

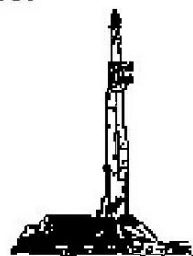
**GOOLSBY BROTHERS**  
and associates, inc.

575 Union Blvd, Suite 208  
Lakewood, CO 80228  
303-945-2860 Office



Geological Wellsite  
Supervision

[www.goolsbybrothers.com](http://www.goolsbybrothers.com)



Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Falken 34N-9C-L

API: 051234510600

Location: NE/SE Section 11 T6N R66W Weld County, CO.

License Number:

Spud Date: January 10, 2018

Surface Coordinates: 1739 FSL 276 FEL NE/SE Sec. 11 T6N R66W

Lat/Long: 40.500344/-104.73595

Bottom Hole Coordinates: Planned: 149 FSL 300 FEL, SEC.9 T6N R66W

Ground Elevation (ft): 4,810'

Logged Interval (ft): 6,750' To: 19,190'

Formation: Niobrara C Chalk

Type of Drilling Fluid: OBM (LSND Surface).

K.B. Elevation (ft): 4,835'

Total Depth (ft): 19,190' DMTD

Region: Wattenberg  
Drilling Completed: January 15, 2018

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

**OPERATOR**

Company: SRC Energy, Inc

Geologist: Julia Caldaro

Address: 1675 Broadway, Suite 2600  
Denver, Colorado 80202  
(720) 616-4300

**GEOLOGIST**

Name: Tekabe Gedamu & Blake Stacey

Company: Goolsby Brothers & Assoc. (GBA), Inc. ([www.goolsbybrothers.com](http://www.goolsbybrothers.com))

Address: 575 Union Blvd. Suite 208,  
Lakewood CO. 80228  
Tel 303-618-7736

## E-logs

MWD GR from S.C. to 19,175' MD

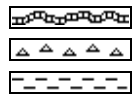
## Casing

9 5/8" Surface Casing pre set @ 1,800' MD.  
5 1/2" Production Liner run on 01/xx/2018.

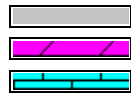
## Comments

- 1) Drilling Contractor: Precision Drilling, Rig #562  
Pumps 1&2: Rostell F-1600 5" x 12" (.0692 Bbls./stroke)  
Toolpusher: Michael Ellingsworth, Tyson Westgard.
- 2) Company Man: Kent Priddy  
Kevin Brakovec  
Tim Jones  
Kalib Ford
- 3) Mud Comapny : Anchor  
Engineer: XXXXXXXX
- 4) Directional Drilling: Baker Hughes  
Drillers: Jeremiah Samson, Aaron Herskind  
MWD: Garrett Gedsen, Baker Remote Field Operations.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Blake Stacey & Tekabe Gedamu

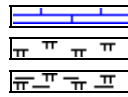
## ROCK TYPES



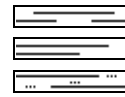
Bent  
Cht  
Clyst



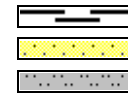
Oil sat.  
Dol  
Lmst



Chalk  
Mrlst  
Mrlst\_sh (intbdd)



Shale  
Shgy  
Slty sh



Carb sh  
Ss  
Slstt

## ACCESSORIES

### MINERAL

Anhy  
 Arggrn  
 Arg  
 Bent  
 Bit  
 Brecfrag  
 Calc  
 Carb  
 Chtdk  
 Chtlt  
 Dol  
 Feldspar  
 Ferrpel  
 Ferr  
 Glau

Gyp  
 Hvymin  
 Kaol  
 Marl  
 Minxl  
 Nodule  
 Phos  
 Pyr  
 Salt  
 Sandy  
 Silt  
 Sil  
 Sulphur  
 Tuff

### FOSSIL

Algae  
 Amph  
 Belm  
 Bioclst  
 Brach  
 Bryozoa  
 Cephal  
 Coral  
 Crin  
 Echin  
 Fish  
 Foram  
 Fossil  
 Gastro  
 Oolite

Ostra  
 Pelec  
 Pellet  
 Pisolite  
 Plant  
 Strom

### STRINGER

Chlkstg  
 Arg  
 Bent  
 Dol  
 Ls  
 Mrst  
 Sltstrg  
 Ssstrg

### TEXTURE

Boundst  
 Chalky  
 Cryxln  
 Earthy  
 Finexln  
 Grainst  
 Lithogr  
 Microxln  
 Mudst  
 Packst  
 Wackest

## OTHER SYMBOLS

### OIL SHOWS

Even  
 Spotted  
 Ques  
 Dead  
 Vspotty

near even

### POROSITY TYPE

Earthy  
 Fenest  
 Fracture

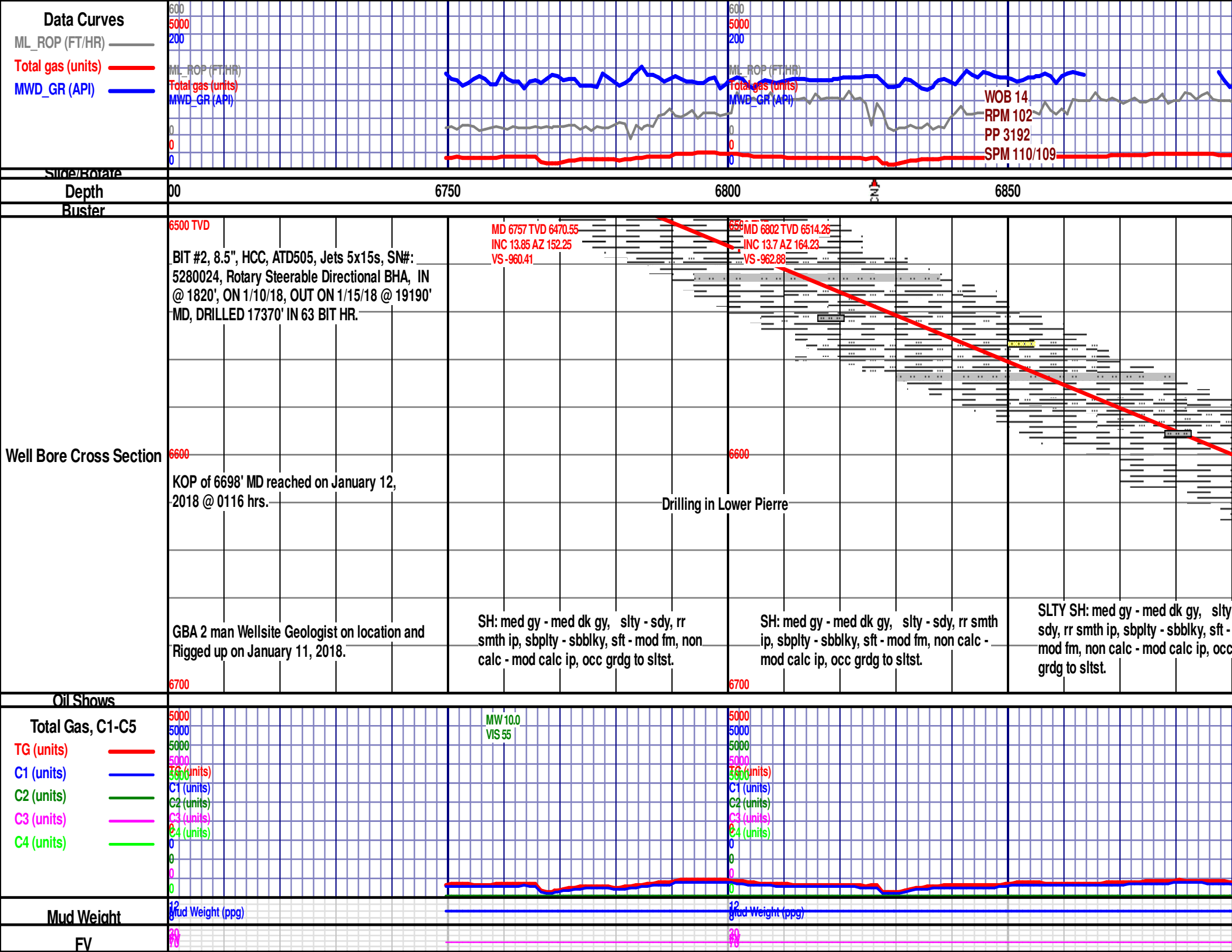
Inter  
 Moldic  
 Organic  
 Pinpoint  
 Vuggy

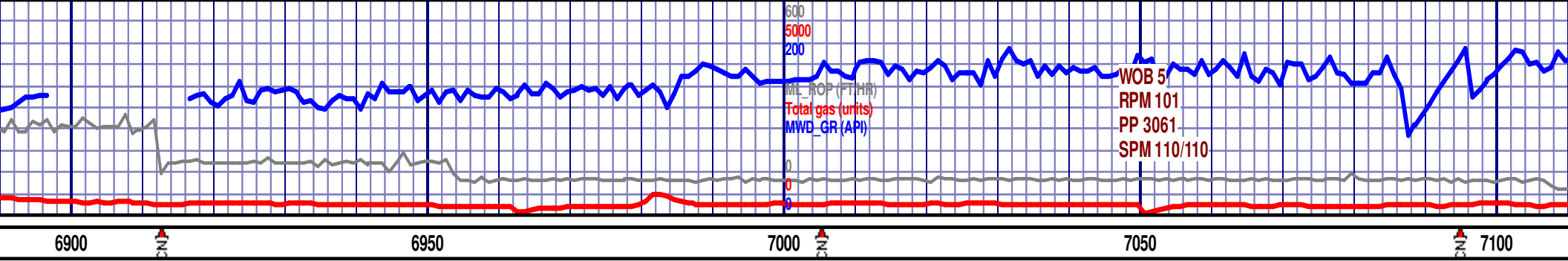
### ROUNDING

Rounded  
 Subrnd  
 Subang  
 Angular

### SORTING

Well  
 Moderate  
 Poor





MD 6892 TVD 6601.76  
INC 13.71 AZ 185.42  
VS -961.72

SH: med gy - med dk gy, slty - sdy, rr smth  
ip, sbply - sbblky, sft - mod fm, non calc -  
mod calc ip, occ grdg to sltst.

MD 6981 TVD 6687.67  
INC 16.82 AZ 207  
VS -951.75

SLTY SH: med gy - med dk gy, slty - sdy, rr  
smth ip, sbply - sbblky, sft - mod fm, non calc  
- mod calc ip, occ grdg to sltst.

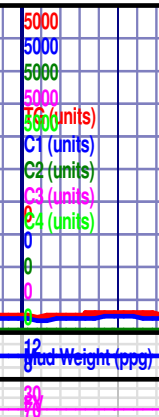
Scale Change  
6800

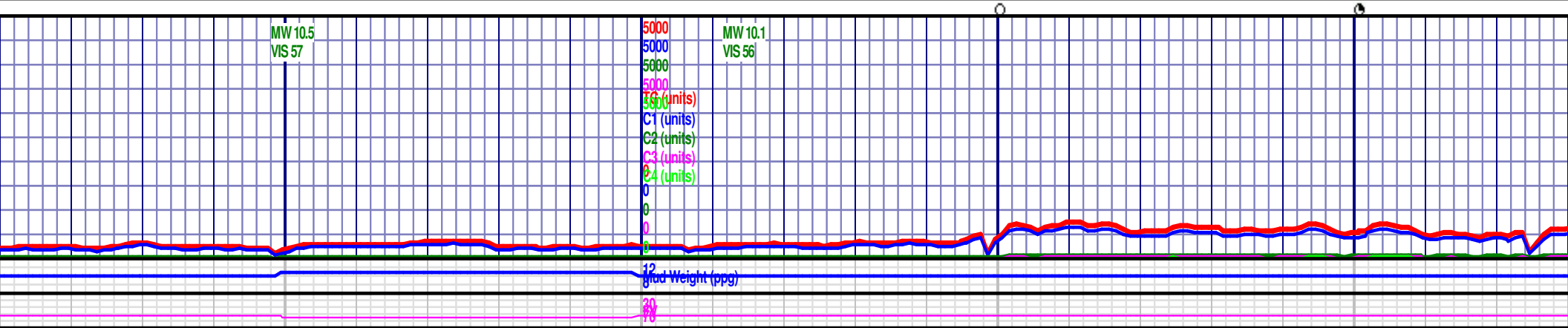
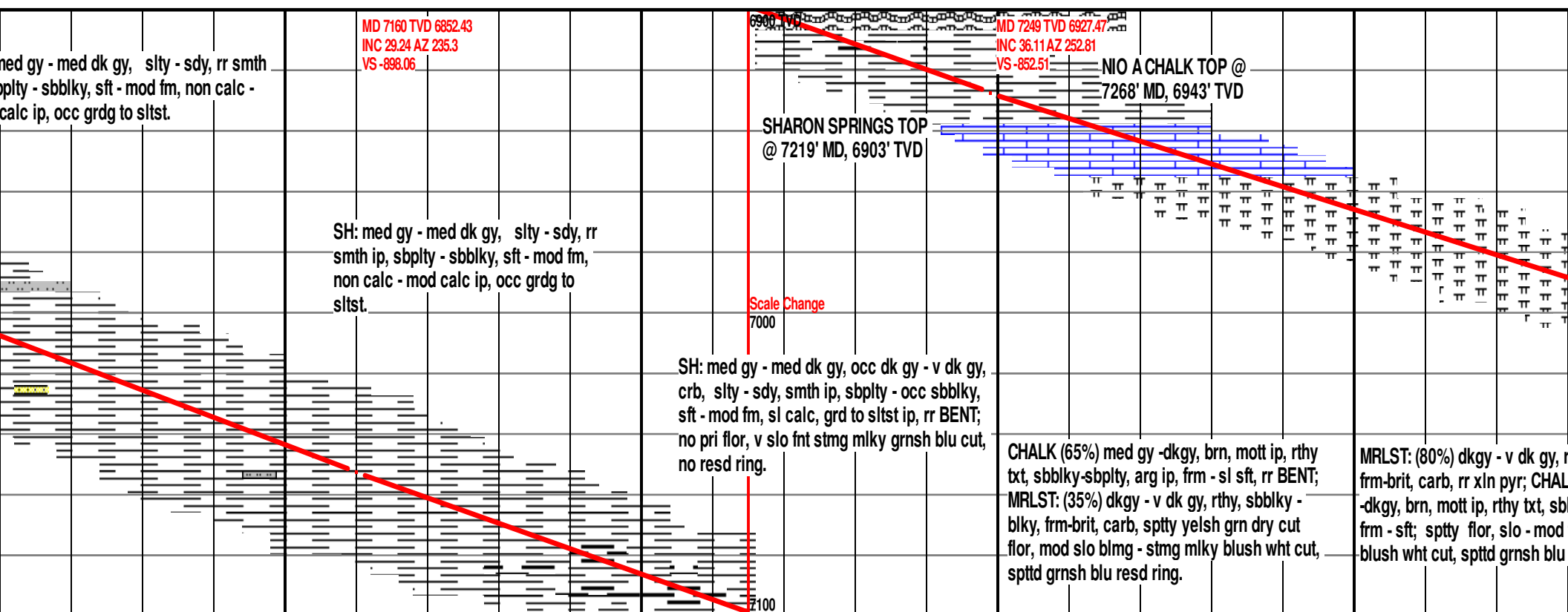
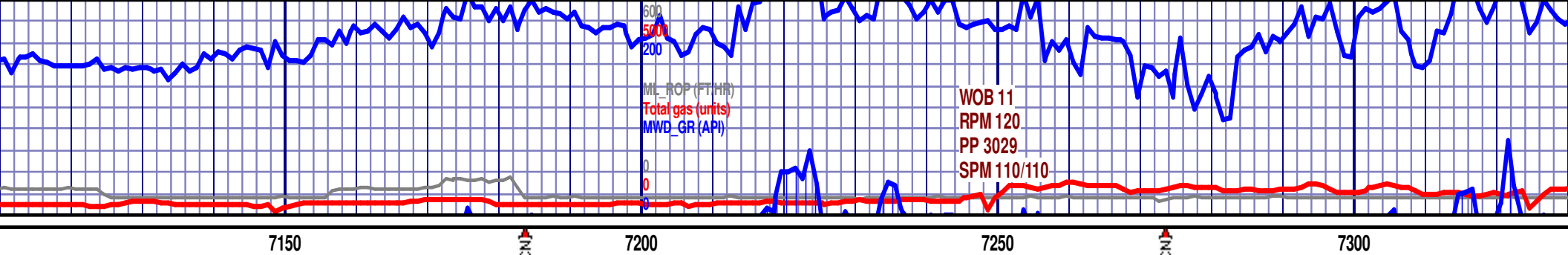
MD 7071 TVD 6772.39  
INC 22.7 AZ 221.98  
VS -930.82

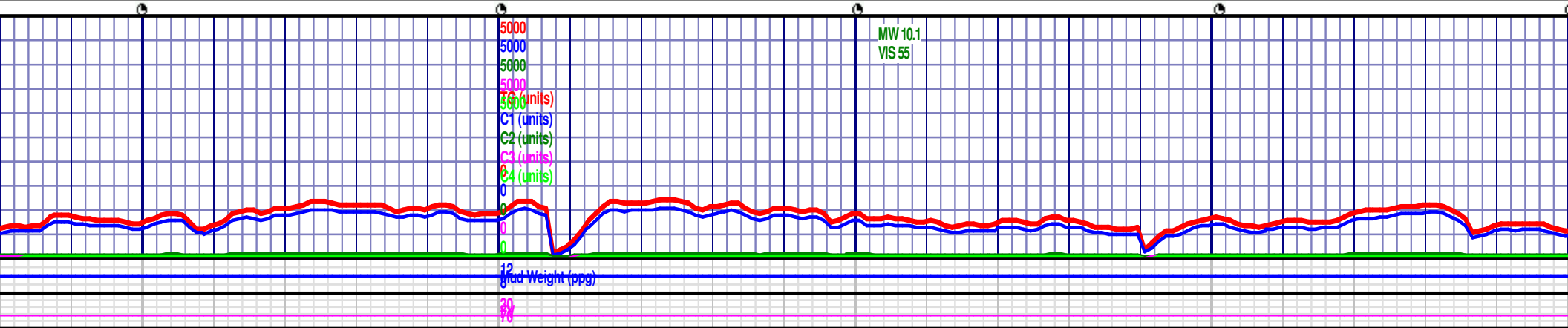
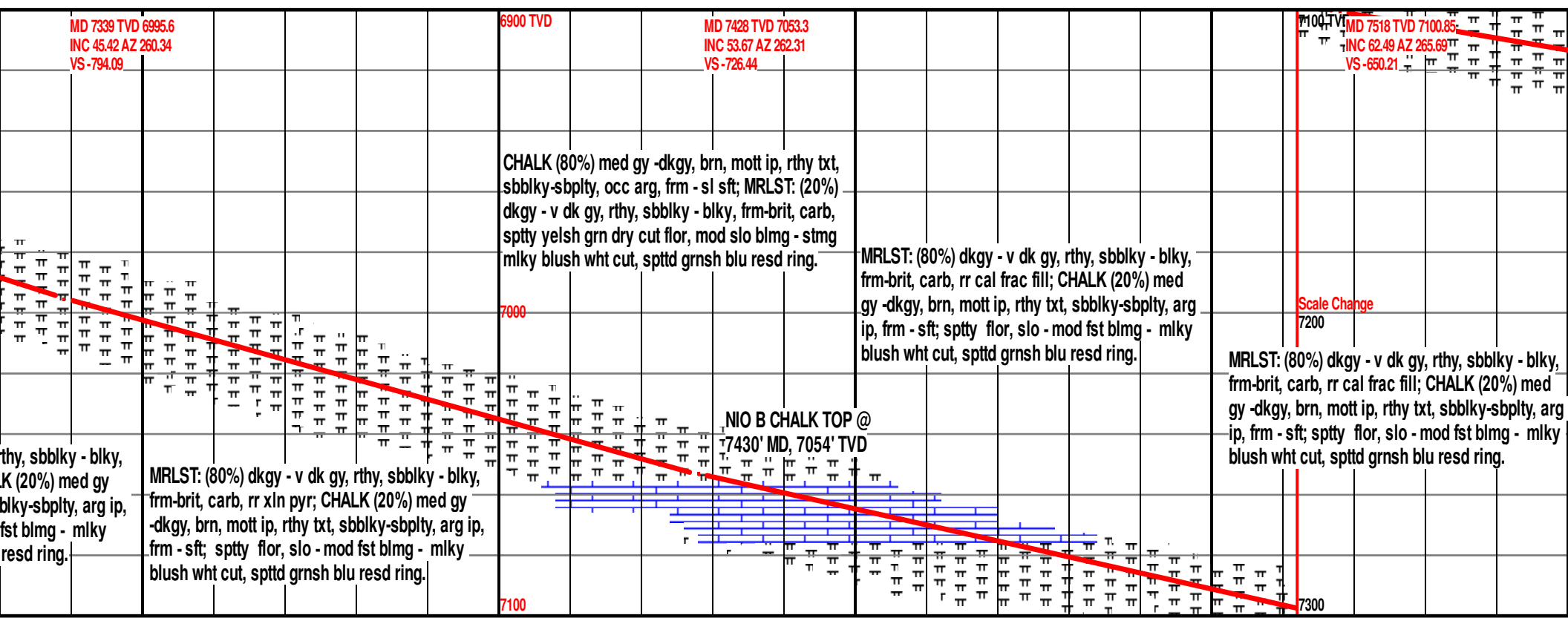
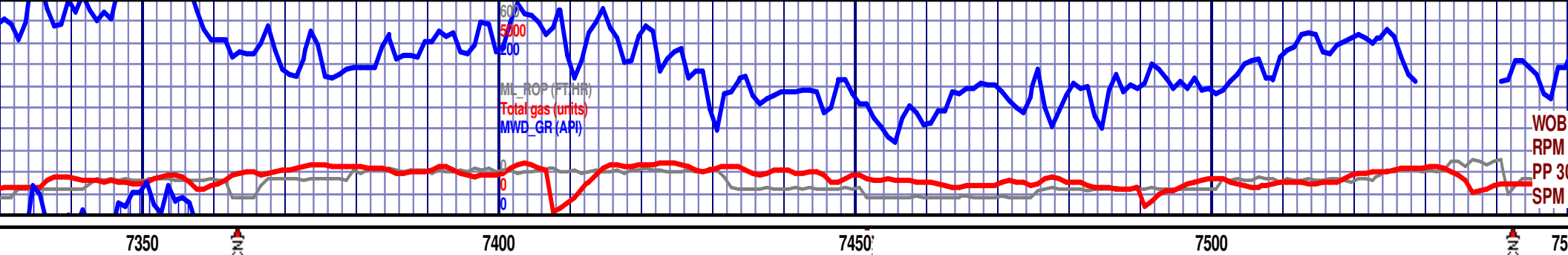
SH: med gy - med dk gy, slty - sdy, rr smth  
ip, sbply - sbblky, sft - mod fm, non calc -  
mod calc ip, occ grdg to sltst.

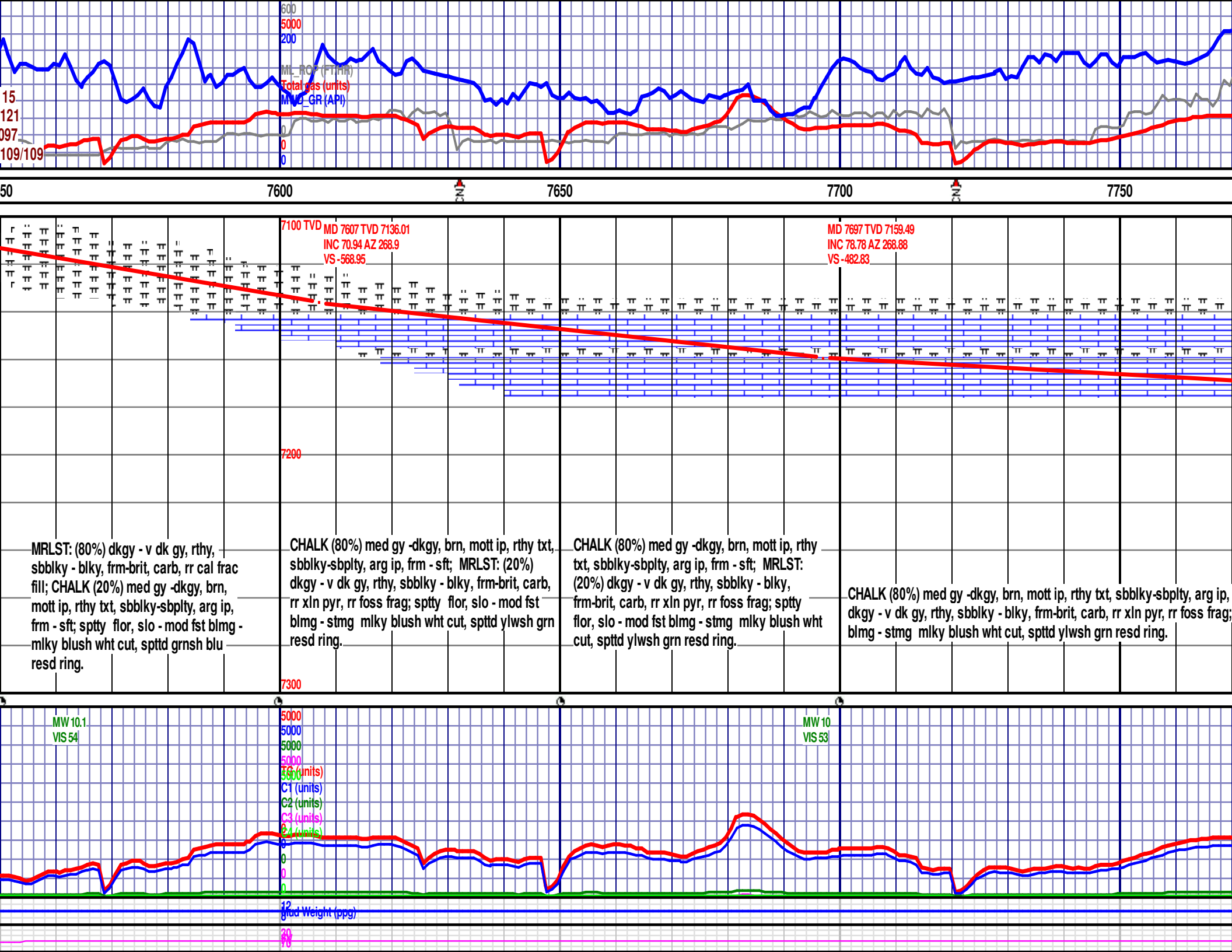
SH: med gy - med dk gy, slty - sdy, rr smth  
ip, sbply - sbblky, sft - mod fm, non calc -  
mod calc ip, occ grdg to sltst.

MW 10.0  
VIS 55

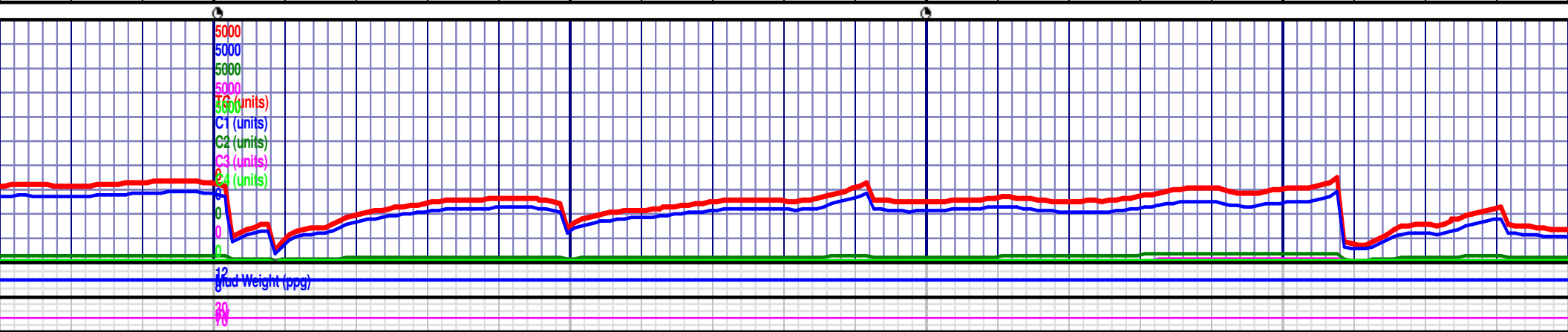
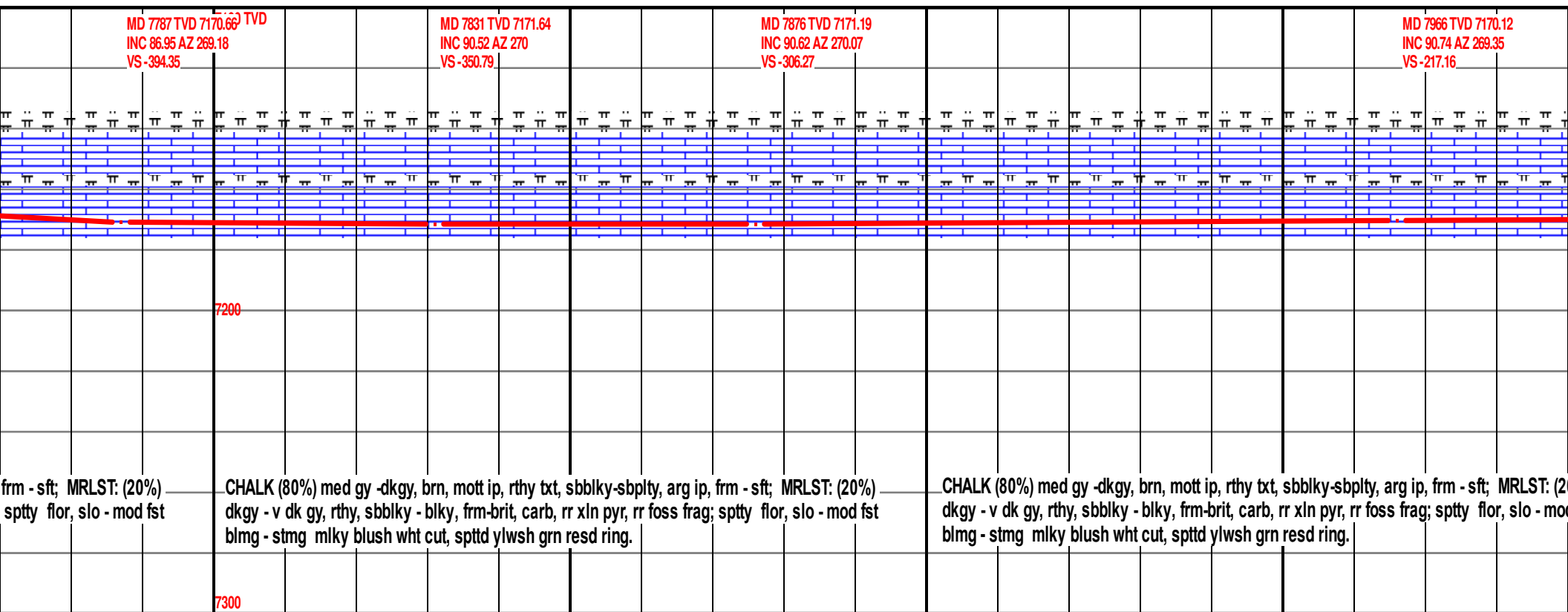


