

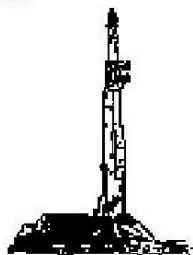
GOOLSBY BROTHERS and associates, inc.

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 1N-23B-M

API: 051234623500

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

License Number:

Spud Date: August 7, 2018

Region: Wattenberg

Drilling Completed: August 12, 2018

Surface Coordinates: 760' FNL 1640' FWL SE/NW Sec. 27 T6N R66W

Lat/Long: 40.464592 N, -104.767476 W

Bottom Hole Planned: 1876' FSL 510' FEL Sec. 23 T6N R66W

Coordinates:

Ground Elevation (ft): 4,720'

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

Logged Interval (ft): 7,200' MD To: 15,505' MD Total Depth (ft): 15,505' DMTD

Formation: Niobrara B Chalk

Type of Drilling Fluid: OBM (LSND Surface).

Printed by HORIZONTAL.LOG 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 & Robin Brackman

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 15493' MD

Casing



9 5/8" Surface Casing pre set @ 1,837' MD.

5 1/2" Production Liner set @15,487' on 8/13/2018.






































































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: Bill Herbers, Jeremiah Samson
MWD: Garrett Gerdson, Baker Remote Field Operations
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Blake Stacey & Robin Brackman

ROCK TYPES

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

ACCESSORIES

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

OTHER SYMBOLS

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Vspotty
- near even

POROSITY TYPE

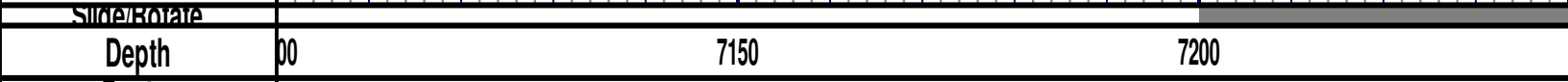
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic

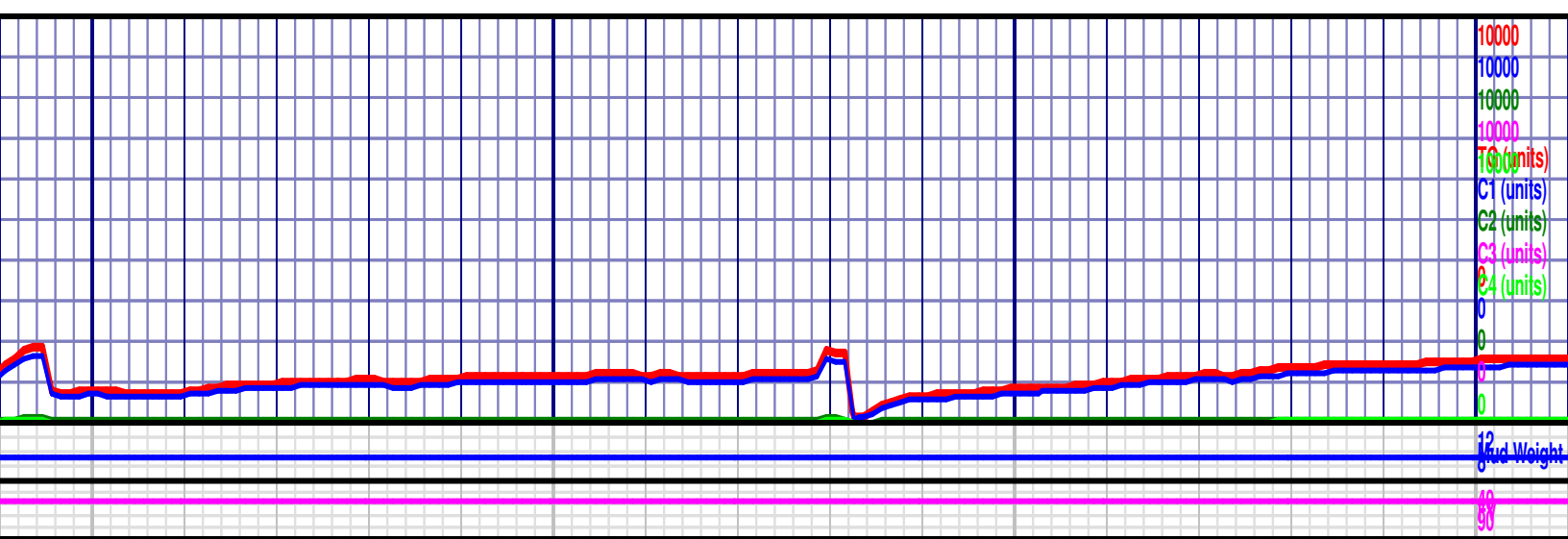
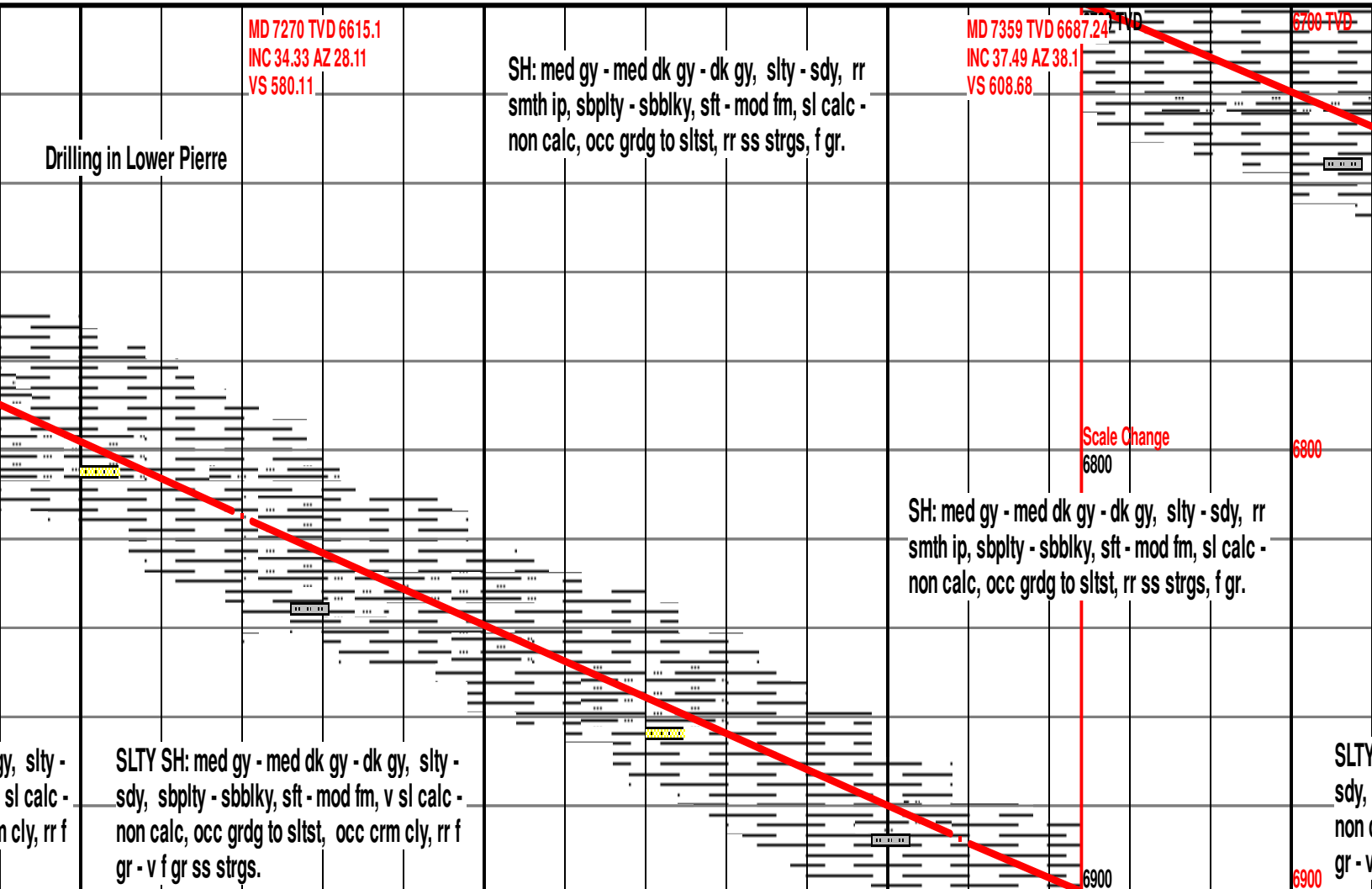
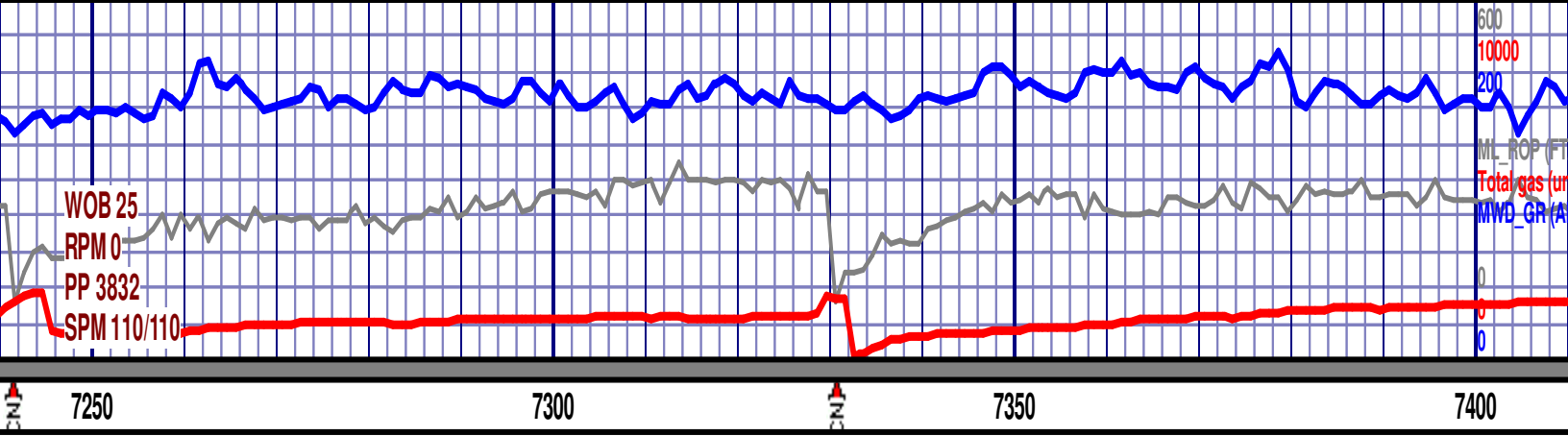
- Pinpoint
- Vuggy

