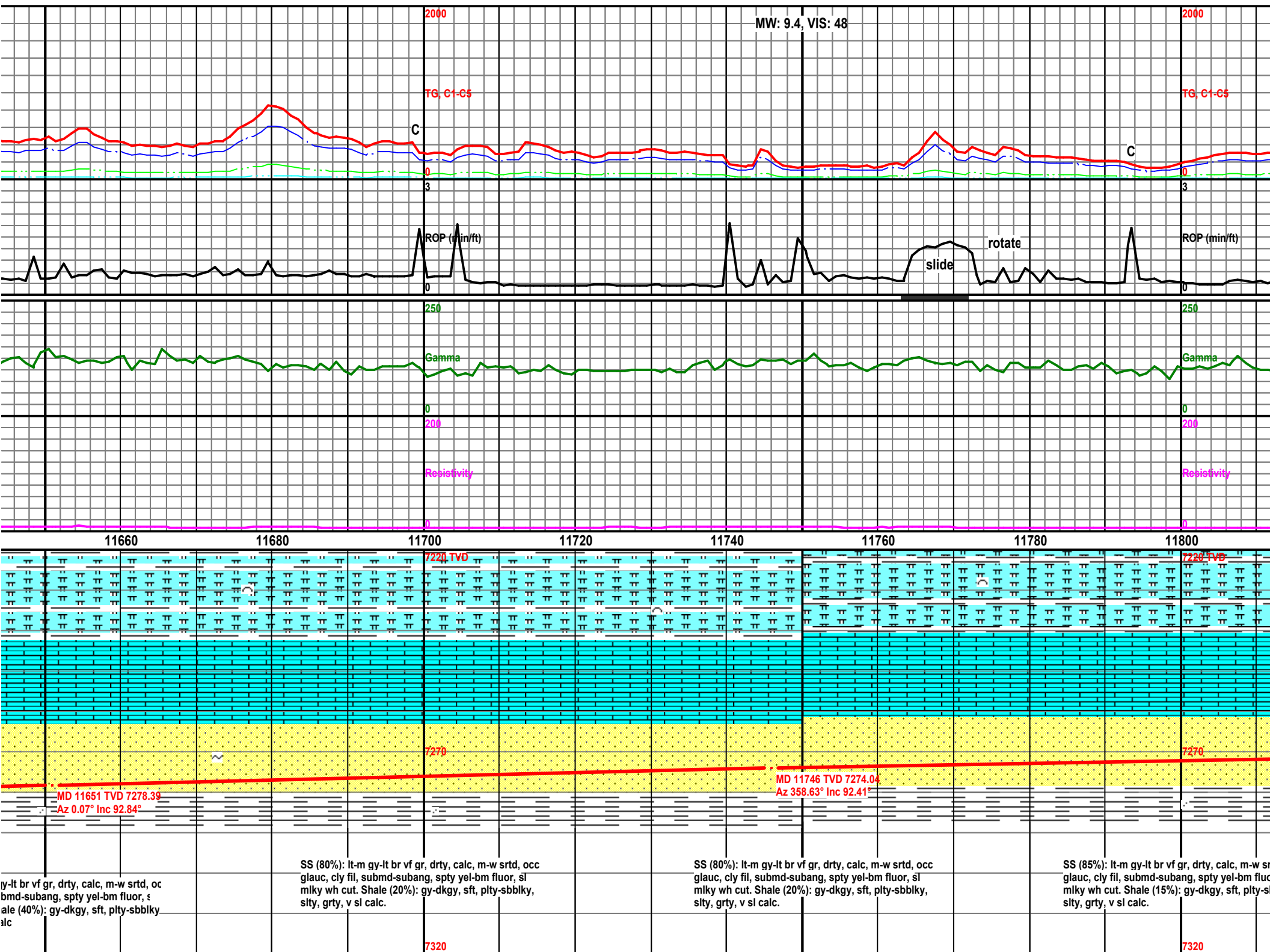
SS (60%): lt-m gy-lt br vf gr, drty, calc, m-w srted, occ  
glauc, cly fil, submd-subang, spty yel-bm fluor, sl  
mlky wh cut. Shale (40%): gy-dkgy, sft, pty-sbbiky,  
silty, grty, v sl calc.

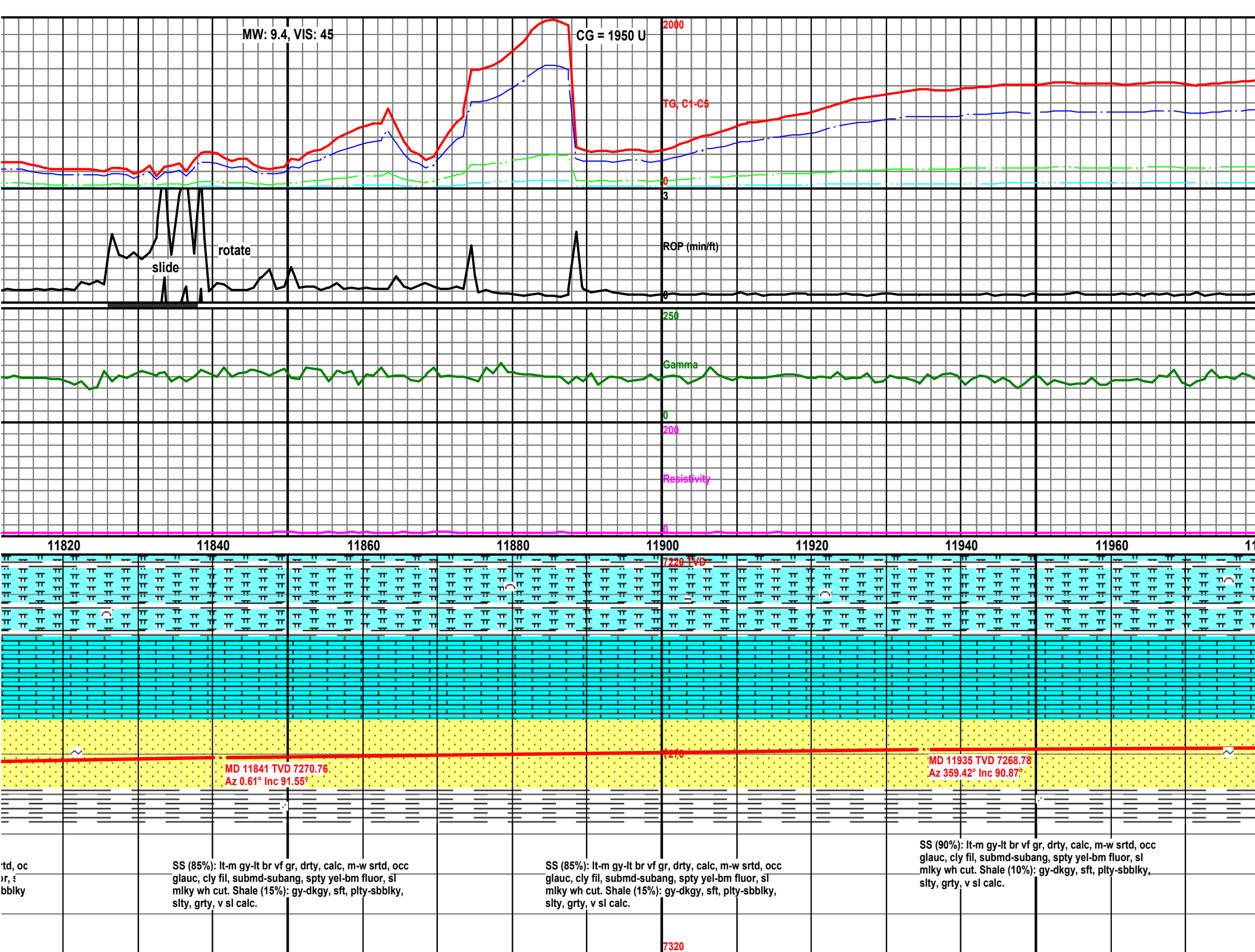
SS (60%): lt-m gy-lt br vf gr, drty, calc, m-w srted, occ  
glauc, cly fil, submd-subang, spty yel-bm fluor, sl  
mlky wh cut. Shale (40%): gy-dkgy, sft, pty-sbbiky,  
silty, grty, v sl calc.

