

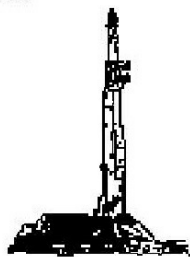
GOOLSBY BROTHERS and associates, inc.

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



Geological Wellsite
Supervision

www.goolsbybrothers.com



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

Well Name: Troudt 8N-23B-M

API: 051234623900

Location: NE/NW Section 27, T6N R66W, Weld County, CO.

License Number:

Spud Date: Sep 07, 2018

Region: Wattenberg

Drilling Completed: Sep 10, 2018

Surface Coordinates: 760' FNL 1730' FWL NE/NW Sec. 27 T6N R66W

Lat/Long: 40.464592N / -104.767153W

Bottom Hole Planned: 556' FSL 510' FE, Sec. 23, T6N R66W

Coordinates:

Ground Elevation (ft): 4,720'

K.B. Elevation (ft): 4,744'

Logged Interval (ft): 6,900' To: 14,900' Total Depth (ft): 14,900' DMTD

Formation: Niobrara B Chalk

Type of Drilling Fluid: OBM (LSND Surface).

Printed by HorizontalLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: SRC Energy, Inc

Geologist: Nick Argis

Address: 1675 Broadway, Suite 2600

Denver, Colorado 80202

(720) 616-4300

GEOLOGIST

Name: Blake Stacey & Tekabe Gedamu

Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)

Address: 575 Union Blvd. Suite 208,

Lakewood CO. 80228

Tel 303-618-7736

E-logs

MWD GR from S.C. to 14,890' MD

Casing



9 5/8" Surface Casing pre set @ 1,851' MD.

5 1/2" Production Liner set @ 14,884' on 9/11/2018.






































































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, Joseph
MWD: Garrett Gerdson, Baker Remote Field Operations.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)






















ROCK TYPES

	Bent		Dol		Mrlst_sh (intbdd)		Carb sh
	Cht		Lmst		Shale		Ss
	Clyst		Chalk		Shgy		Sltst
	Oil sat.		Mrlst		Silty sh		

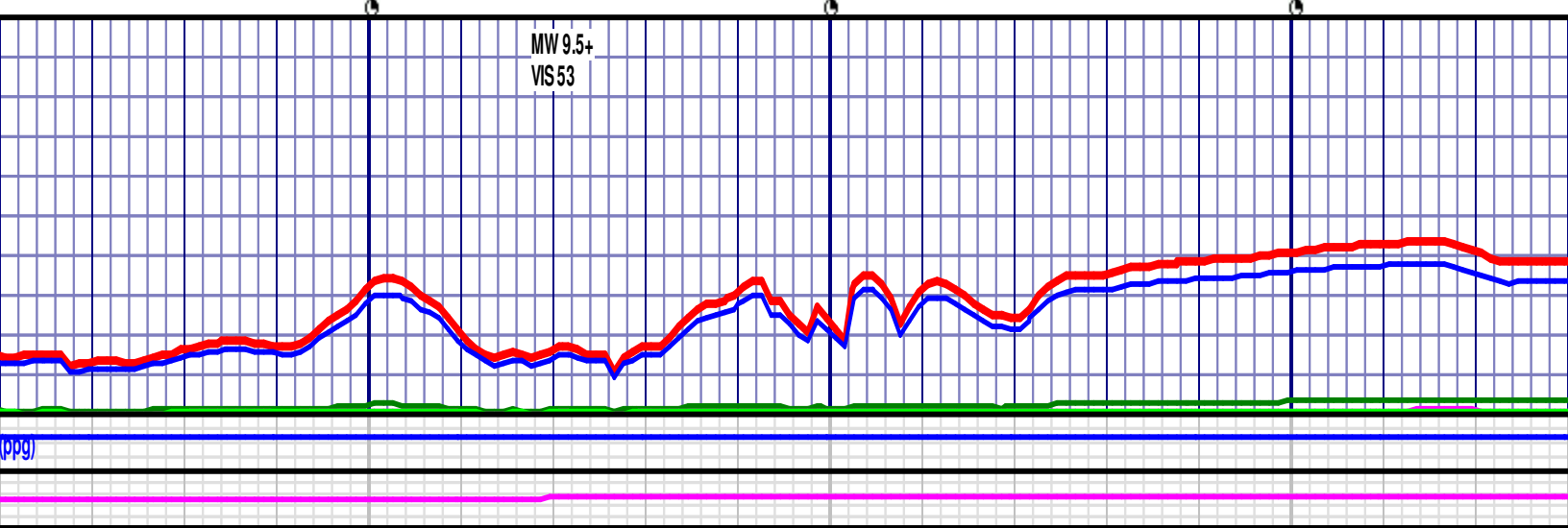
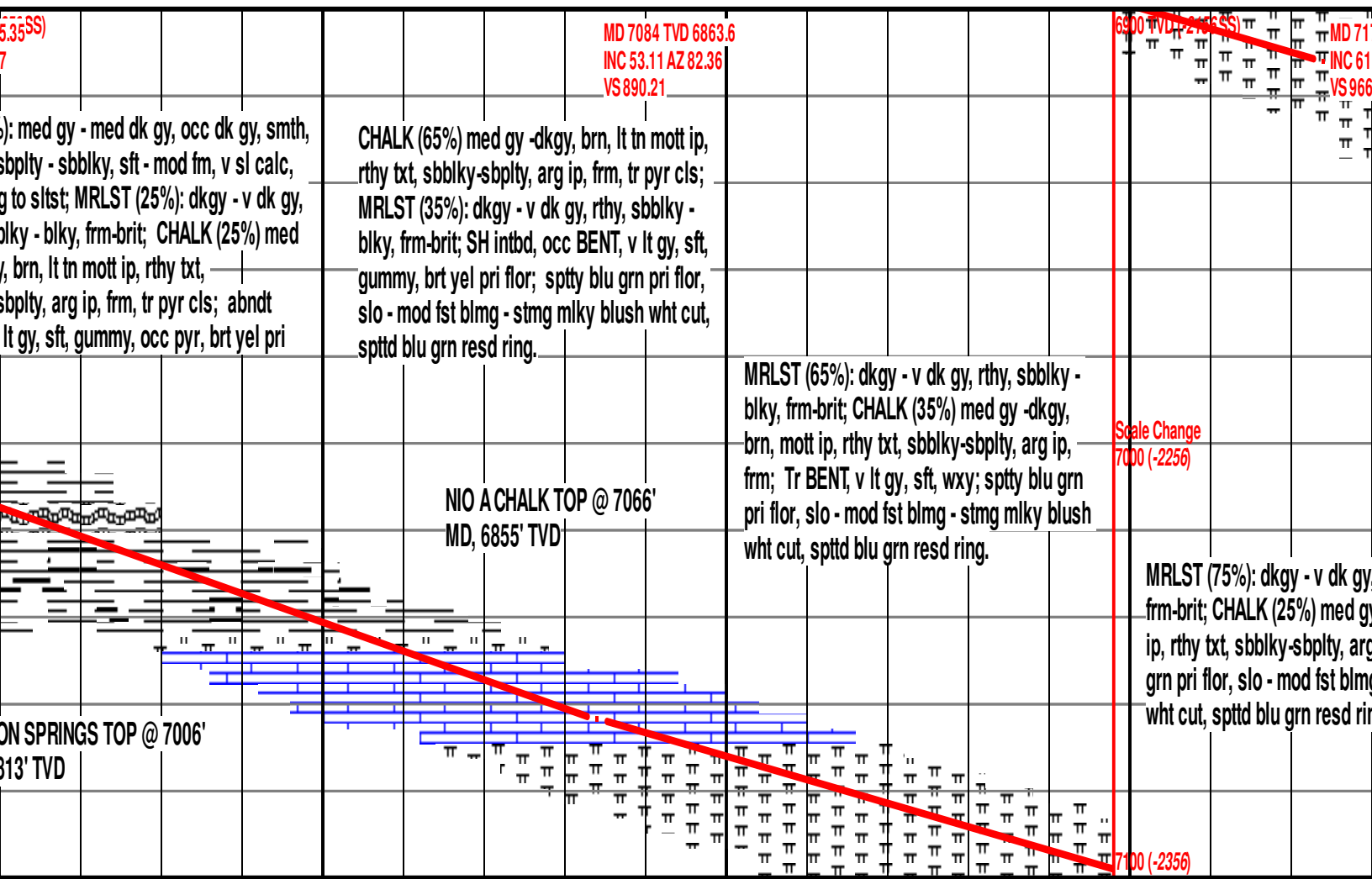
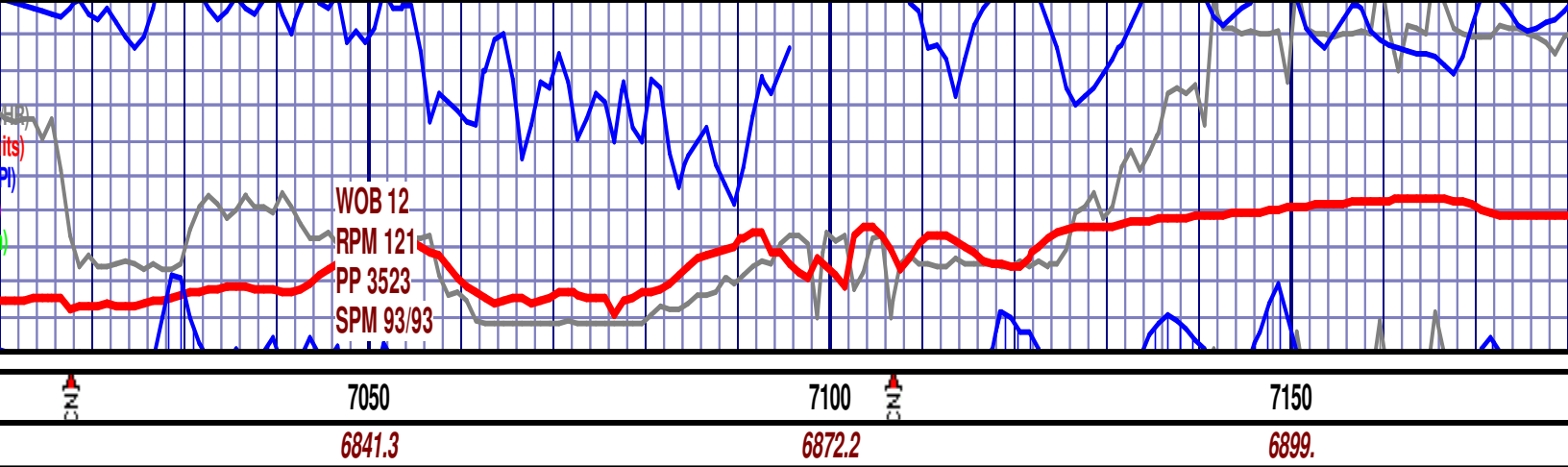
ACCESSORIES

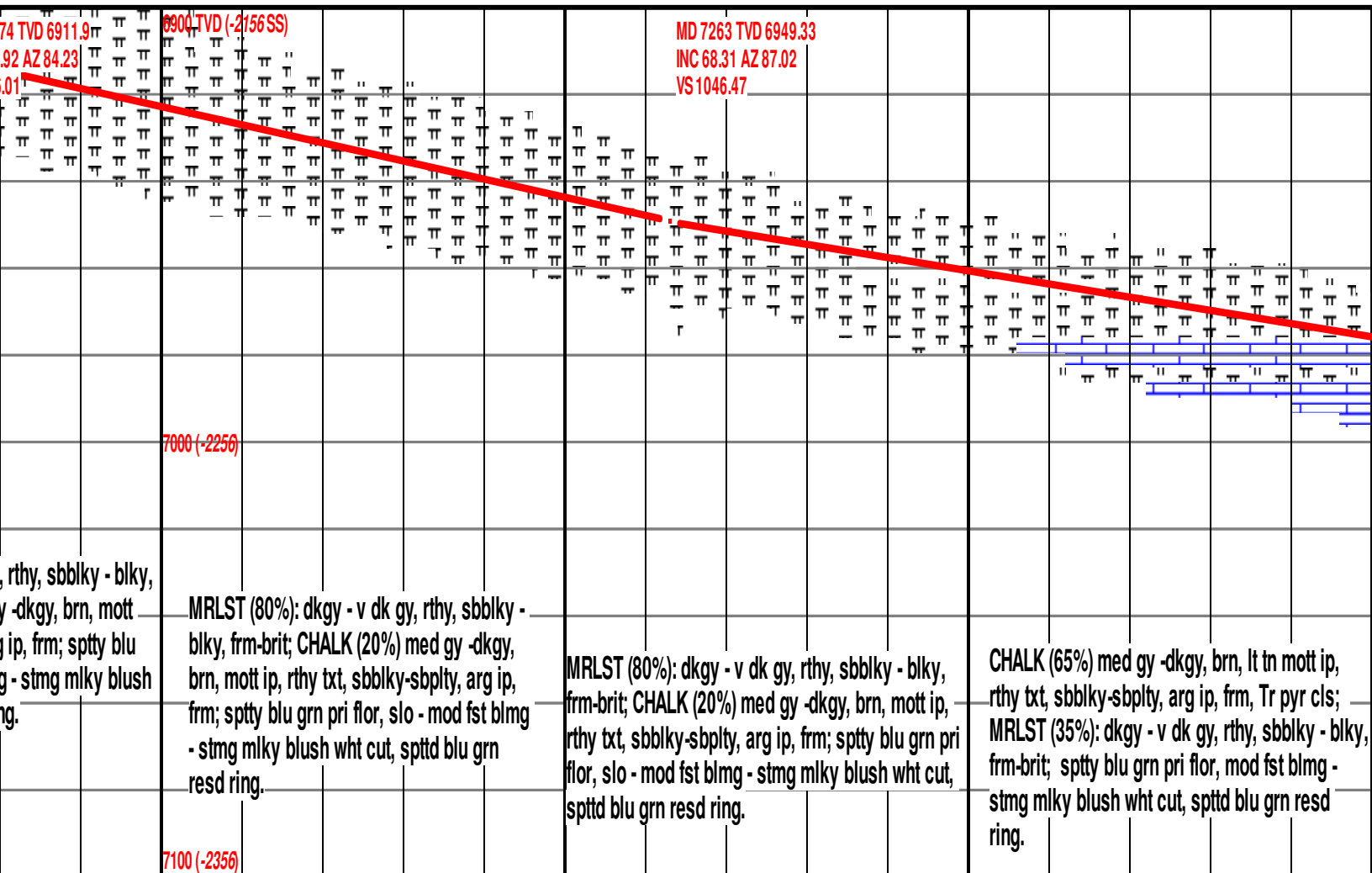
MINERAL							
	Anhy		Marl		Cephal		Bent
	Arggrn		Minxl		Coral		Dol
	Arg		Nodule		Crin		Ls
	Bent		Phos		Echin		Mrst
	Bit		Pyr		Fish		Sltstrg
	Brecfrag		Salt		Foram		Ssstrg
	Calc		Sandy		Fossil		
	Carb		Silt		Gastro	TEXTURE	
	Chtdk		Sil		Oolite		Boundst
	Chtlt		Sulphur		Ostra		Chalky
	Dol		Tuff		Pelec		Cryxln
	Feldspar	FOSSIL			Pellet		Earthy
	Ferrpel		Algae		Pisolite		Finexln
	Ferr		Amph		Plant		Grainst
	Glau		Belm		Strom		Lithogr
	Gyp		Bioclst	STRINGER			Microxln
	Hvymin		Brach		Chlkstg		Mudst
	Kaol		Bryozoa		Arg		Packst
							Wackest

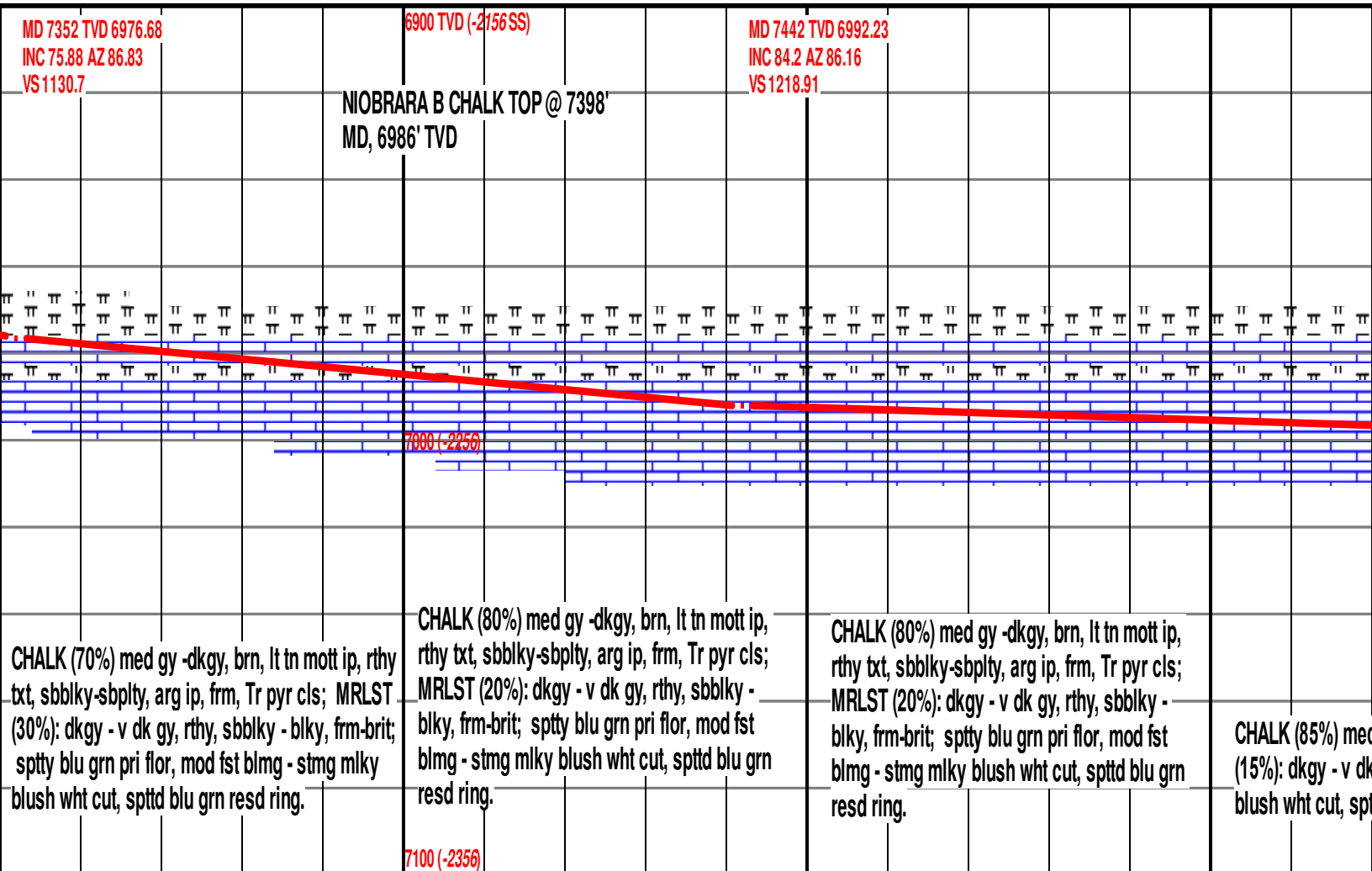
OTHER SYMBOLS

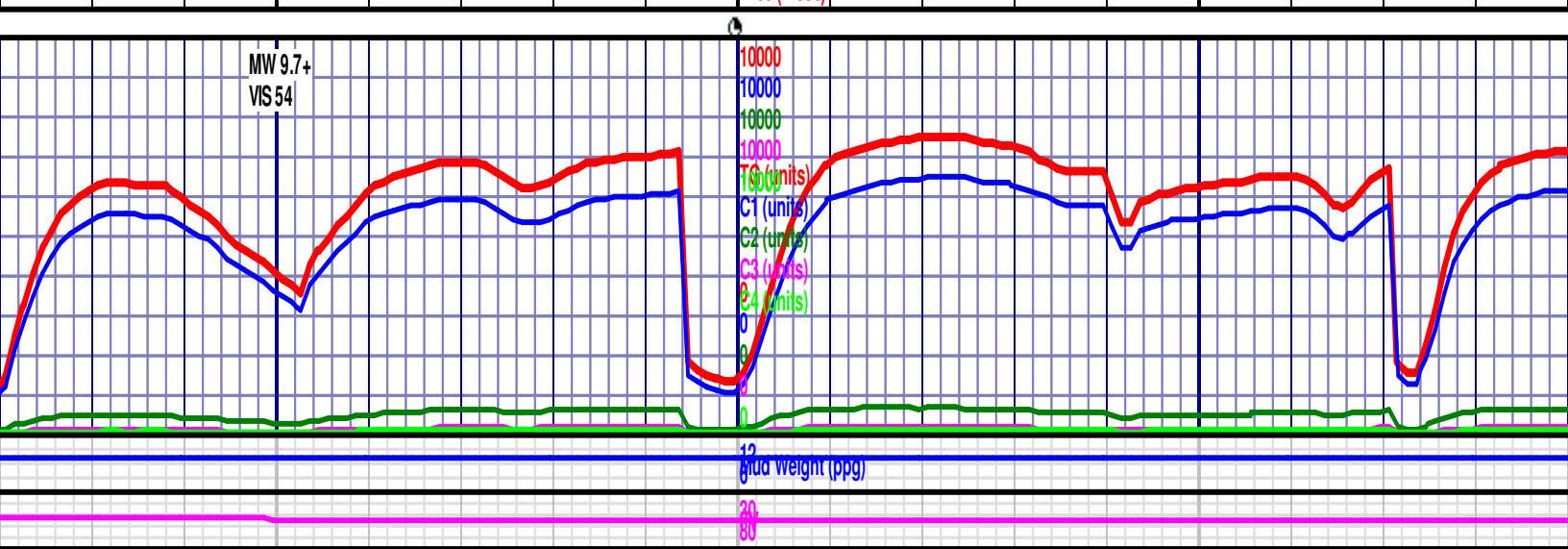
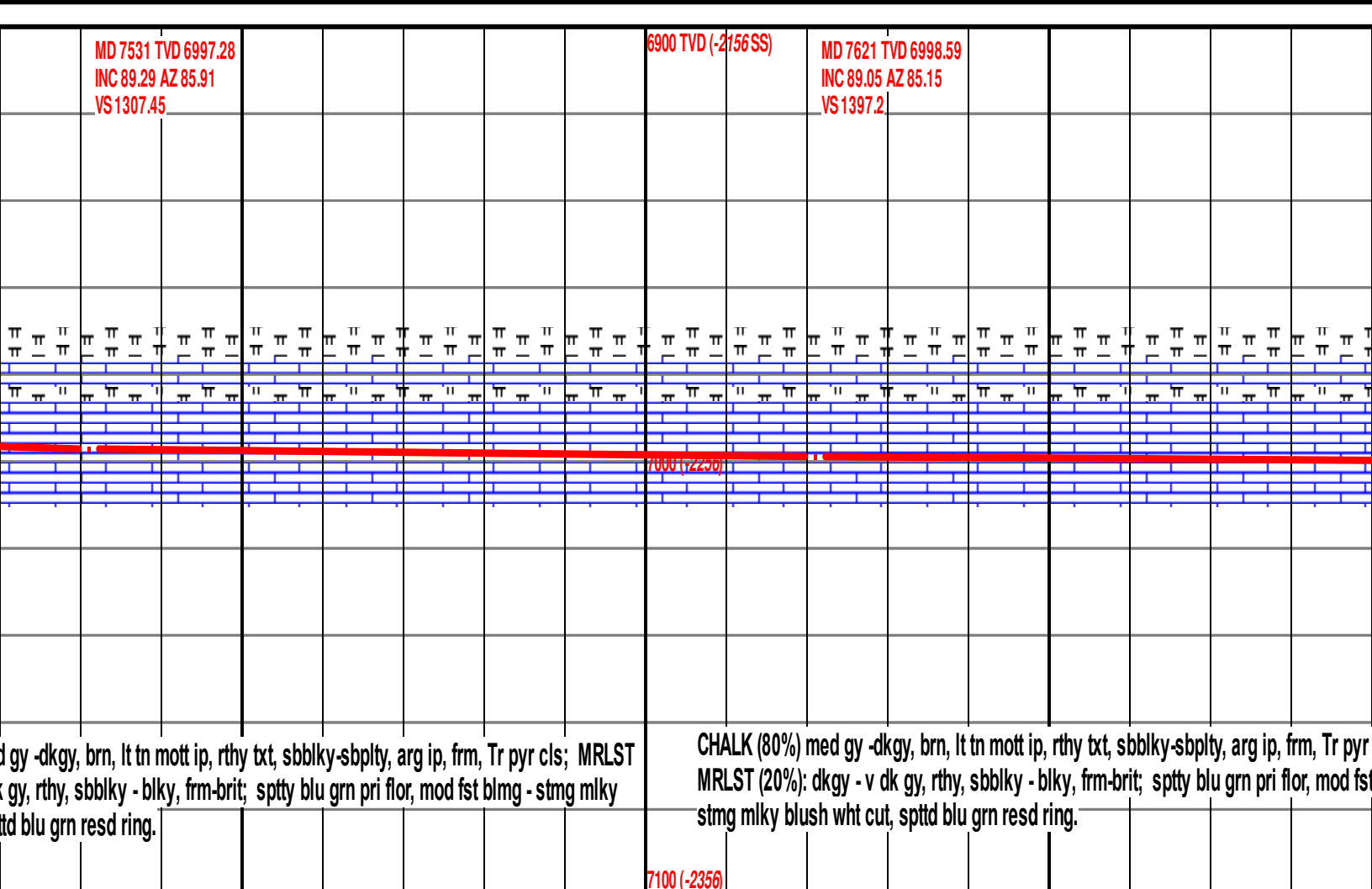
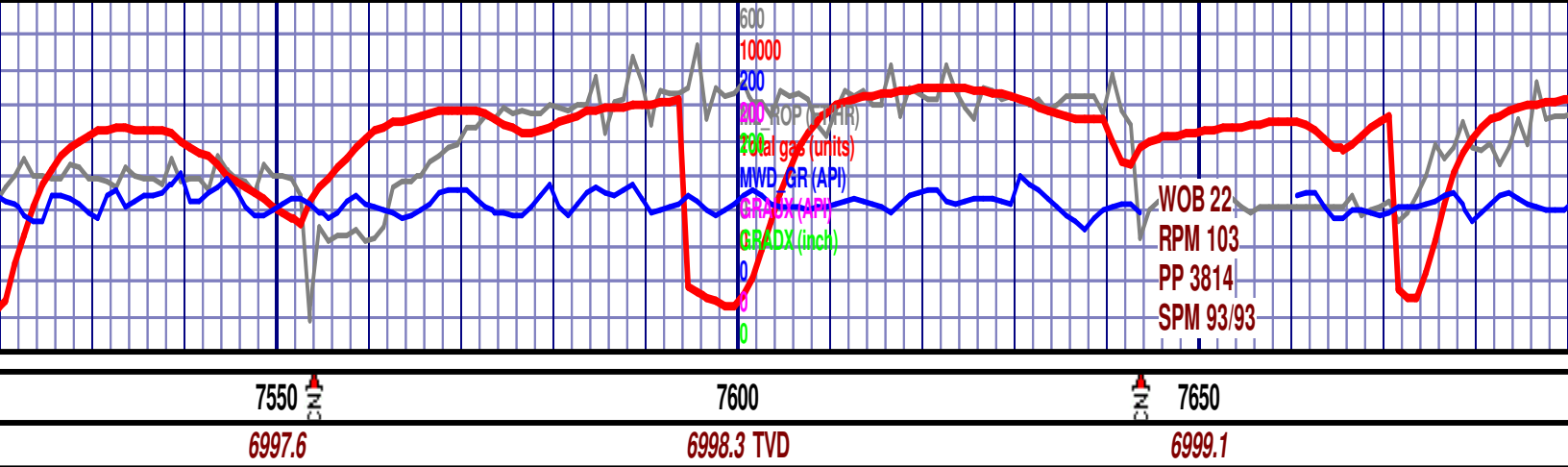
OIL SHOWS		POROSITY TYPE					
	Even		Earthy		Pinpoint		Angular
	Spotted		Fenest		Vuggy		
	Ques		Fracture	ROUNDING		SORTING	
	Dead		Inter		Rounded		Well
	Vspotty		Moldic		Subrnd		Moderate
	near even		Organic		Subang		Poor

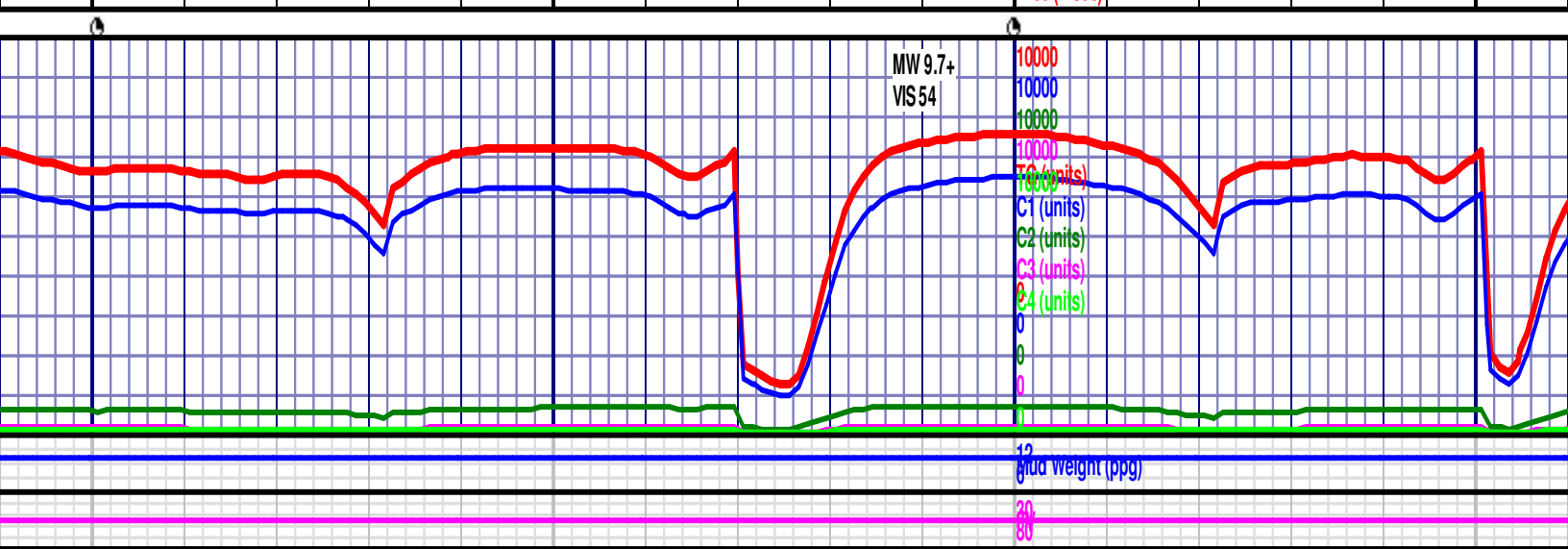
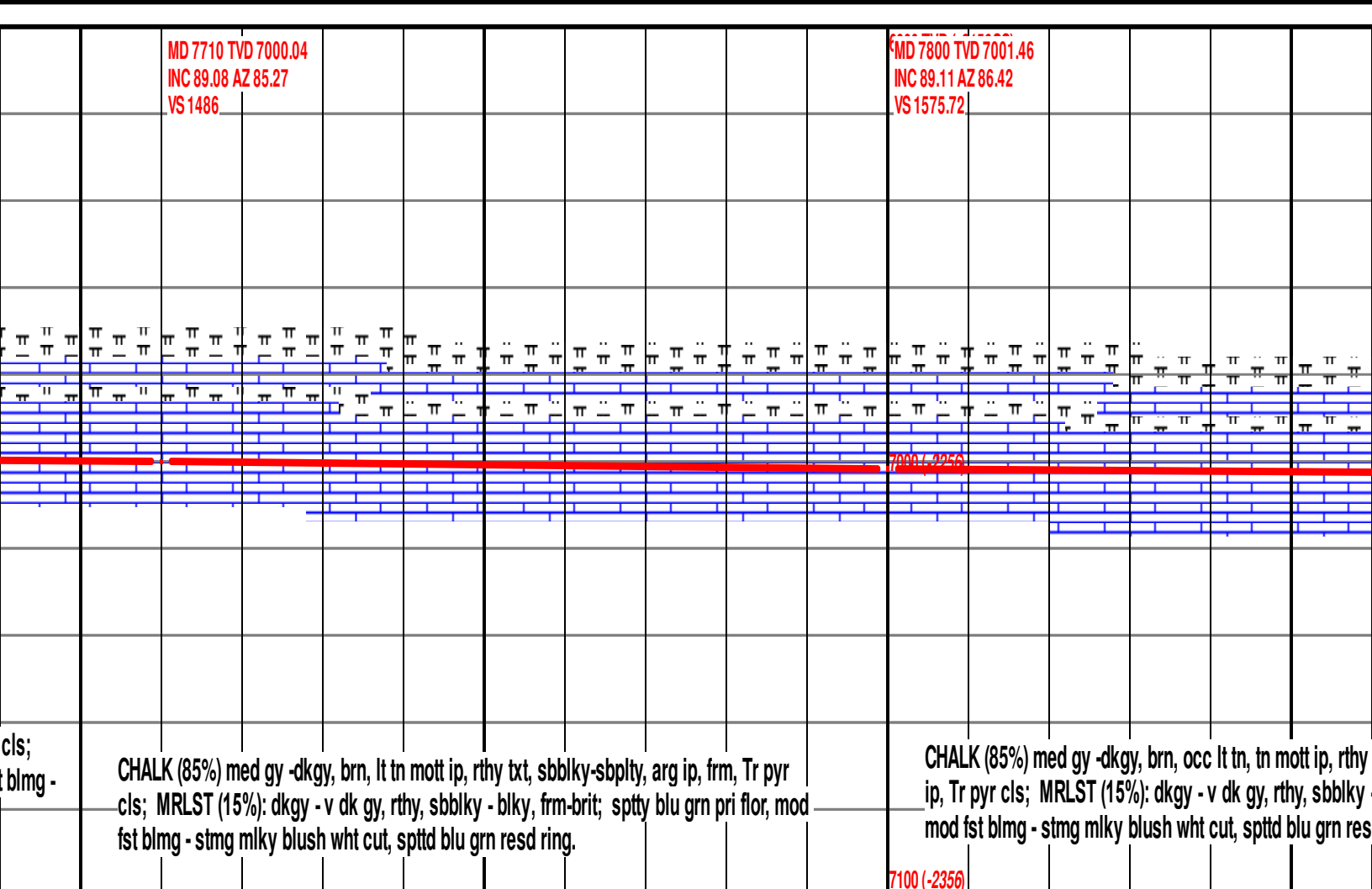
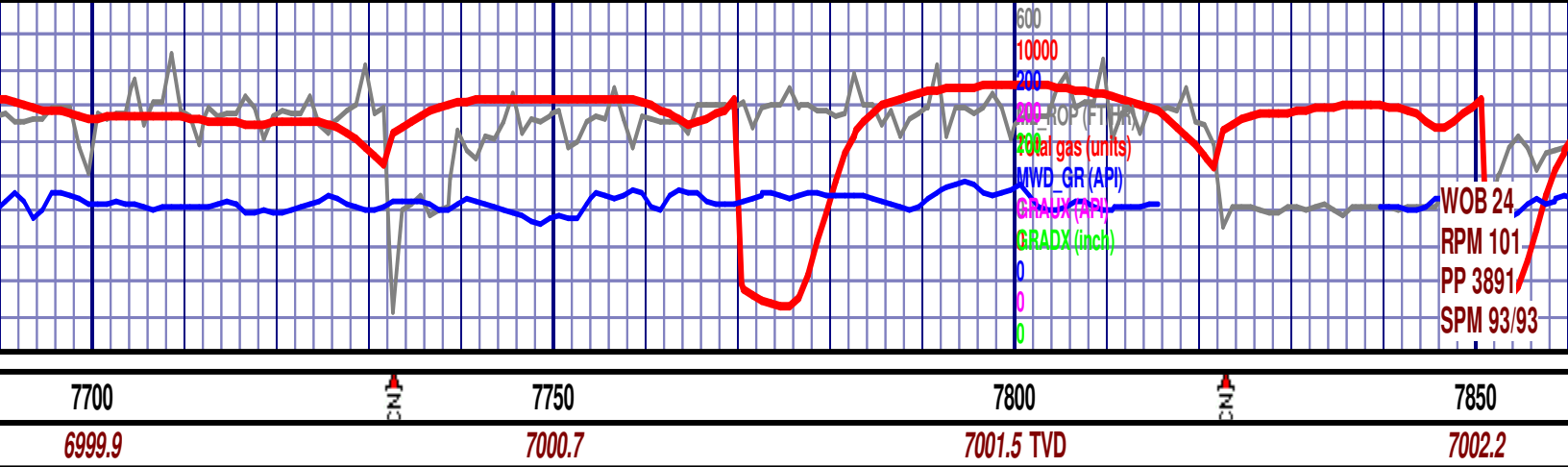
Oil Shows			
Total Gas, C1-C5		DATE: 9/08/18 DEPTH: 6088' WT: 9.6 Vis: 51 PV: 16 YP: 8 Gel: 10/15/19 FIL (HTHP): 9 SOL: 11% CI: 38,000 NAP/H2O Ratio 85/15 ES 1022	
TG (units)			
C1 (units)			
C2 (units)			
C3 (units)			
C4 (units)			
Mud Weight			
FV			