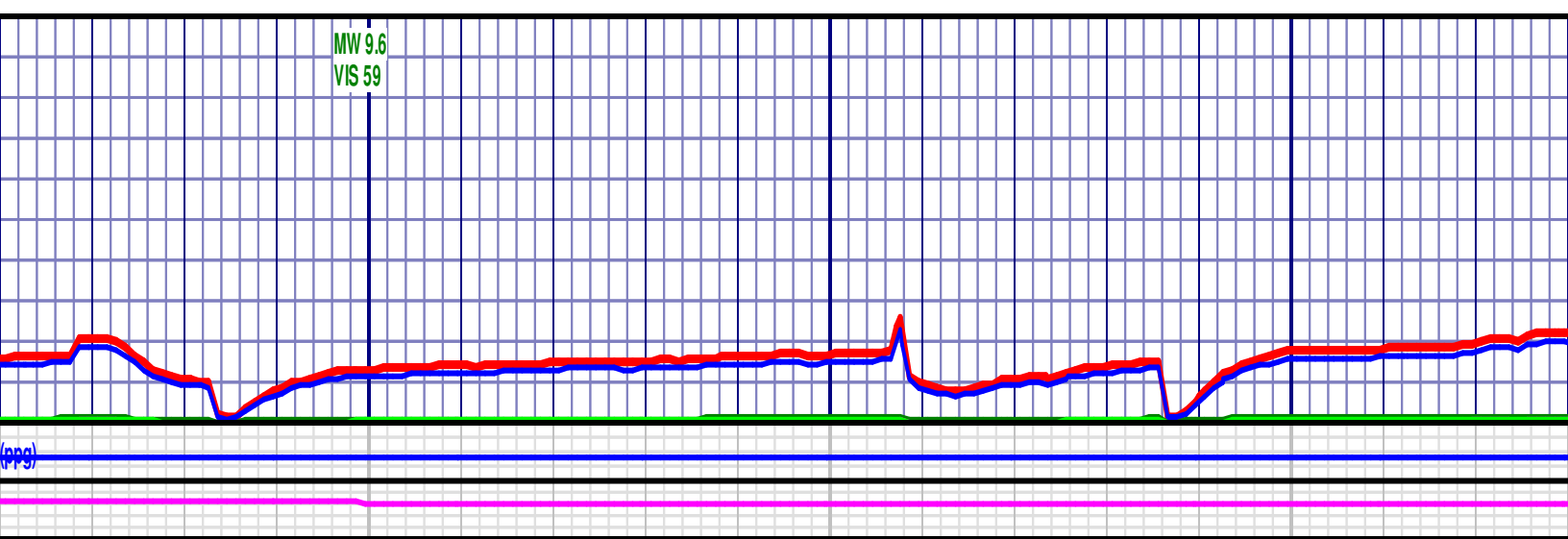
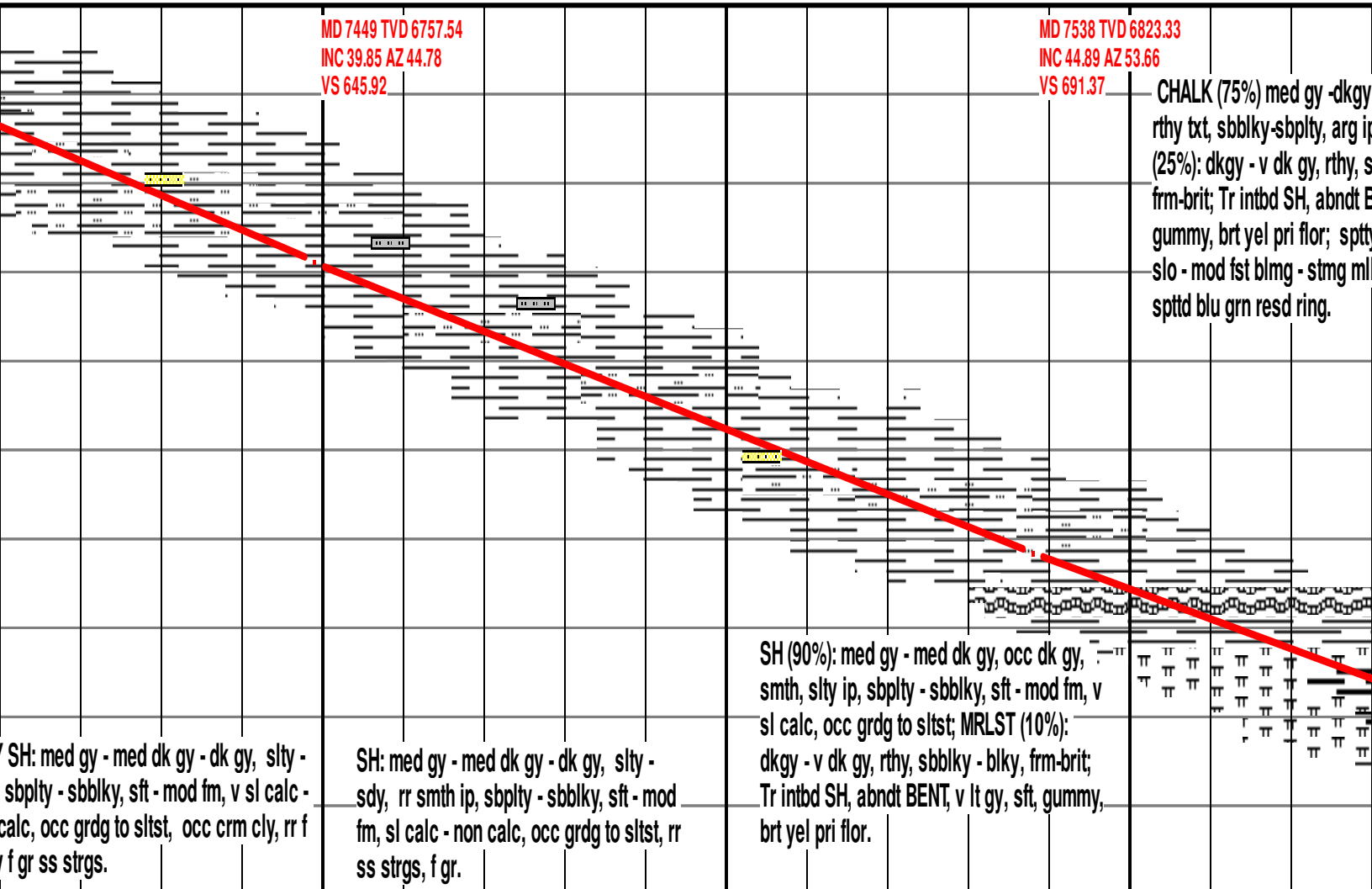
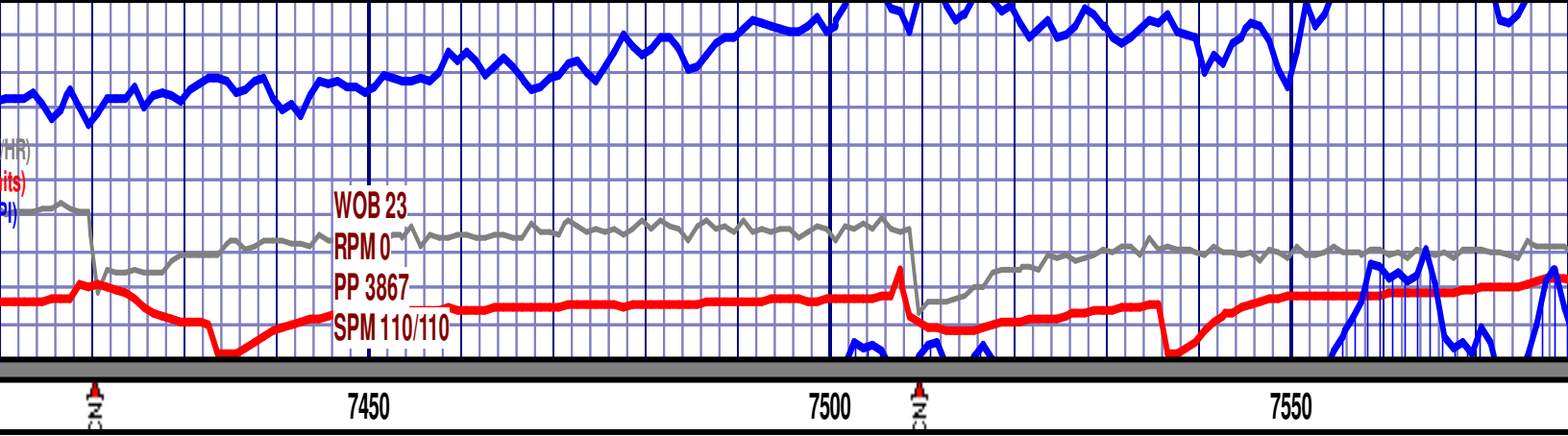
- ROUNDING
- Rounded
 - Subrnd
 - Subang

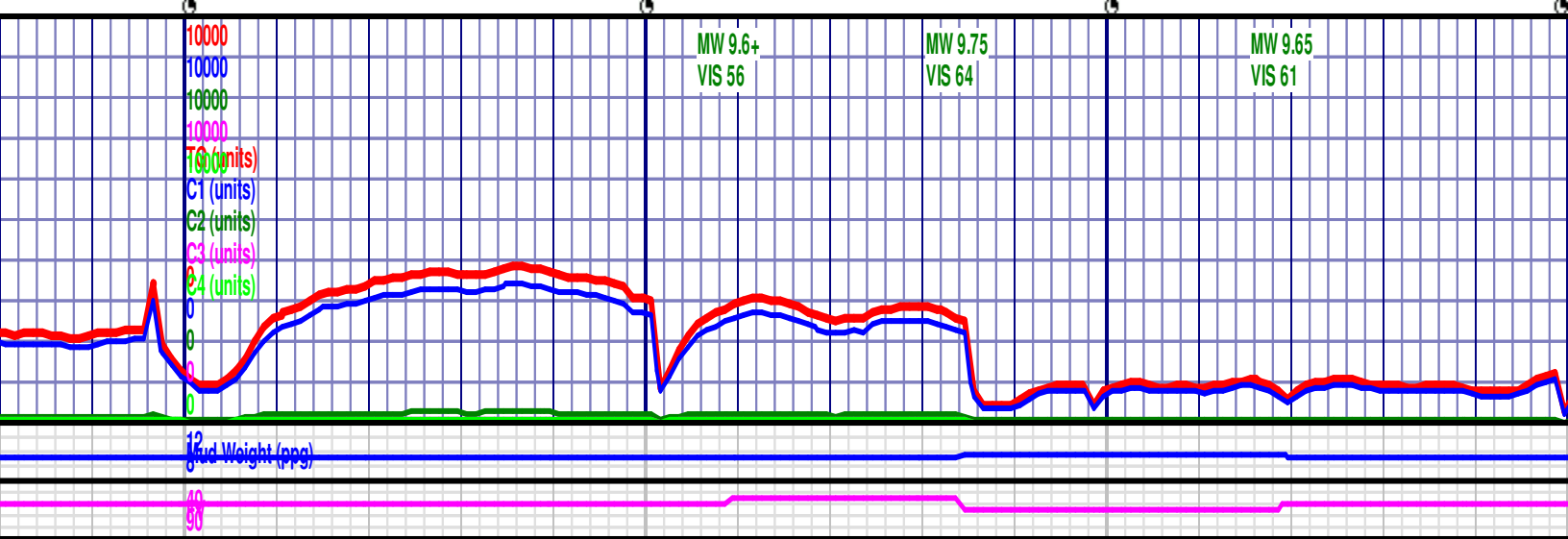
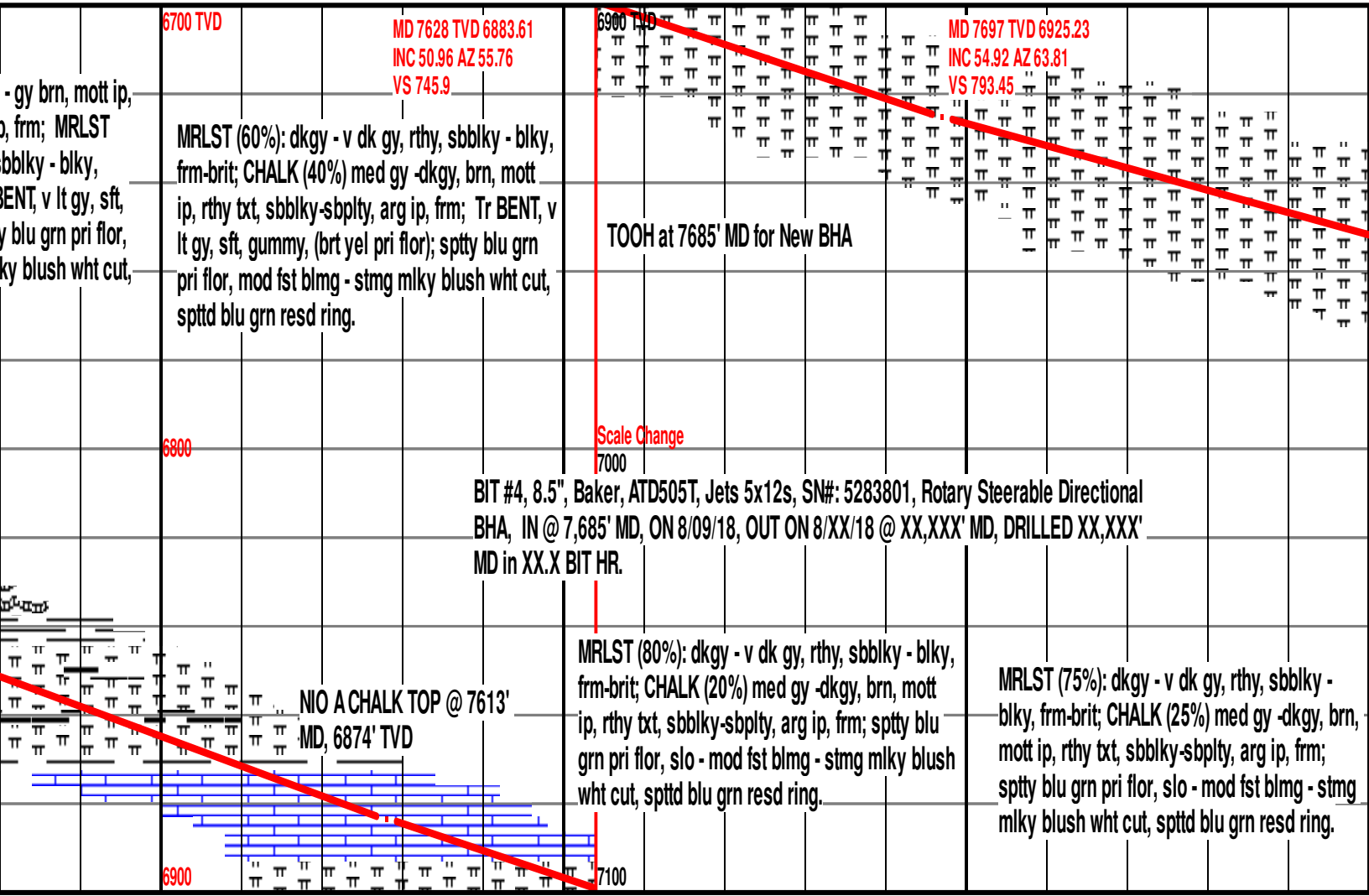
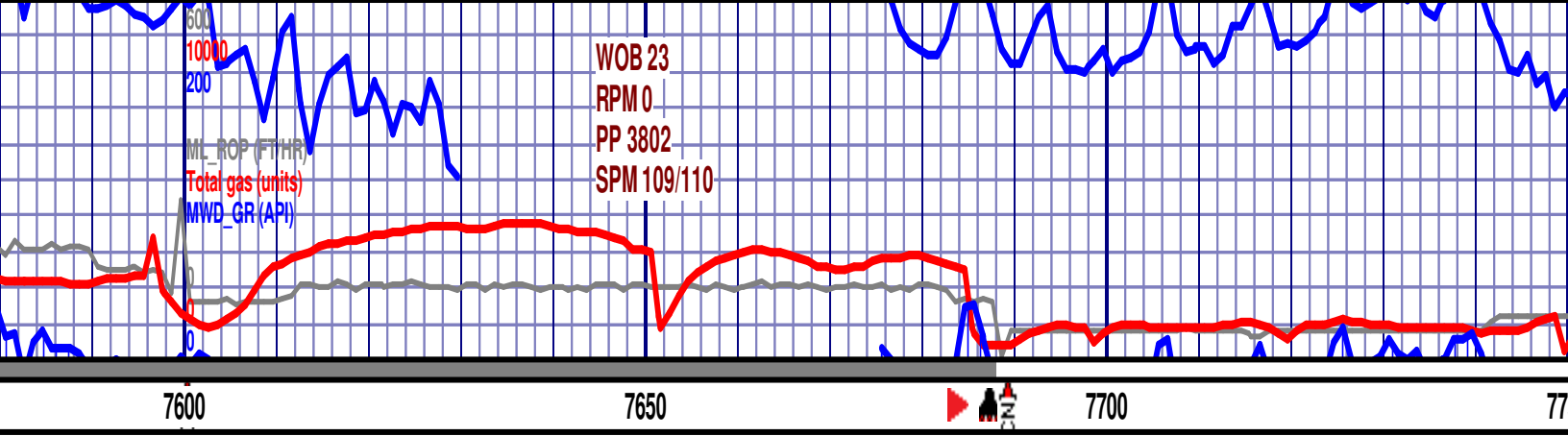
- Angular