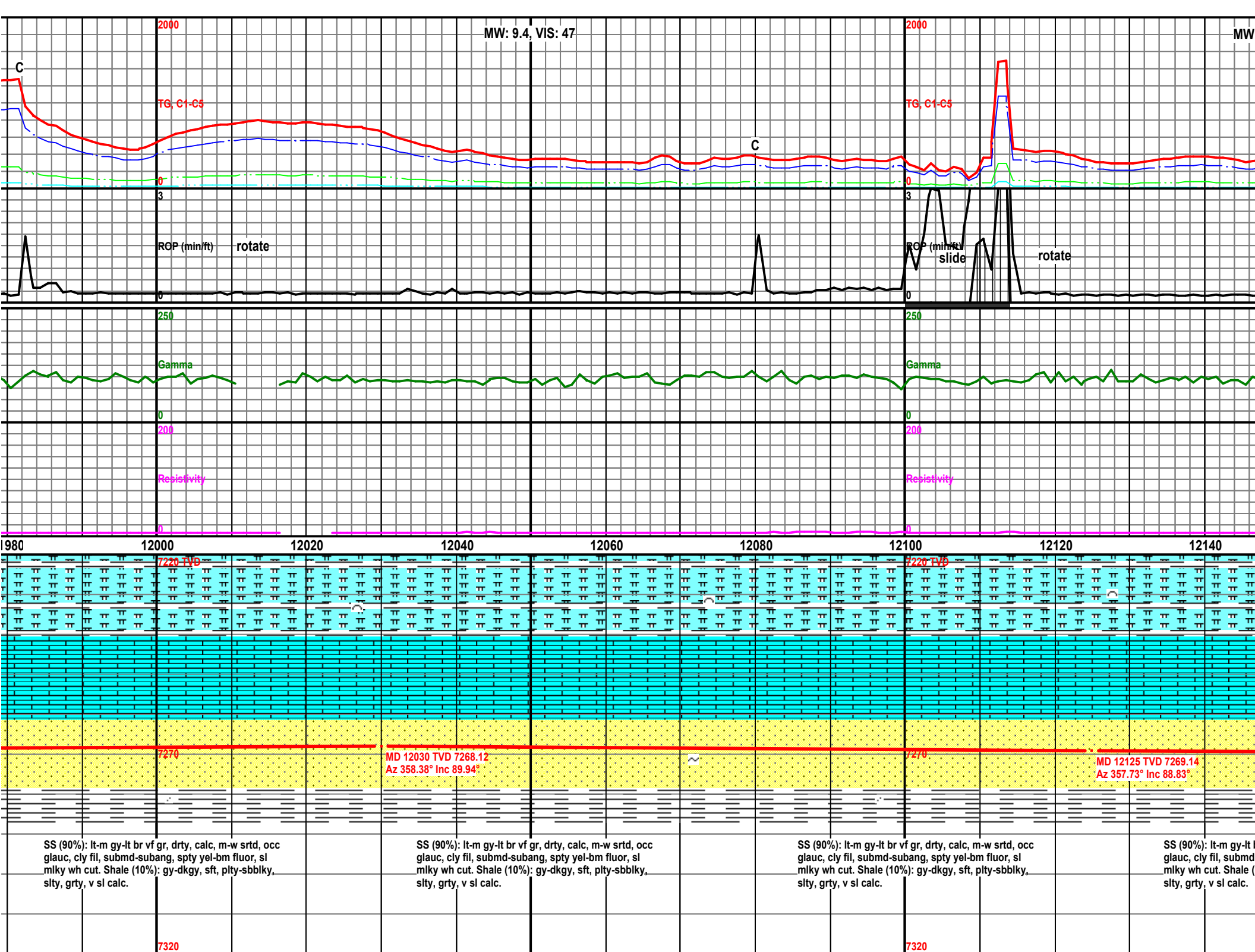
Shale (65%): gy-dkgy, sft, pty-sbbiky, silty, grty, v sl calc.  
SS (35%): lt-m gy-lt br vf gr, drty, calc, m-w srted, occ  
glauc, cly fil, submd-subang, spty yel-bm fluor, sl mlky wh  
cut.

