

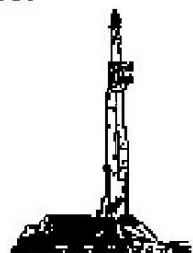
**GOOLSBY BROTHERS**  
and associates, inc.

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: Troudt 1N-23C-M  
API: 051234624100  
Location: NE/NW Section 27 T6N R66W Weld County, CO.  
License Number:  
Spud Date: August 1, 2018  
Surface Coordinates: 760' FNL 1624' FWL NE/NW Sec. 27 T6N R66W  
Lat/Long: 40.464592 N, -104.76753 W  
Bottom Hole Planned: 2092' FSL 510' FEL Sec. 23 T6N R66W  
Coordinates: Projected: 2091' FSL 405' FEL Sec. 23 T6N R66W  
Ground Elevation (ft): 4,720'  
Logged Interval (ft): 7,500' To: 15,714'  
Formation: Niobrara C Chalk  
Type of Drilling Fluid: OBM (LSND Surface).

Region: Wattenberg  
Drilling Completed: August 5, 2018

K.B. Elevation (ft): 4,744'  
Total Depth (ft): 15,714' DMTD

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

**OPERATOR**

Company: SRC Energy, Inc  
Address: 1675 Broadway, Suite 2600  
Denver, Colorado 80202  
(720) 616-4300  
Geologist: Tony Williams

**GEOLOGIST**

Name: Blake Stacey & Tekabe Gedamu  
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 15,656' MD

## Casing

9 5/8" Surface Casing pre set @ 1,851' MD.  
5 1/2" Production Casing set @ 15,694' on 8/06/2018.

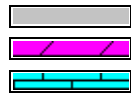
## Comments

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

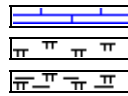
## ROCK TYPES



Bent  
Cht  
Clyst



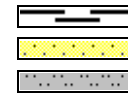
Oil sat.  
Dol  
Lmst



Chalk  
Mrlst  
Mrlst\_sh (intbdd)



Shale  
Shgy  
Slty sh



Carb sh  
Ss  
Slstst

## 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

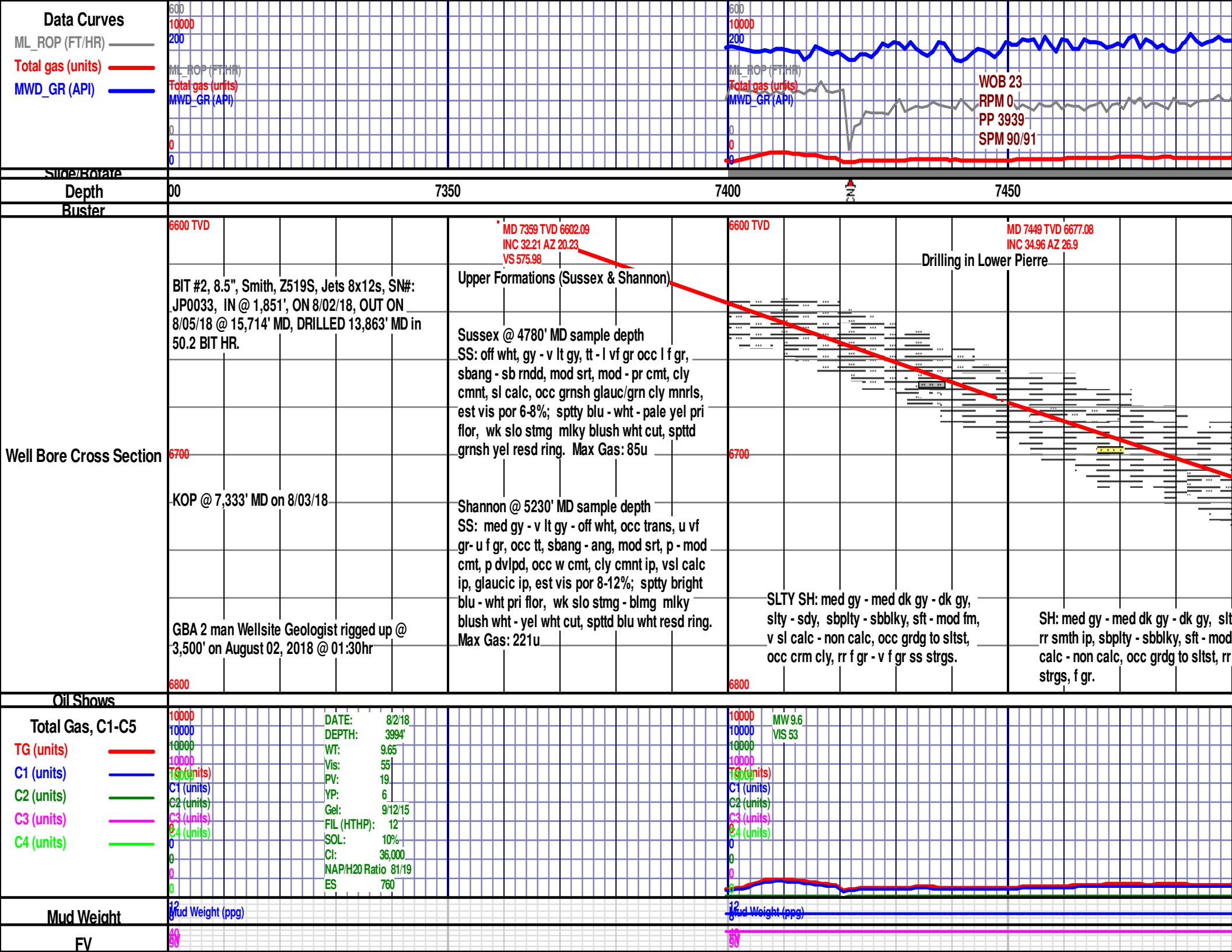
Inter  
 Moldic  
 Organic  
 Pinpoint  
 Vuggy

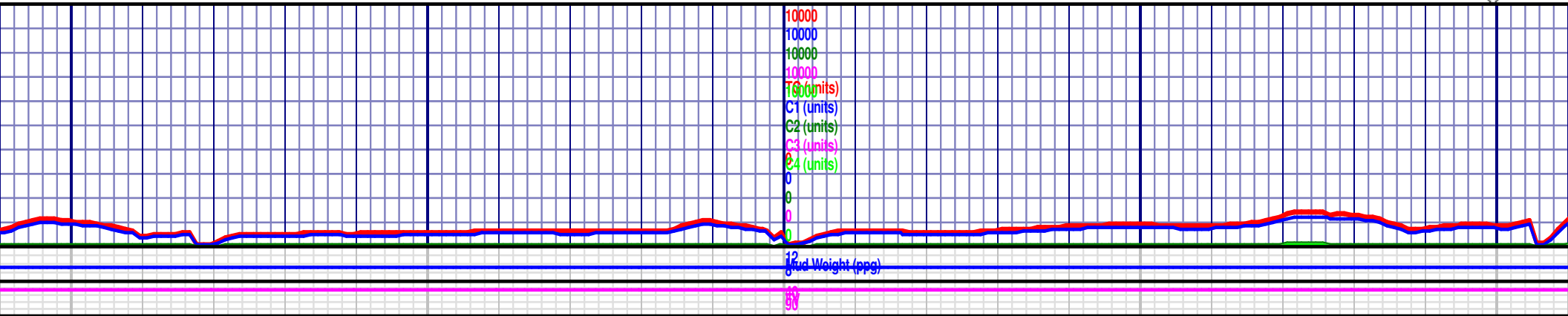
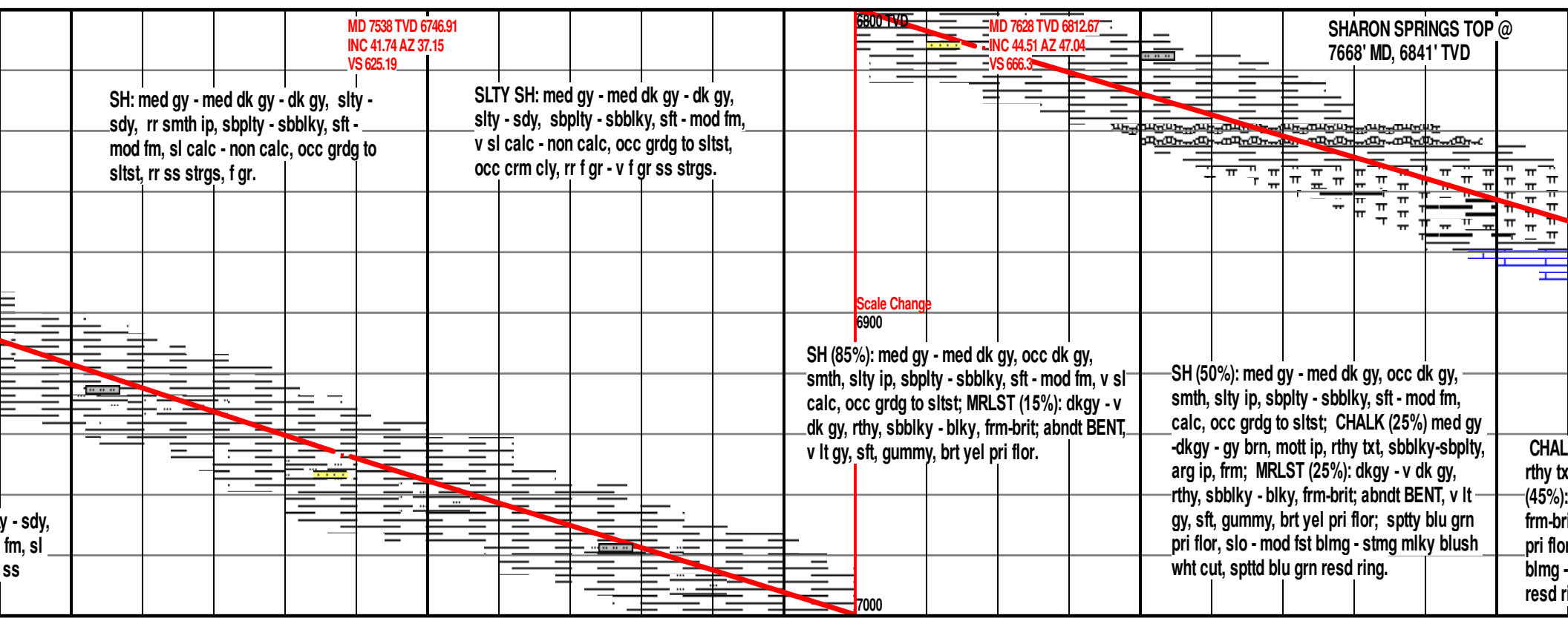
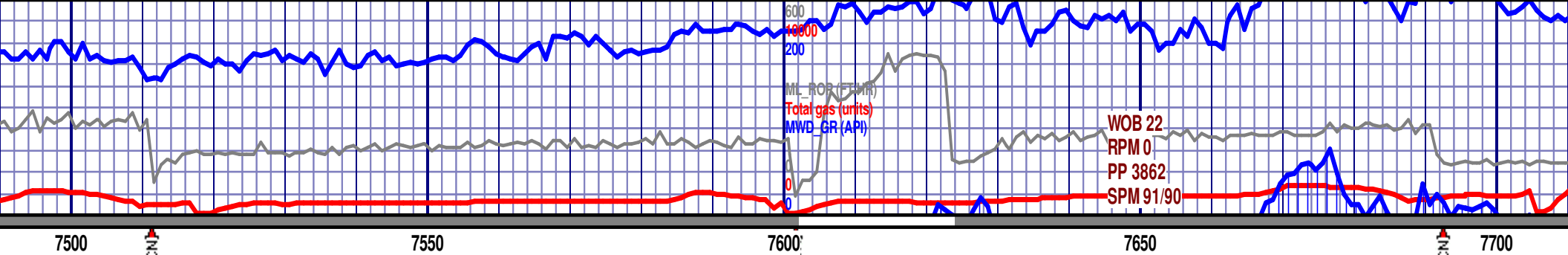
### ROUNDING

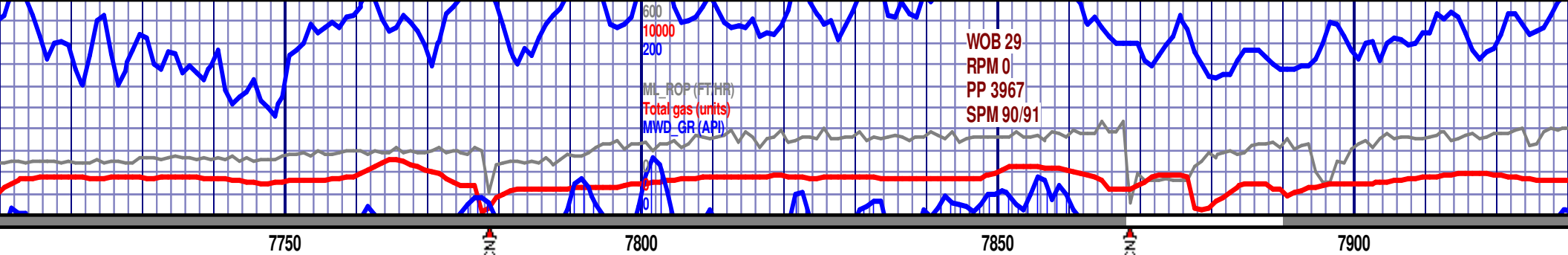
Rounded  
 Subrnd  
 Subang  
 Angular

### SORTING

Well  
 Moderate  
 Poor







MD 7717 TVD 6874.08  
INC 48.42 AZ 59.2  
VS 717.73

NIO A CHALK TOP @  
7726' MD, 6880' TVD

MRLST (70%): dkgy - v dk gy, rthy, sbblky -  
blky, frm-brit; CHALK (30%) med gy -dkgy, brn,  
mott ip, rthy txt, sbblky-sbply, arg ip, frm; Tr  
BENT, v lt gy, sft, gummy, (brt yel pri flor); spty  
blu grn pri flor, mod fst blmg - stmg mlky blush  
wht cut, spttd blu grn resd ring.

6800 TVD MD 7807 TVD 6929.91  
INC 55.04 AZ 70.78  
VS 781.6

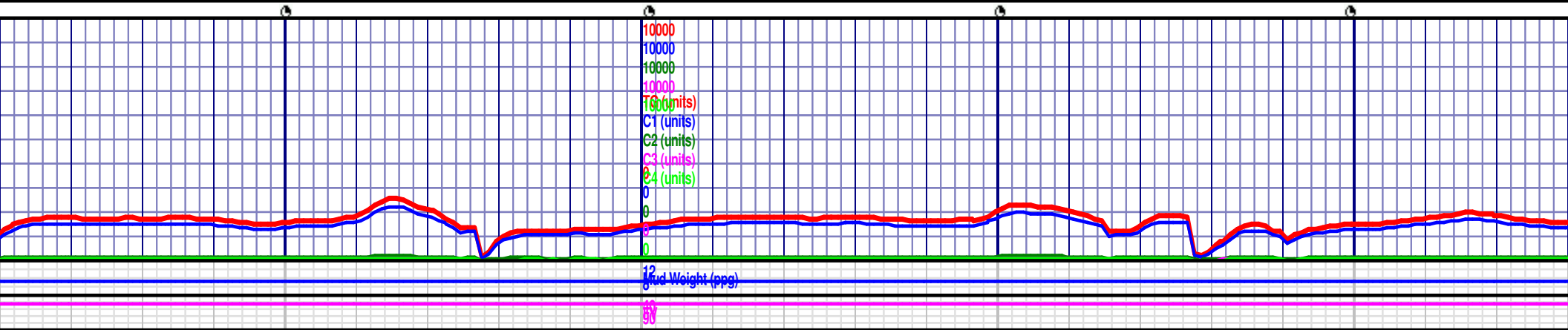
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brn, mott ip, rthy txt, sbblky-sbply, arg ip,  
frm; Tr BENT, v lt gy, sft, gummy, (brt yel pri  
flor); spty blu grn pri flor, mod fst blmg -  
stmg mlky blush wht cut, spttd blu grn resd  
ring.

MD 7896 TVD 6975.18  
INC 63.75 AZ 74.17  
VS 854.52

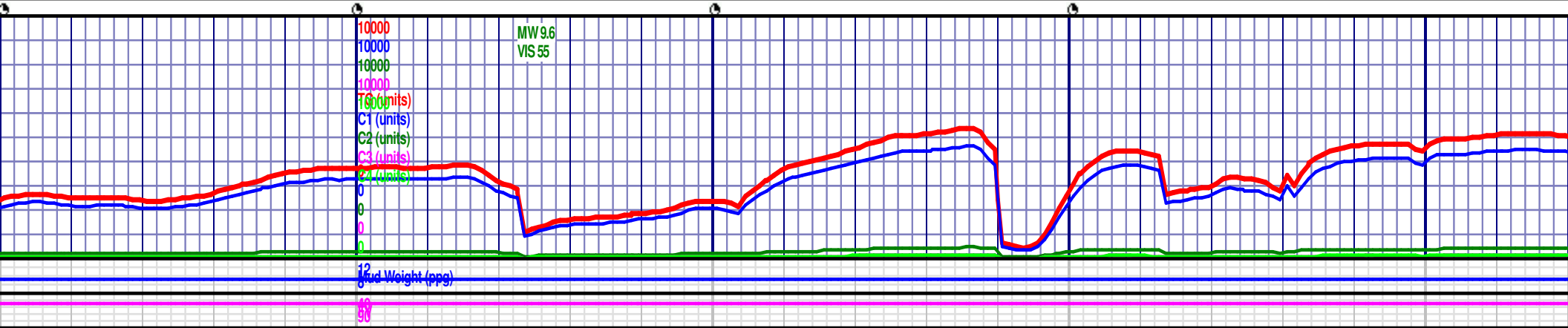
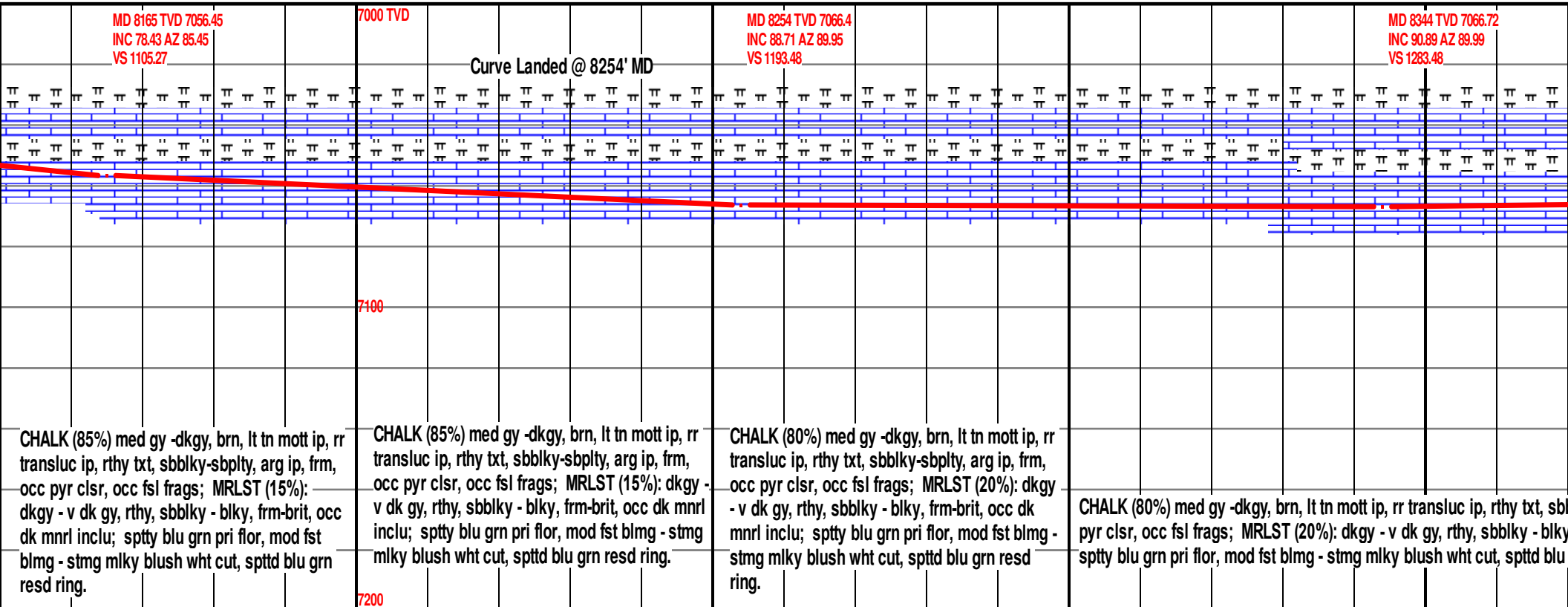
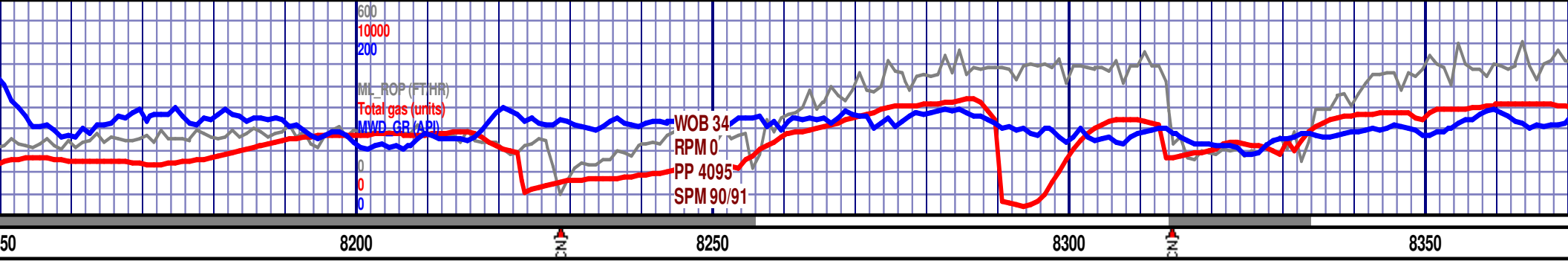
MRLST (70%): dkgy - v dk gy, rthy, sbblky -  
blky, frm-brit; CHALK (30%) med gy -dkgy,  
brn, mott ip, rthy txt, sbblky-sbply, arg ip,  
frm; Tr BENT, v lt gy, sft, gummy, (brt yel pri  
flor); spty blu grn pri flor, mod fst blmg -  
stmg mlky blush wht cut, spttd blu grn resd  
ring.