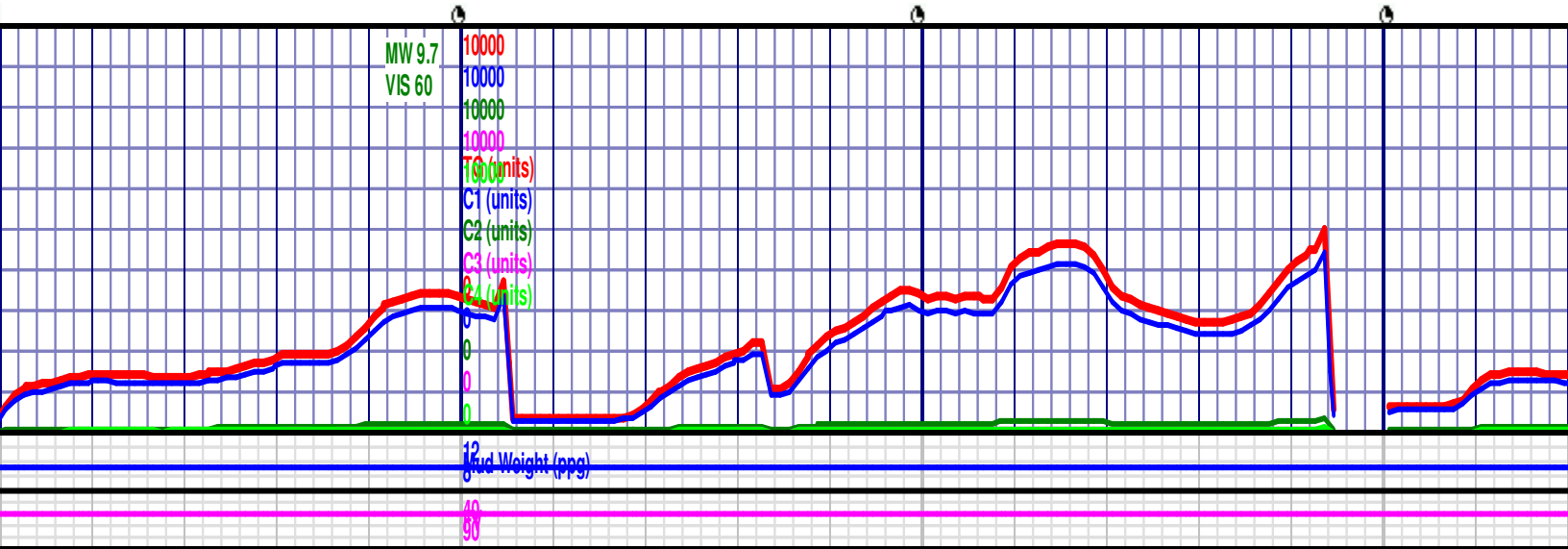
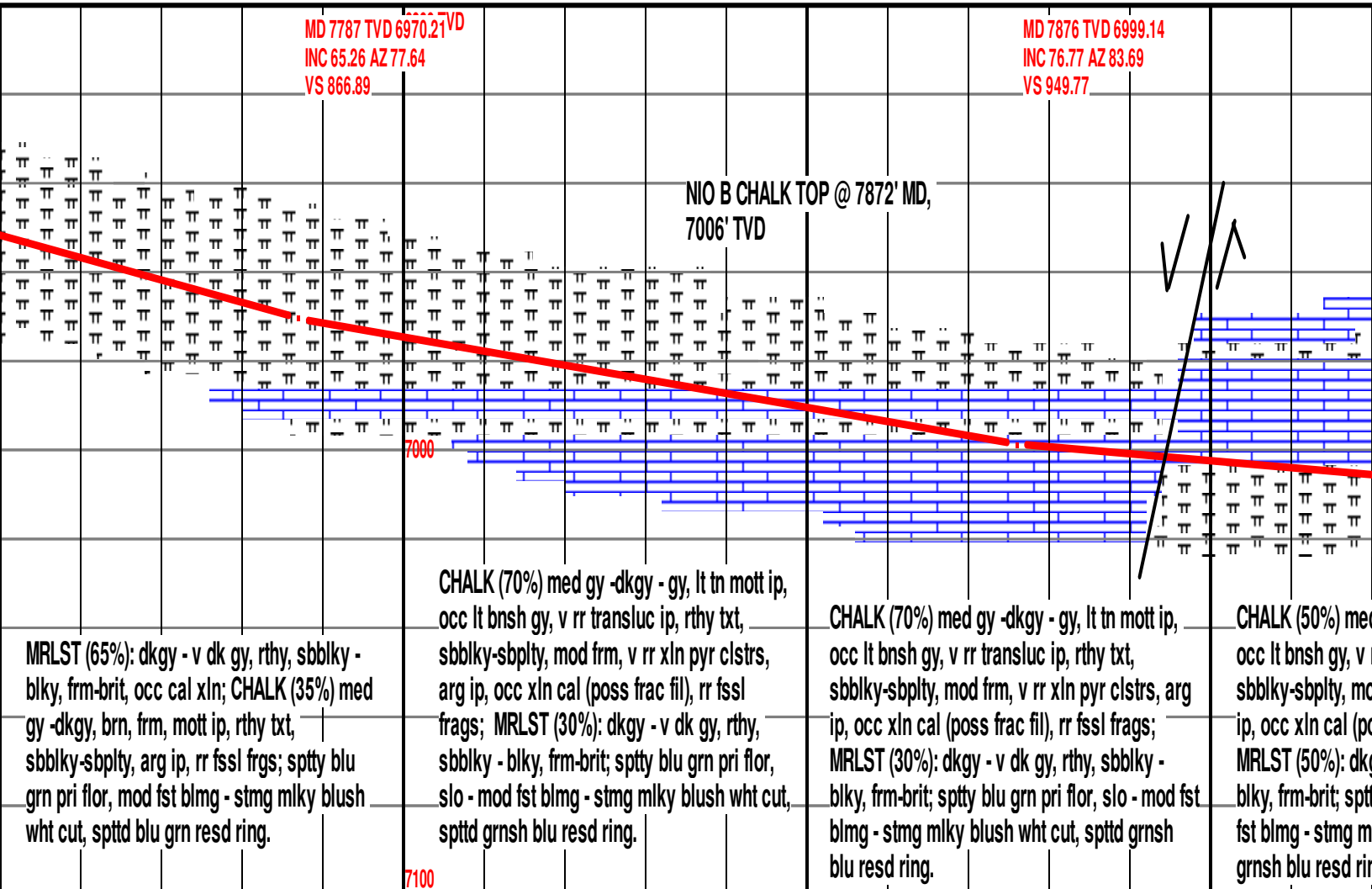
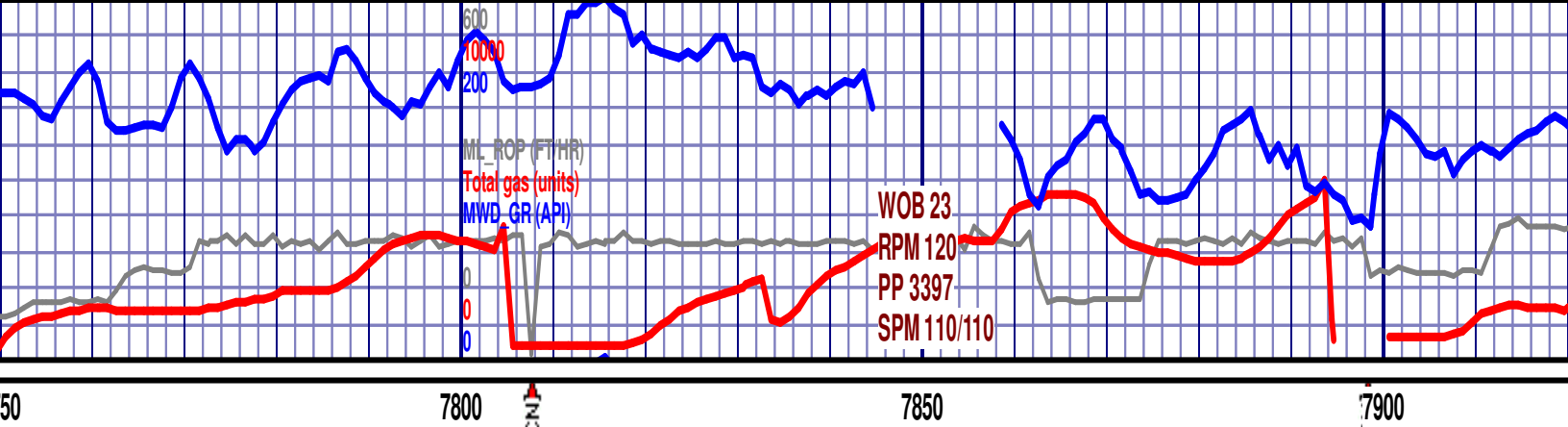
- SORTING
- Well
 - Moderate
 - Poor