7320



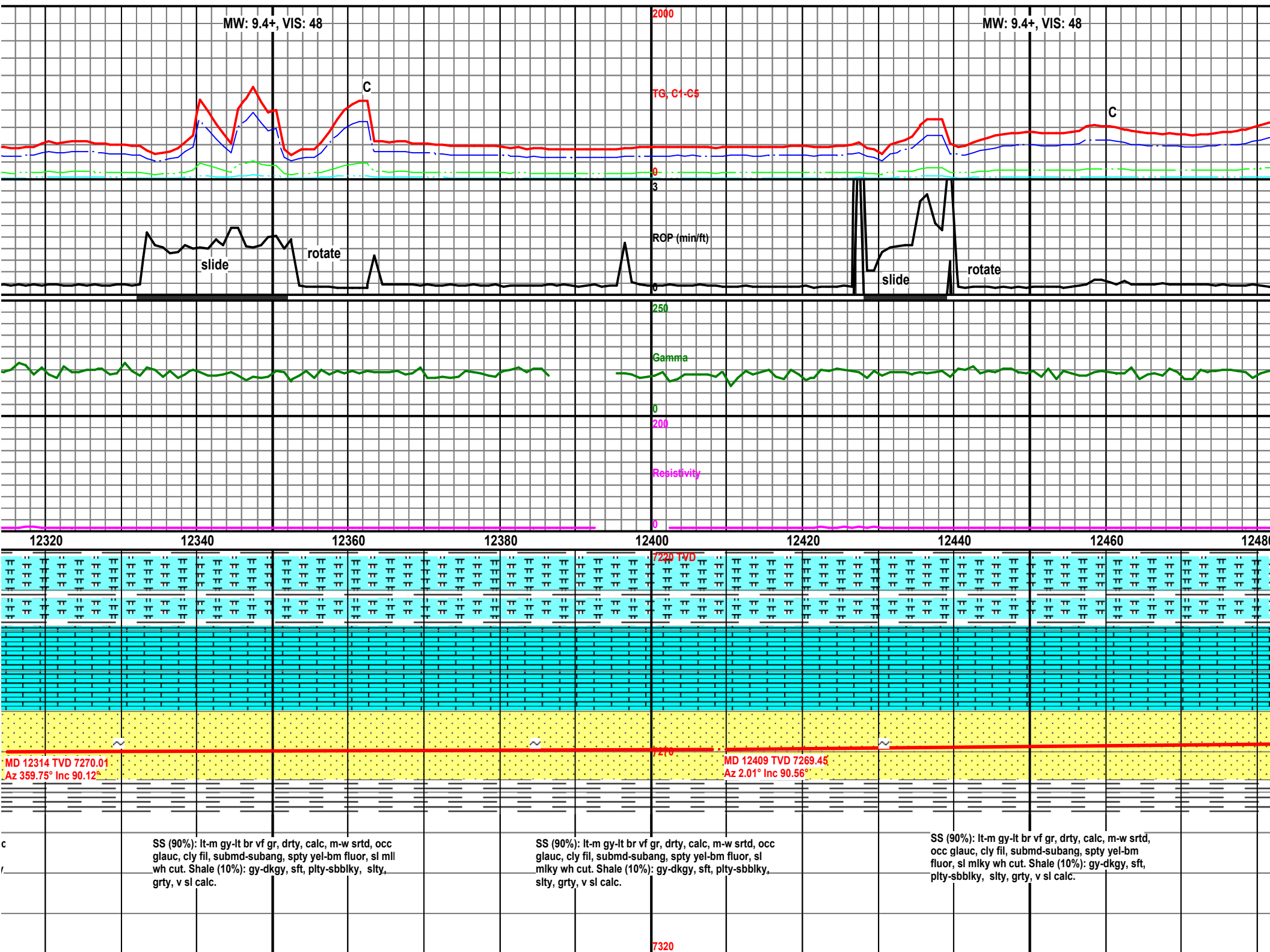


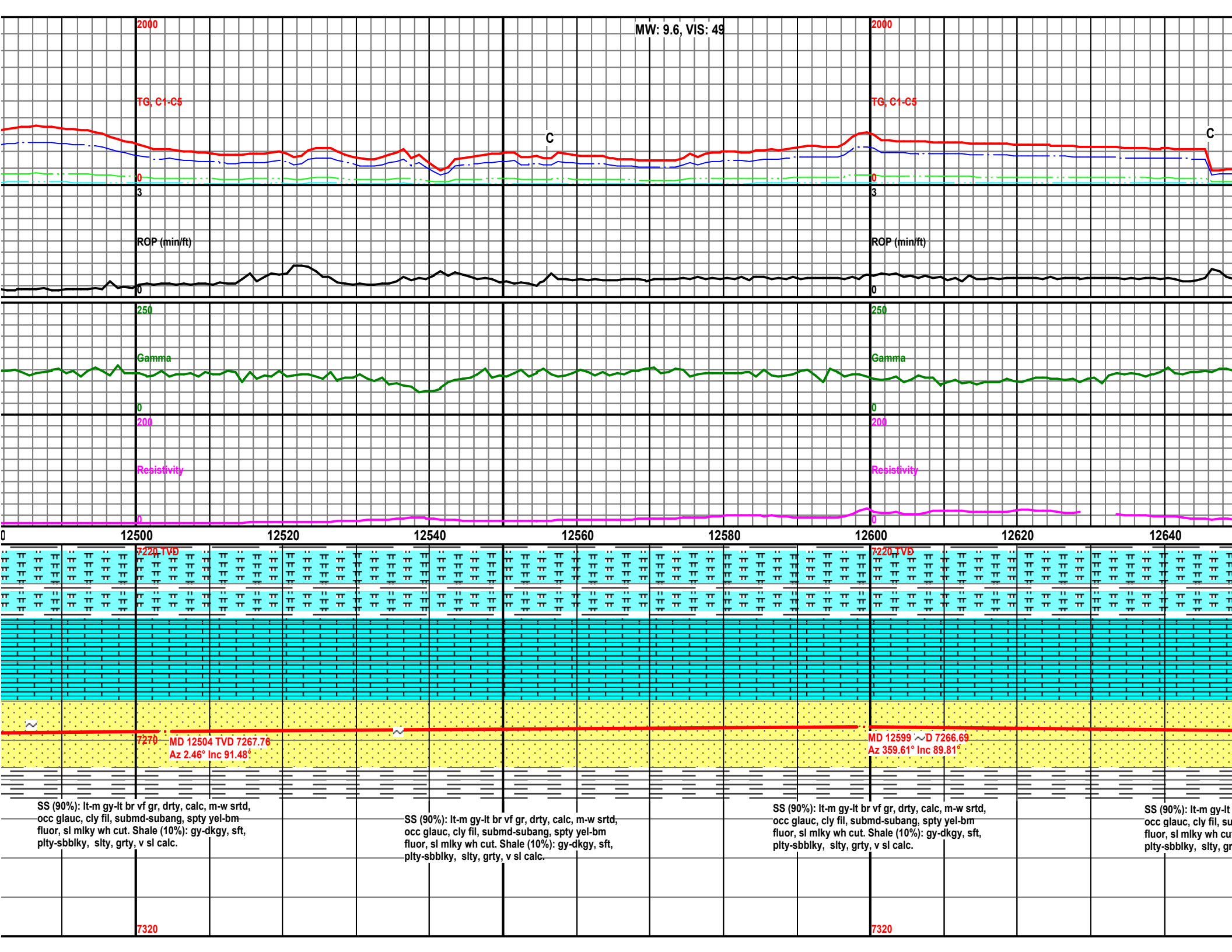




Well: 12220  
 MW: 9.6, VIS: 48  
 TG: C1-C5  
 ROP (min/ft)  
 Gamma  
 Resistivity  
 Depth (ft): 0, 2000, 4000, 6000, 7320  
 Lithology: SS (90%): lt-m gy-lt br vf gr, drty, calc, m-w srtd, occ glauc, cly fil, submd-subang, spty yel-bm fluor, sl miky wh cut. Shale (10%): gy-dkgy, sft, pty-sbbiky, slty, grty, v sl calc.  
 MD 12220 TVD 7270.11  
 Az 357.7° Inc 90°







MW: 9.5+, VIS: 50

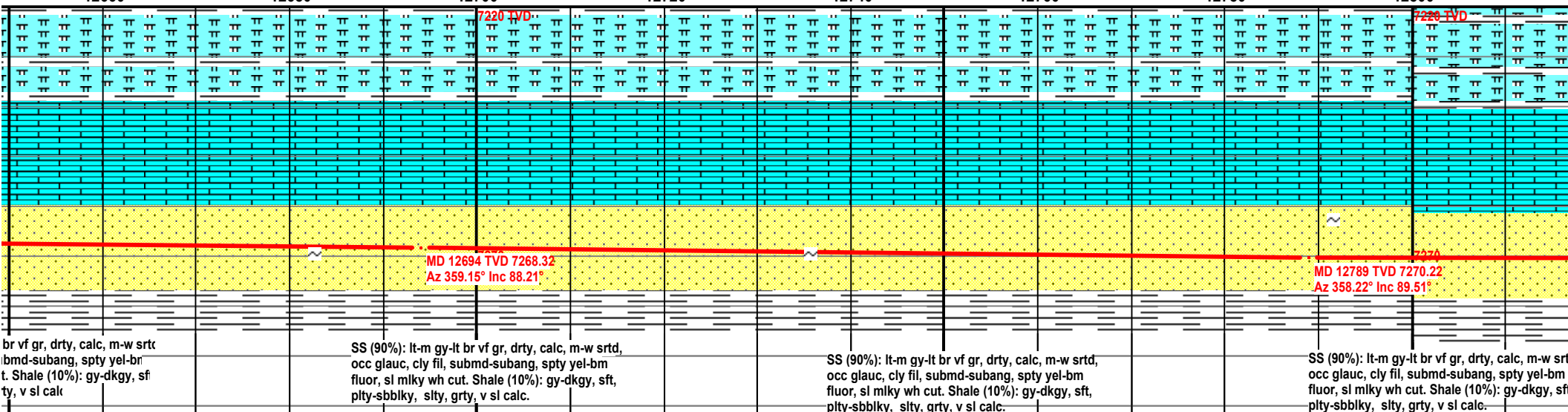
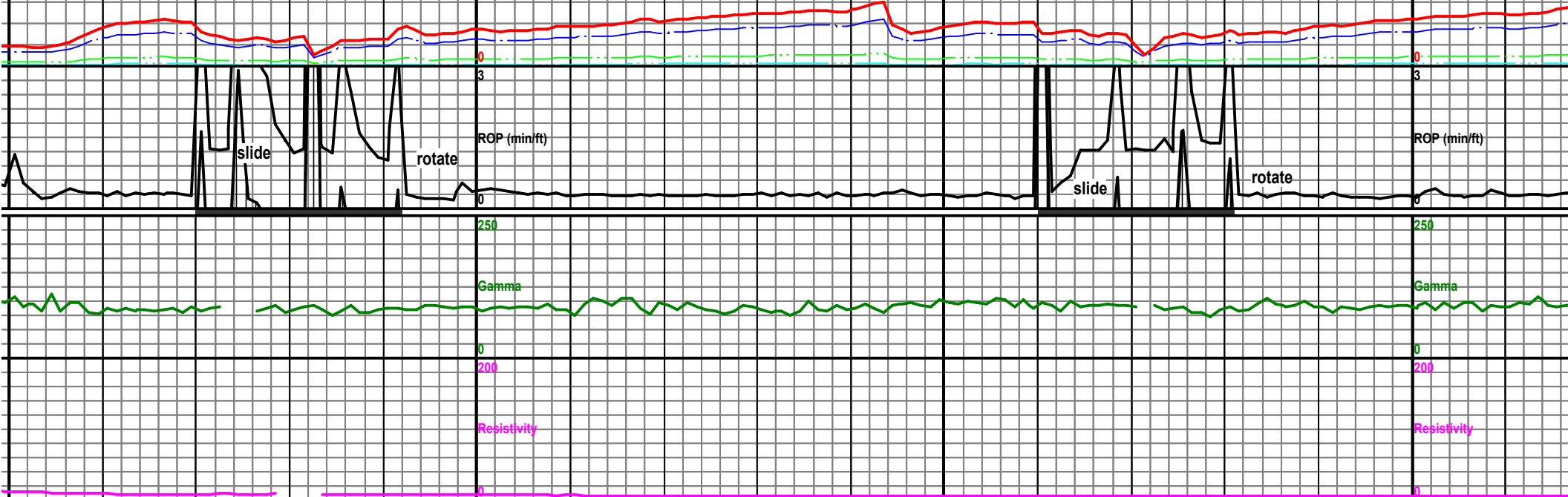
2000