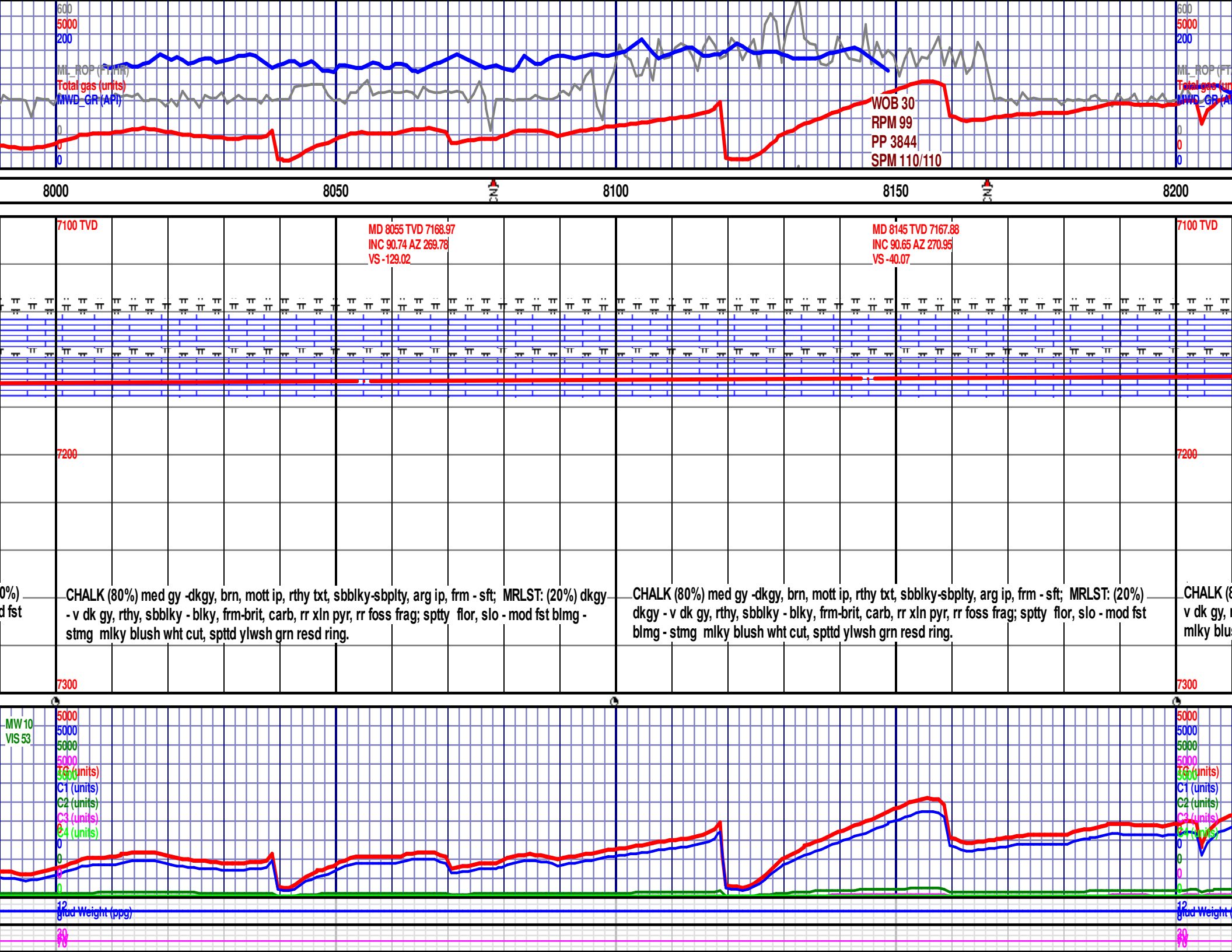


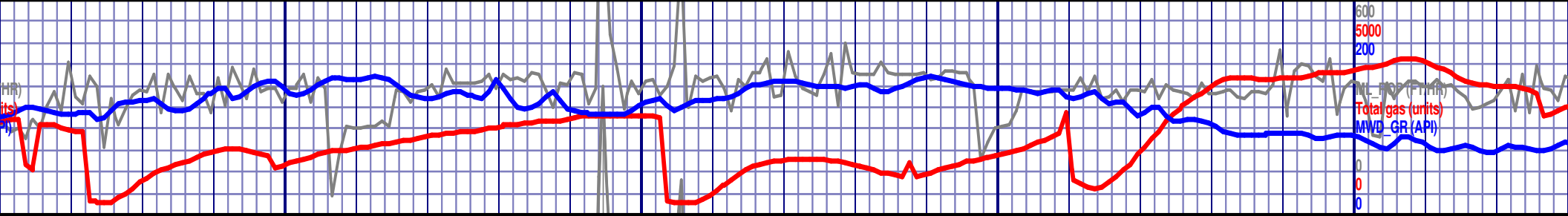












MD 8234 TVD 7166.78  
INC 90.77 AZ 271.69  
VS 47.66

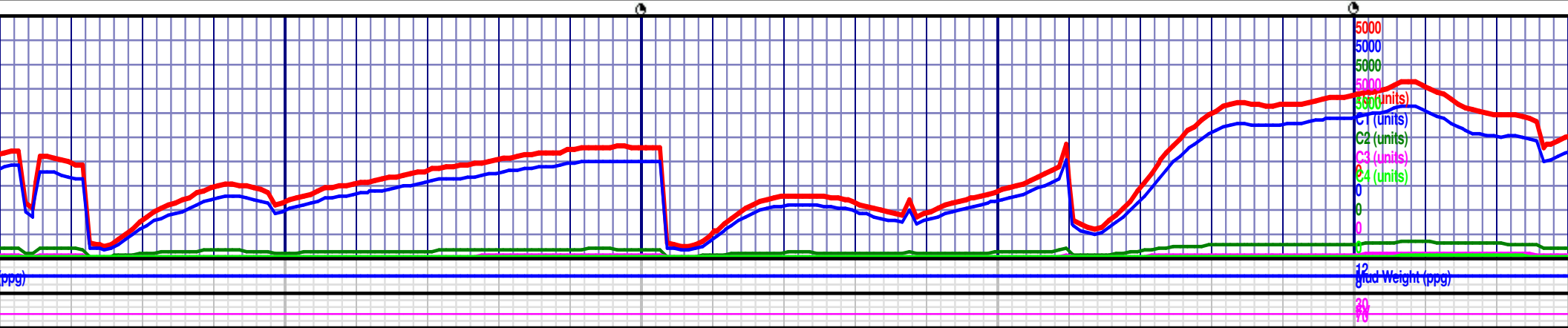
MD 8324 TVD 7165.64  
INC 90.68 AZ 272.11  
VS 136.22

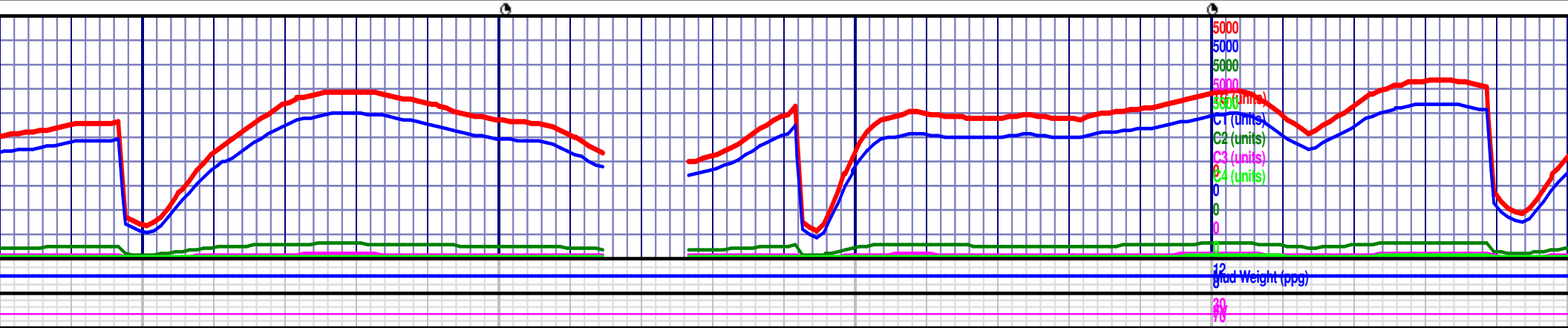
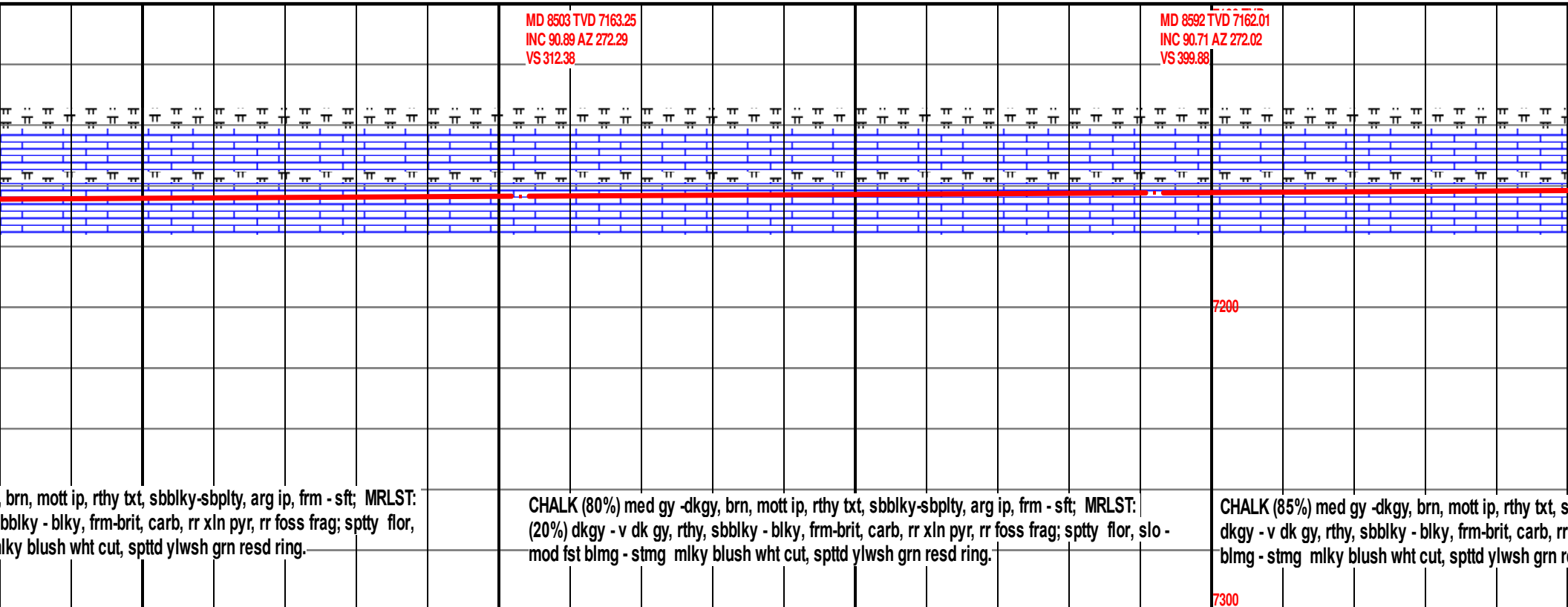
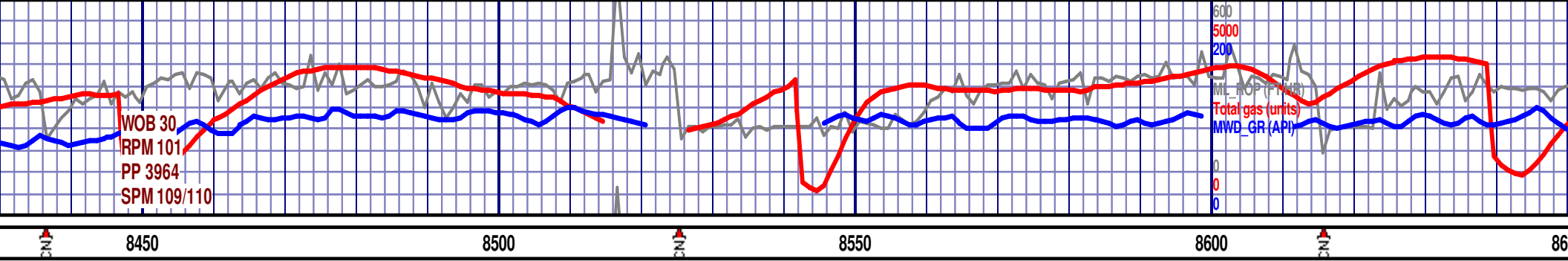
7100 TVD  
MD 8413 TVD 7164.53  
INC 90.74 AZ 271.46  
VS 223.82

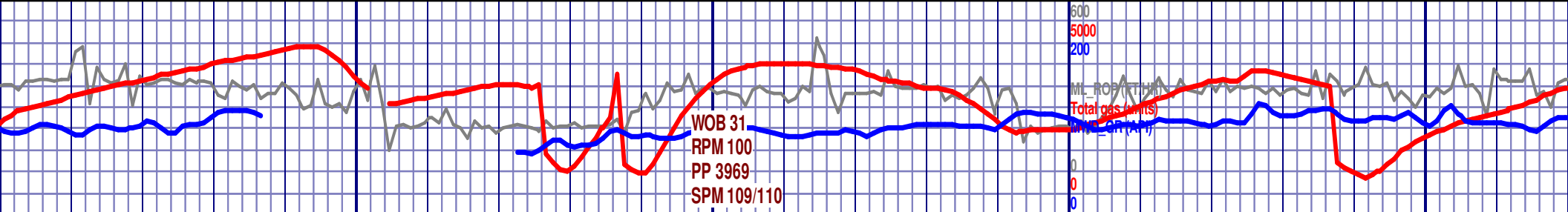
30%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (20%) dkgy -  
rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty flor, slo - mod fst blmg - stmg  
sh wht cut, spttd ylwsh grn resd ring.

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (20%)  
dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty flor, slo - mod fst  
blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

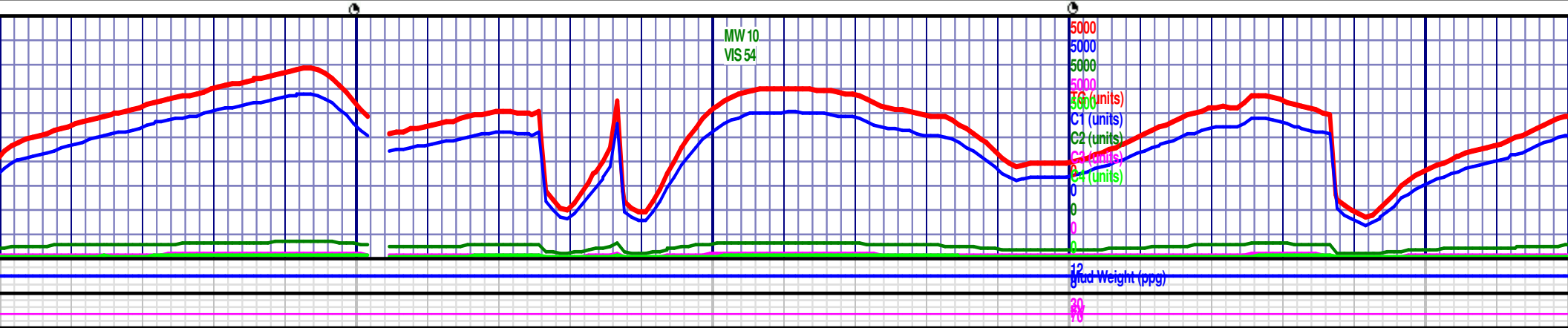
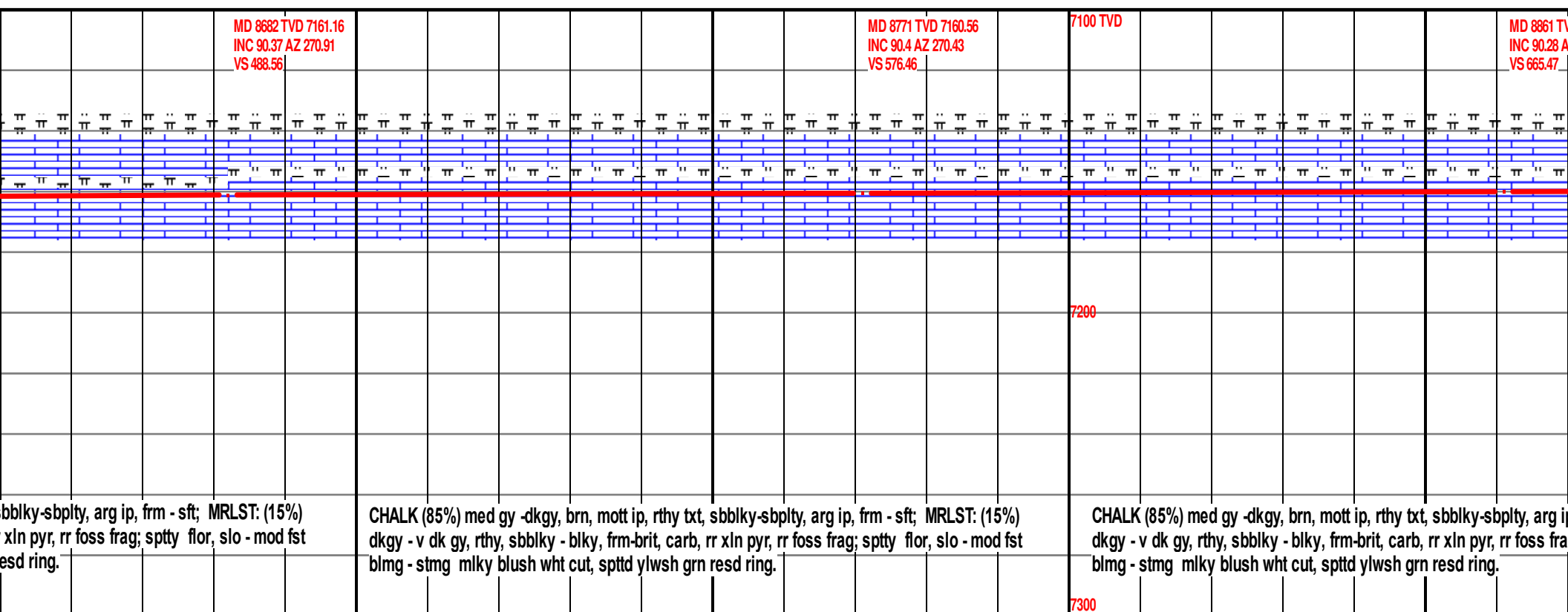
CHALK (80%) med gy -dkgy,  
(20%) dkgy - v dk gy, rthy, s  
slo - mod fst blmg - stmg m

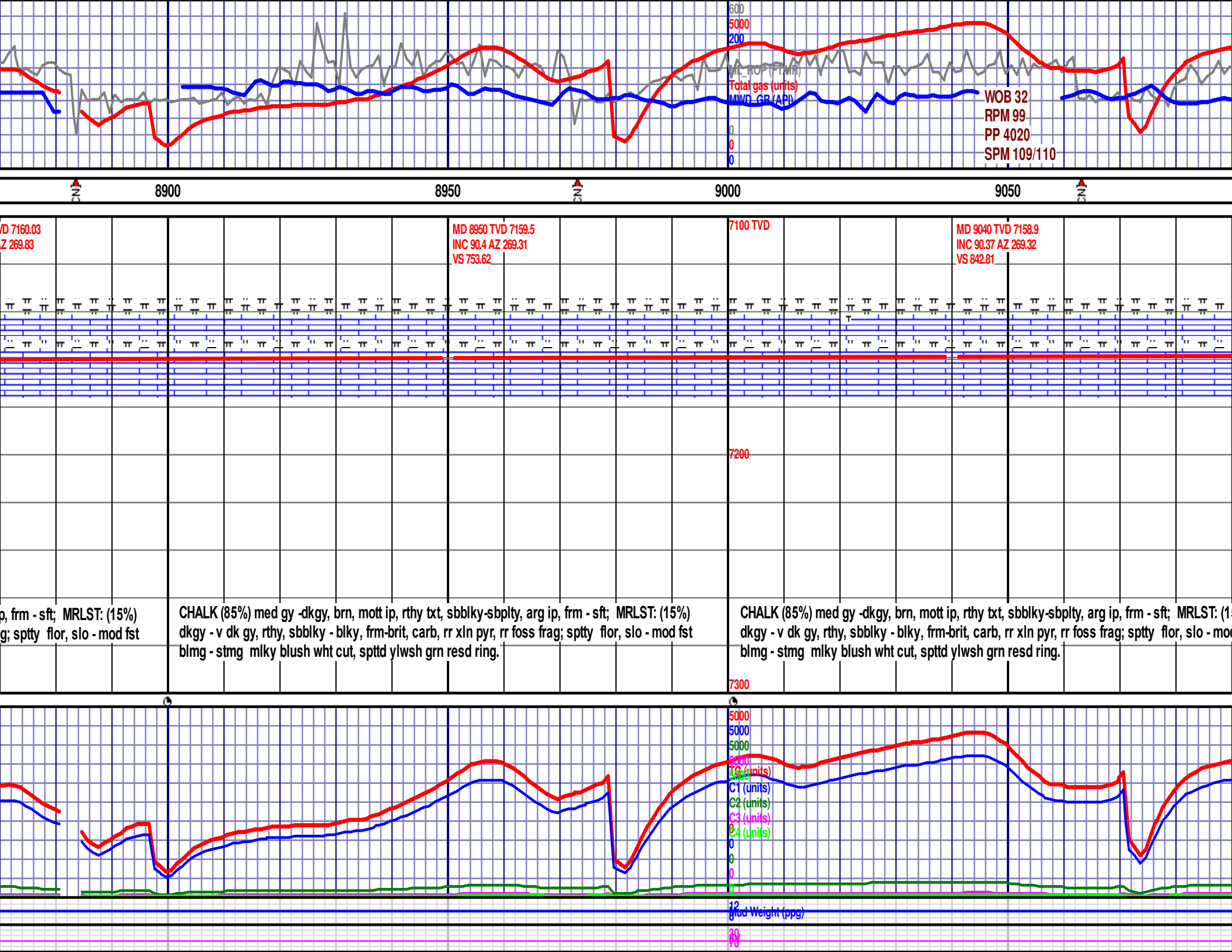




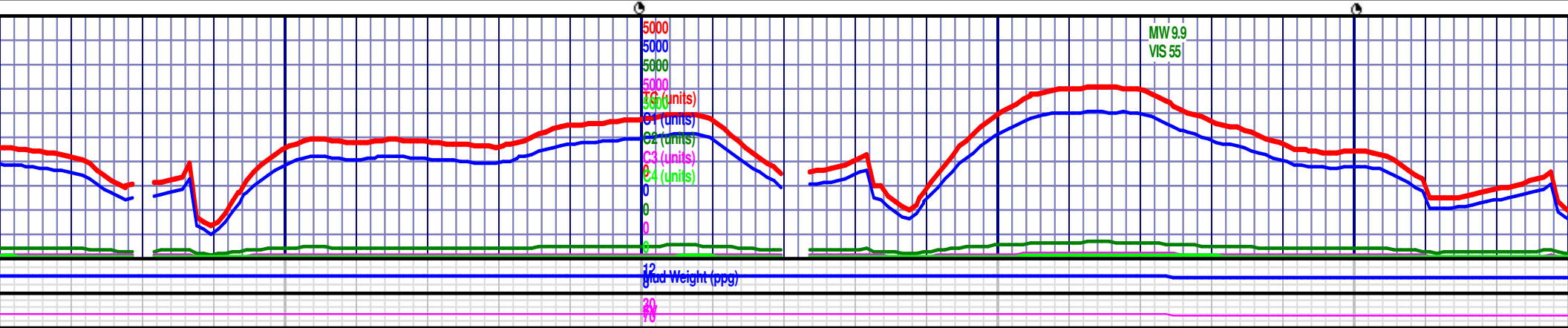
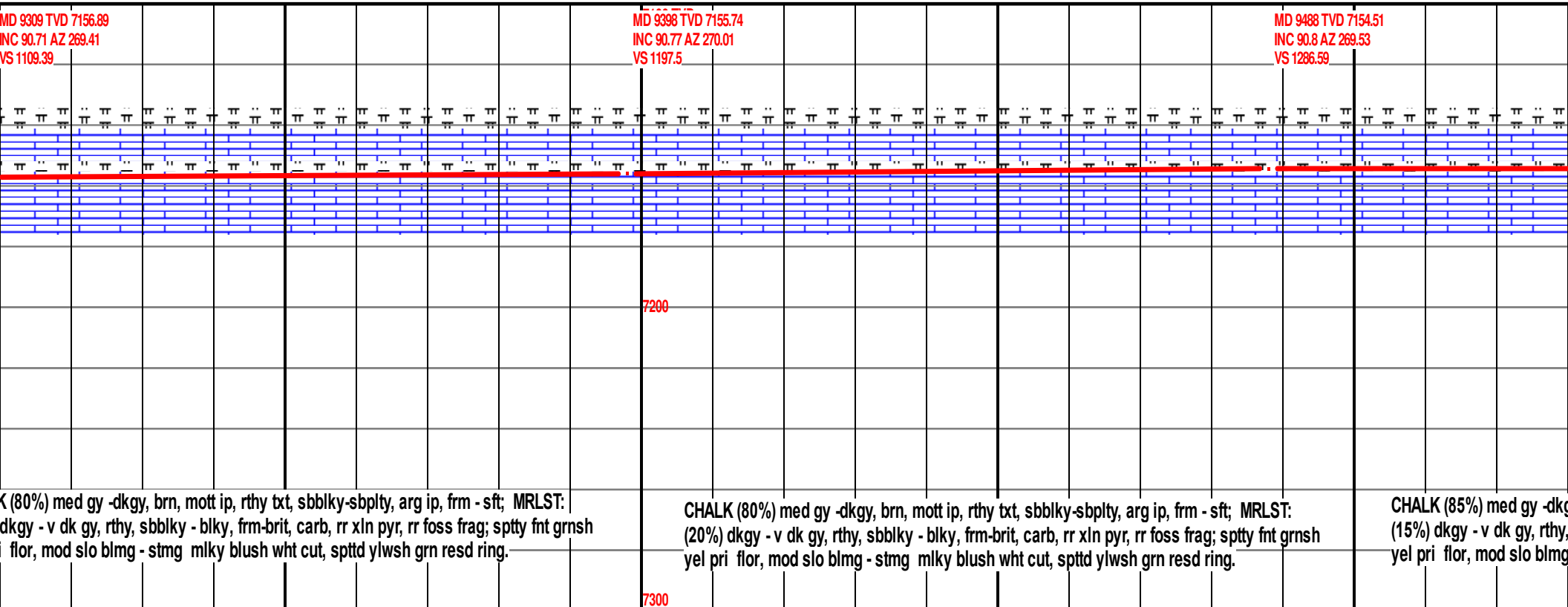
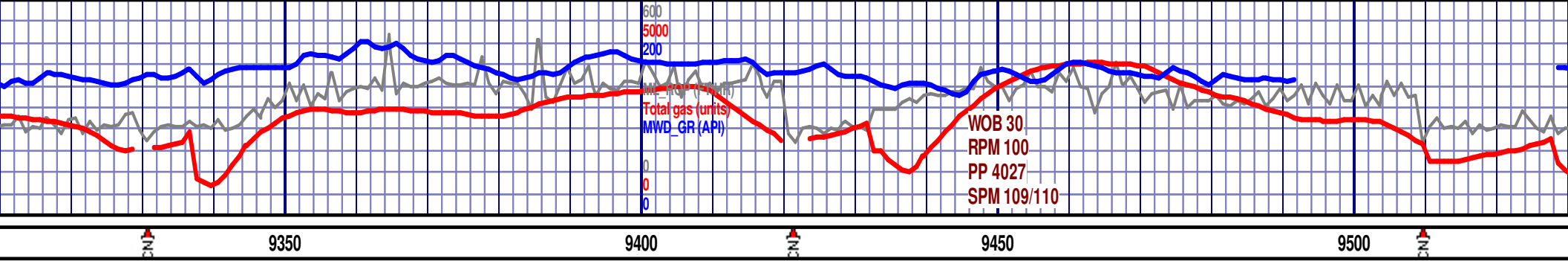


50 8700 8750 8800 8850

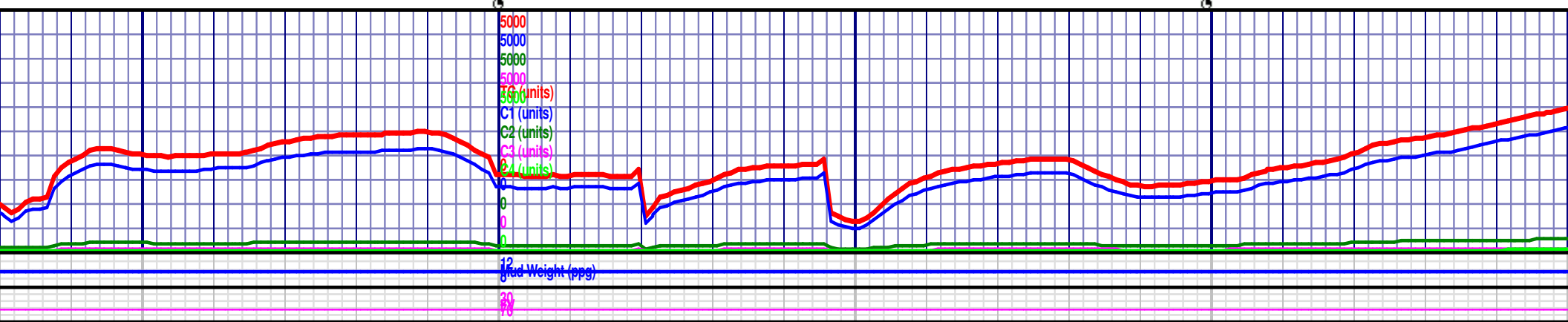
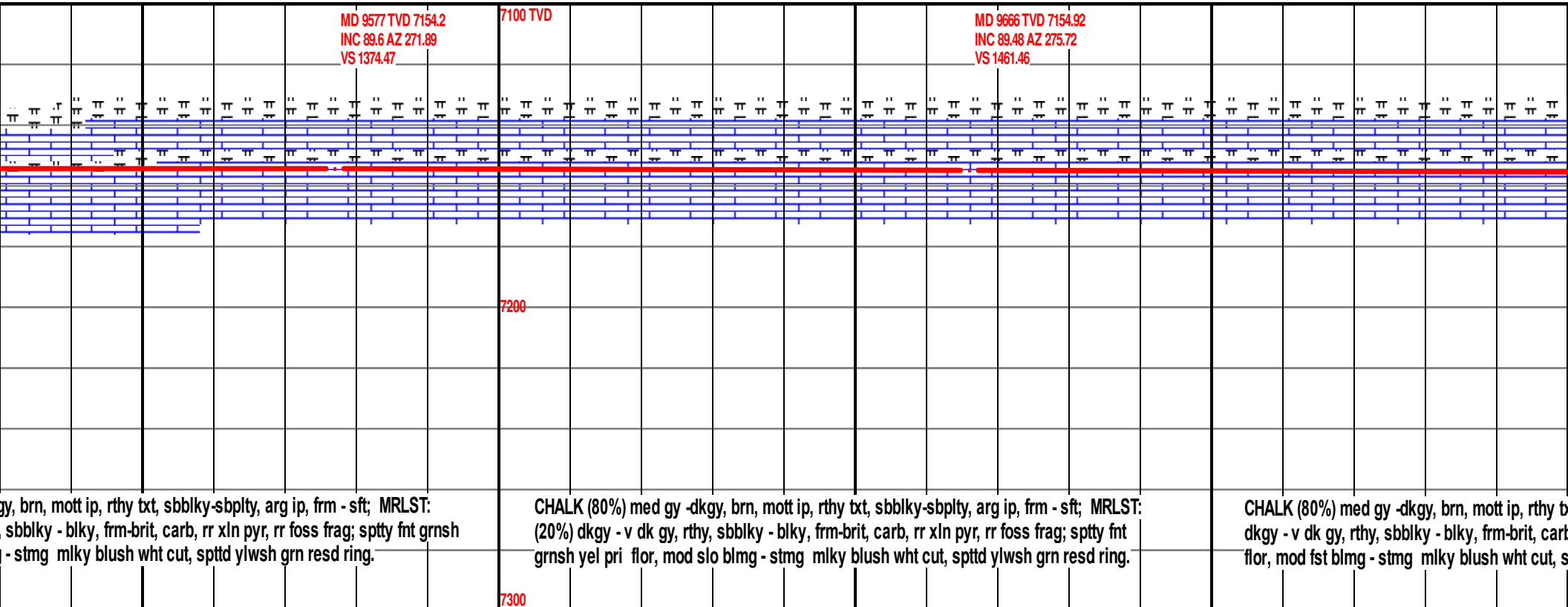
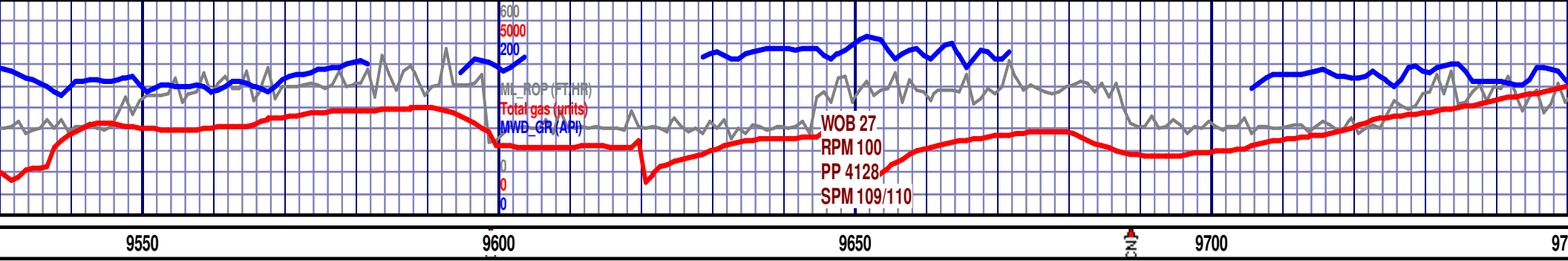