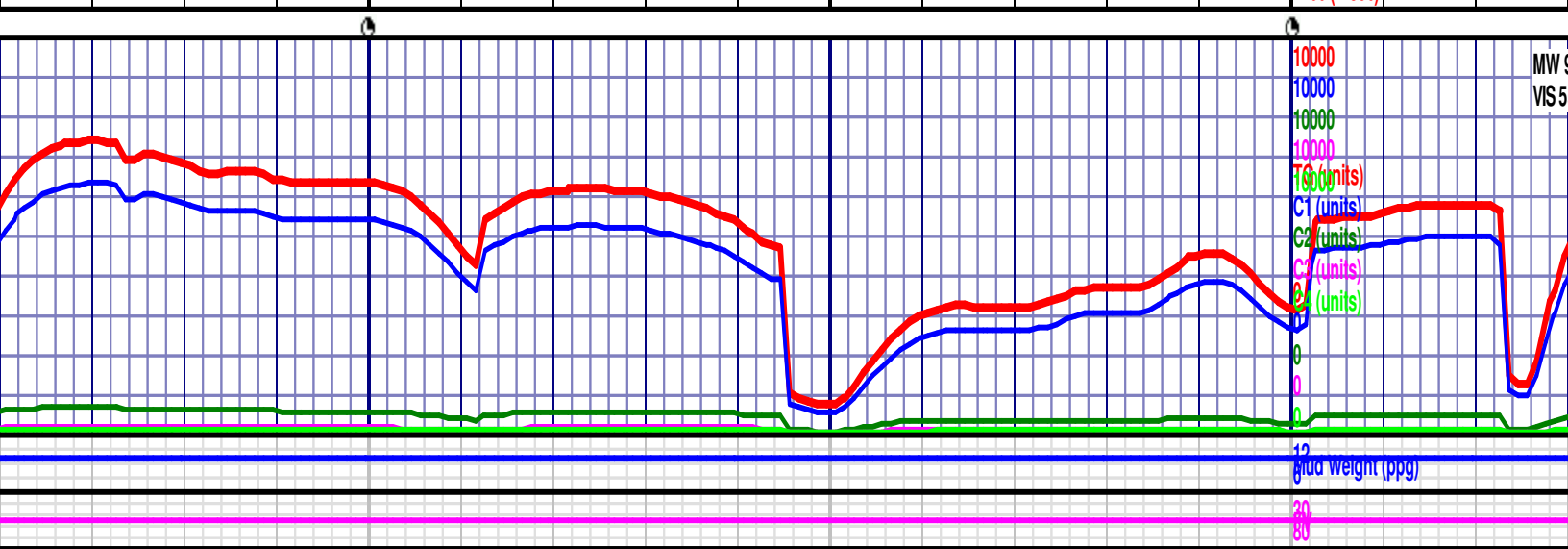
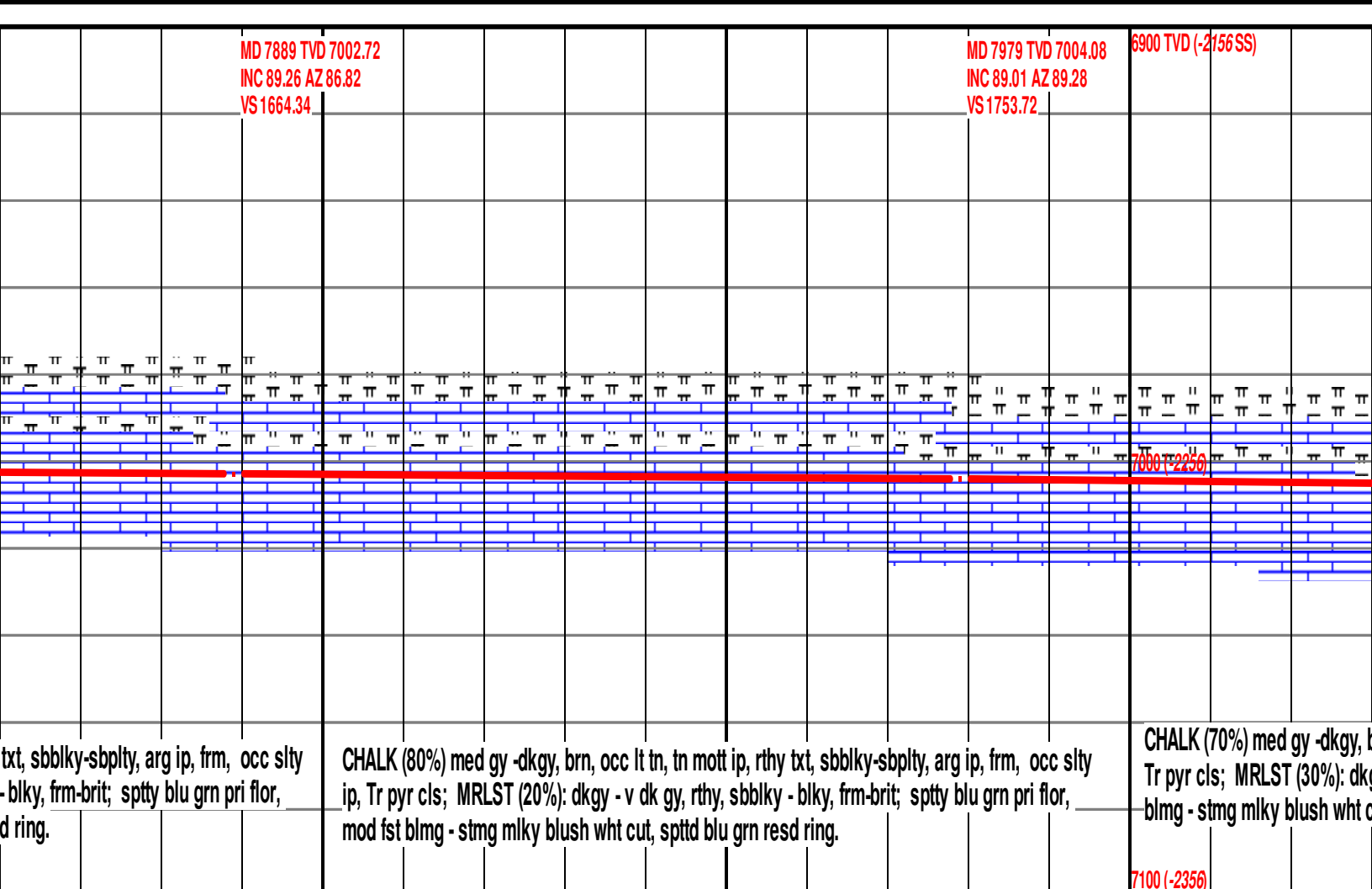
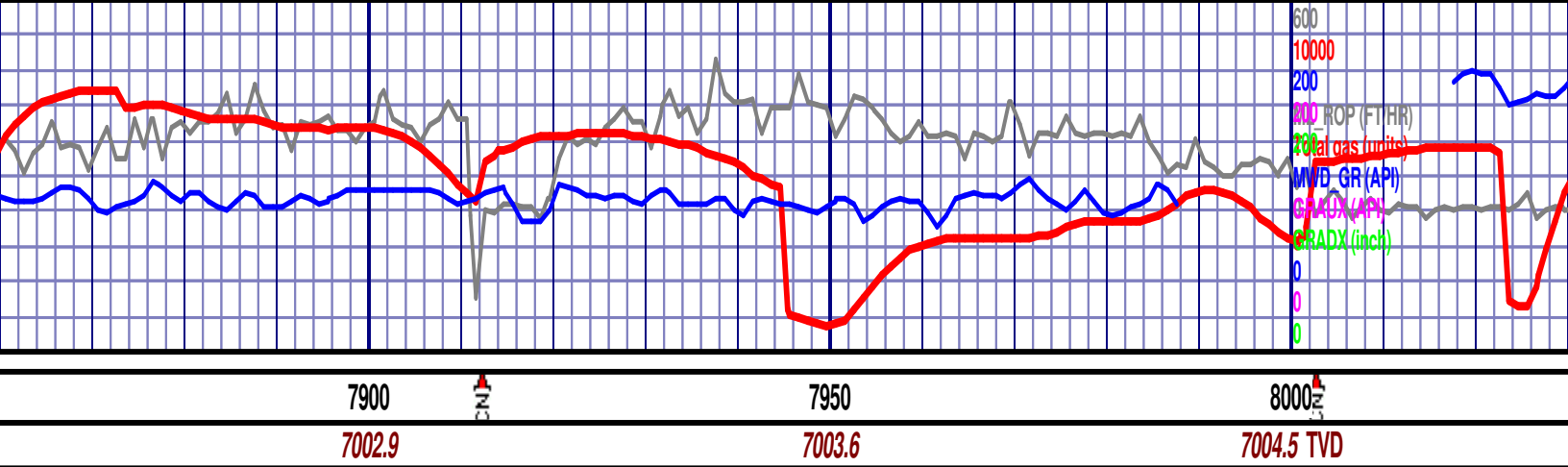


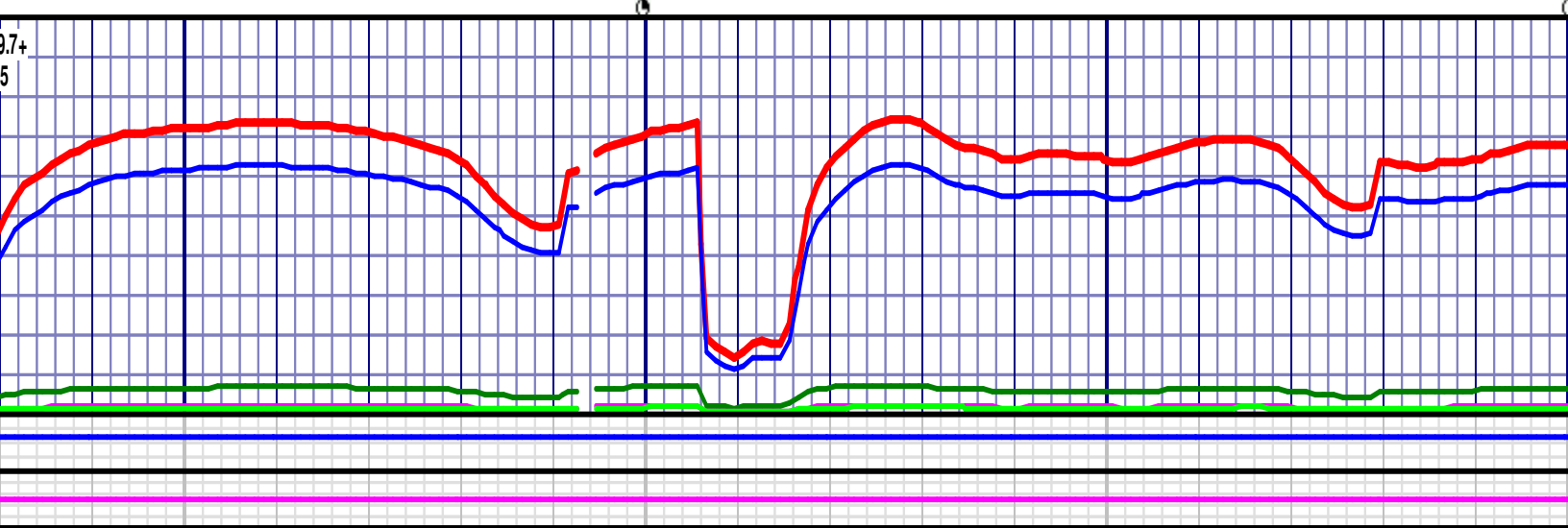
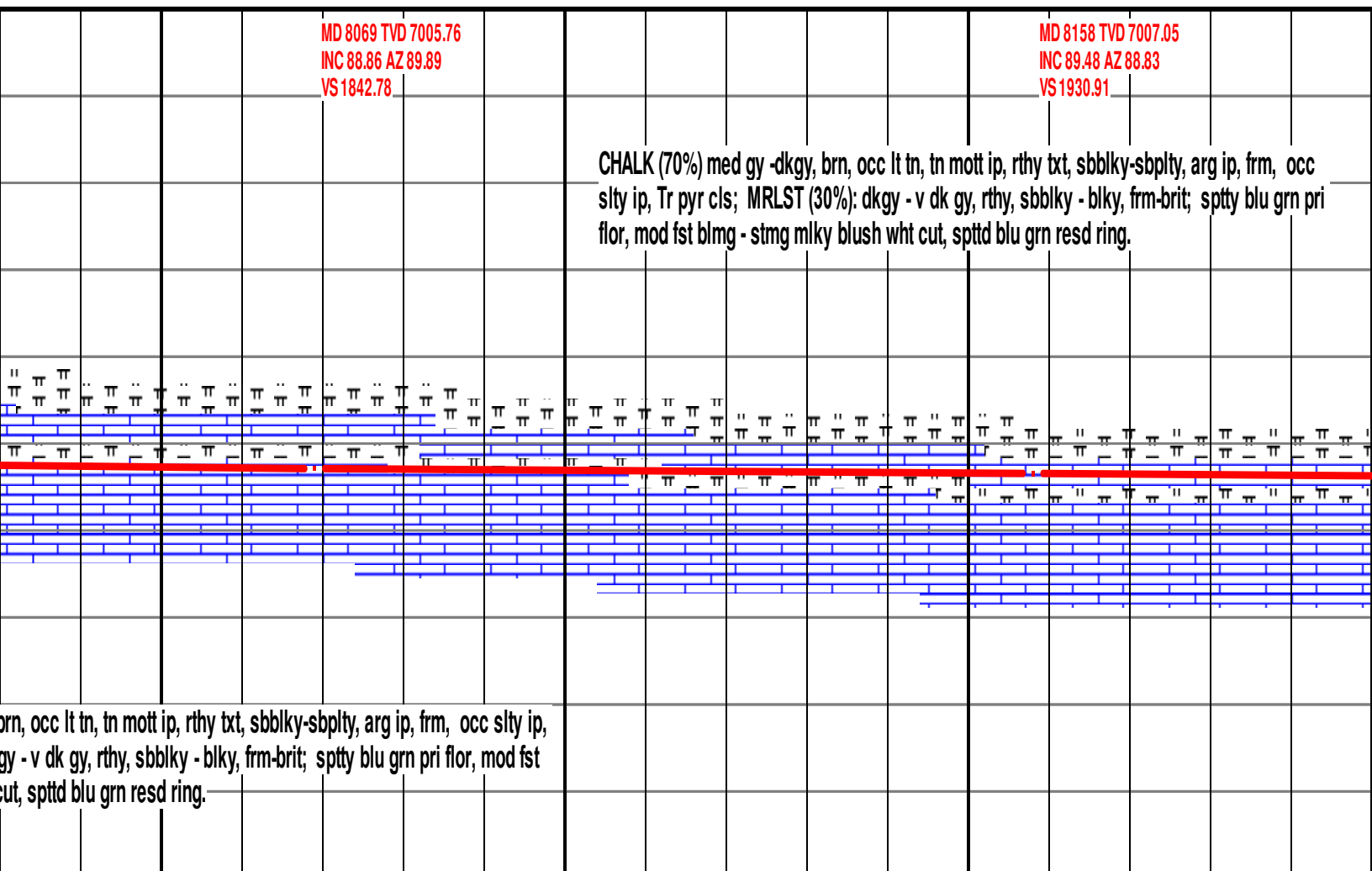
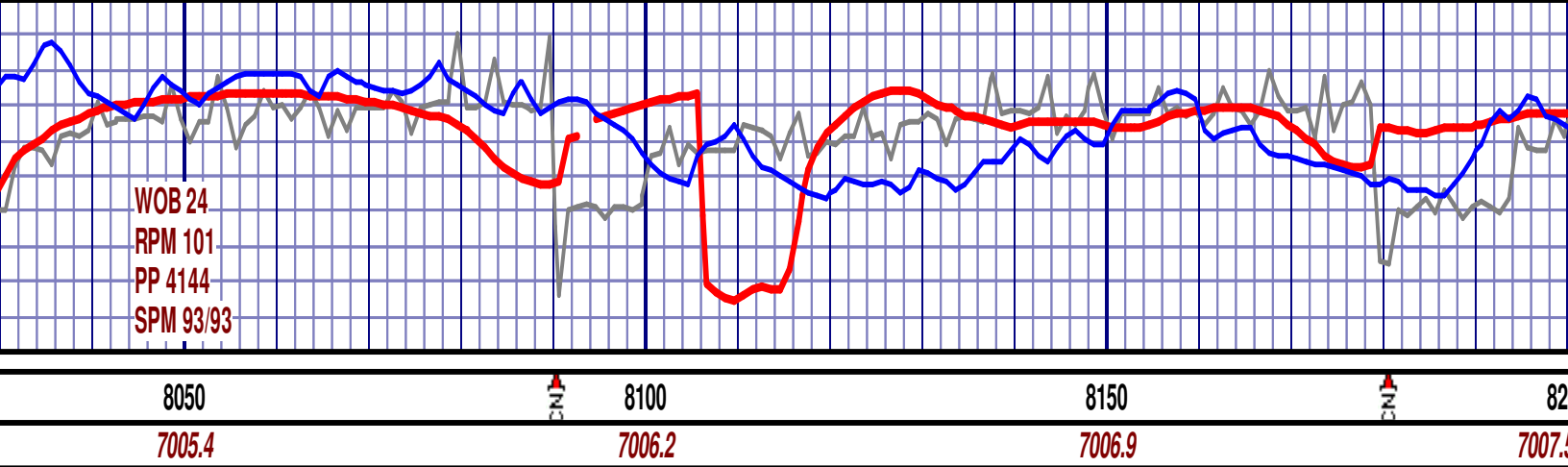


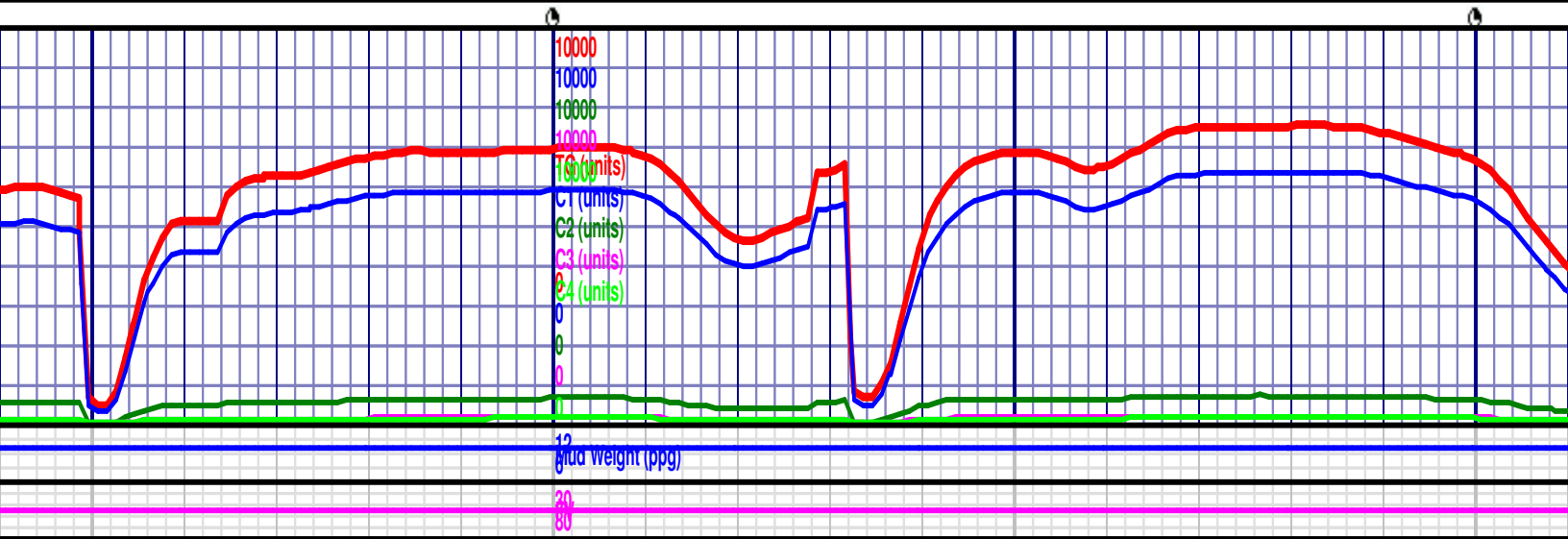
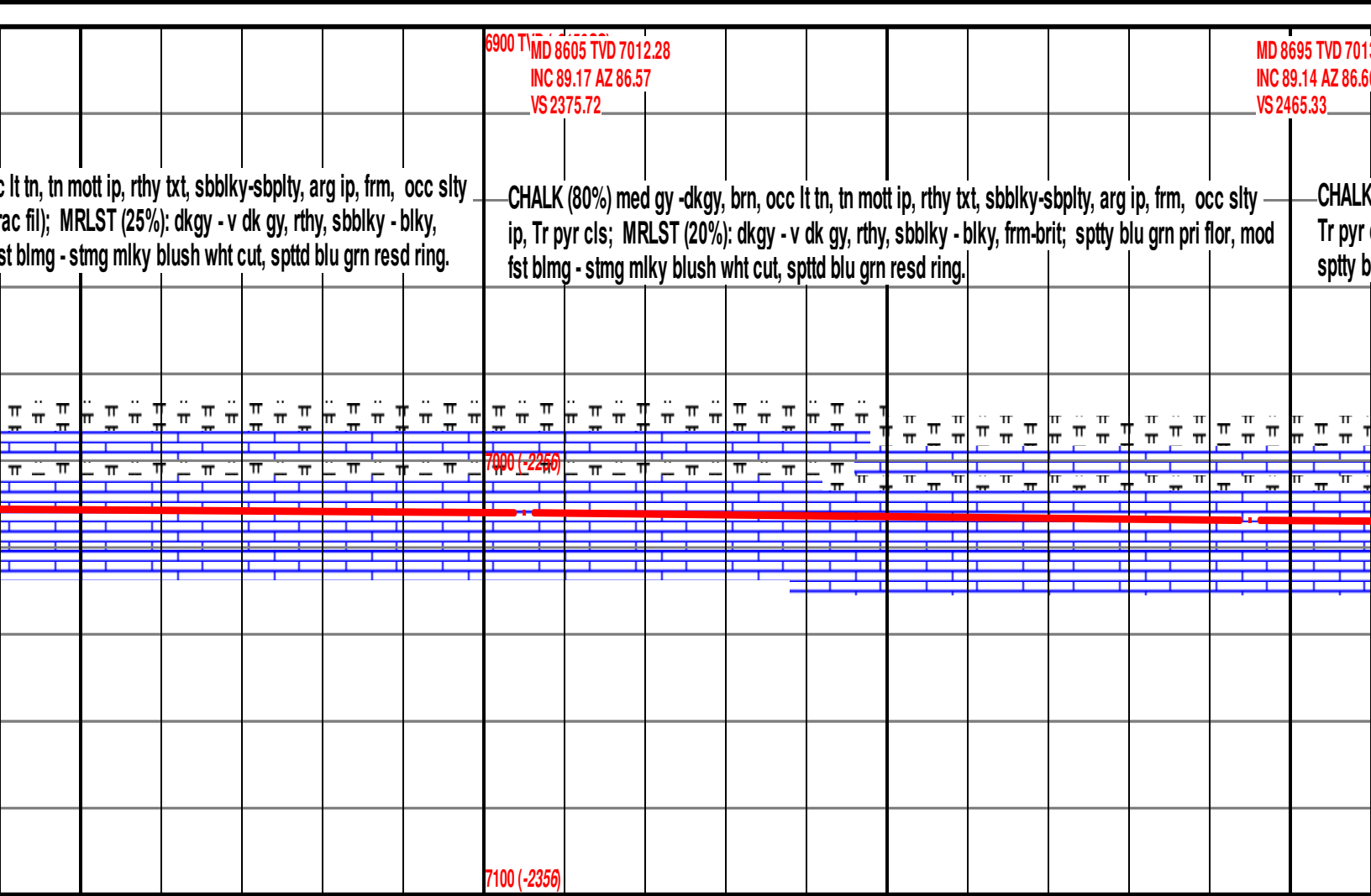
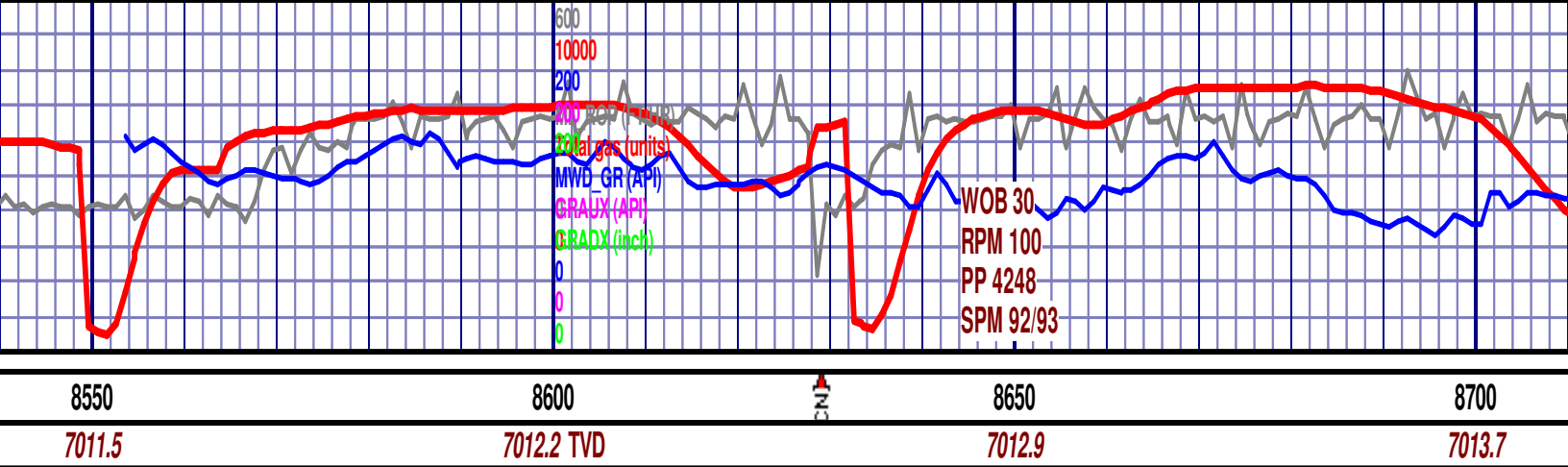


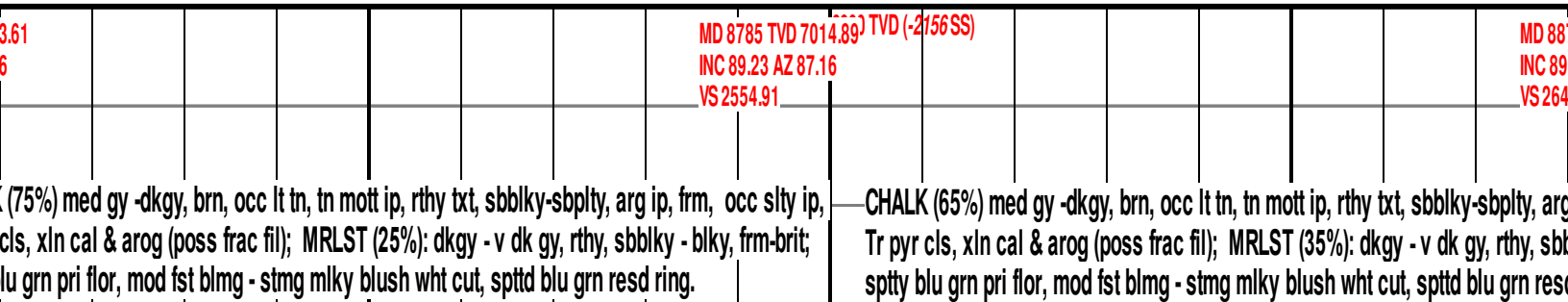


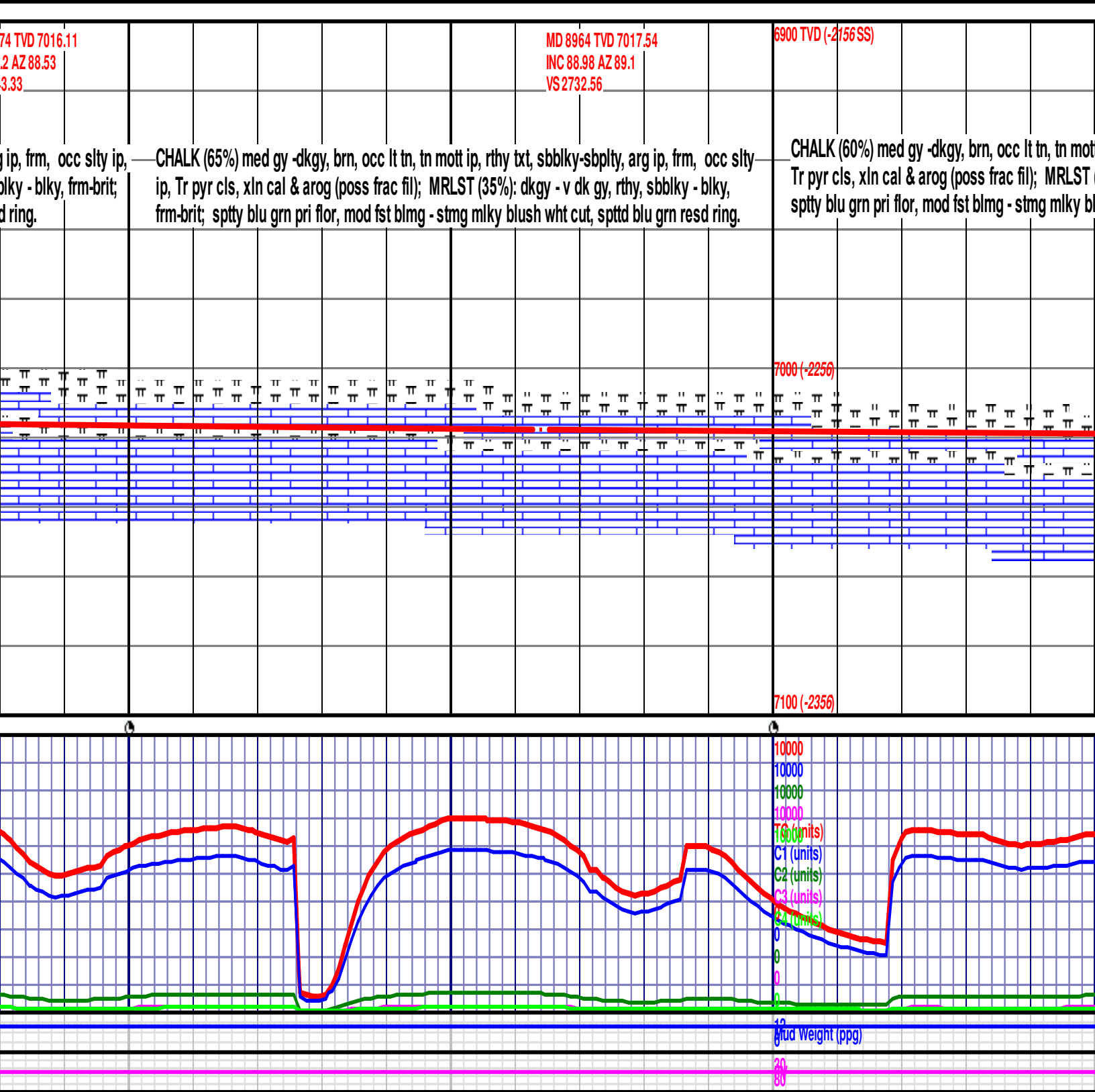
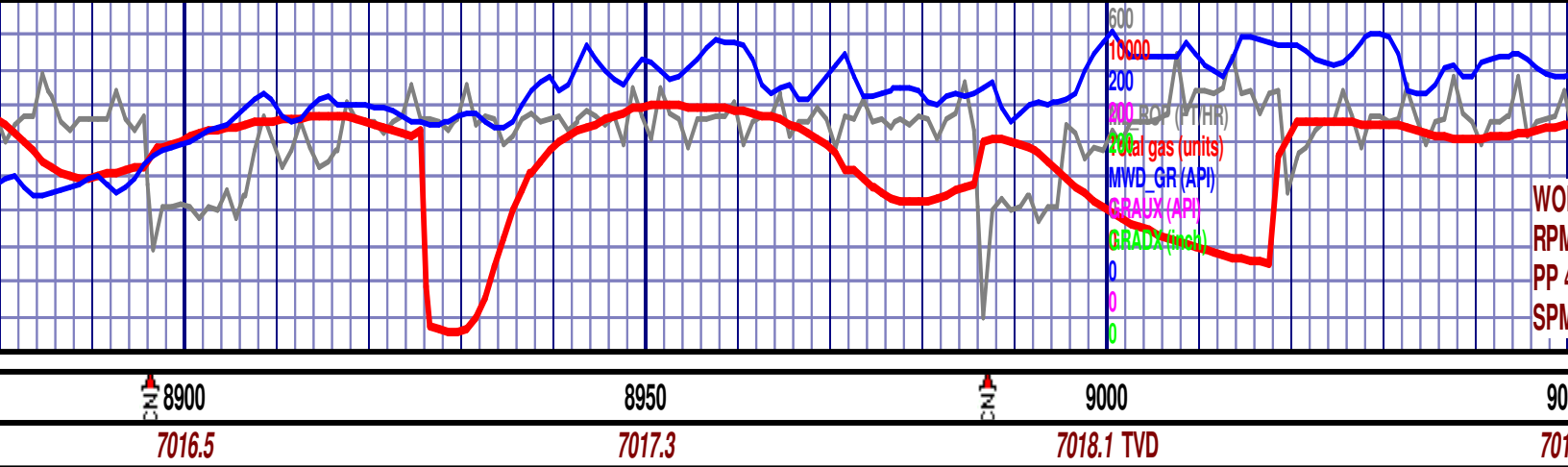