TG, C1-C5

C

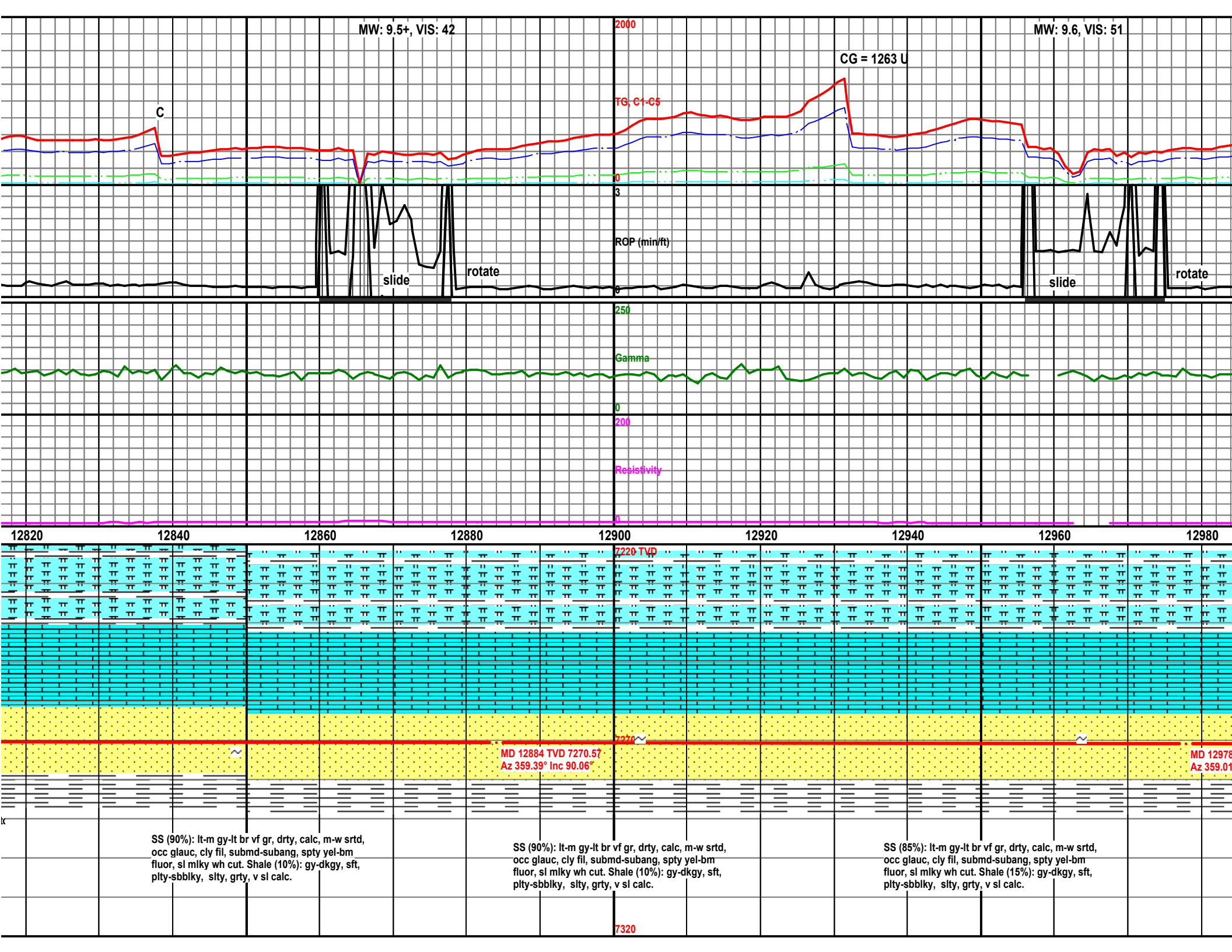
MW: 9.5, VIS: 49

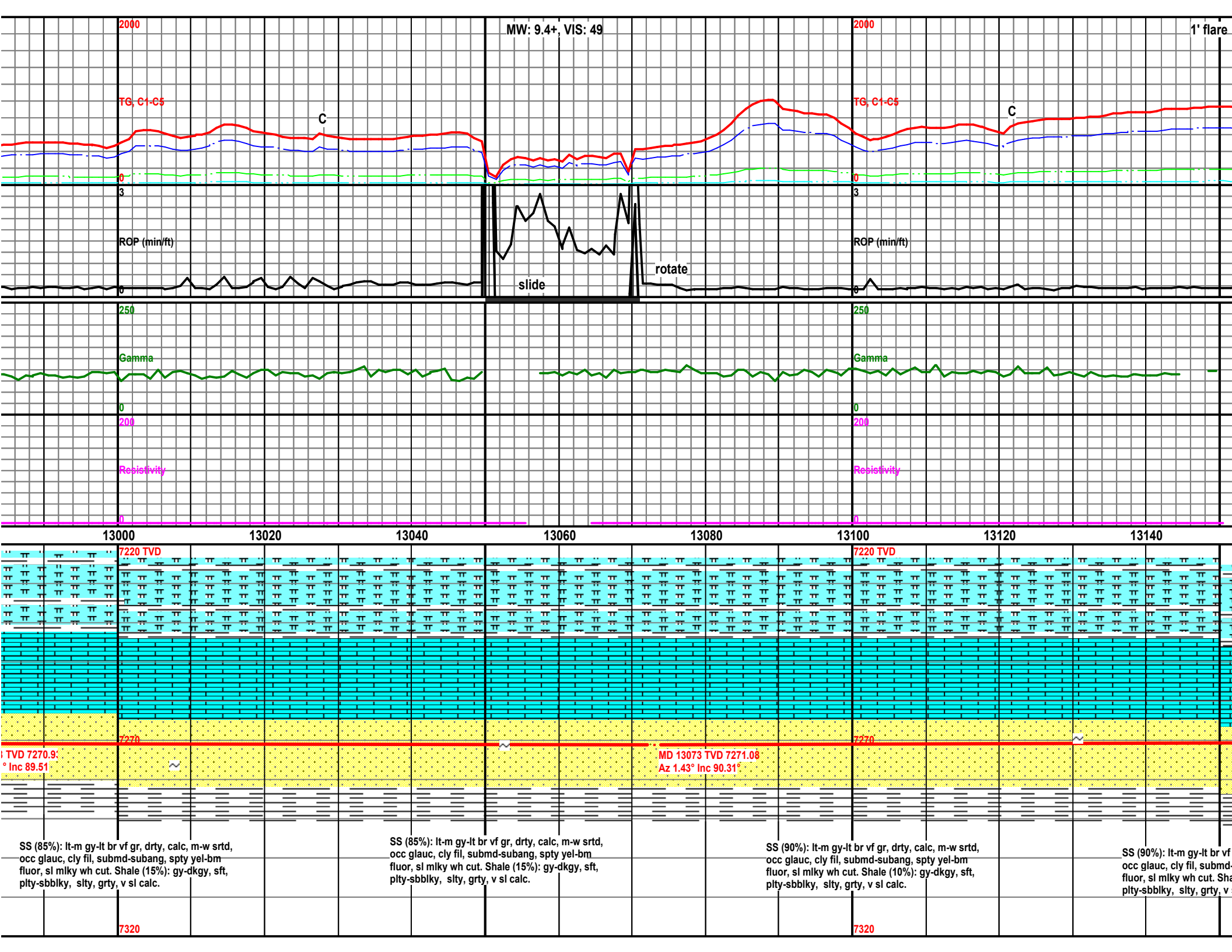
TG, C1-C5