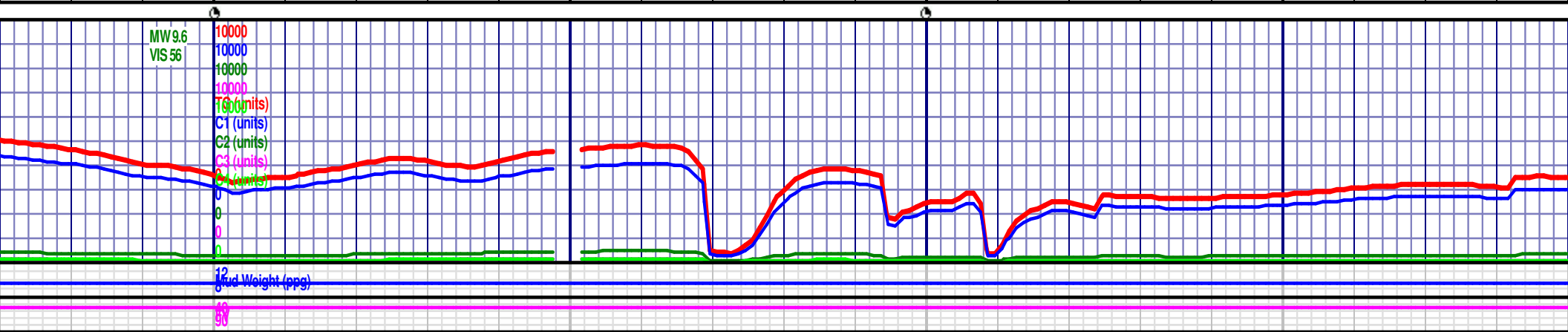
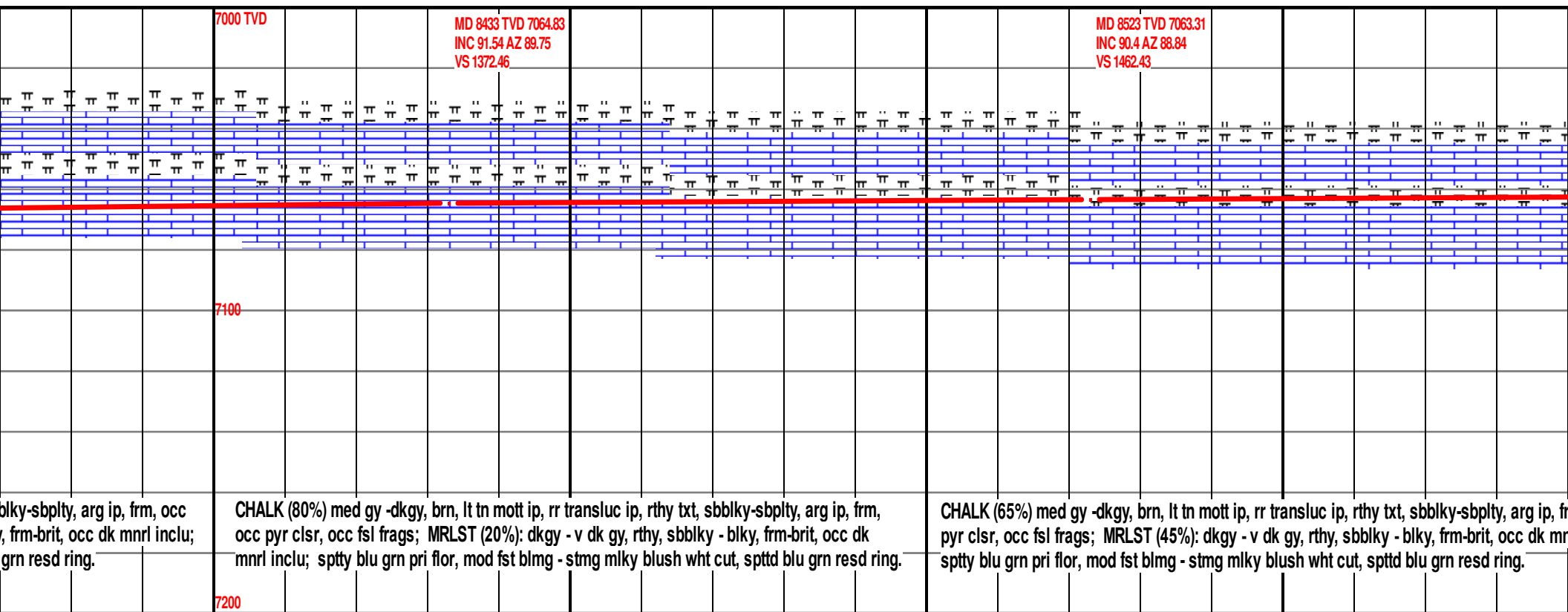
MRLST (65%): dkgy - v dk gy, rthy, sbblky -  
blky, frm-brit, oc (poss frac fil); CHALK (35%)  
med gy -dkgy, brn, mott ip, rthy txt, sbblky-sbply,  
arg ip, frm; Tr BENT, v lt gy, sft, gummy, (brt yel  
pri flor, mod fst blmg - stmg mlky blush wht cut,  
spttd blu grn resd ring.

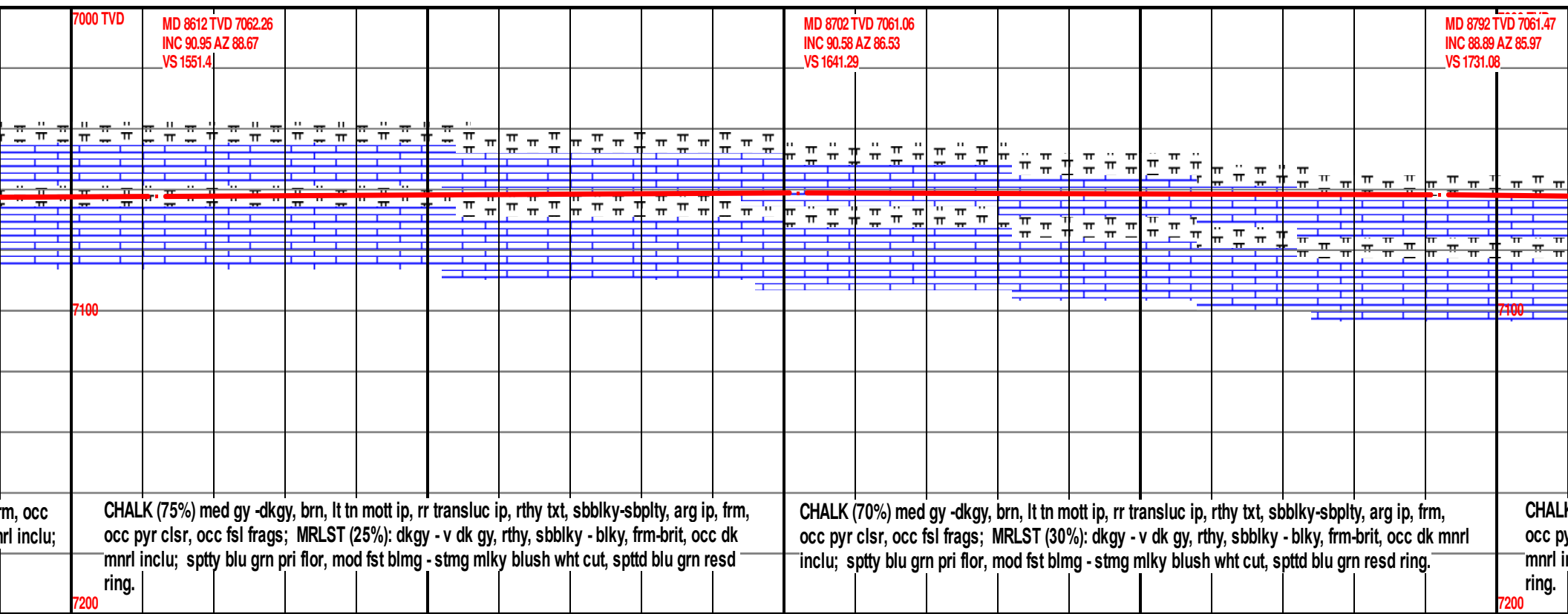
K (55%) med gy -dkgy - gy brn, mott ip,  
t, sbblky-sbply, arg ip, frm; MRLST  
dkgy - v dk gy, rthy, sbblky - blky,  
it; sm BENT, v lt gy, sft, gummy, brt yel  
r; spty blu grn pri flor, slo - mod fst  
stmg mlky blush wht cut, spttd blu grn  
ring.

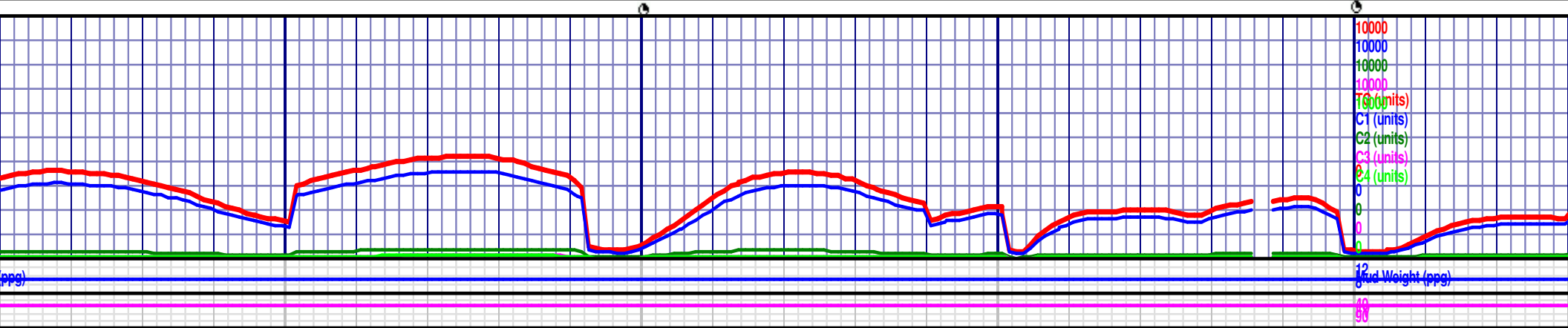
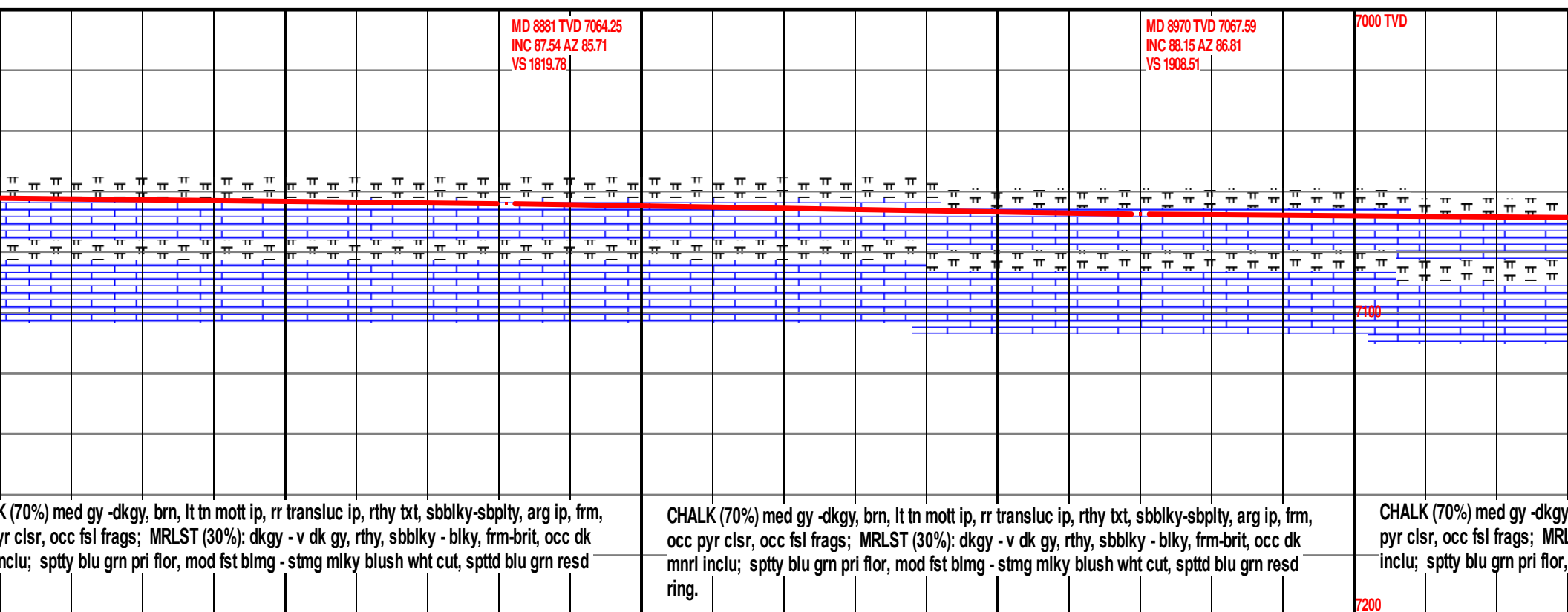
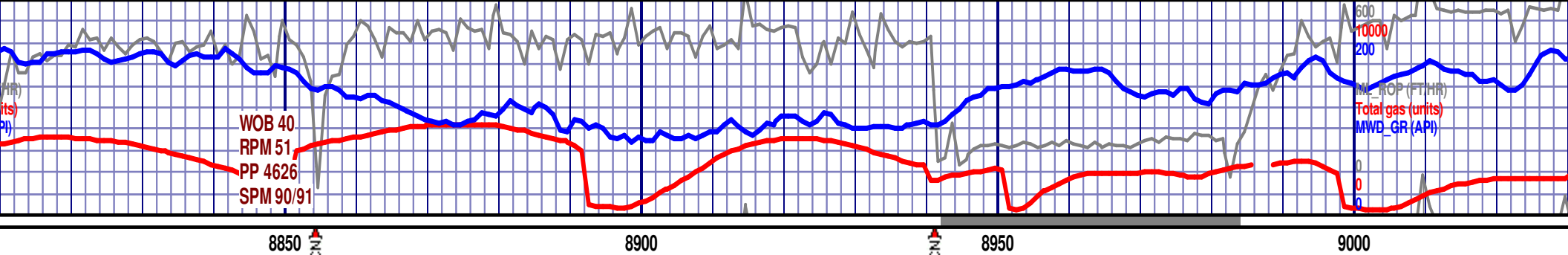


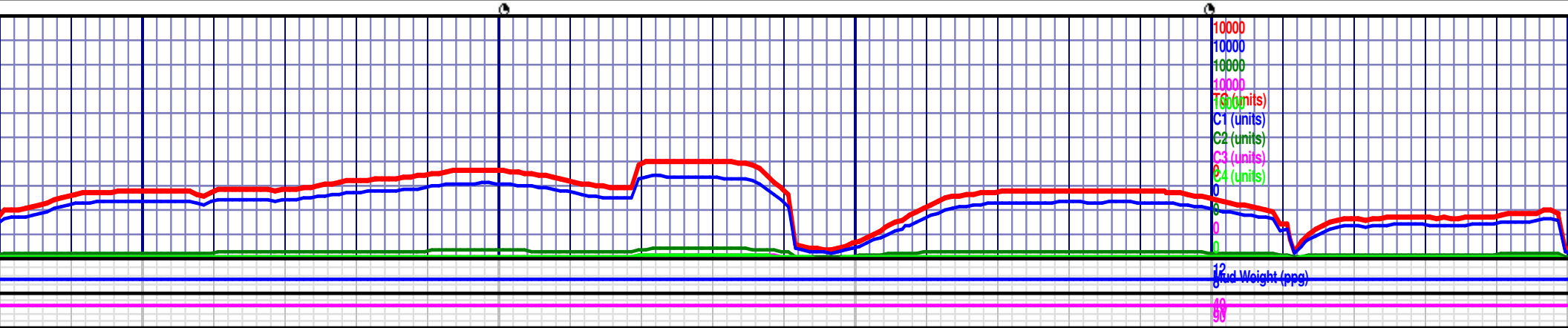
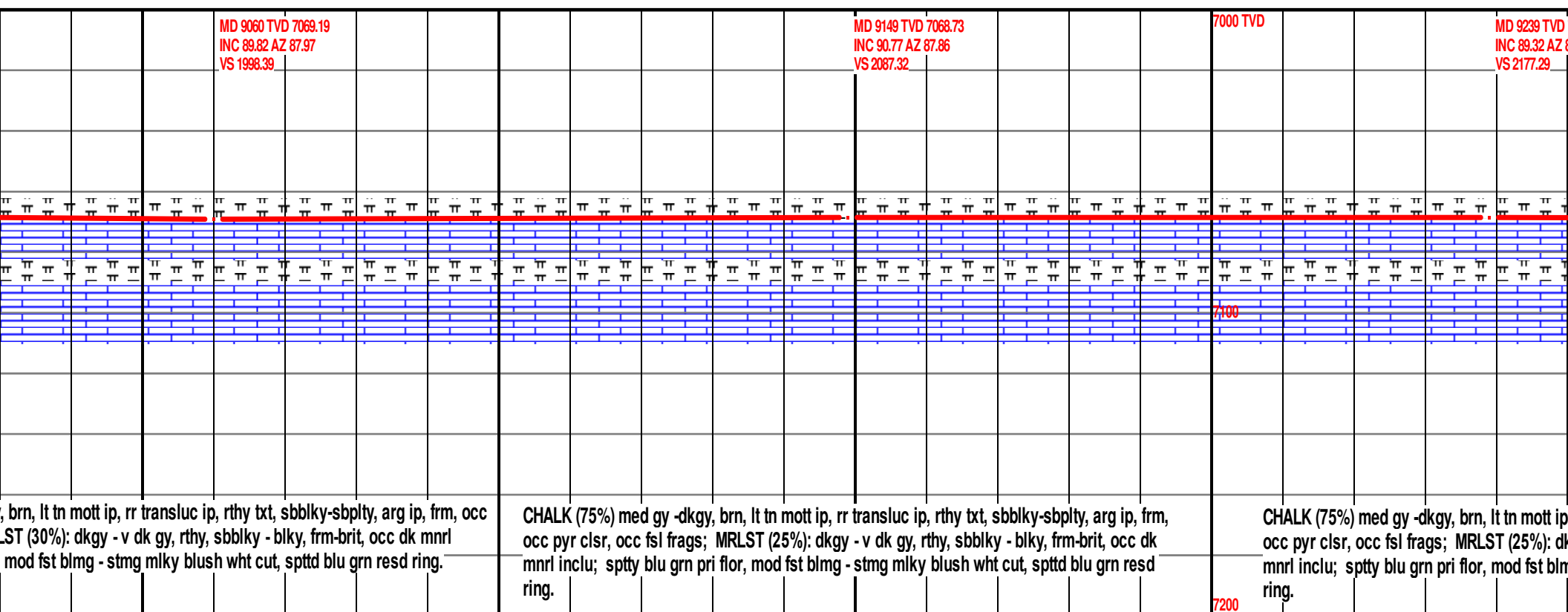
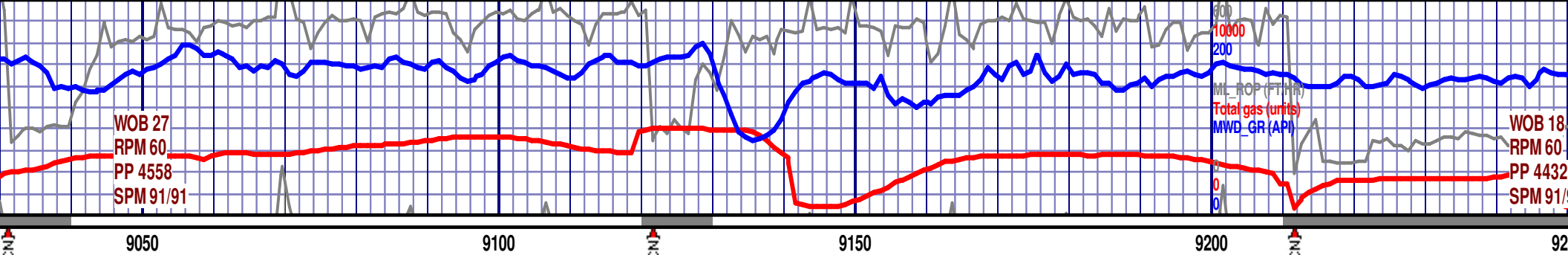