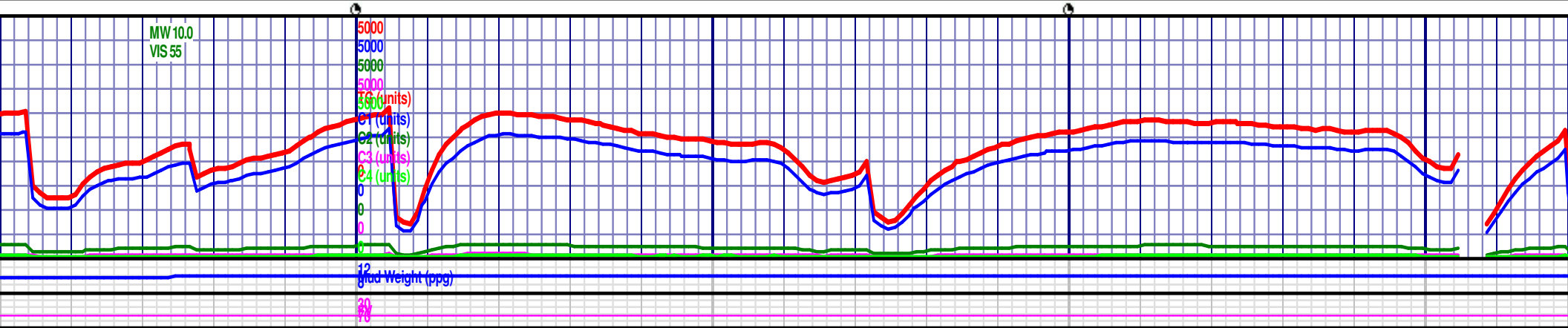
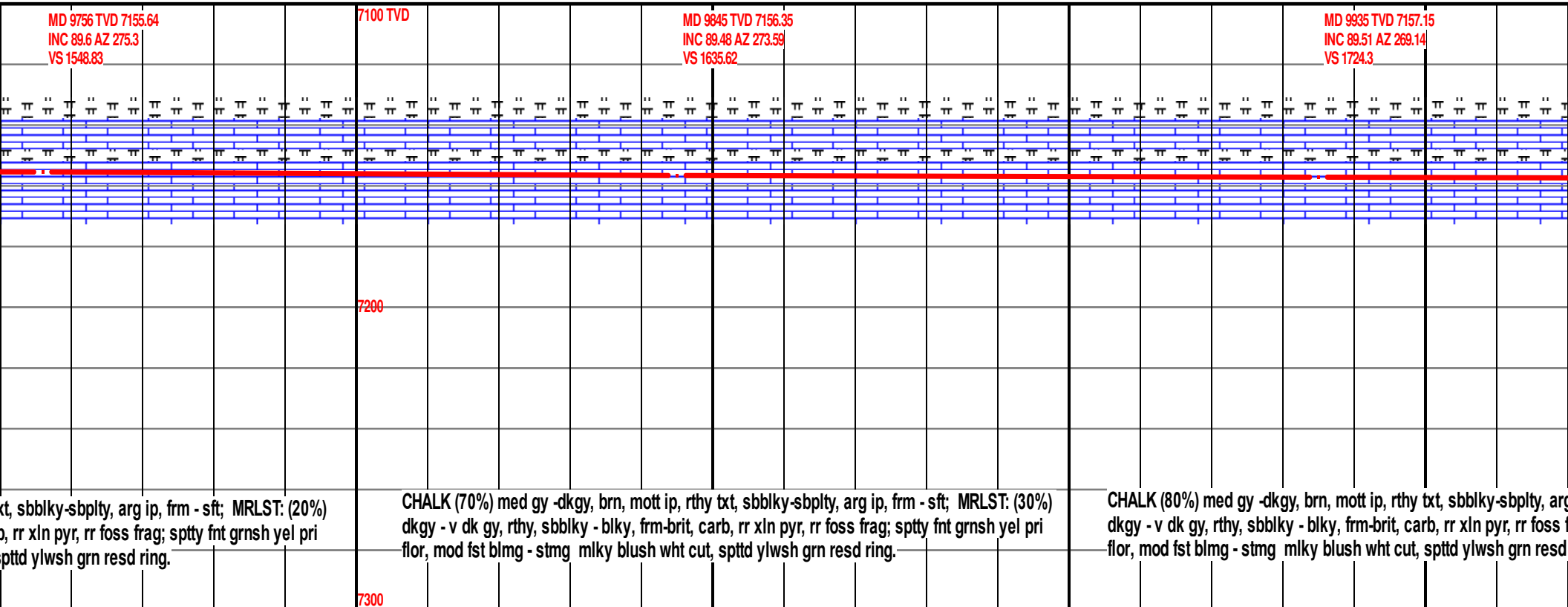
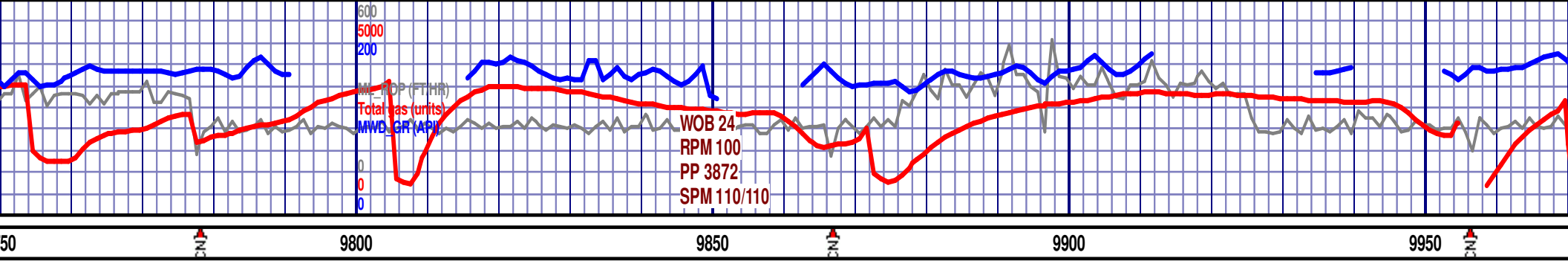




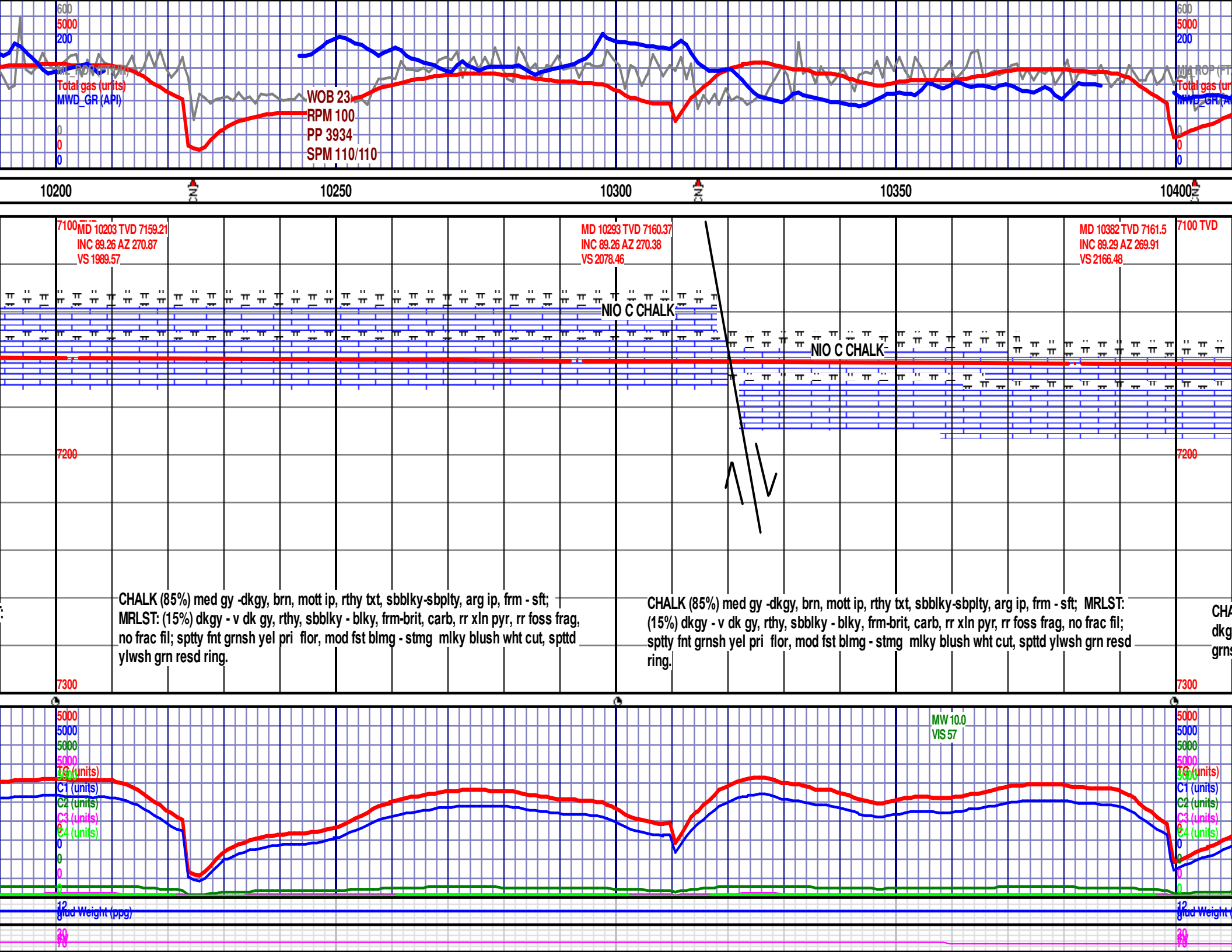


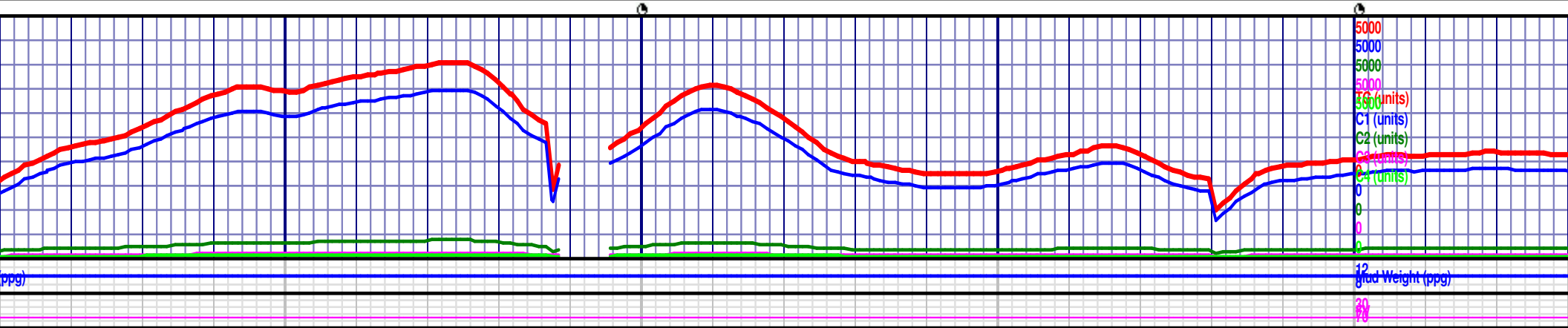
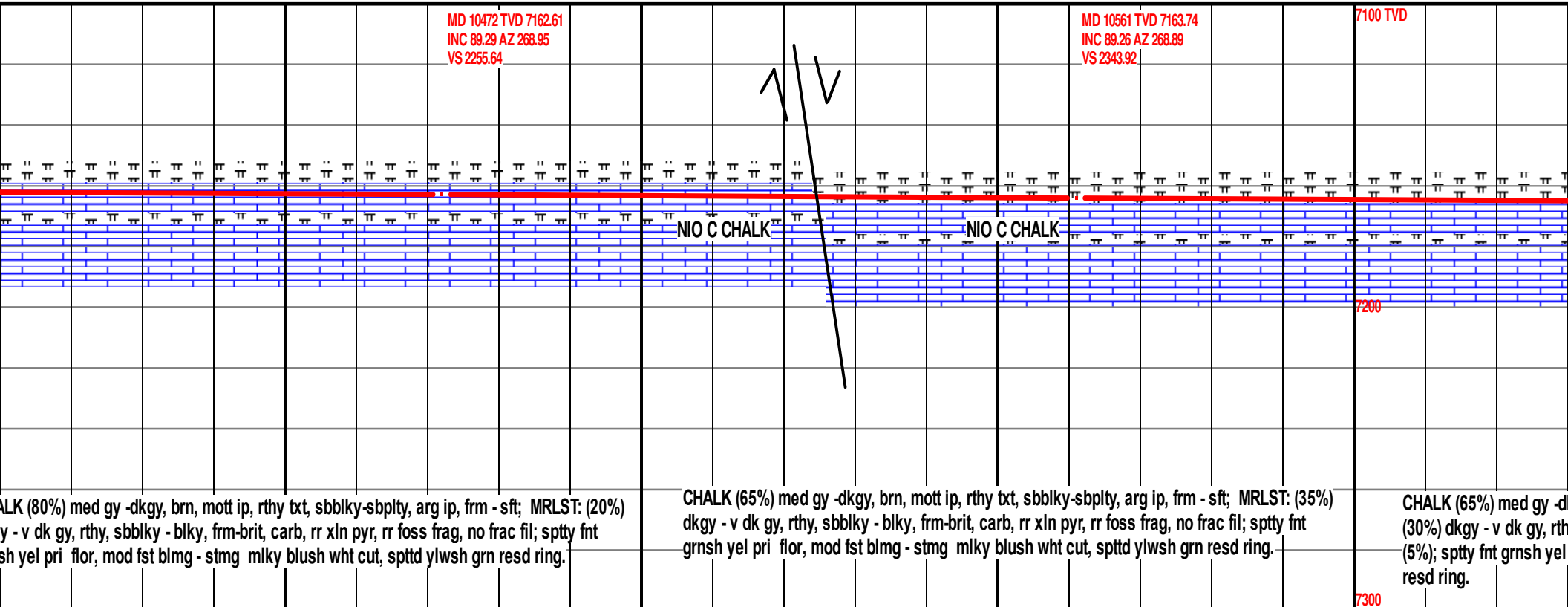
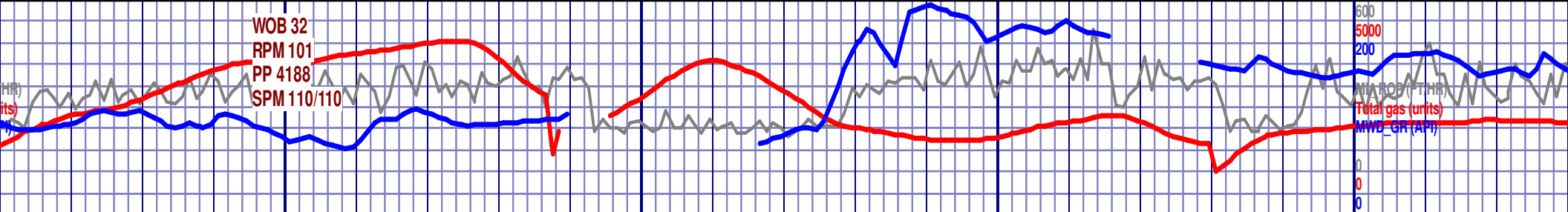


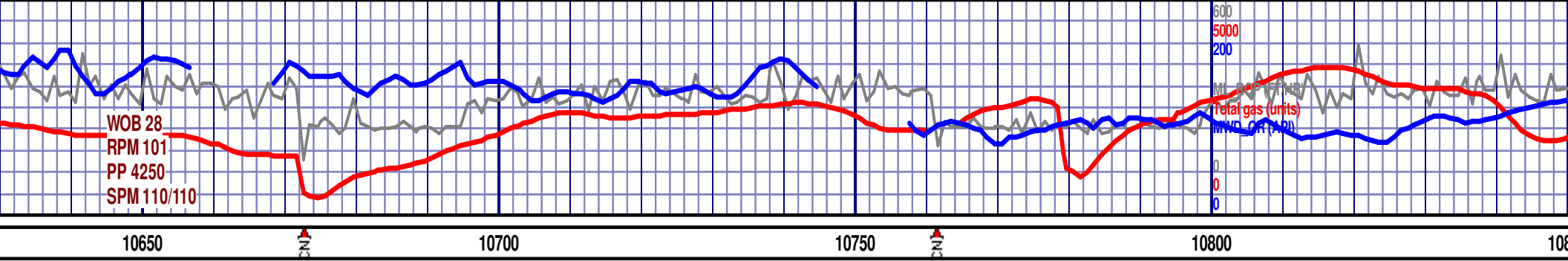












WOB 28  
RPM 101  
PP 4250  
SPM 110/110

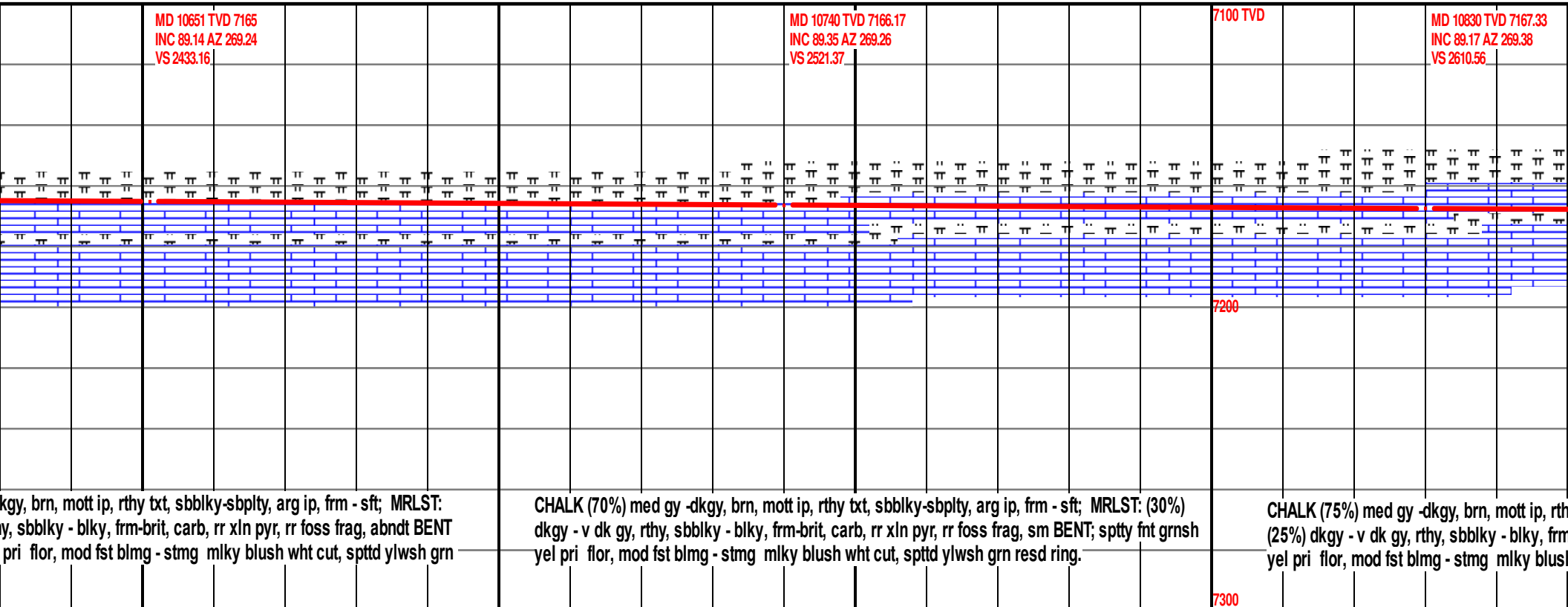
Total gas (units)  
MW (ppg)

MD 10651 TVD 7165  
INC 89.14 AZ 269.24  
VS 2433.16

MD 10740 TVD 7166.17  
INC 89.35 AZ 269.26  
VS 2521.37

7100 TVD

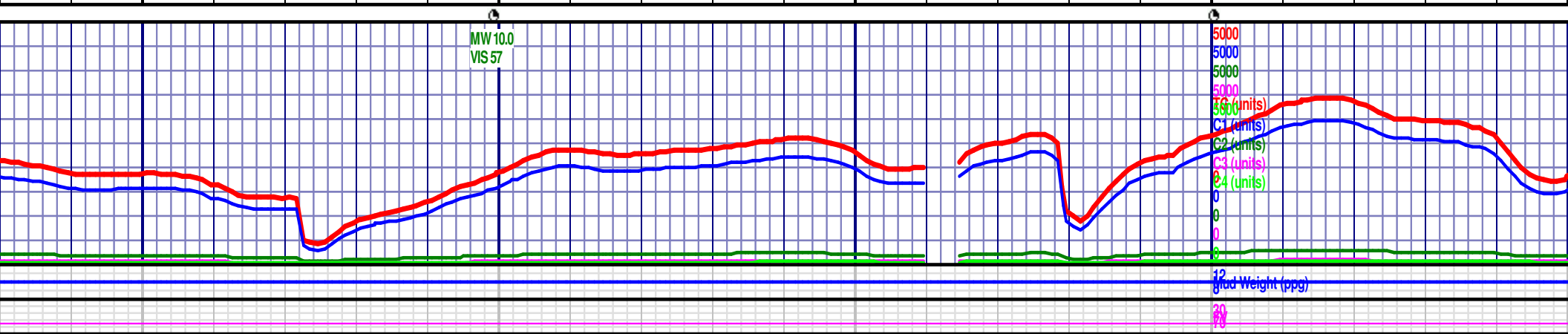
MD 10830 TVD 7167.33  
INC 89.17 AZ 269.38  
VS 2610.56



kg, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST:  
y, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag, abndt BENT  
pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn

CHALK (70%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (30%)  
dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag, sm BENT; sptty fnt grnsh  
yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

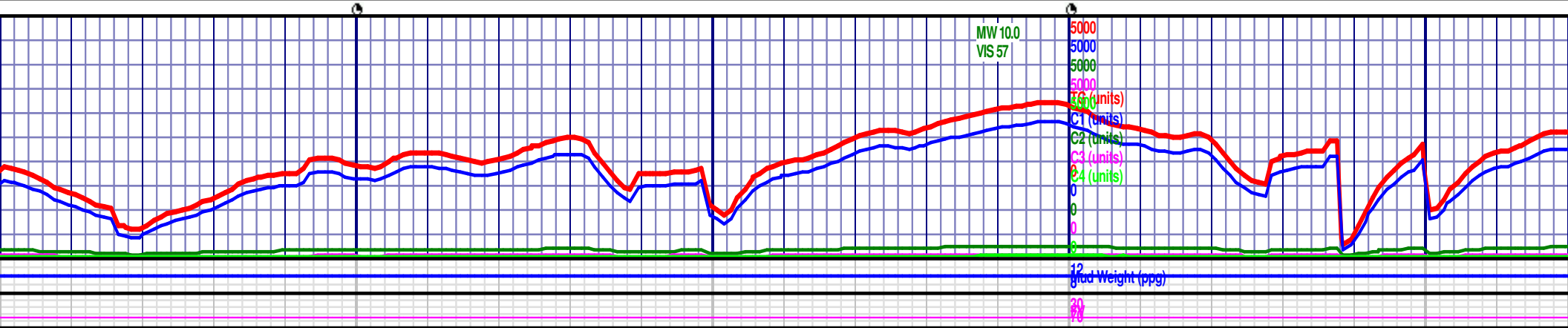
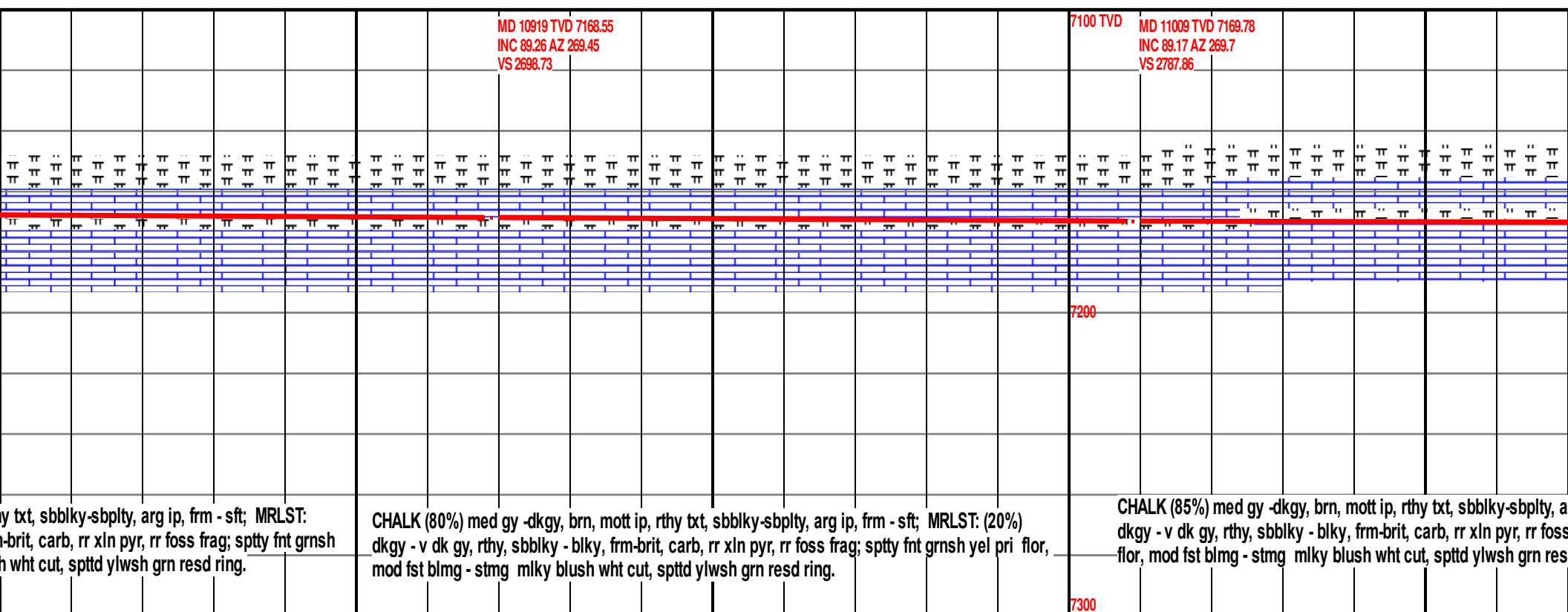
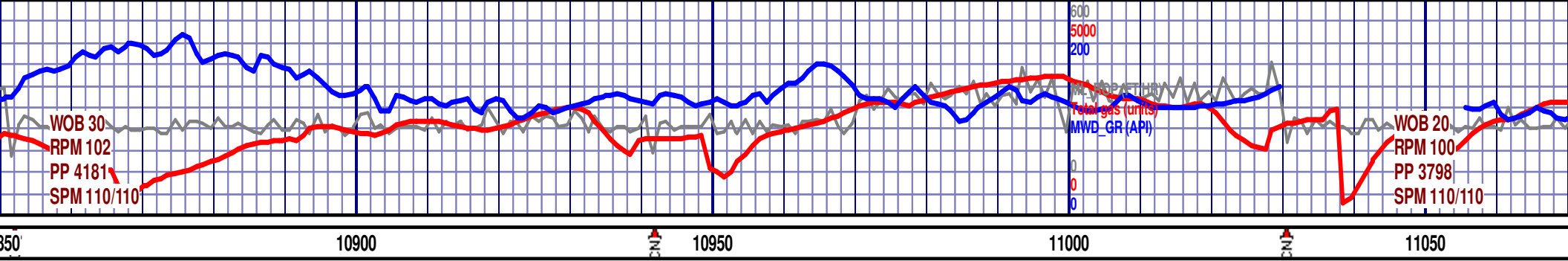
CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%)  
dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag, sm BENT; sptty fnt grnsh  
yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

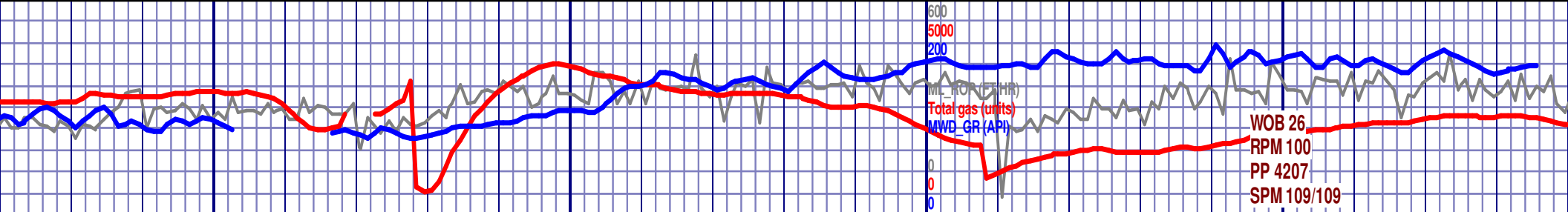


MW 10.0  
VIS 57

C1 (units)  
C2 (units)  
C3 (units)  
C4 (units)

Fluid Weight (ppg)





11100

11150

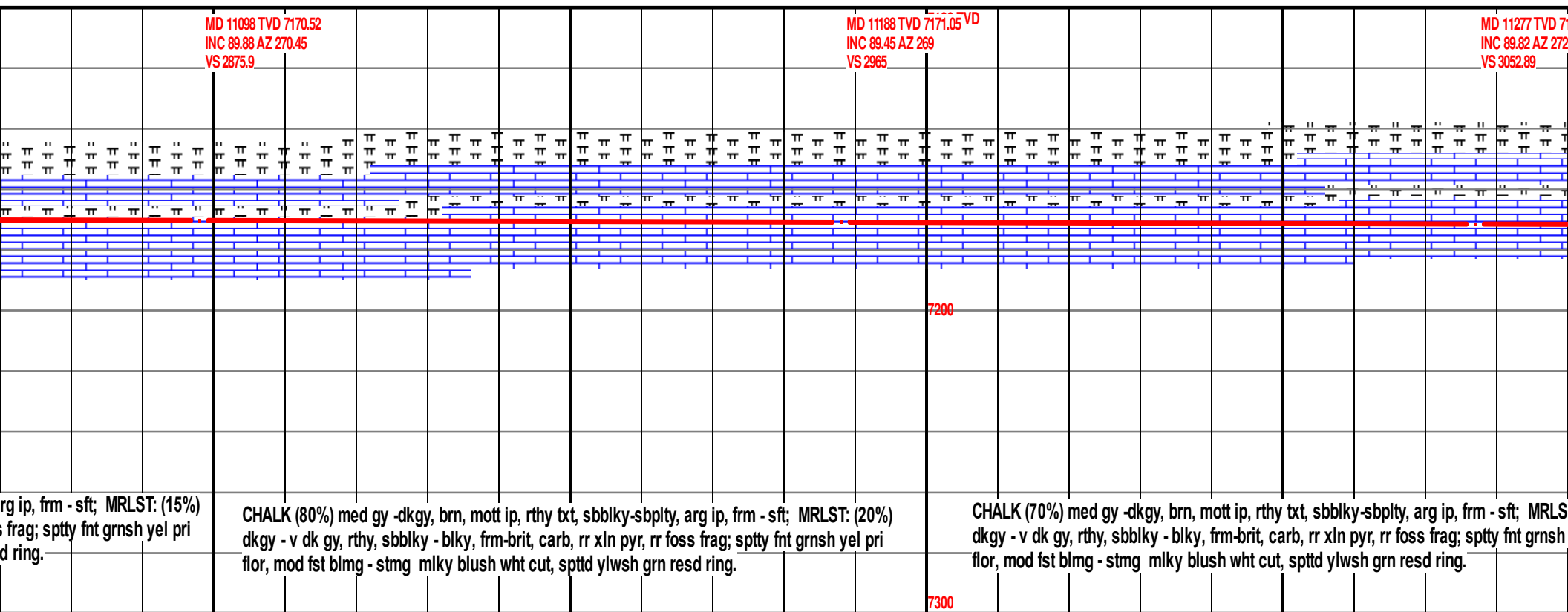
11200

11250

MD 11098 TVD 7170.52  
INC 89.88 AZ 270.45  
VS 2875.9

MD 11188 TVD 7171.05  
INC 89.45 AZ 269  
VS 2965

MD 11277 TVD 7171.05  
INC 89.82 AZ 272  
VS 3052.89



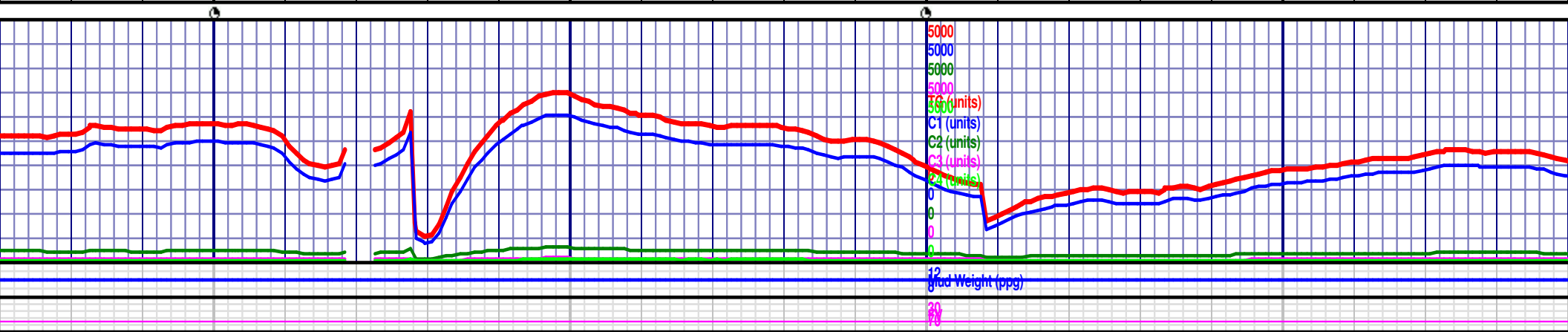
7200

7300

arg ip, frm - sft; MRLST: (15%)  
frag; sptty fnt grnsh yel pri  
d ring.

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (20%)  
dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri  
flr, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (70%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLS  
dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh  
flr, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.