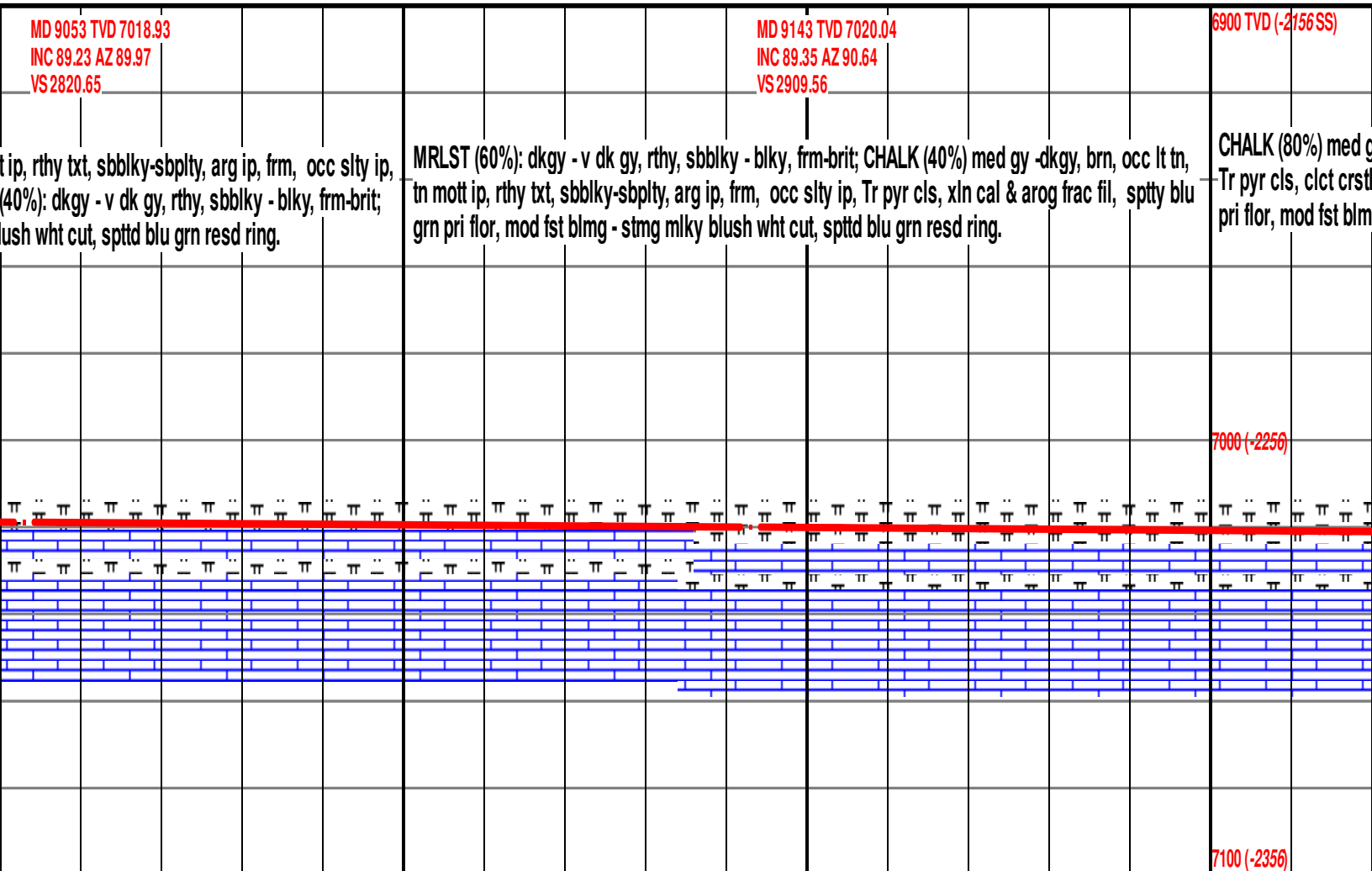


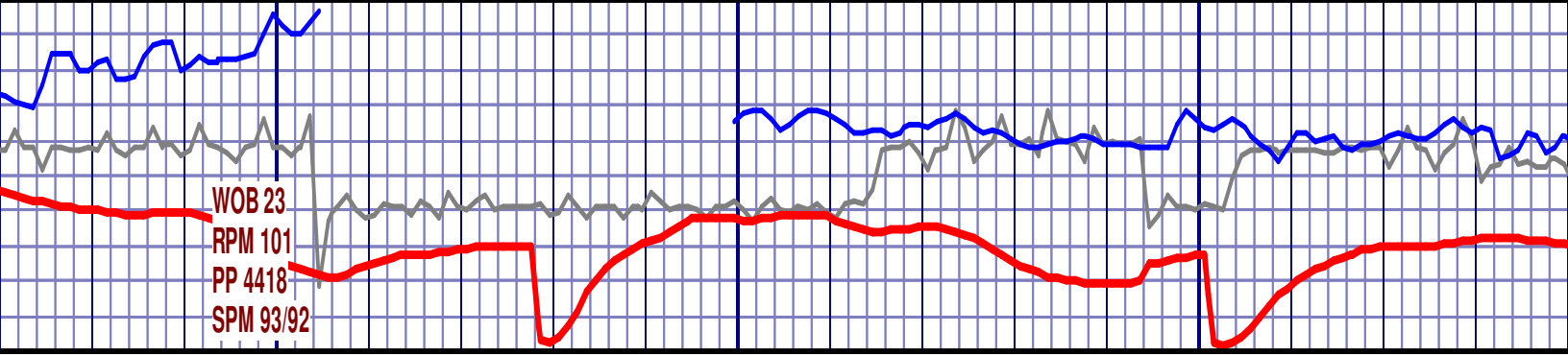












9250
7021.3

9300
7021.7

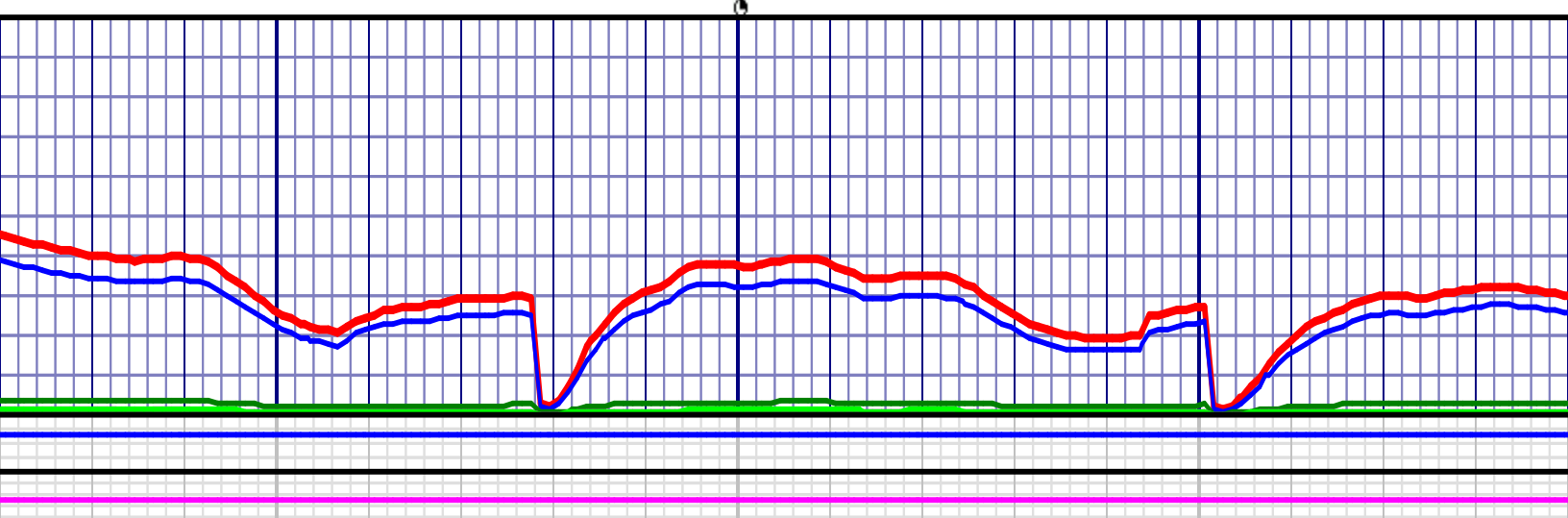
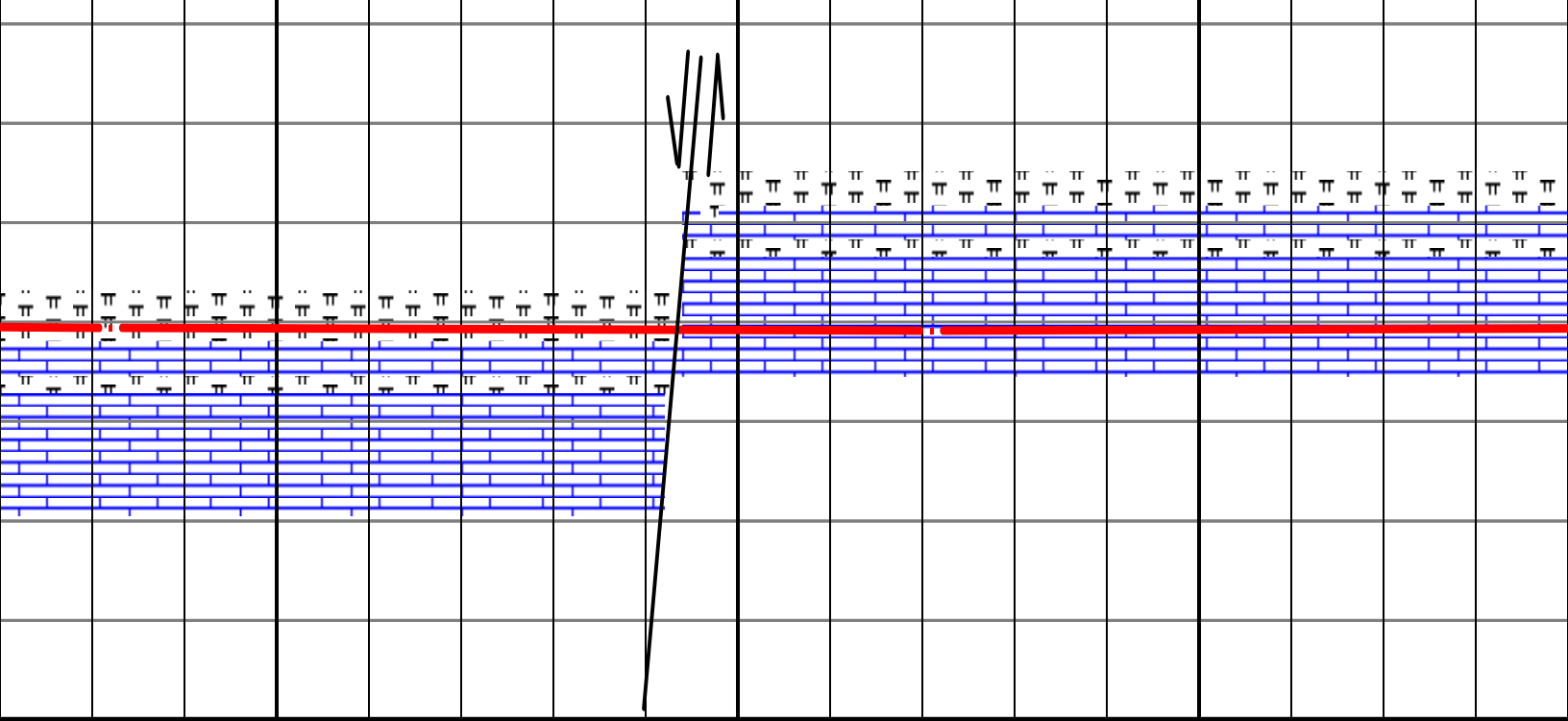
9350
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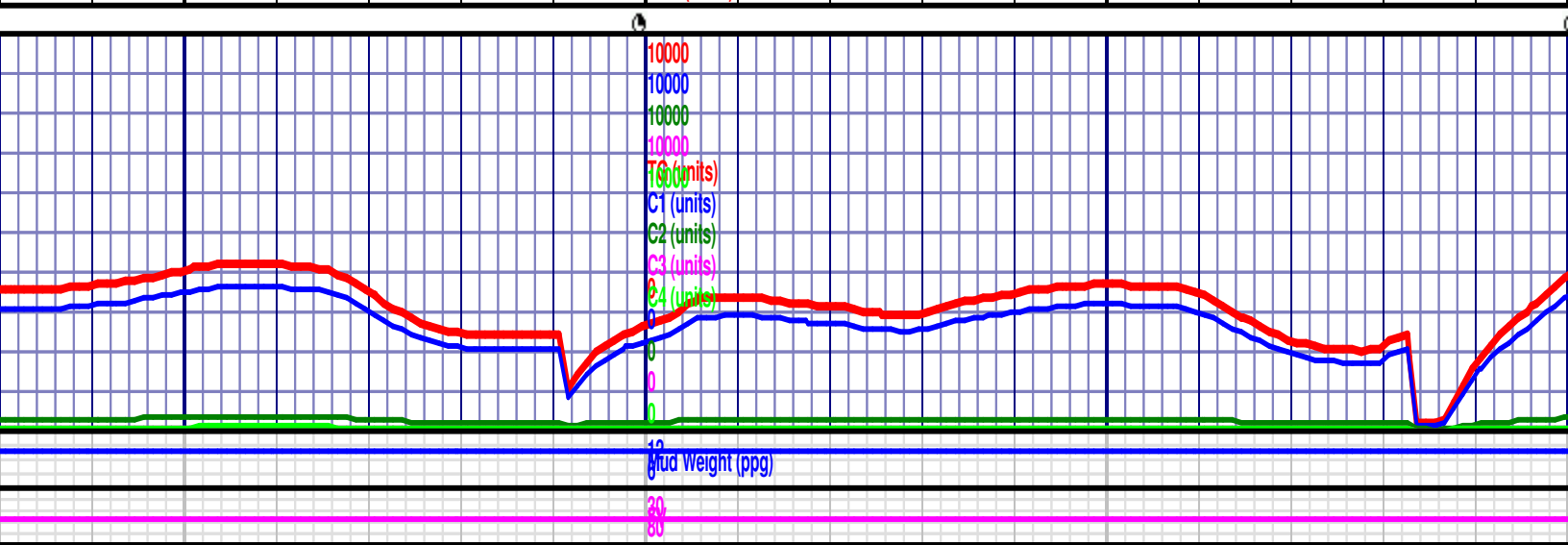
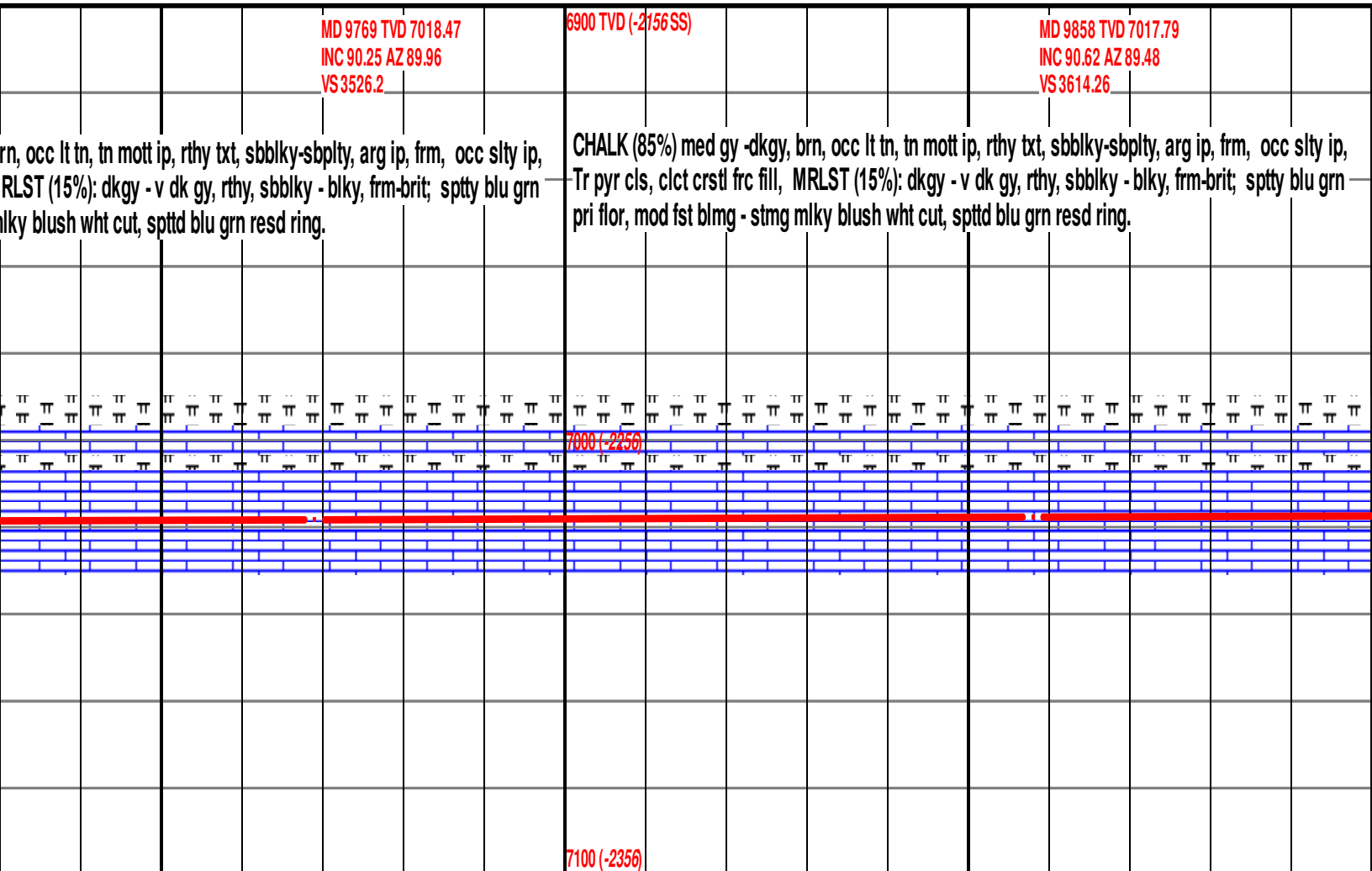
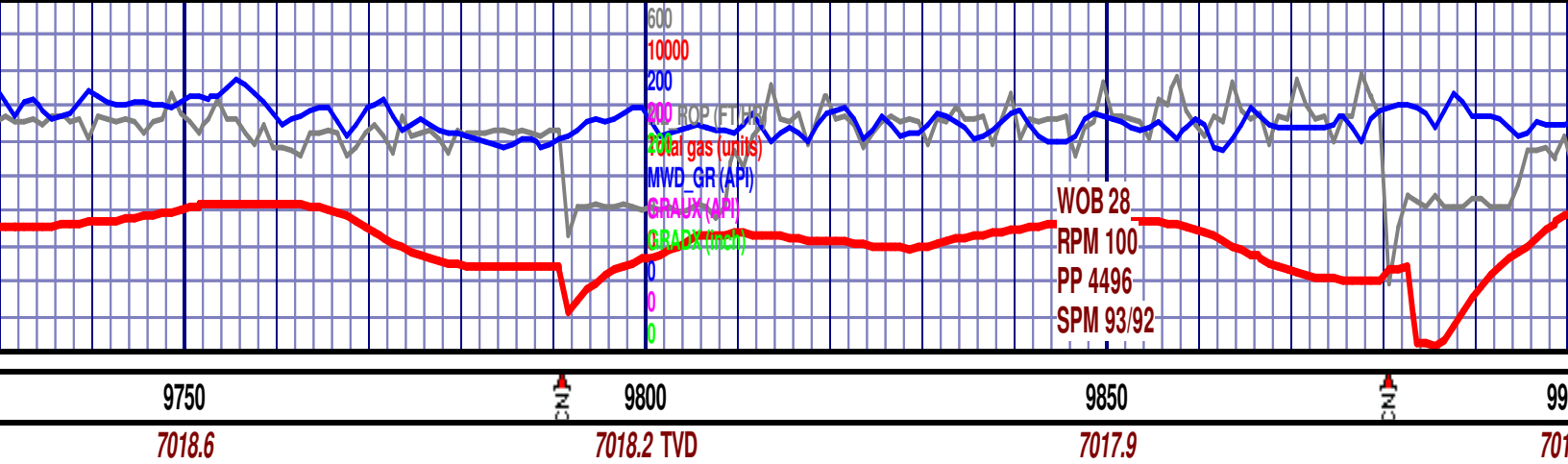
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VS 2997.34

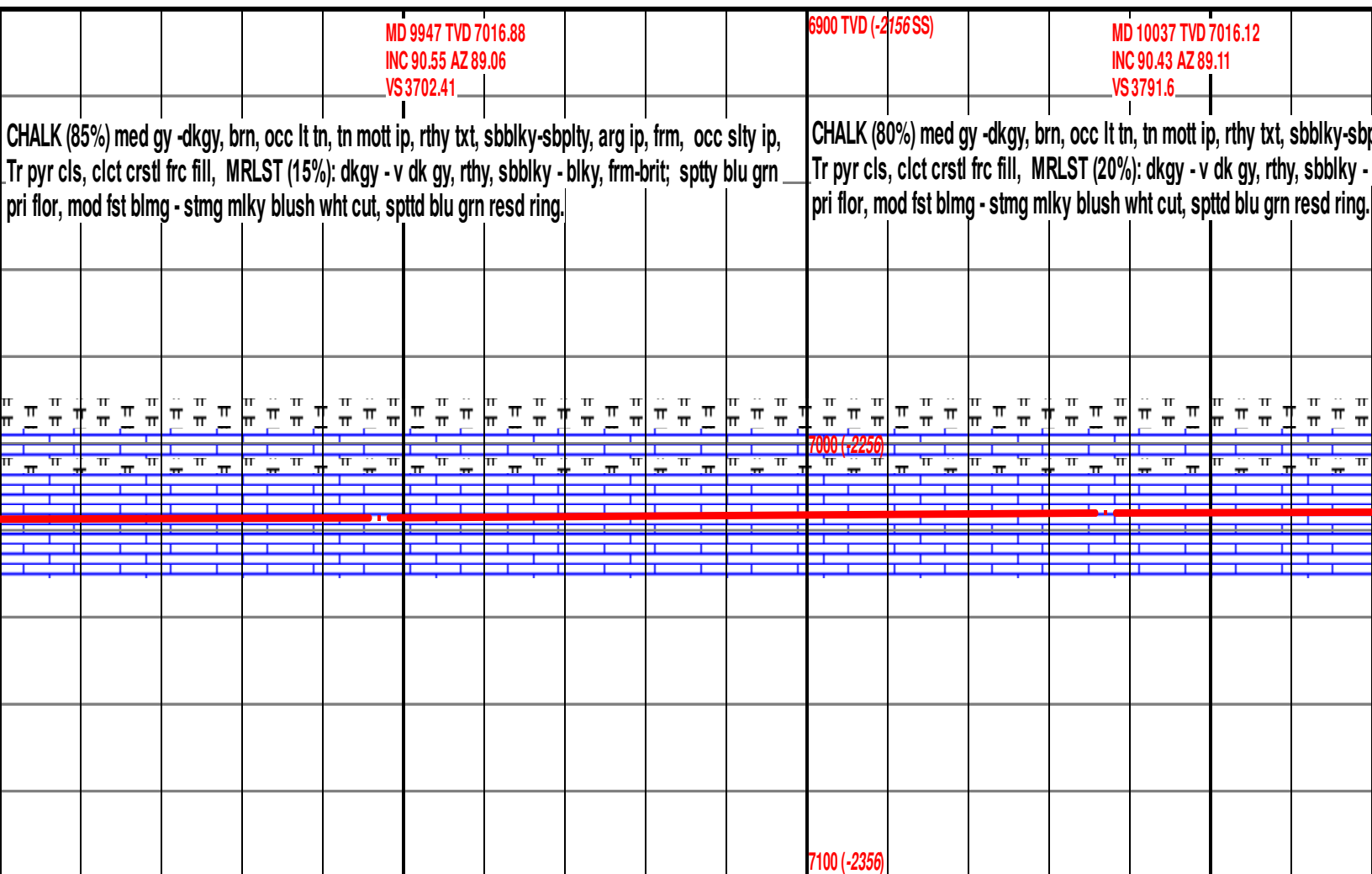
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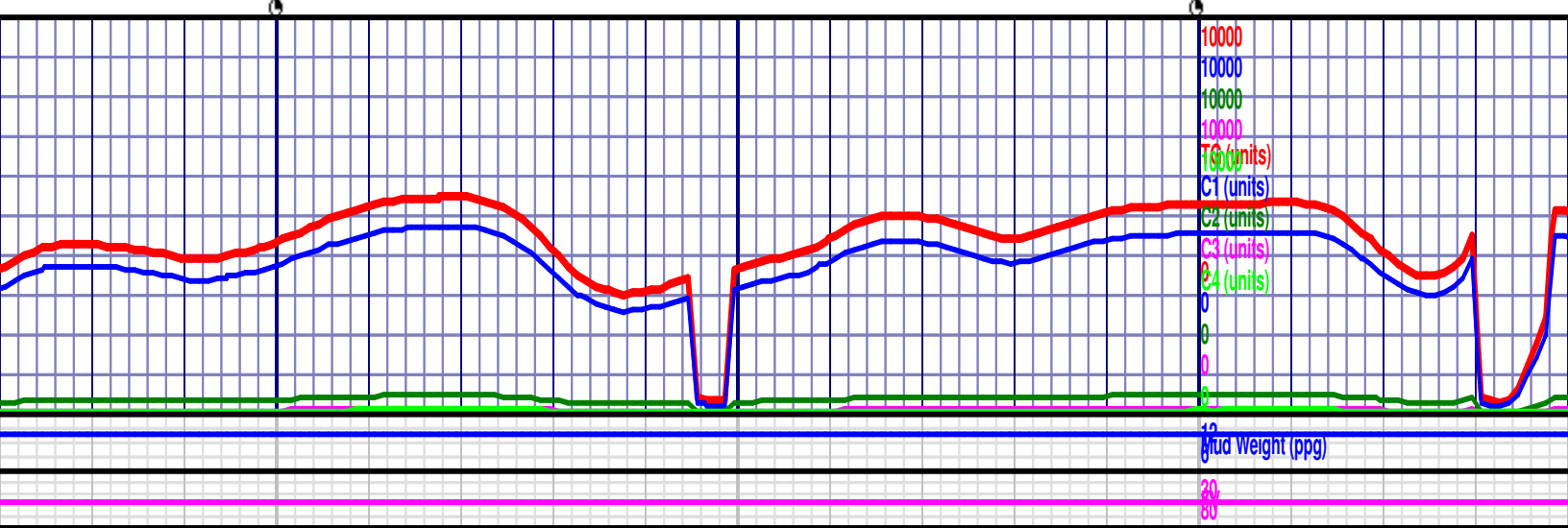
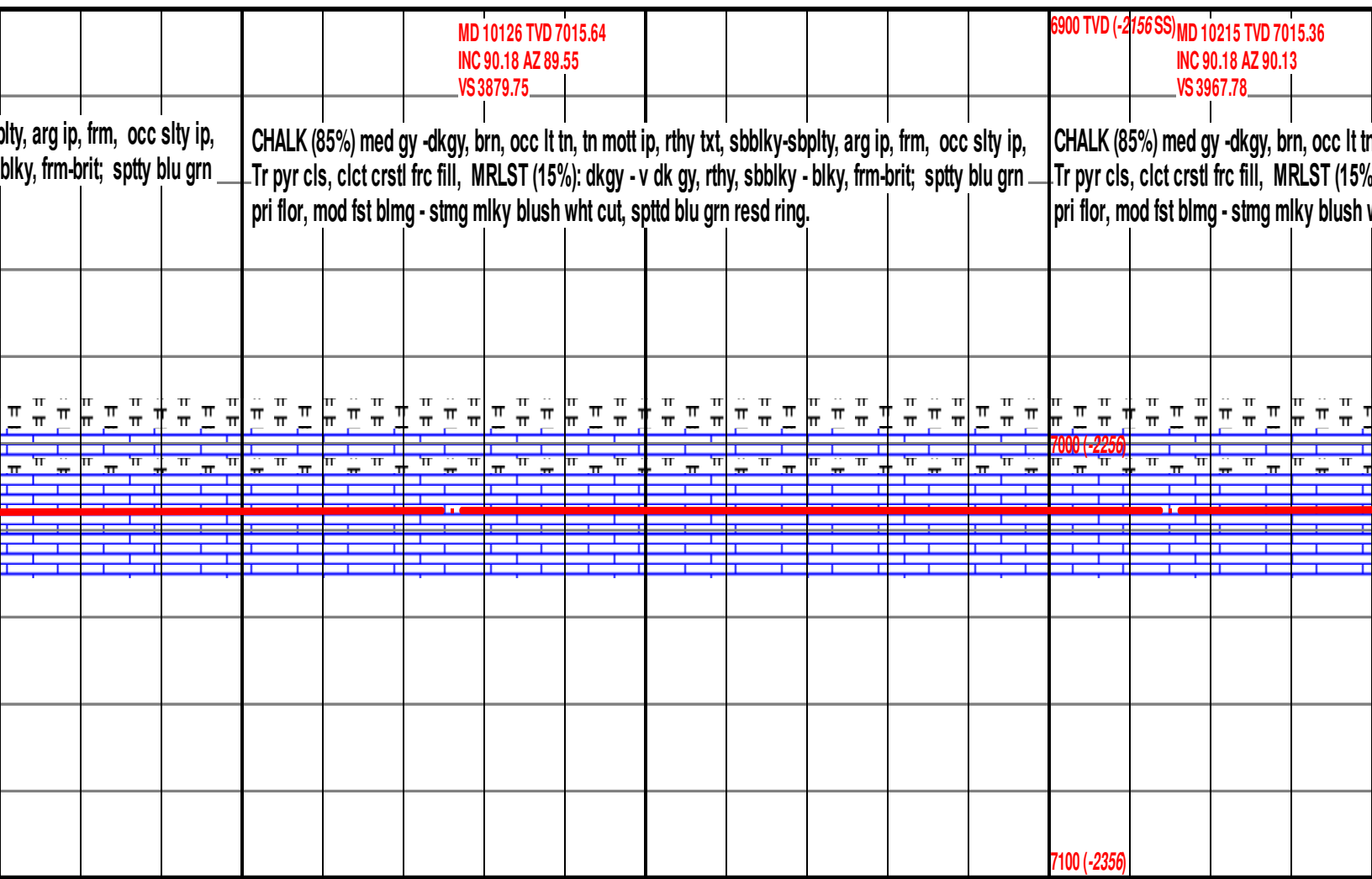
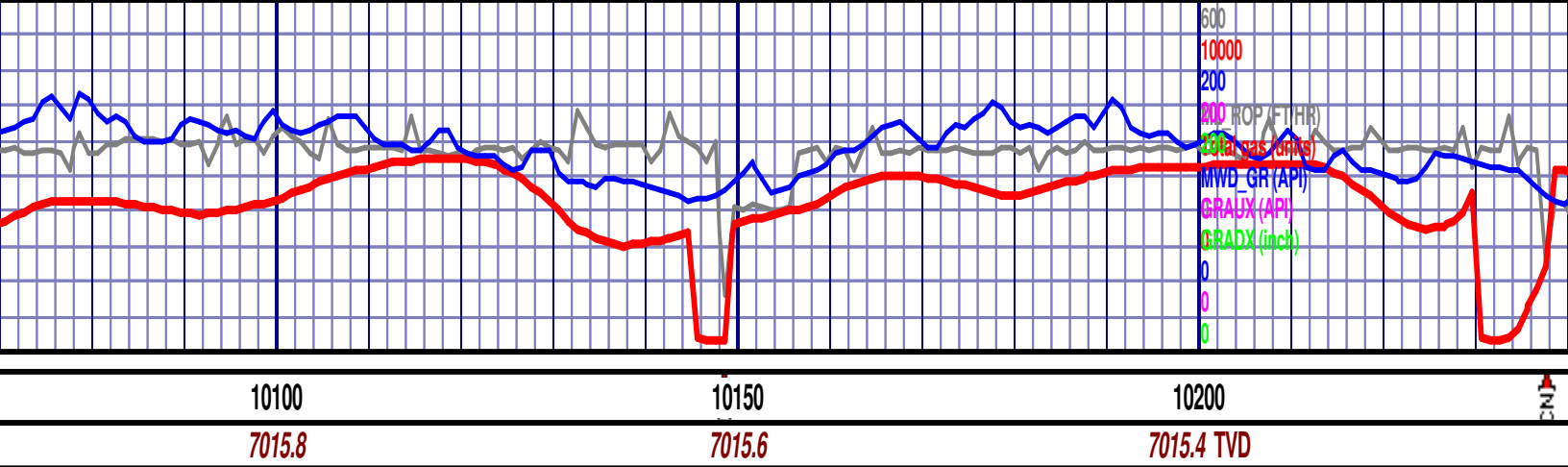
gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty ip, frc fill, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; spty blu grn g - stmg milky blush wht cut, spttd blu grn resd ring.

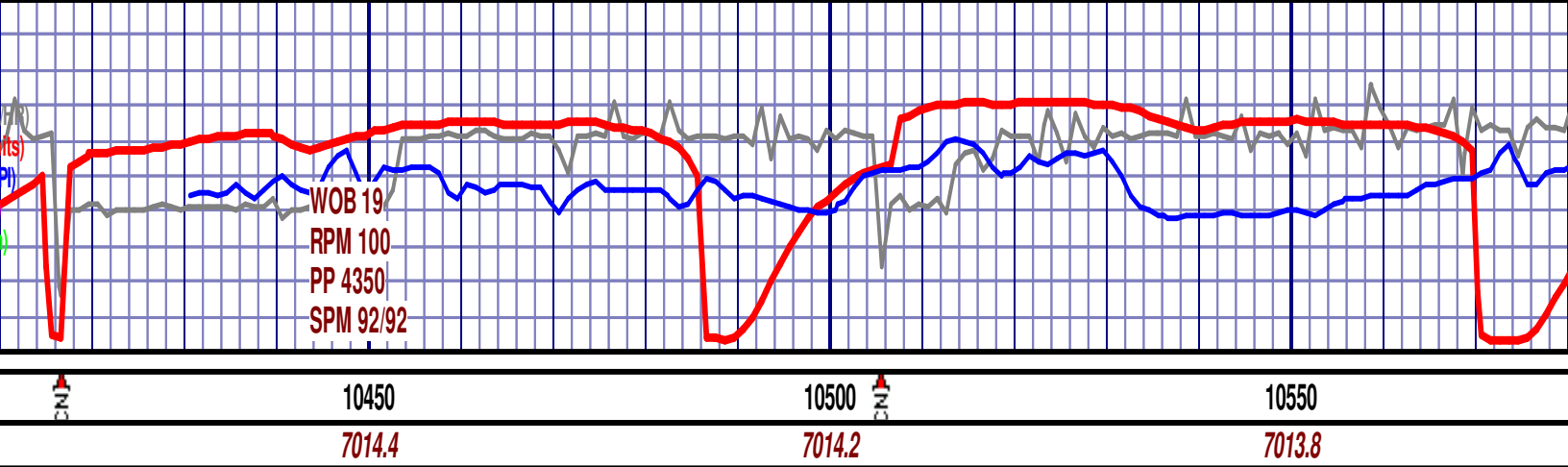
CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ Tr pyr cls, clct crstl frc fill, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; spty pri flor, mod fst blmg - stmg milky blush wht cut, spttd blu grn resd ring.