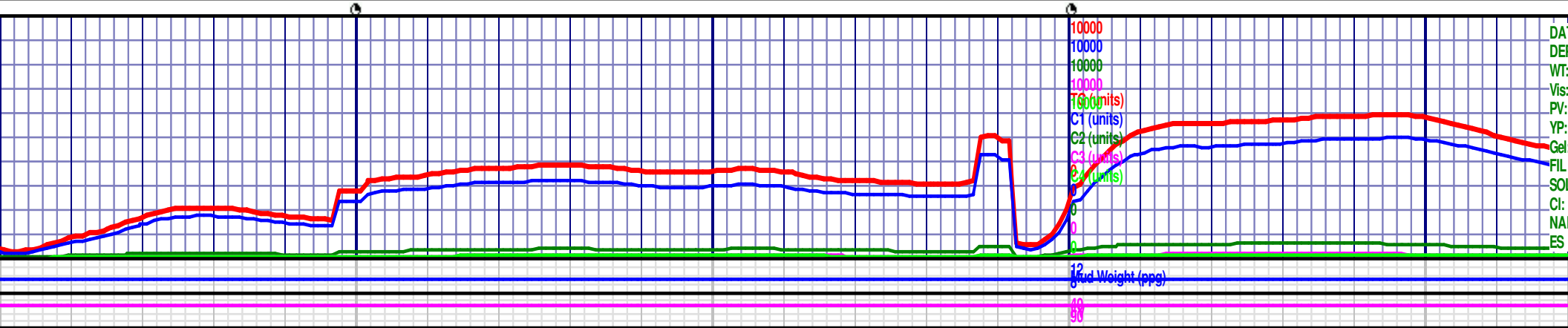
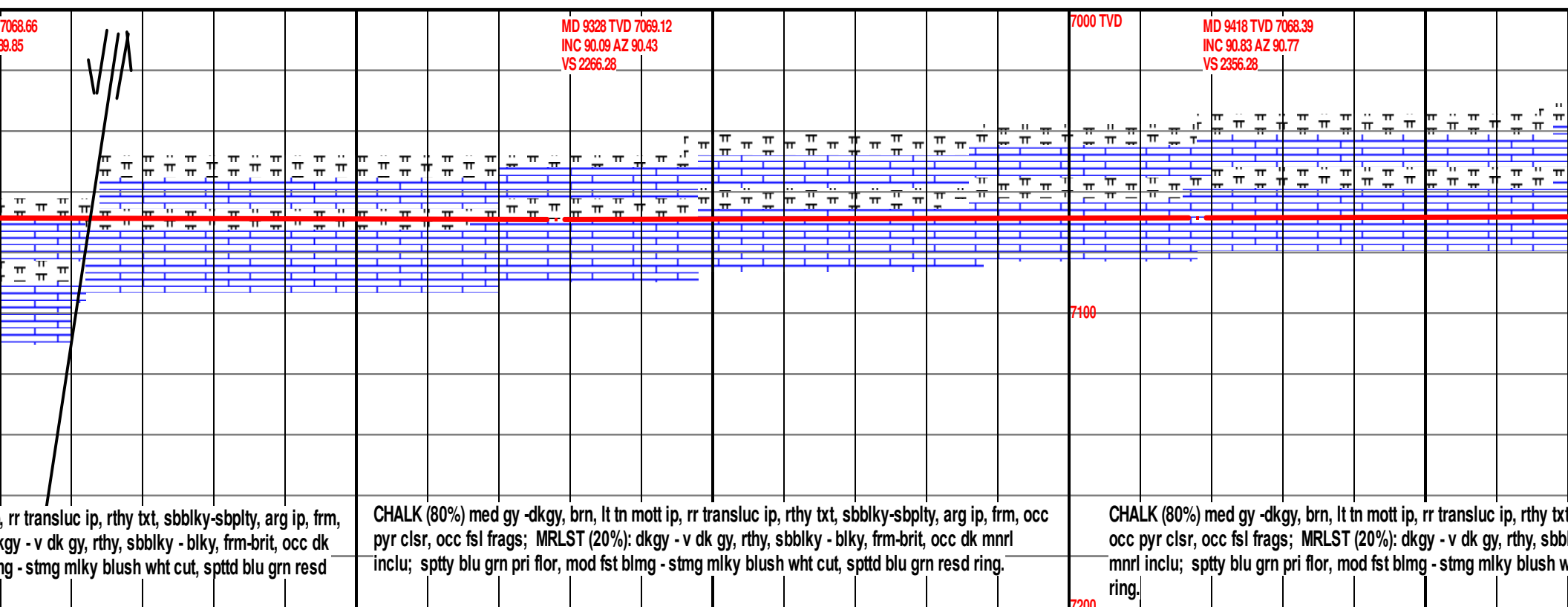
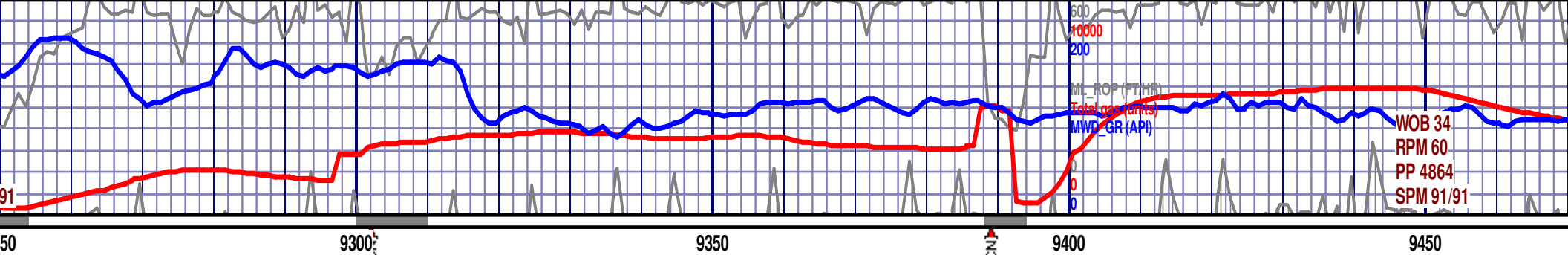


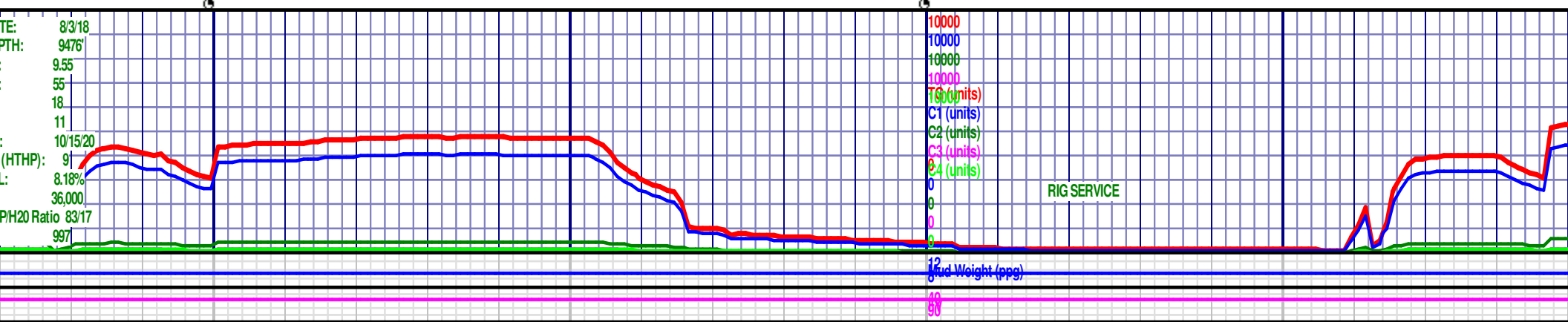
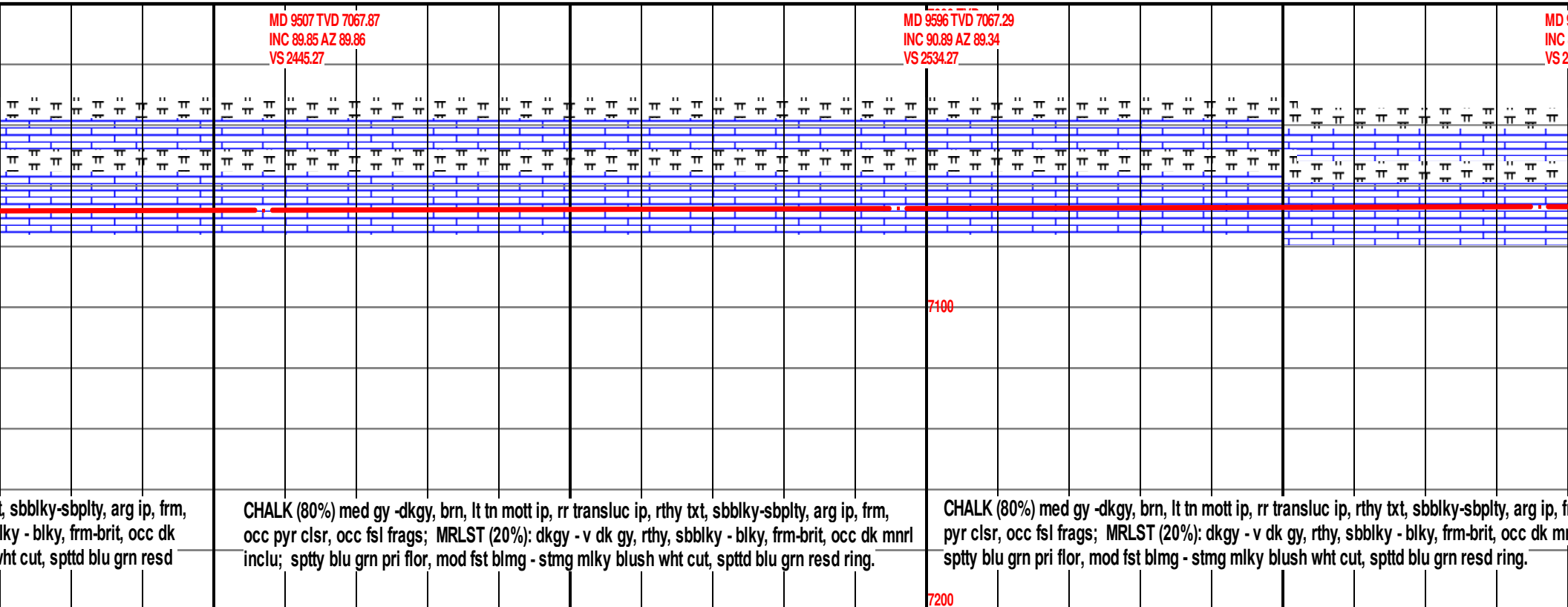
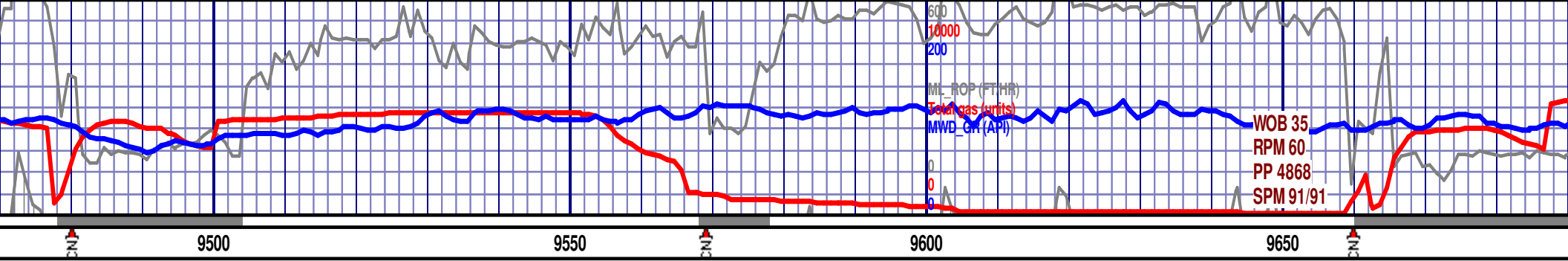


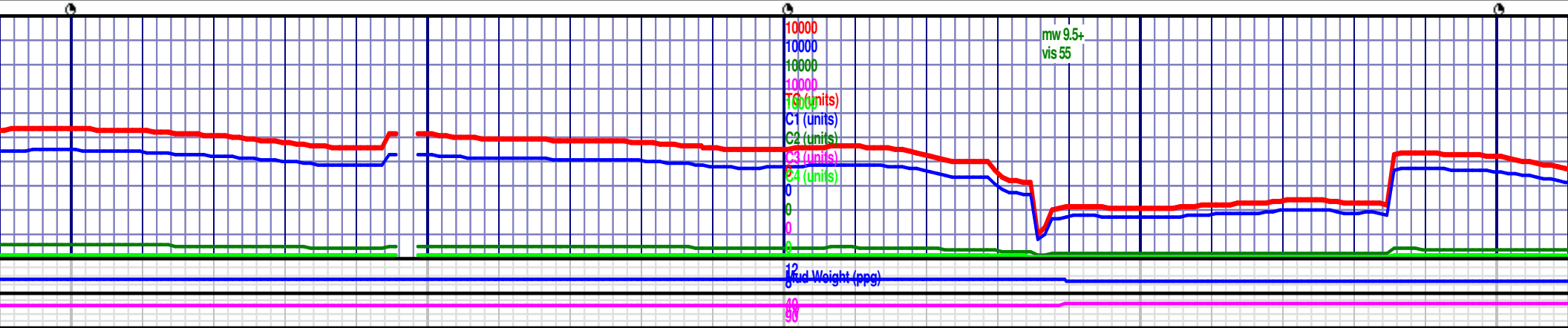
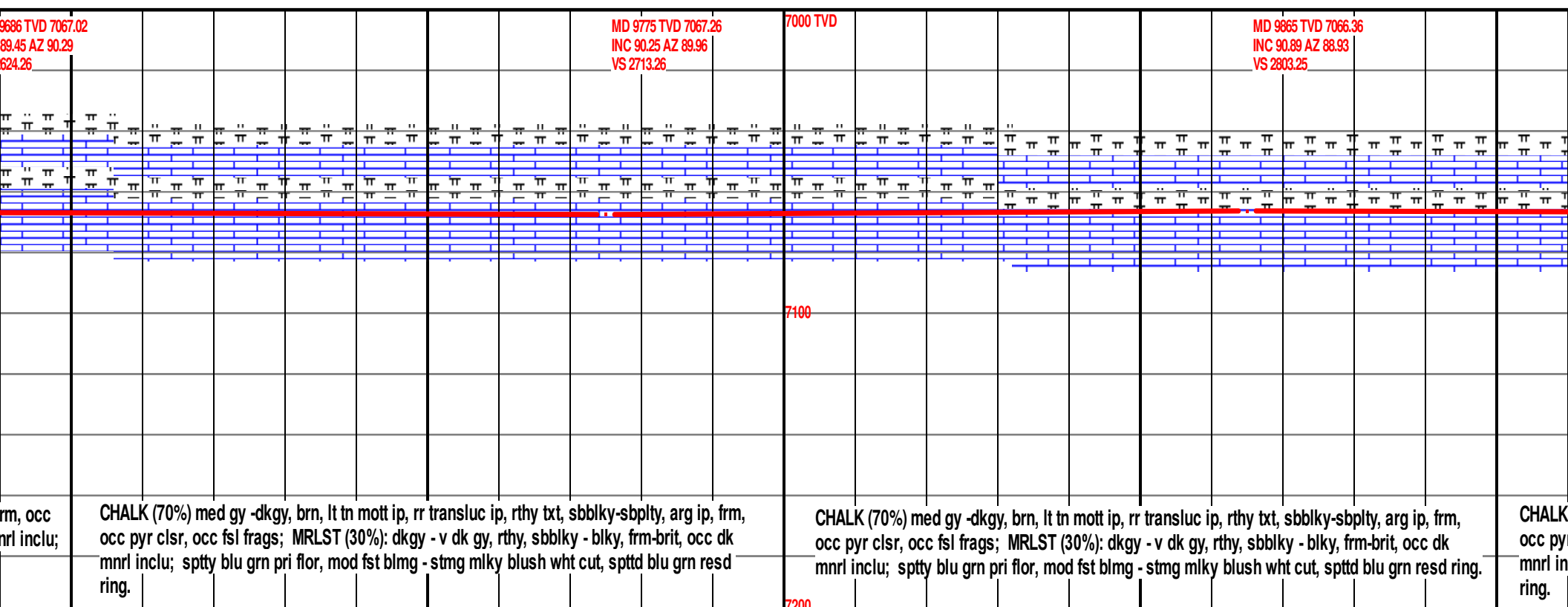
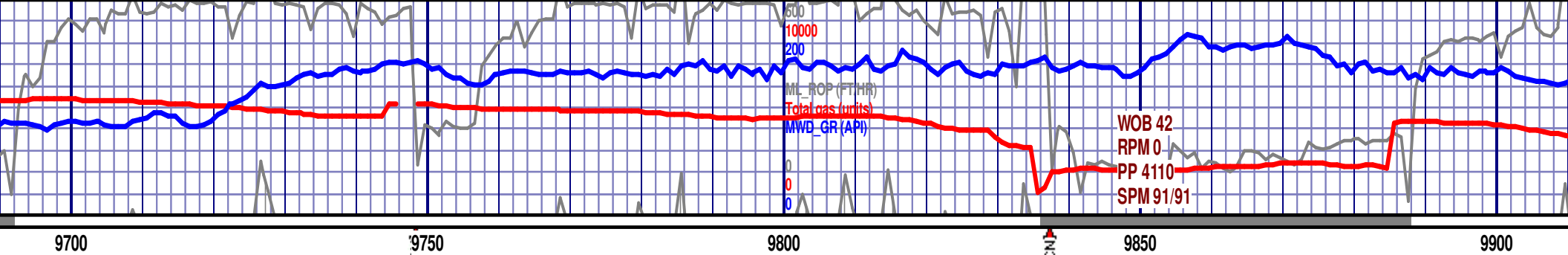