5000

5000

5000

5000

5000

5000

5000

5000

5000

5000

5000

5000

5000

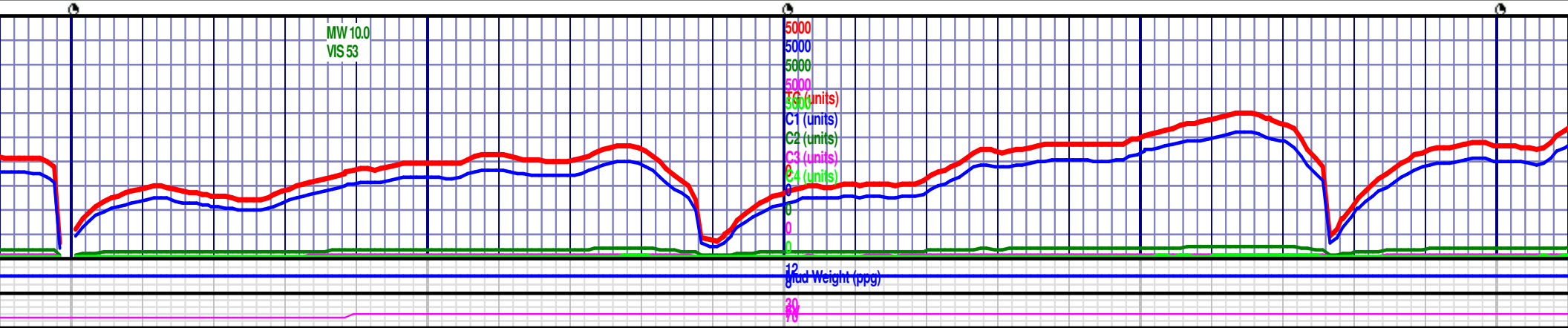
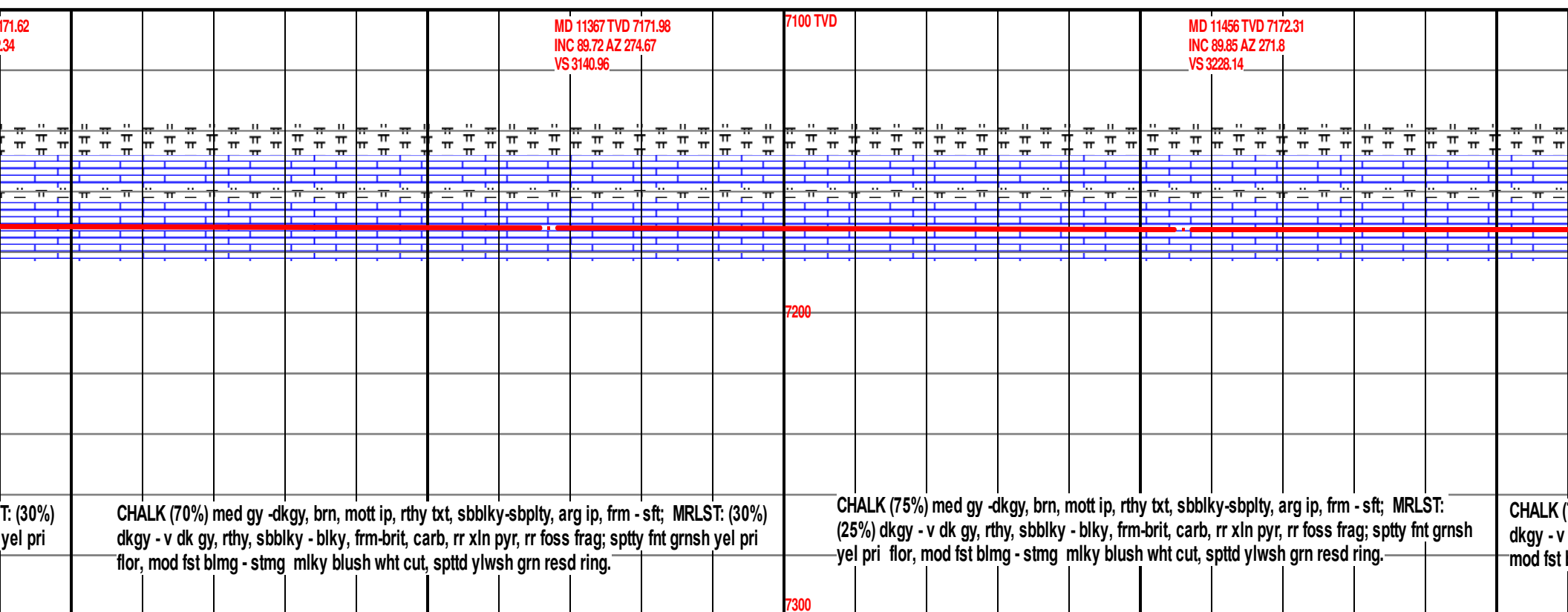
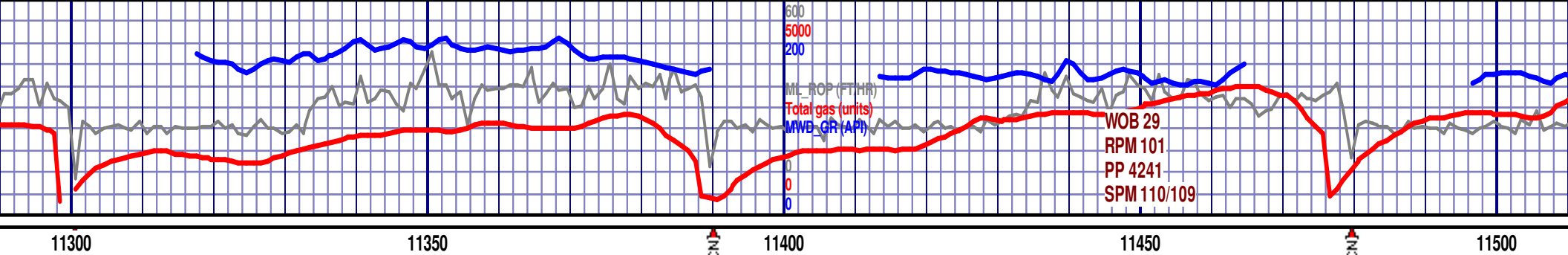
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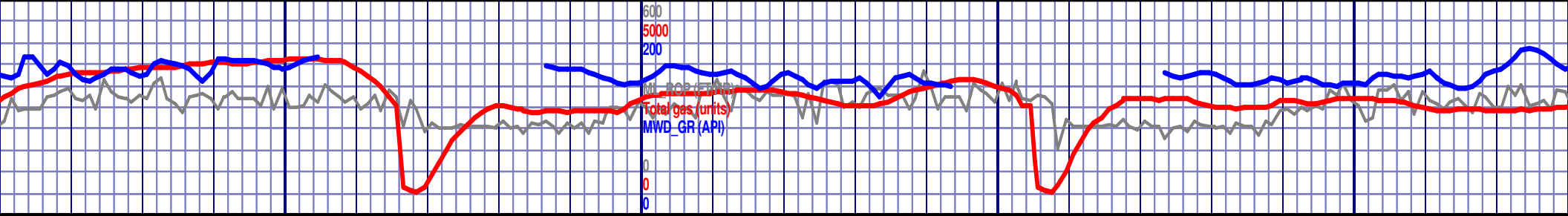
5000

5000

5000







11550

11600

11650

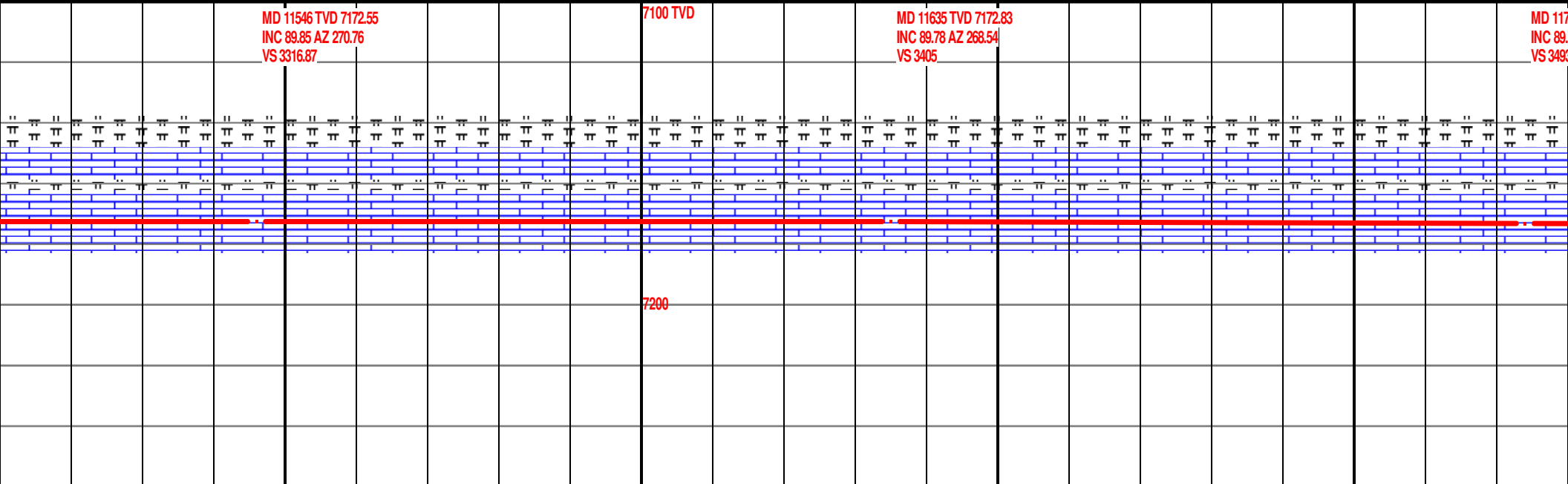
11700

MD 11546 TVD 7172.55  
INC 89.85 AZ 270.76  
VS 3316.87

7100 TVD

MD 11635 TVD 7172.83  
INC 89.78 AZ 268.54  
VS 3405

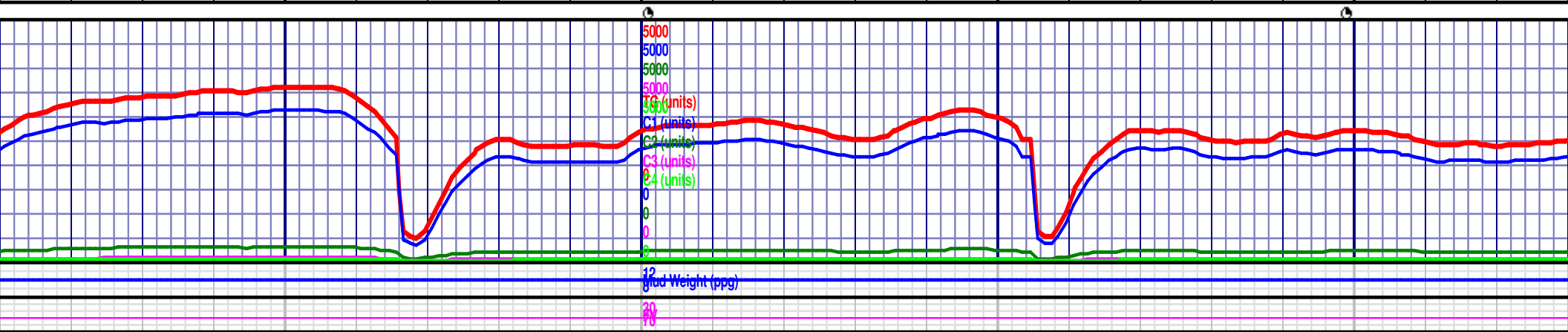
MD 11711 TVD 7173.15  
INC 89.71 AZ 268.54  
VS 3493

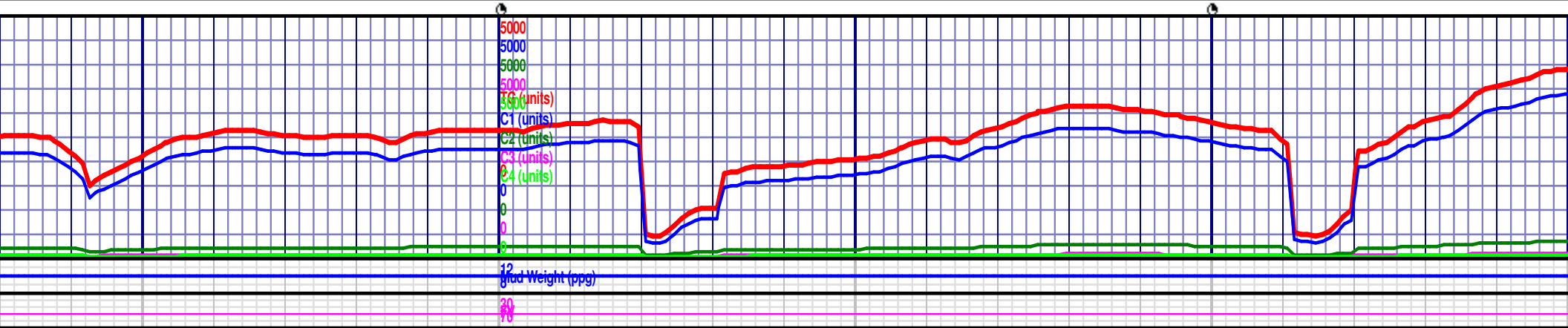
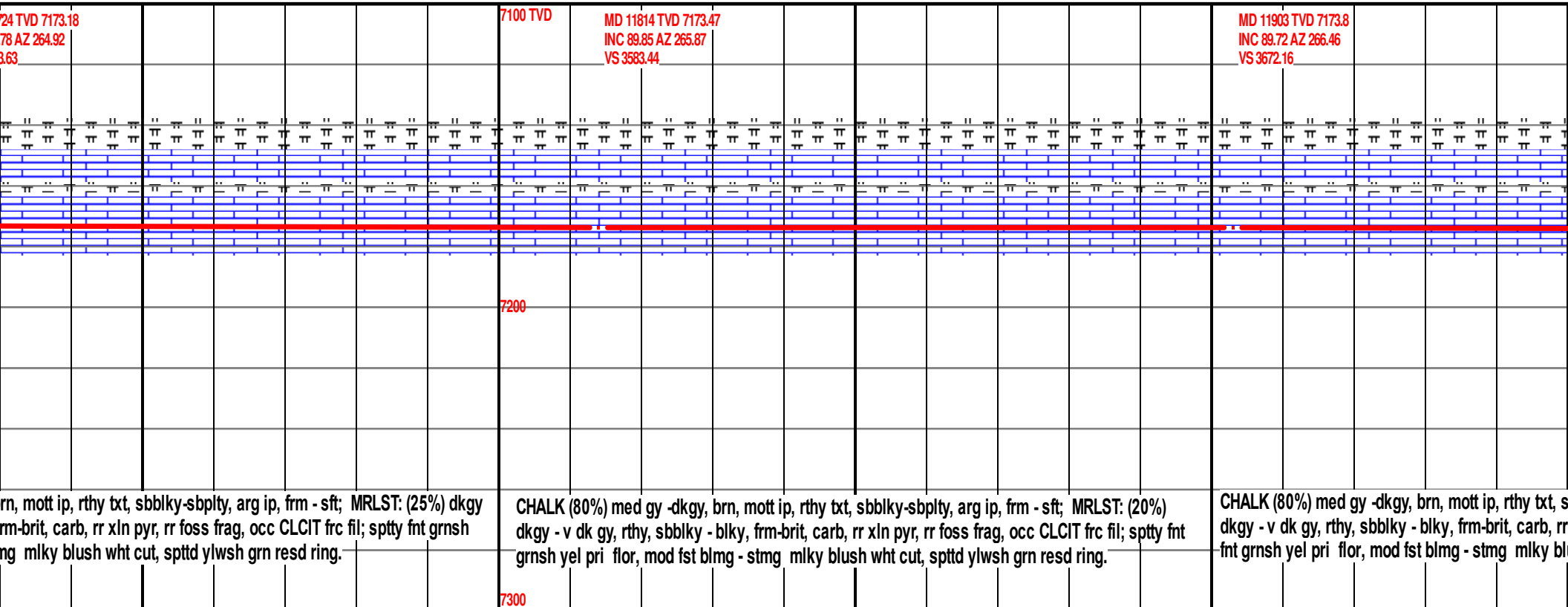
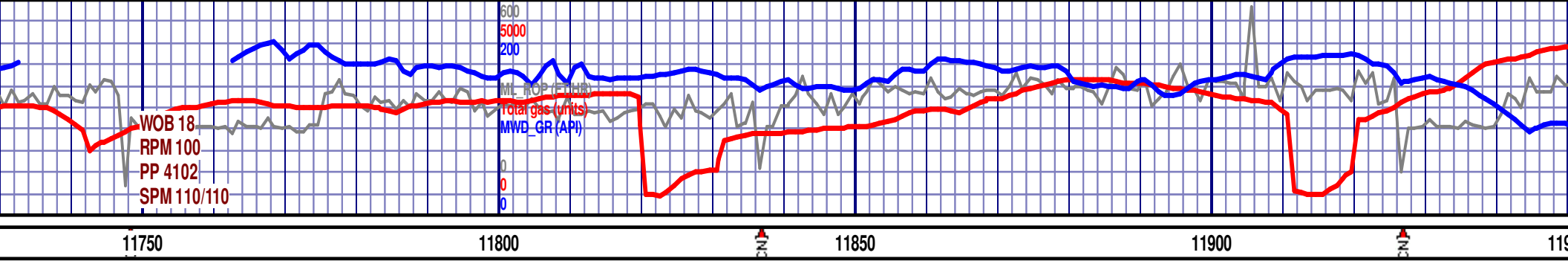


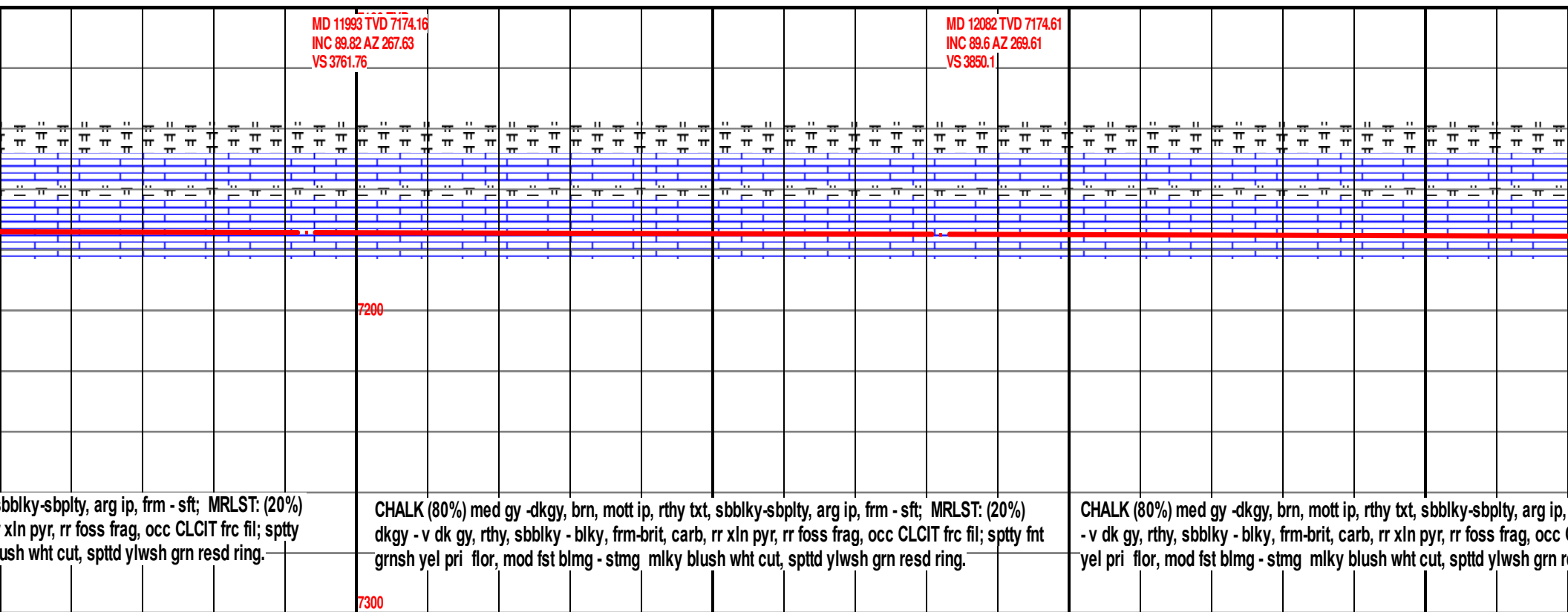
75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%)  
dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri flor,  
blmg - stmg mlky blush wht cut, spttd ylwh grn resd ring.

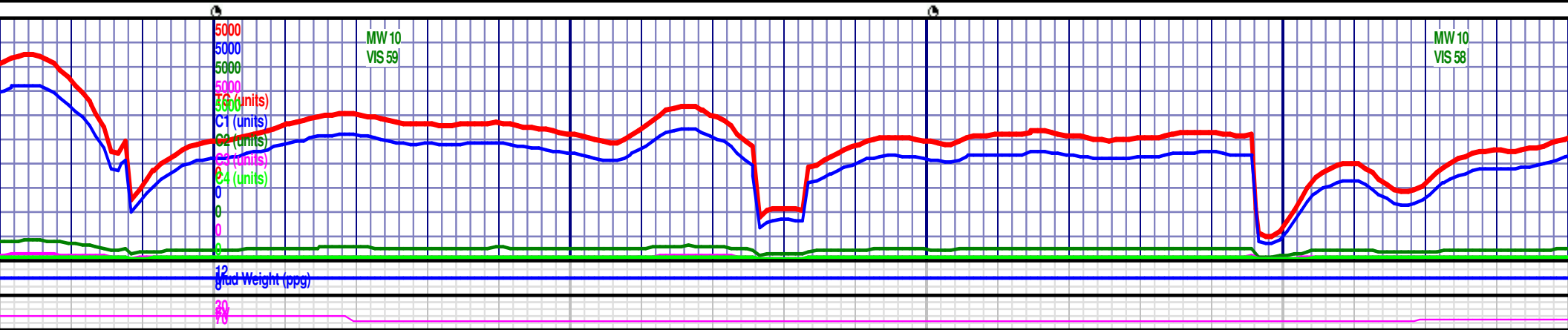
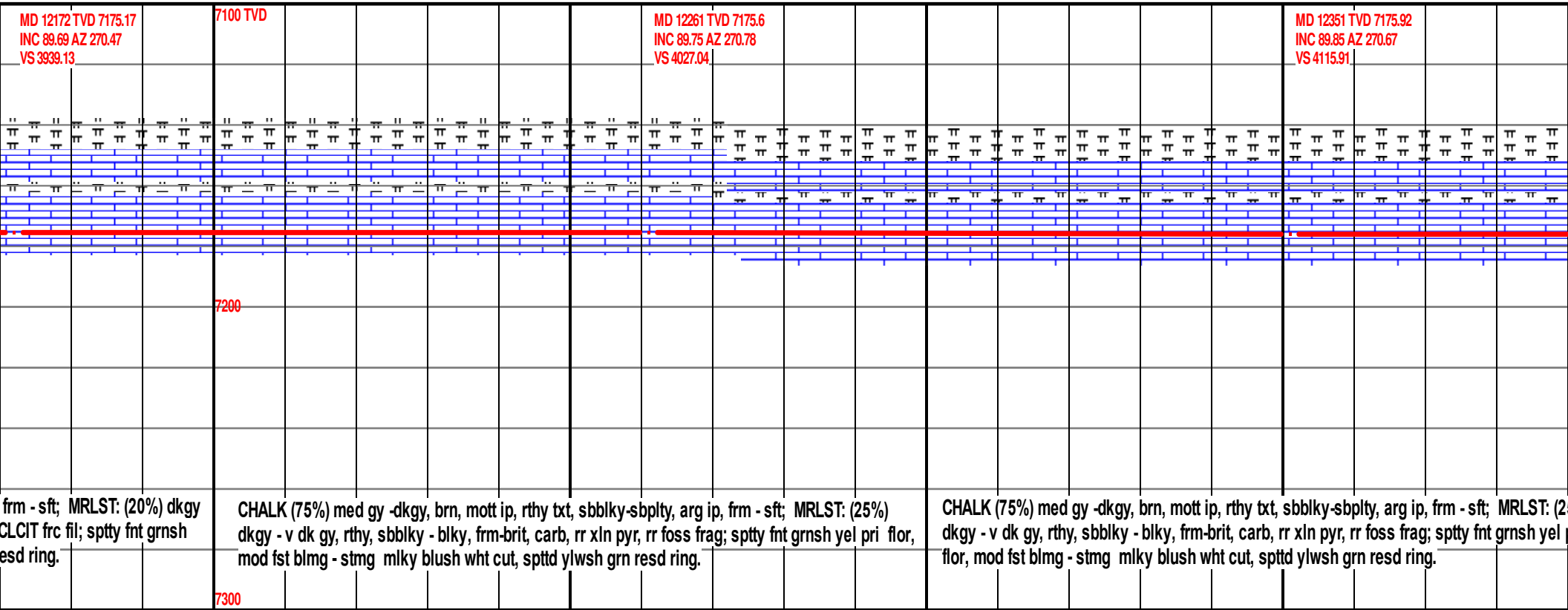
CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%)  
dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri  
flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwh grn resd ring.

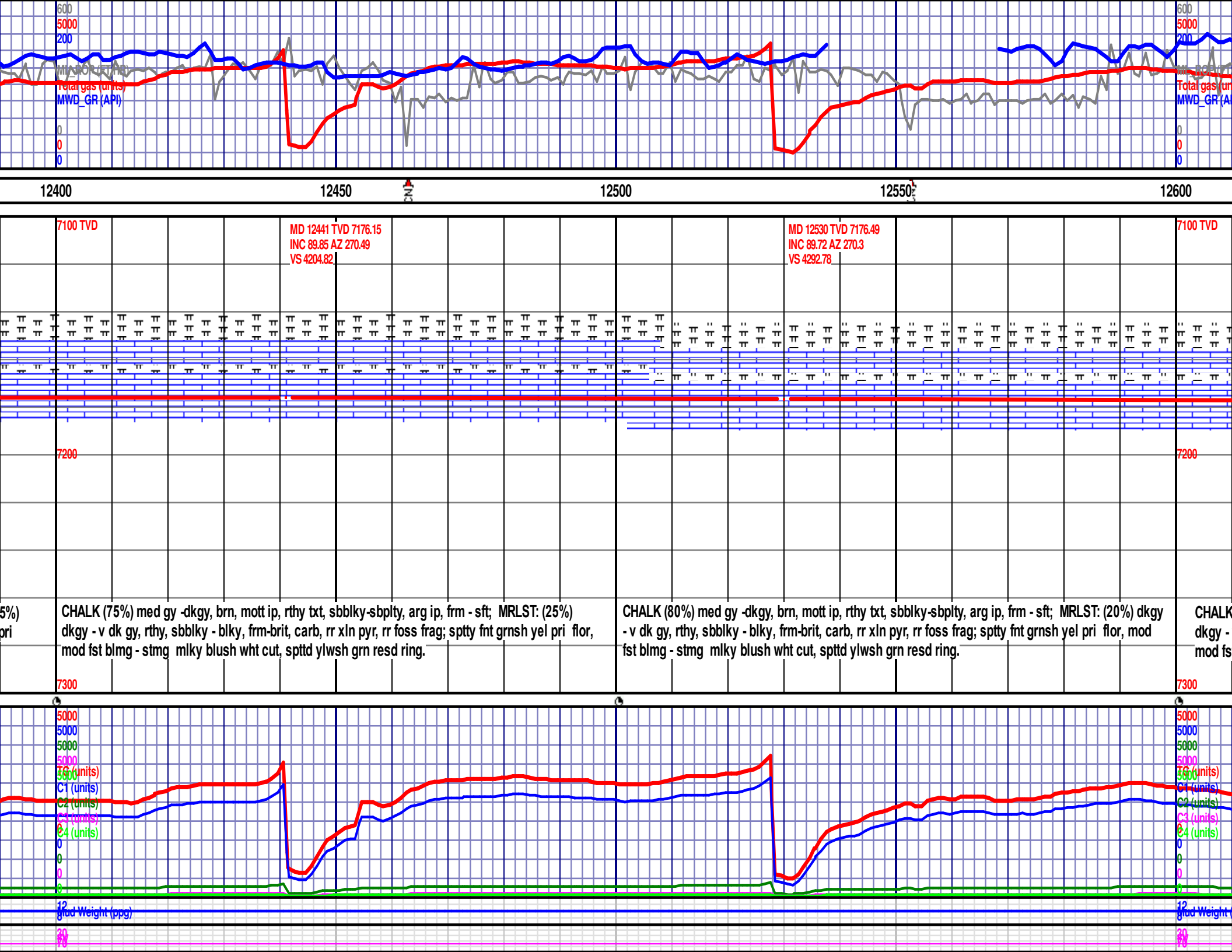
CHALK (75%) med gy -dkgy, b  
- v dk gy, rthy, sbblky - blky, f  
yel pri flor, mod fst blmg - str