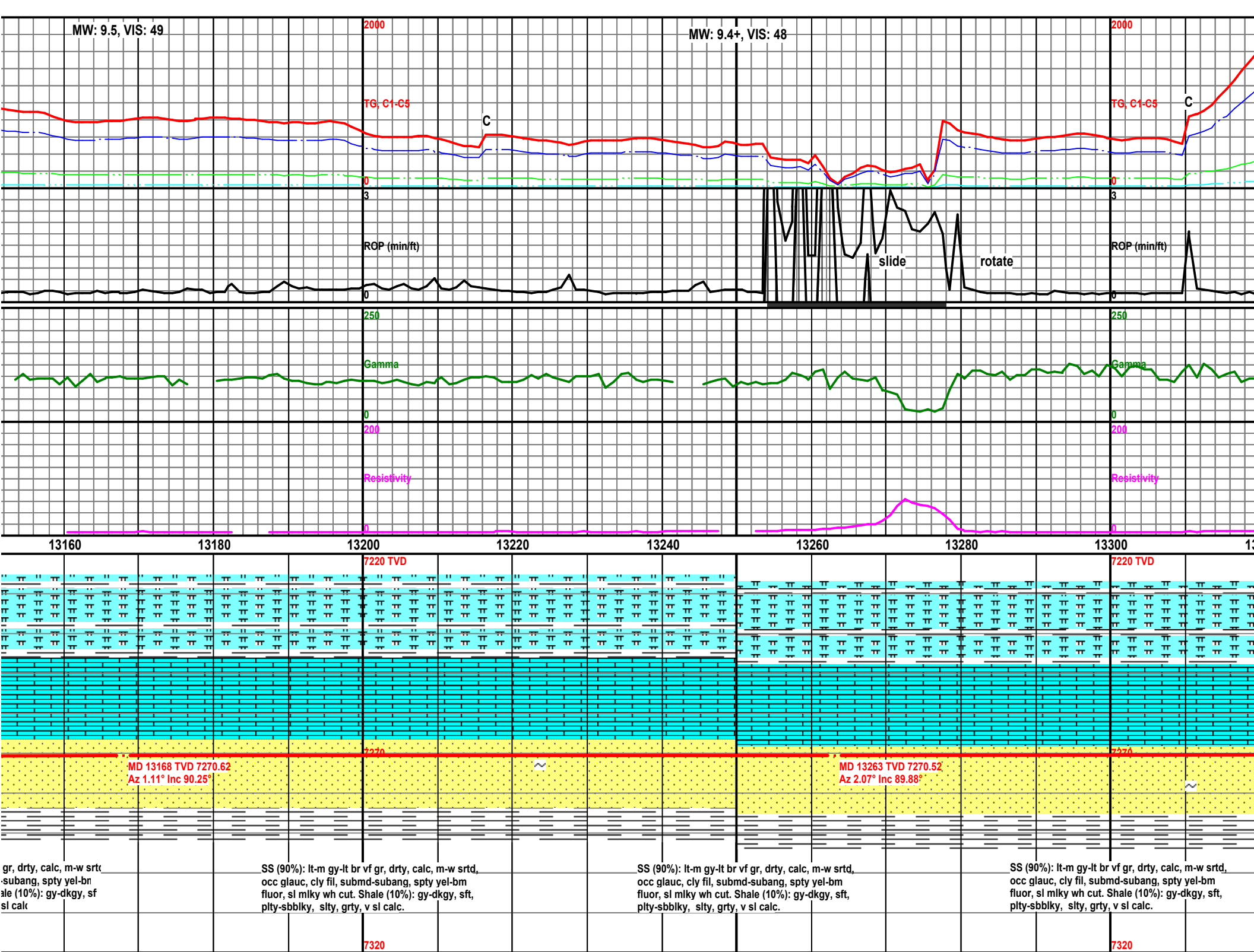


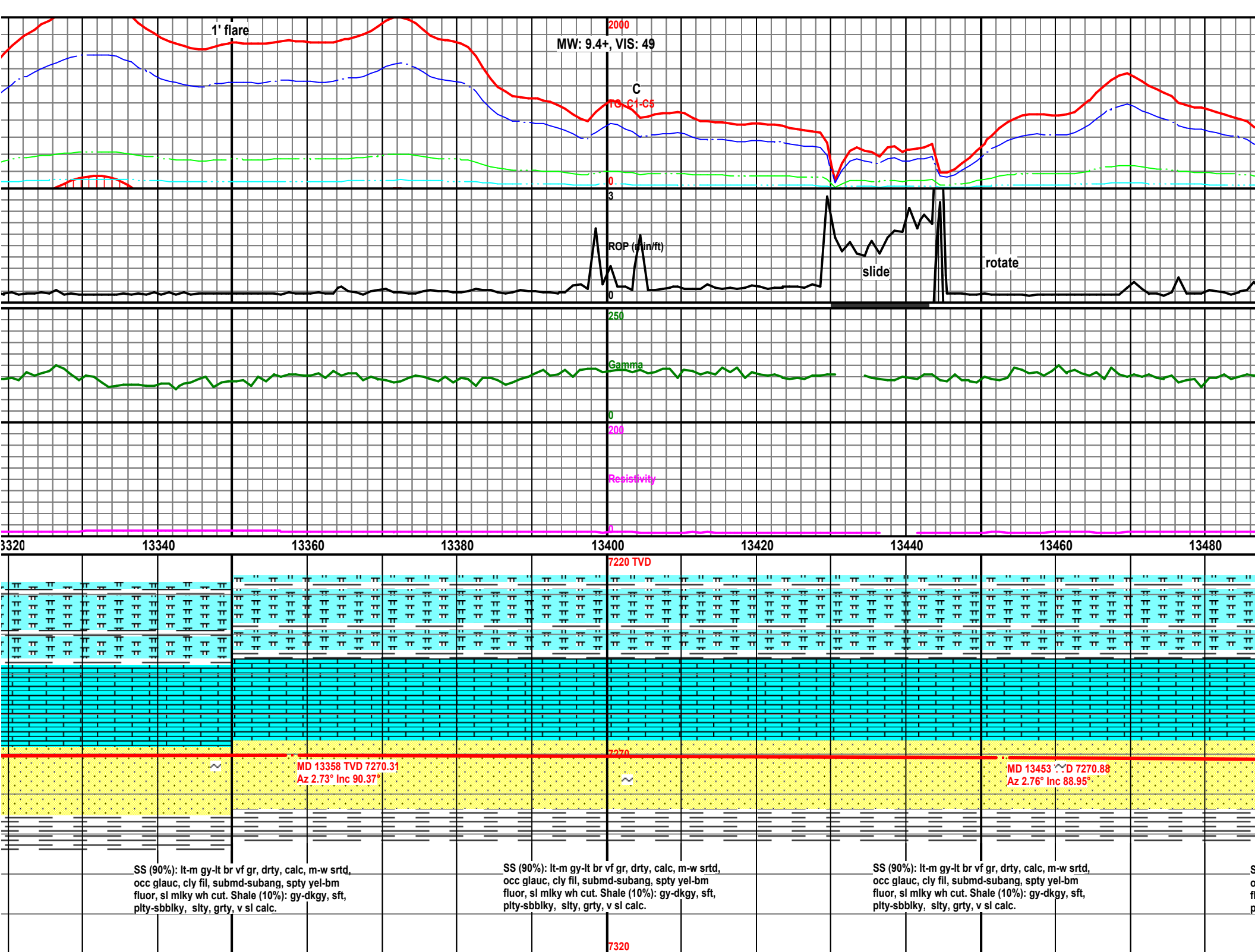
7320

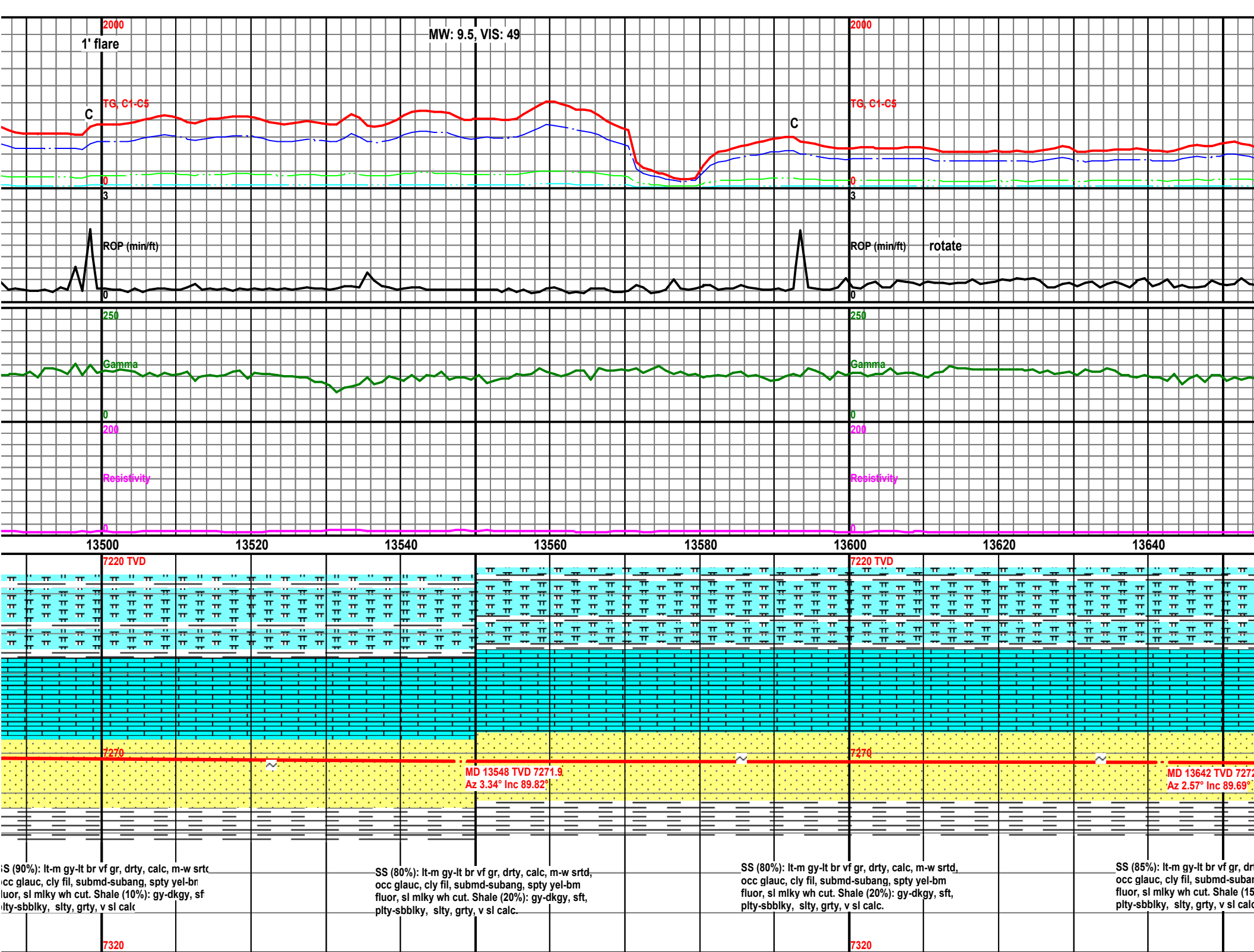