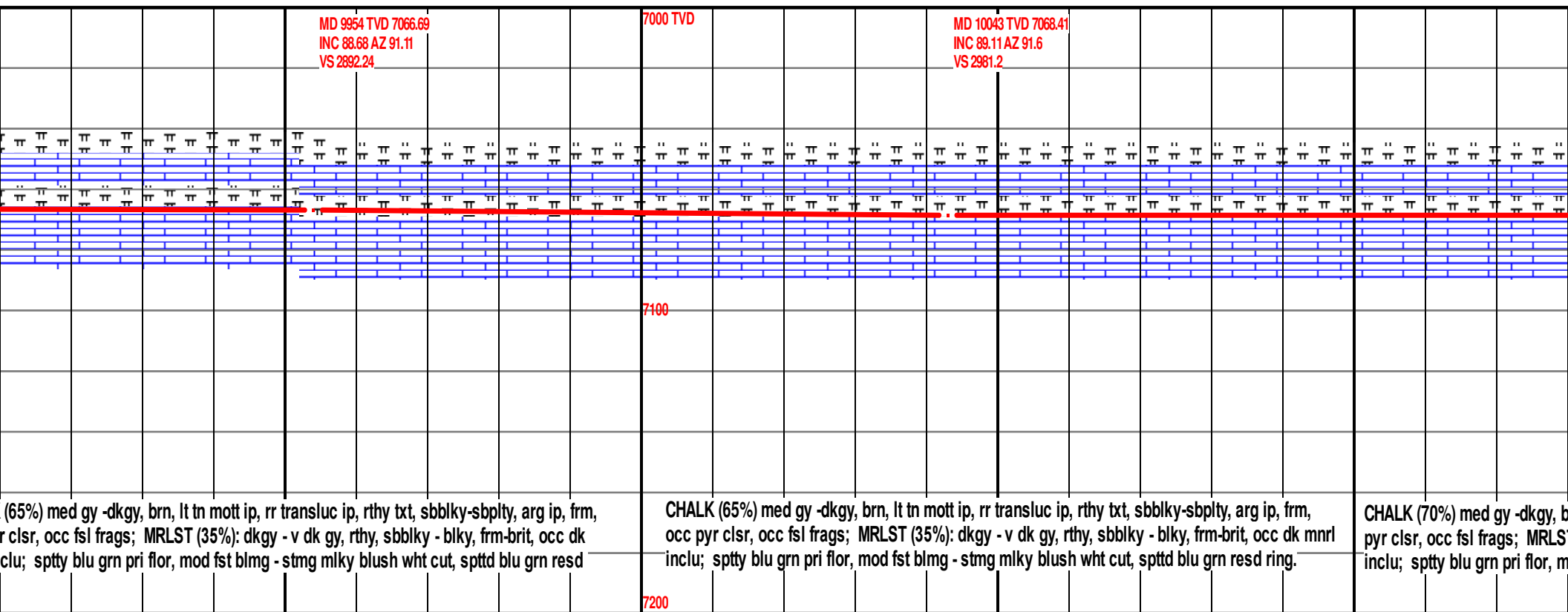


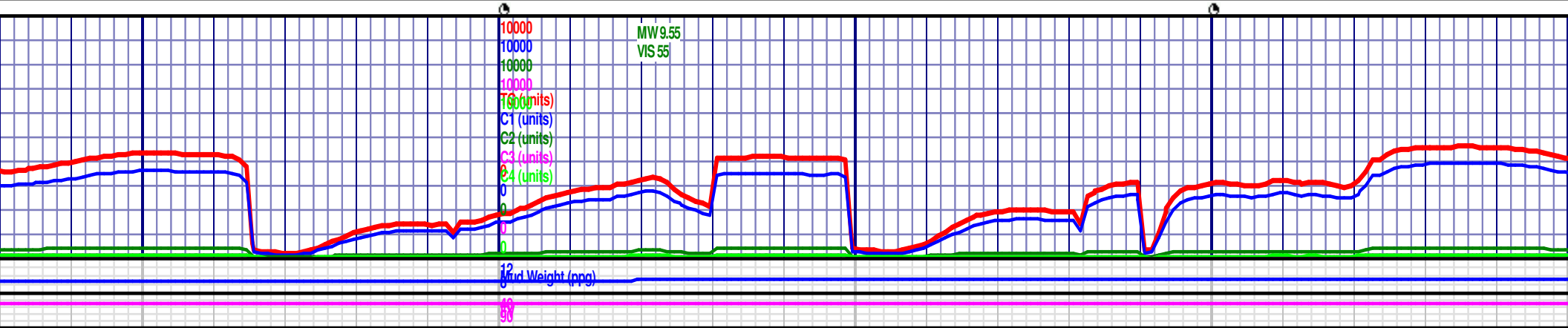
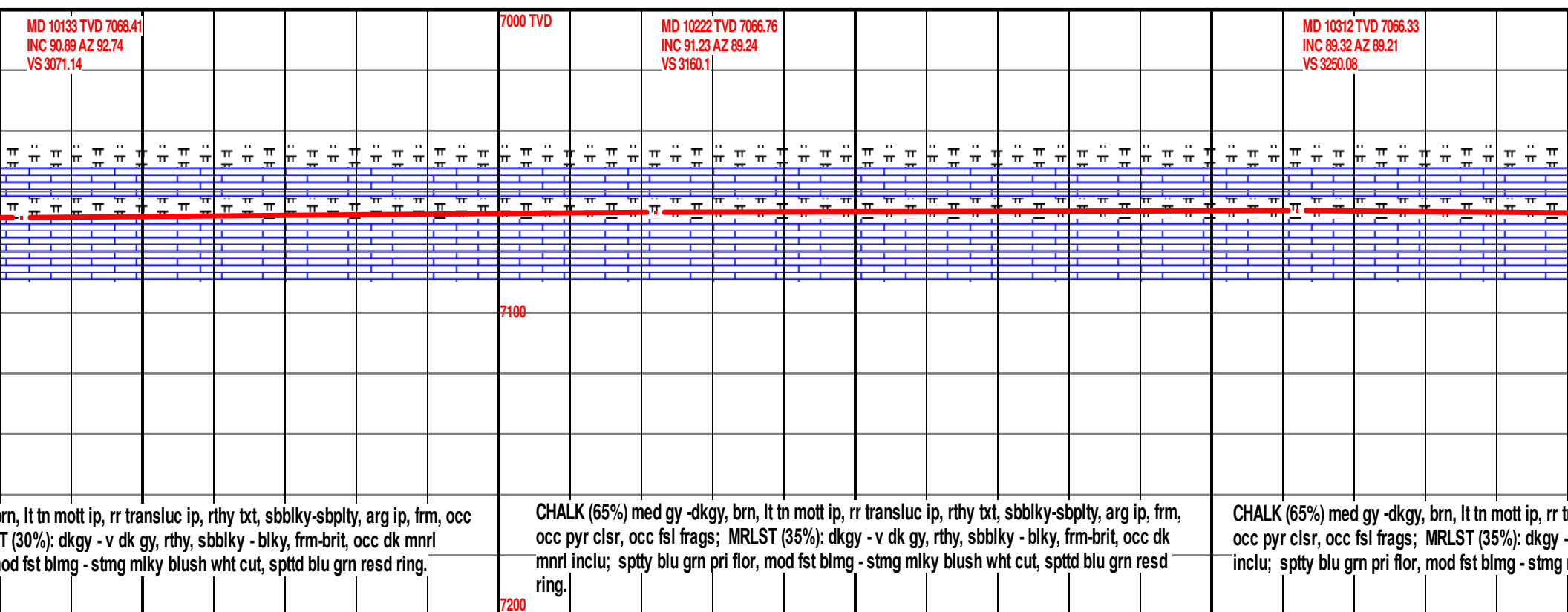
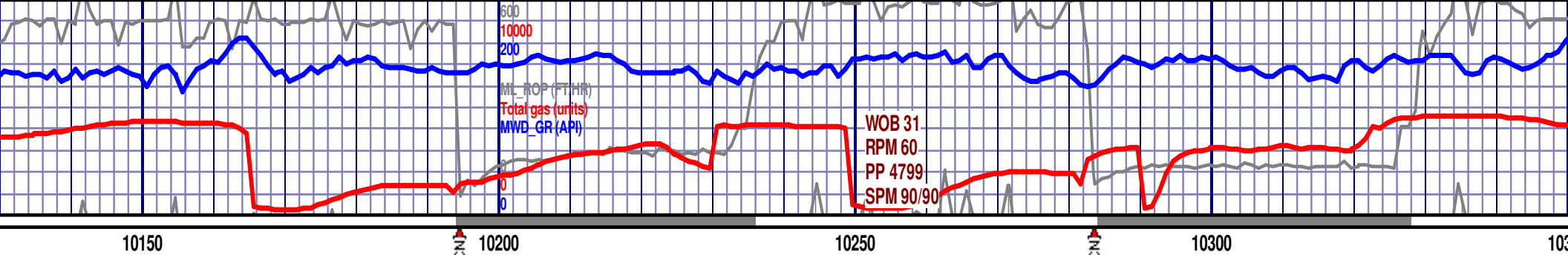


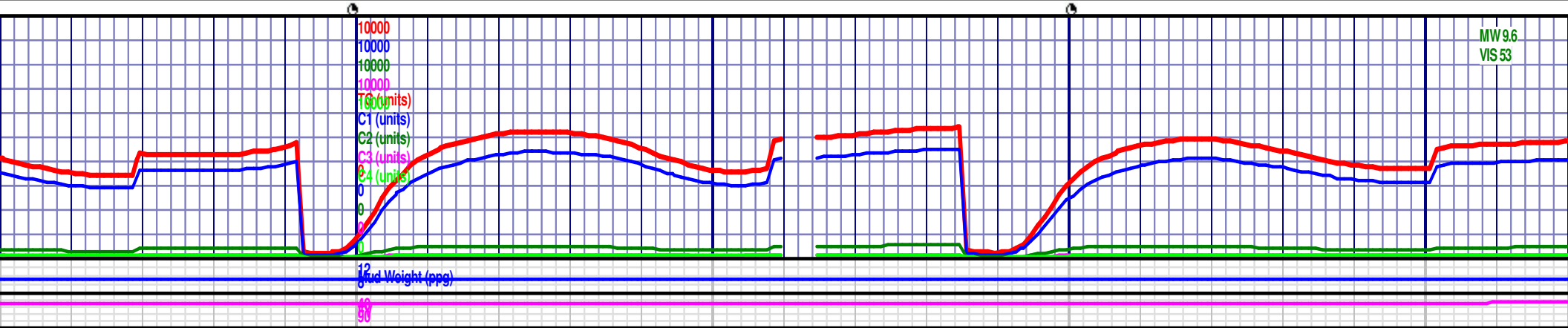
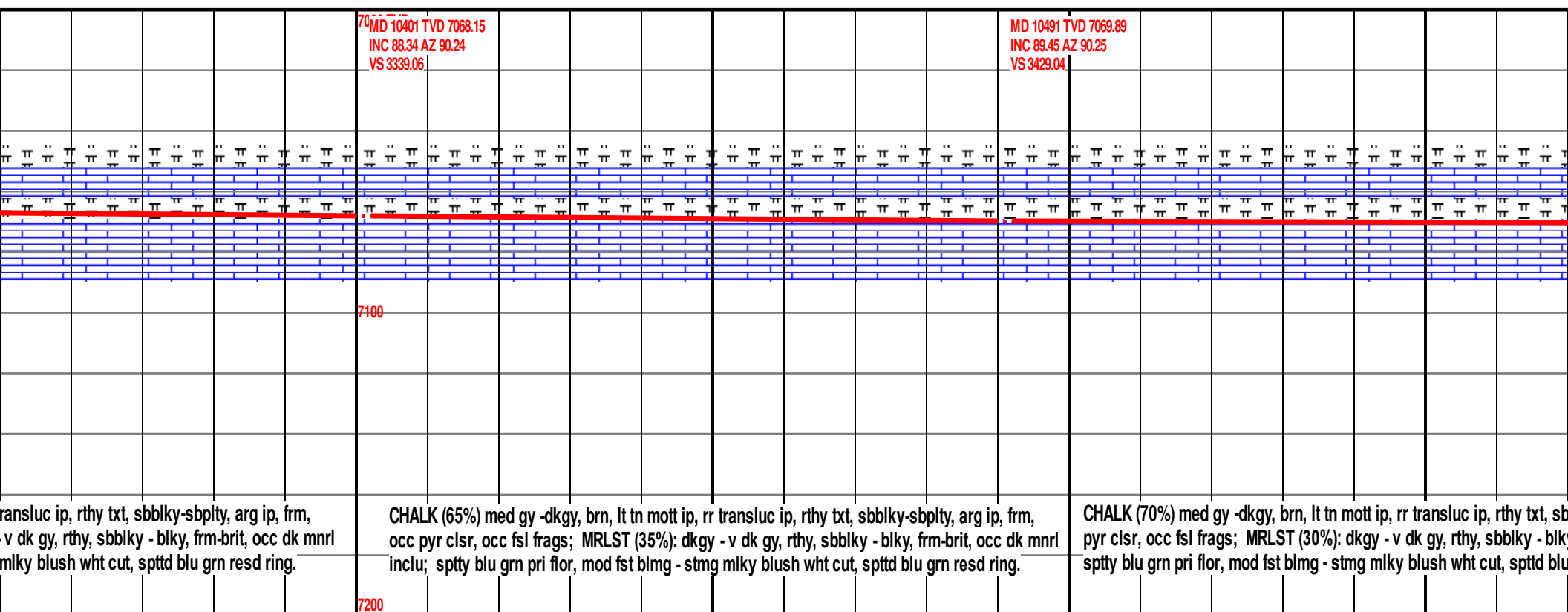
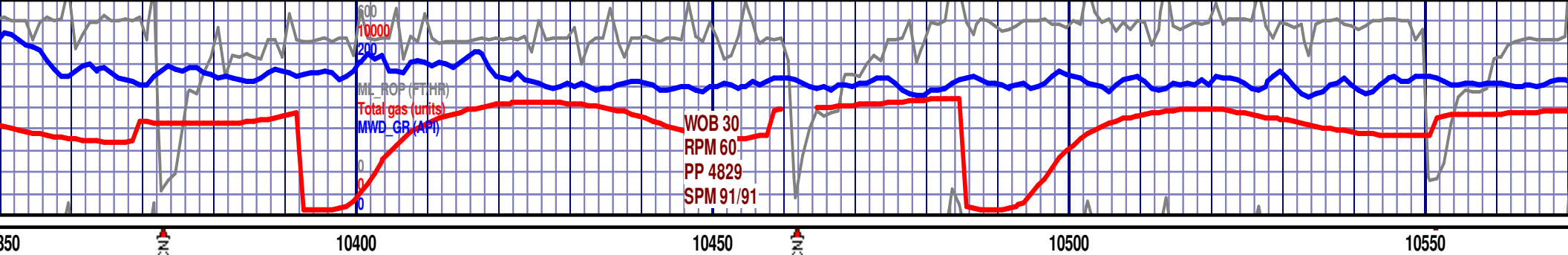


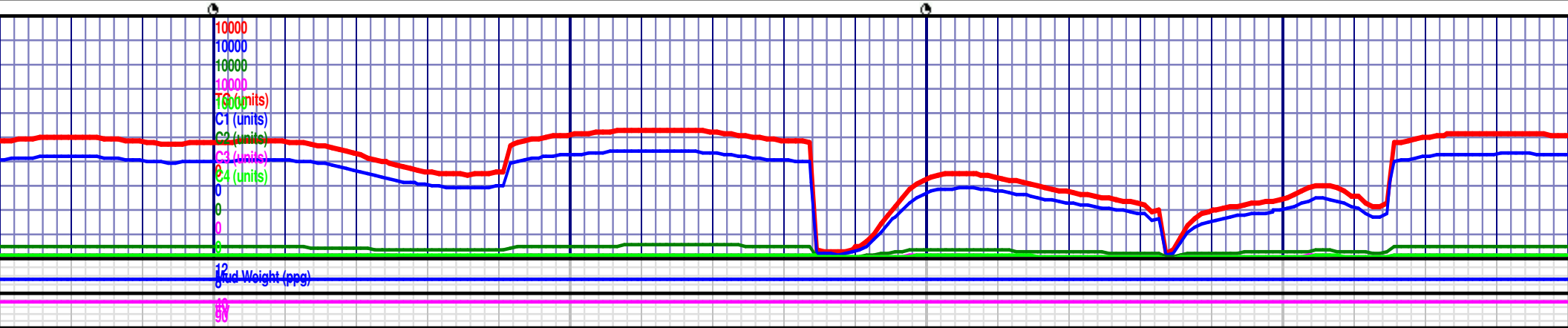
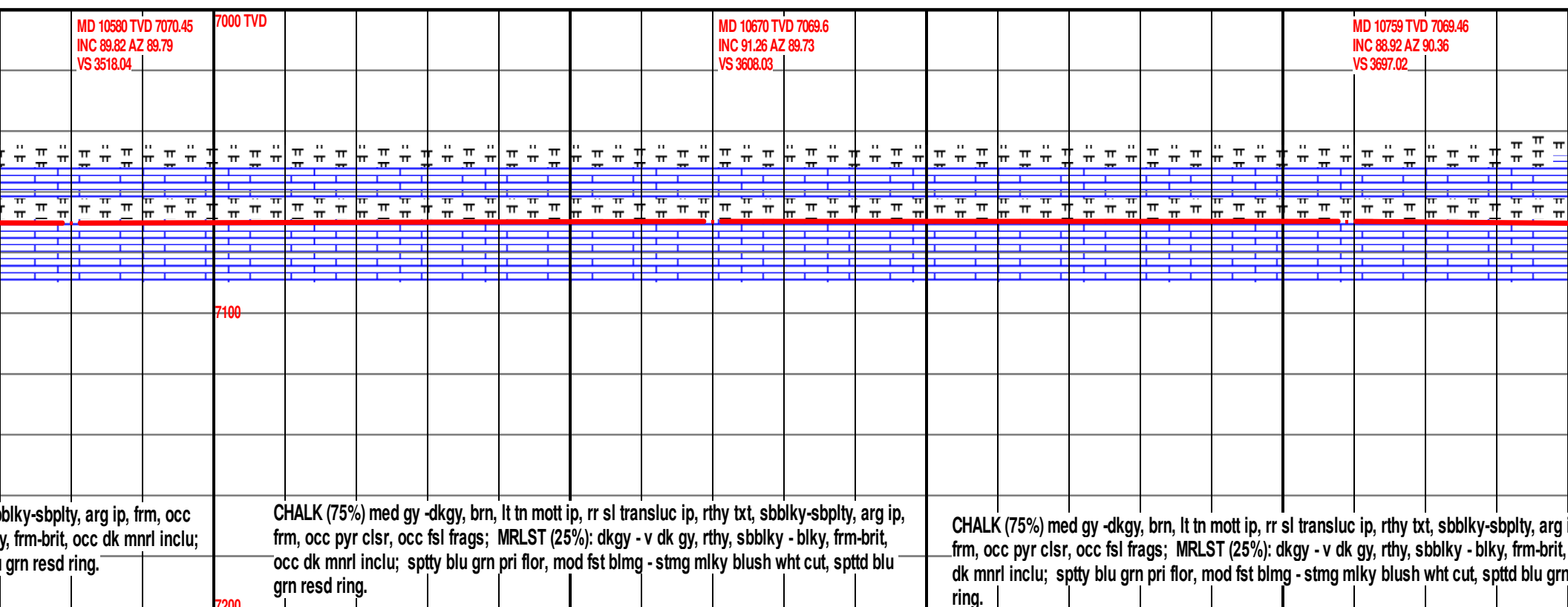
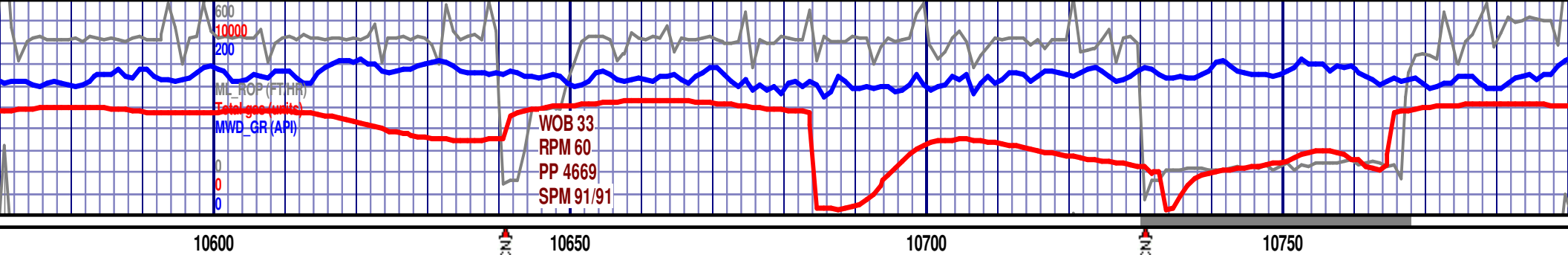