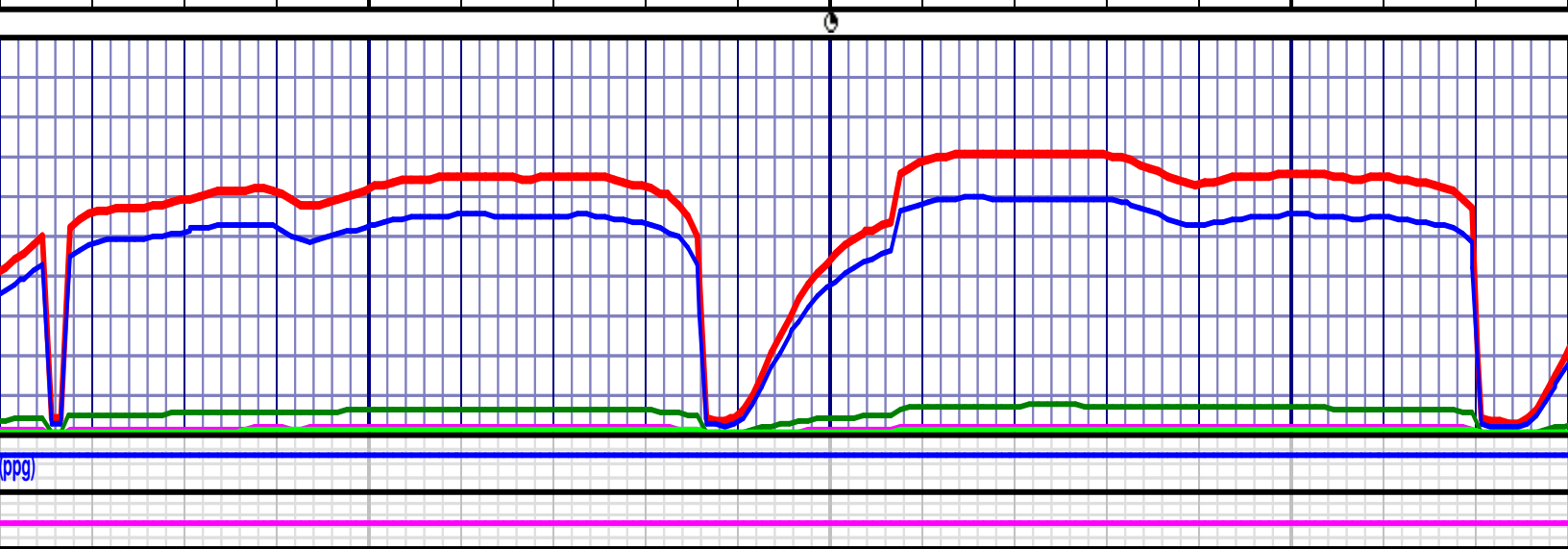


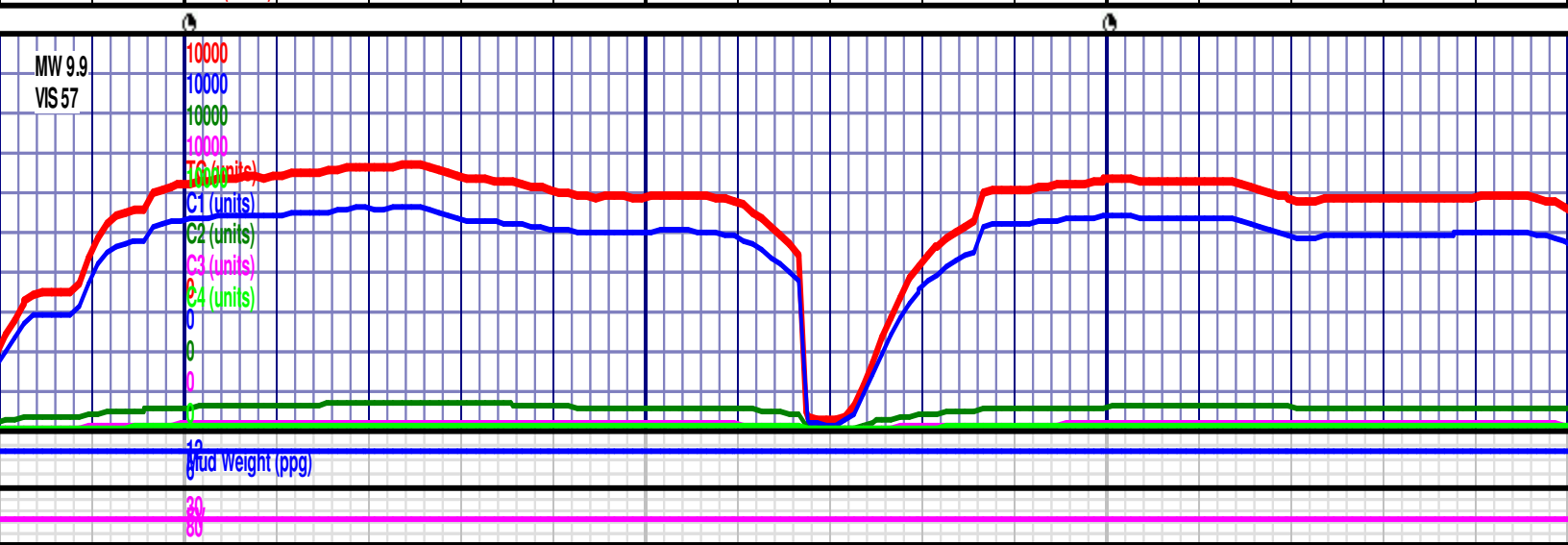
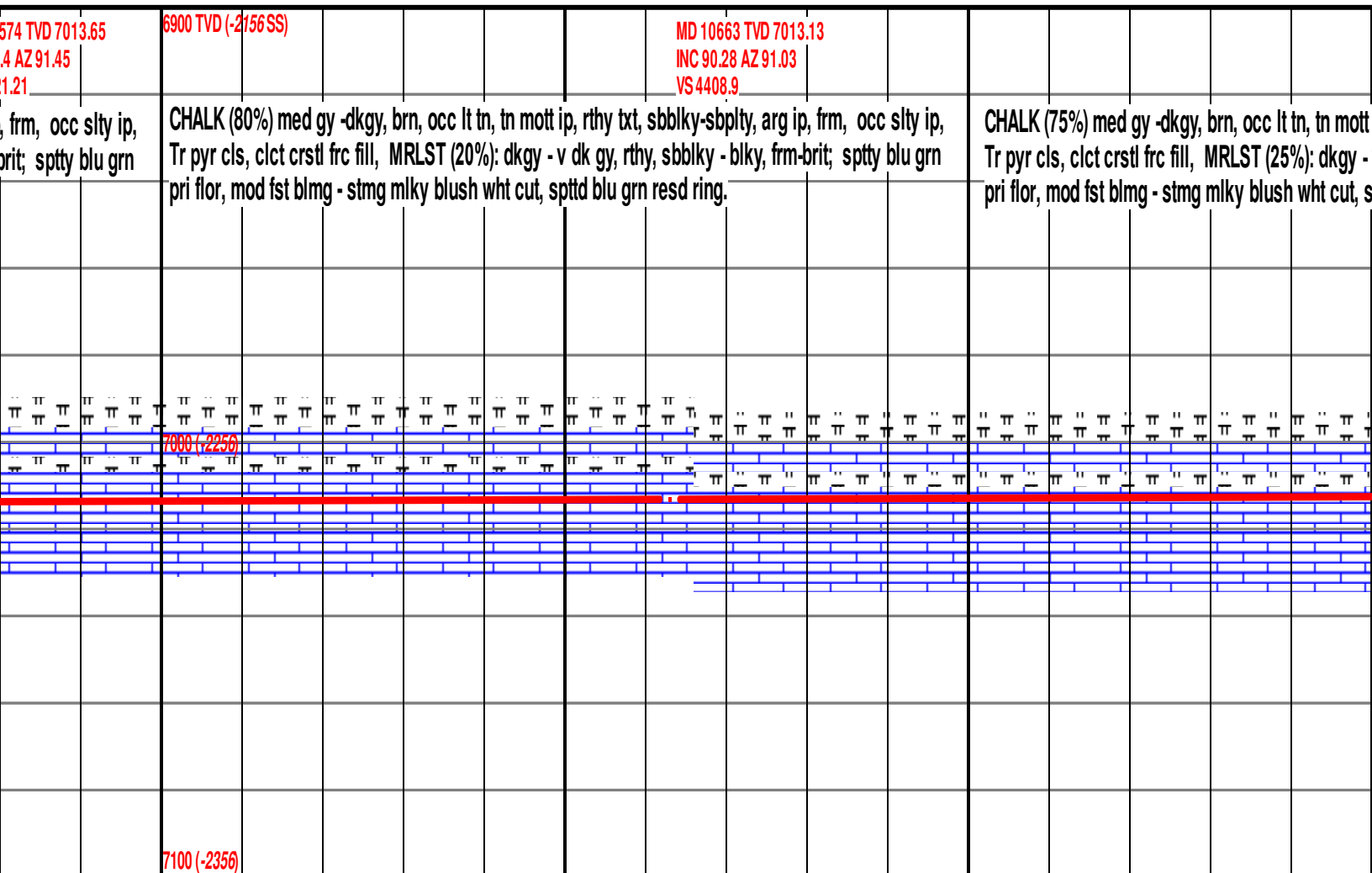


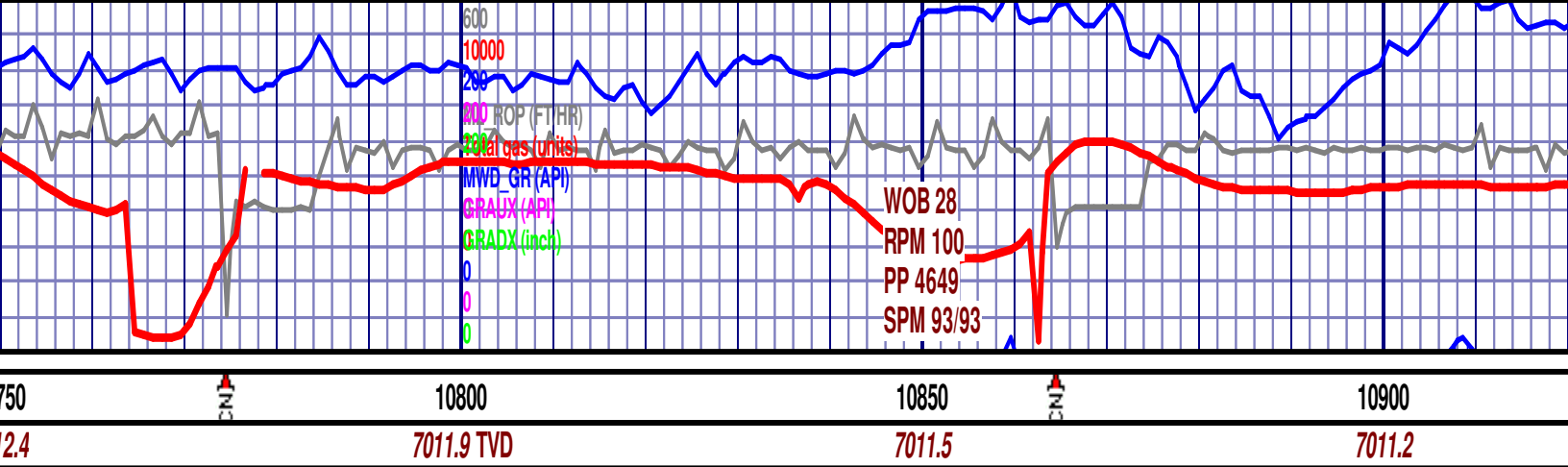




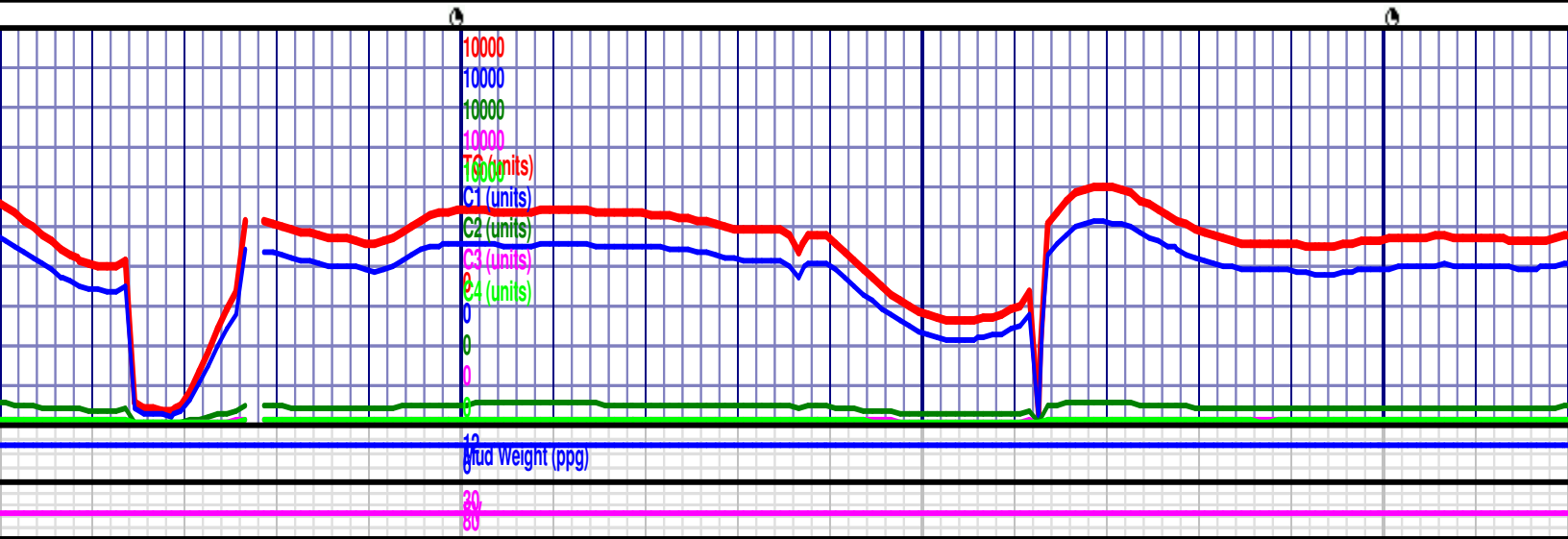
<p>(14.66S) 3</p>	<p>MD 10484 TVD 7014.28 INC 90.4 AZ 92.09 VS 4232.68</p>	<p>MD 103 INC 90 VS 432</p>
<p>5%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty ip, clct crstl frc fill, MRLST (15%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit; sptty blu grn mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.</p>		<p>CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, Tr pyr cls, clct crstl frc fill, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit; sptty blu grn mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.</p>

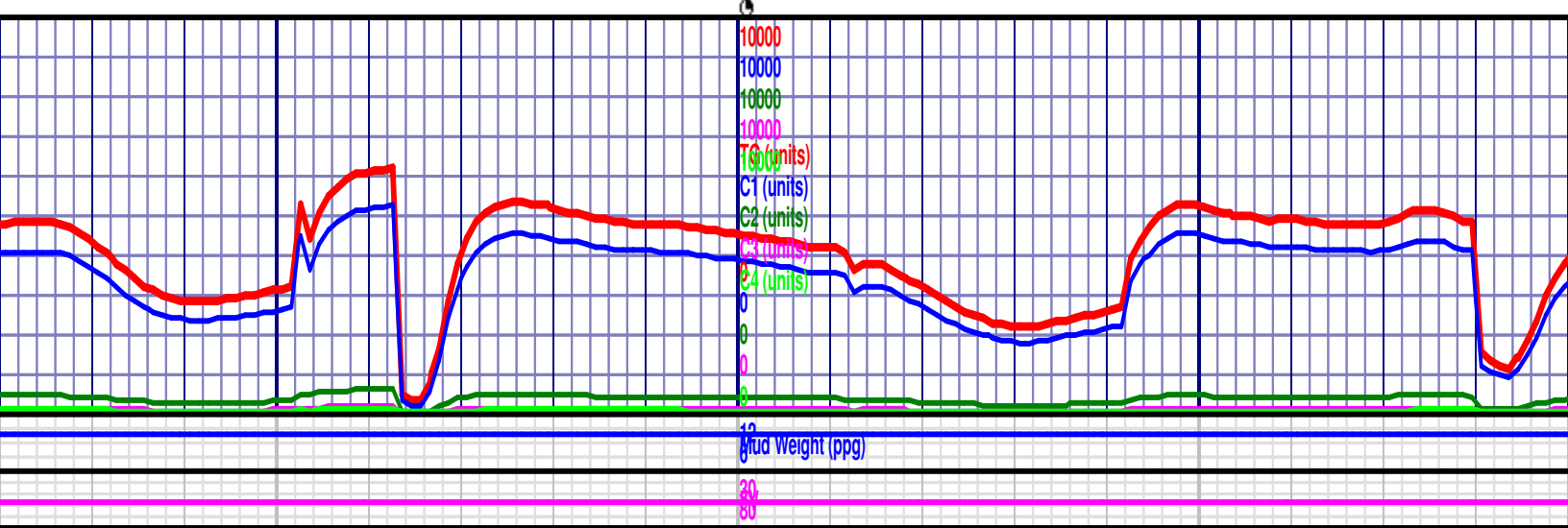
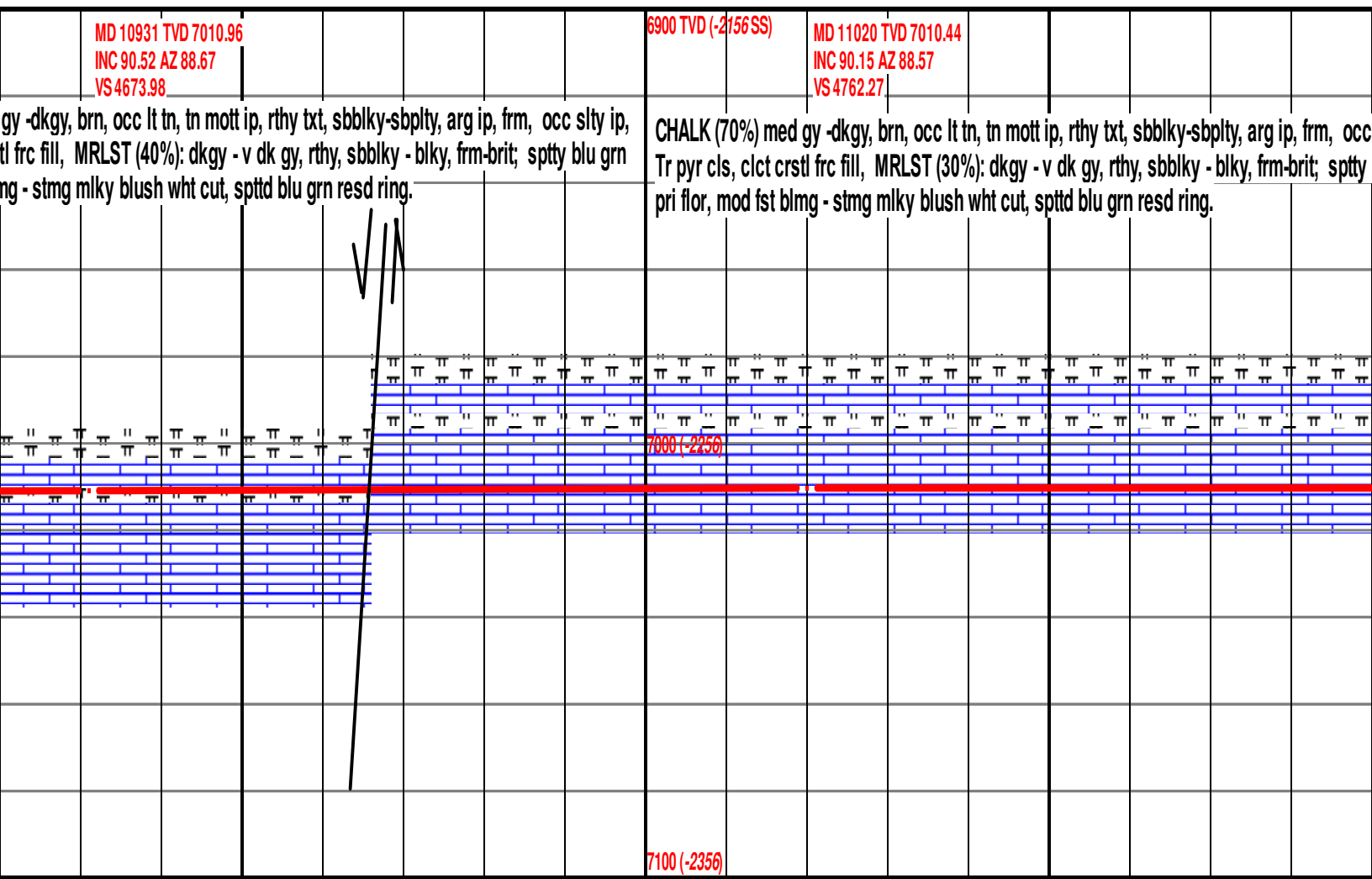
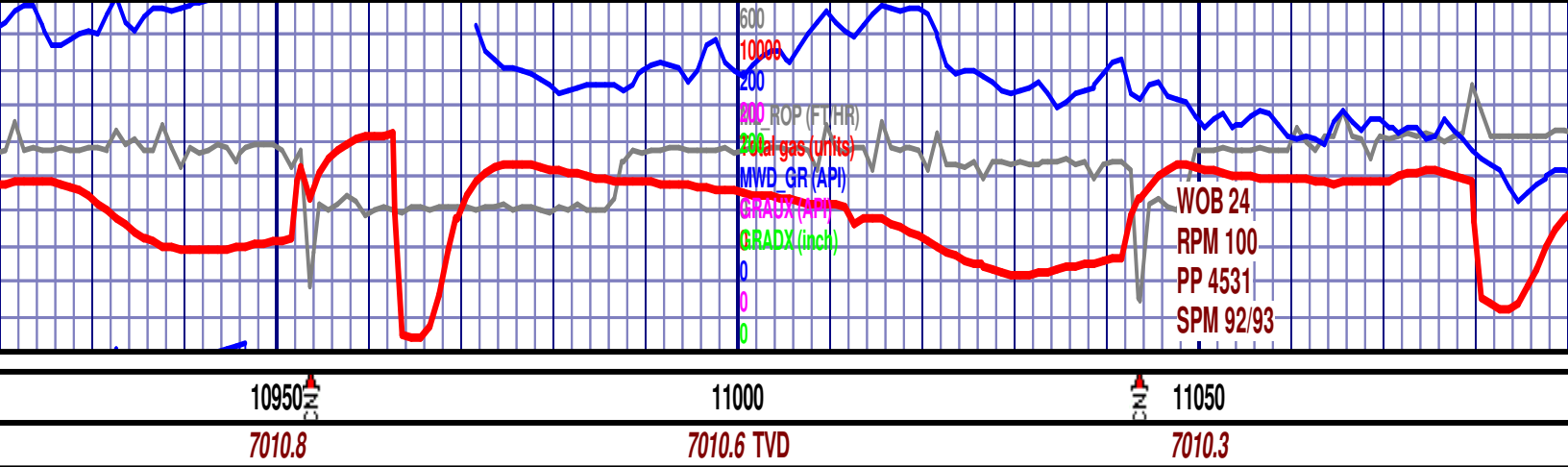


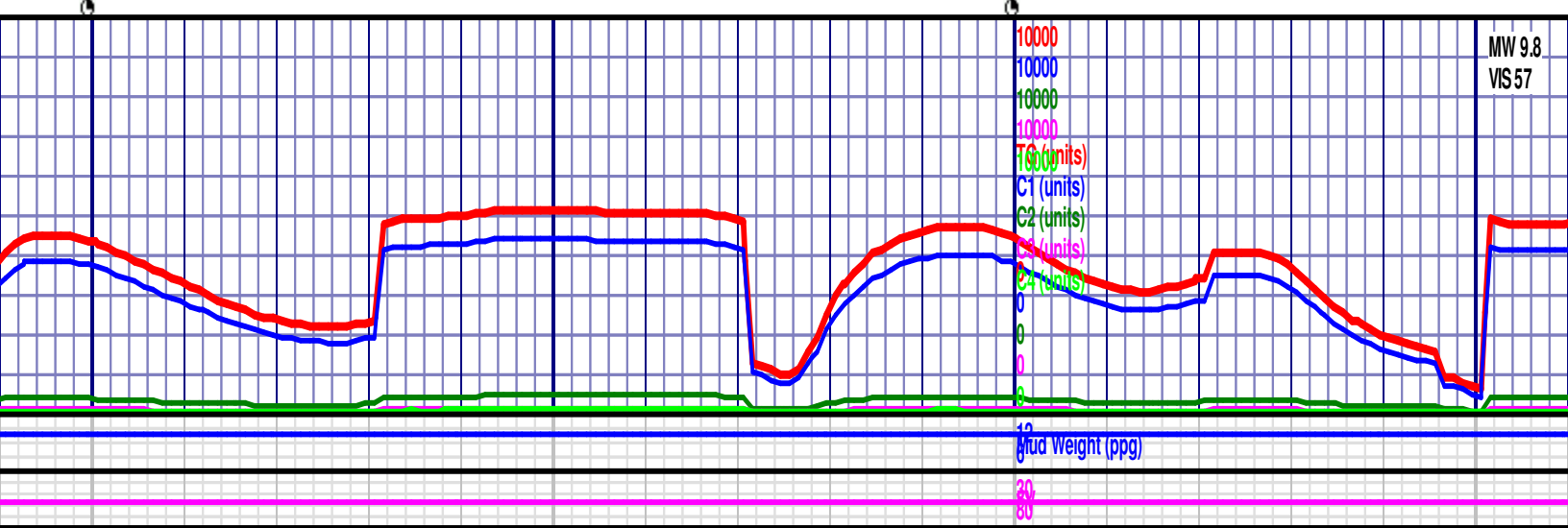
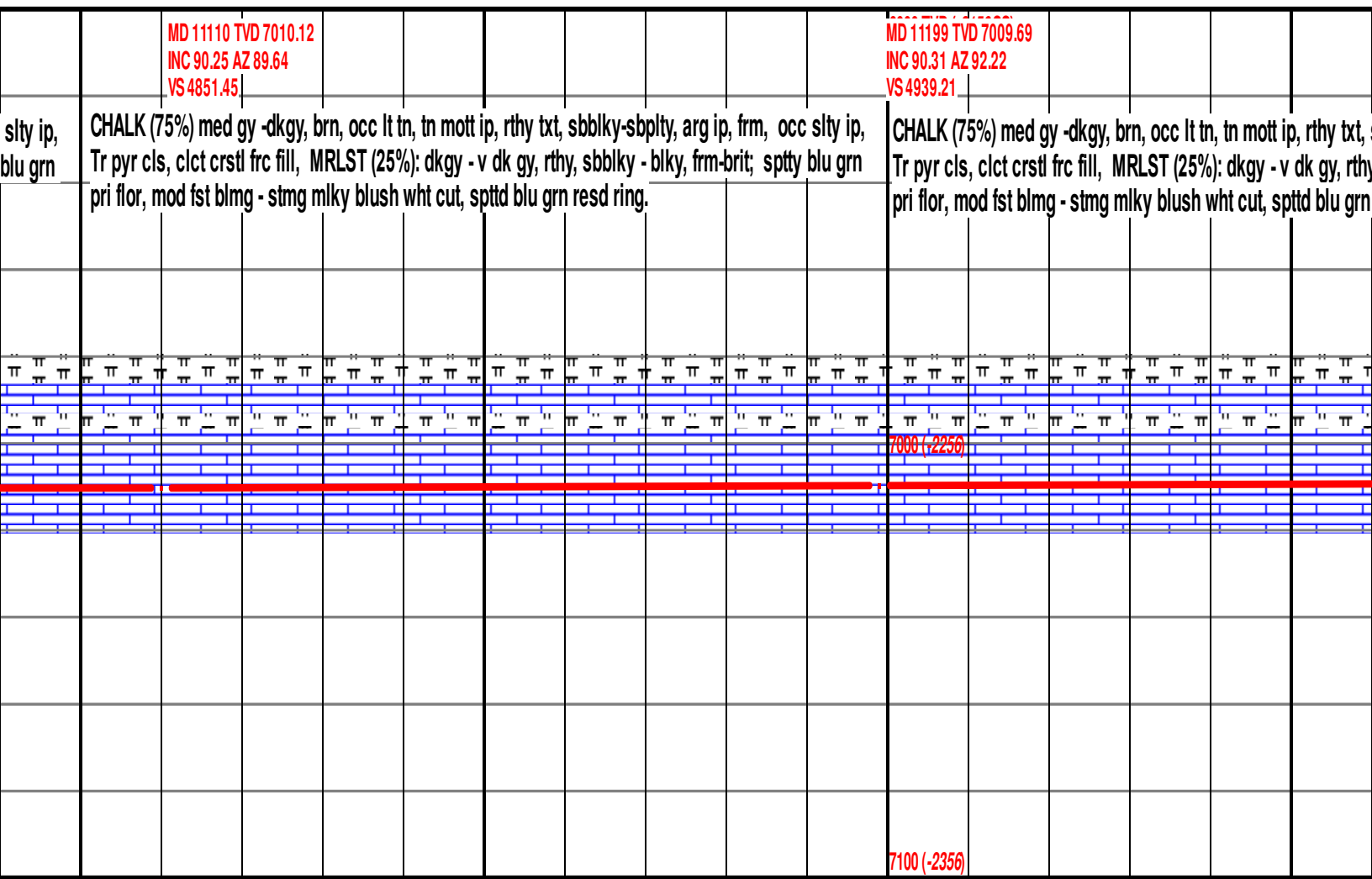
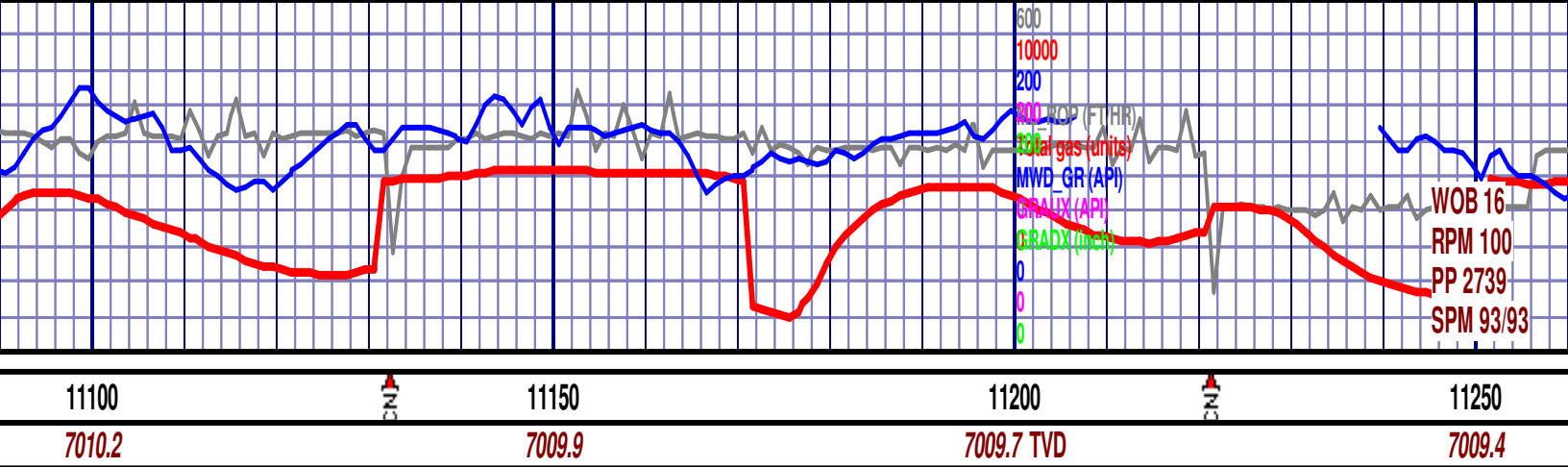


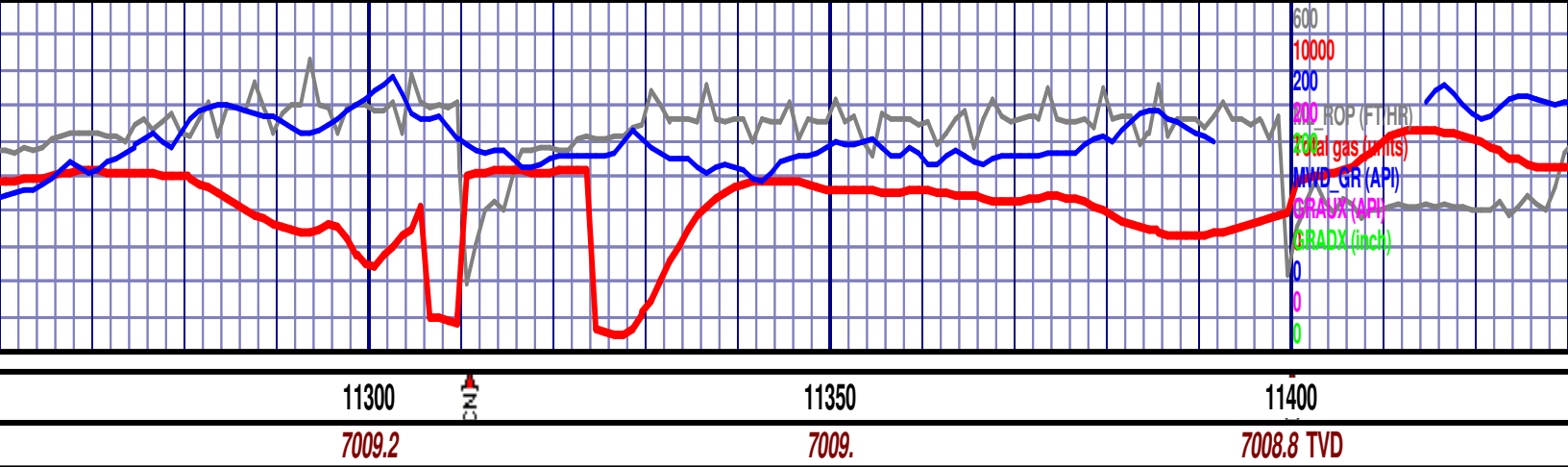


<p>MD 10752 TVD 7012.36 INC 90.71 AZ 90.31 VS 4496.73</p> <p>ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty ip, v dk gy, rthy, sbblky - blky, frm-brit; spty blu grn pttd blu grn resd ring.</p>	<p>6900 TVD (-2156 SS)</p> <p>CHALK (60%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty ip, Tr pyr cls, clct crstl frc fill, MRLST (40%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit; spty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spttd blu grn resd ring.</p>	<p>MD 10842 TVD 7011.58 INC 90.28 AZ 89.26 VS 4585.76</p> <p>CHALK (60%) med Tr pyr cls, clct crs pri flor, mod fst bln</p>	
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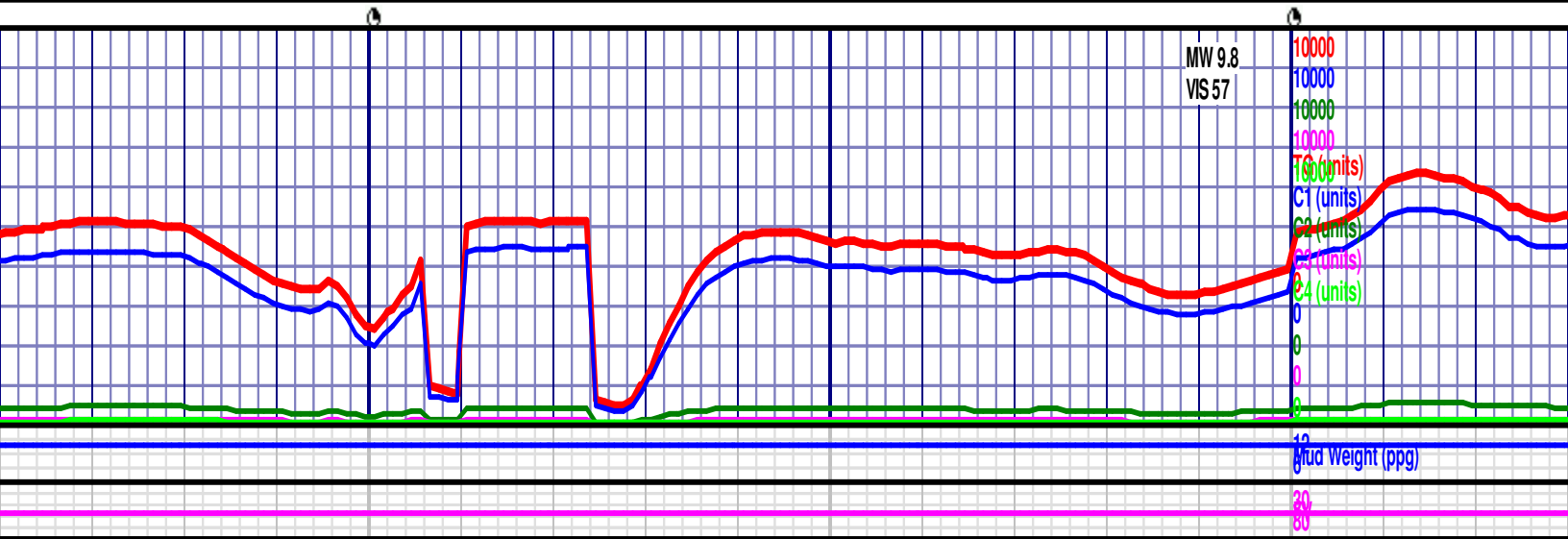