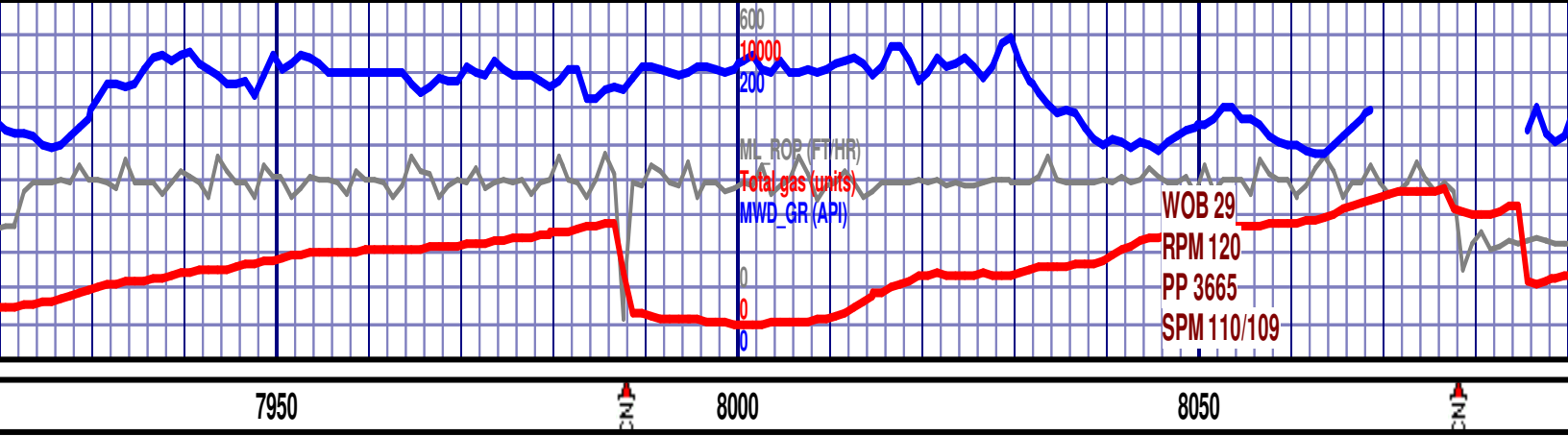




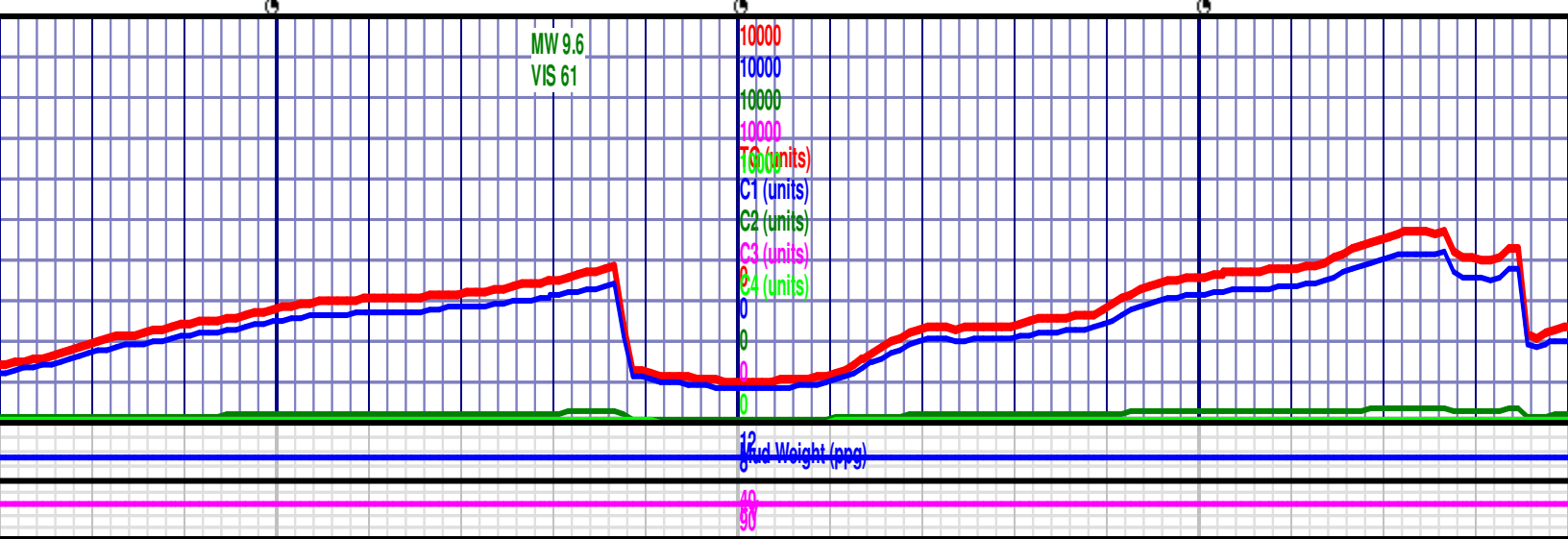


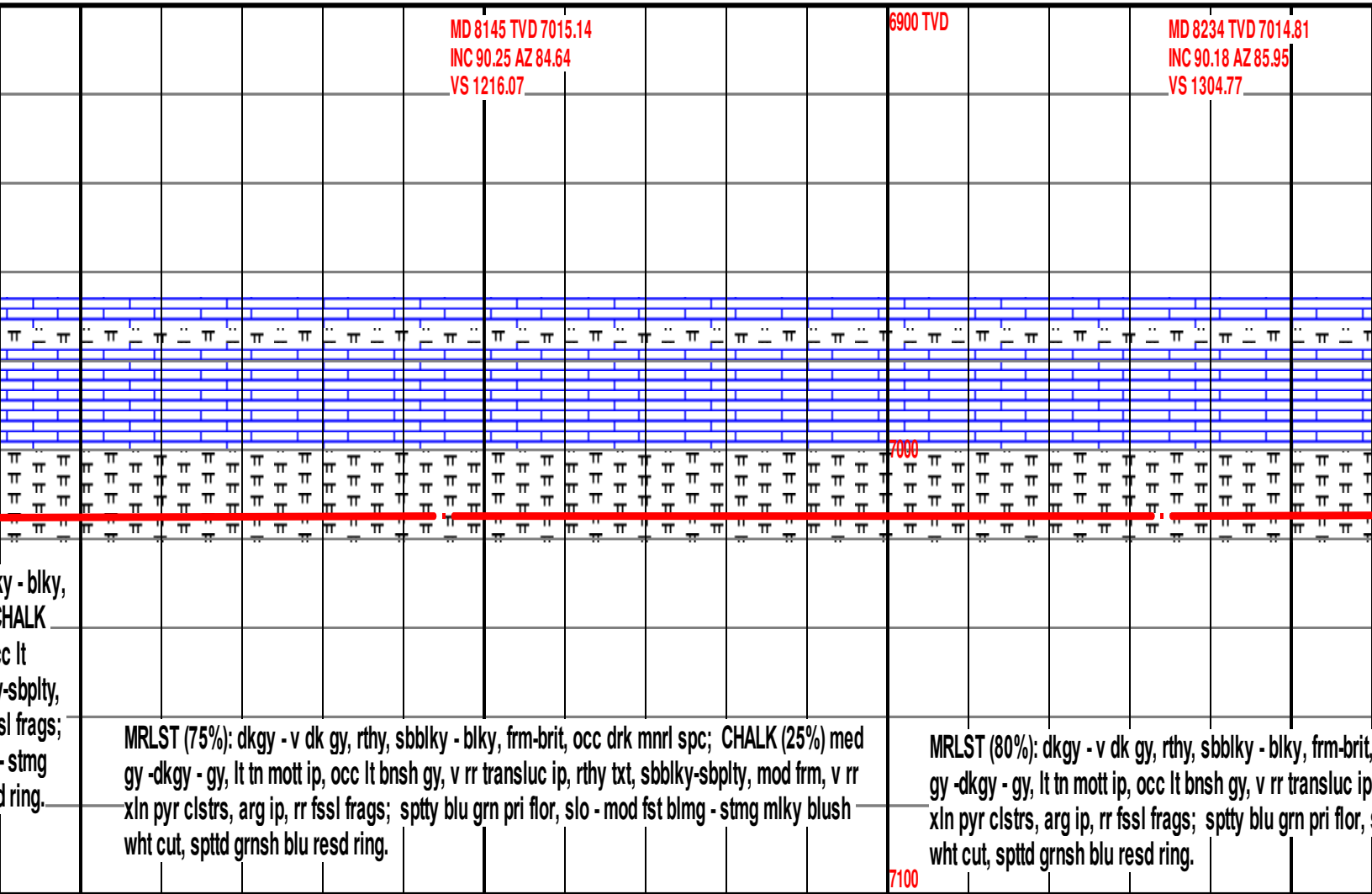


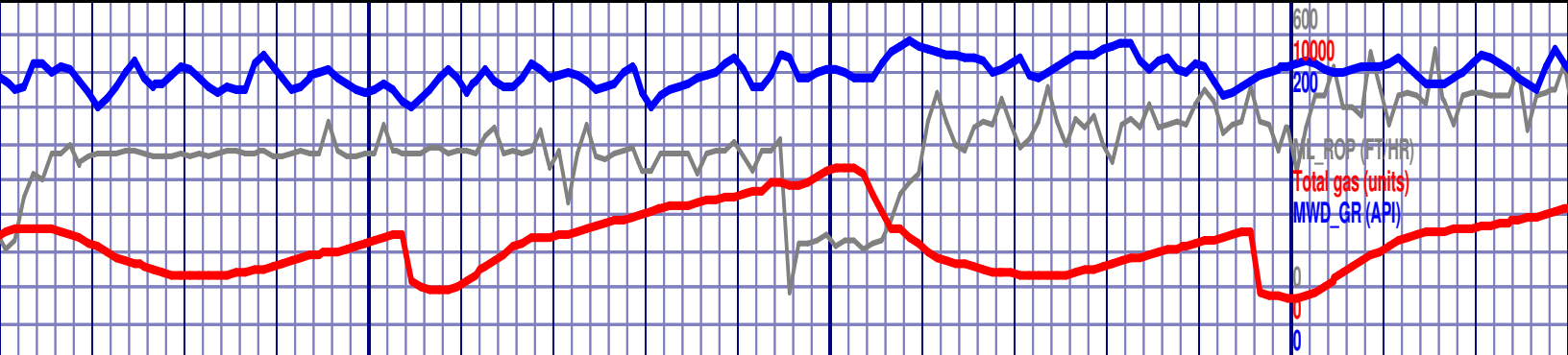




<p>MD 7966 TVD 7012.69 INC 85.9 AZ 84.01 VS 1038.14</p> <p>6900 TVD</p> <p>7000</p> <p>7100</p> <p>MRLST (70%): dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, occ drk mnrl spc, rr crm cly; CHALK (30%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, occ xln cal (poss frac fil), rr fssl frags; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.</p>	<p>MD 8055 TVD 7015.6 INC 90.34 AZ 83.6 VS 1126.55</p> <p>MRLST (70%): dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, occ drk mnrl spc, rr crm cly; CHALK (30%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.</p>	<p>MRLST (75%): dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, occ drk mnrl spc, rr crm cly; CHALK (25%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.</p>
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8300

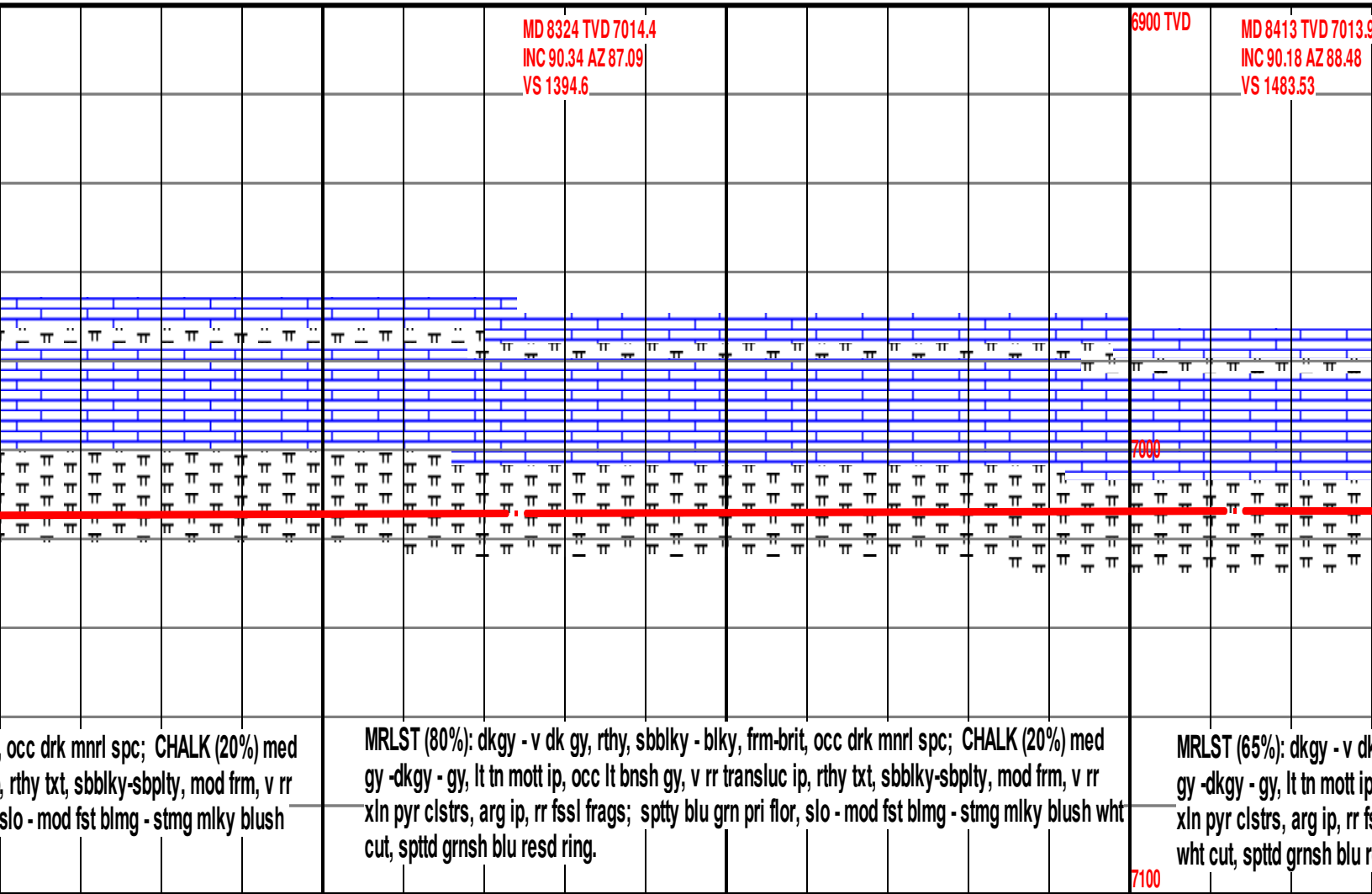
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8400