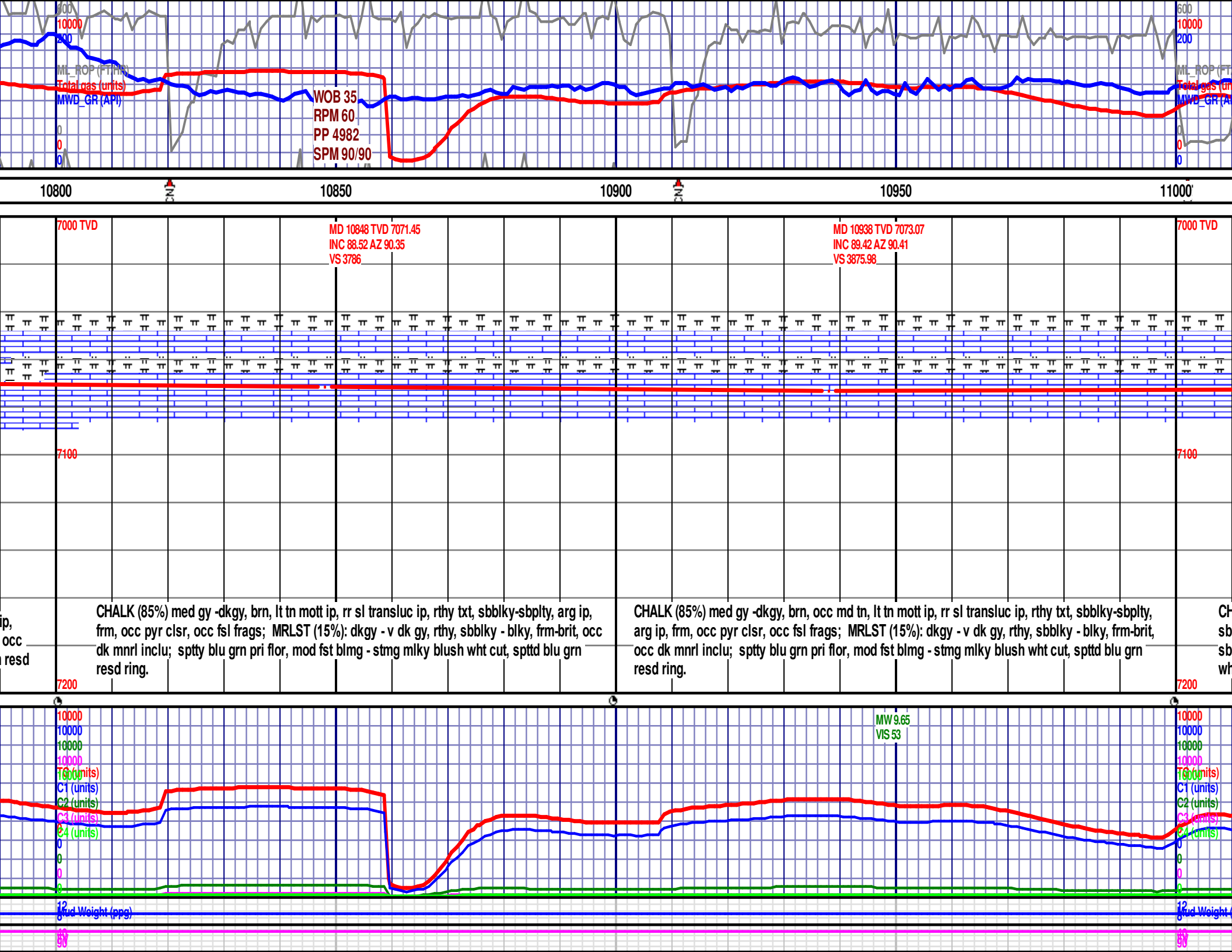


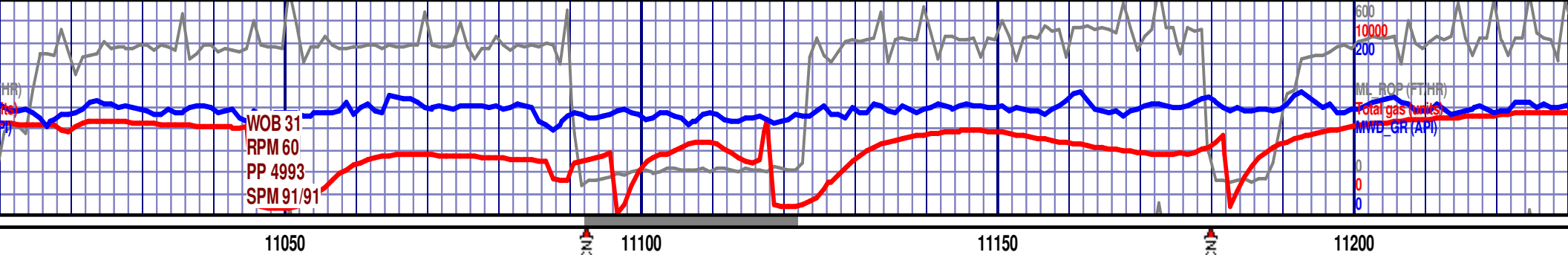




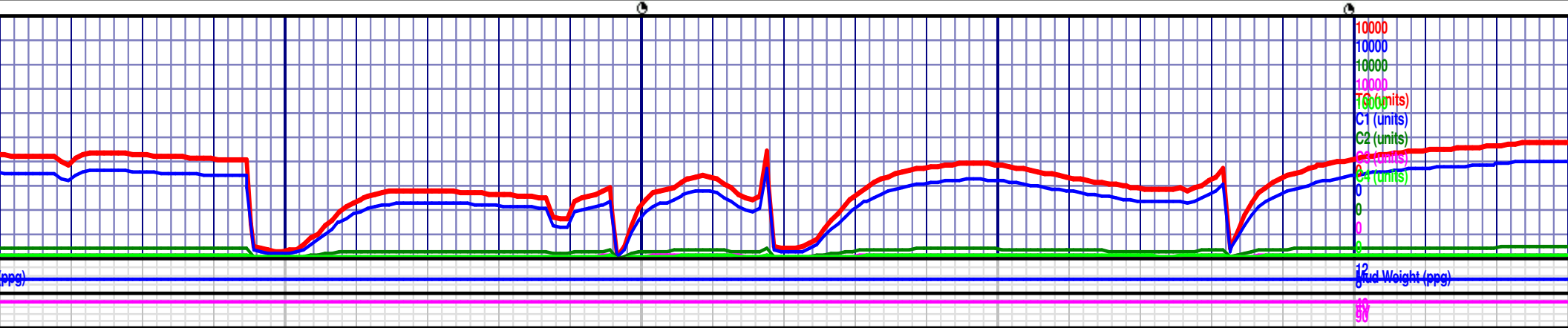


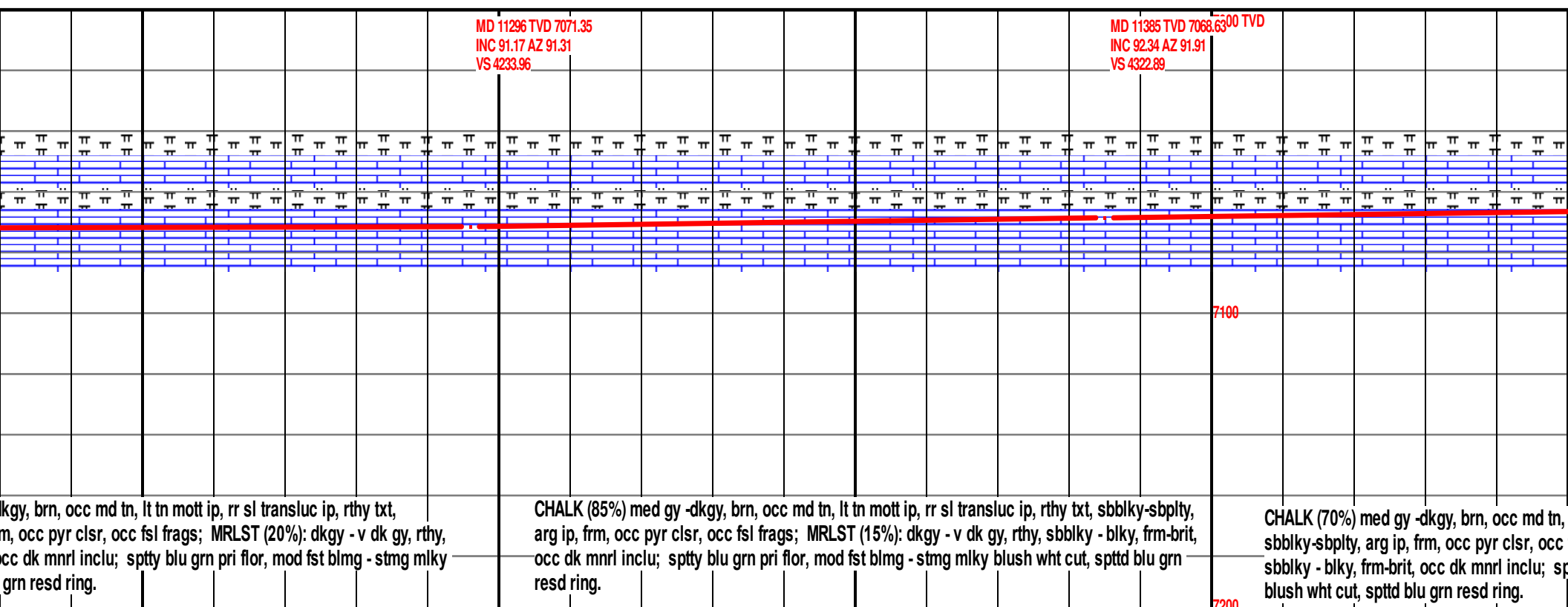


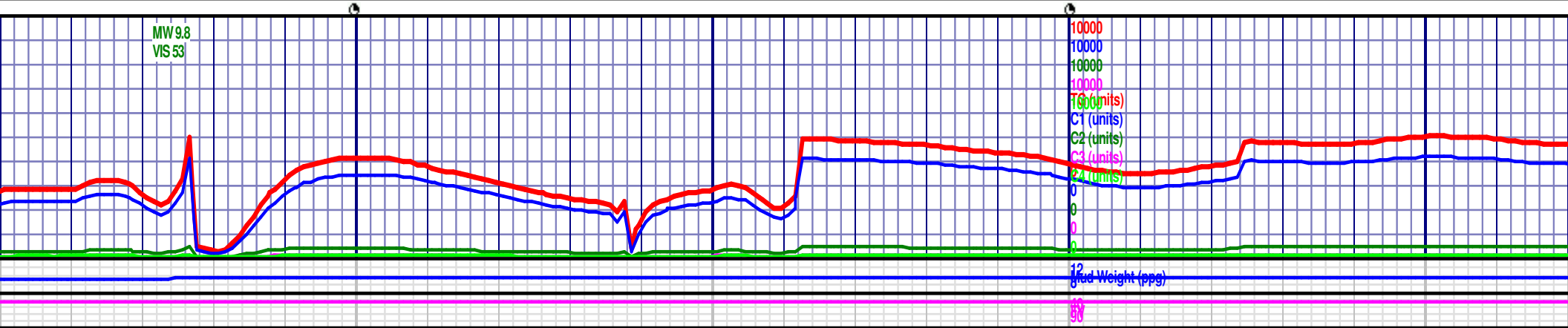
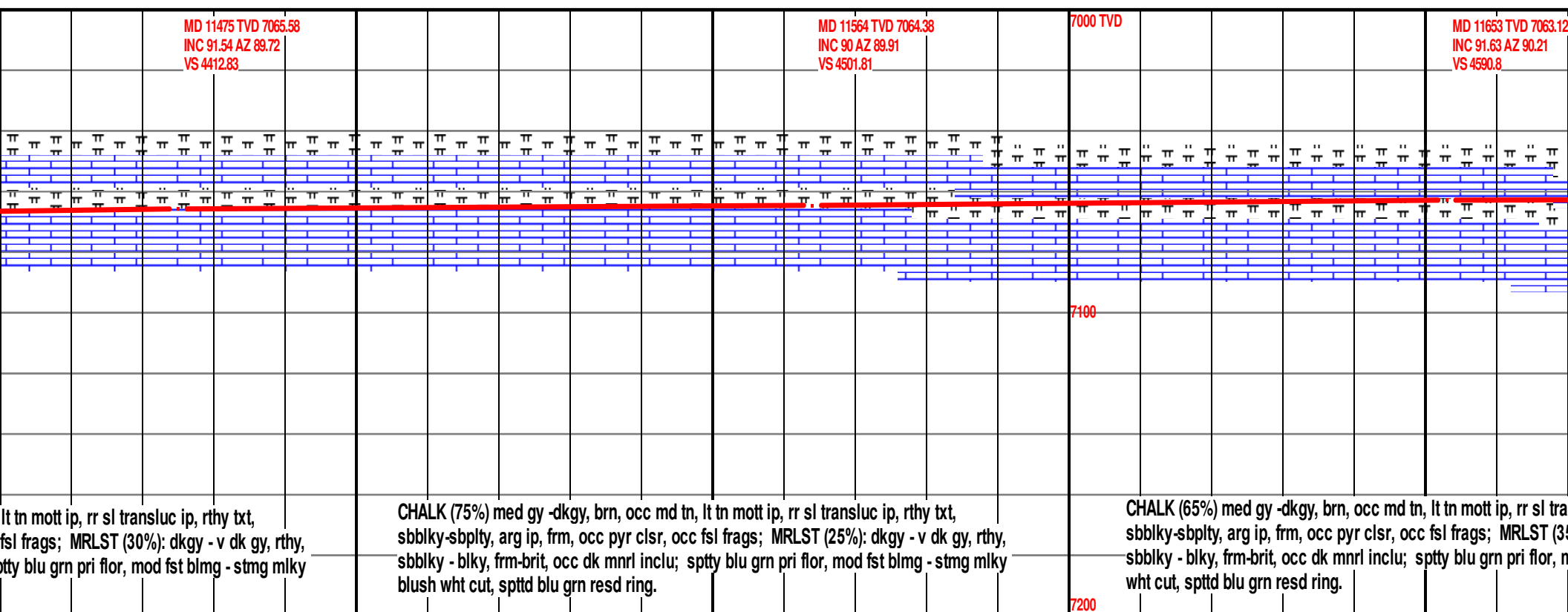
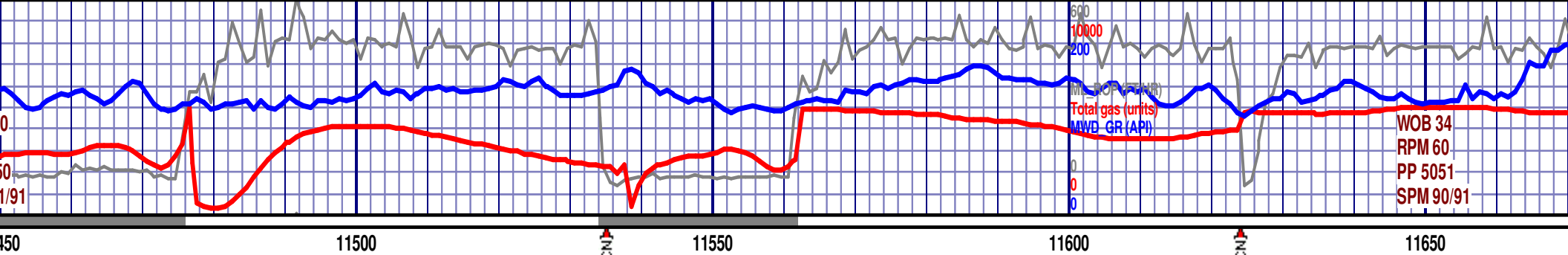


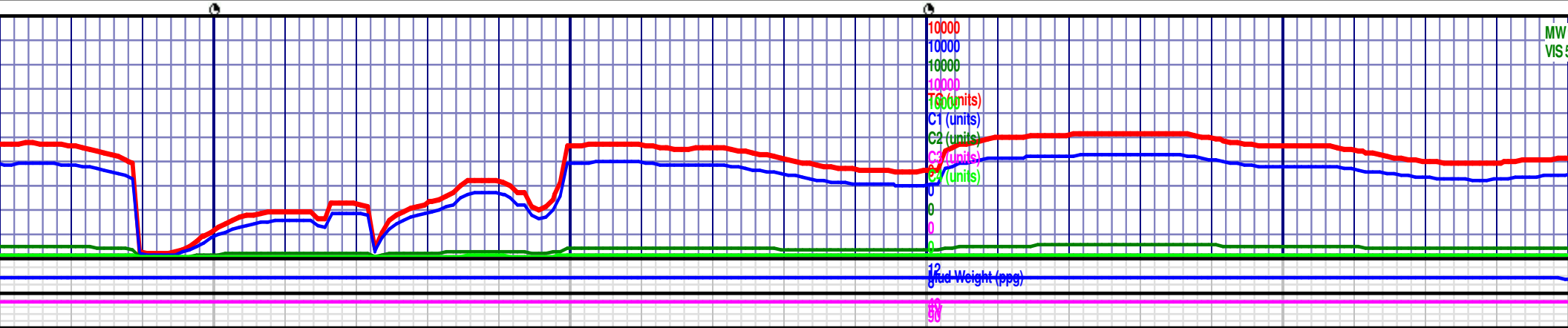
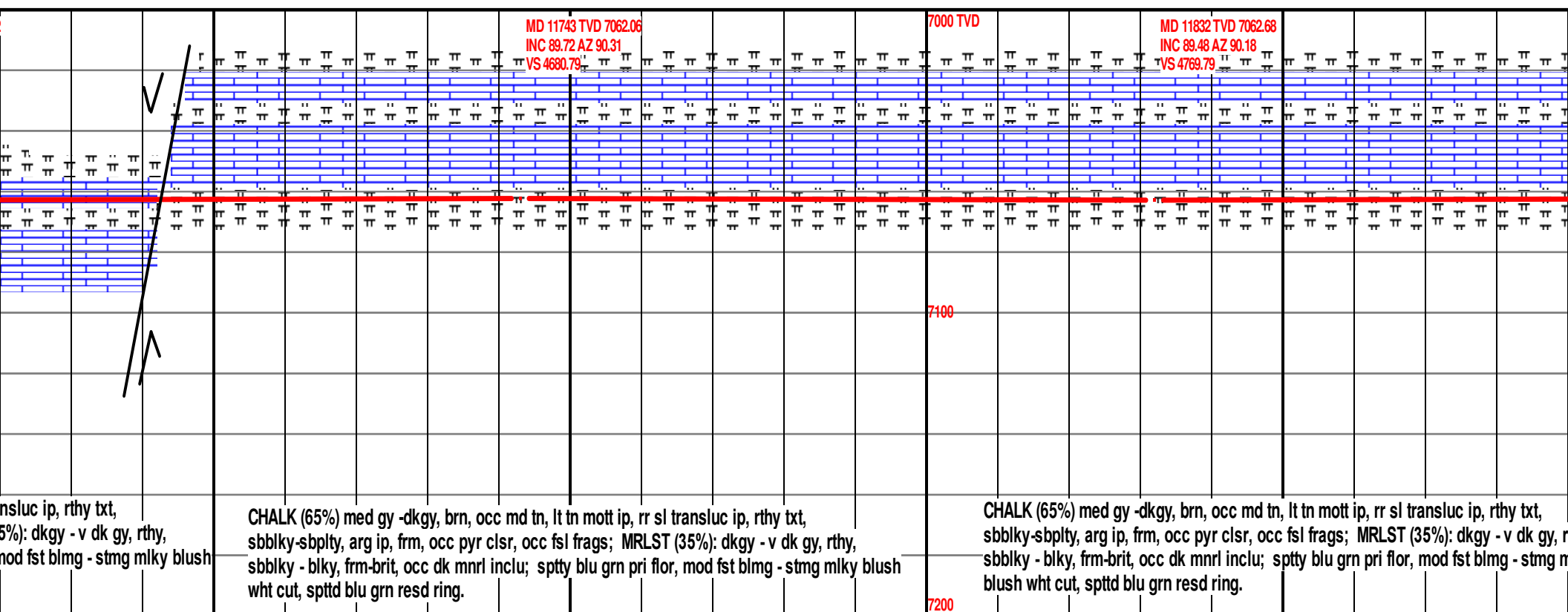
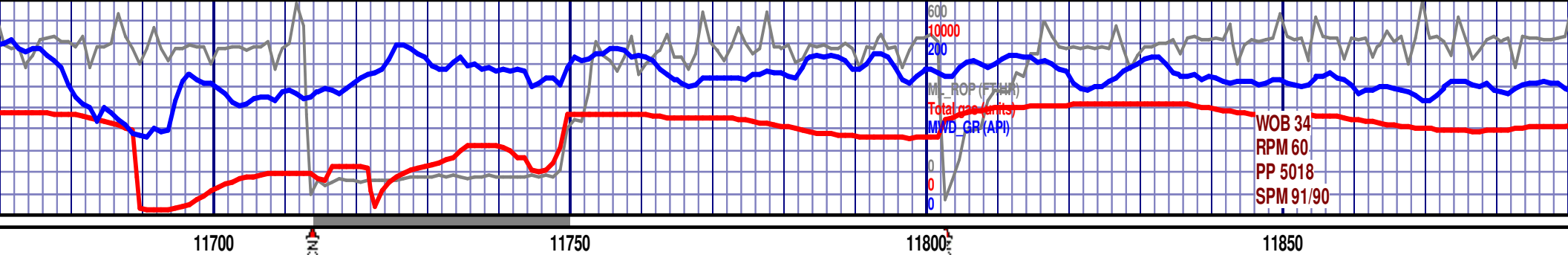