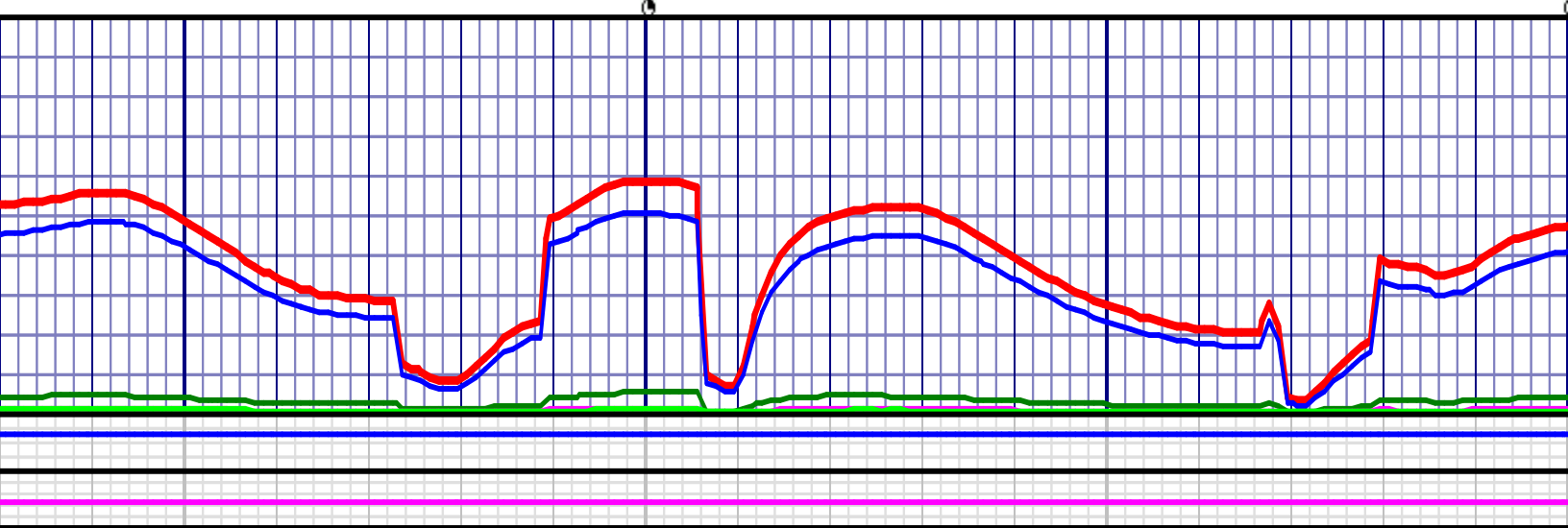
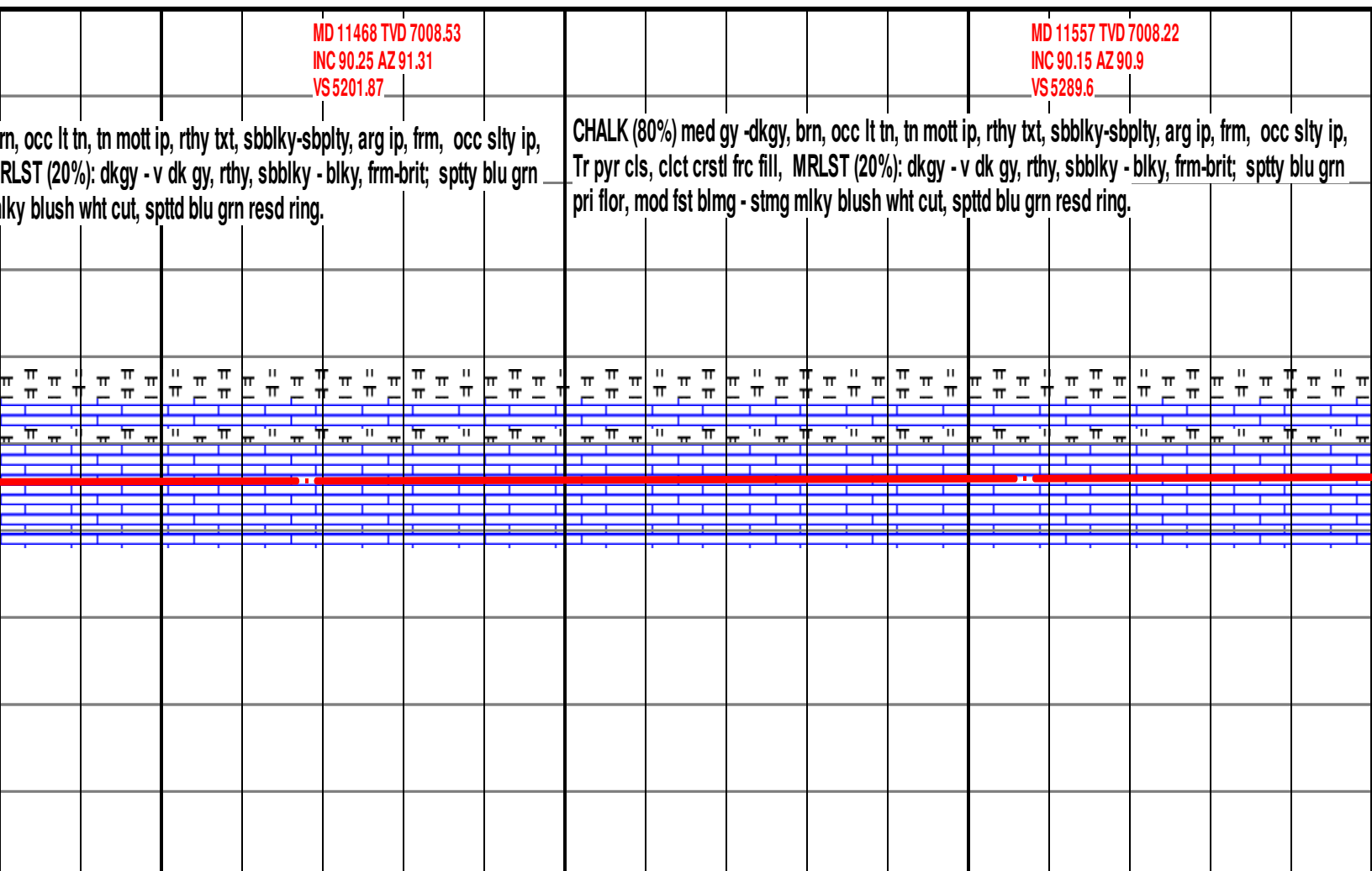
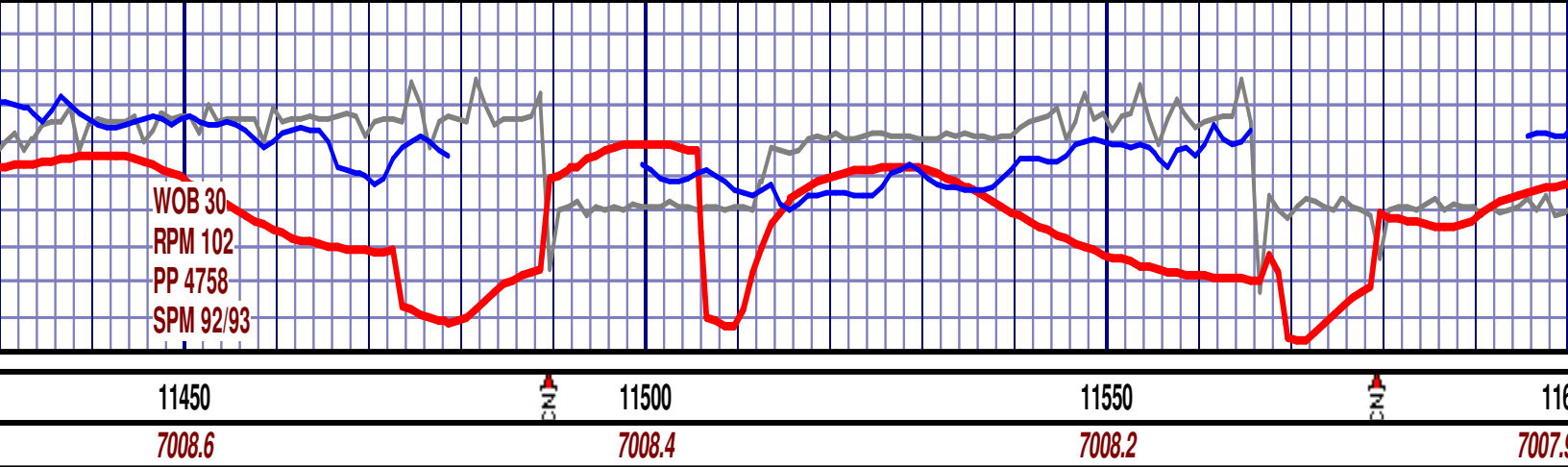


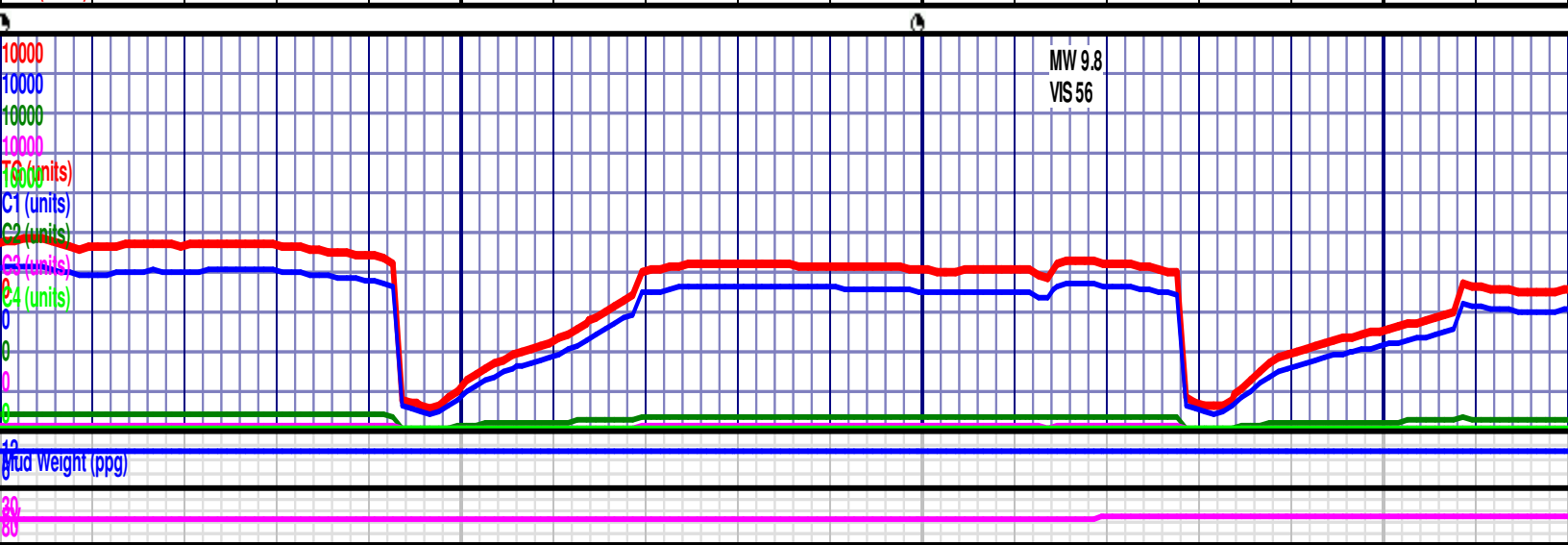
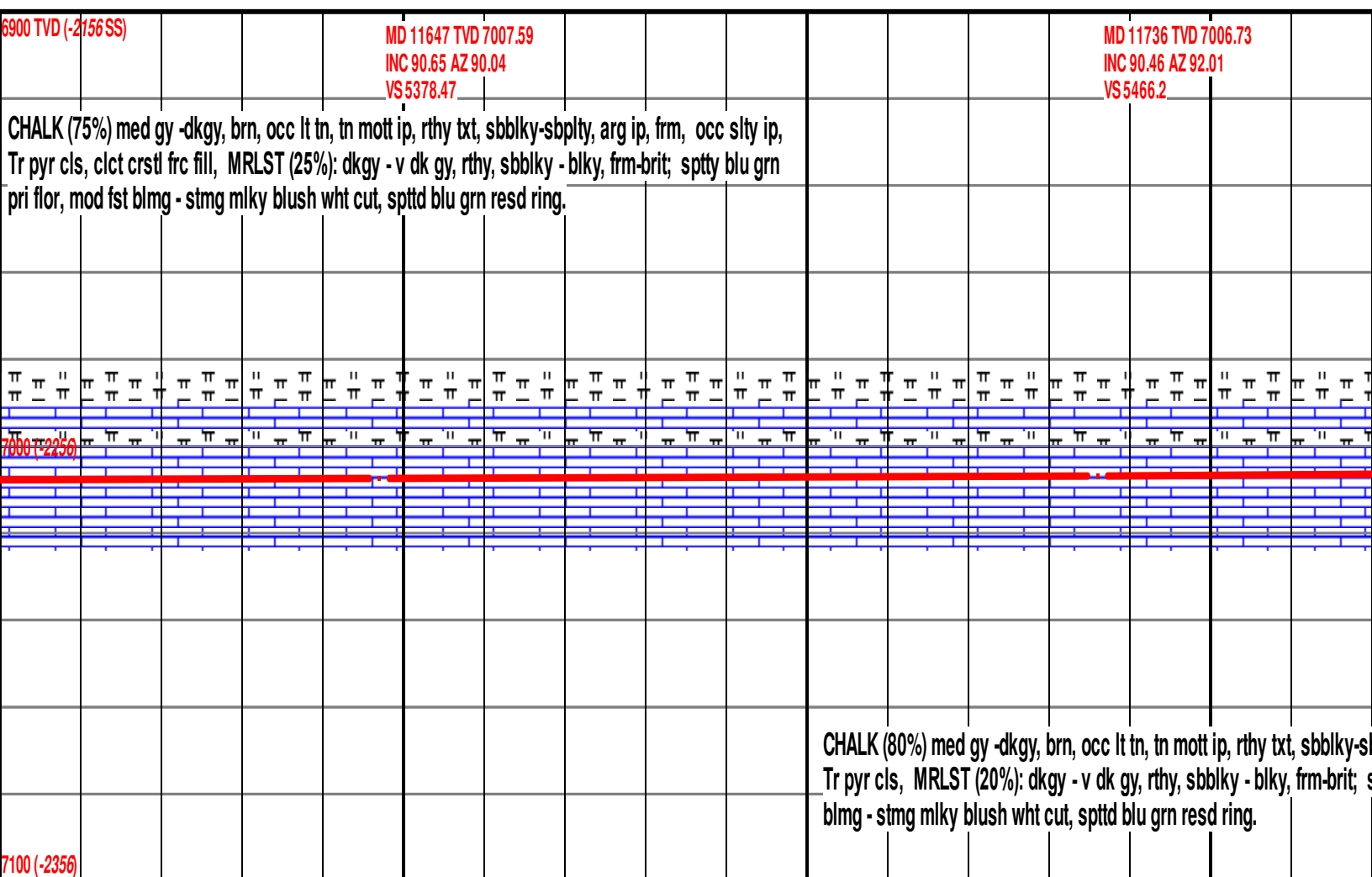


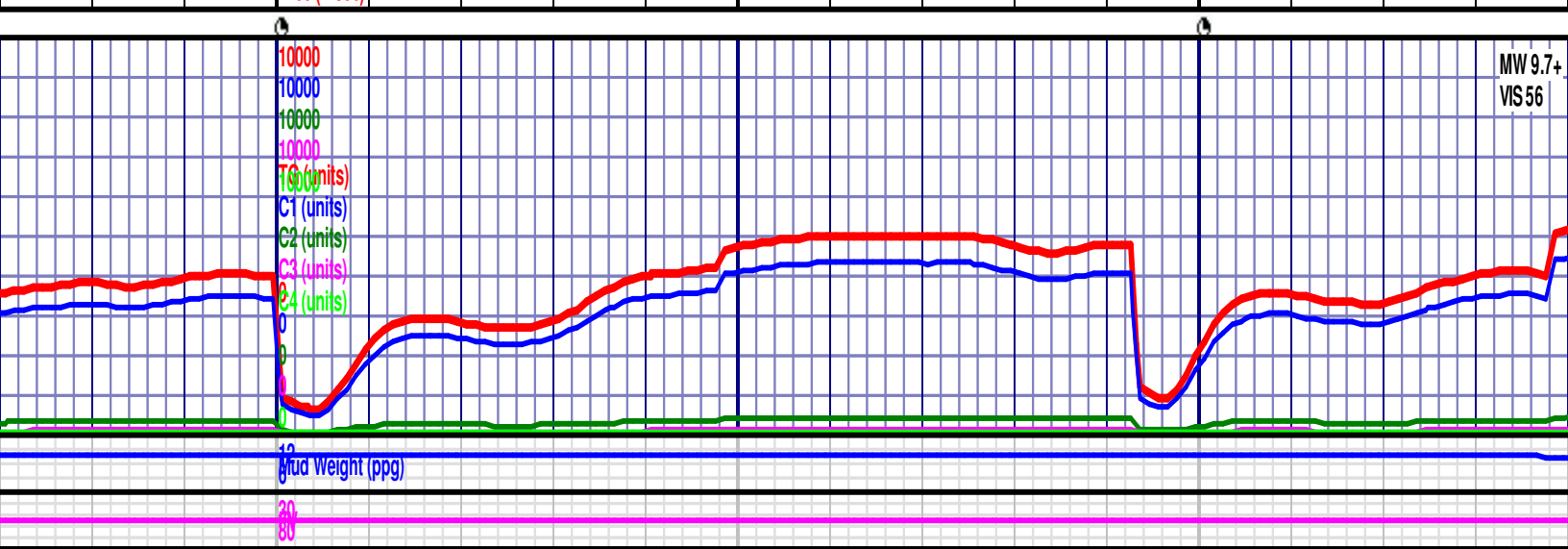
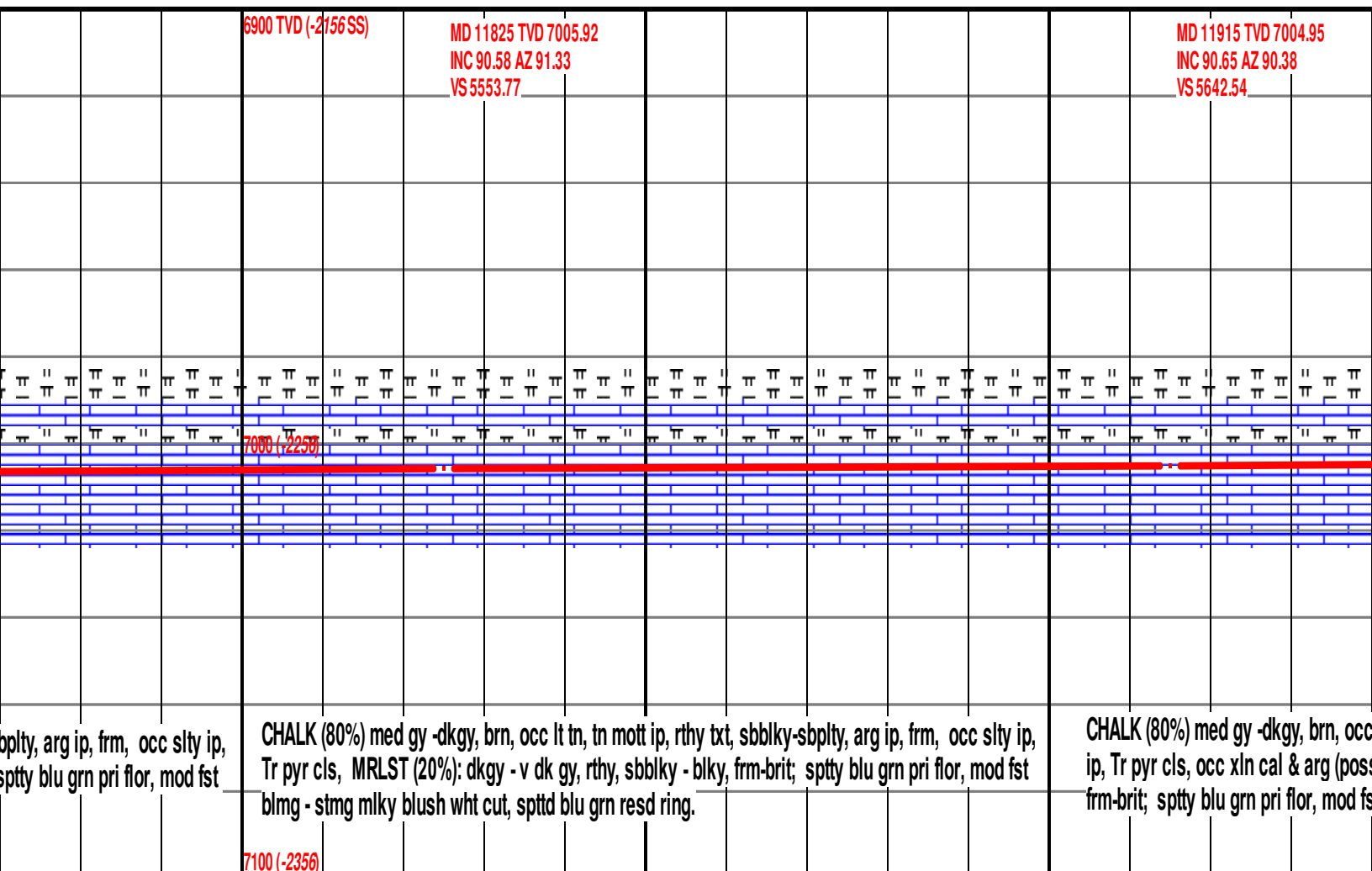
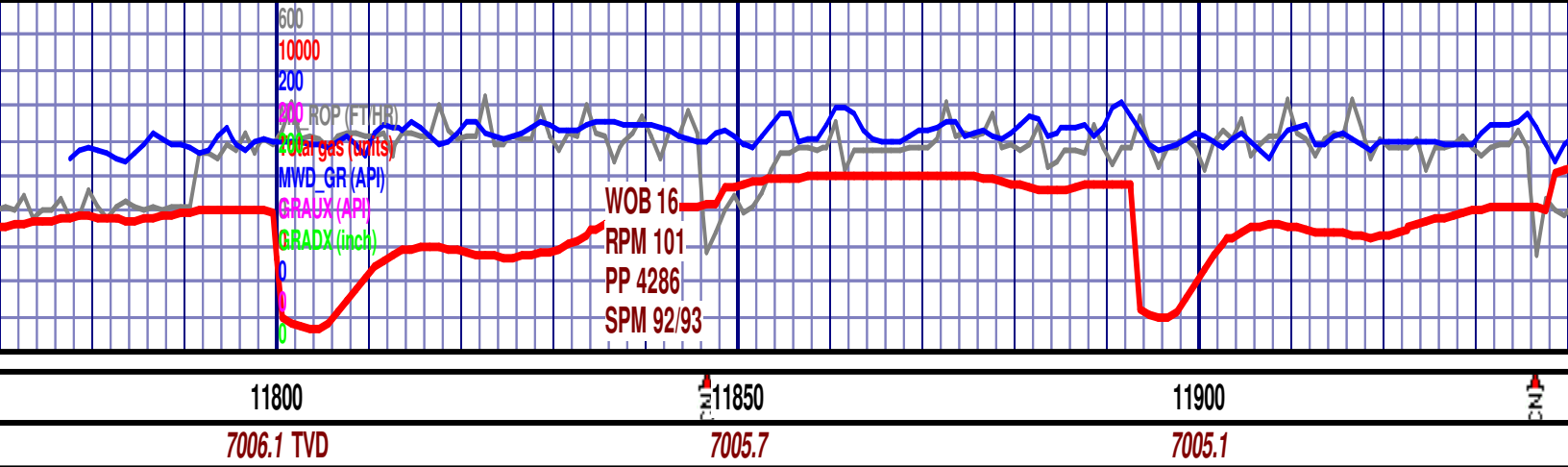


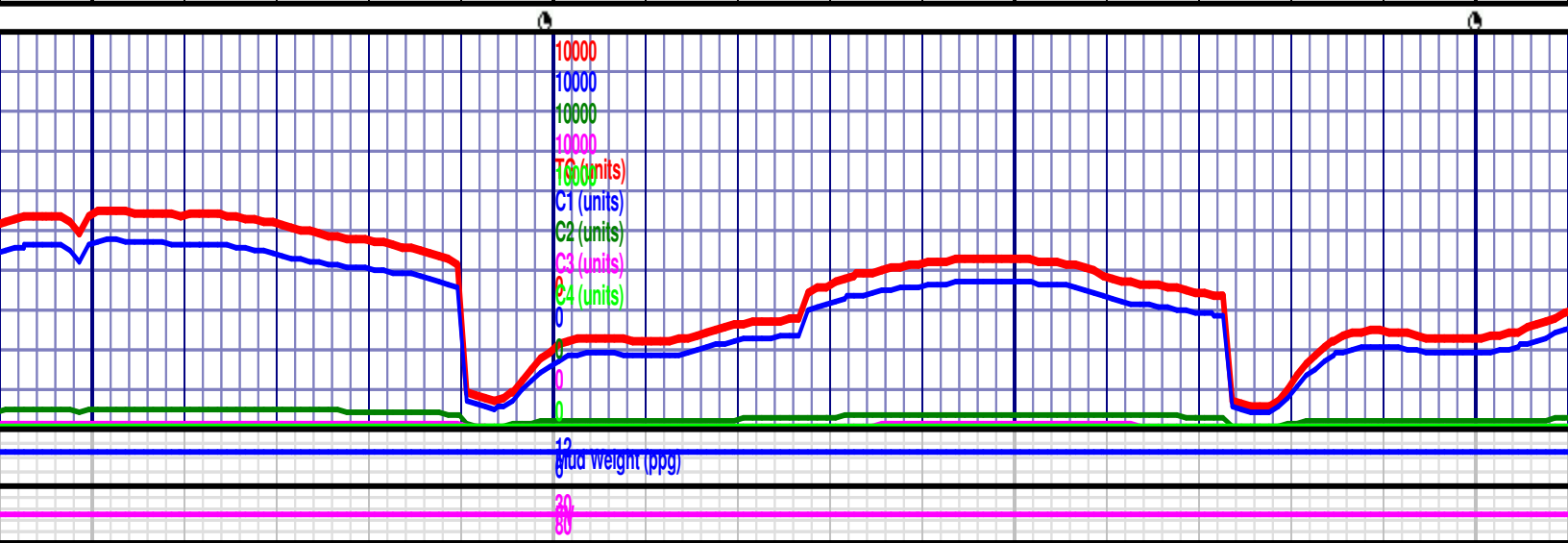
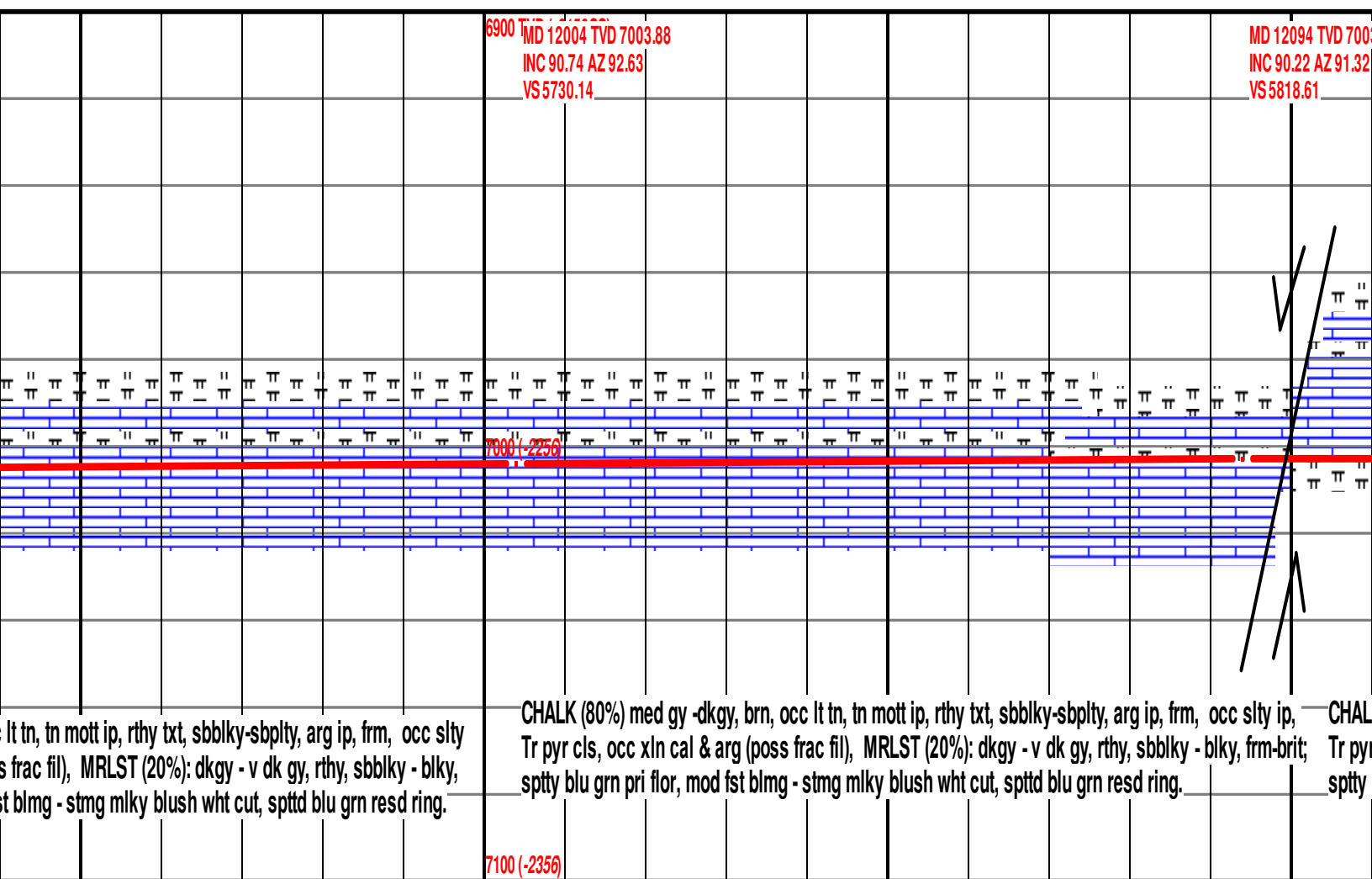
<p>MD 11289 TVD 7009.22 INC 90.28 AZ 94.2 VS 5027.3</p>	<p>MD 11378 TVD 7008.87 INC 90.18 AZ 95.46 VS 5113.86</p>	<p>6900 TVD (-2156 SS)</p>
<p>sbblky-sbplty, arg ip, frm, occ slty ip, /, sbblky - blky, frm-brit; sppty blu grn resd ring.</p>	<p>CHALK (75%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbplty, arg ip, frm, occ slty ip, Tr pyr cls, clct crstl frc fill, MRLST (25%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit; sppty blu grn pri flor, mod fst blmg - stmg mlky blush wht cut, spptd blu grn resd ring.</p>	<p>CHALK (80%) med gy -dkgy, b Tr pyr cls, clct crstl frc fill, M pri flor, mod fst blmg - stmg m</p>

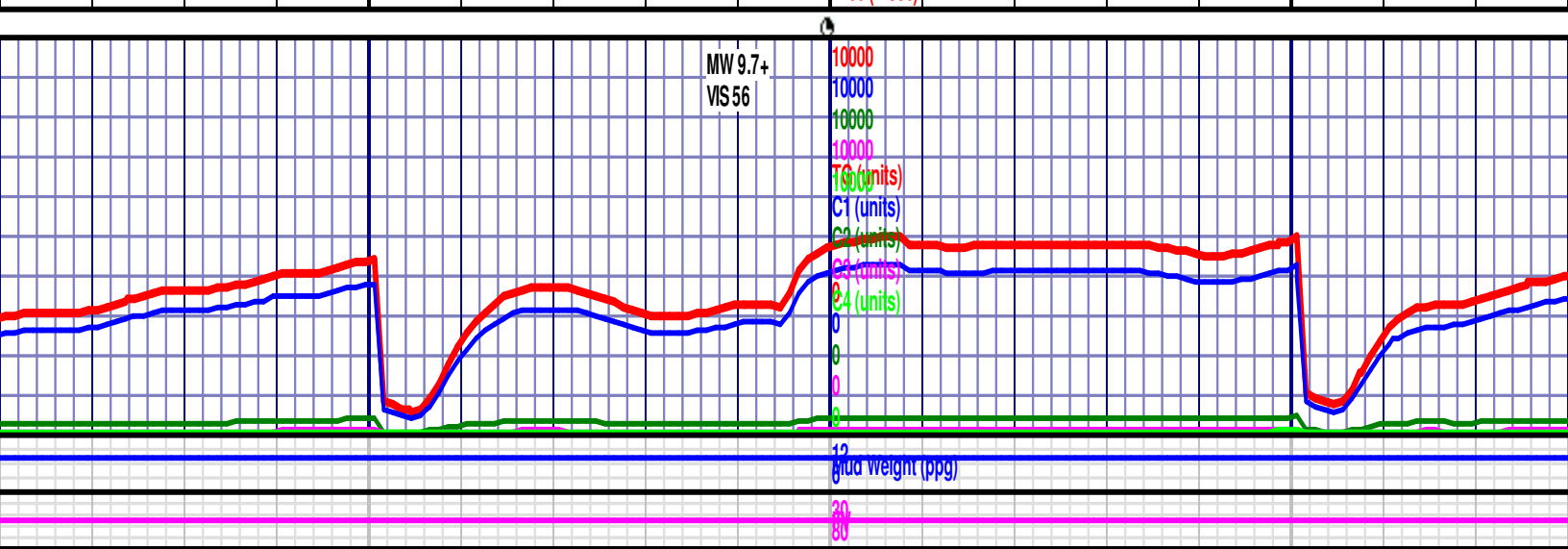
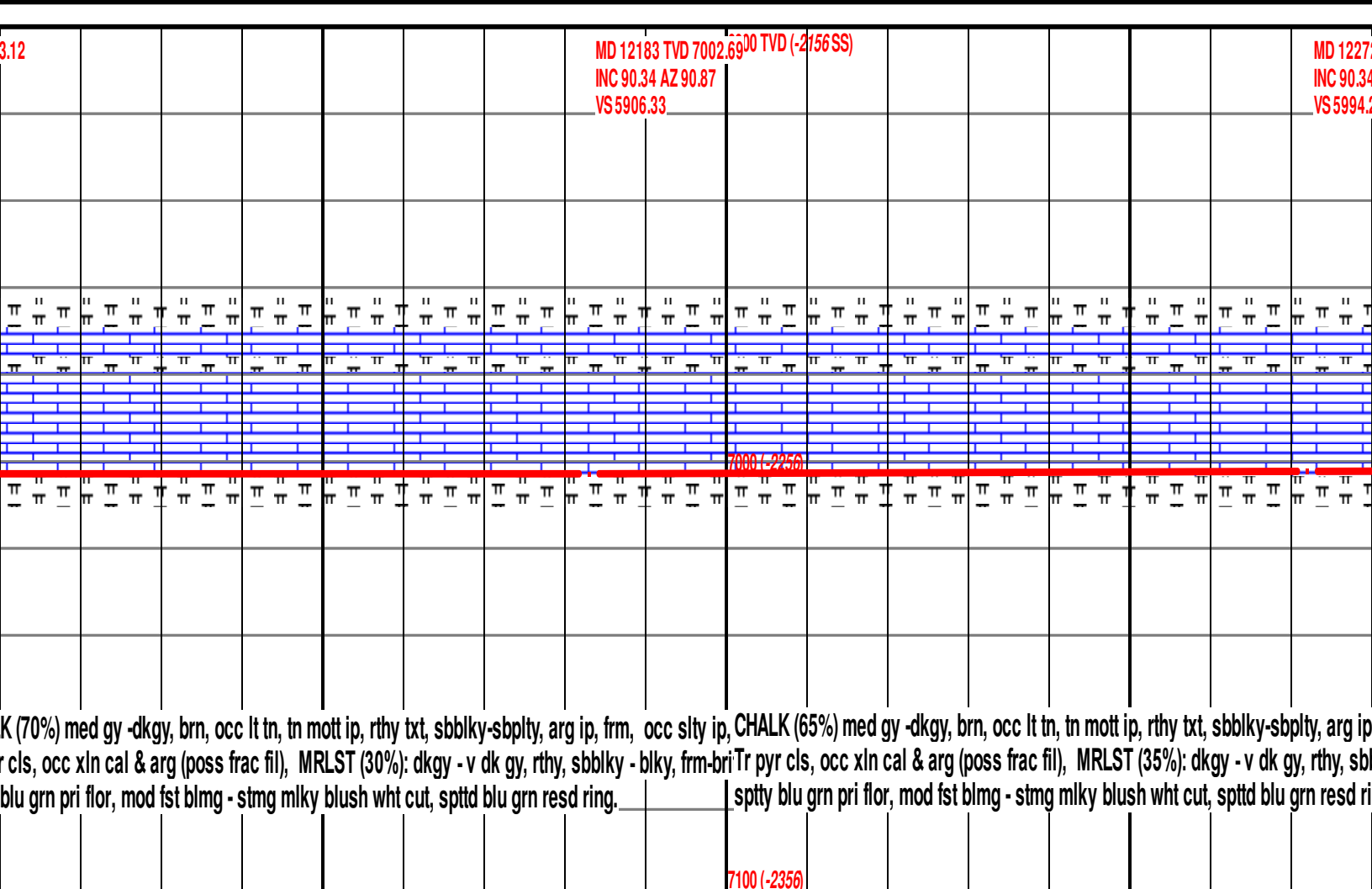
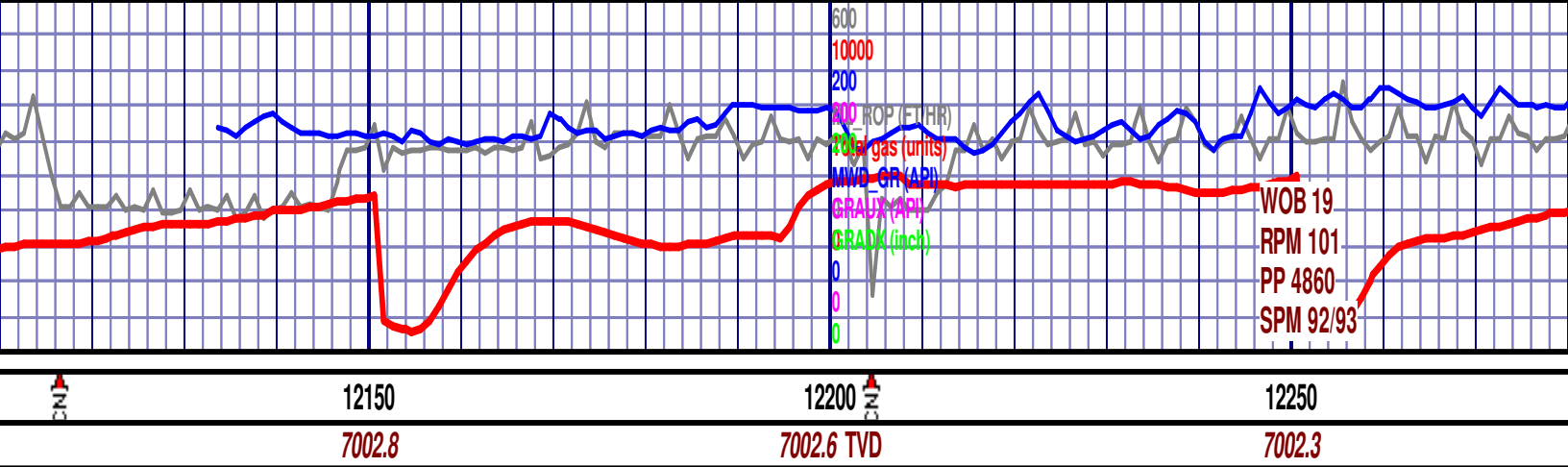