7320



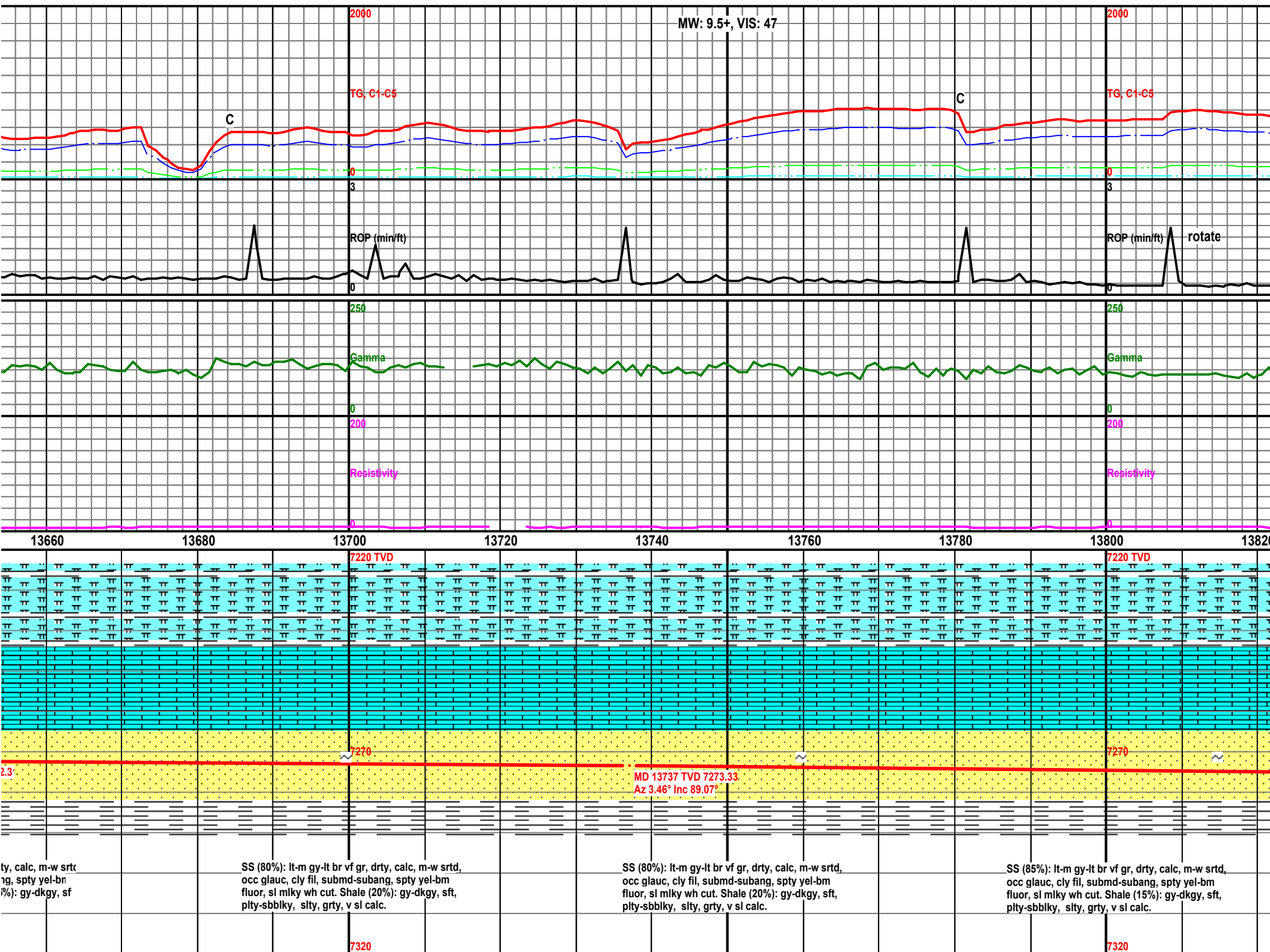












1-2' flare

MW: 9.6, VIS: 46

2000

TO, C1-C5

C

C

0

3

ROP (min/ft)