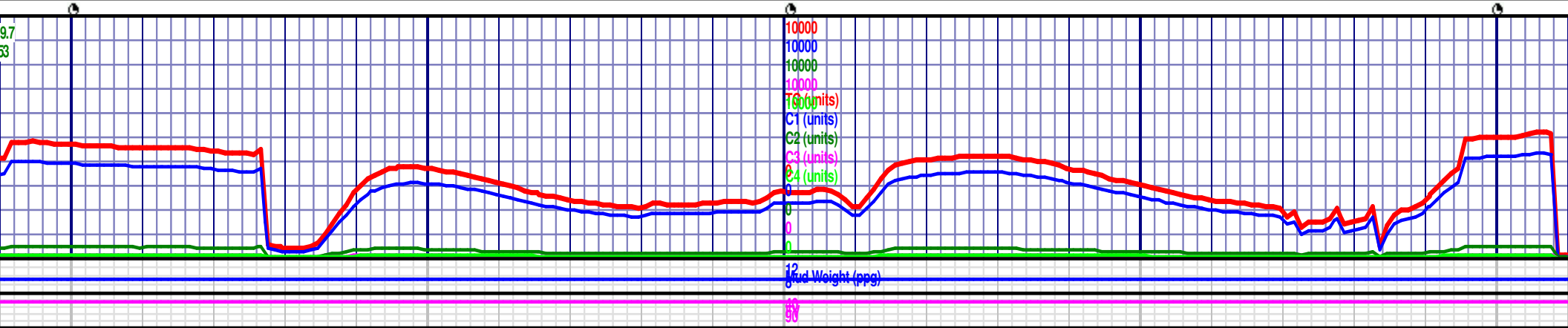
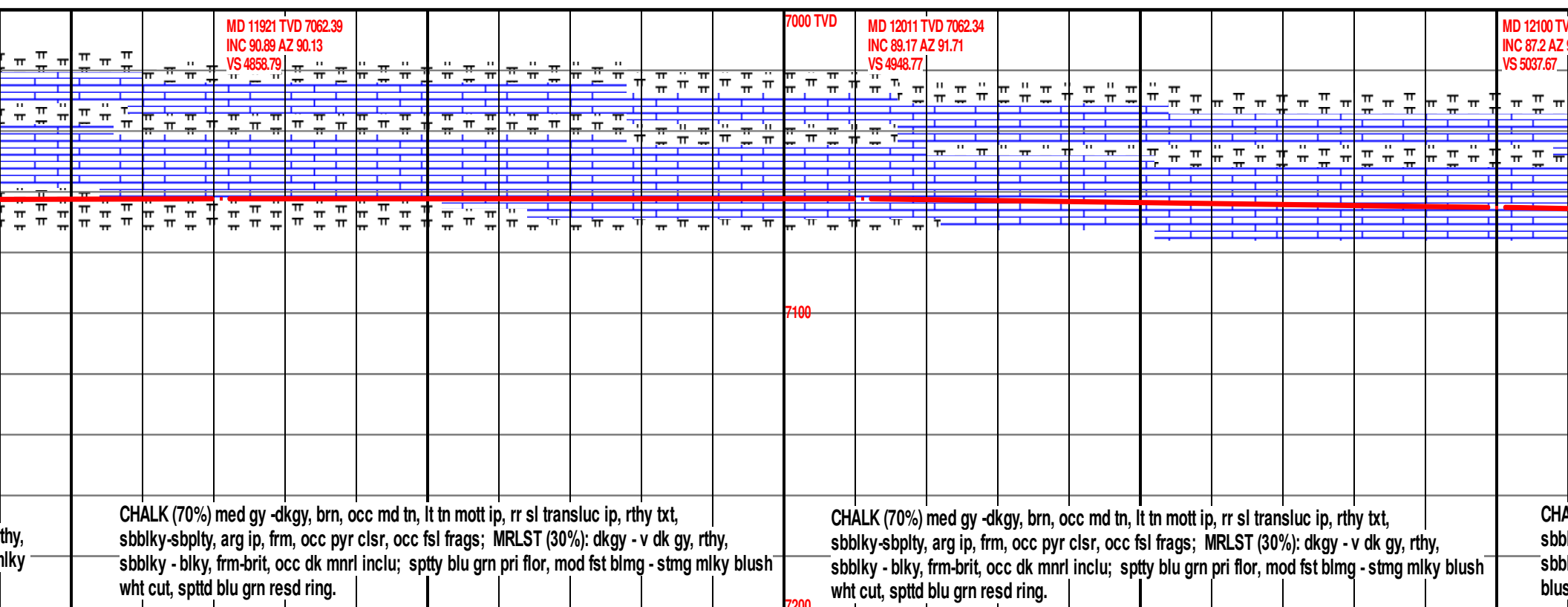
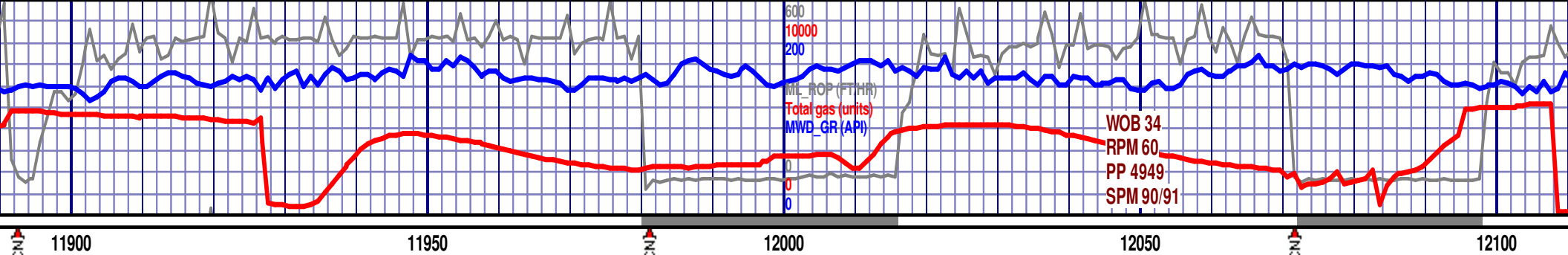
<p>MD 11027 TVD 7072.83 INC 90.89 AZ 89.66 VS 3964.98</p> <p>CHALK (80%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (20%): dkgy - v dk gy, rthy, blky - blky, frm-brit, occ dk mnrl inclu; sppty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spstd blu grn resd ring.</p>	<p>MD 11117 TVD 7072.18 INC 89.94 AZ 90.62 VS 4054.98</p> <p>CHALK (80%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (20%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit, occ dk mnrl inclu; sppty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spstd blu grn resd ring.</p>	<p>7000 TVD MD 11206 TVD 7072.25 INC 89.97 AZ 90.22 VS 4143.97</p> <p>CHALK (80%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (20%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit, occ dk mnrl inclu; sppty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spstd blu grn resd ring.</p>
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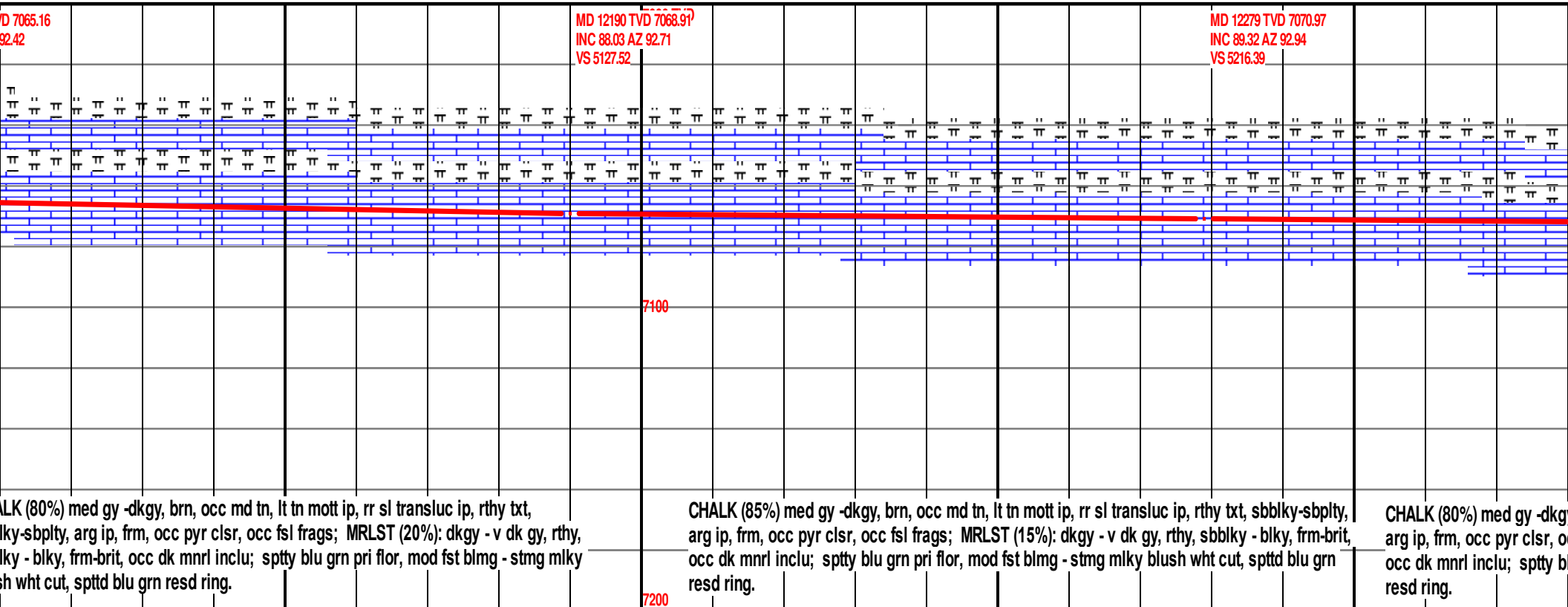
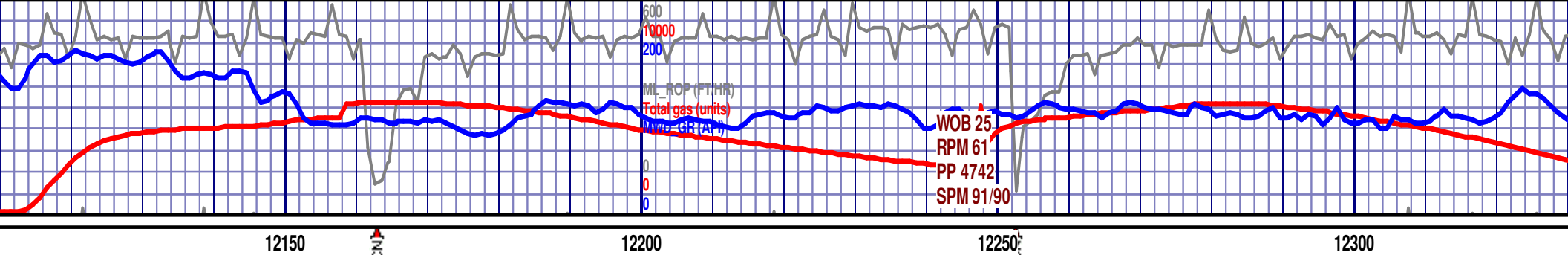








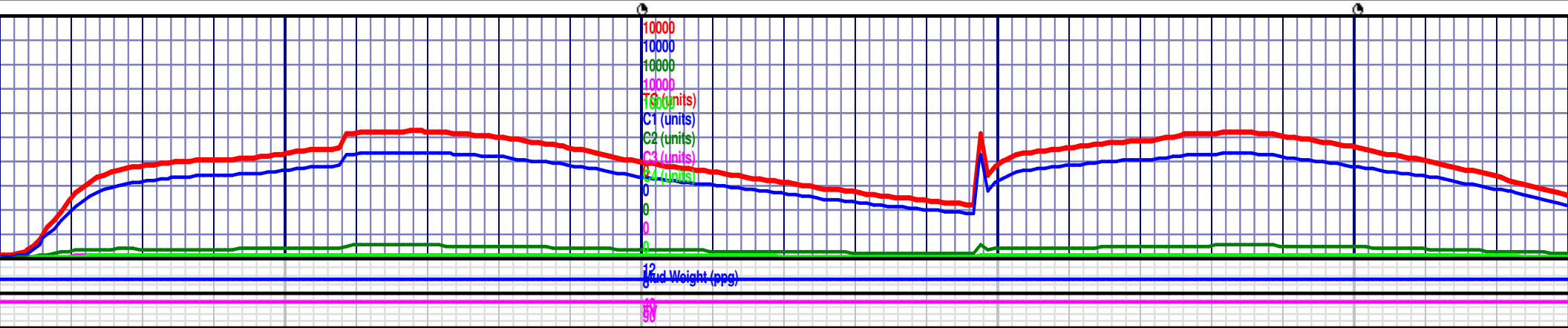


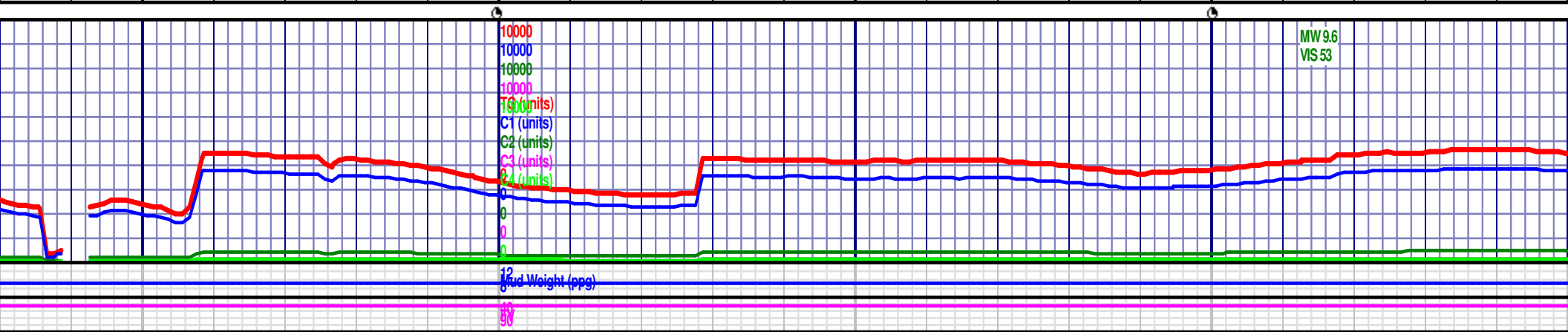
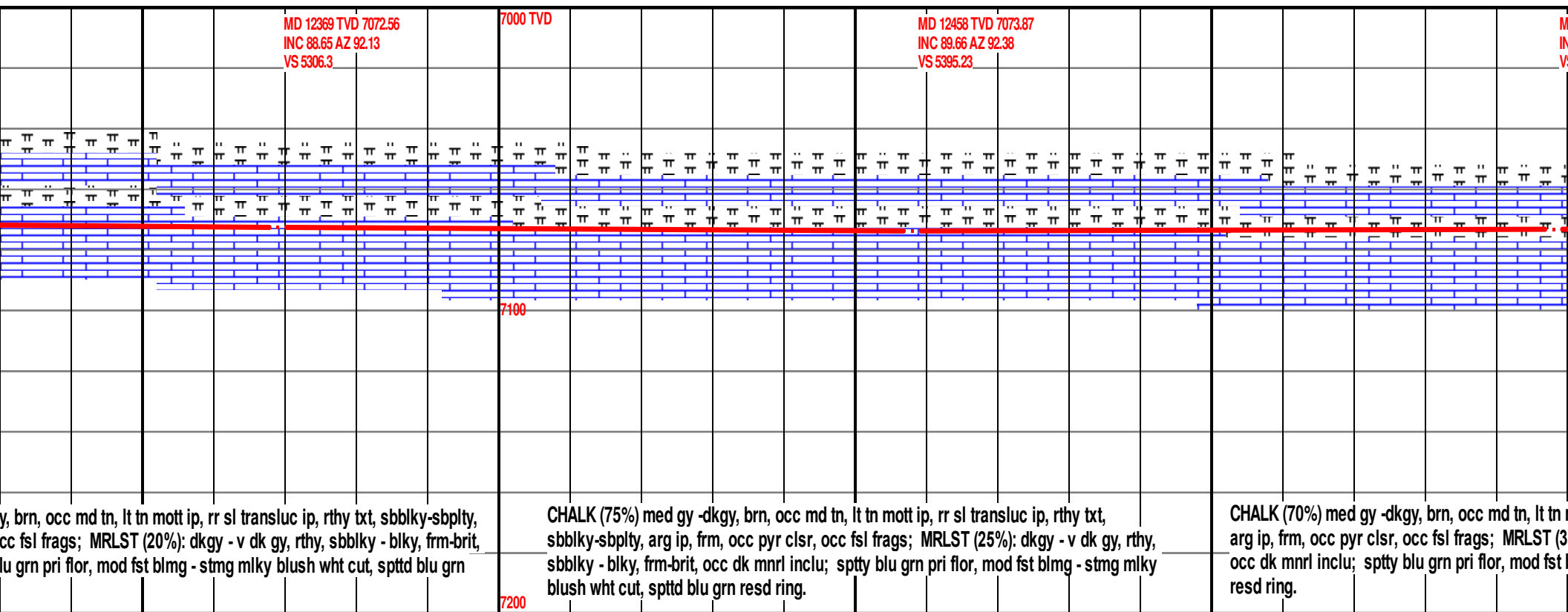


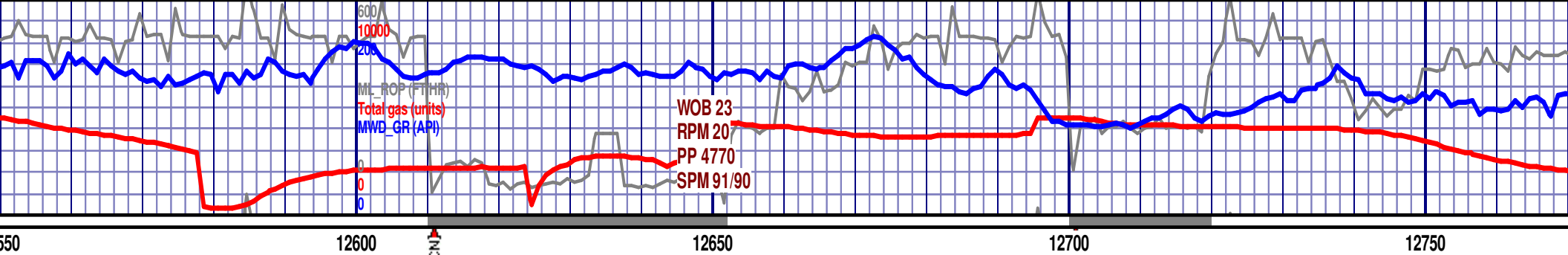
CHALK (80%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (20%): dkgy - v dk gy, rthy, blkgy - blkgy, frm-brit, occ dk mnrl inclu; sptty blu grn pri flor, mod fst blmg - stmg milky blsh wht cut, spttd blu grn resd ring.