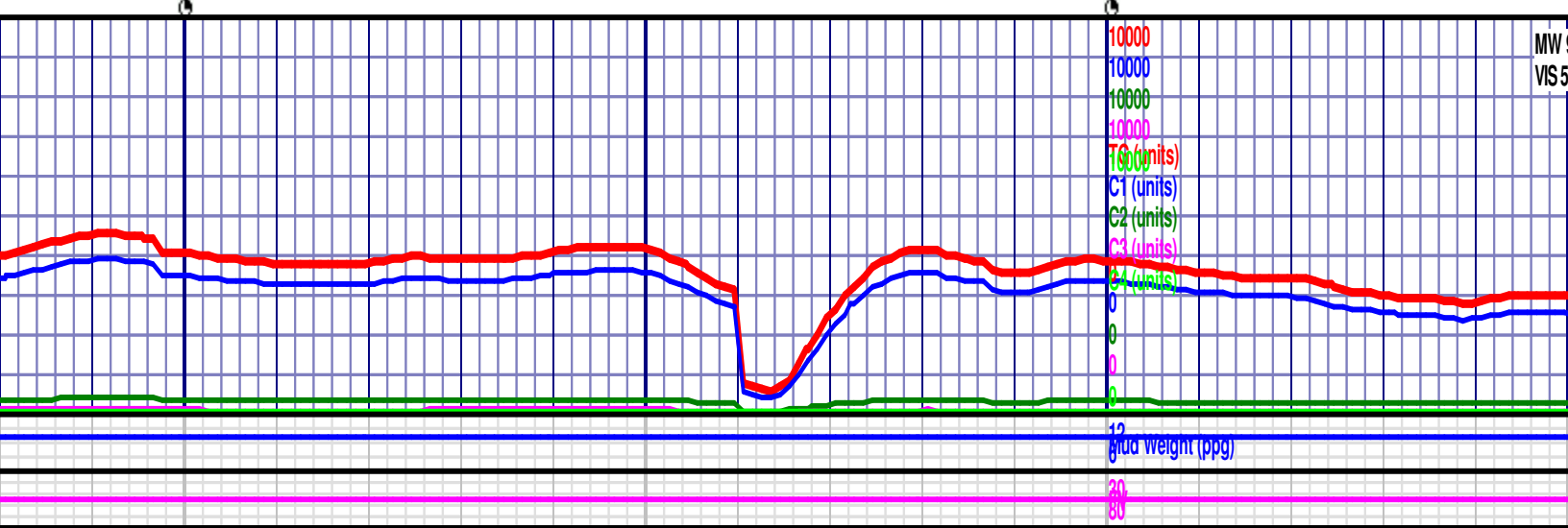
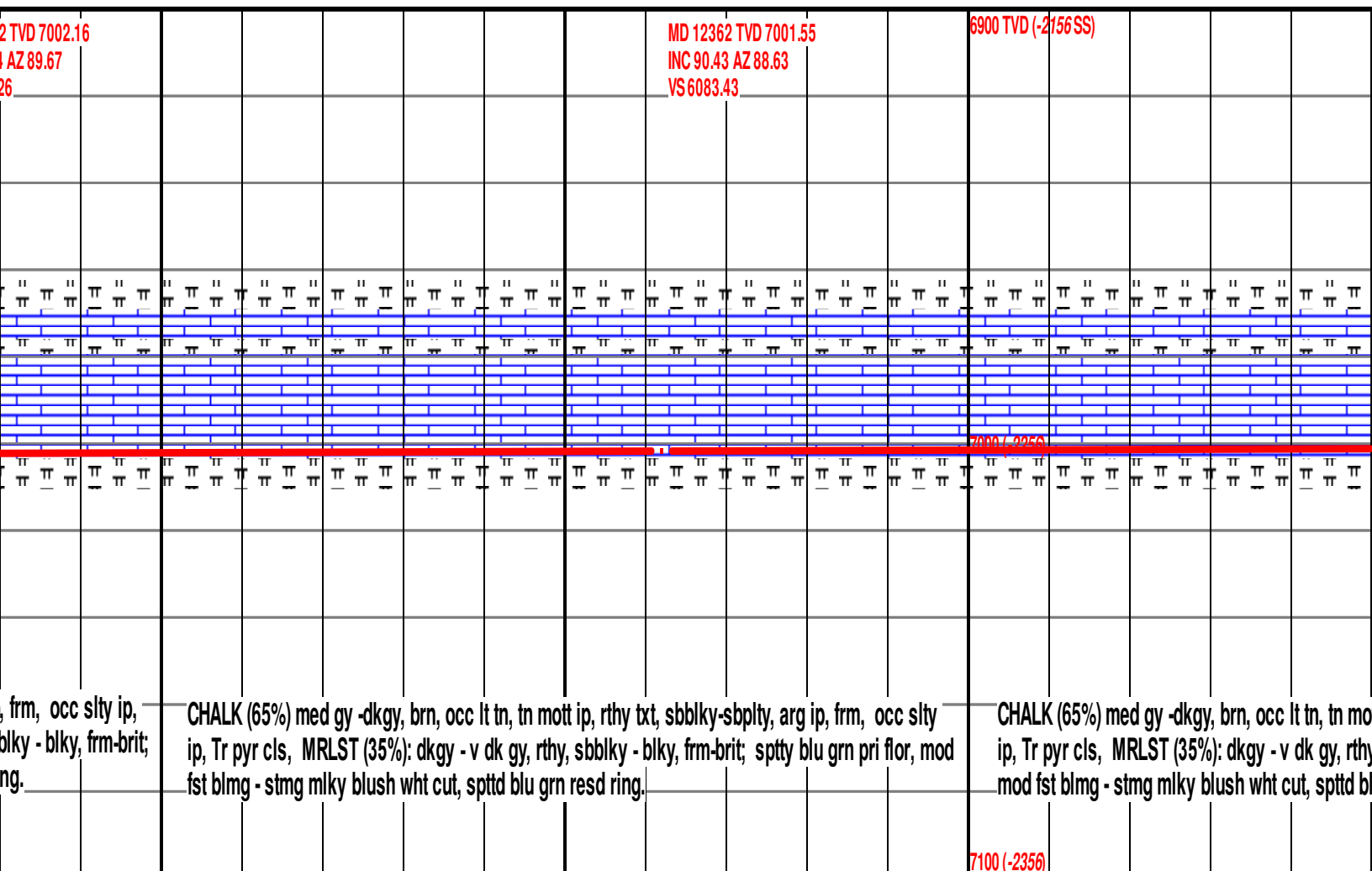
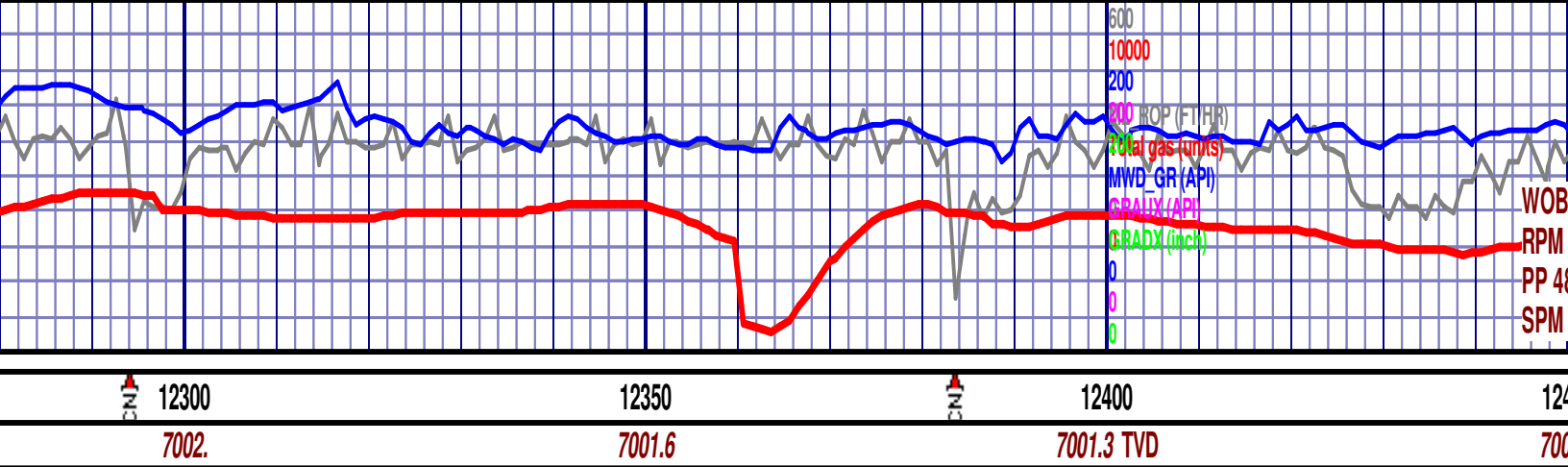


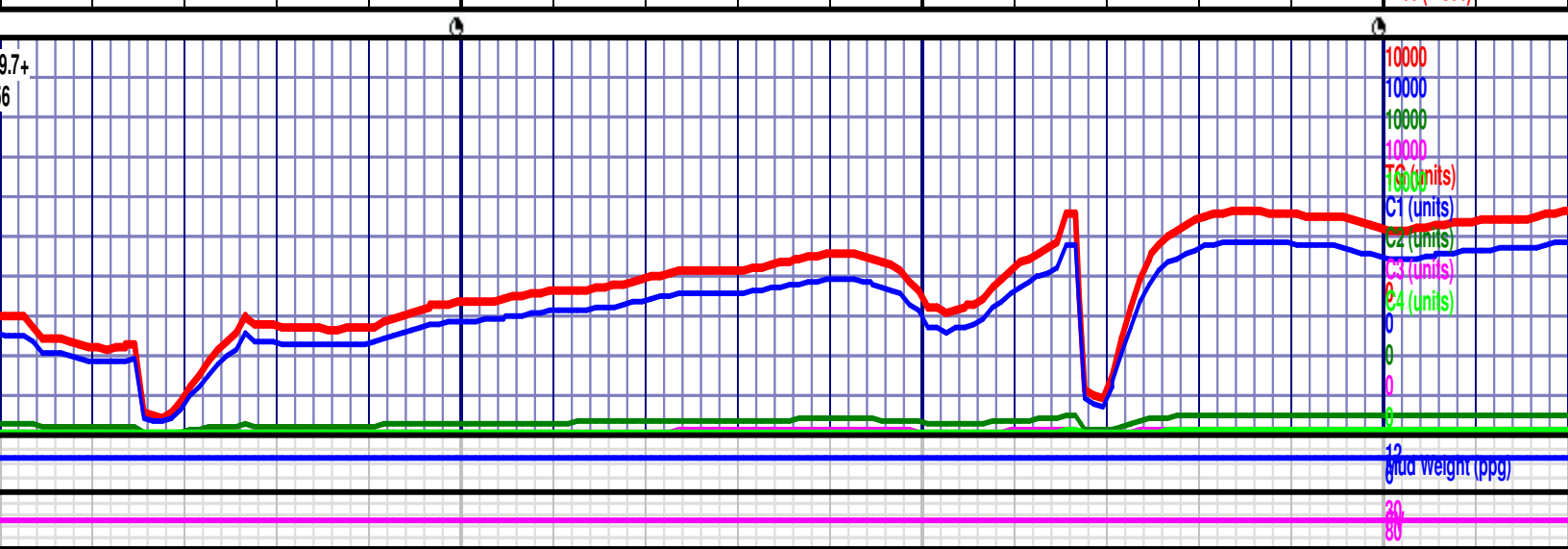
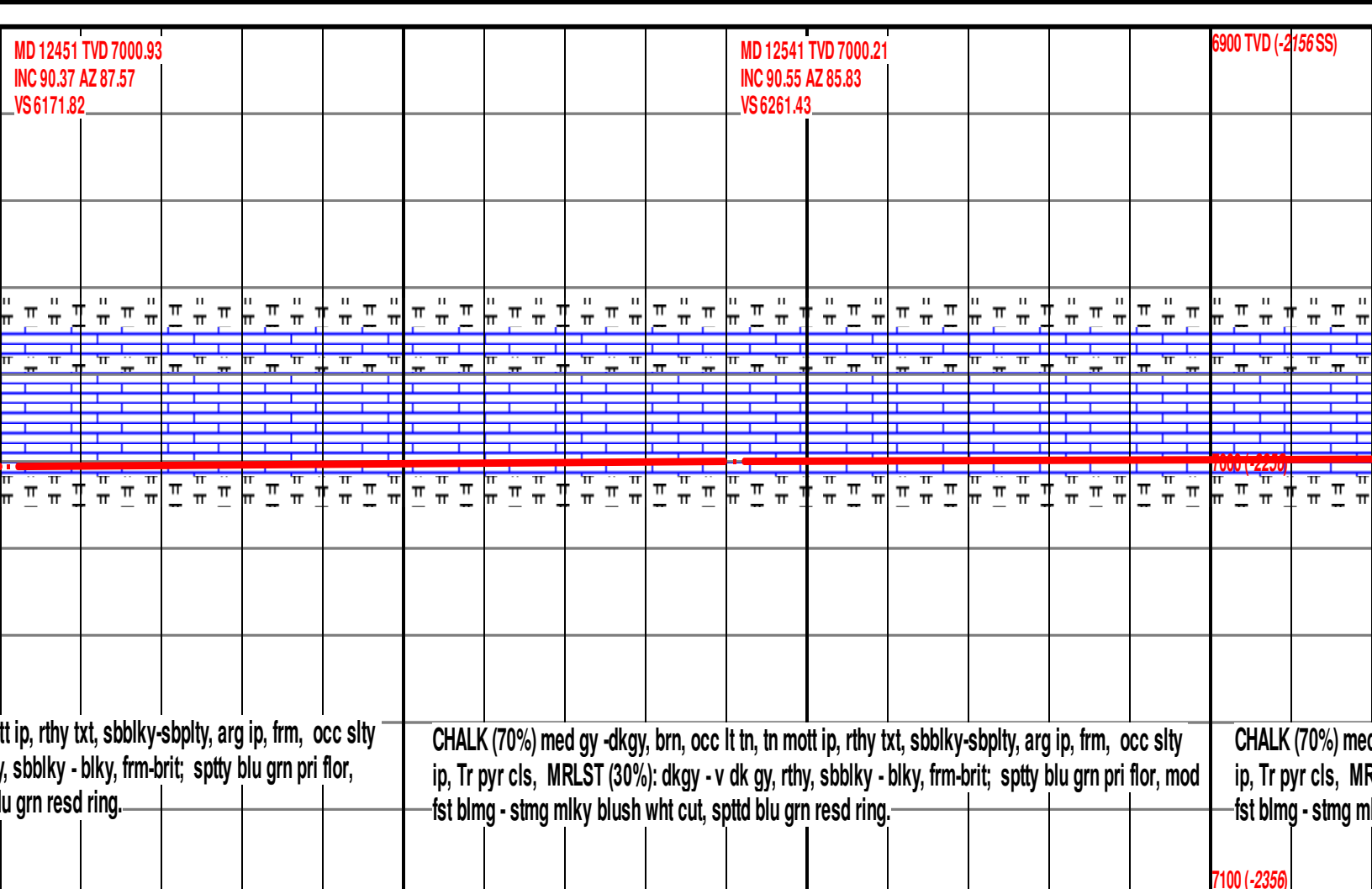
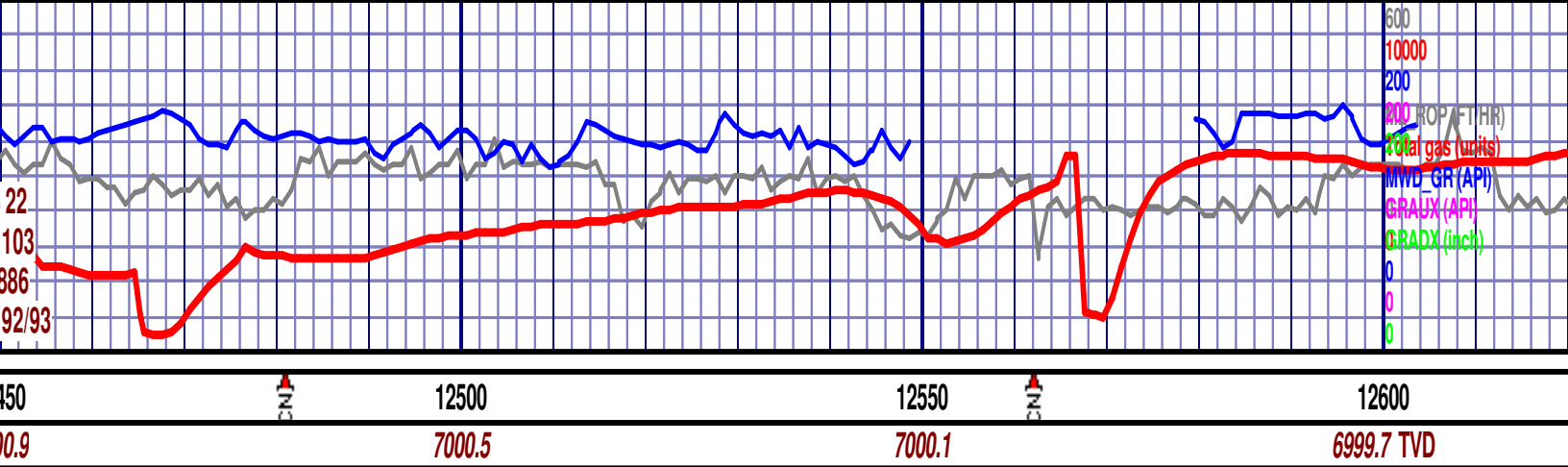


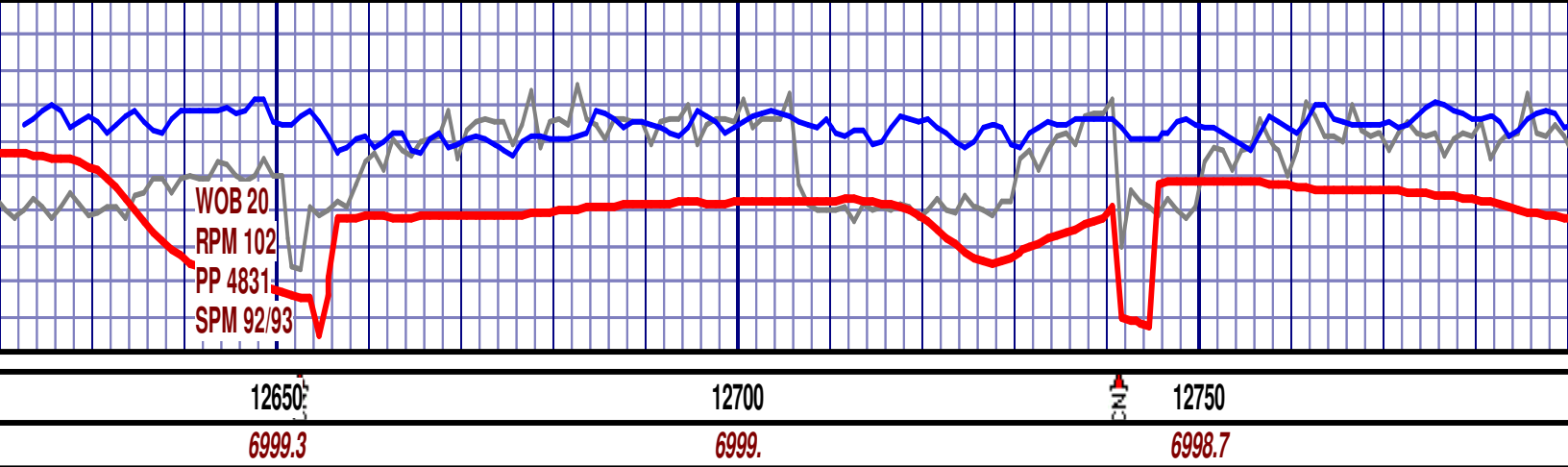




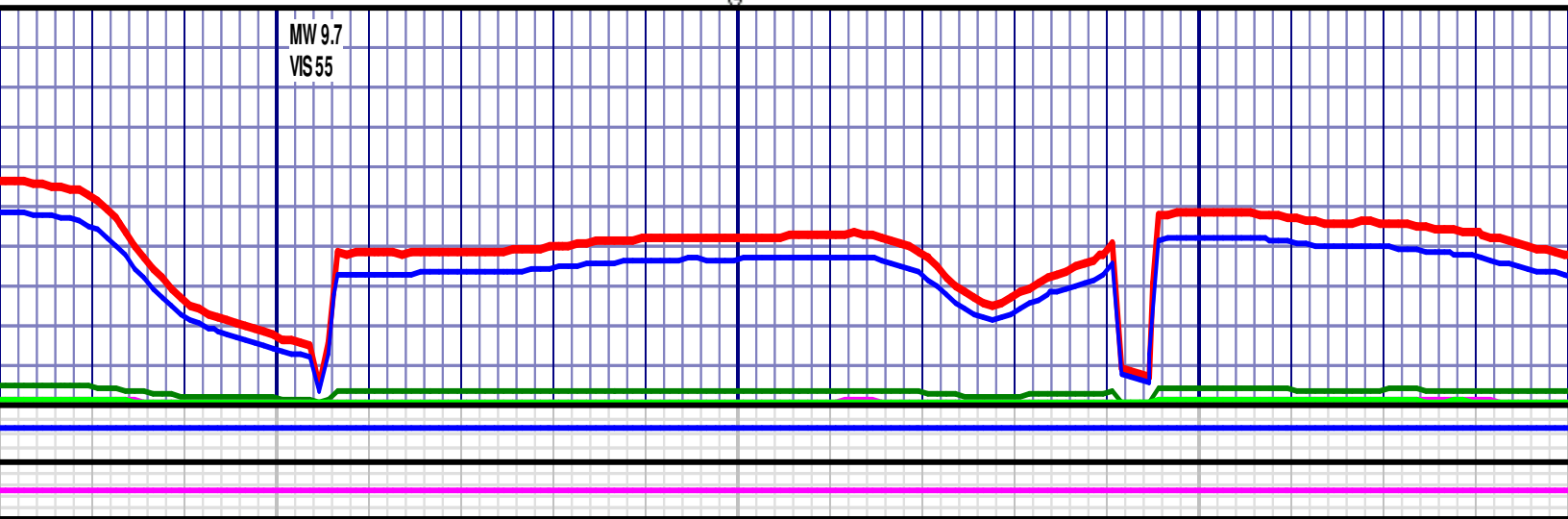


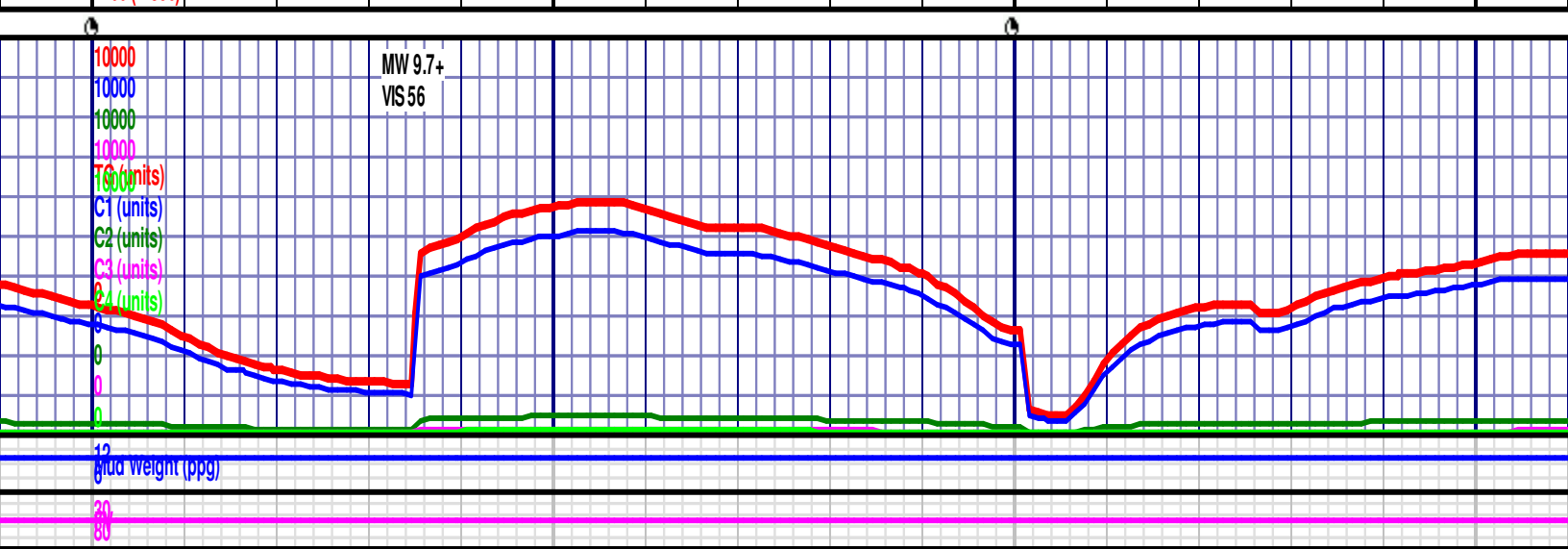
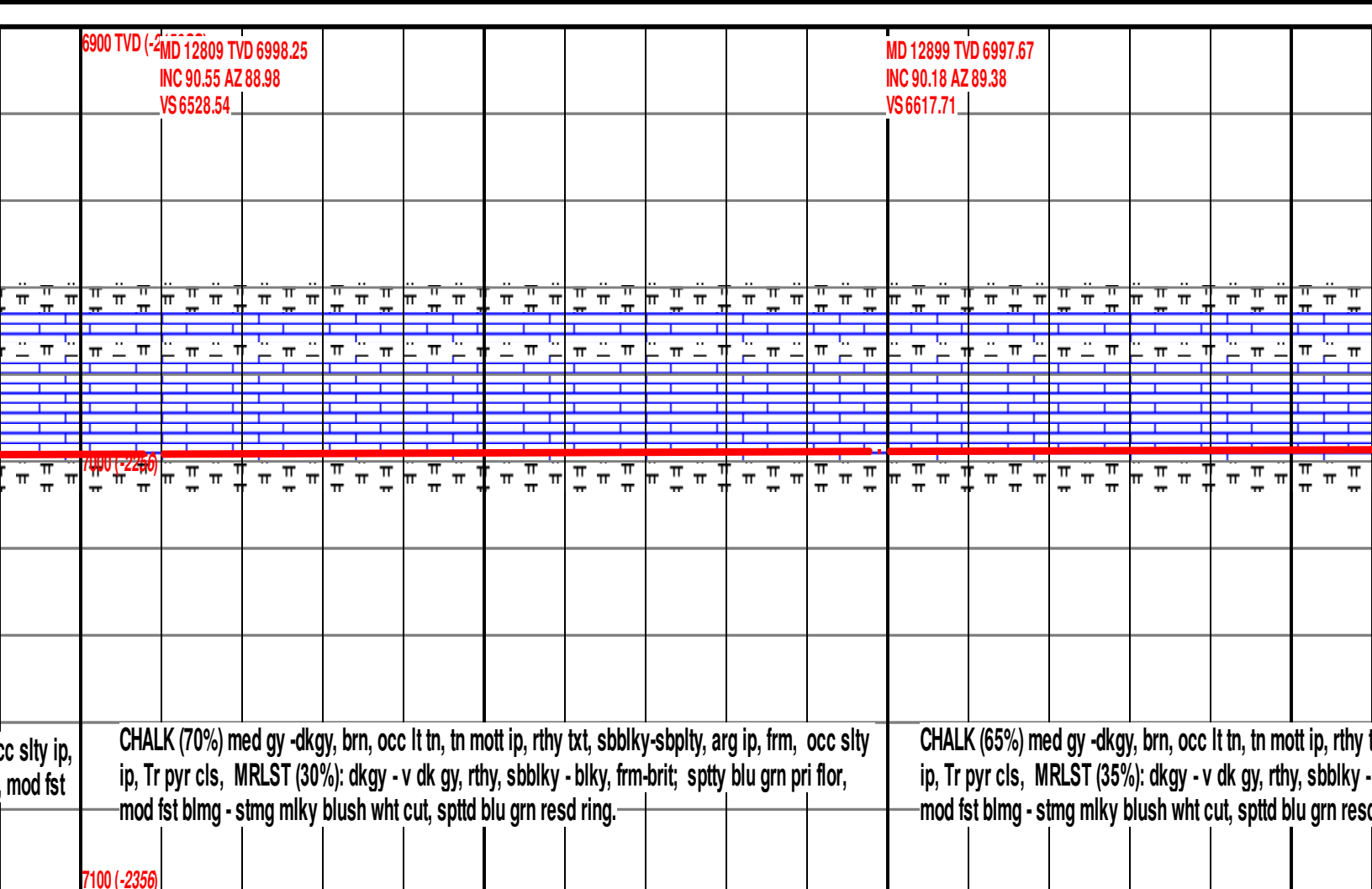
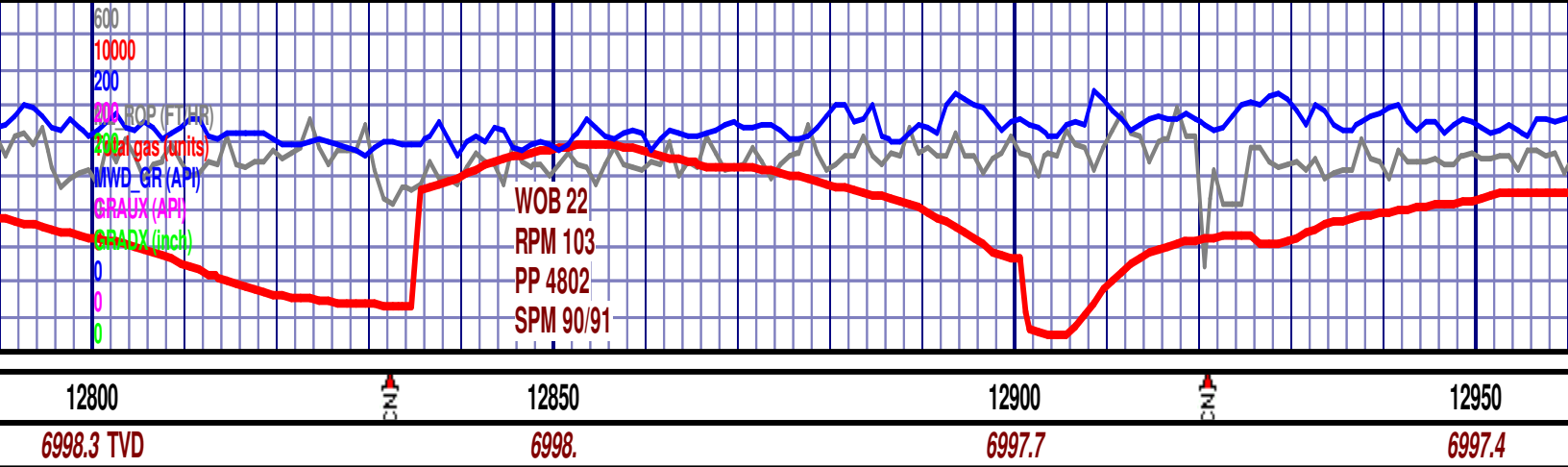