slide

rotate

250

Gamma

0

Resistivity

0

13840

13860

13880

13900

13920

13940

13960

13980

7220 TVD

7270

MD 13832 TVD 7275.28  
Az 2.34° Inc 88.58°

MD 13927 TVD 7275.73  
Az 3° Inc 90.87°

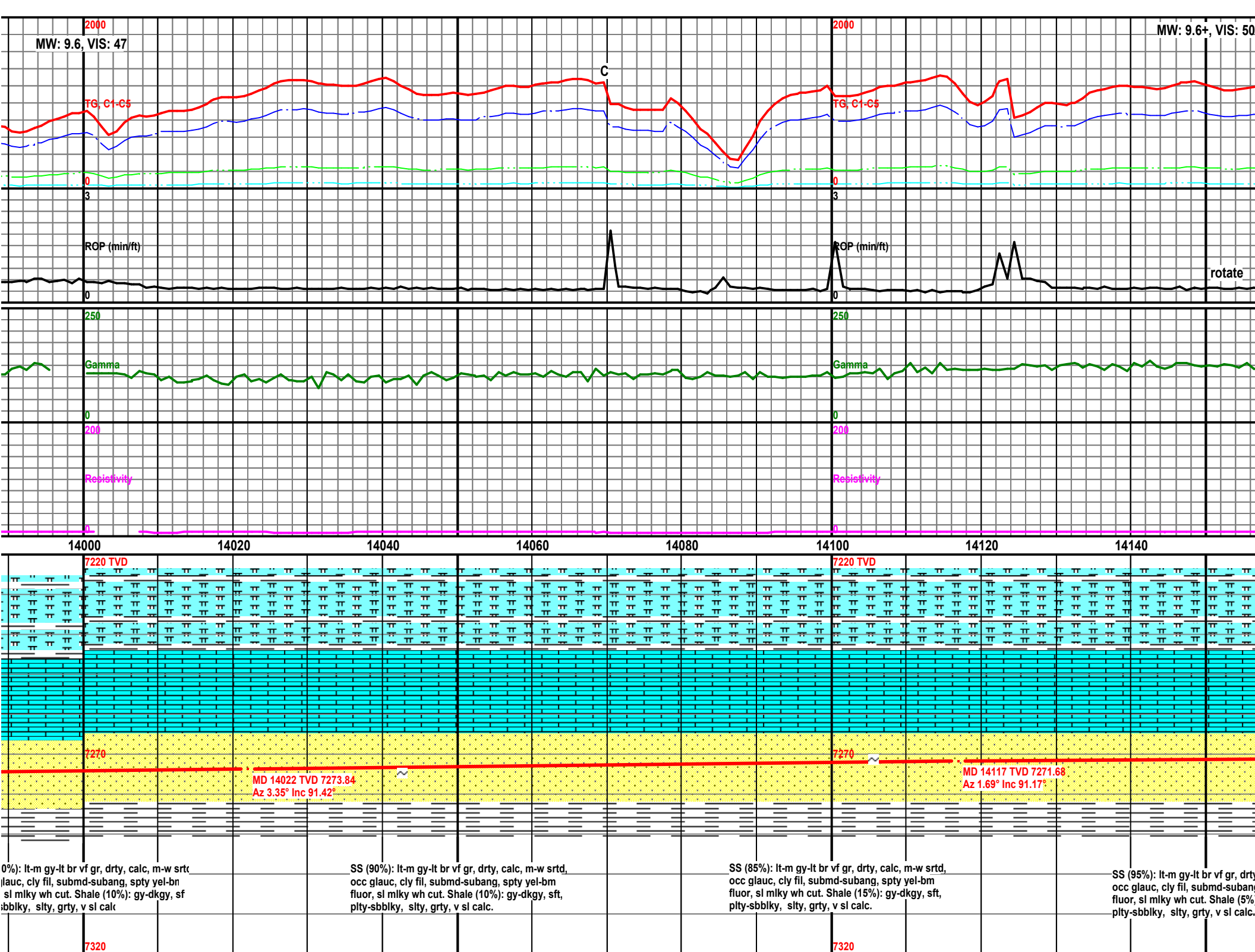
SS (85%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl milky wh cut. Shale (15%): gy-dkgy, sft,  
pty-sbbiky, silty, grty, v sl calc.

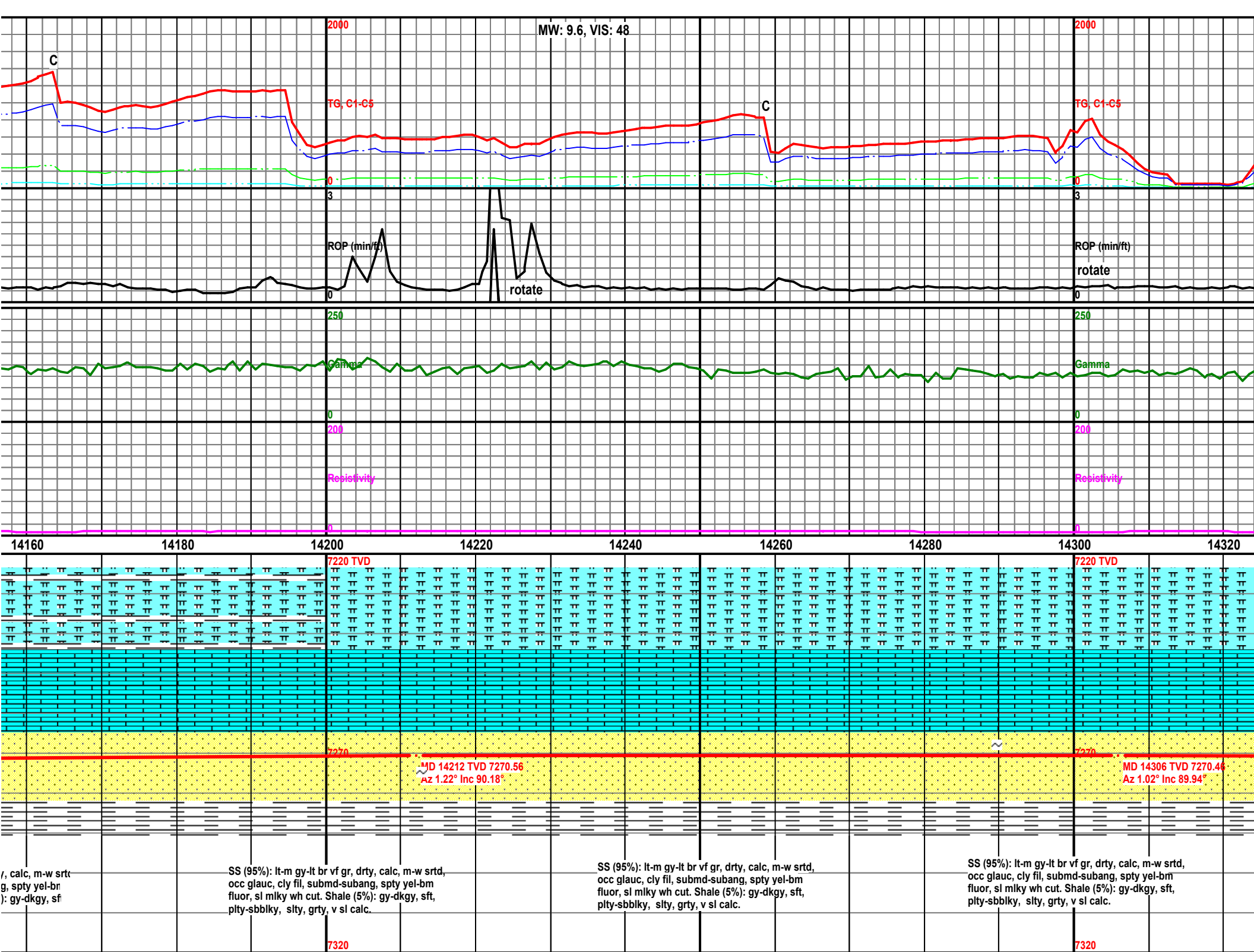
SS (90%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl milky wh cut. Shale (10%): gy-dkgy, sft,  
pty-sbbiky, silty, grty, v sl calc.