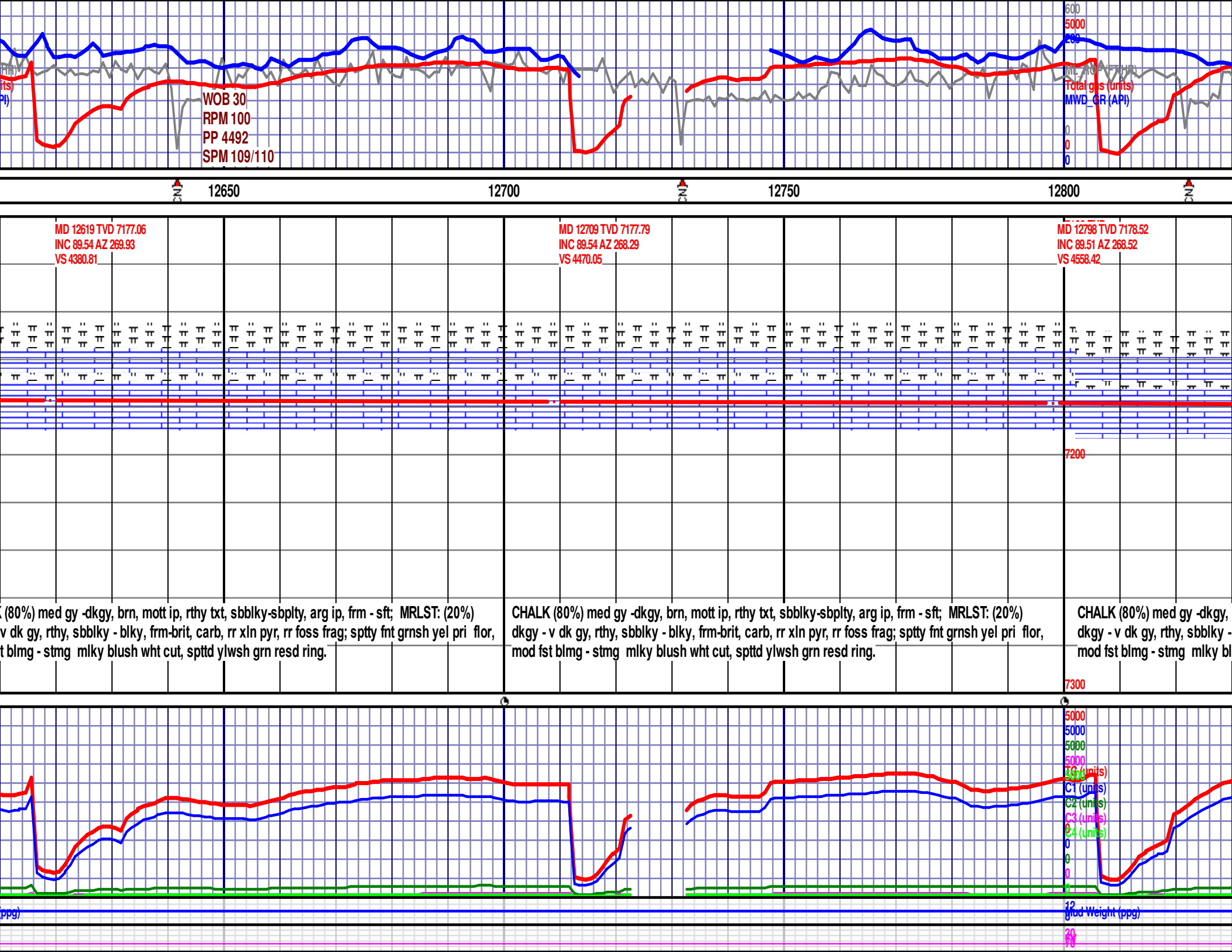


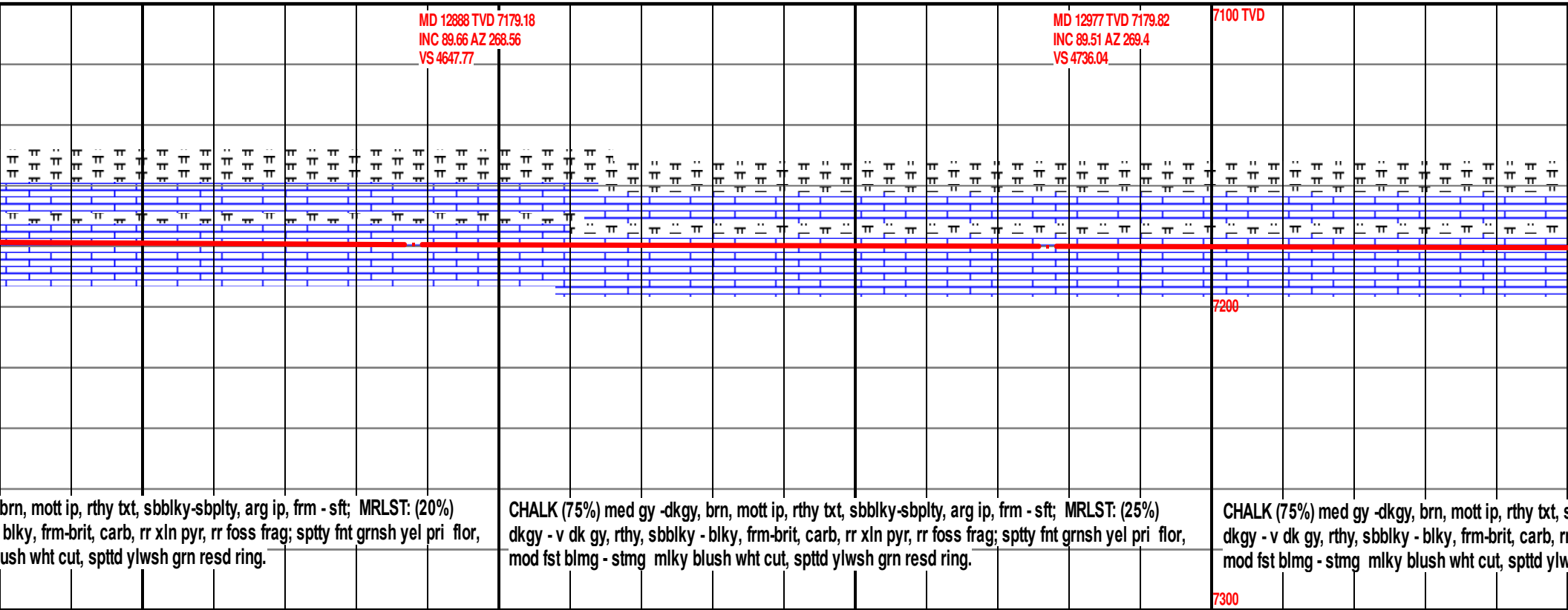




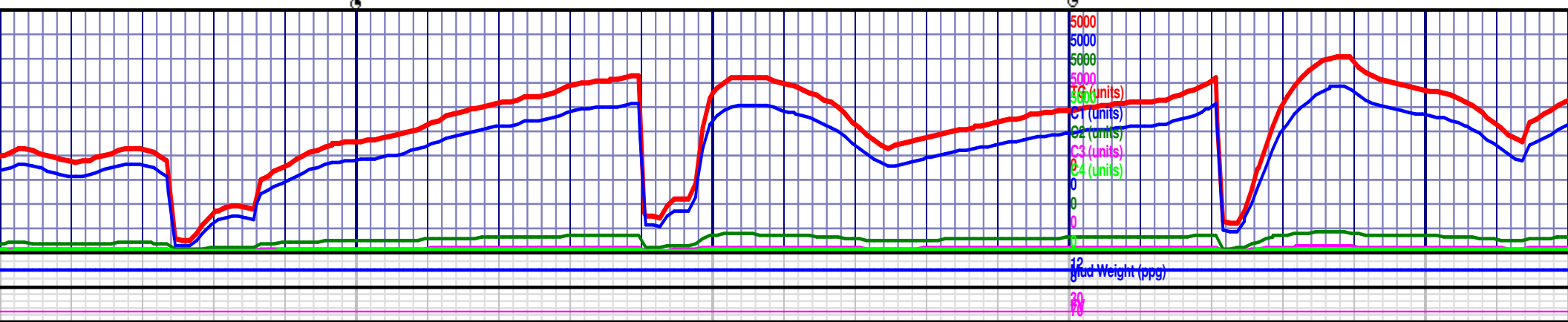
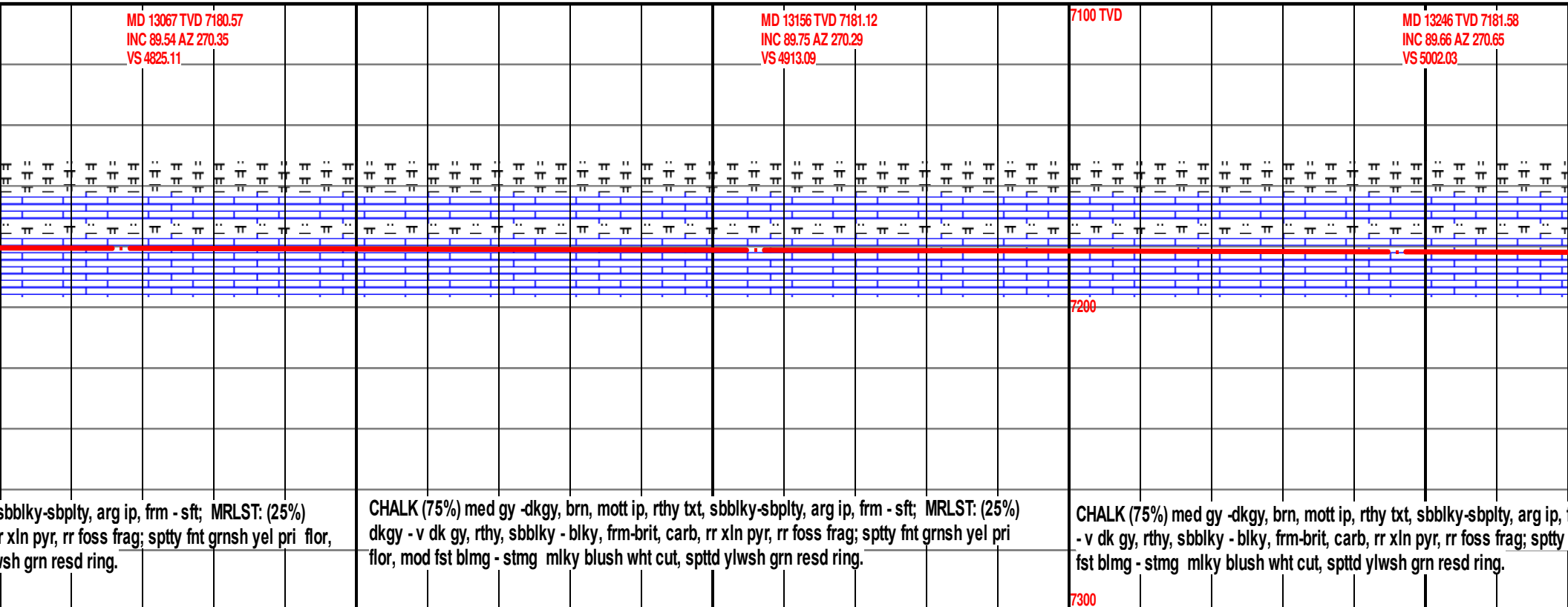
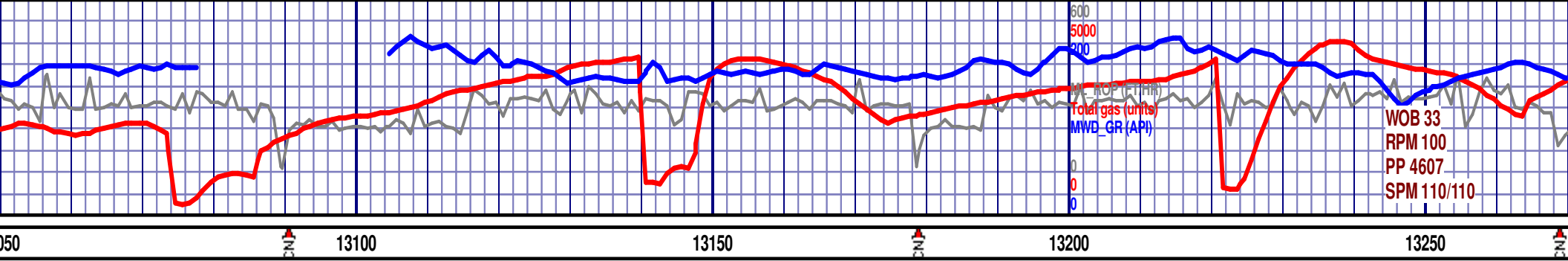


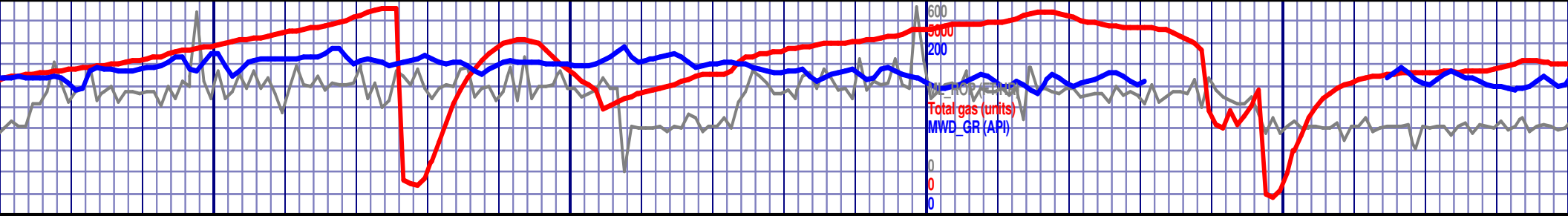












13300

13350

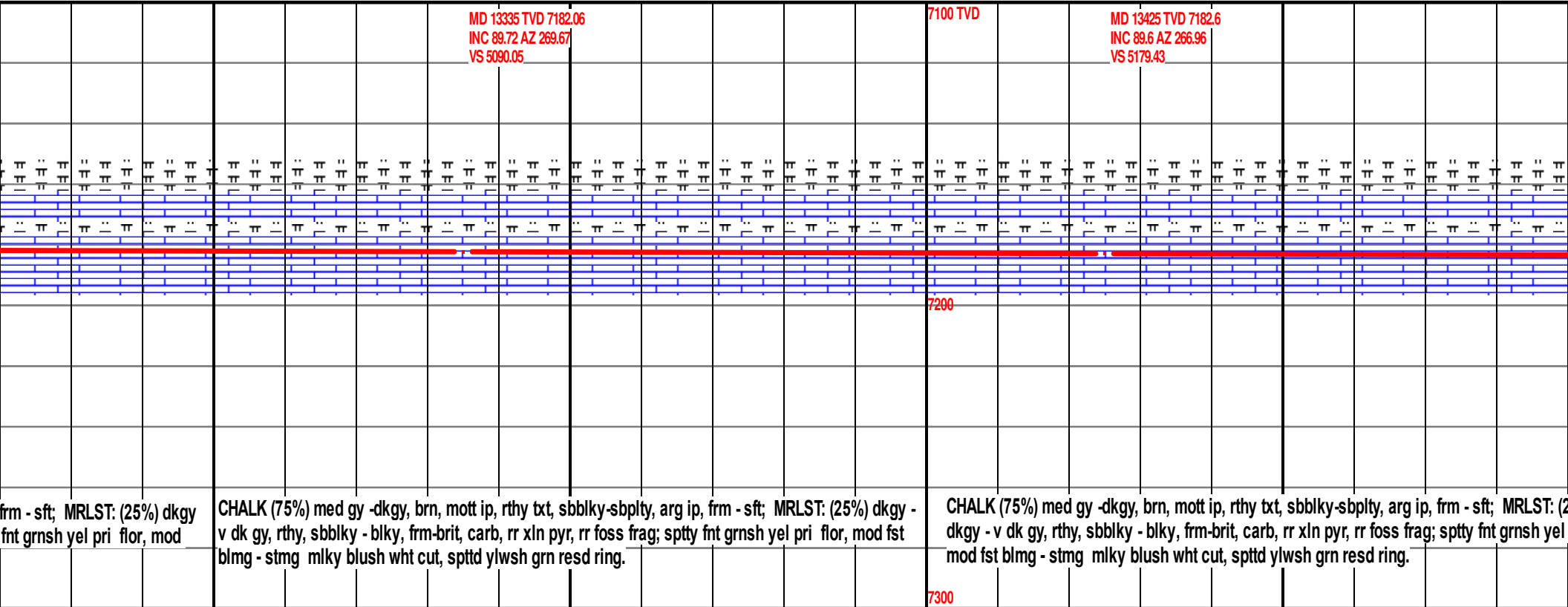
13400

13450

MD 13335 TVD 7182.06  
INC 89.72 AZ 269.67  
VS 5090.05

7100 TVD

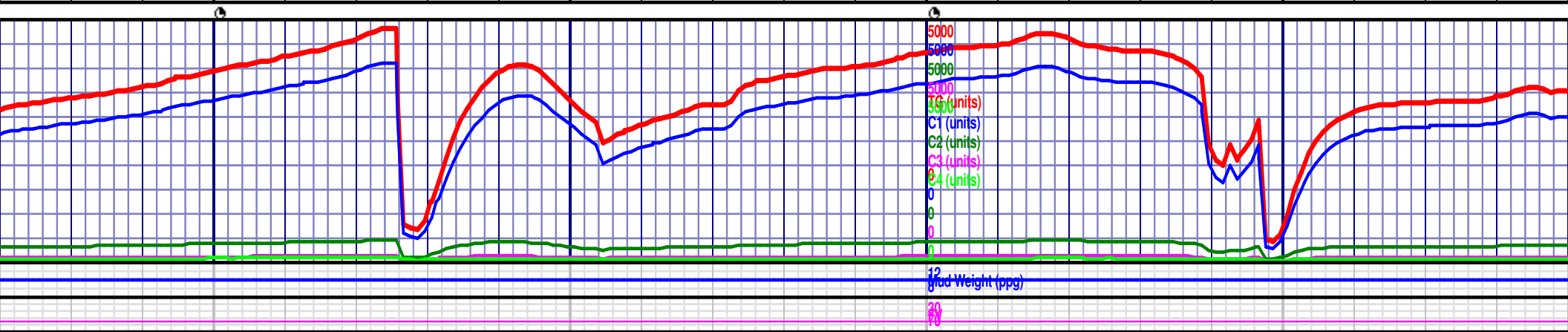
MD 13425 TVD 7182.6  
INC 89.6 AZ 266.96  
VS 5179.43



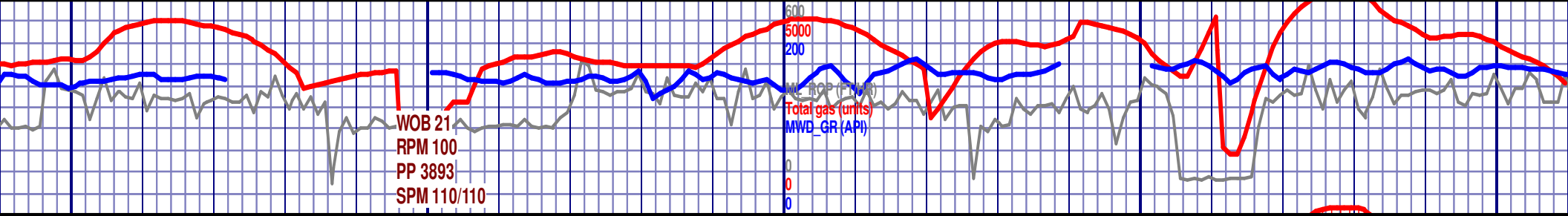
frm - sft; MRLST: (25%) dkgy  
fnt grnsh yel pri flor, mod

CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.



Mod Weight (ppg)



13500

13550

13600

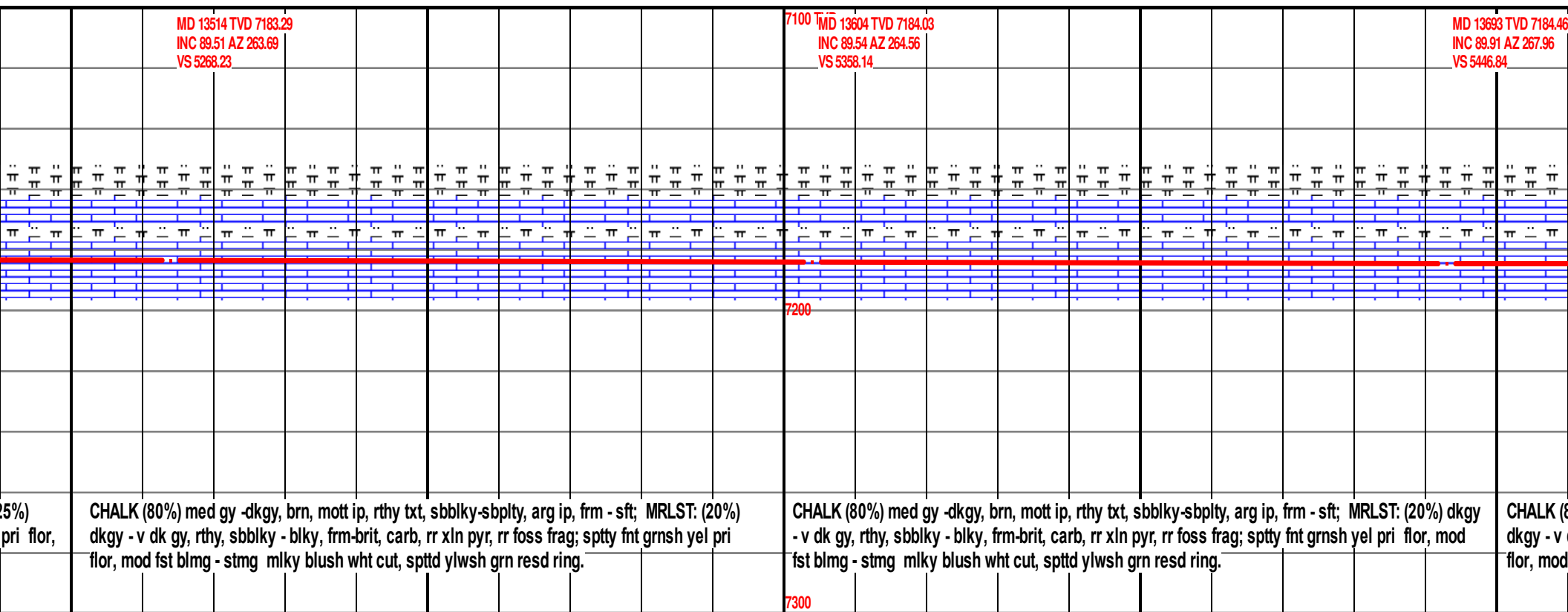
13650

13700

MD 13514 TVD 7183.29  
INC 89.51 AZ 263.69  
VS 5268.23

MD 13604 TVD 7184.03  
INC 89.54 AZ 264.56  
VS 5358.14

MD 13693 TVD 7184.46  
INC 89.91 AZ 267.96  
VS 5446.84

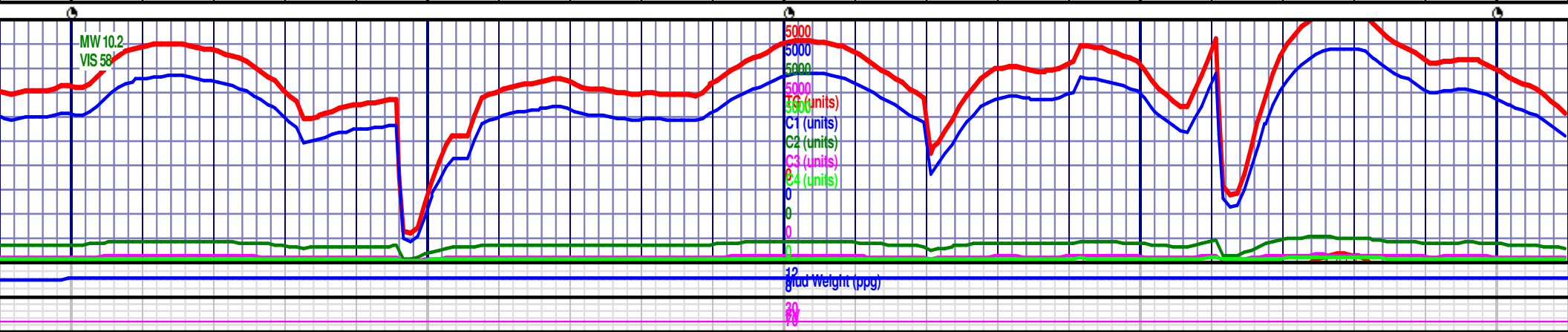


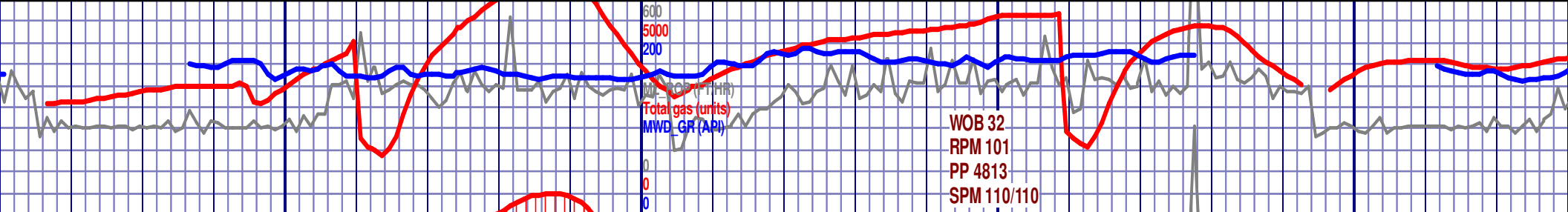
25%)  
pri flr,

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; spty fnt grnsh yel pri flr, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; spty fnt grnsh yel pri flr, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; spty fnt grnsh yel pri flr, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.





13750



13800

13850

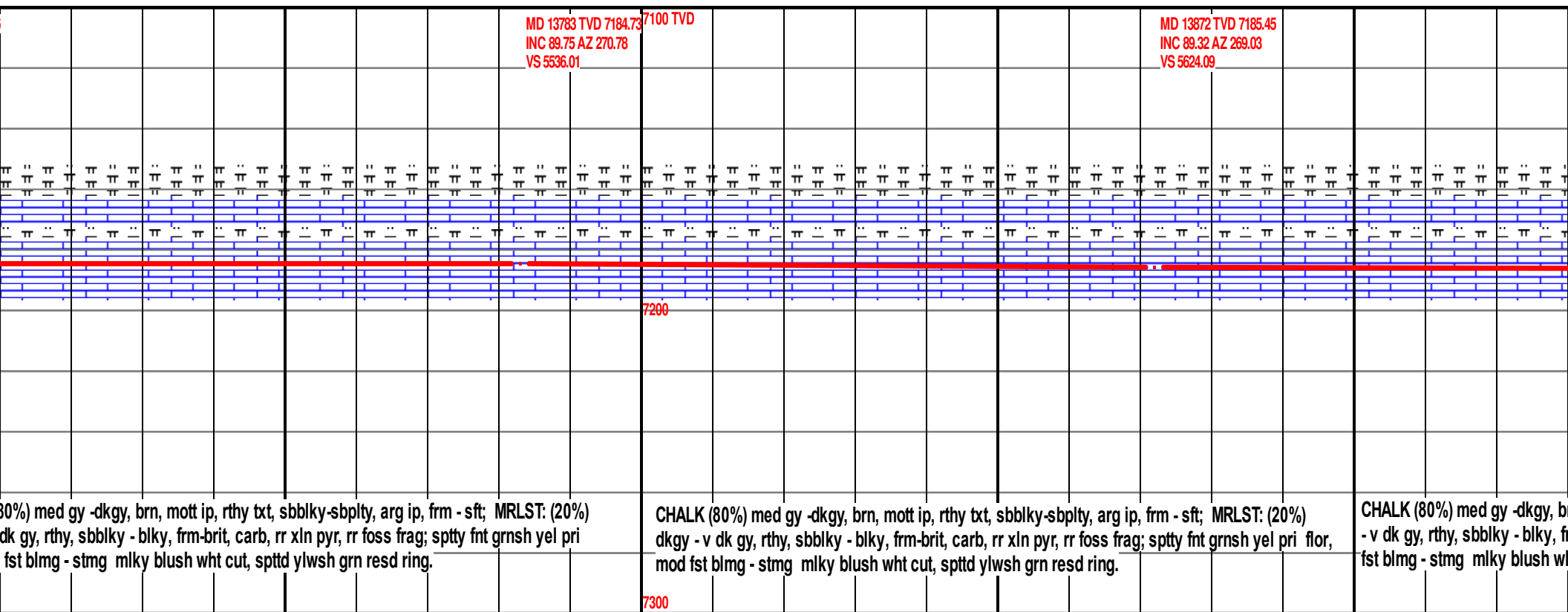


13900

MD 13783 TVD 7184.73  
INC 89.75 AZ 270.78  
VS 5536.01

7100 TVD

MD 13872 TVD 7185.45  
INC 89.32 AZ 269.03  
VS 5624.09



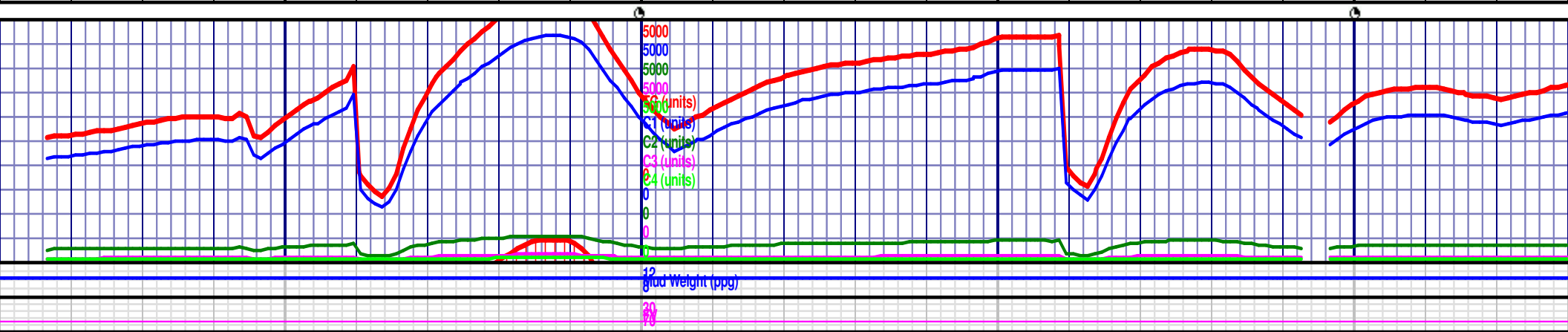
7200

7300

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri  
fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

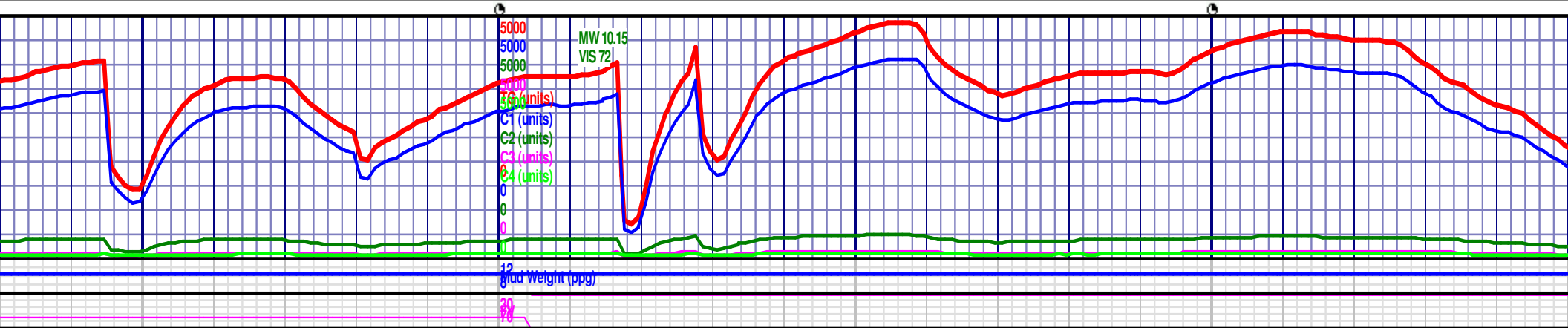
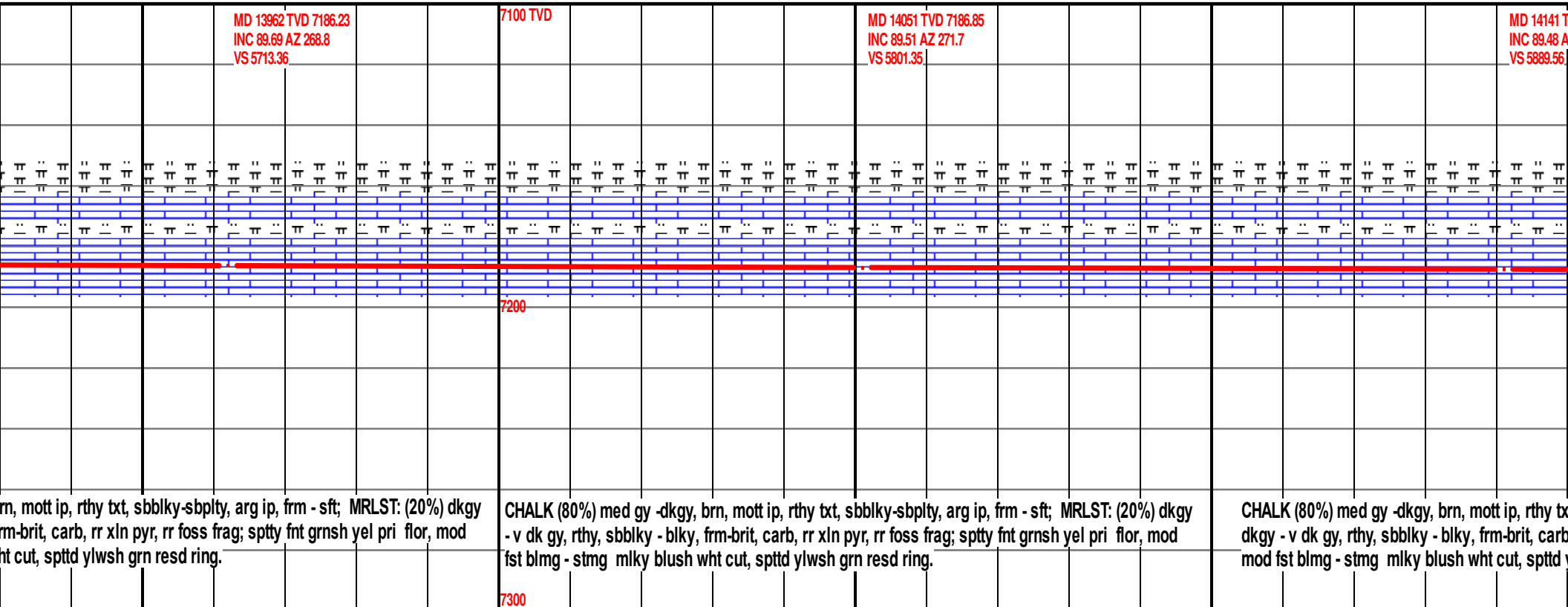
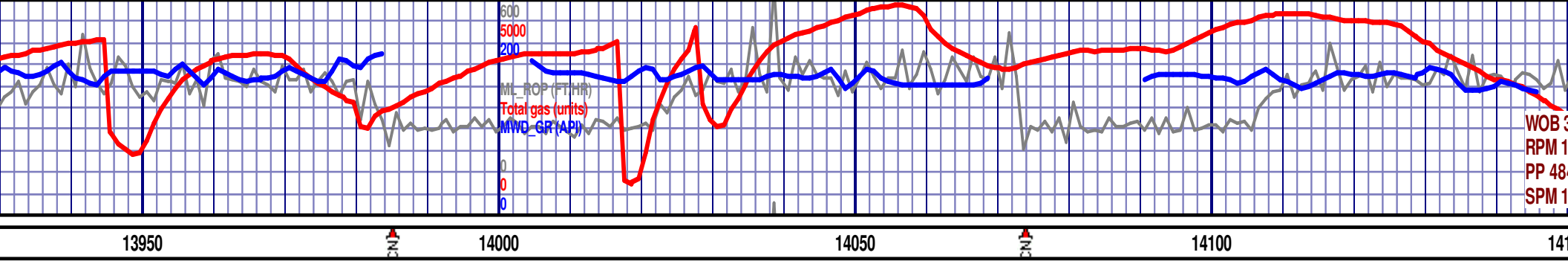
CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri flor,  
mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

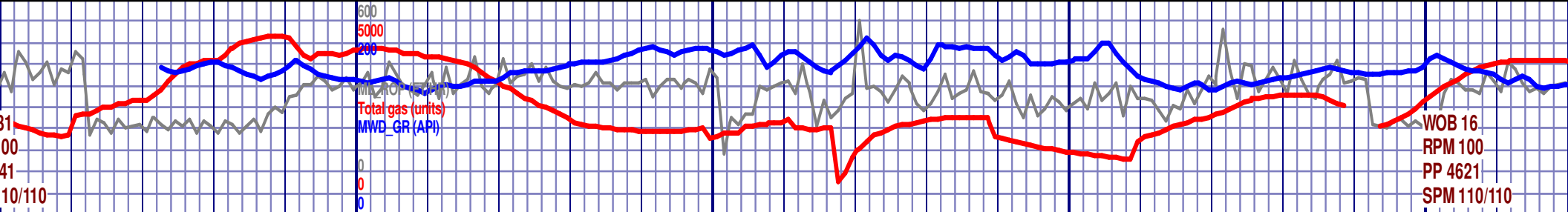
CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%) dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; sptty fnt grnsh yel pri  
fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.