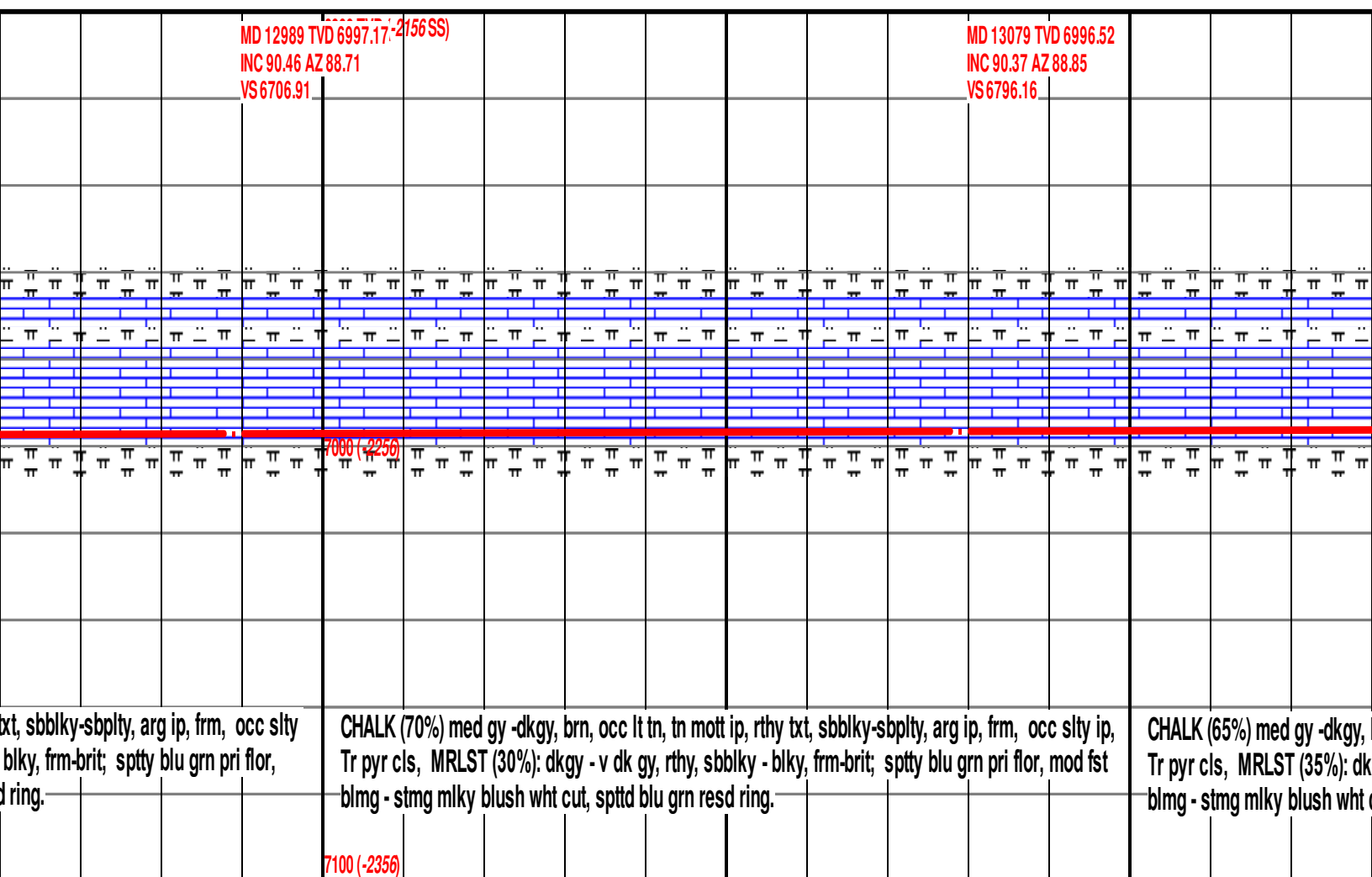


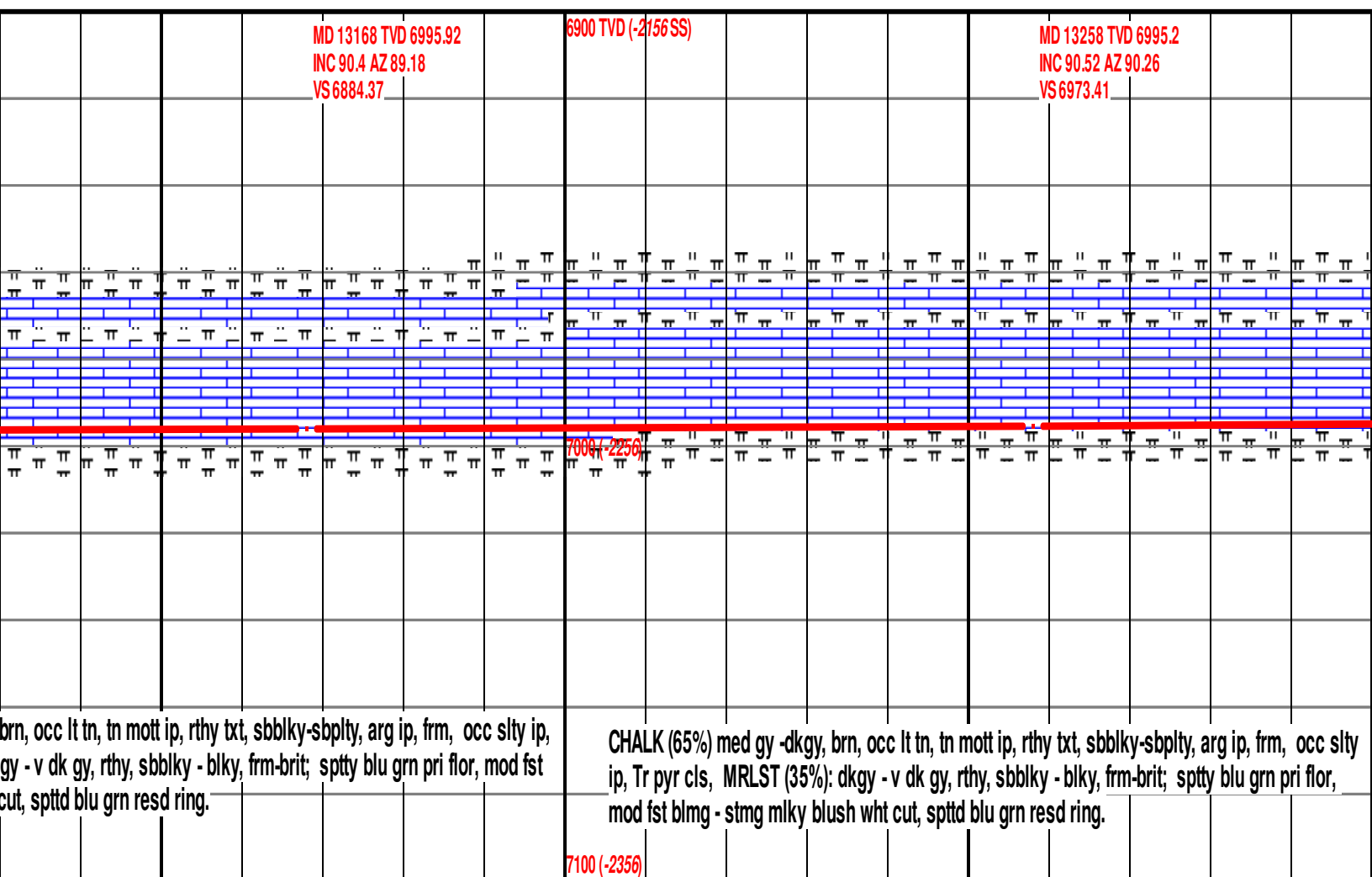


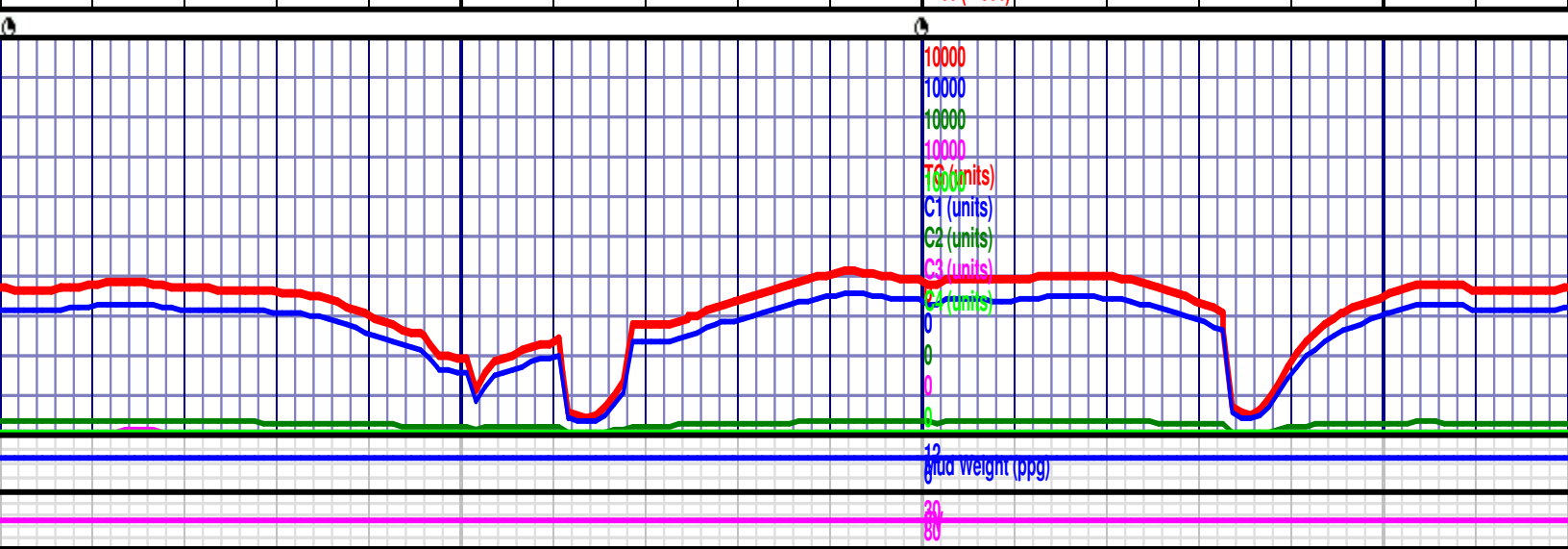
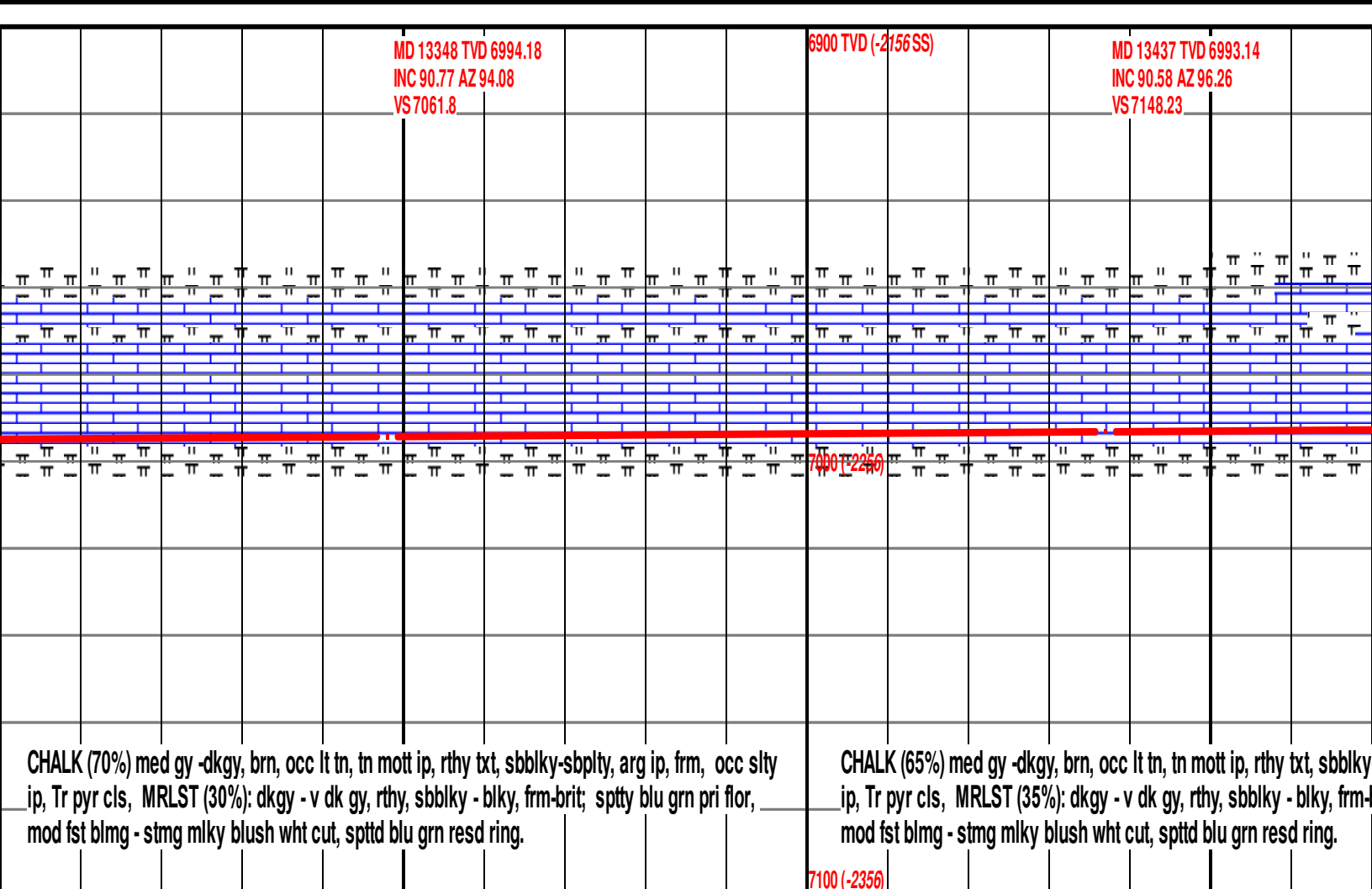
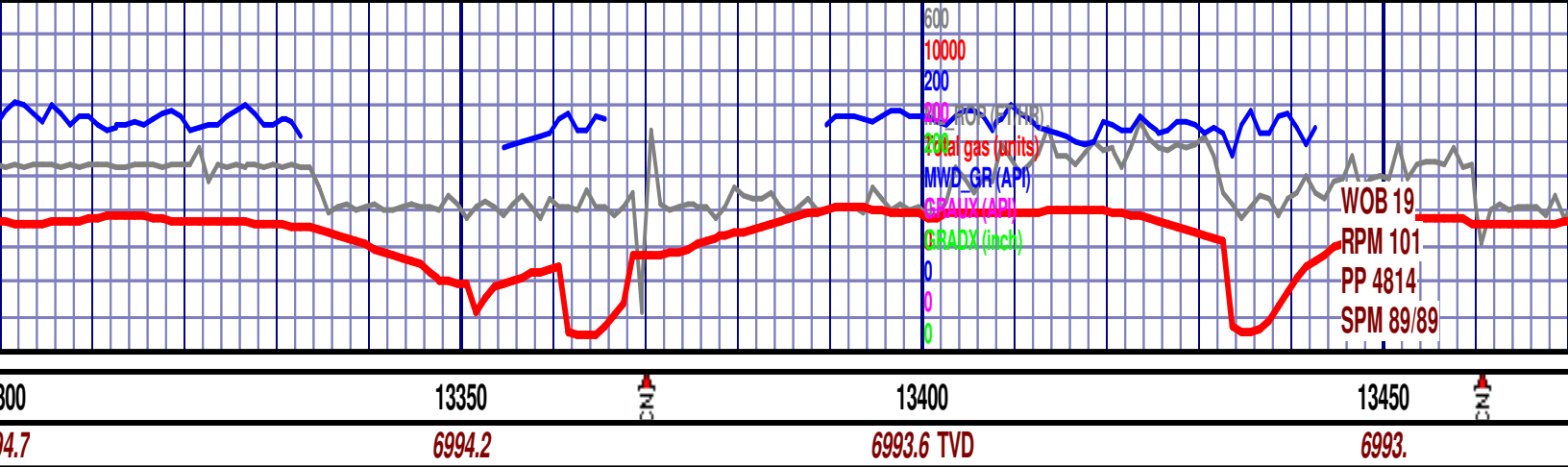
MD 12630 TVD 6999.47 INC 90.4 AZ 84.06 VS 6350.25		MD 12720 TVD 6998.91 INC 90.31 AZ 86.01 VS 6440.06	
d gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty MRLST (30%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; spty blu grn pri flor, mod blk blush wht cut, spttd blu grn resd ring.		CHALK (65%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, oc Tr pyr cls, MRLST (35%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; spty blu grn pri flor, blmg - stmg mlky blush wht cut, spttd blu grn resd ring.	

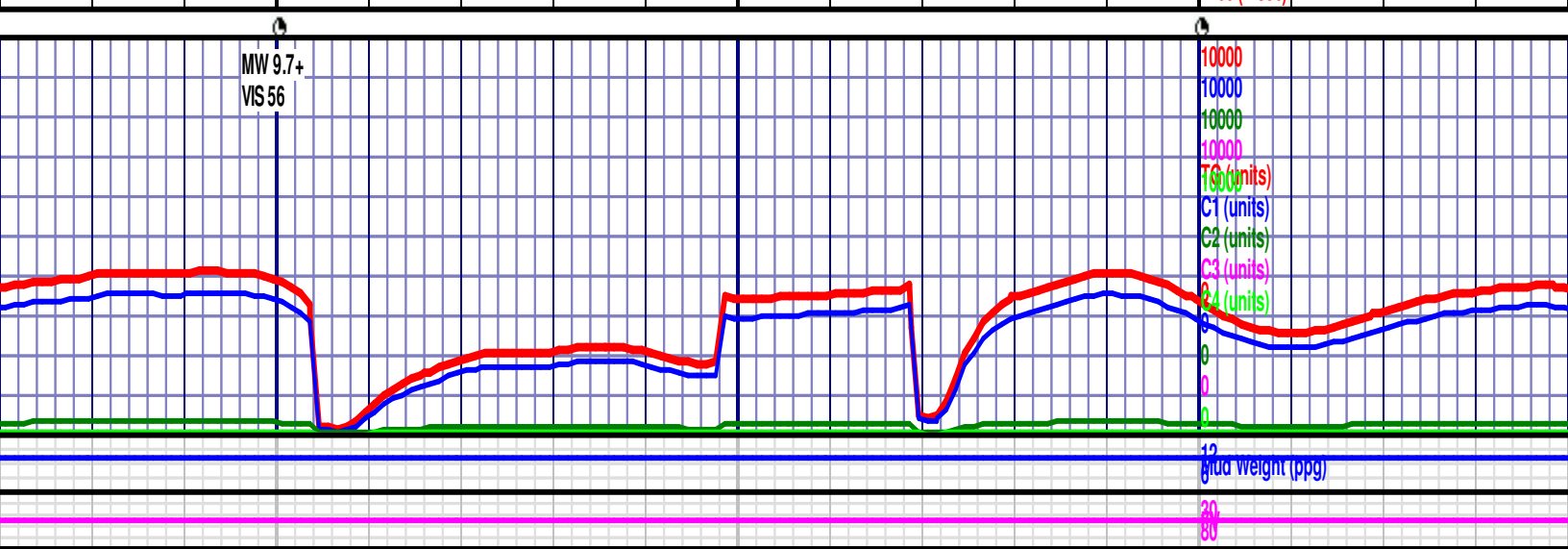
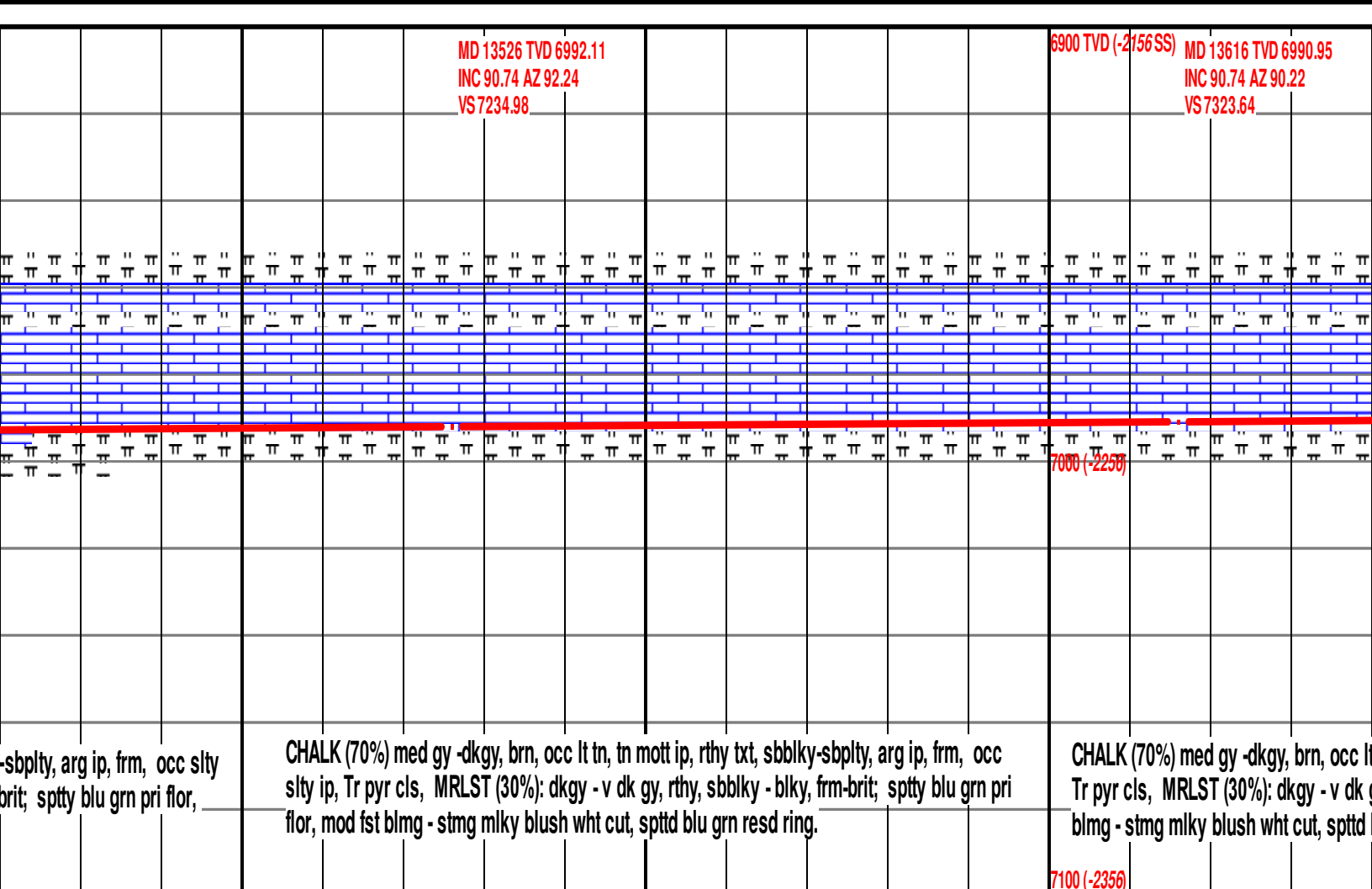
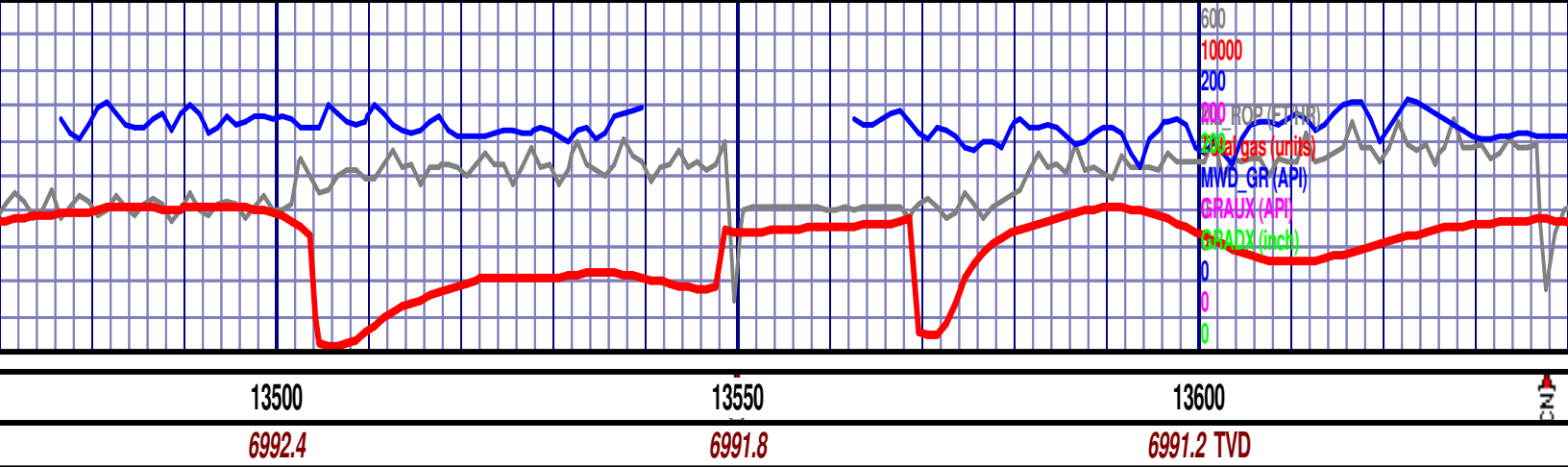


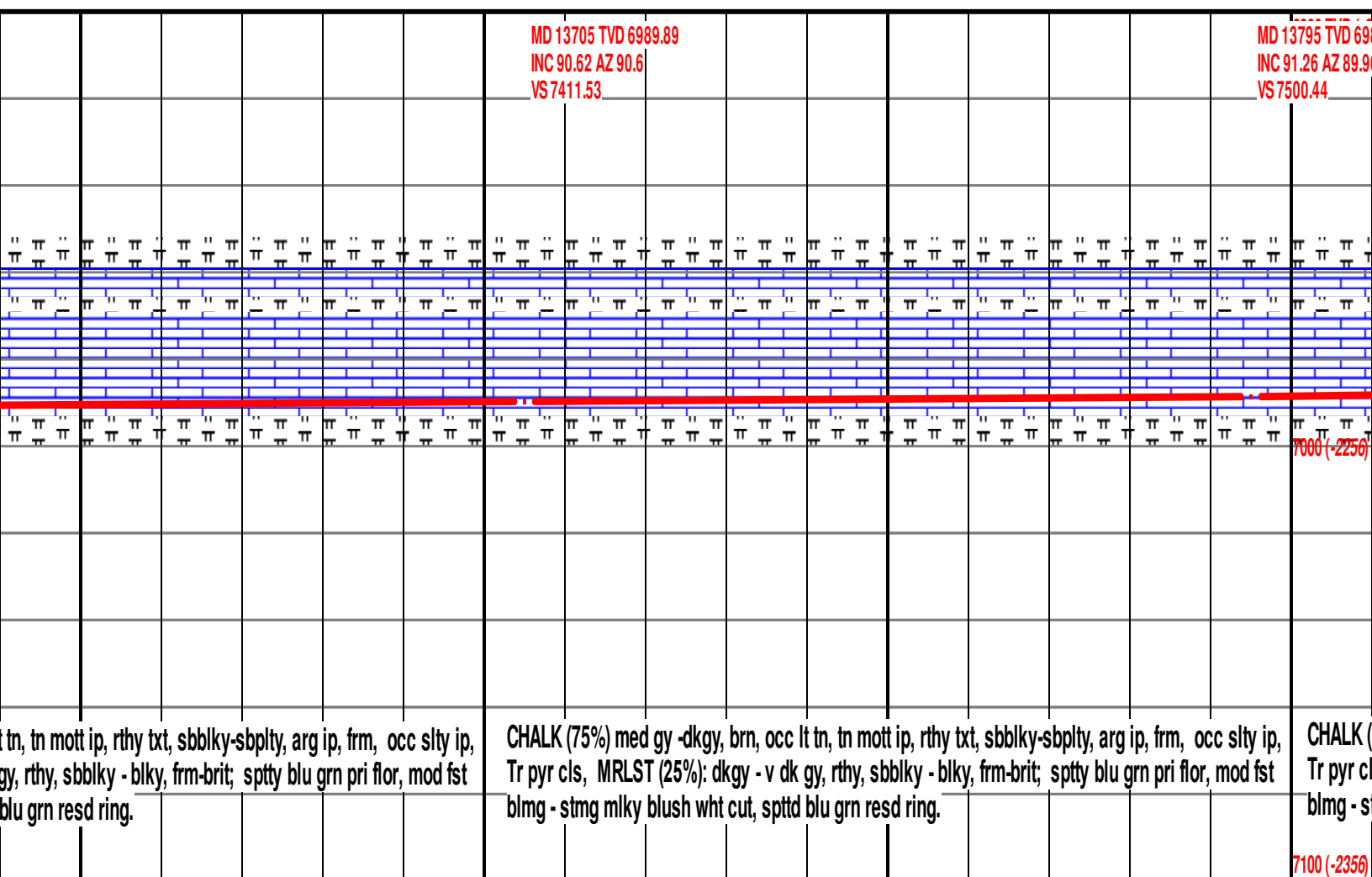


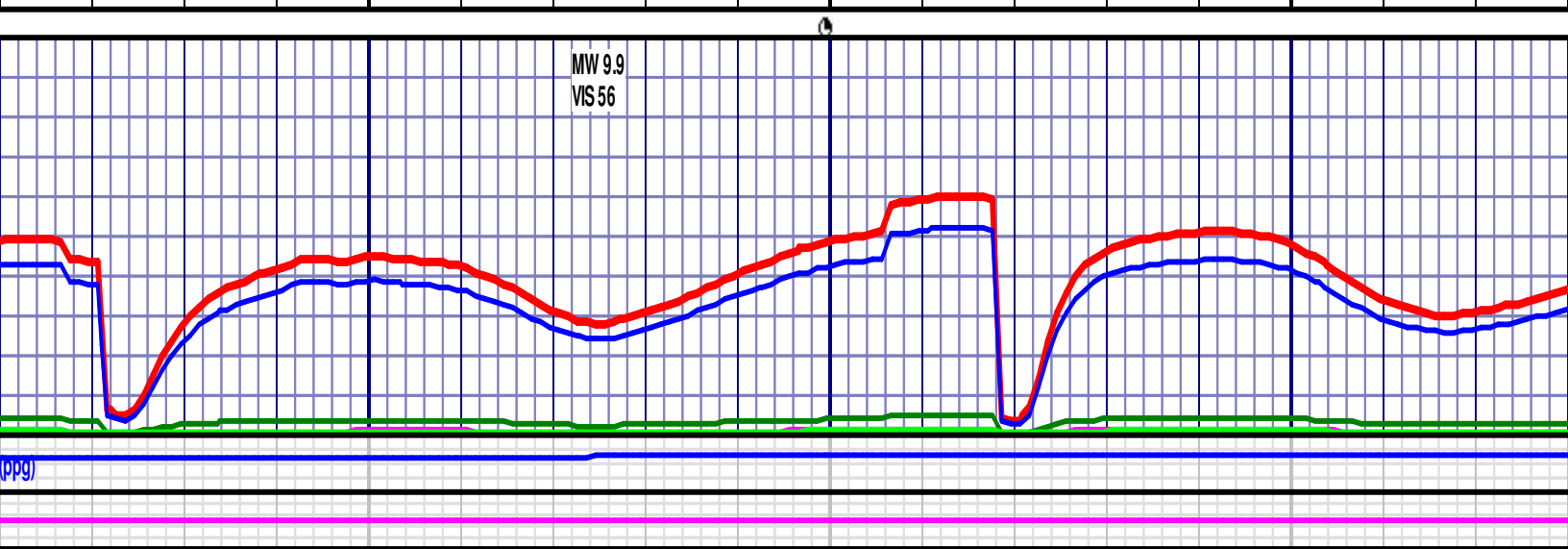
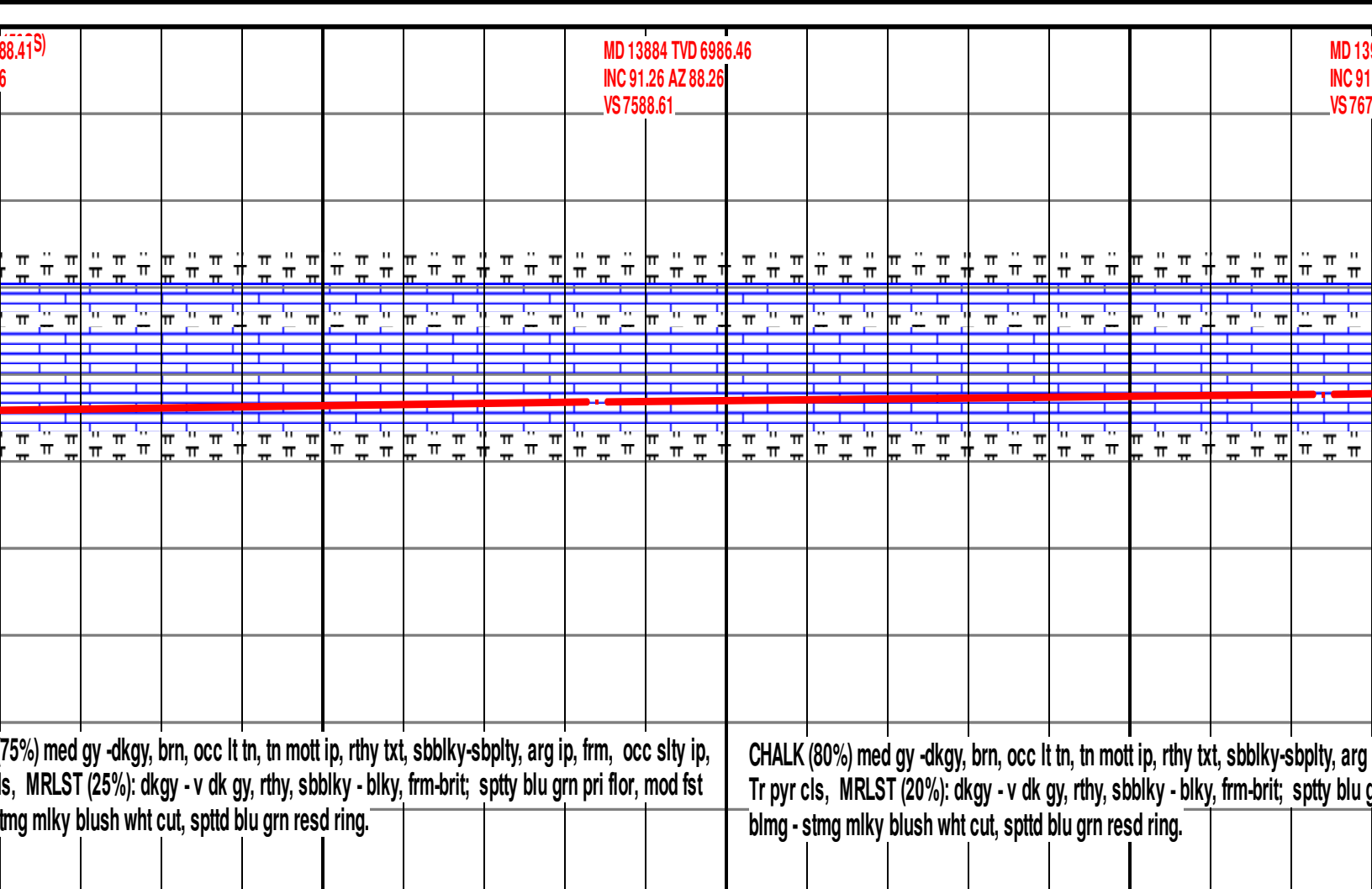
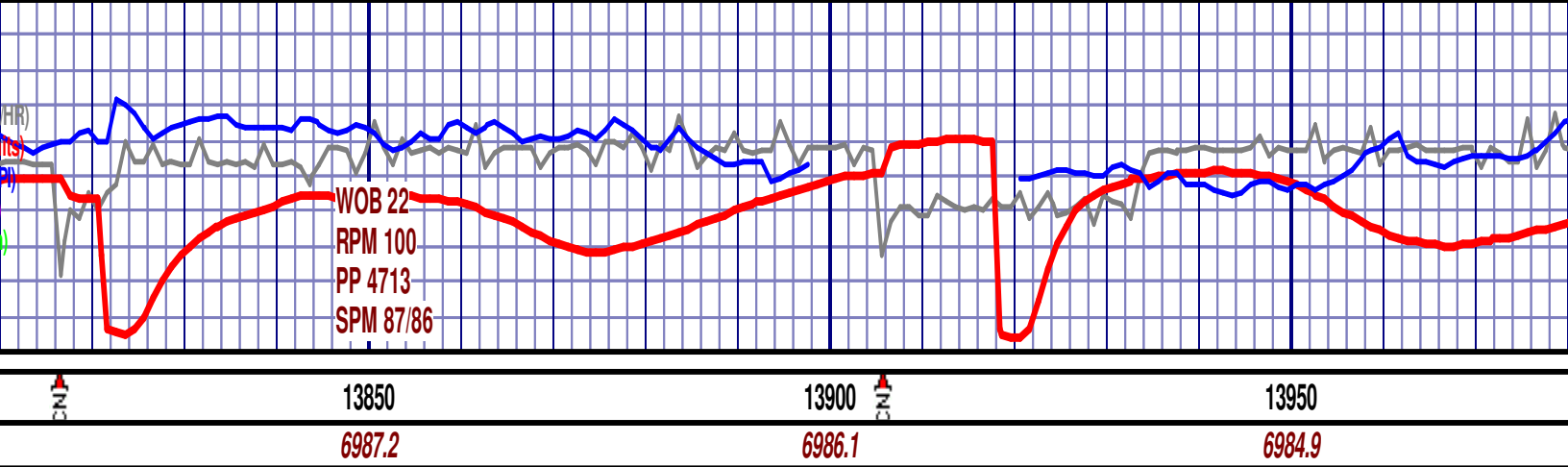