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INC 90.34 AZ 87.09
VS 1394.6

6900 TVD

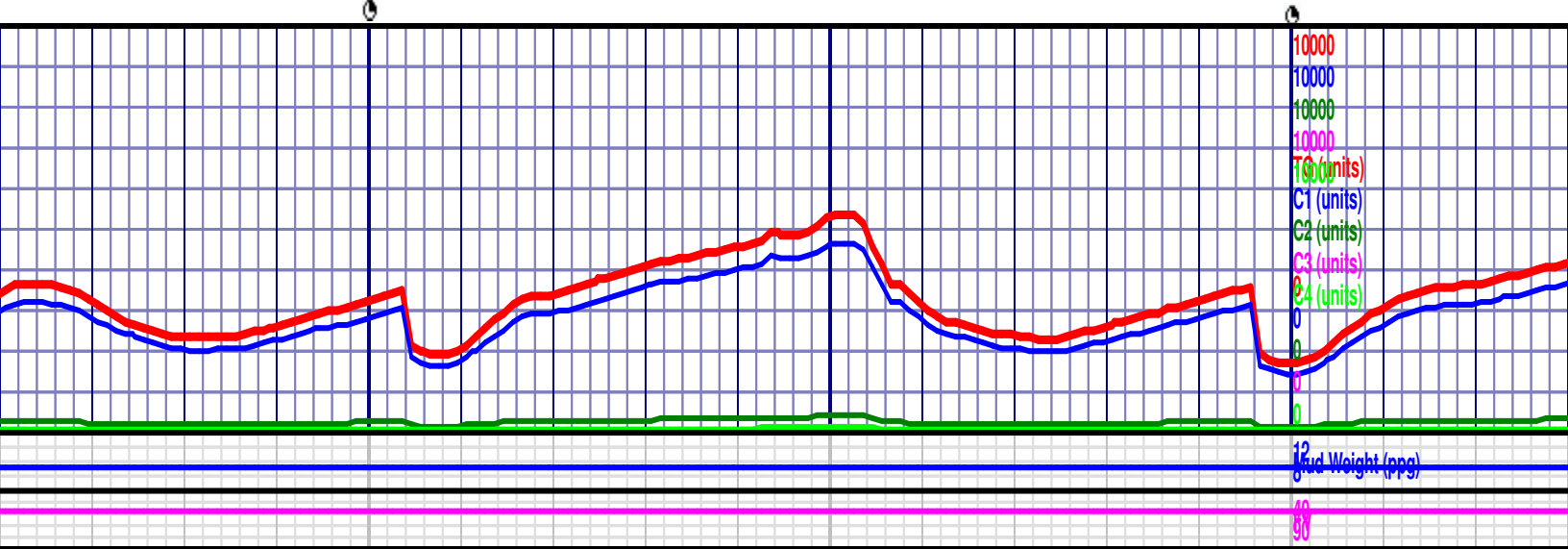
MD 8413 TVD 7013.9
INC 90.18 AZ 88.48
VS 1483.53



occ drk mnrl spc; CHALK (20%) med
rthy txt, sbblky-sbply, mod frm, v rr
slo - mod fst blmg - stmg mlky blush

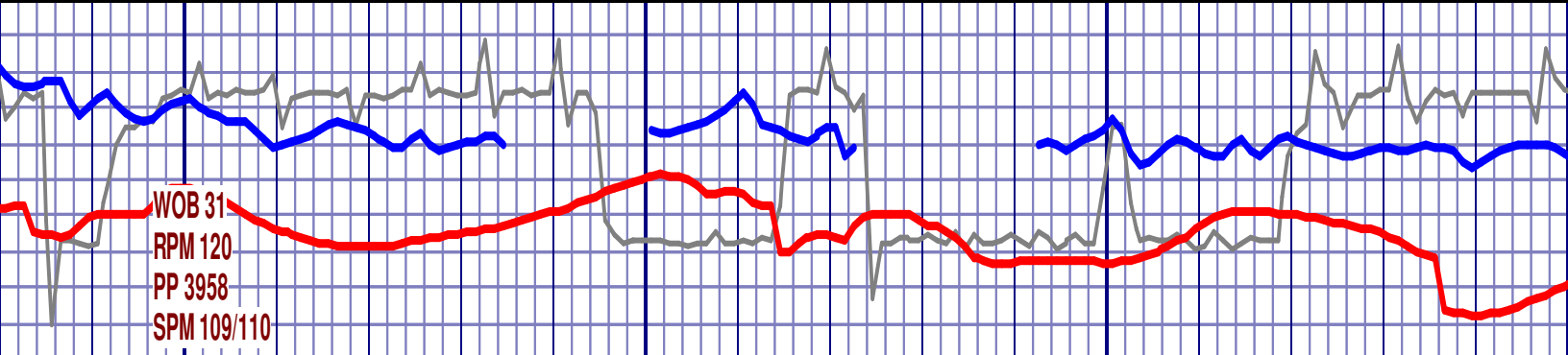
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gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr
xln pyr clstrs, arg ip, rr fssl frags; spty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht
cut, spttd grnsh blu resd ring.

MRLST (65%): dkgy - v dk
gy -dkgy - gy, lt tn mott ip
xln pyr clstrs, arg ip, rr f
wht cut, spttd grnsh blu r

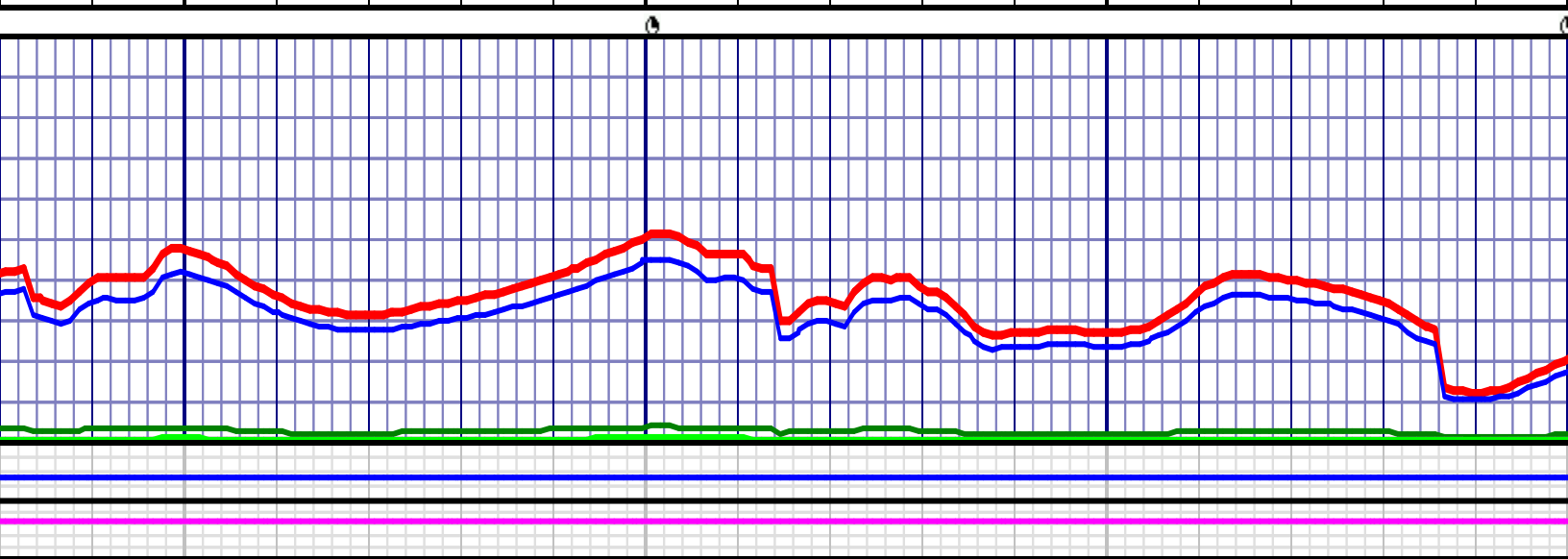
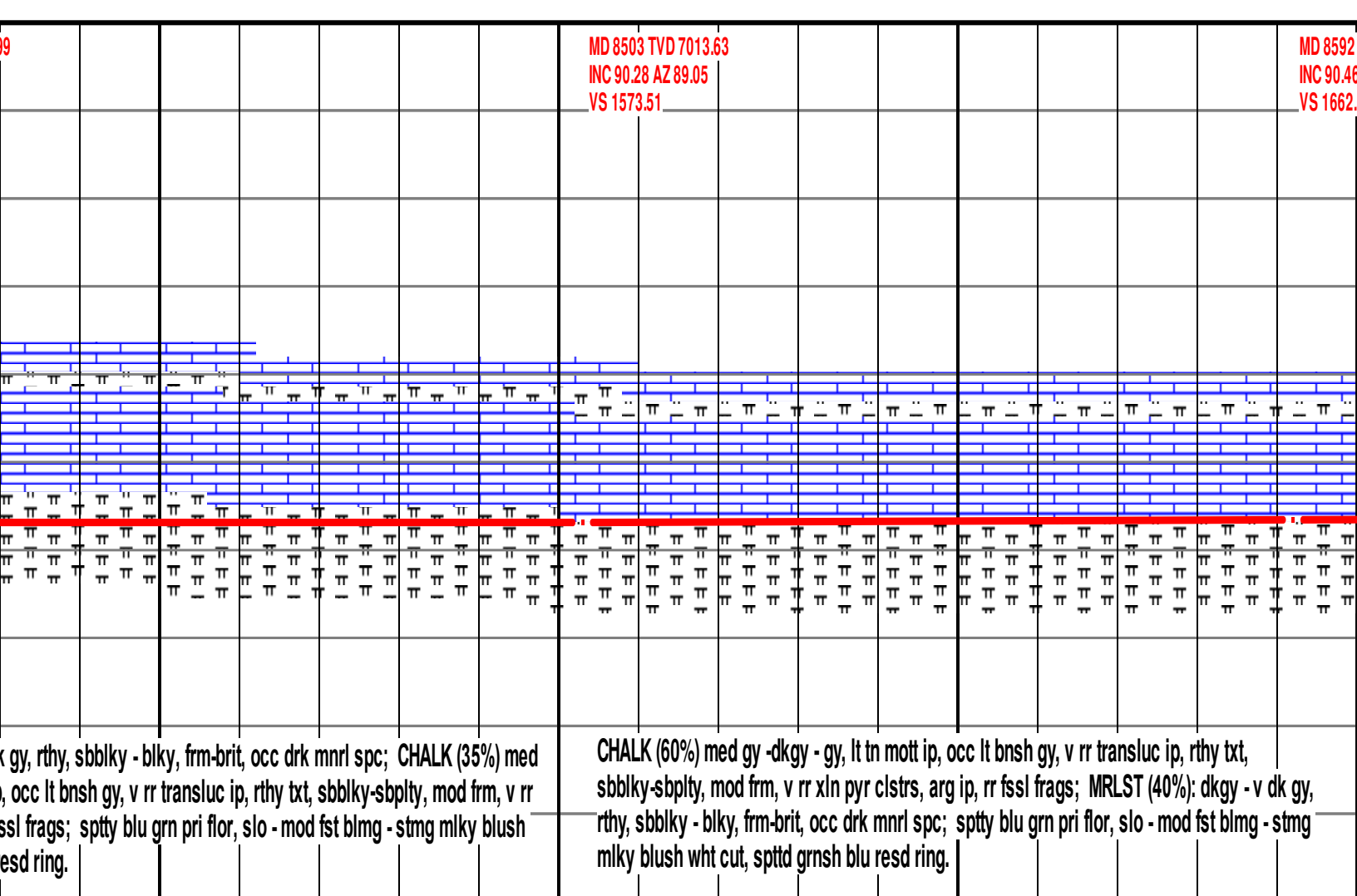