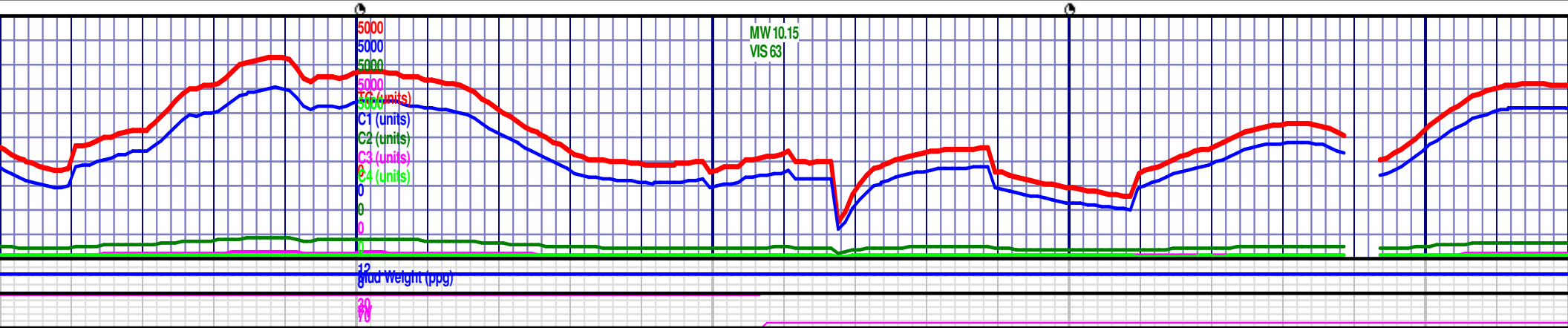
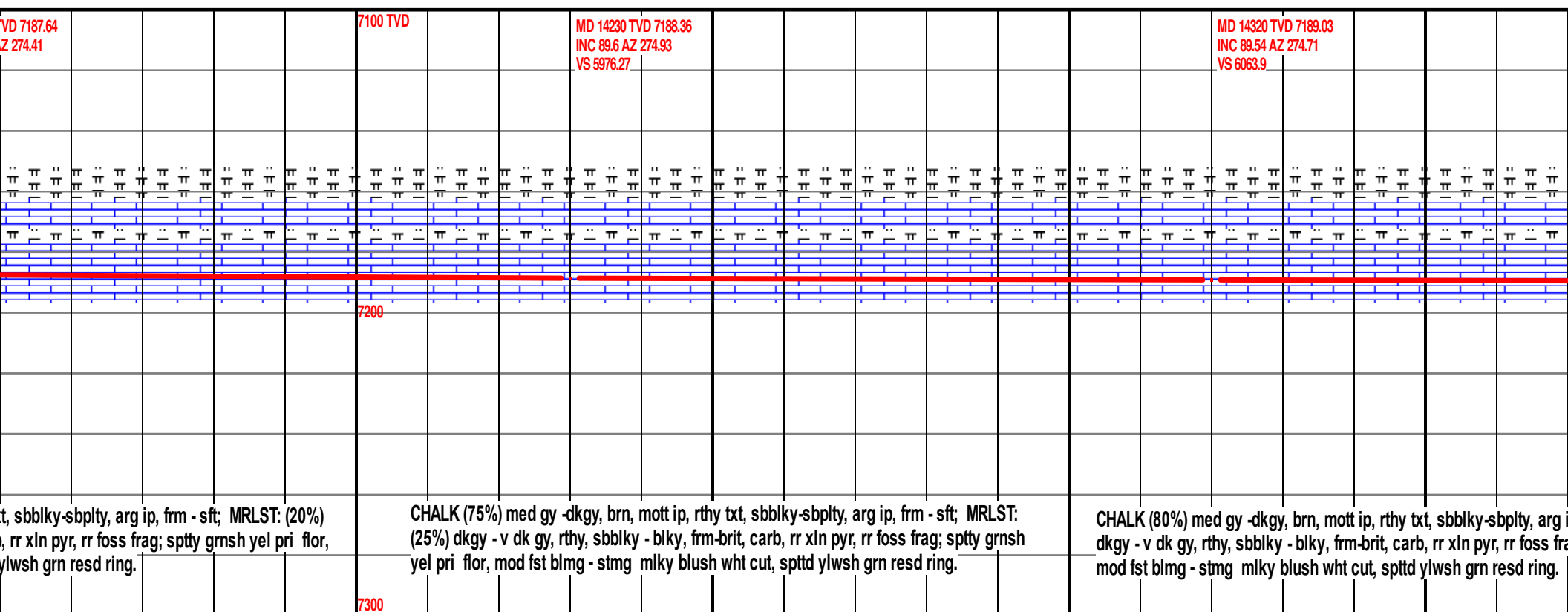
Fluid Weight (ppg)

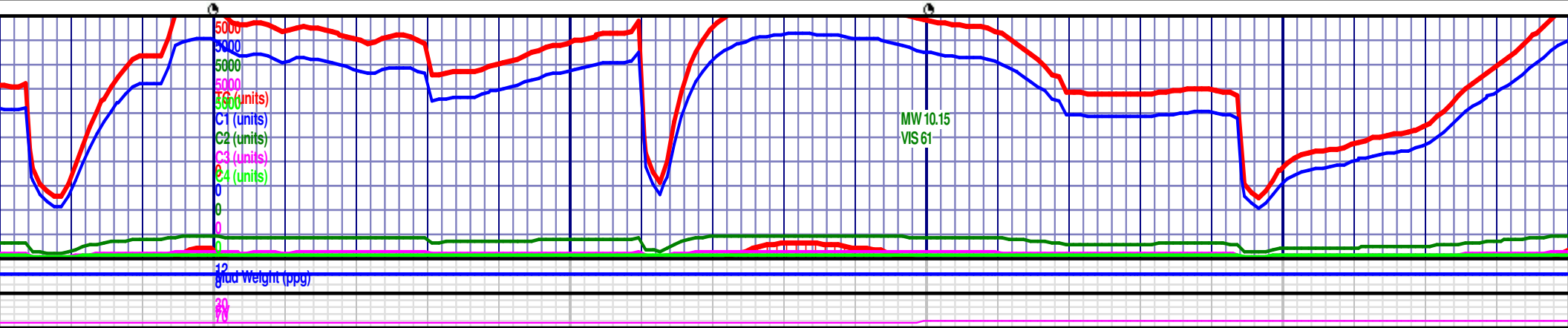
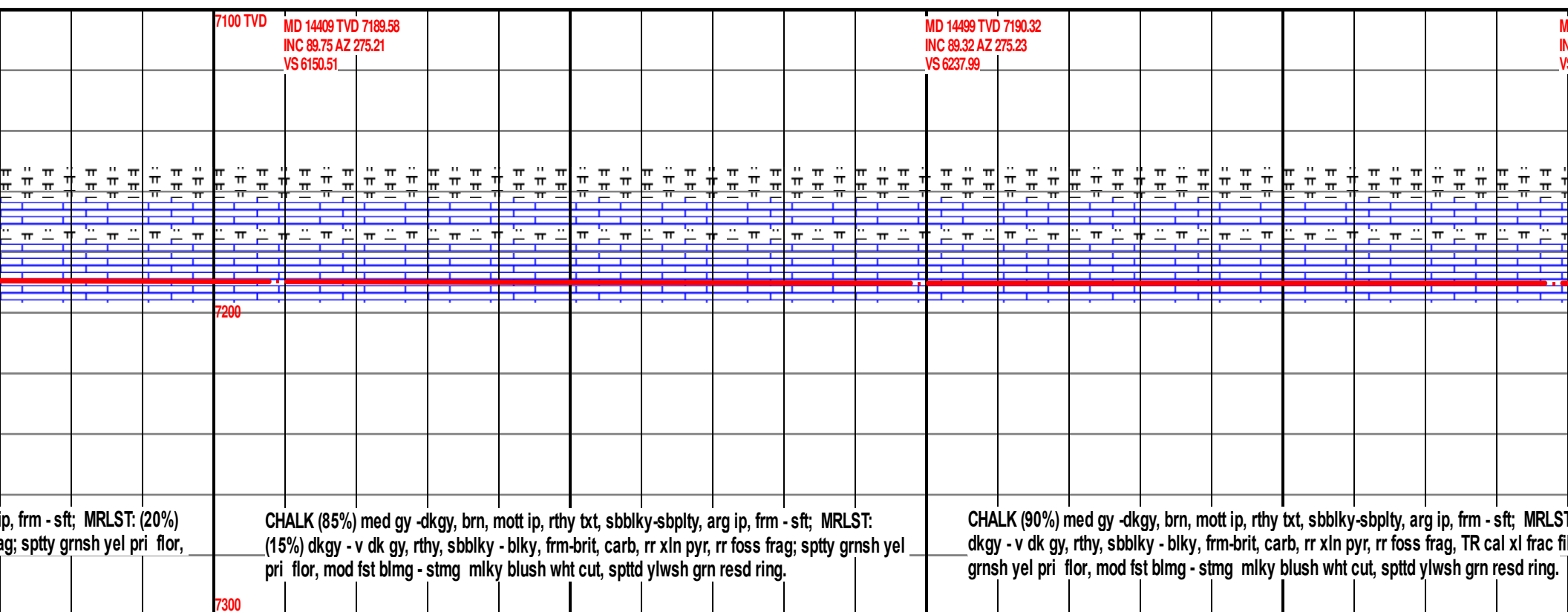
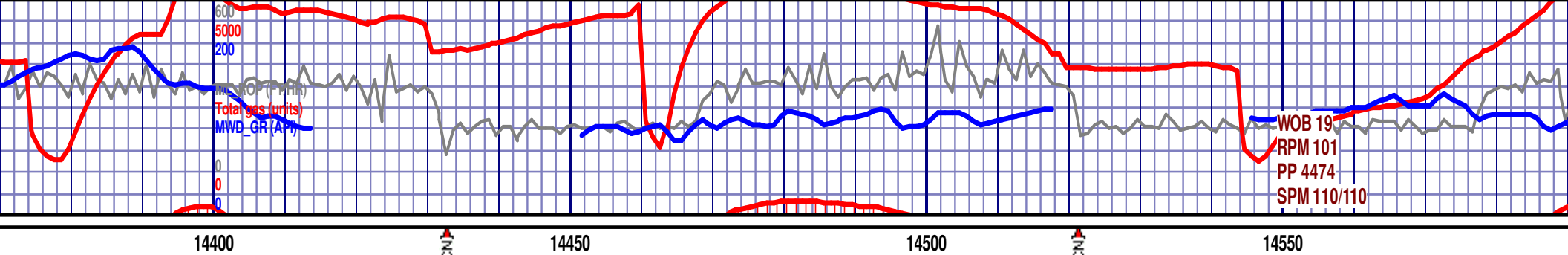
12

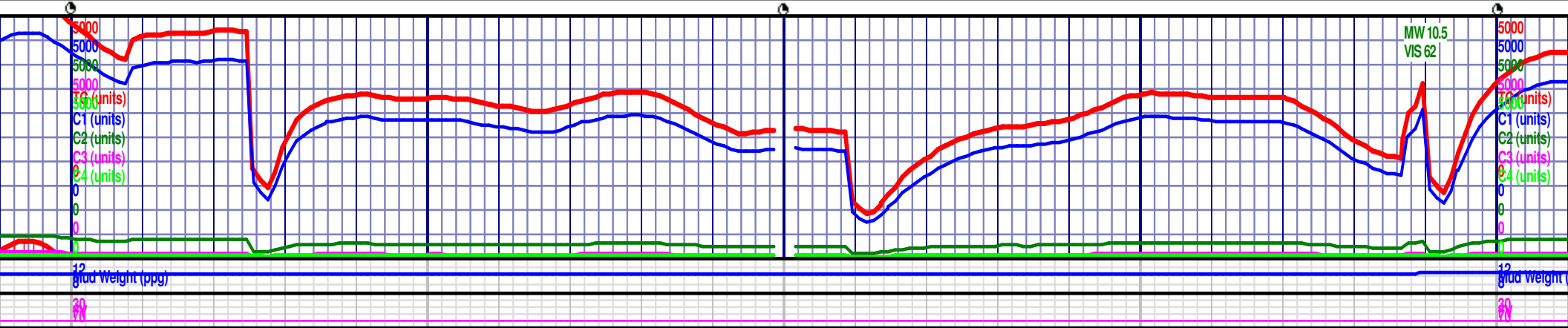
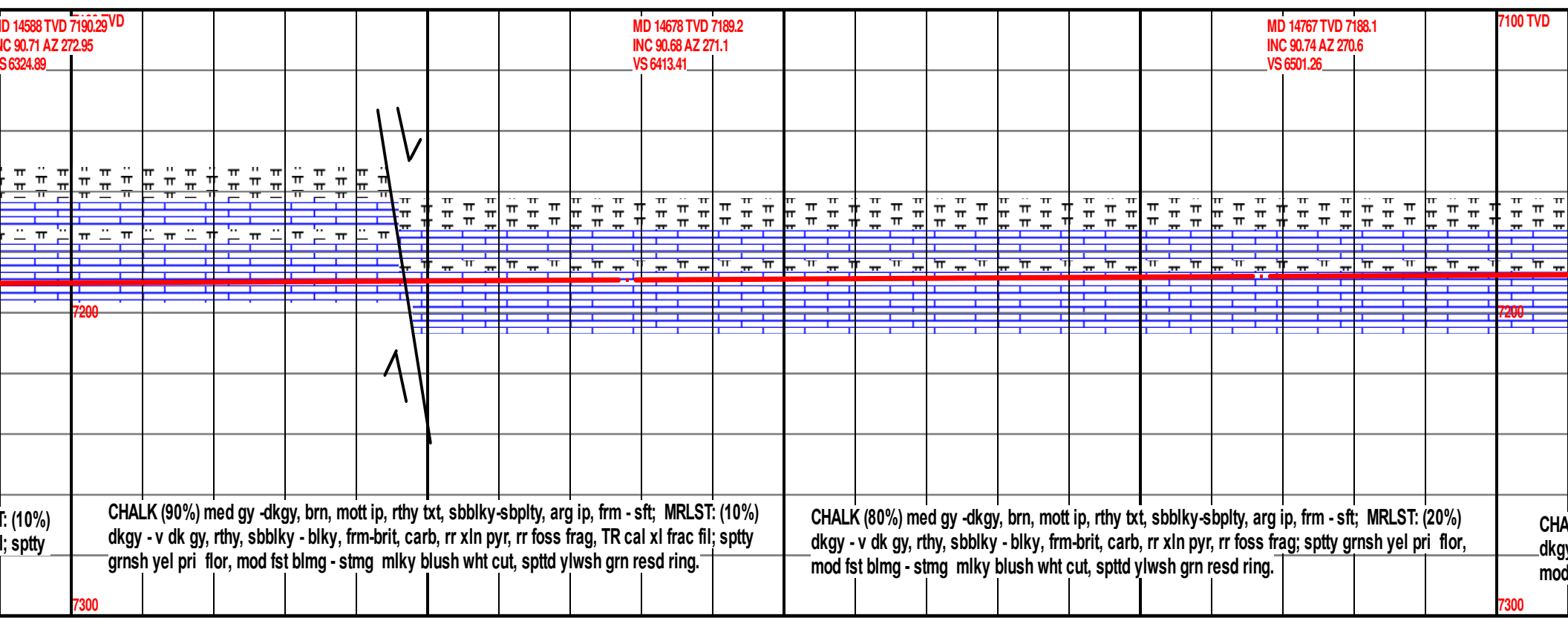
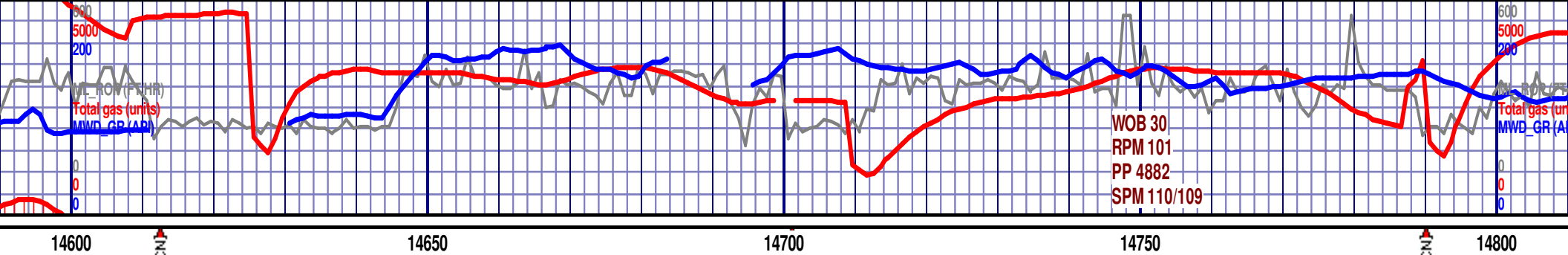




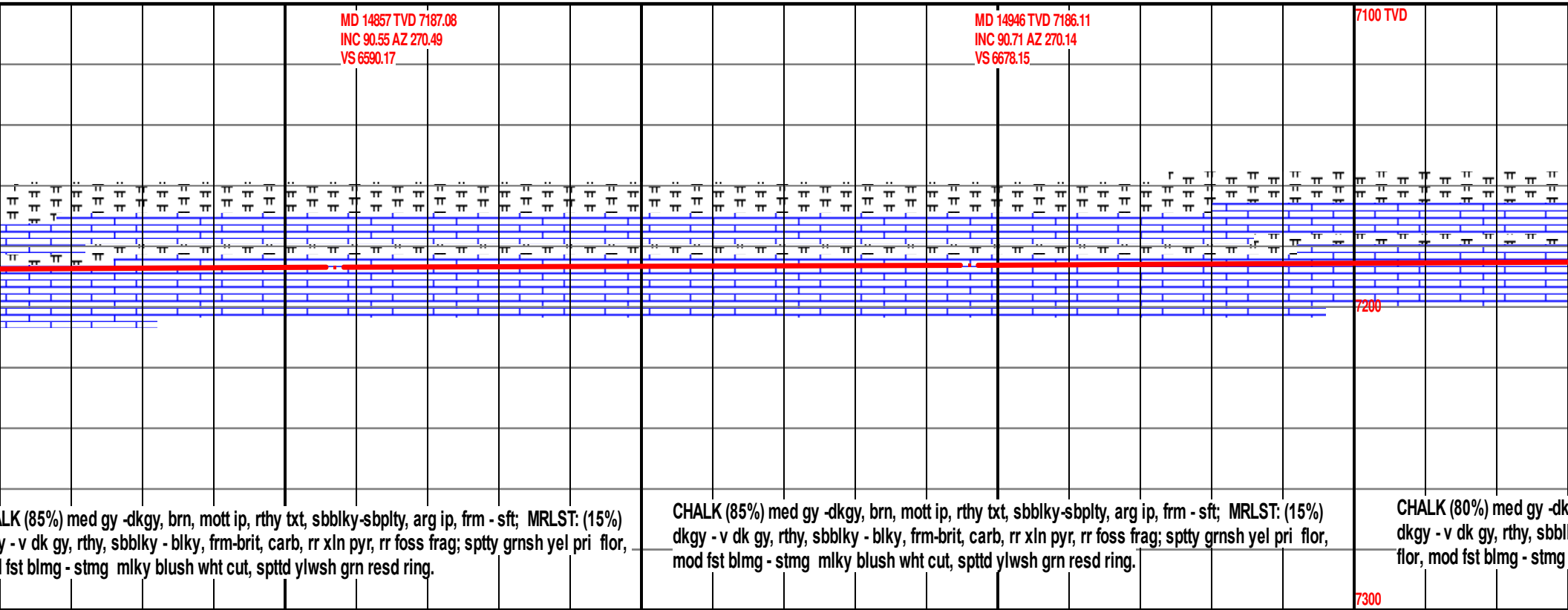
14150 14200 14250 14300 14350

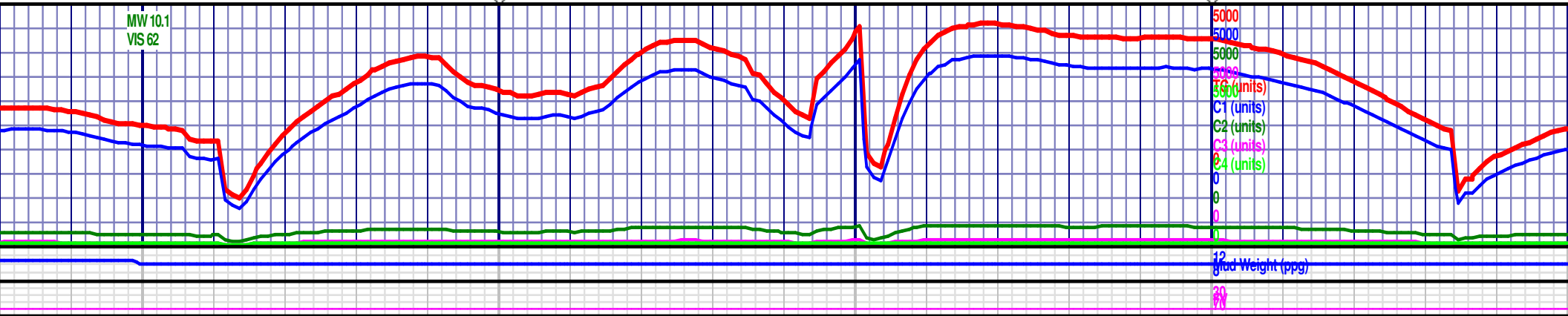
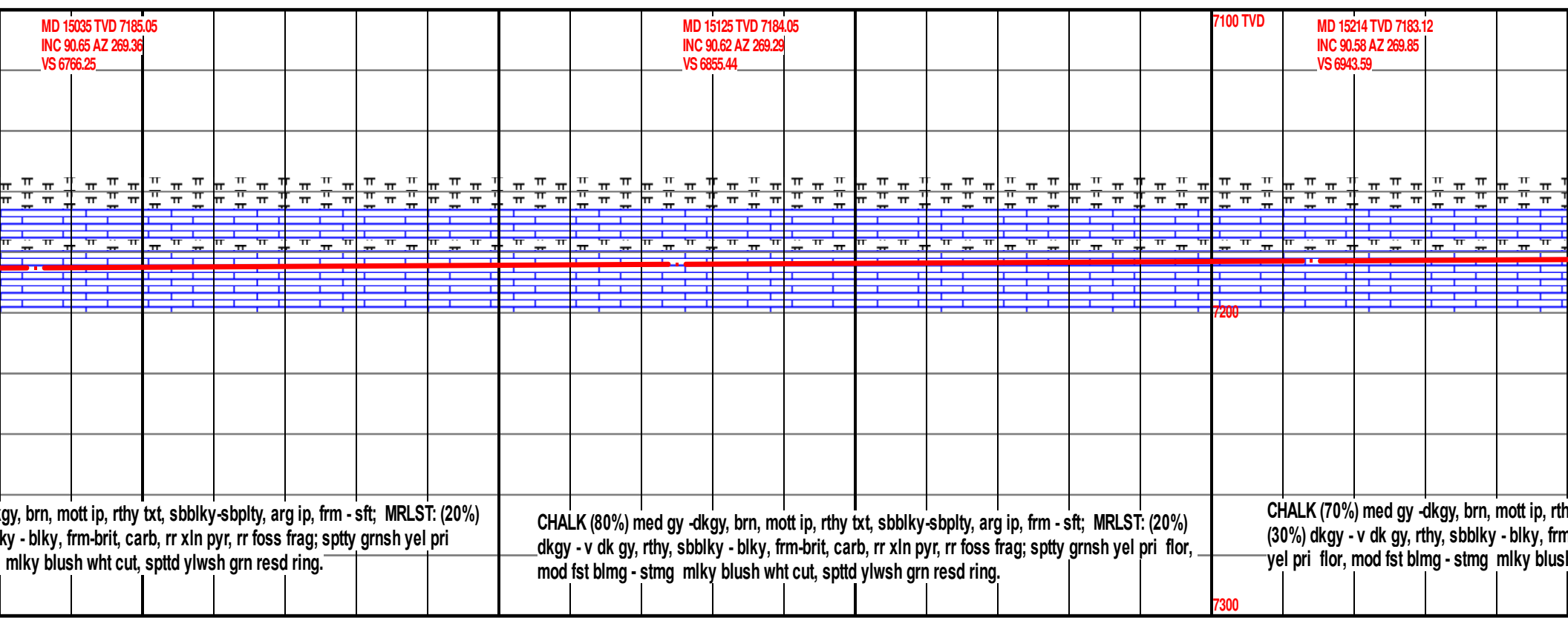
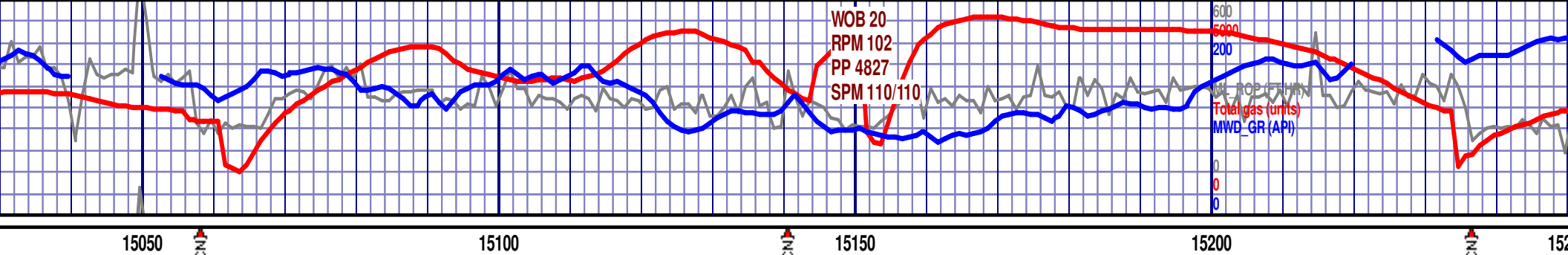


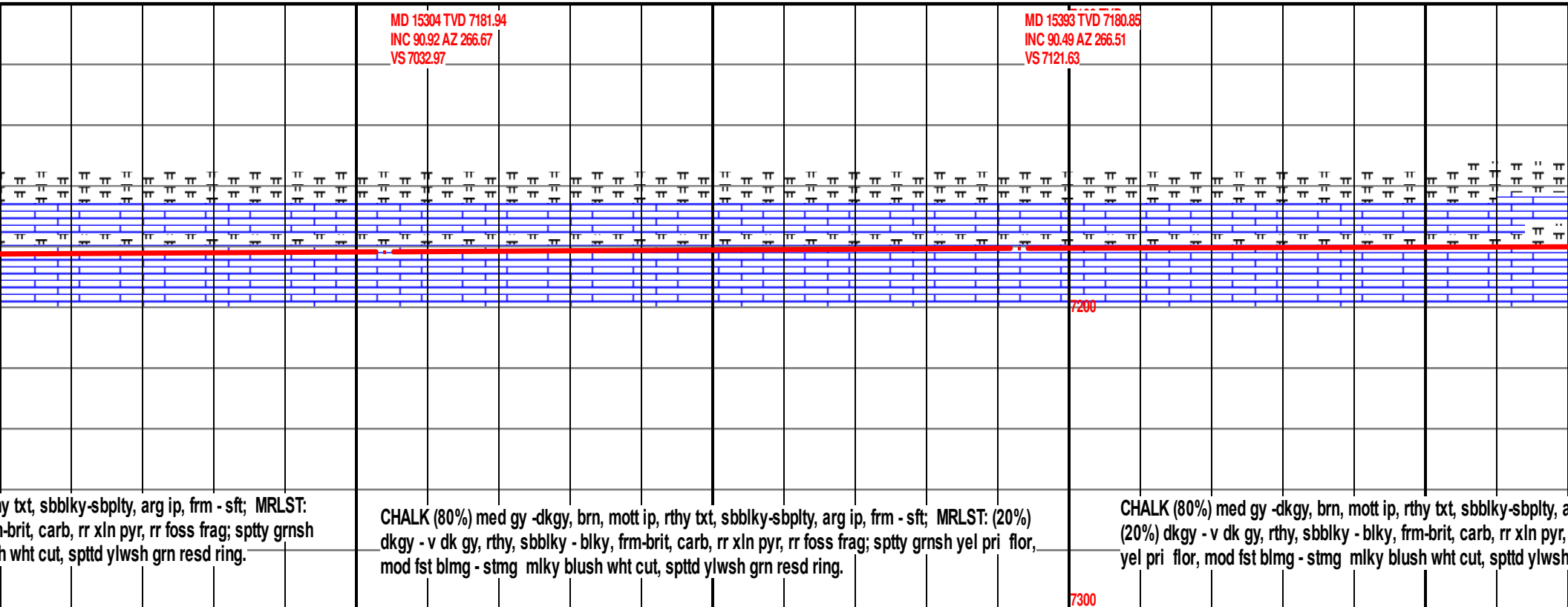
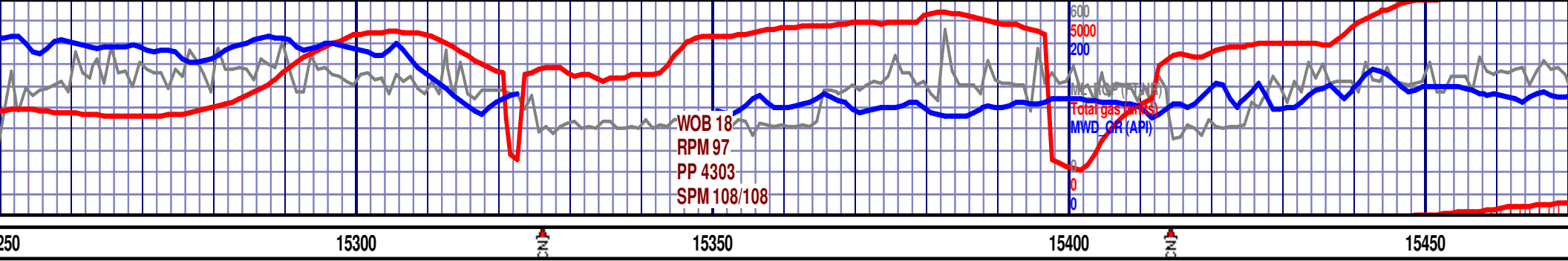








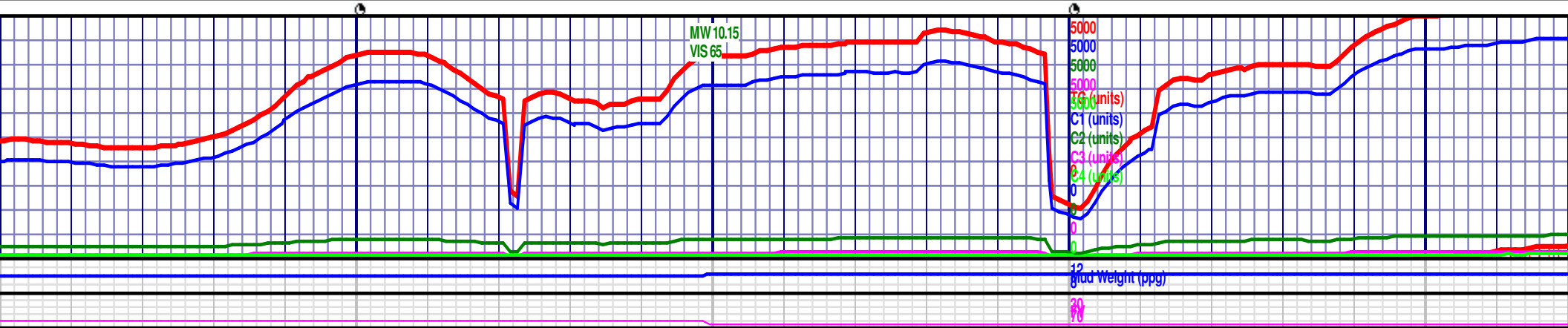




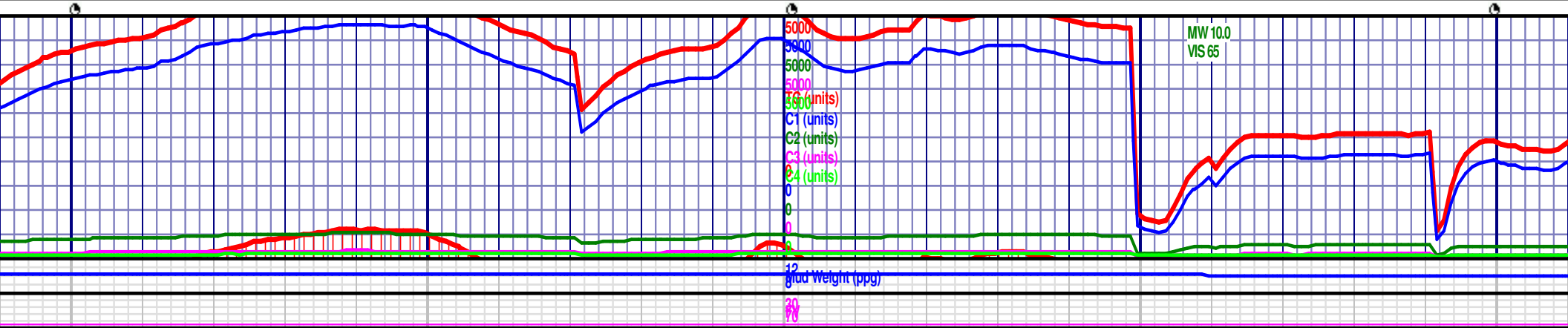
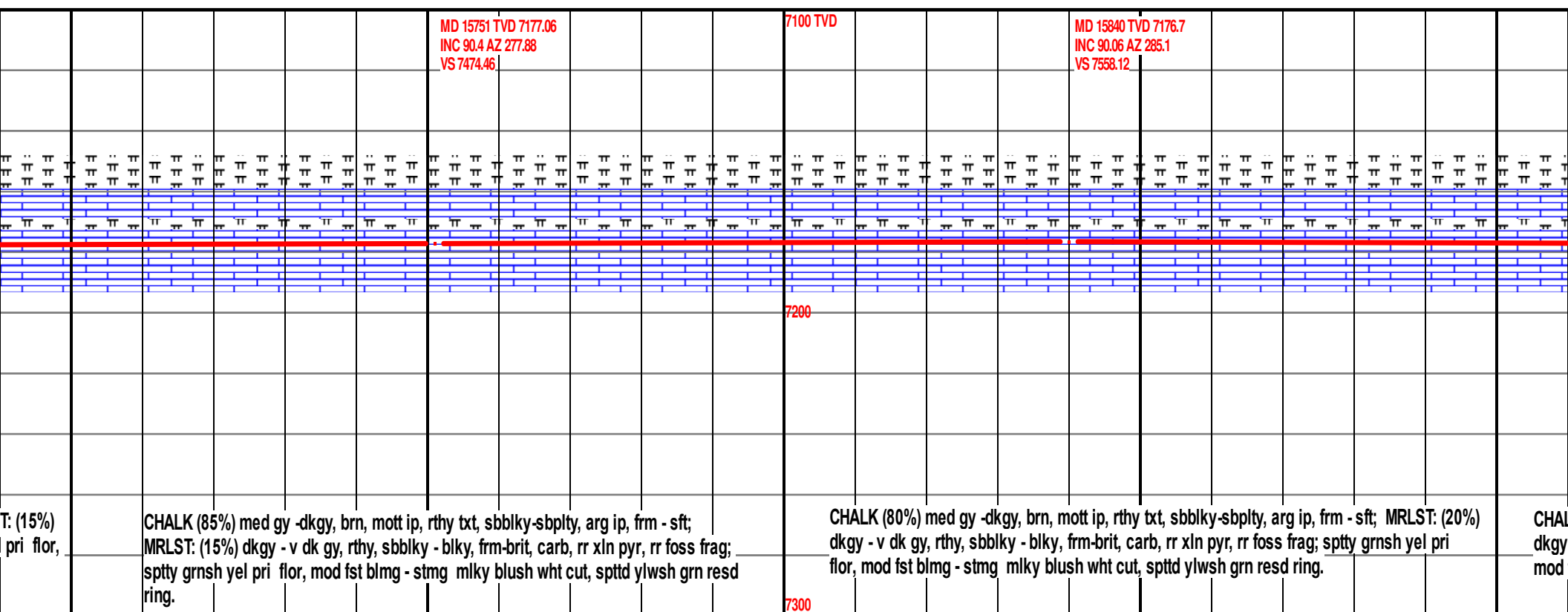
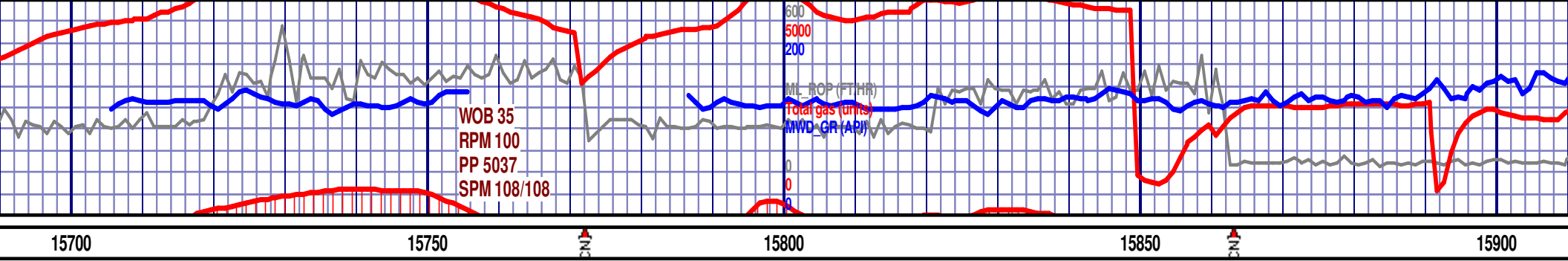
y txt, sbblky-sbplty, arg ip, frm - sft; MRLST:  
n-brit, carb, rr xln pyr, rr foss frag; sptty grnsh  
h wht cut, spttd ylwsh grn resd ring.