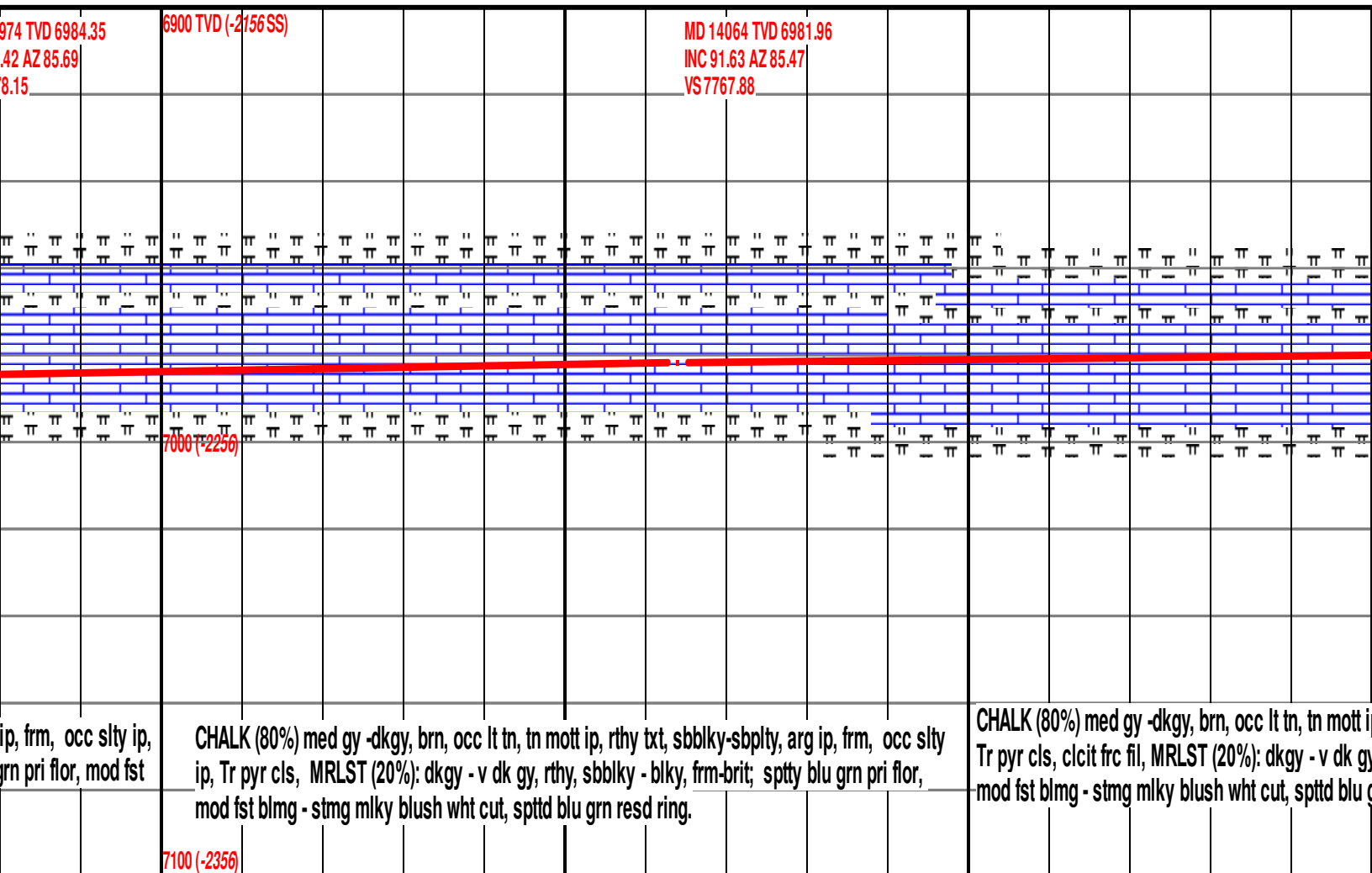


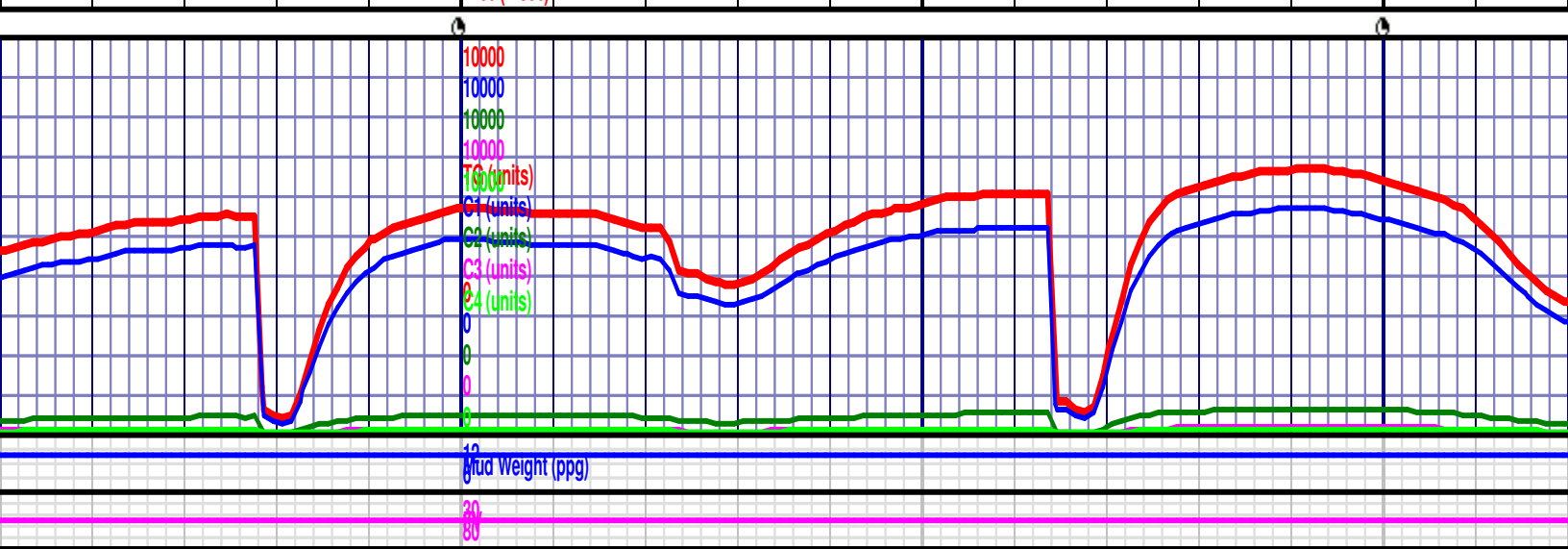
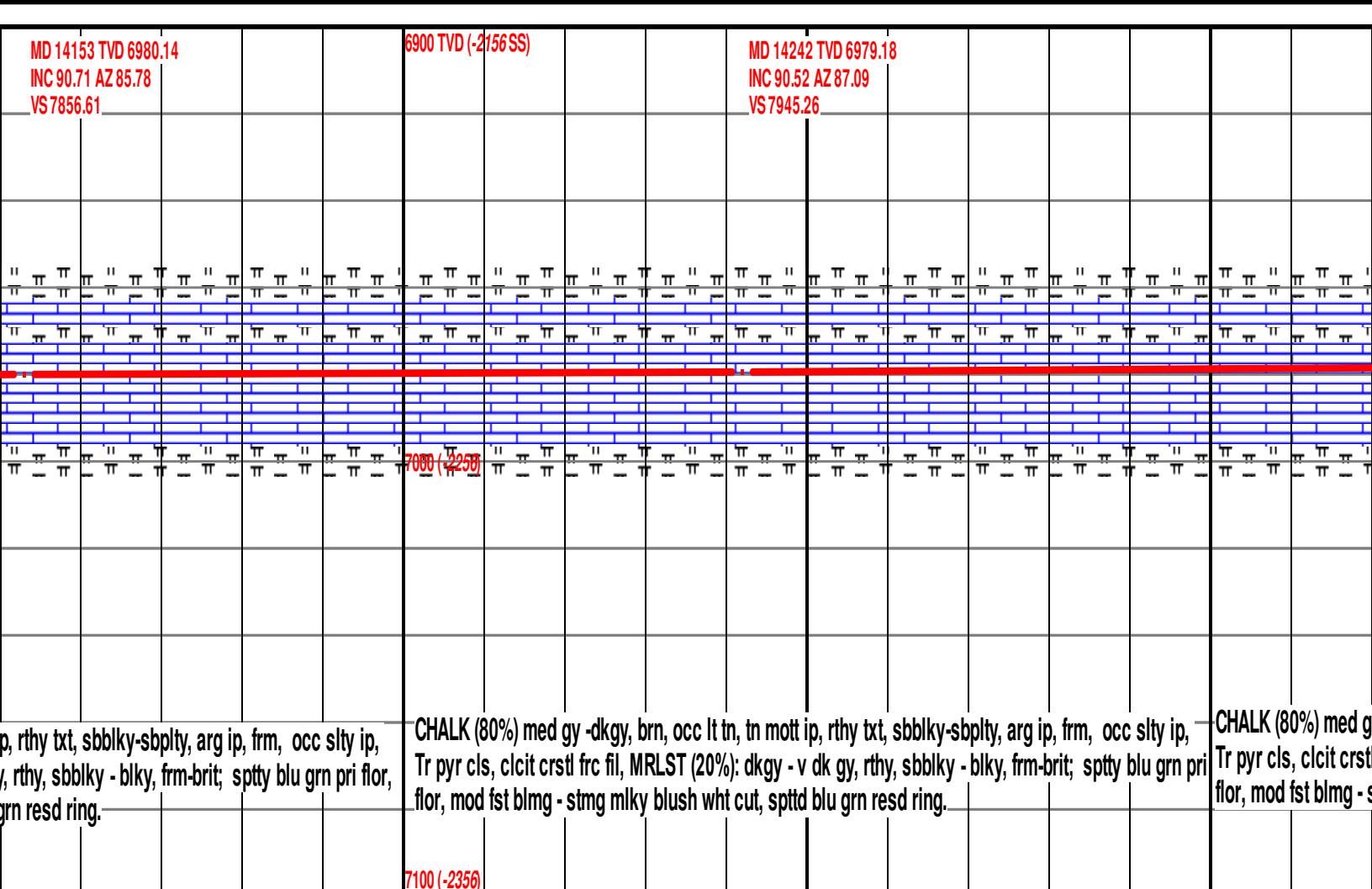
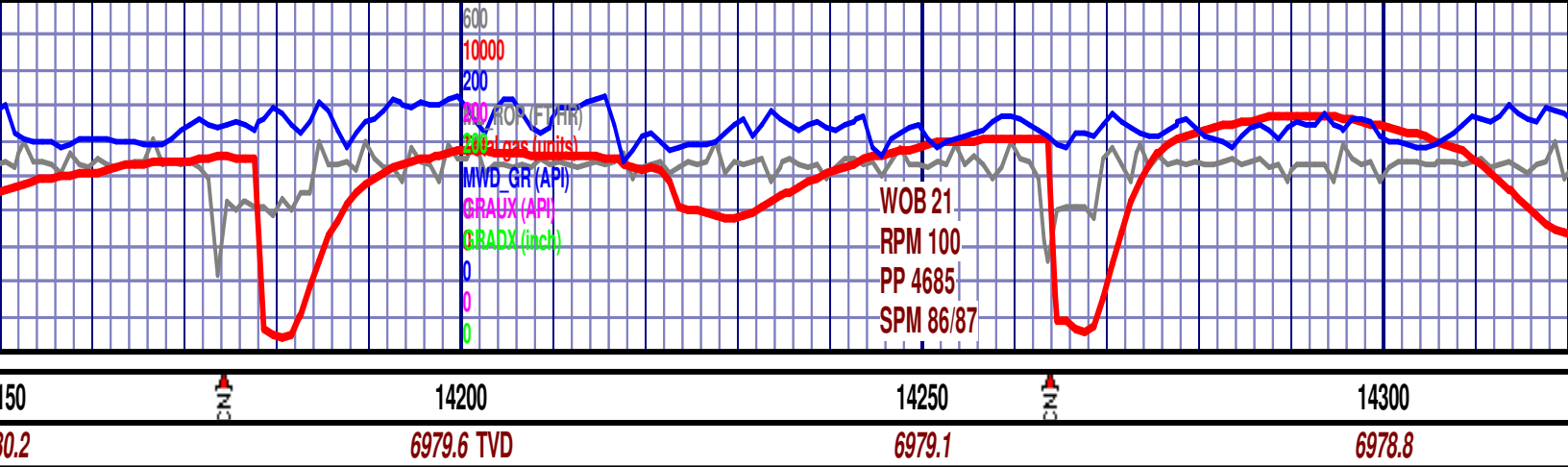


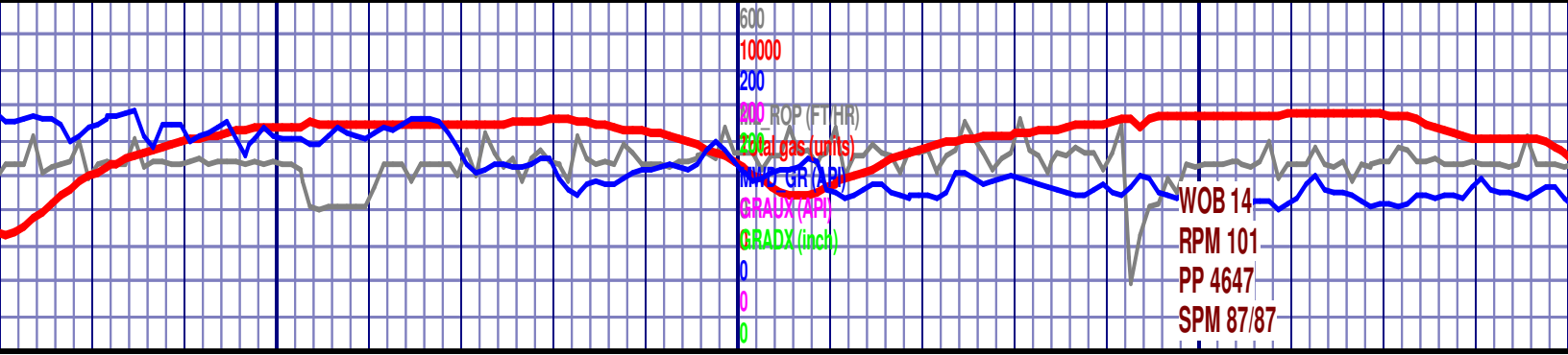






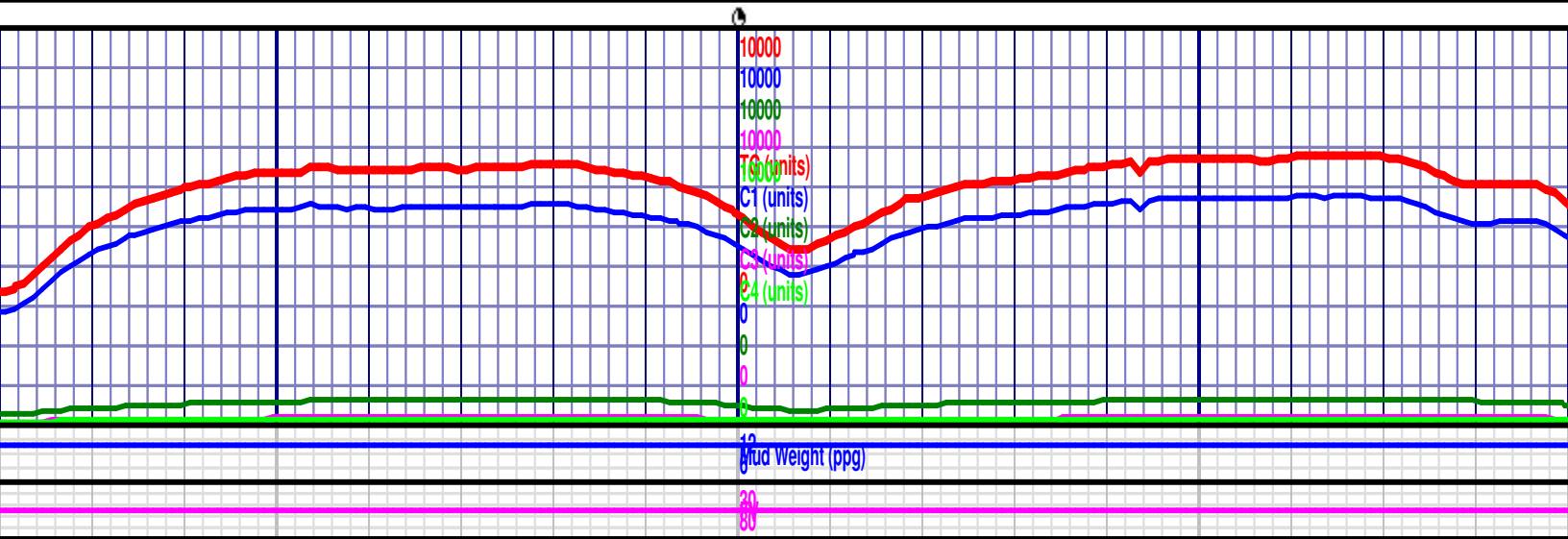


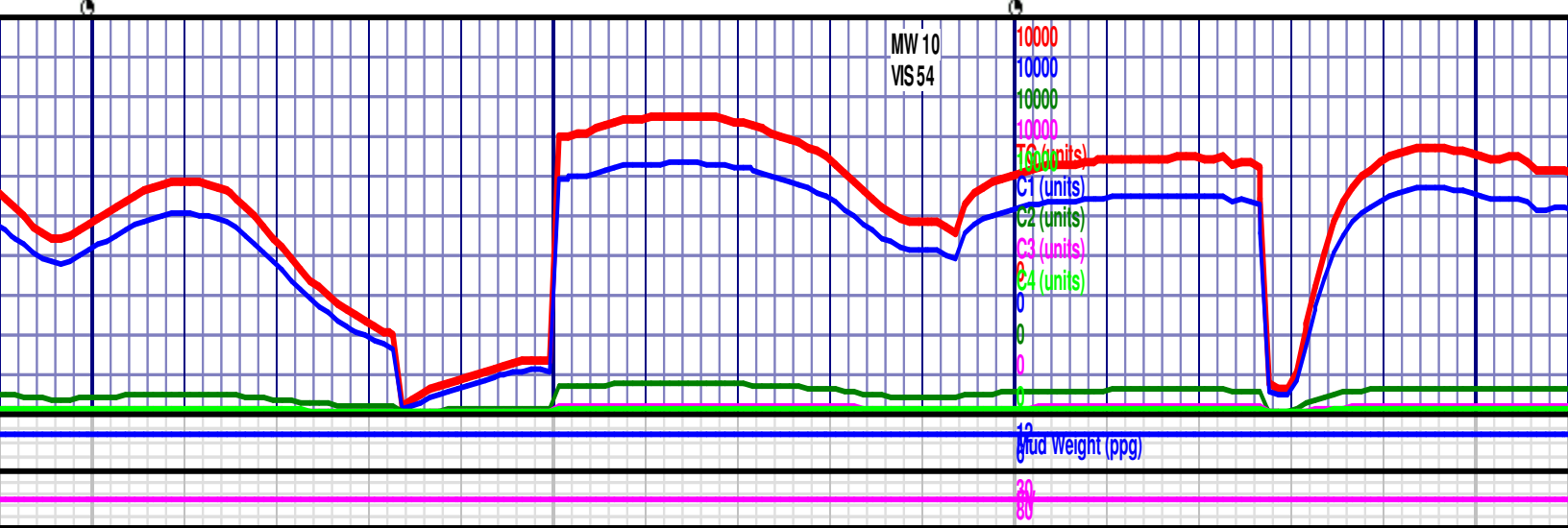
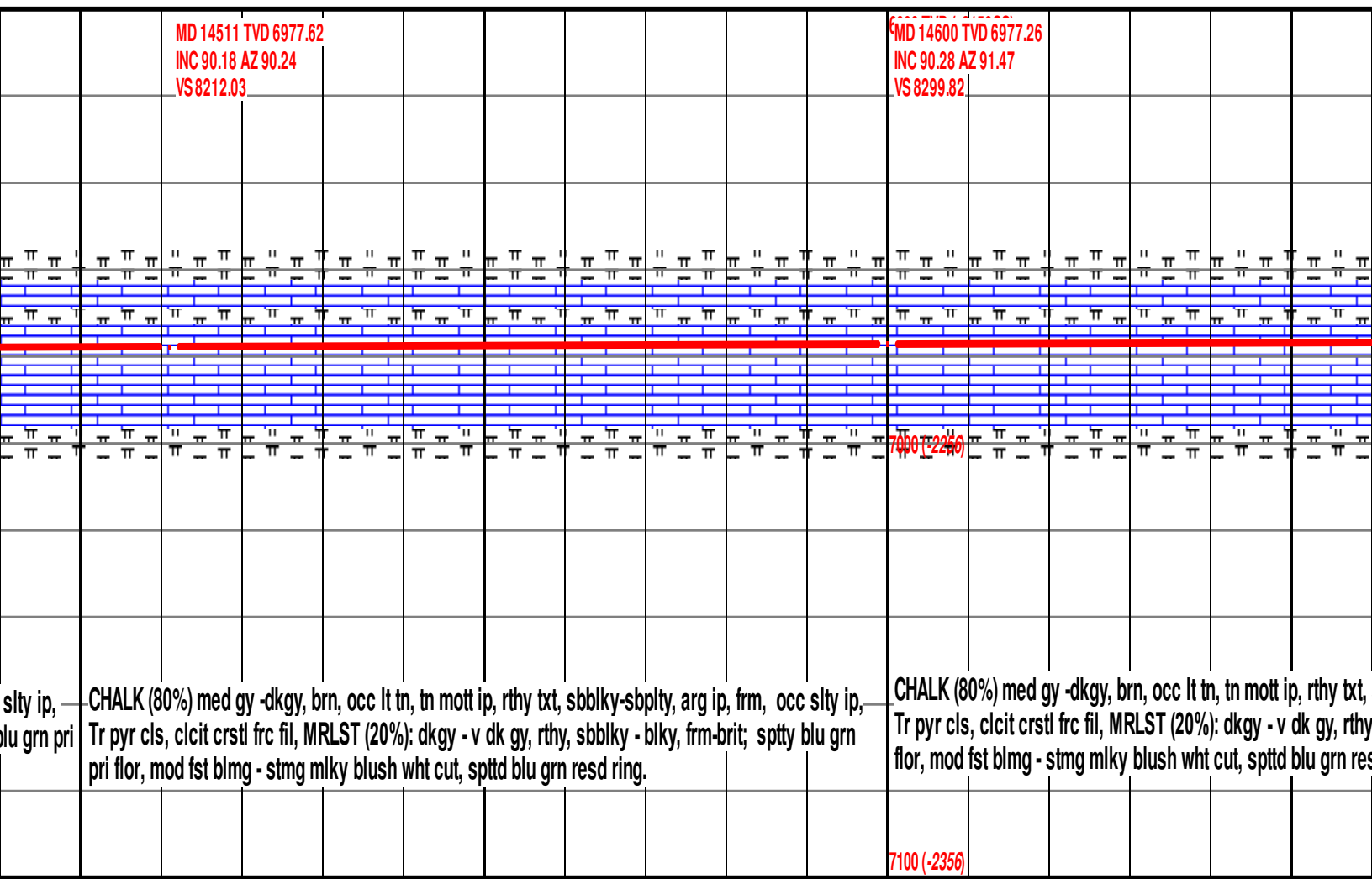
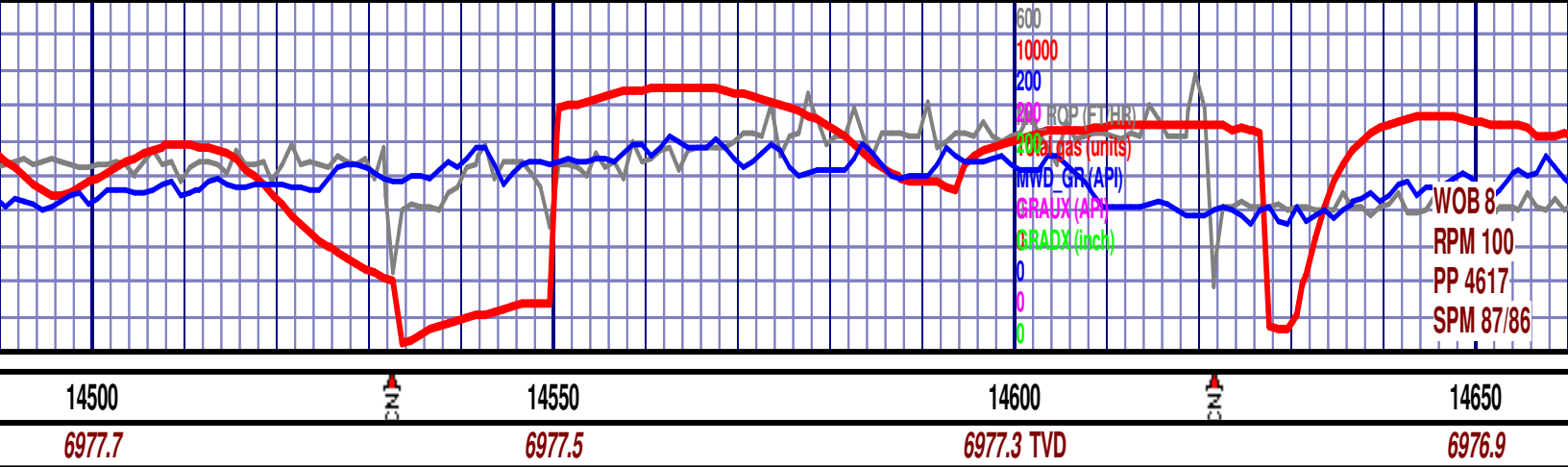


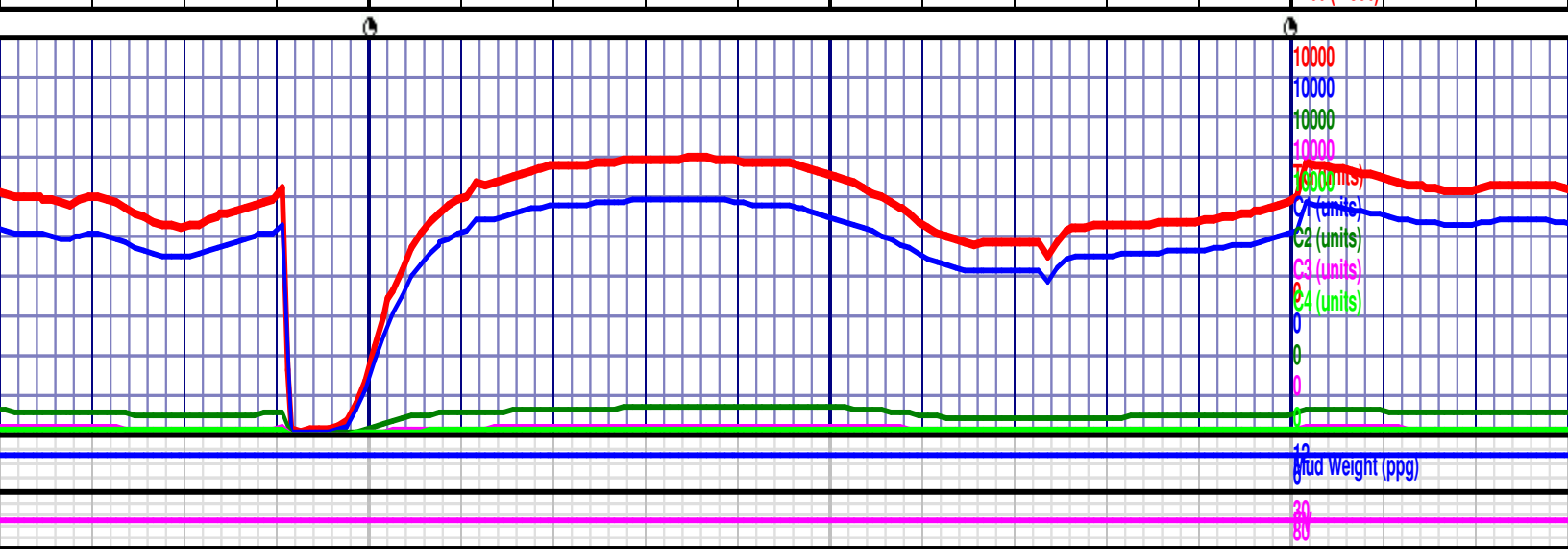
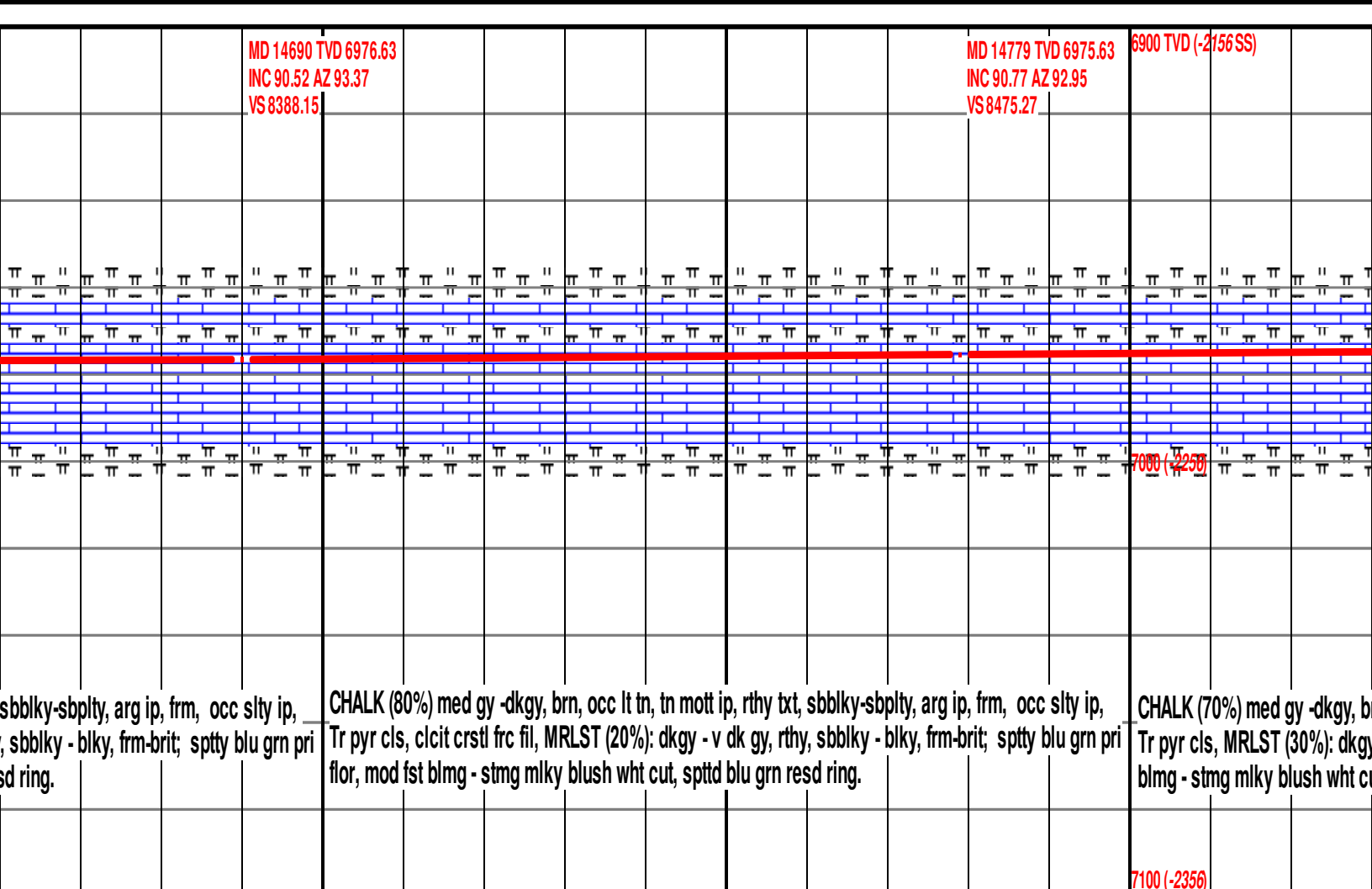
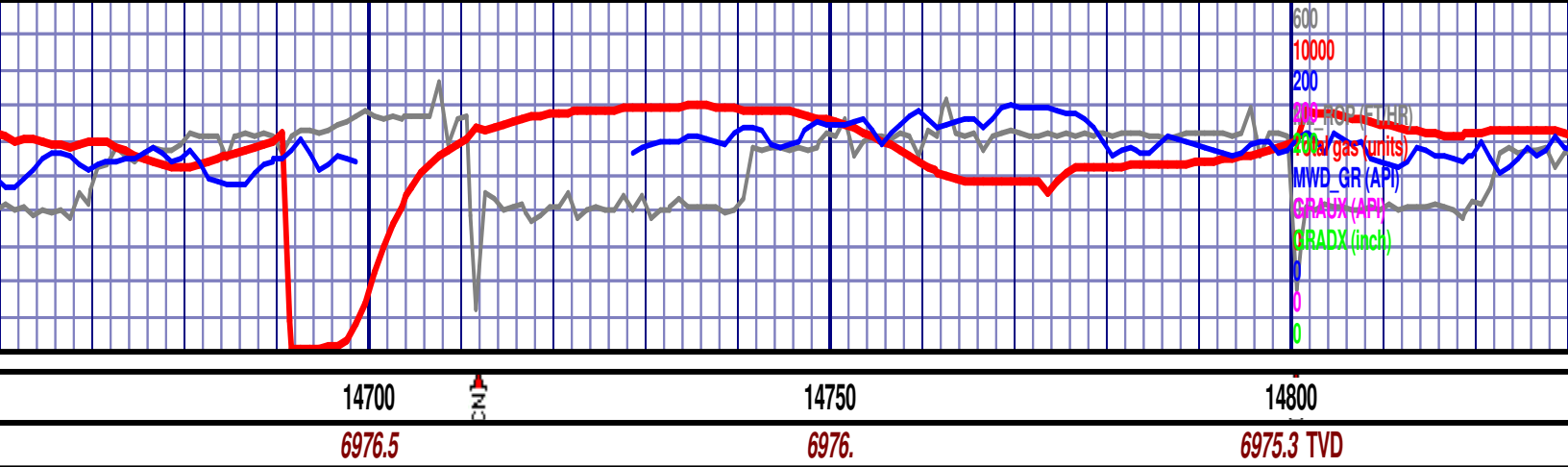


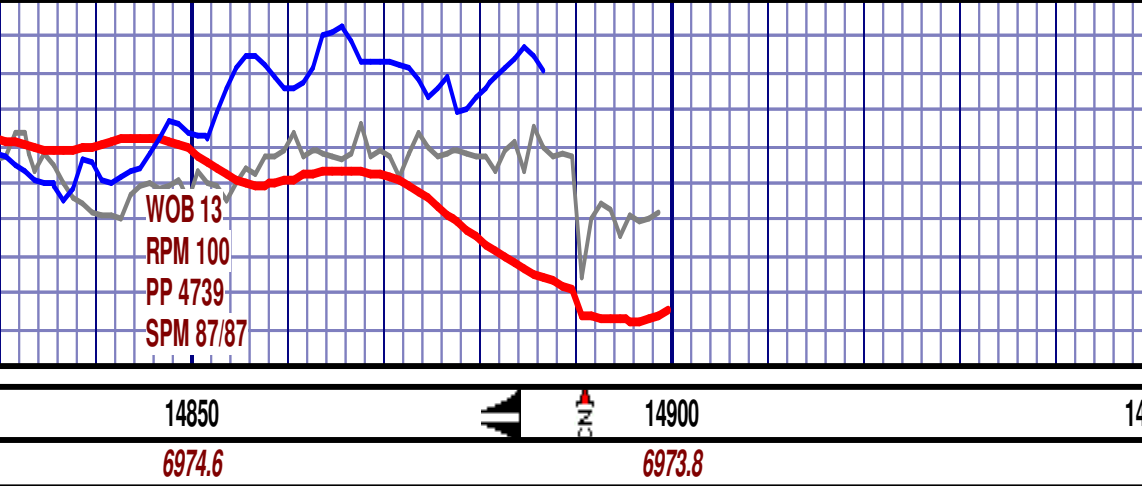
14350 14400 14450
6978.4 6978.1 TVD 6977.9

<p>MD 14332 TVD 6978.53 INC 90.31 AZ 88.73 VS 8034.67</p>	<p>6900 TVD (-2156 SS)</p>	<p>MD 14421 TVD 6978.03 INC 90.34 AZ 88.77 VS 8122.94</p>	
<p>CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbplty, arg ip, frm, occ slty ip, l frc fil, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; sptty blu grn pri stmg mlky blush wht cut, spttd blu grn resd ring.</p>	<p>CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbplty, arg ip, frm, occ slty ip, l frc fil, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; sptty blu grn pri stmg mlky blush wht cut, spttd blu grn resd ring.</p>	<p>CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbplty, arg ip, frm, occ slty ip, l frc fil, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; sptty blu grn pri stmg mlky blush wht cut, spttd blu grn resd ring.</p>	<p>CHALK (80%) med gy -dkgy, brn, occ lt tn, tn mott ip, rthy txt, sbblky-sbplty, arg ip, frm, occ slty ip, l frc fil, MRLST (20%): dkgy - v dk gy, rthy, sbblky - blk, frm-brit; sptty blu grn pri stmg mlky blush wht cut, spttd blu grn resd ring.</p>
<p>7000 (-2356)</p>	<p>7100 (-2356)</p>		



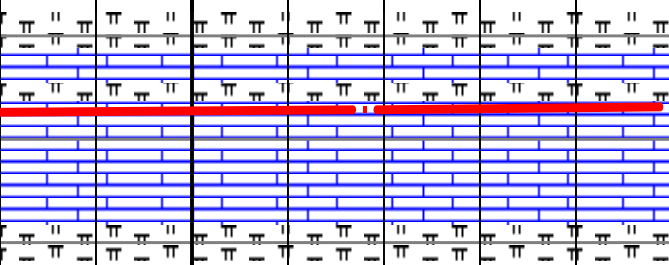






MD 14868 TVD 6974.32
INC 90.92 AZ 91.31
VS 8562.7

BIT #2, 8.5", HCC, ATD505T, Jets 5x15, SN#: 5287411,
Rotary Steerable Directional BHA, IN @ 1851', ON
9/07/18, DRILLED 13049' IN 41.2 BIT HR, OUT ON
09/10/18.



TD @ 14900' MD
ON 09/10/18.

Formation Top's

	MD	TVD	SSD
Sharon Springs	7006'	6828'	-2084'
Niobrara A Chalk	7066'	6855'	-2111'
Niobrara B Chalk	7398'	6986'	-2242'
Target Heel	7531'	6997'	-2253'
Target Toe	14900'	6974'	-2230'

rn, occ lt tn, tn mott ip, rthy txt, sbblky-sbply, arg ip, frm, occ slty ip,
- v dk gy, rthy, sbblky - blk, frm-bit; sptty blu grn pri flor, mod fst
ut, spttd blu grn resd ring.

Thank You
Goolsby Brothers & Assoc. Inc.