CHALK (85%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, sblbky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (15%): dkgy - v dk gy, rthy, sblbky - blkgy, frm-brit, occ dk mnrl inclu; sptty blu grn pri flor, mod fst blmg - stmg milky blsh wht cut, spttd blu grn resd ring.

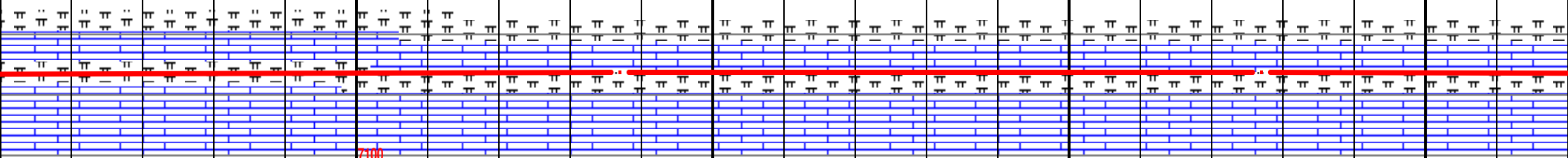
CHALK (80%) med gy -dkgy, brn, occ md tn, lt tn mott ip, rr sl transluc ip, rthy txt, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (20%): dkgy - v dk gy, rthy, blkgy - blkgy, frm-brit, occ dk mnrl inclu; sptty blu grn pri flor, mod fst blmg - stmg milky blsh wht cut, spttd blu grn resd ring.



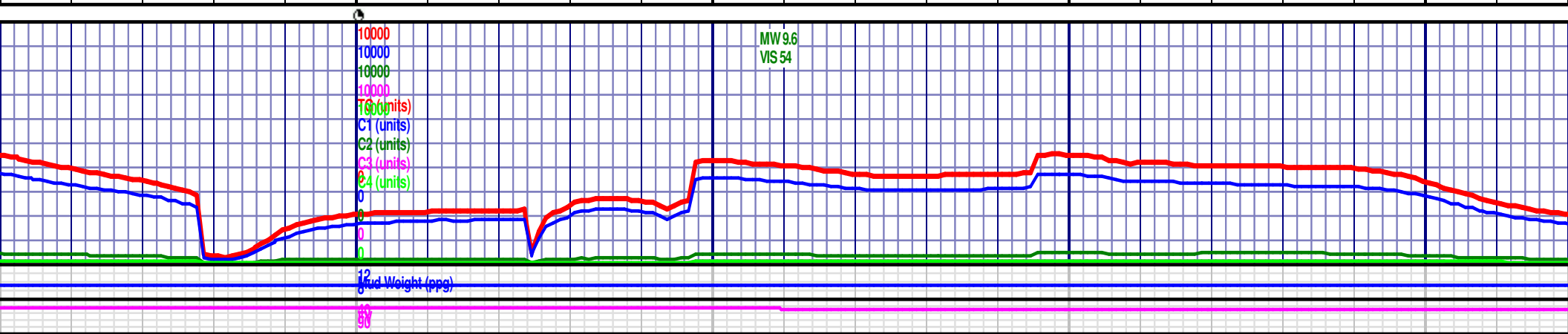




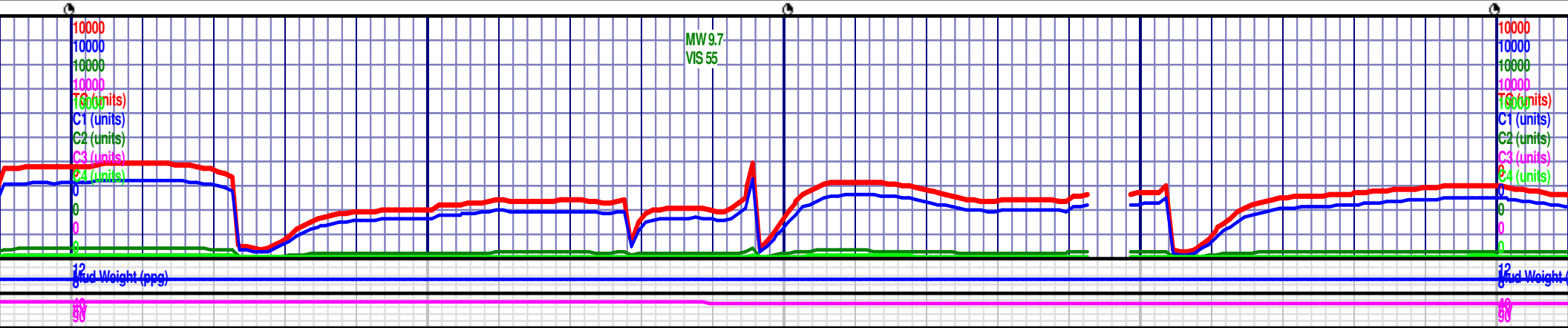
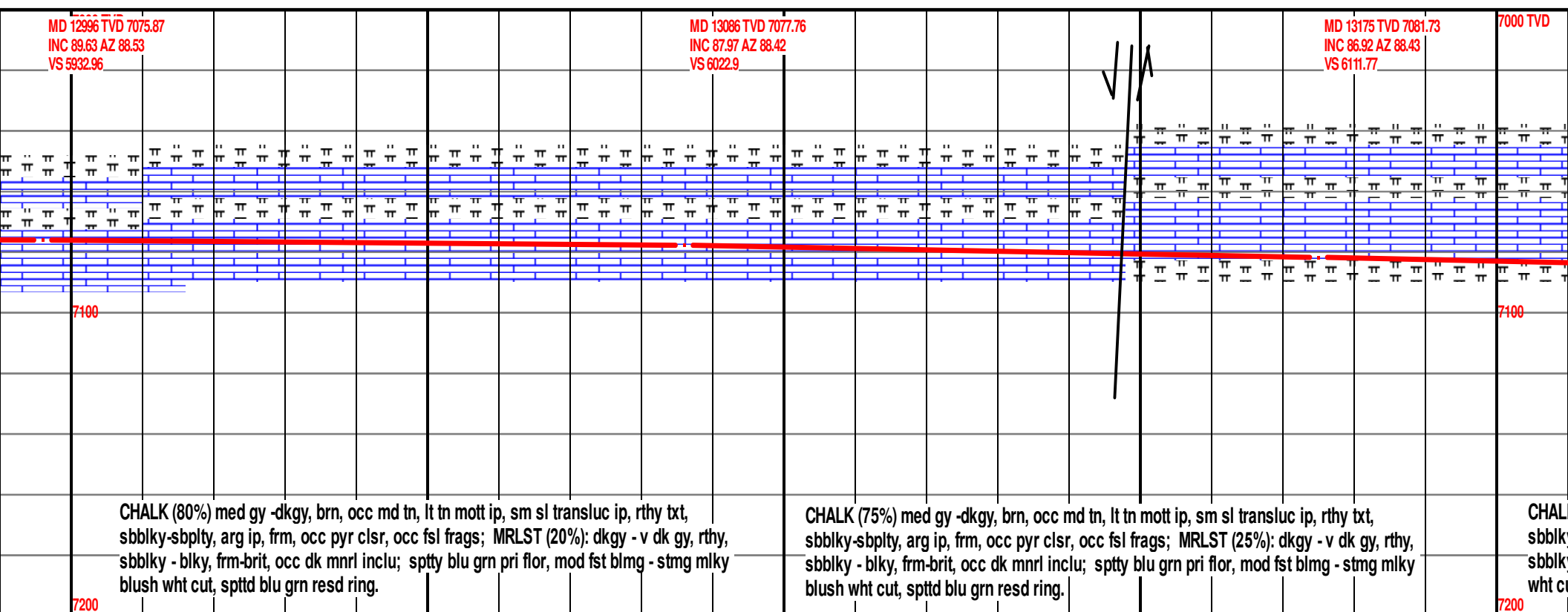
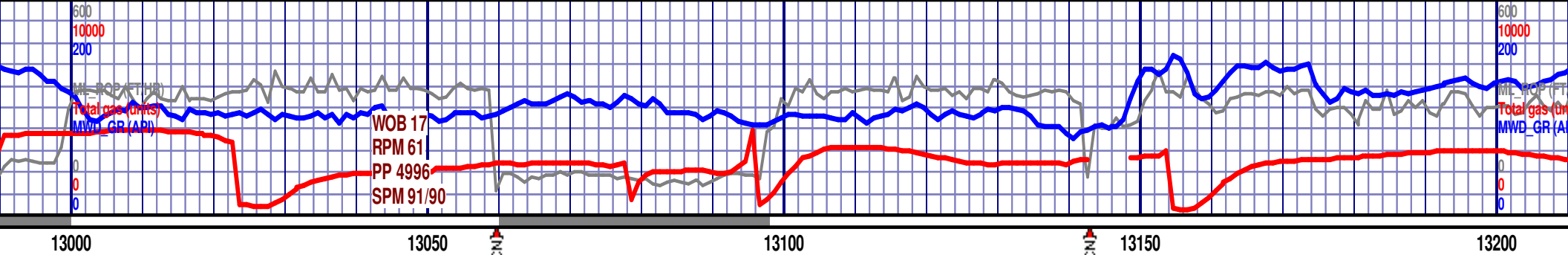
MD 12548 TVD 7073.34 INC 91.02 AZ 92.16 S 5485.17	7000 TVD	MD 12637 TVD 7072.45 INC 90.12 AZ 89.12 VS 5574.15	MD 12727 TVD 7072.41 INC 89.94 AZ 88.44 VS 5664.12
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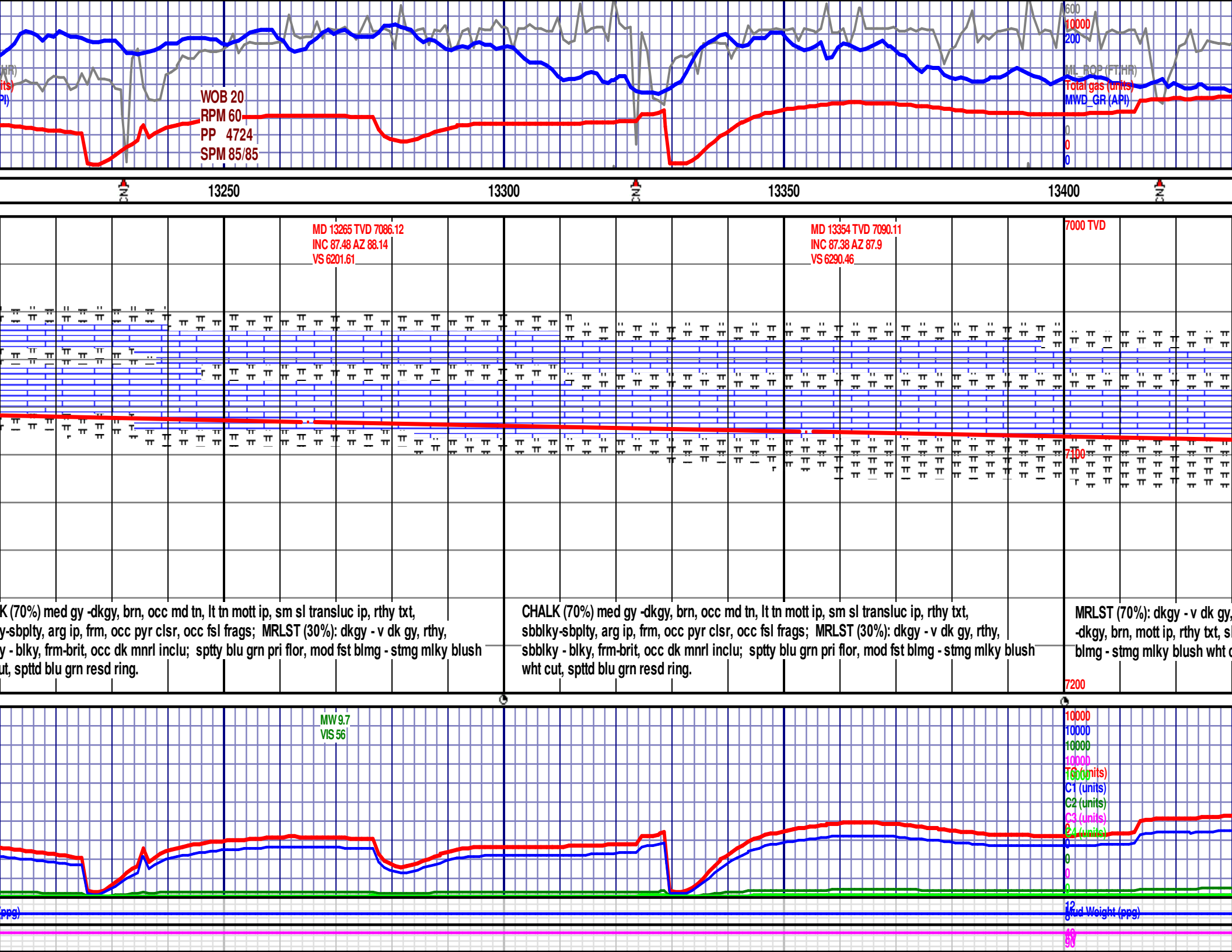


mott ip, rr sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (25%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit, occ dk mnrl inclu; spty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.	CHALK (75%) med gy -dkgy, brn, occ md tn, lt tn mott ip, sm sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (25%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit, occ dk mnrl inclu; spty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.	CHALK (75%) med gy -dkgy, brn, occ md tn, lt tn mott ip, sm sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm, occ pyr clsr, occ fsl frags; MRLST (25%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit, occ dk mnrl inclu; spty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.
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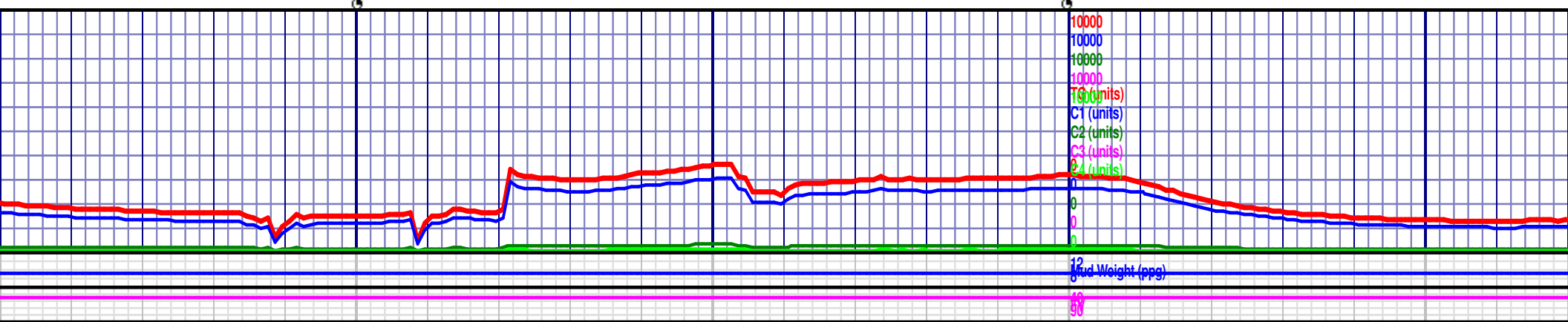
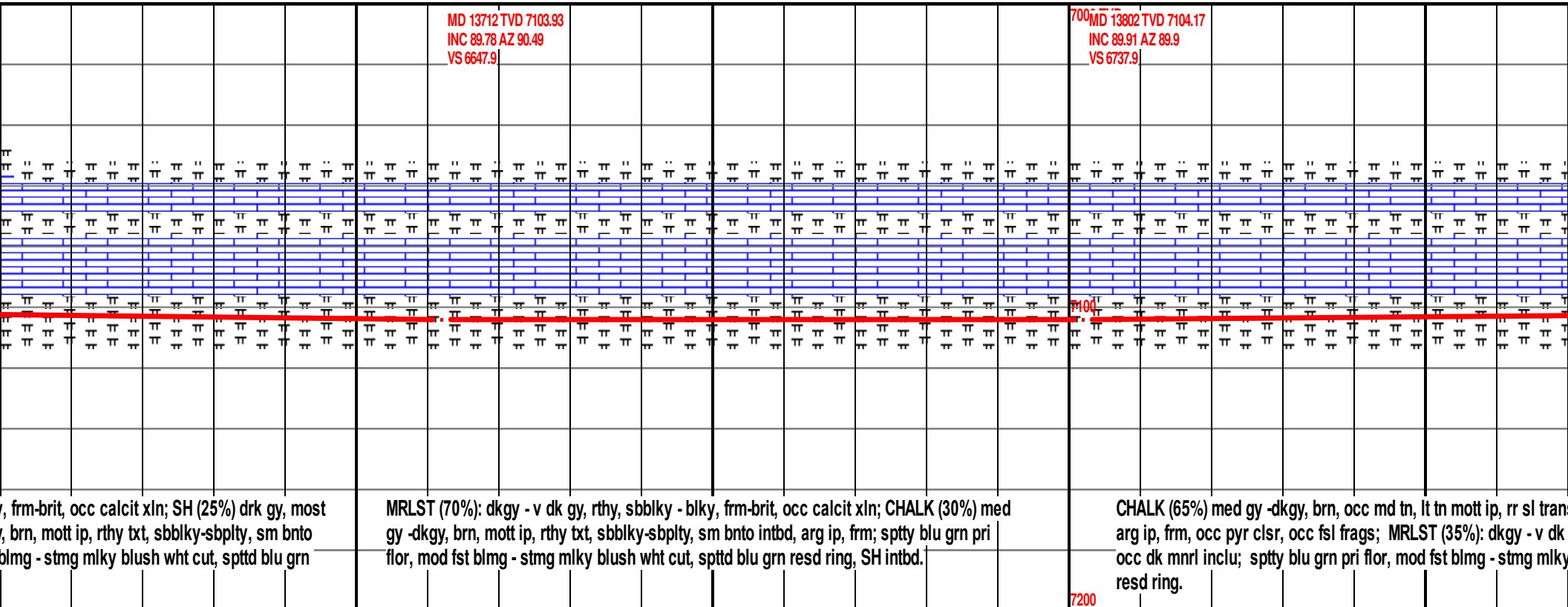
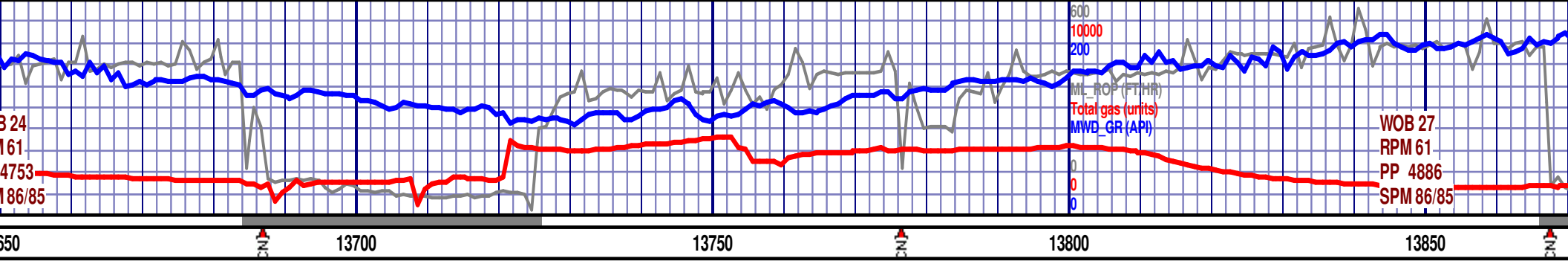