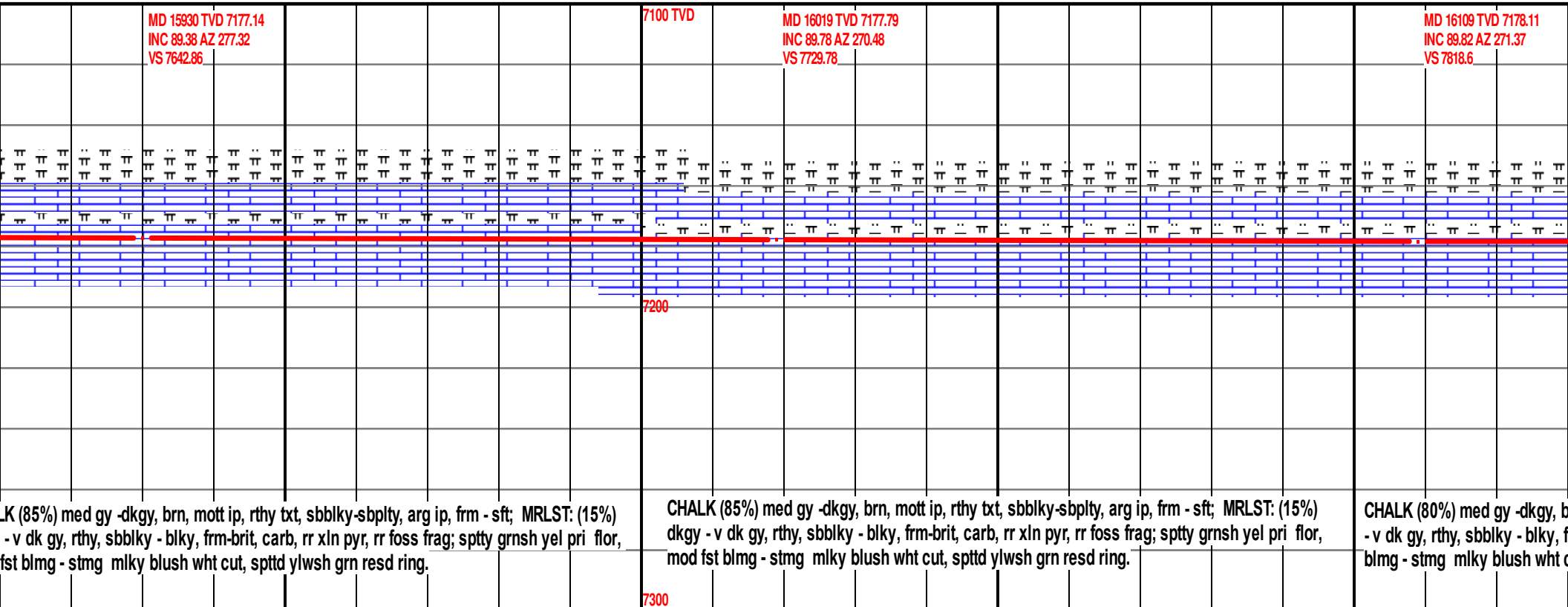
CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (20%)  
dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, carb, rr xln pyr, rr foss frag; sptty grnsh yel pri flor,  
mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

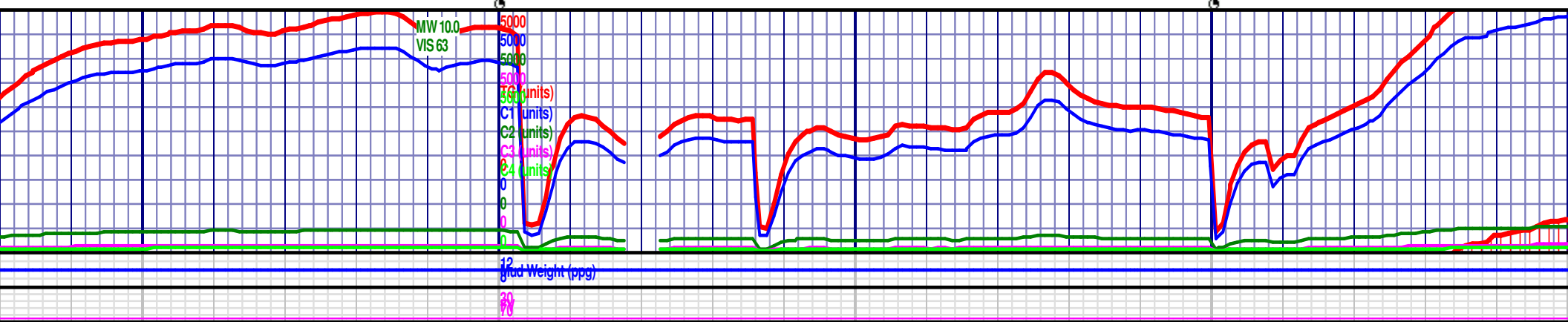
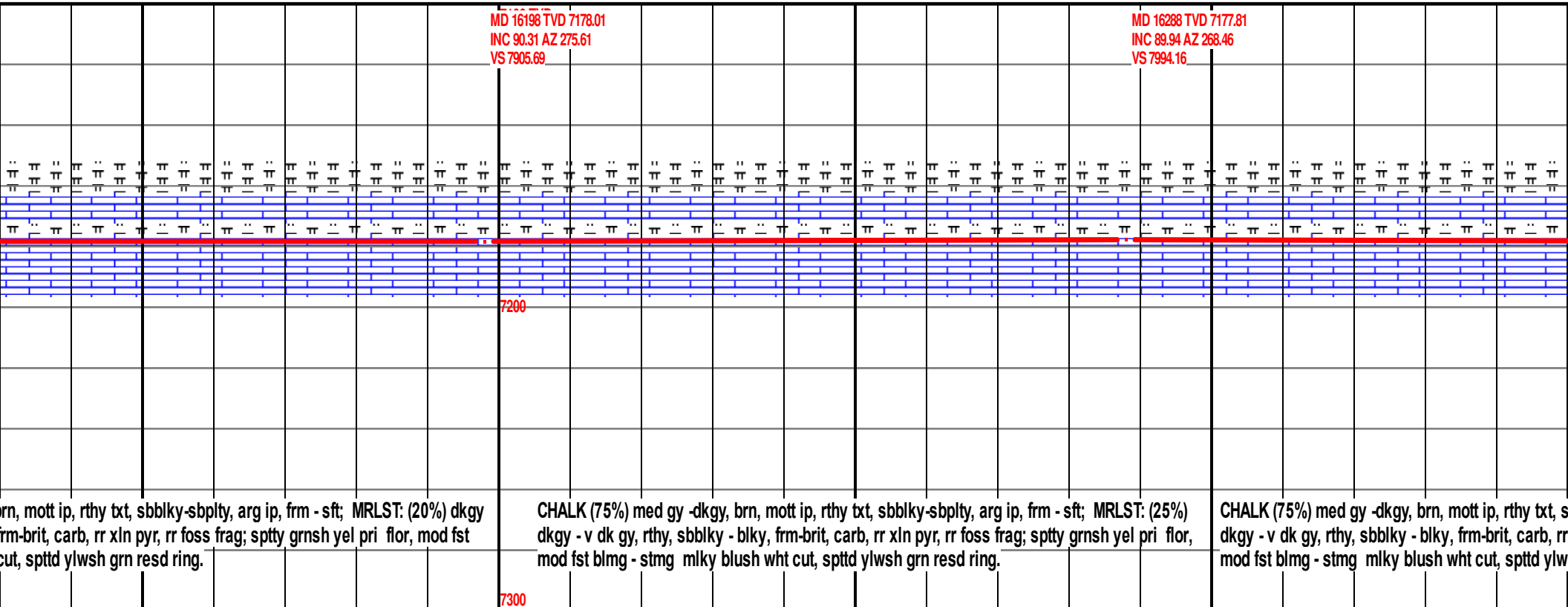
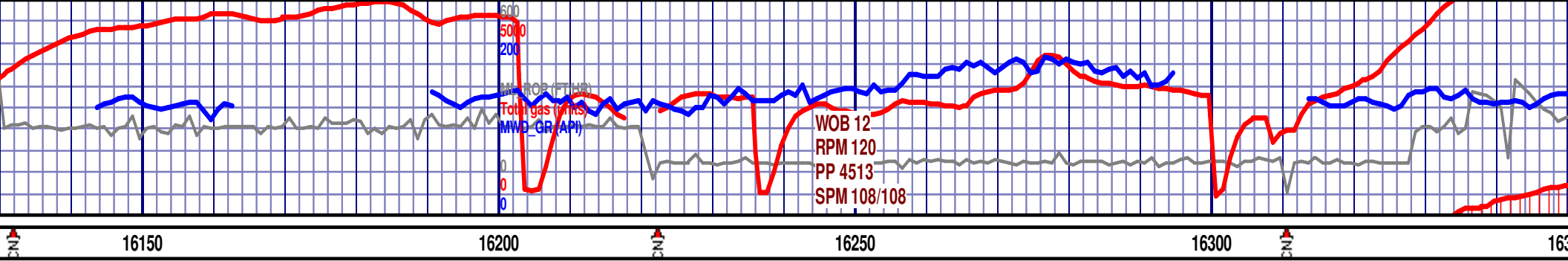
CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, a  
(20%) dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, carb, rr xln pyr,  
yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh

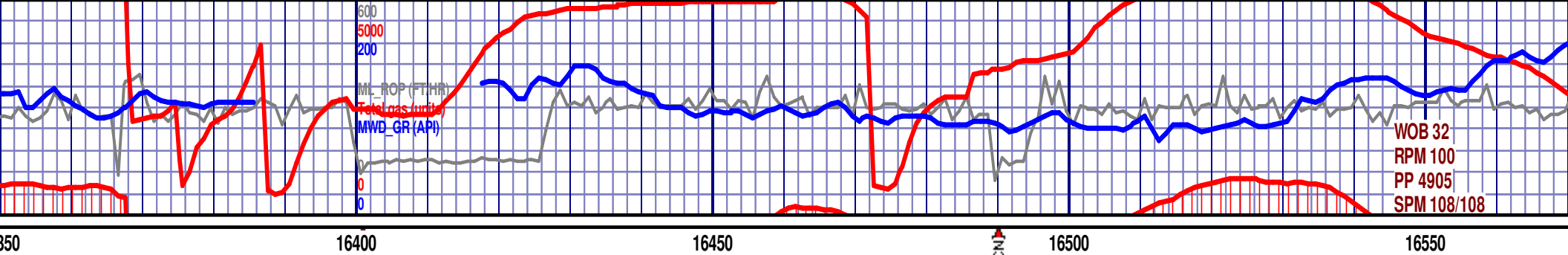




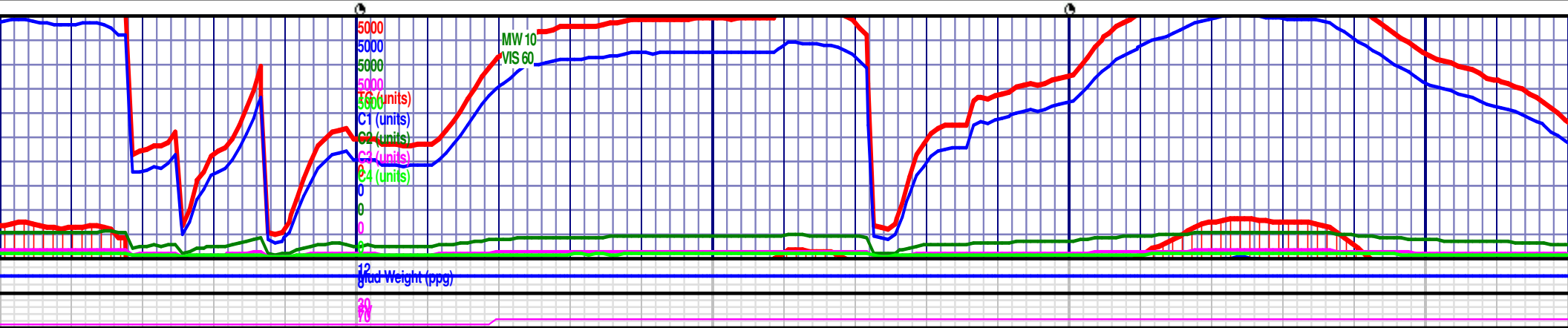




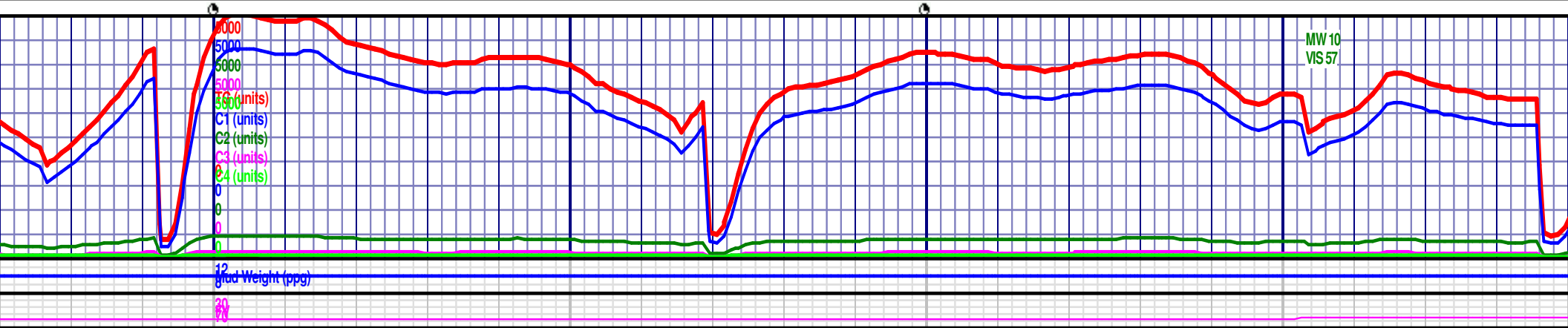
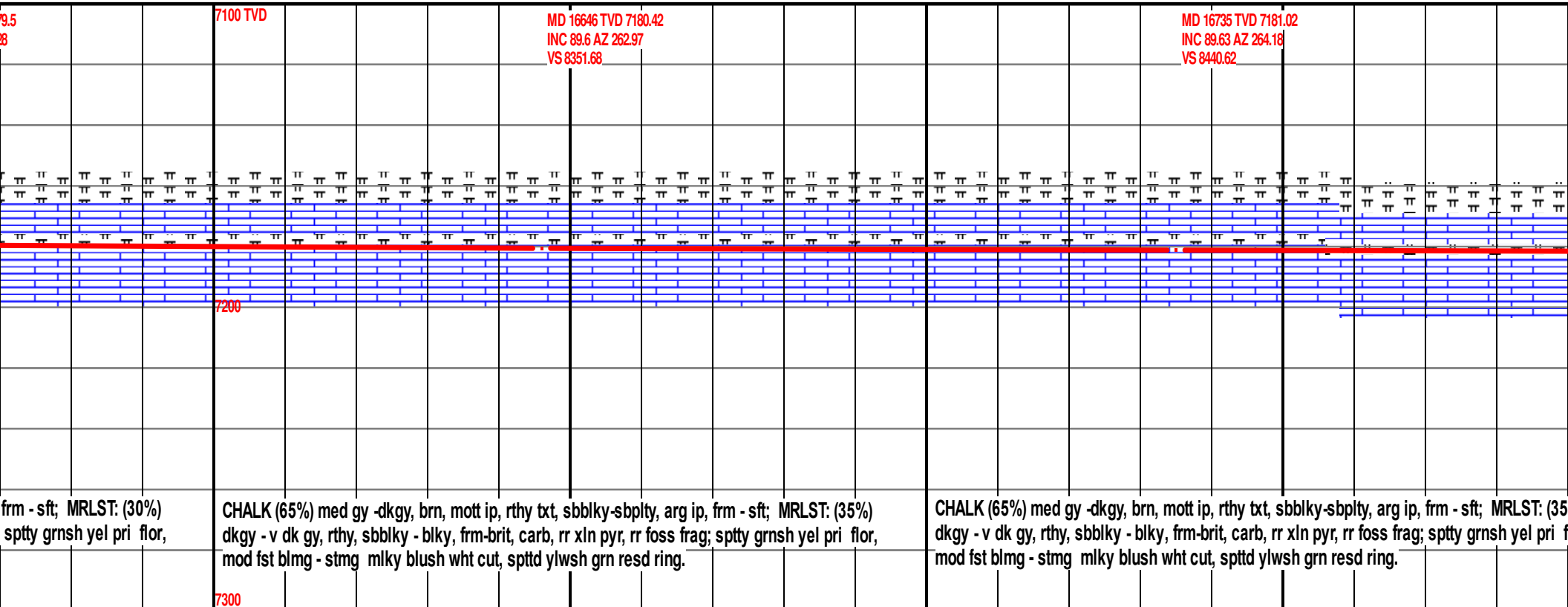
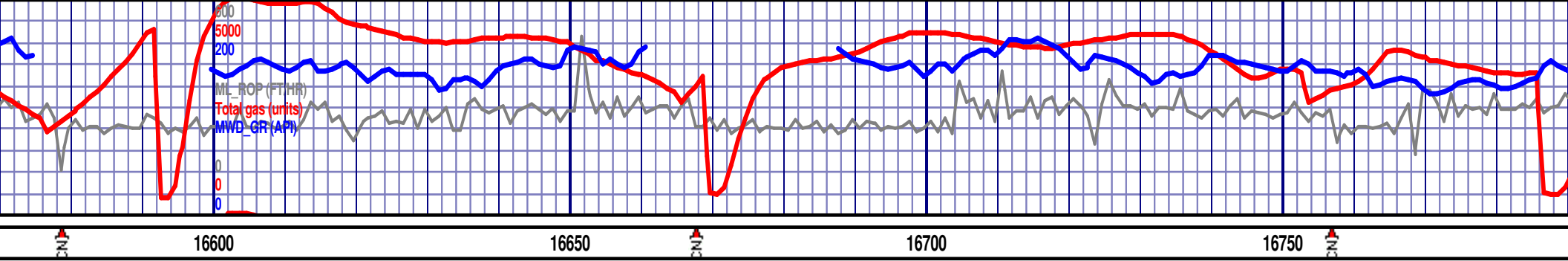


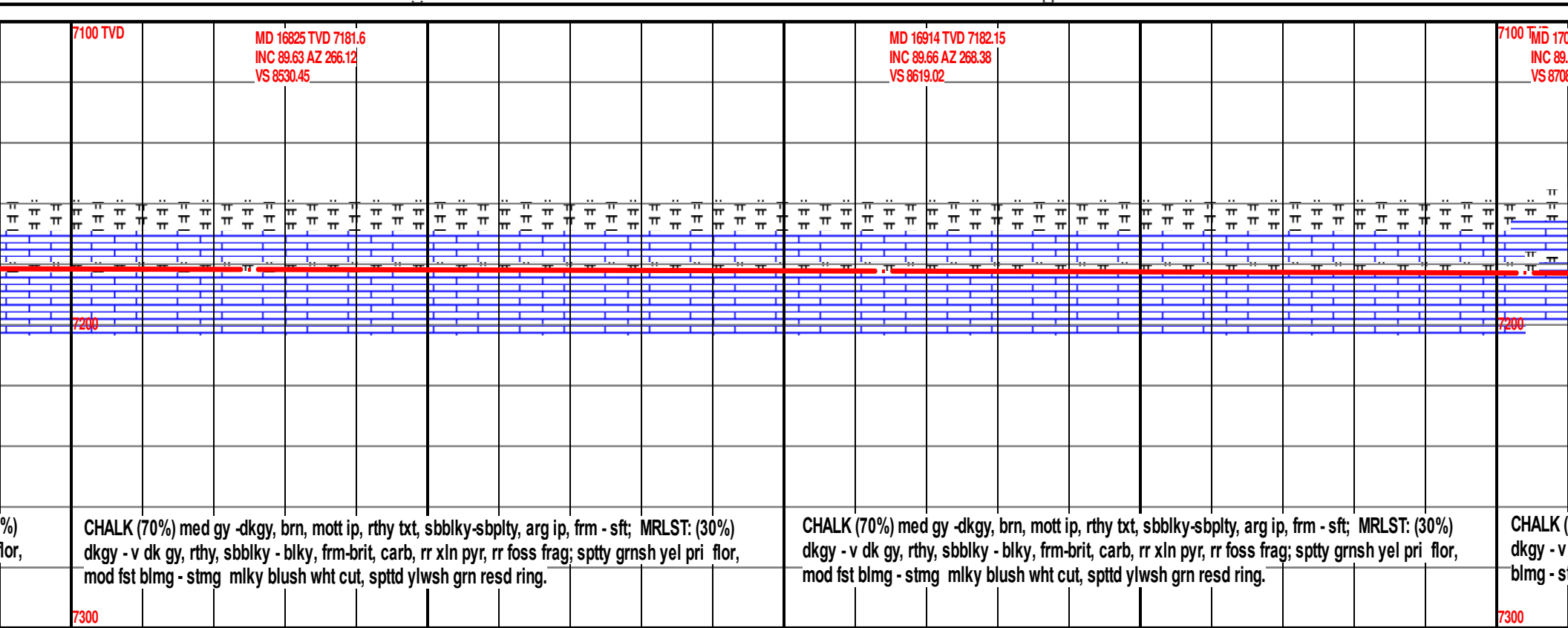


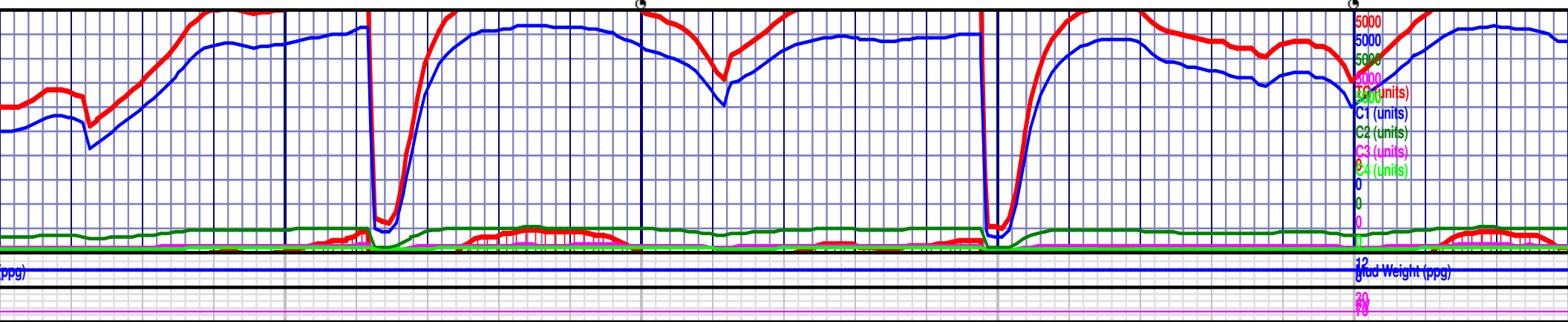
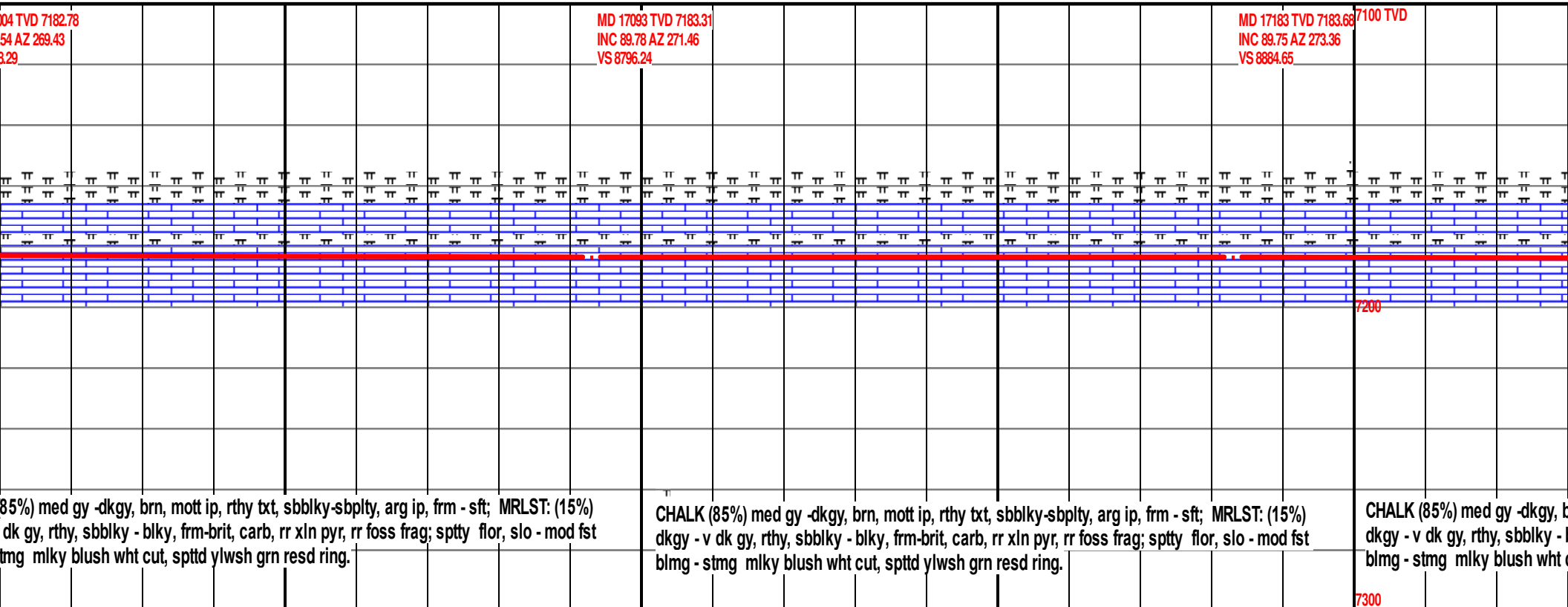
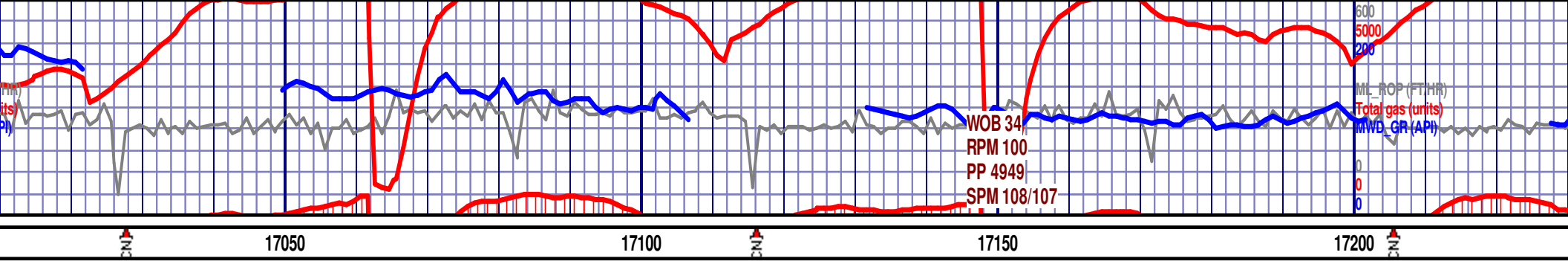
<p>MD 16377 TVD 7178.24 INC 89.51 AZ 264.45 VS 8082.82</p> <p>7100 TVD</p> <p>bbblky-sbplty, arg ip, frm - sft; MRLST: (25%) xln pyr, rr foss frag; sptty grnsh yel pri flor, sh grn resd ring.</p>	<p>MD 16467 TVD 7178.76 INC 89.82 AZ 263.34 VS 8172.75</p> <p>7200</p> <p>CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (25%) dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, carb, rr xln pyr, rr foss frag; sptty grnsh yel pri flor, mod fst blmg - stmg milky blush wht cut, spttd ylwsh grn resd ring.</p>	<p>MD 16556 TVD 7178.76 INC 89.23 AZ 263.2 VS 8261.71</p> <p>7300</p> <p>CHALK (70%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, carb, rr xln pyr, rr foss frag; mod fst blmg - stmg milky blush wht cut, spttd ylwsh grn resd ring.</p>
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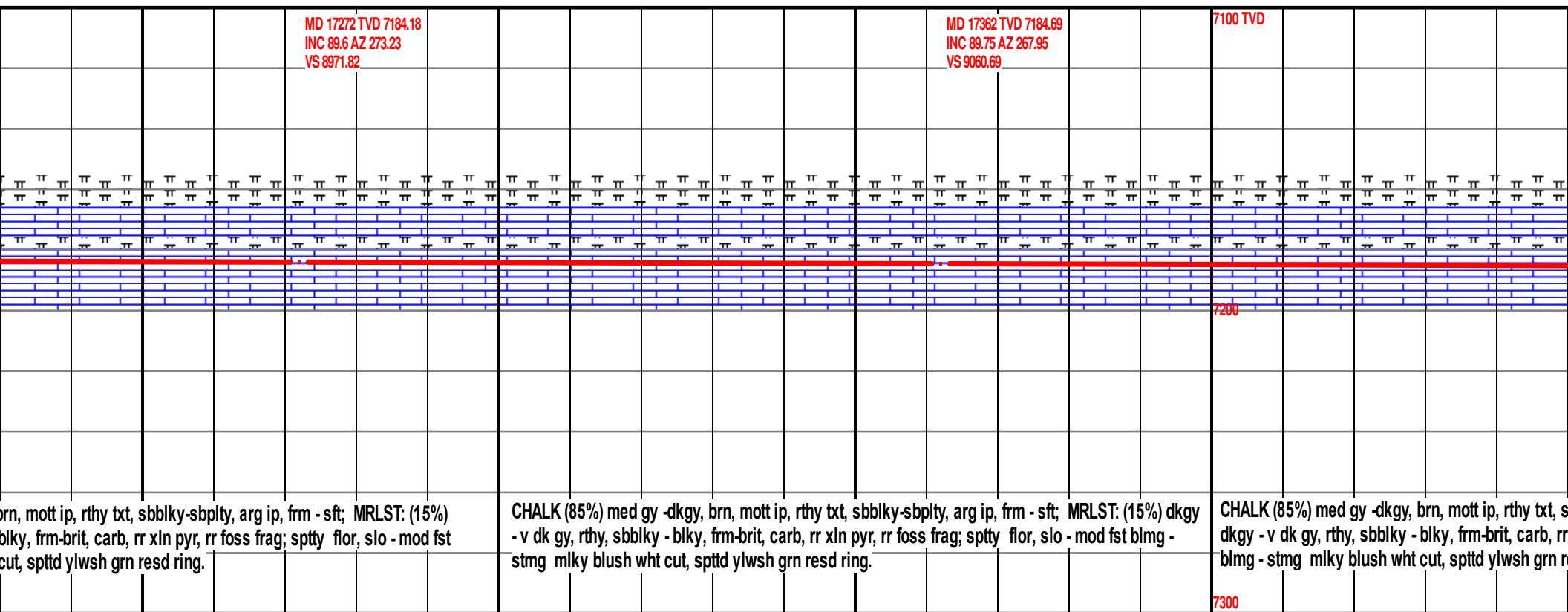