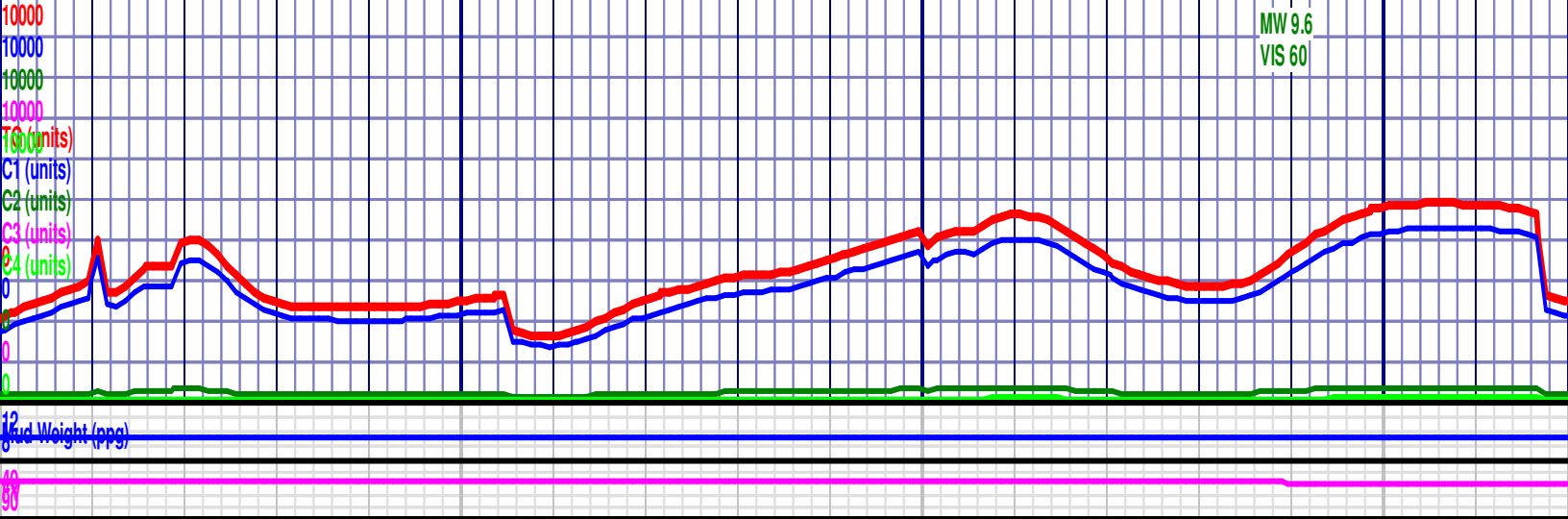
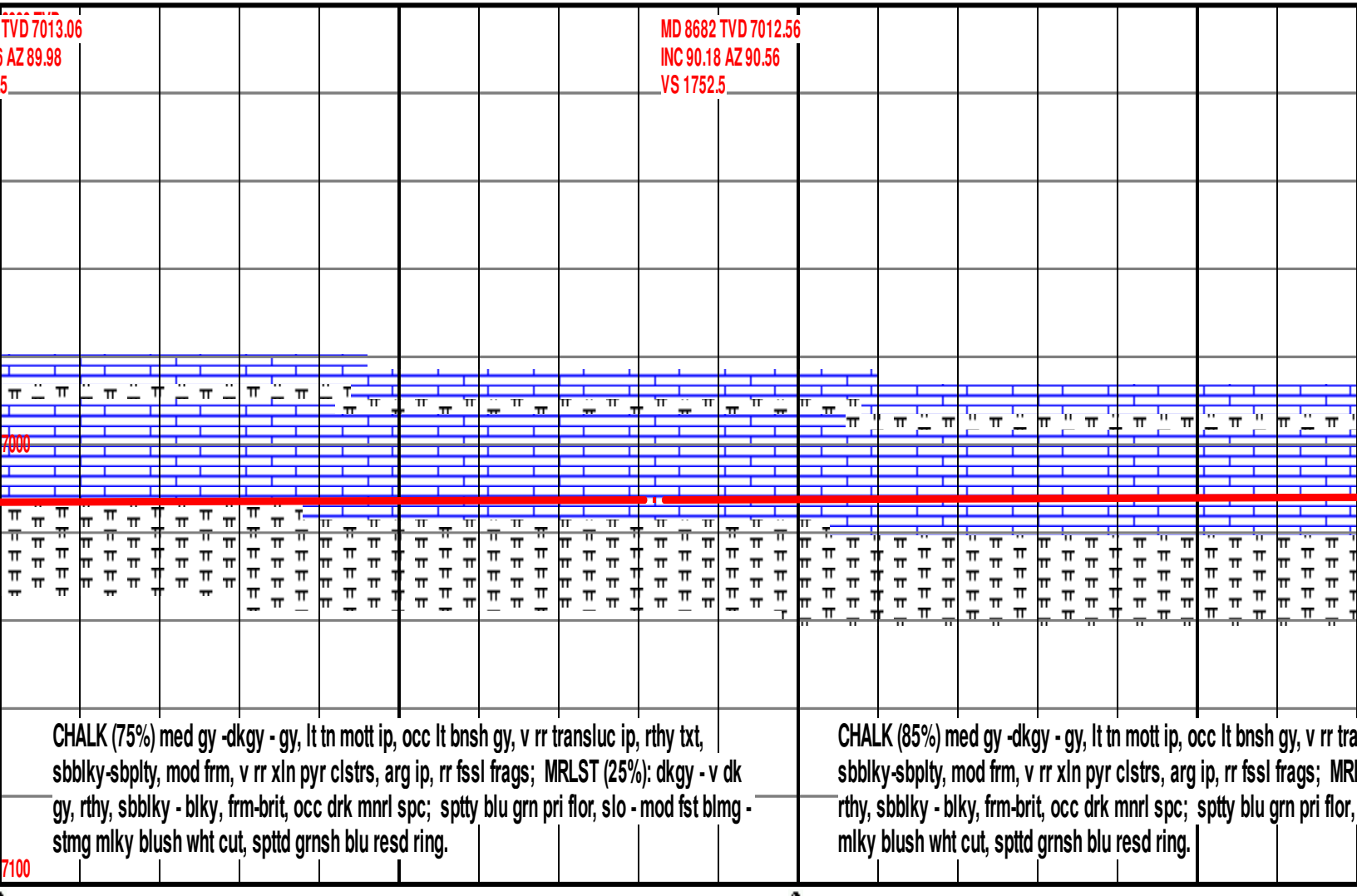
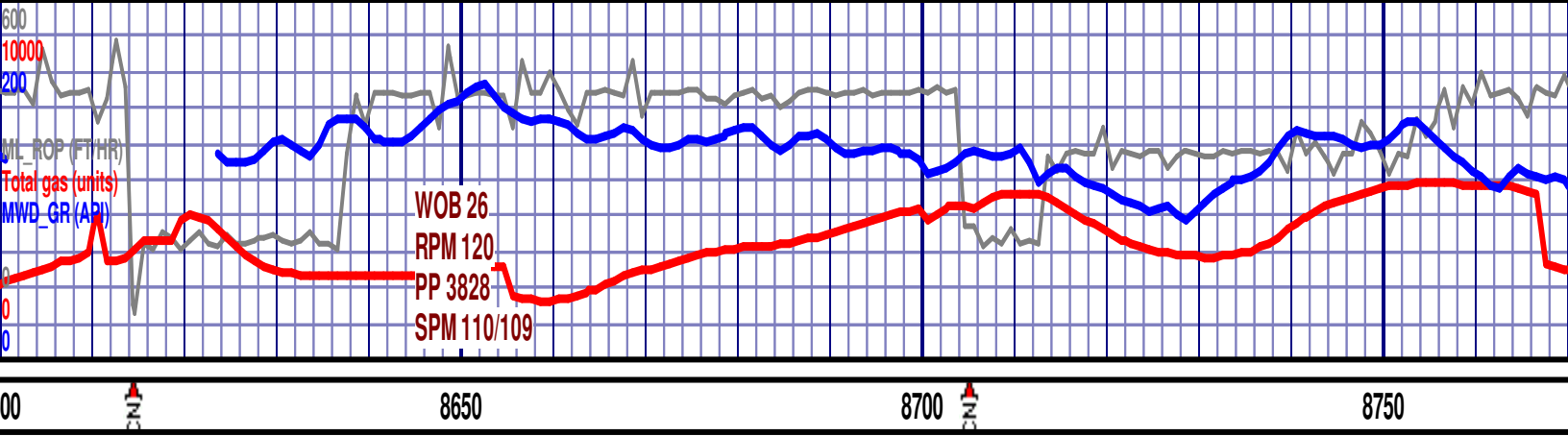
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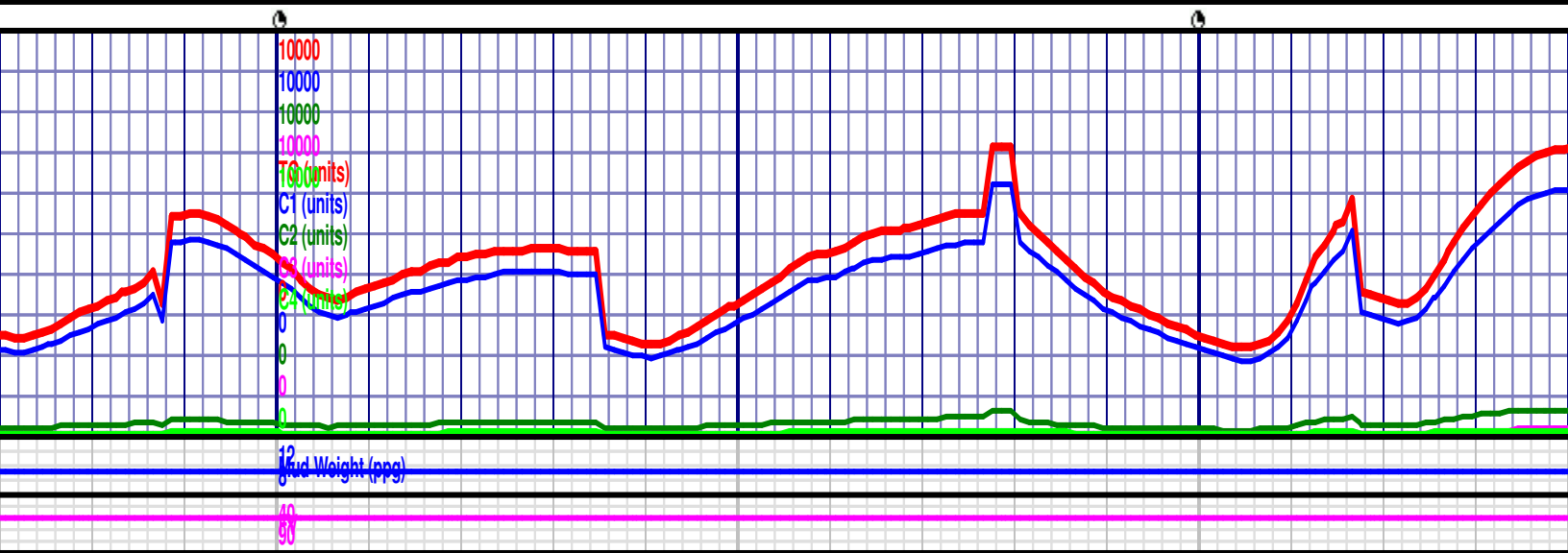
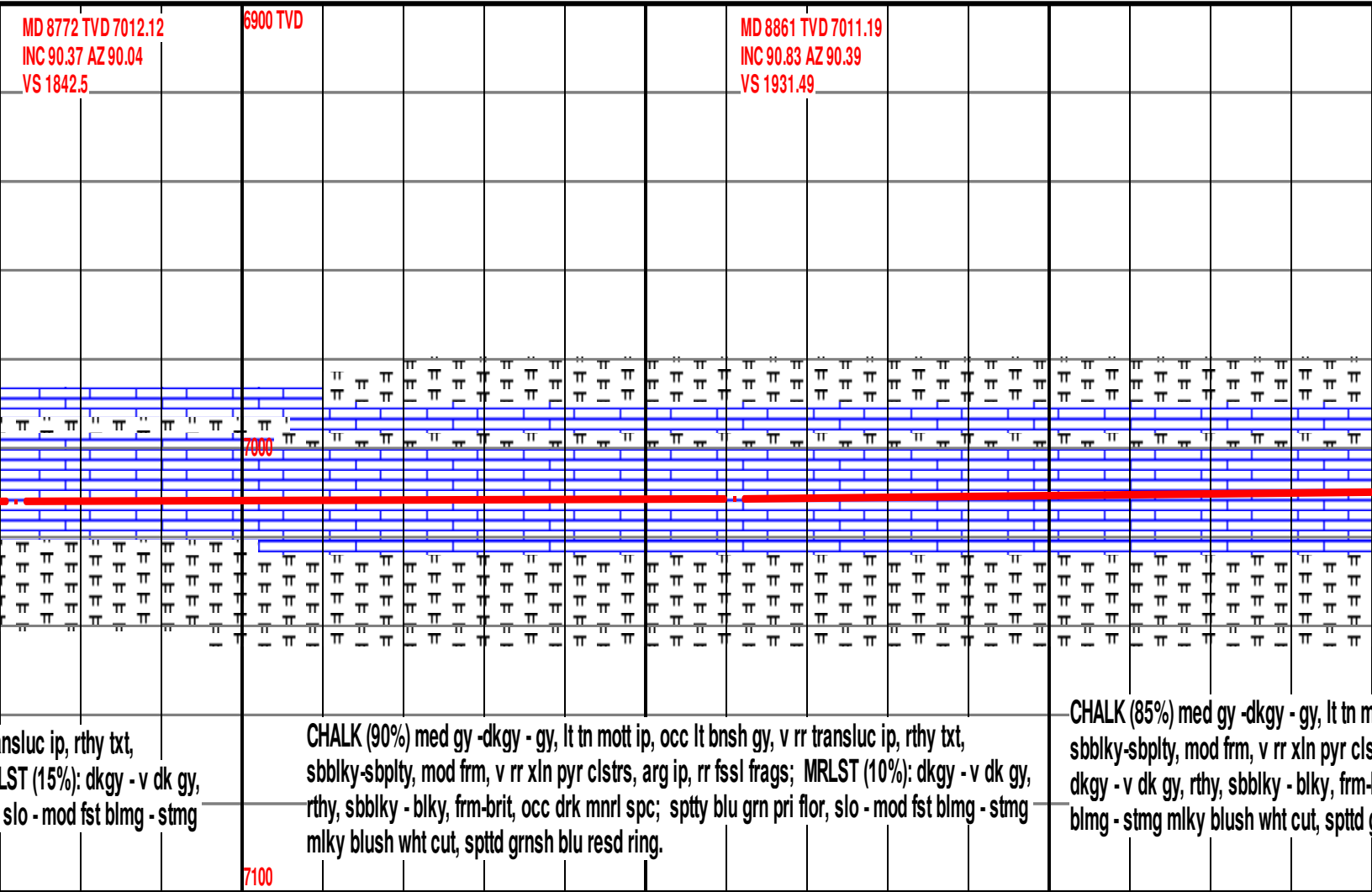
10000
10000
10000
10000
10000
Total gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
Fluid Weight (ppg)