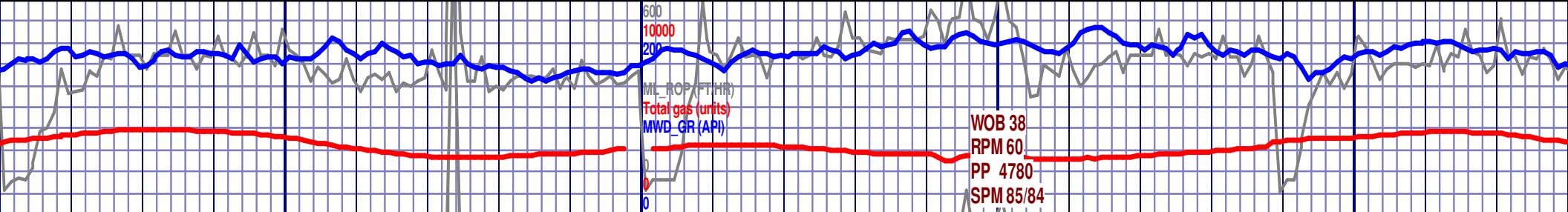




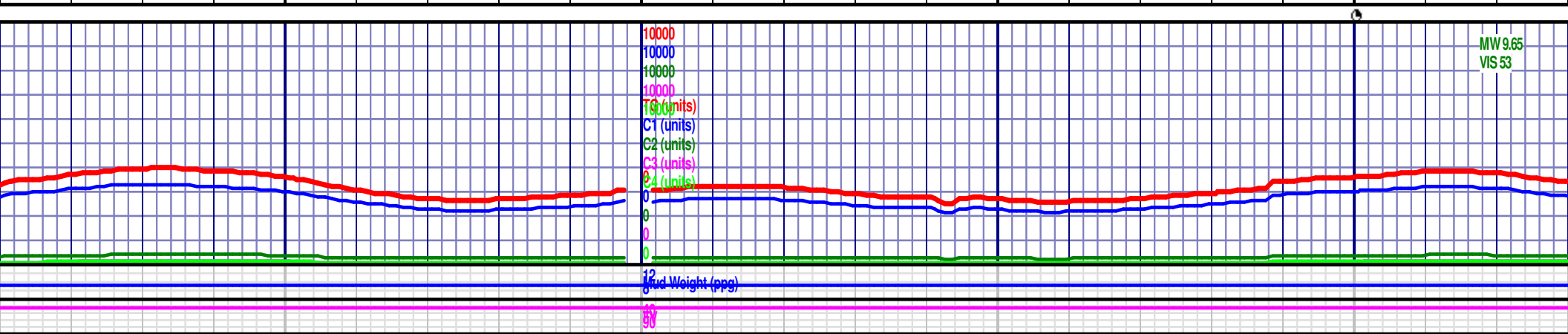
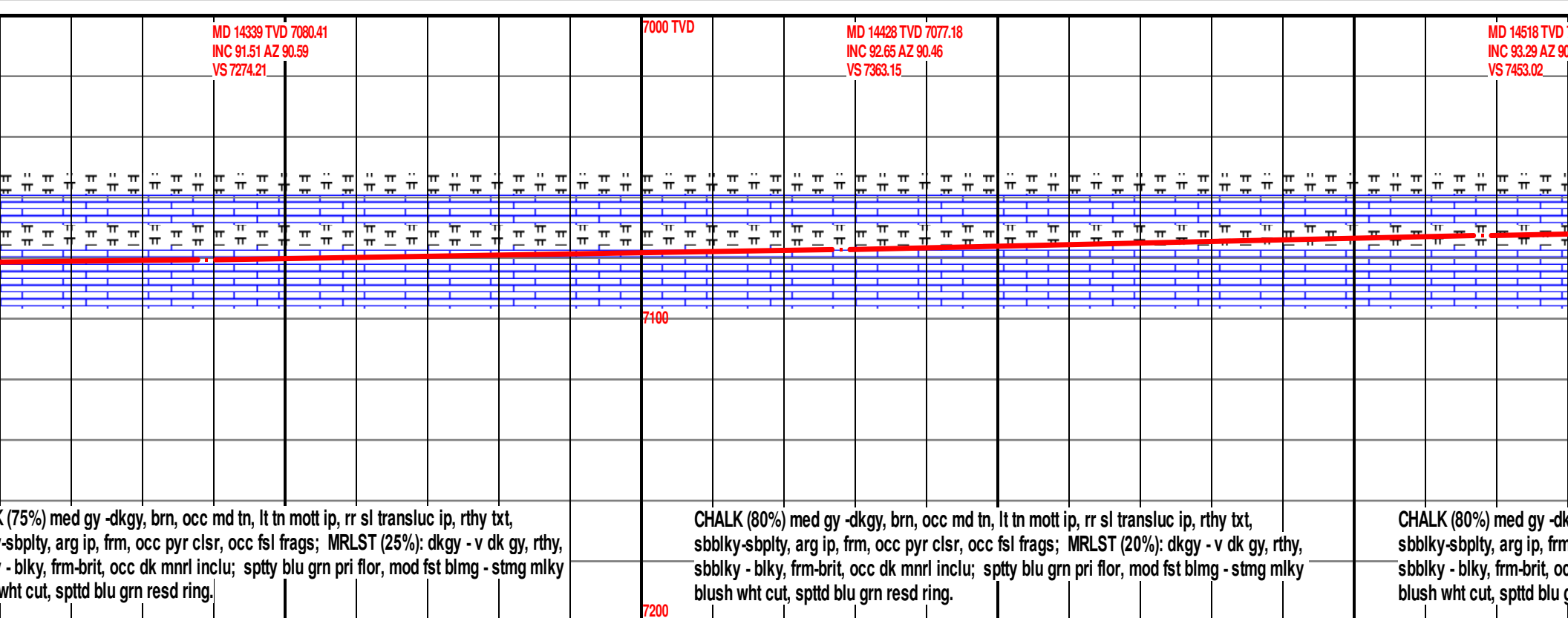


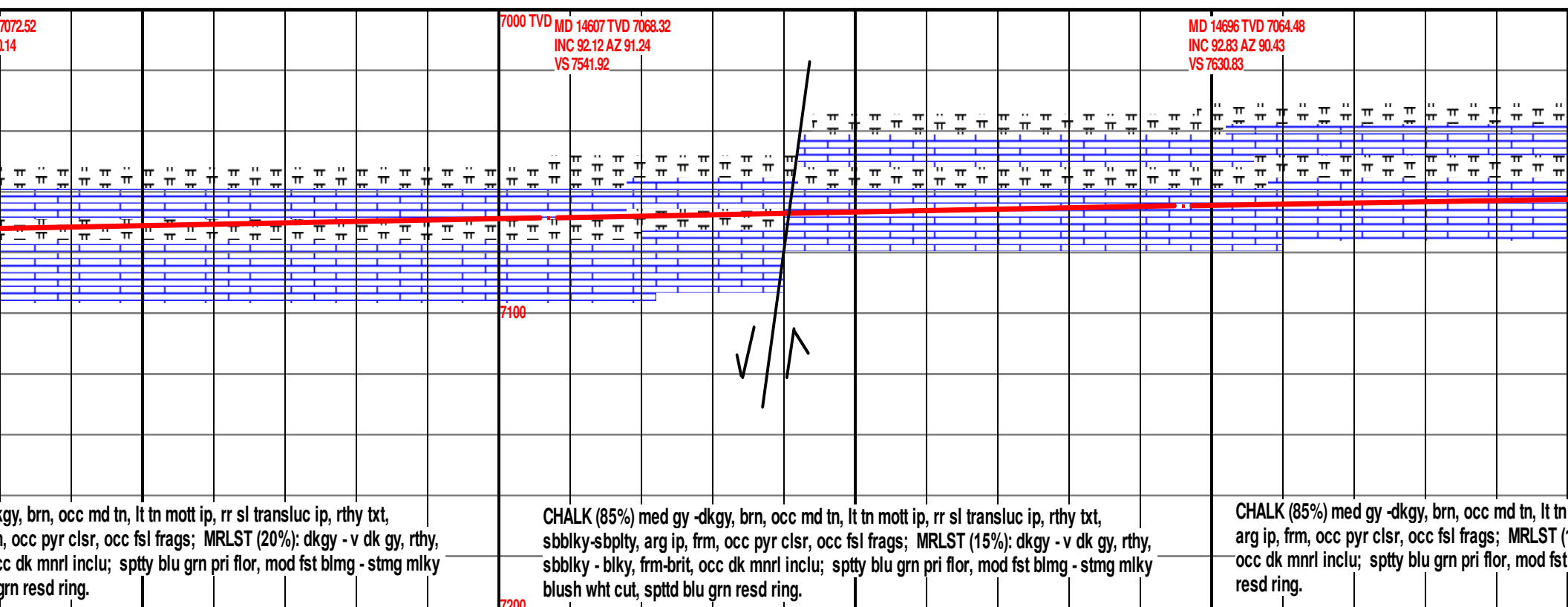


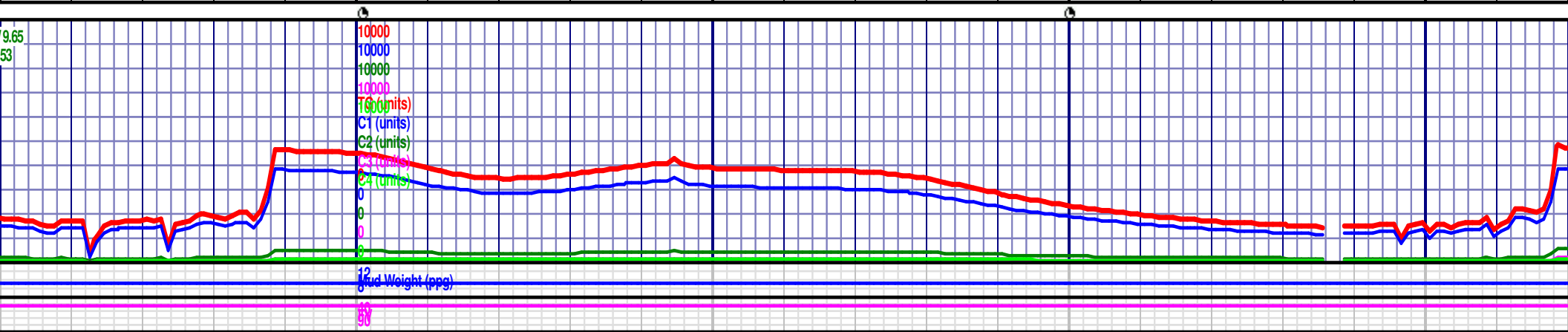
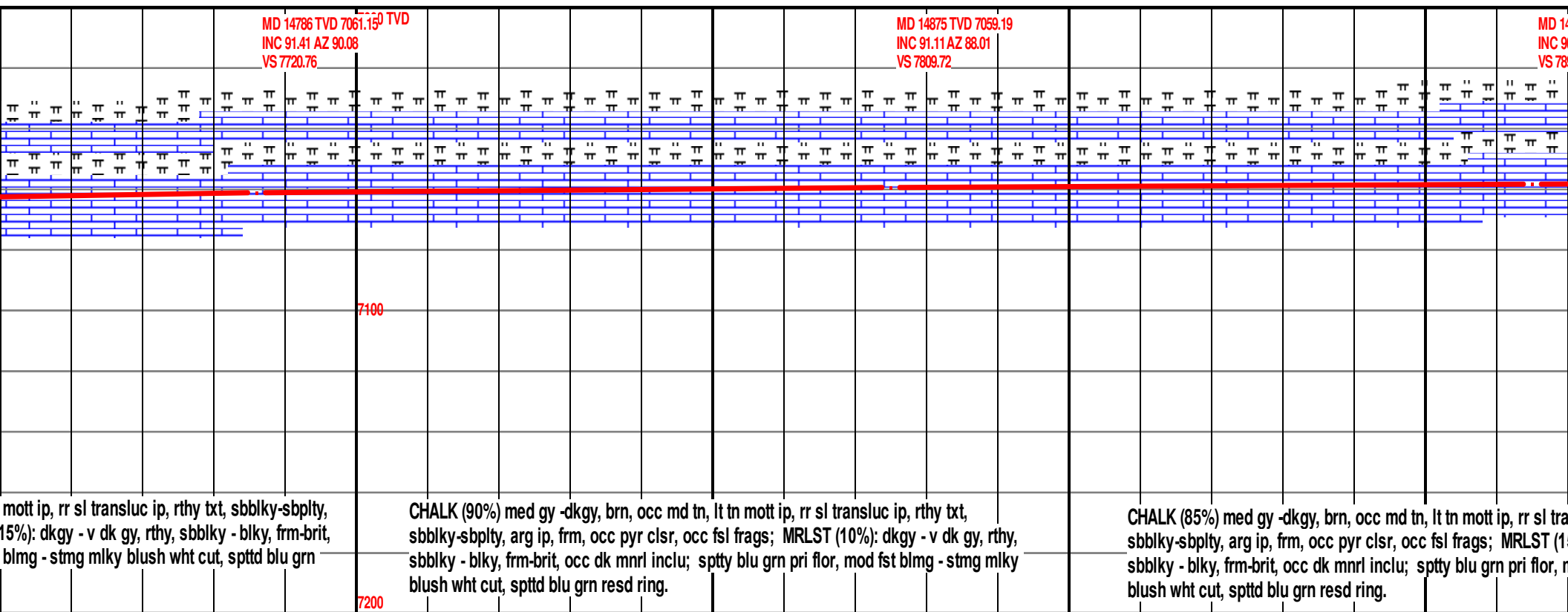




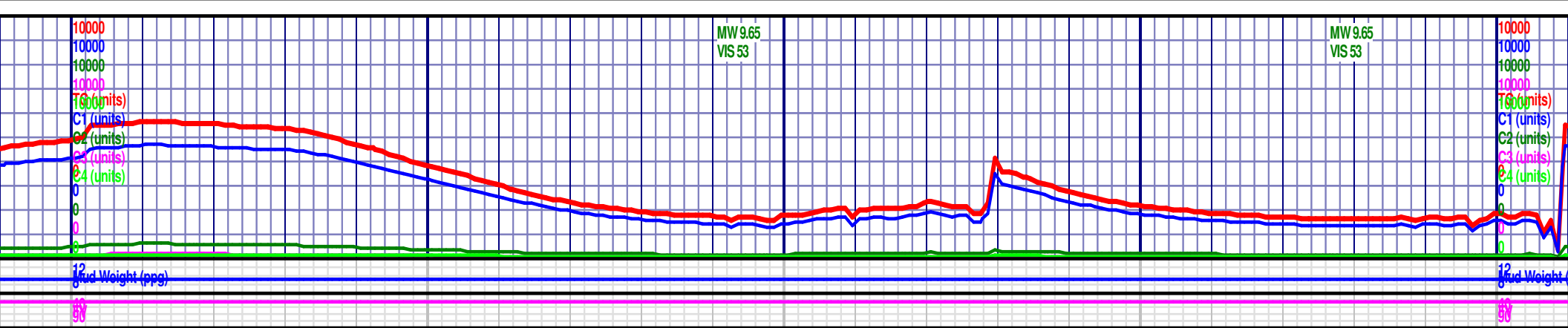
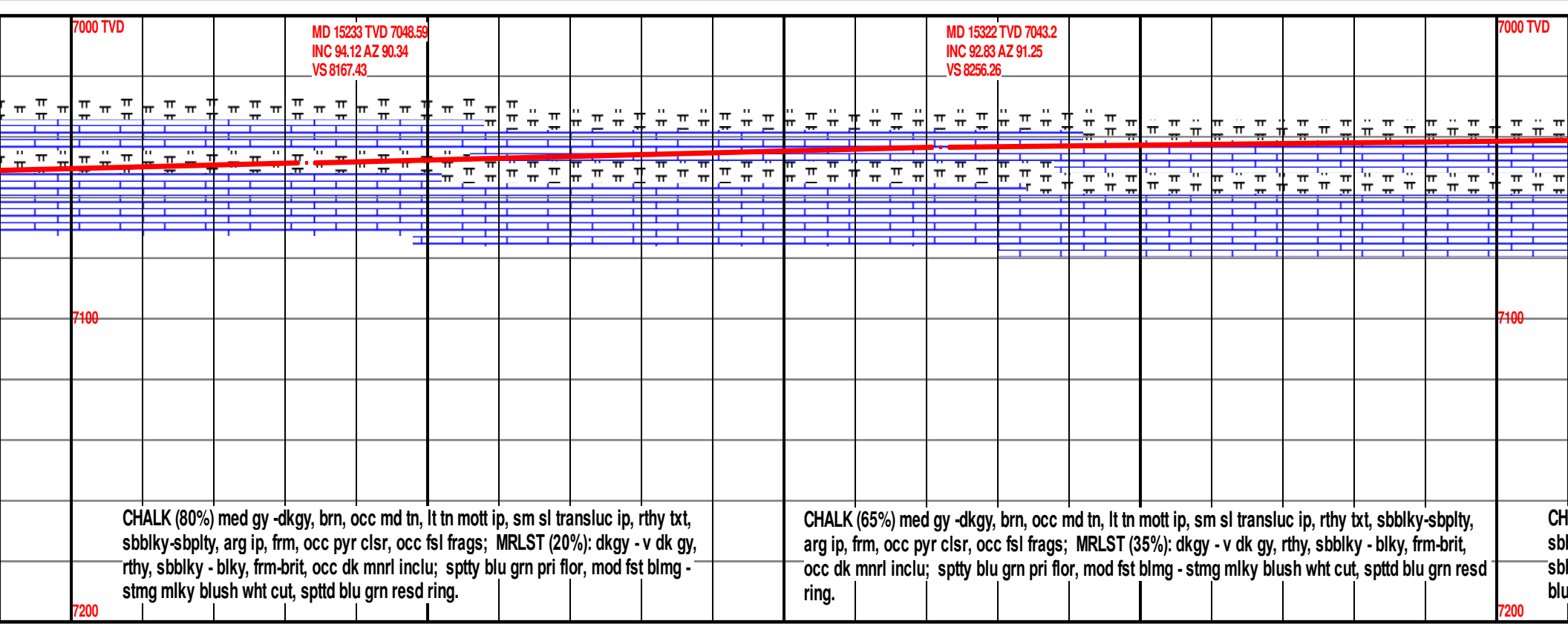
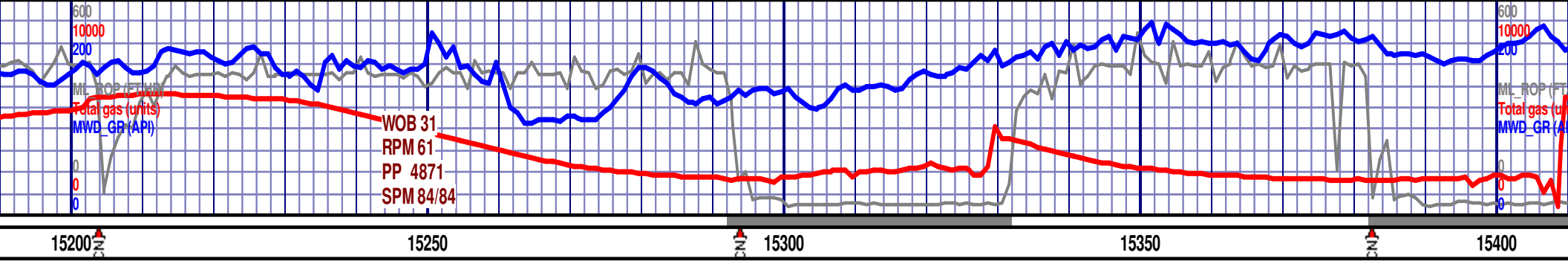
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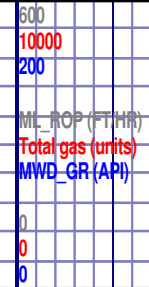












15800

7000 TVD

—TD of 15,714' MD reached at—  
09:45 on 8/05/2018

### Formation Tops.

MD	TVD	SSD
7668'	6841'	-2097'
7726'	6880'	-2136'
7990'	7011'	-2267'
8085'	7038'	-2294'

7100

dkgy, brn, occ md tn, lt tn mott ip, sm sl transluc ip, rthy txt, sbblky-sbply, arg ip, frm,  
ags; MRLST (30%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit, occ dk mnrl inclu; sppty  
blmg - stmg milky blush wht cut, spptd blu grn resd ring.

**Thank You**  
**Goolsby Brothers & Assoc. Inc**

7200