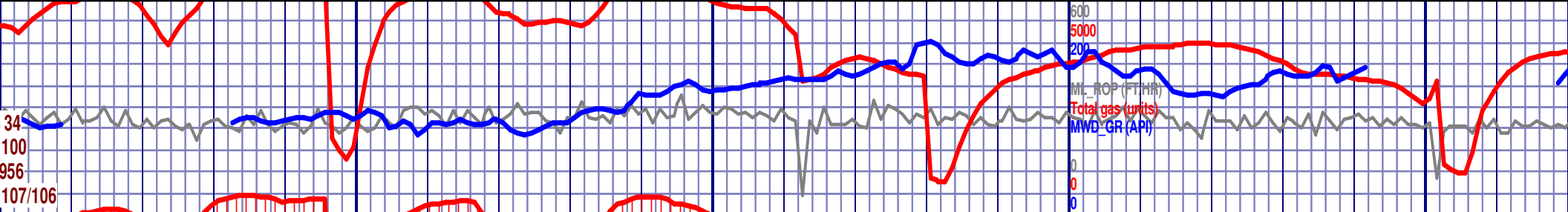




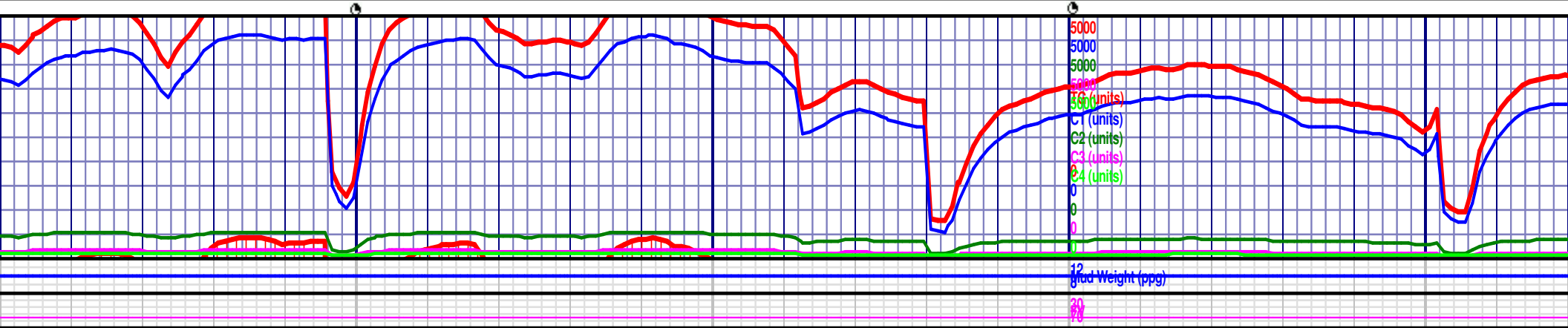
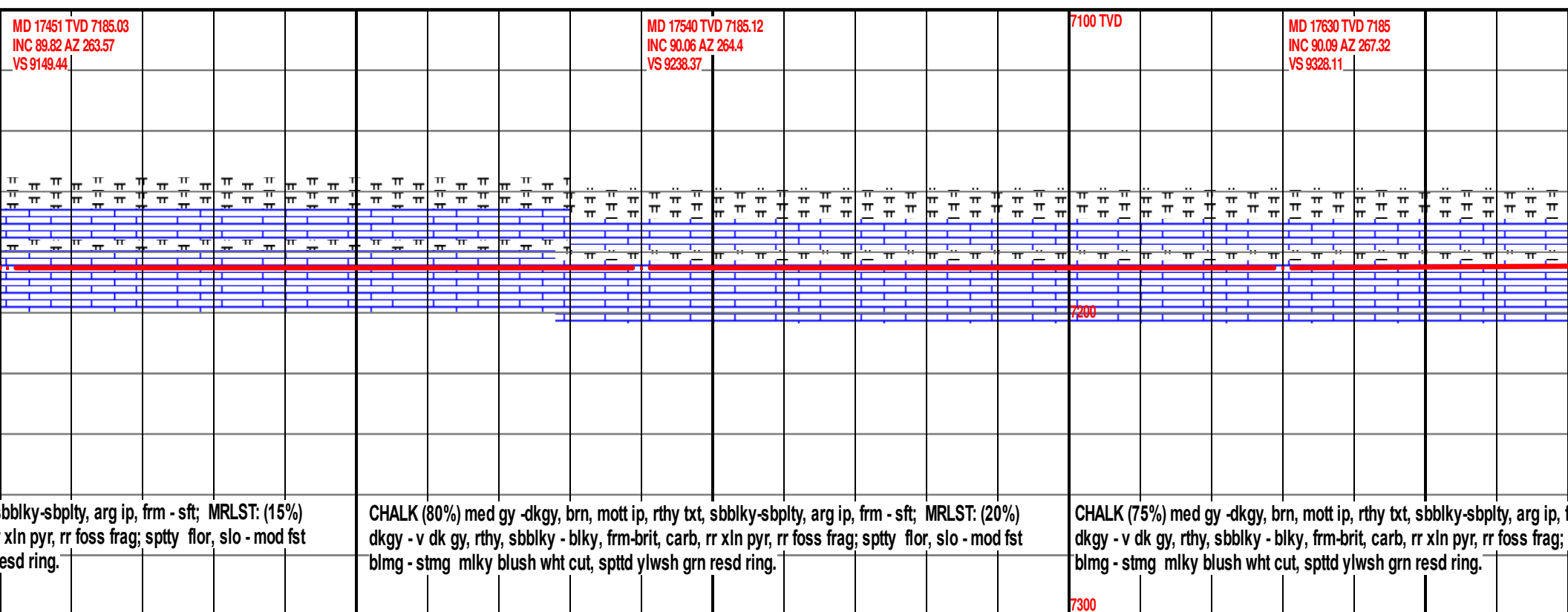


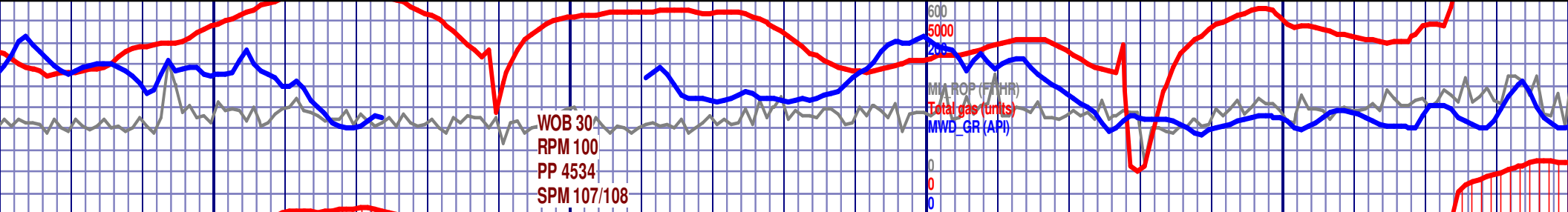






1750 17500 17550 17600 17650





17700

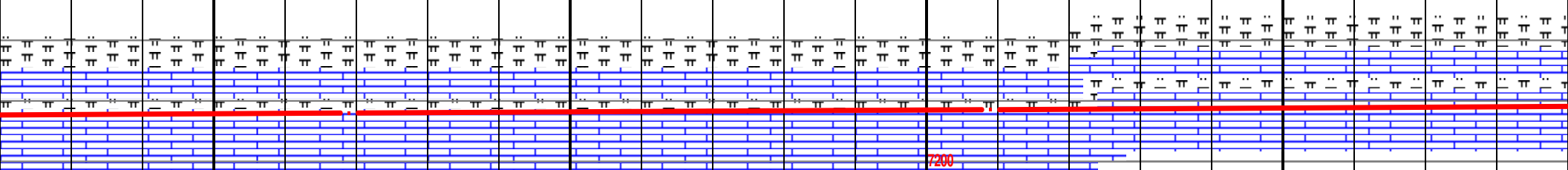
17750

17800

17850

MD 17719 TVD 7184.17  
INC 90.98 AZ 269.11  
VS 9416.52

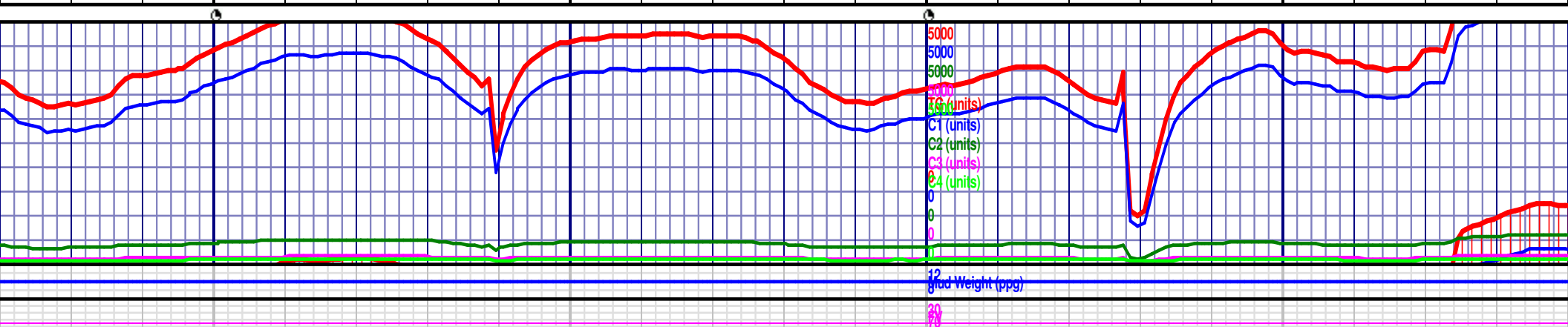
7100 TVD MD 17809 TVD 7182.84  
INC 90.71 AZ 269.79  
VS 9505.68

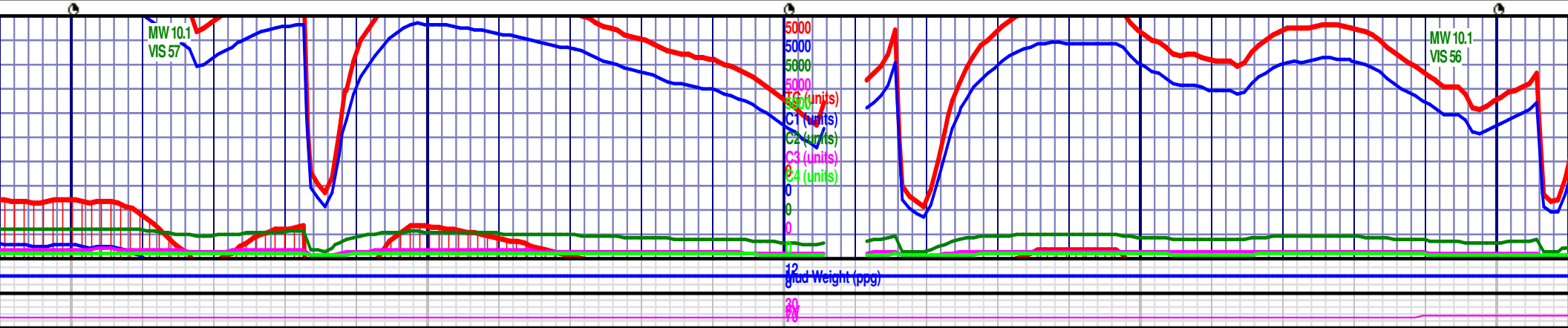
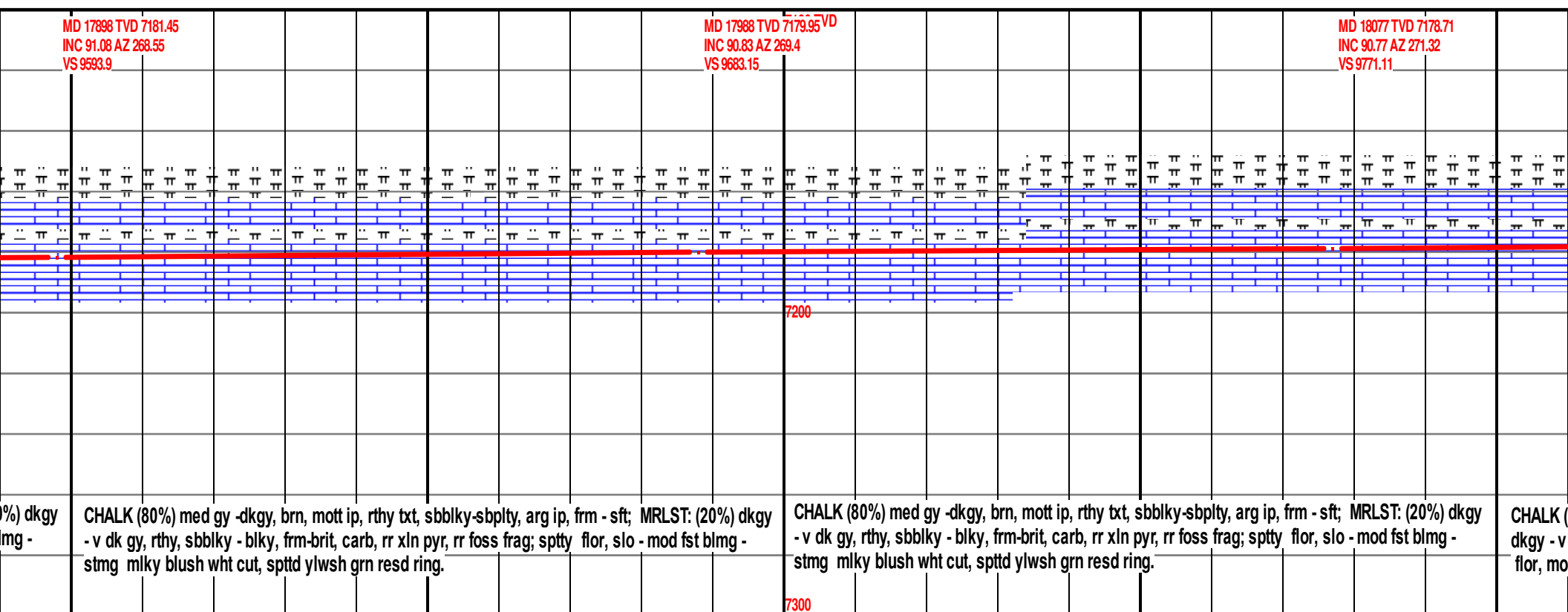
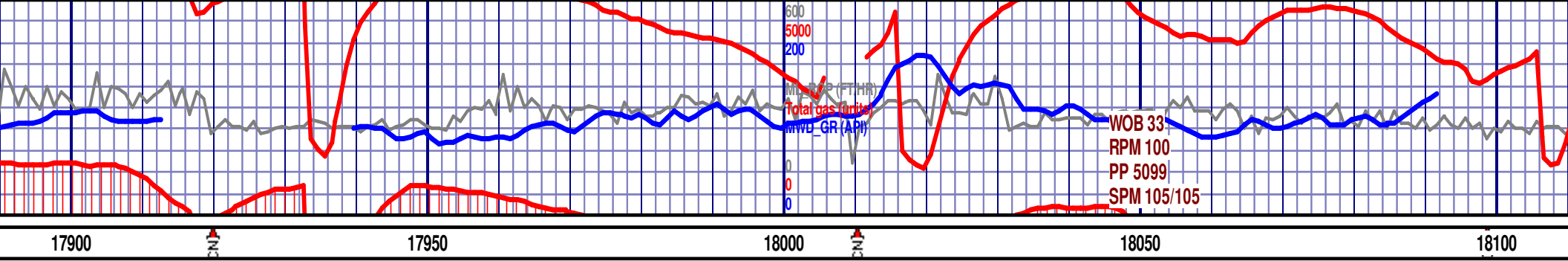


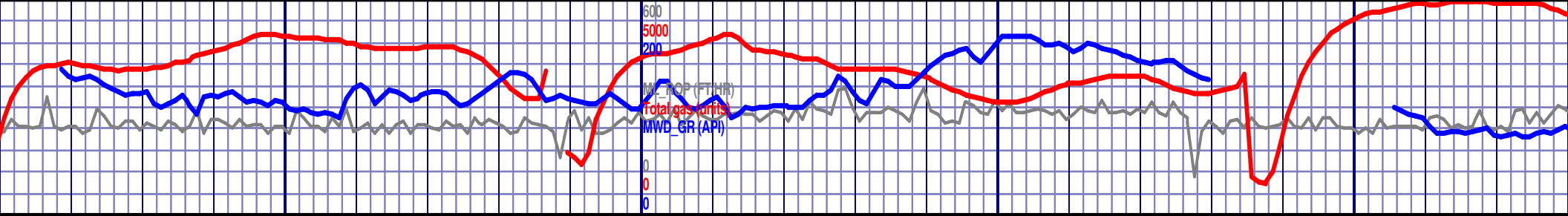
frm - sft; MRLST: (25%)  
spty flor, slo - mod fst

CHALK (75%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (25%)  
dkgy - v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; spty flor, slo - mod fst  
blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply, arg ip, frm - sft; MRLST: (20%)  
- v dk gy, rthy, sbblky - blk, frm-brit, carb, rr xln pyr, rr foss frag; spty flor, slo - mod fst  
stmg mlky blush wht cut, spttd ylwsh grn resd ring.







18150



18200

18250

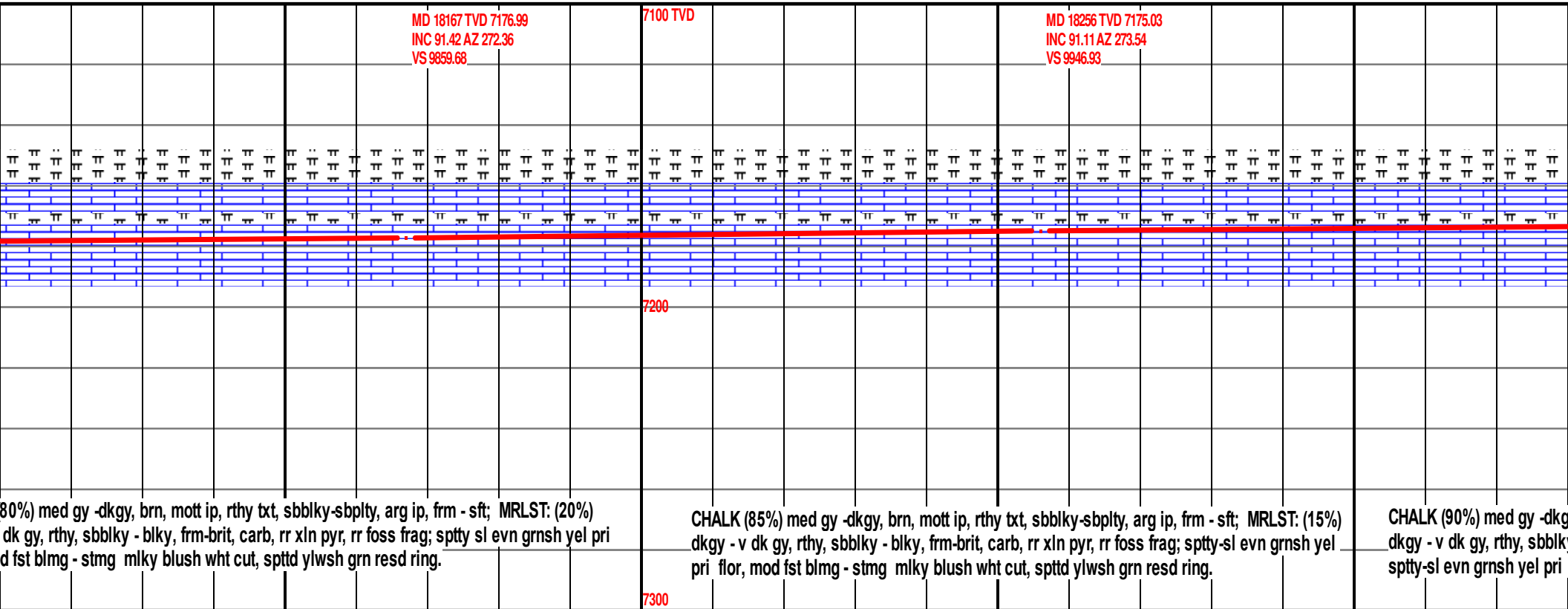


18300

MD 18167 TVD 7176.99  
INC 91.42 AZ 272.36  
VS 9859.68

7100 TVD

MD 18256 TVD 7175.03  
INC 91.11 AZ 273.54  
VS 9946.93



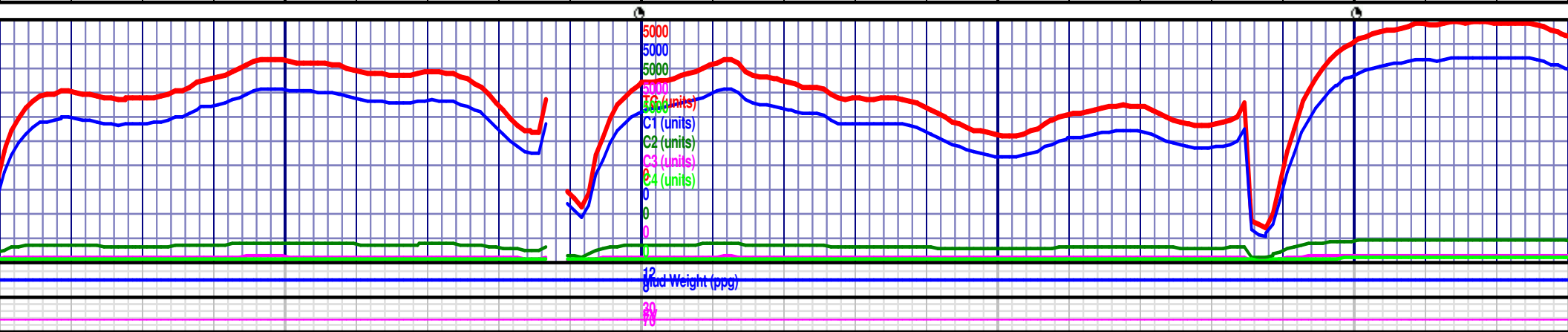
7200

7300

80%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (20%) dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty sl evn grnsh yel pri d fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (85%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (15%) dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty-sl evn grnsh yel pri flor, mod fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.

CHALK (90%) med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbplty, arg ip, frm - sft; MRLST: (10%) dkgy - v dk gy, rthy, sbblky - blky, frm-brit, carb, rr xln pyr, rr foss frag; sptty-sl evn grnsh yel pri d fst blmg - stmg mlky blush wht cut, spttd ylwsh grn resd ring.



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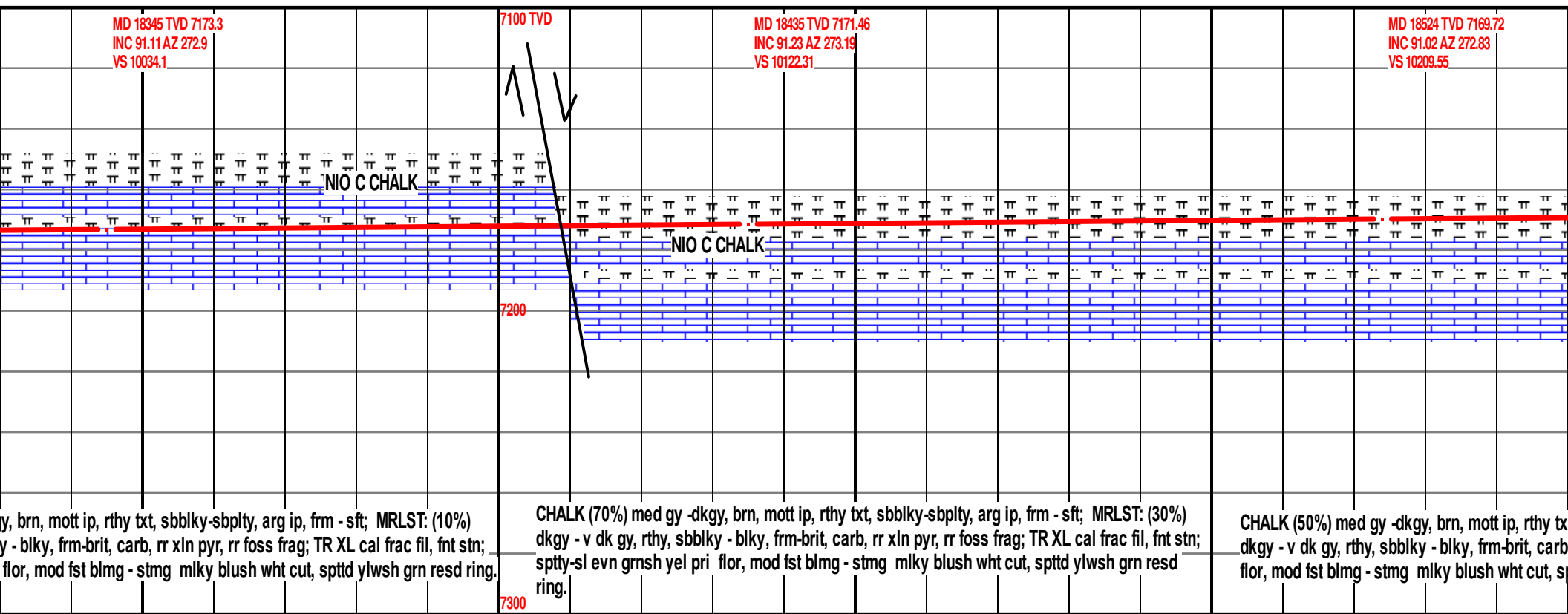
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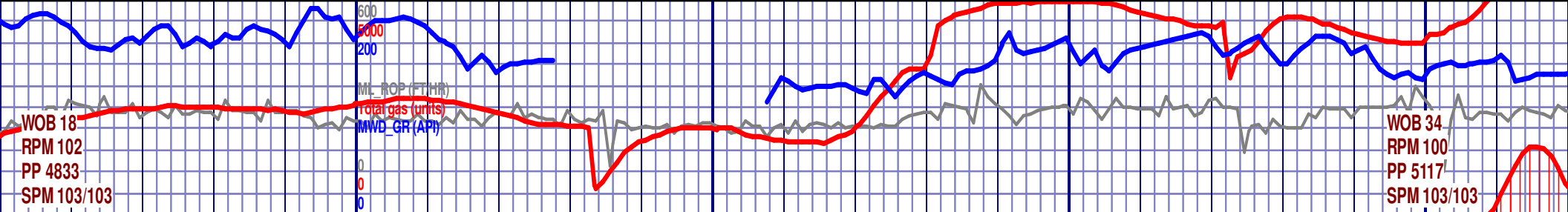
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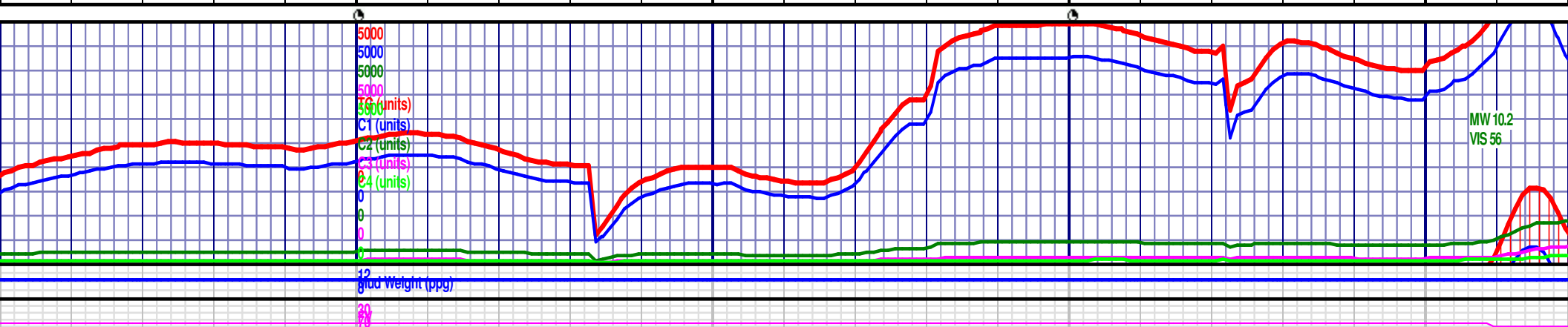
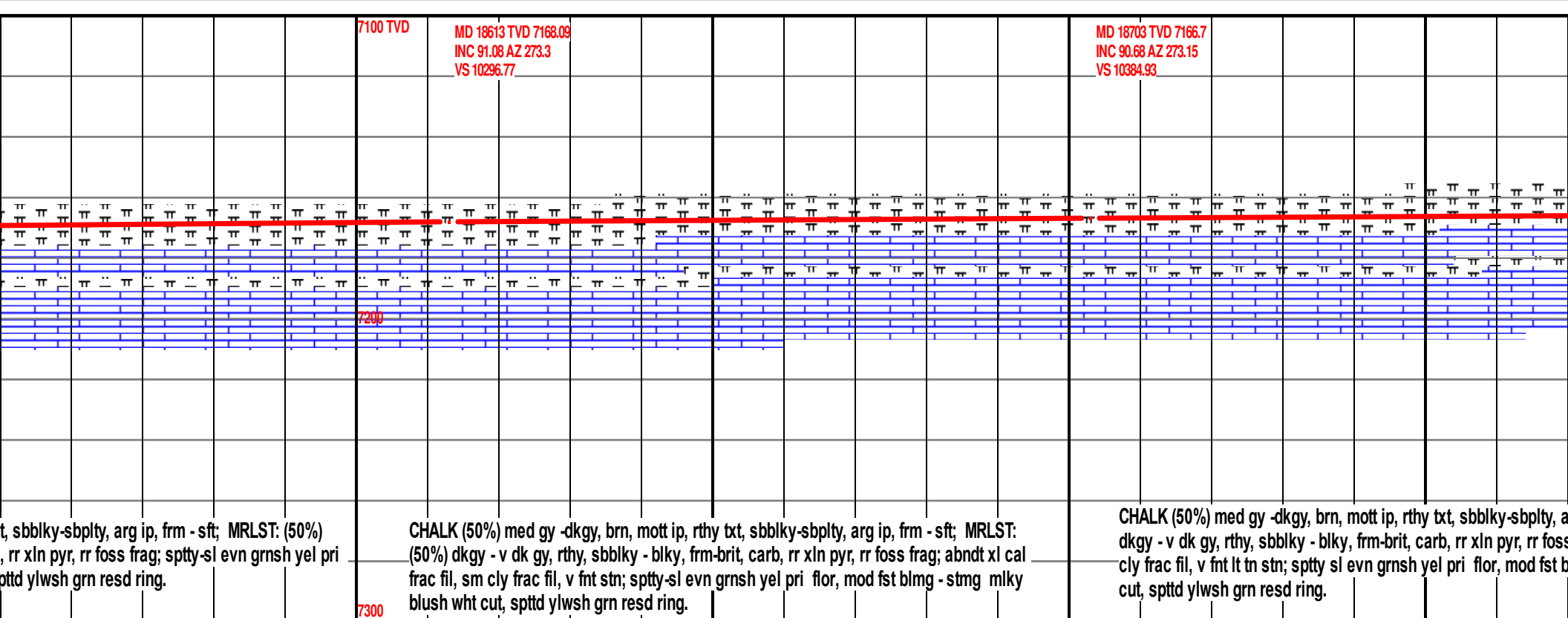
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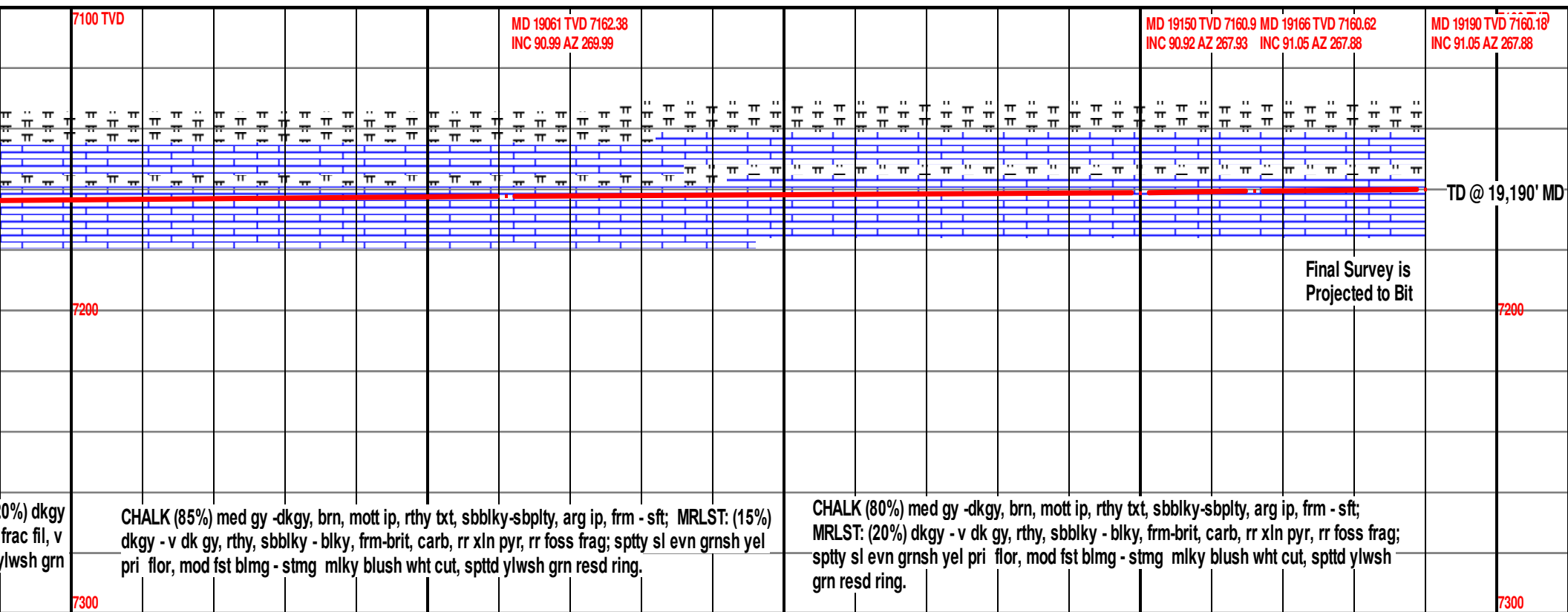




18550 18600 18650 18700 18750







(H)  
(its)  
(by)



19250

193

BIT #2, 8.5", HCC, ATD505, Jets 5x15s, SN#: 5280024, Rotary Steerable  
Directional BHA, IN @ 1820', ON 1/10/18, OUT ON 1/15/18 @ 19190' MD,  
DRILLED 17370' IN 63 BIT HR.

Formation Top's

MD

TVD

SSD

Sharon Springs  
Niobrara A Chalk  
Niobrara B Chalk  
Niobrara C Chalk

7219'  
7268'  
7430'  
7624'

6903'  
6943'  
7054'  
7140'

-2068'  
-2108'  
-2219'  
-2305'

Thank You  
Goolsby Brothers & Assoc.