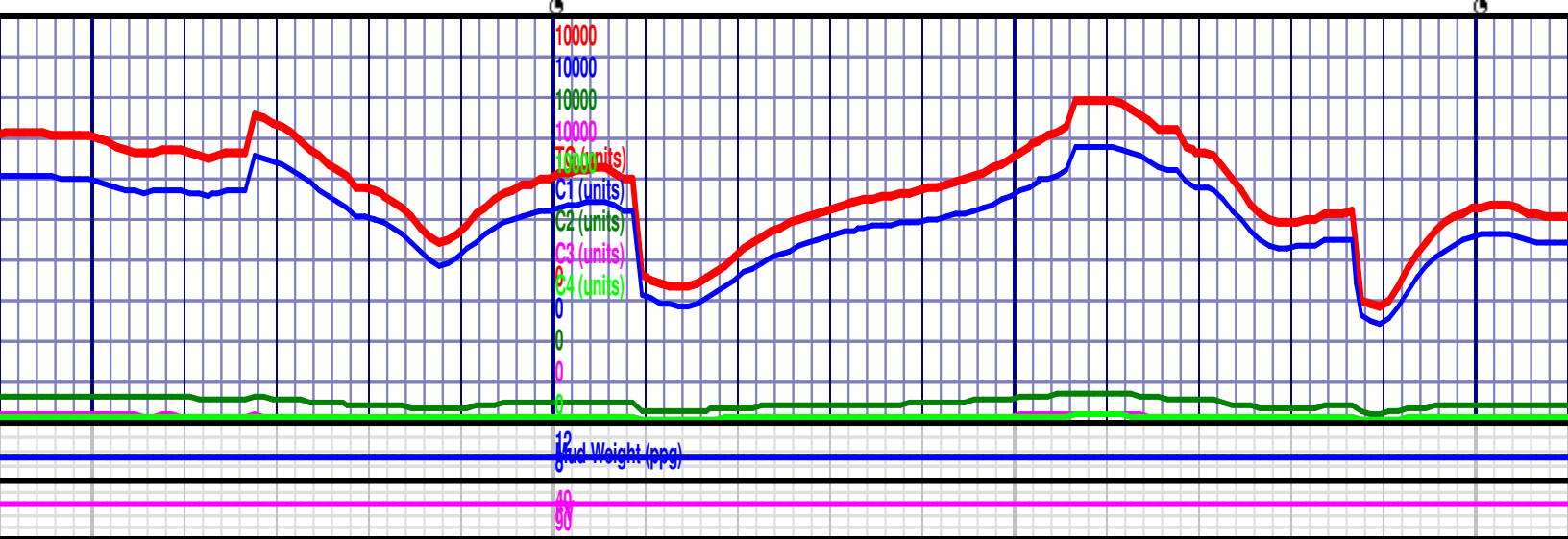
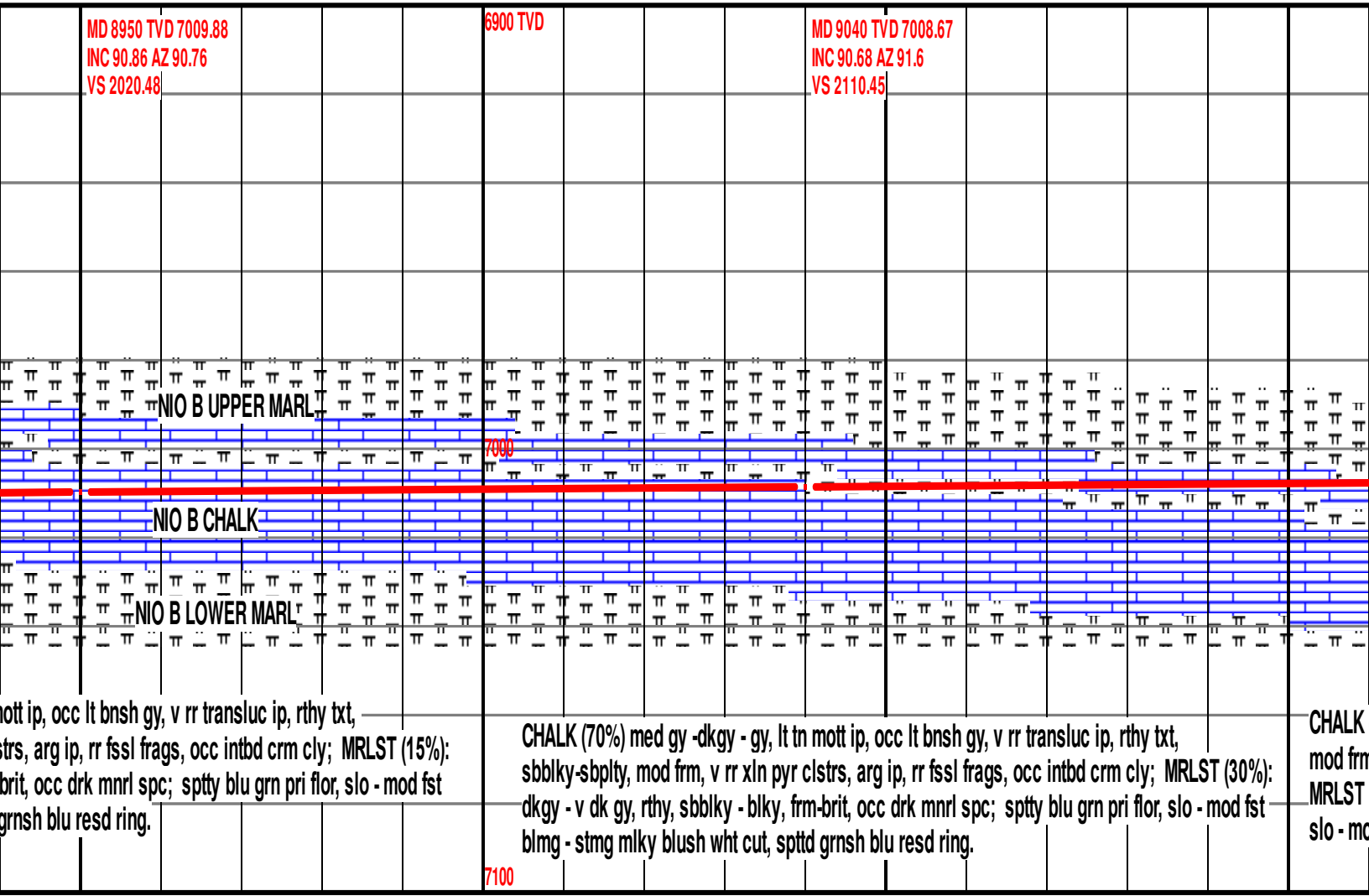
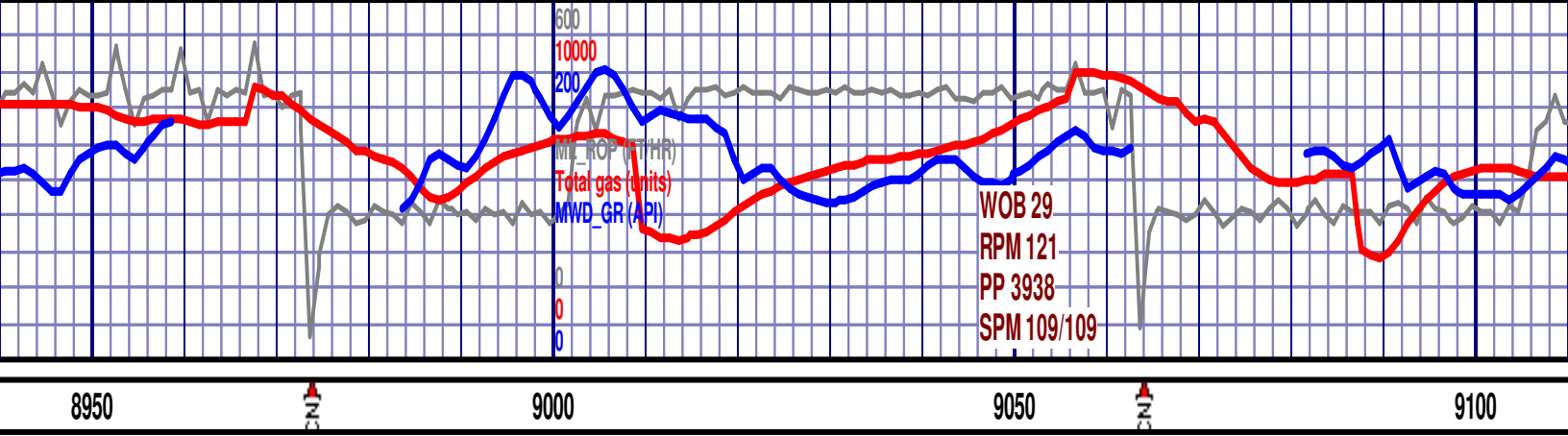