SS (90%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl milky wh cut. Shale (10%): gy-dkgy, sft,  
pty-sbbiky, silty, grty, v sl calc.

SS (9  
occ g  
fluor,  
pty-s

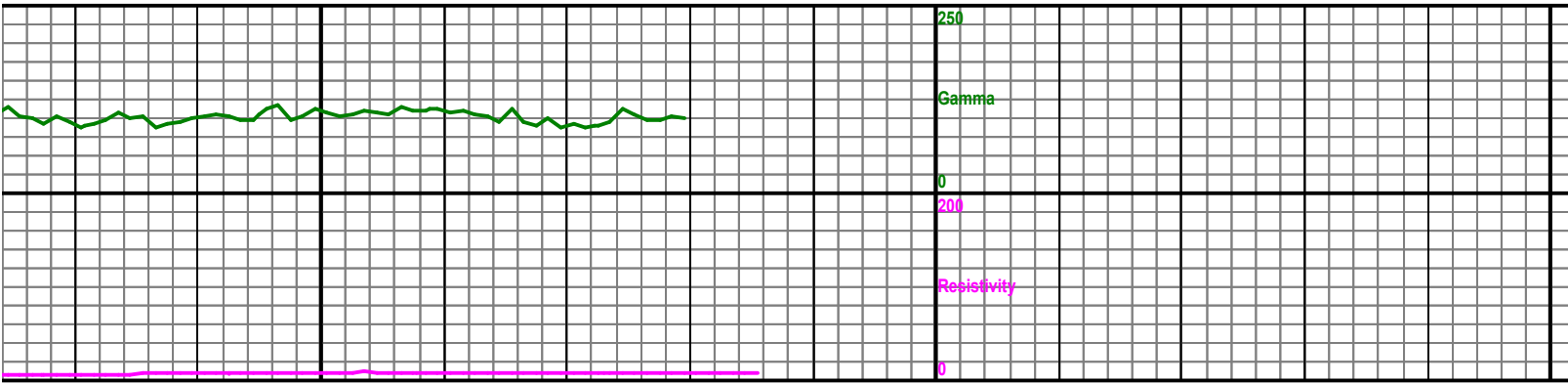
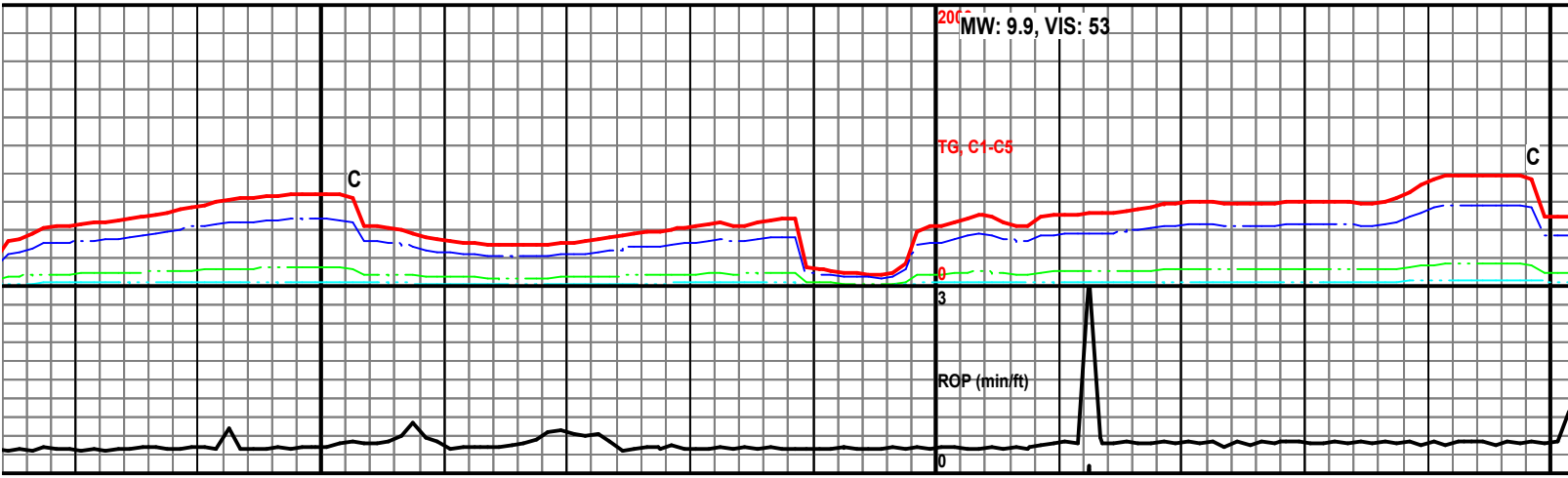
7320



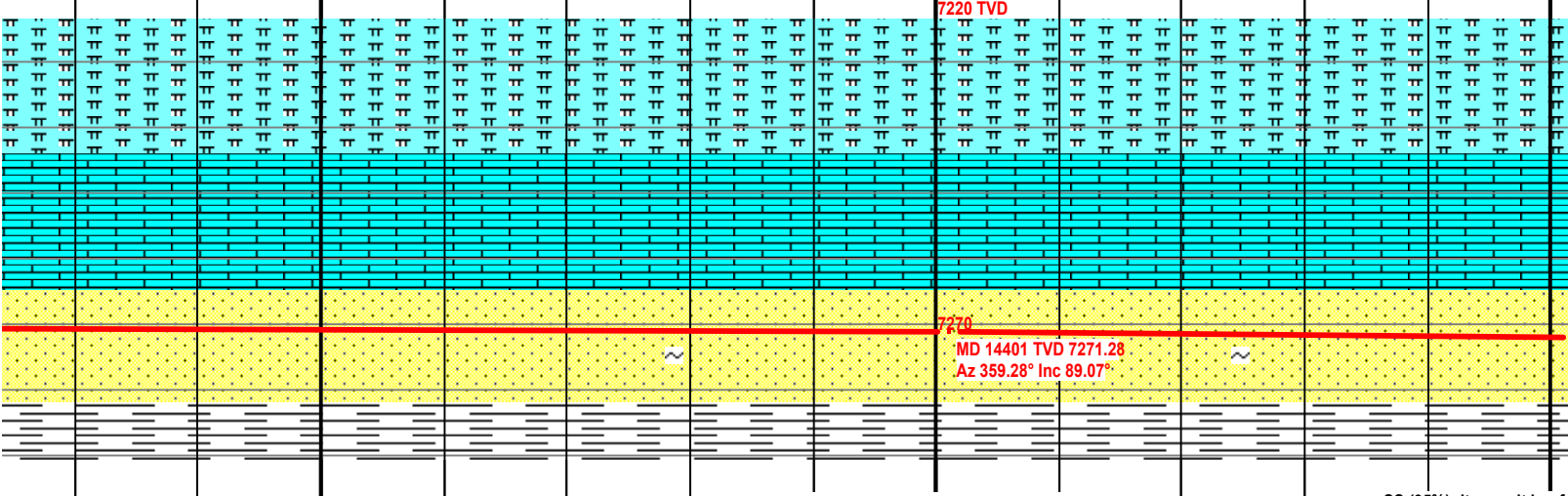


MW: 9.9, VIS: 53

TD @ 3:30 AM 9/28/13  
Trip Gas = 4456 U  
2 Man Logging Unit released  
@ 1:30 PM 10/1/2013 after  
final casing set



14340 14360 14380 14400 14420 14440 14460 14480



MD 14452 TVD 7272.1  
Az 359.28° Inc 89.07°

SS (95%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl mky wh cut. Shale (5%): gy-dkgy, sft,  
plty-sbbiky, slty, grty, v sl calc.

SS (90%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl mky wh cut. Shale (10%): gy-dkgy, sft,  
plty-sbbiky, slty, grty, v sl calc.

SS (95%): lt-m gy-lt br vf gr, drty, calc, m-w srtd,  
occ glauc, cly fil, submd-subang, spty yel-bm  
fluor, sl mky wh cut. Shale (5%): gy-dkgy, sft,  
plty-sbbiky, slty, grty, v sl calc.

7320