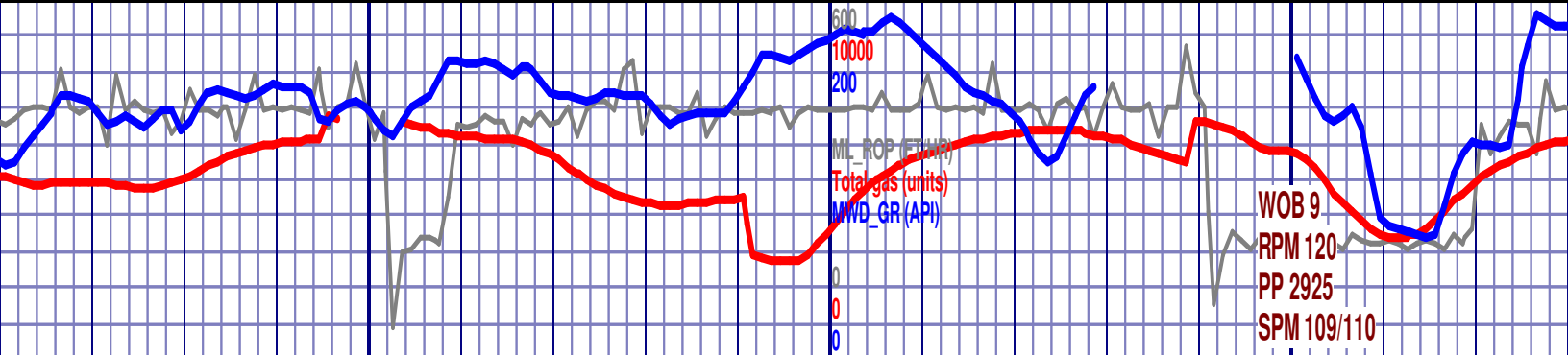
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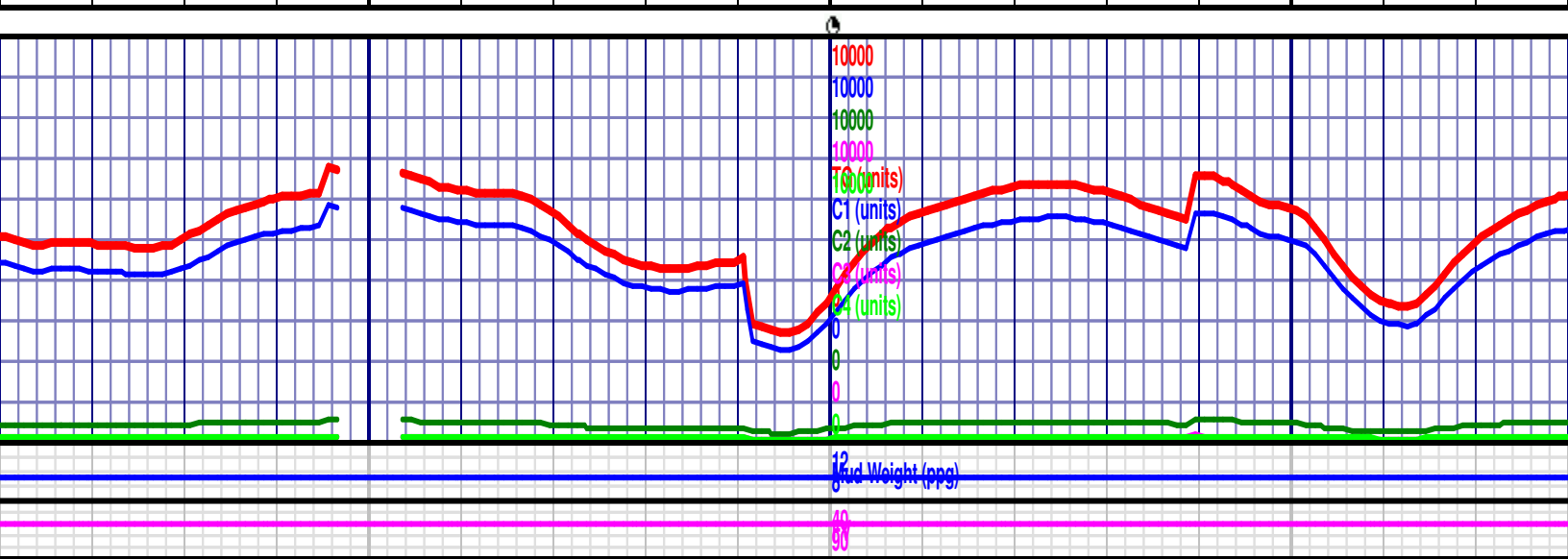
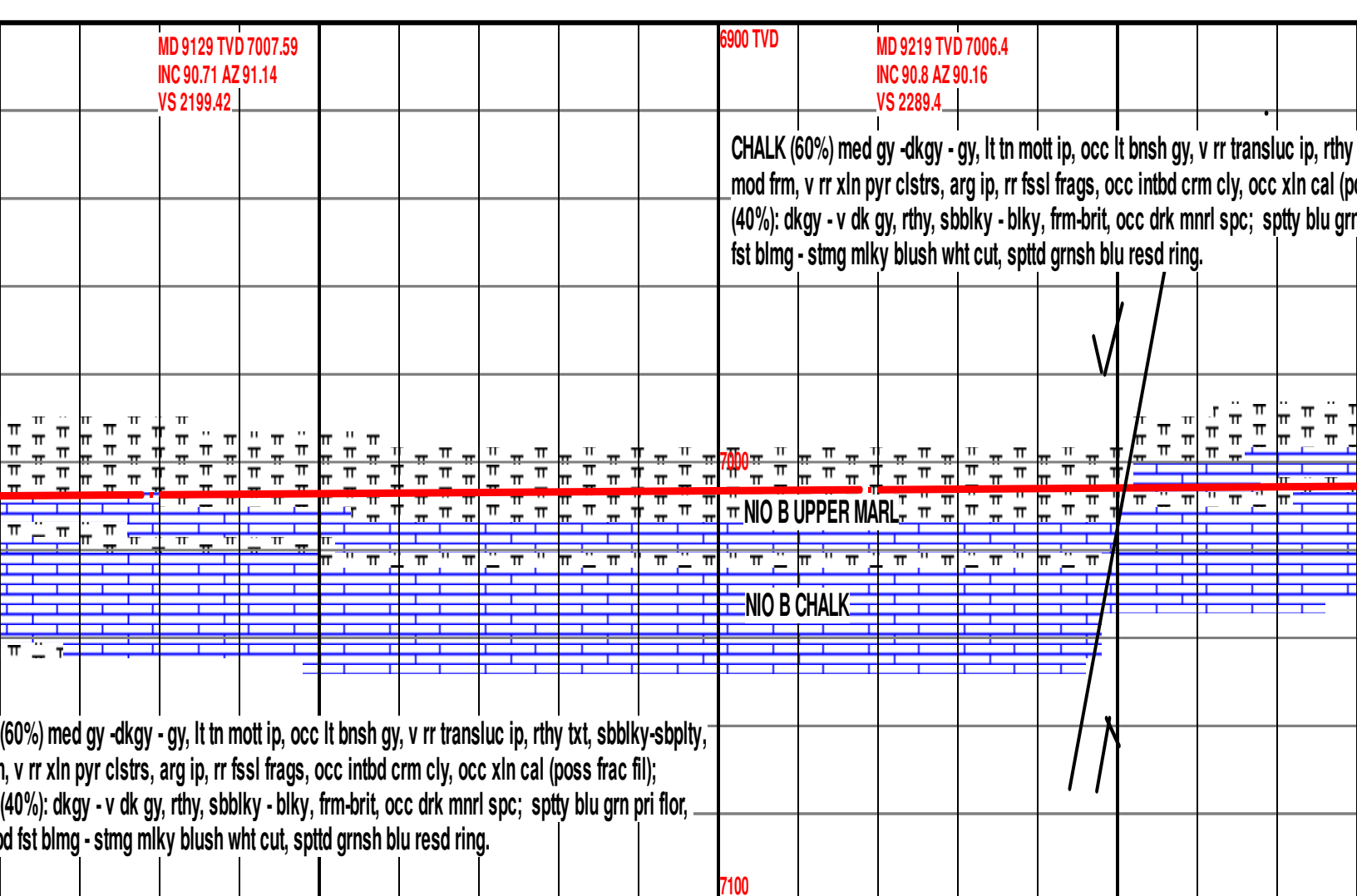


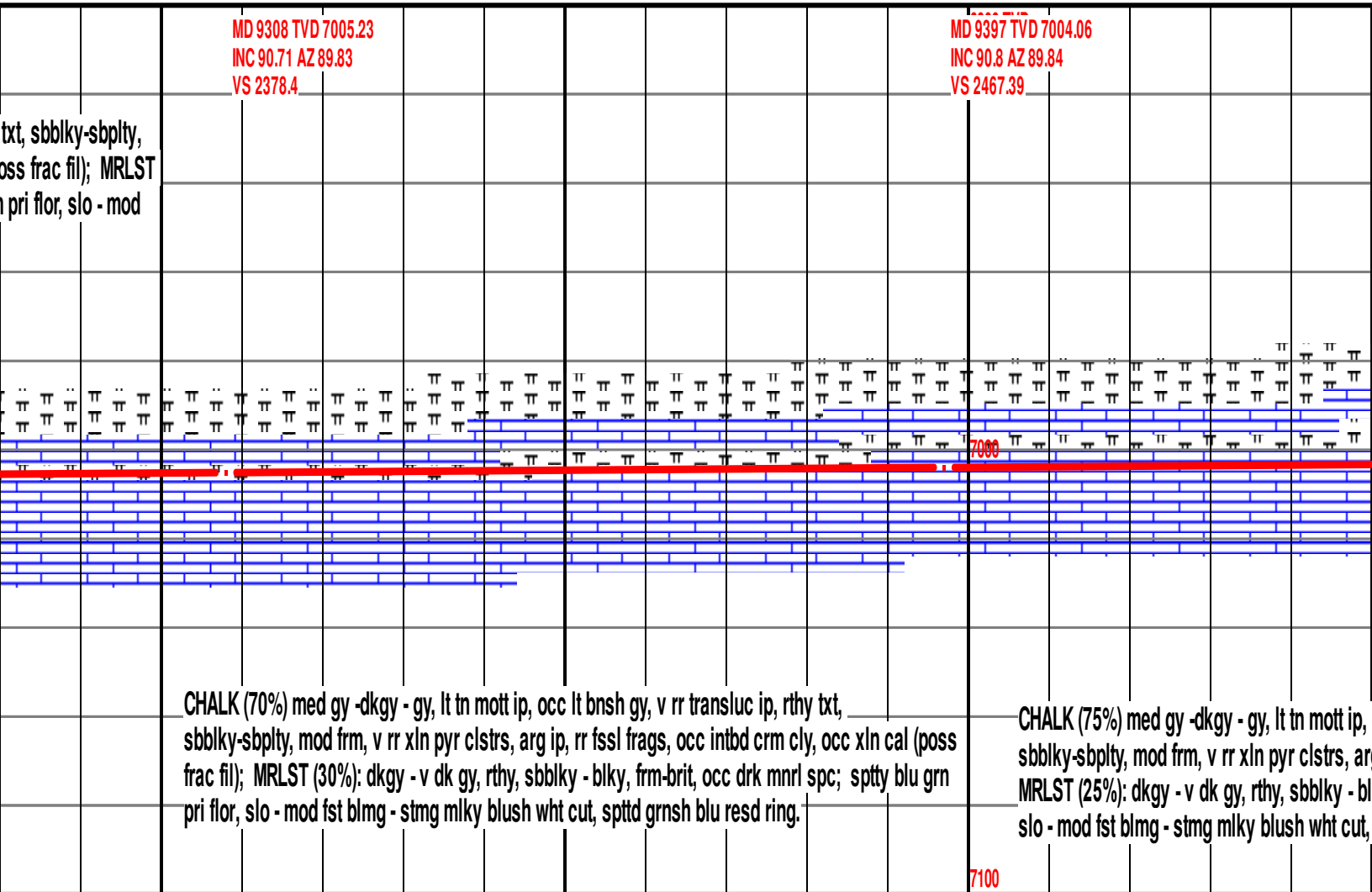


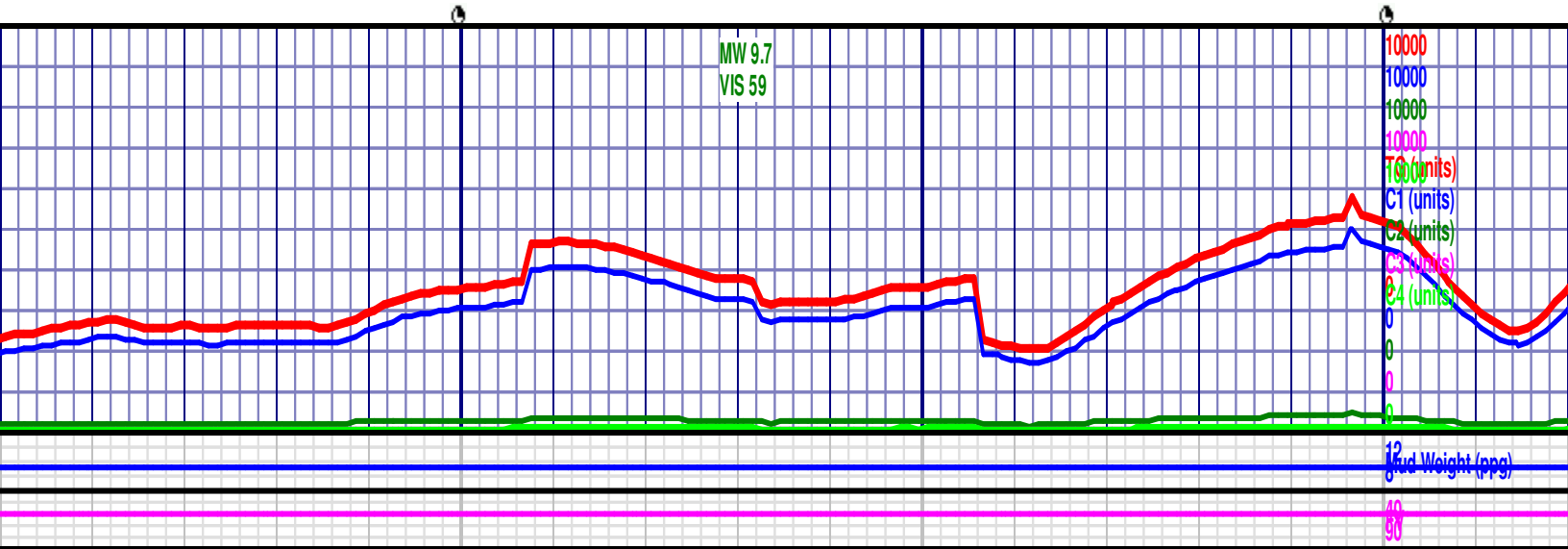
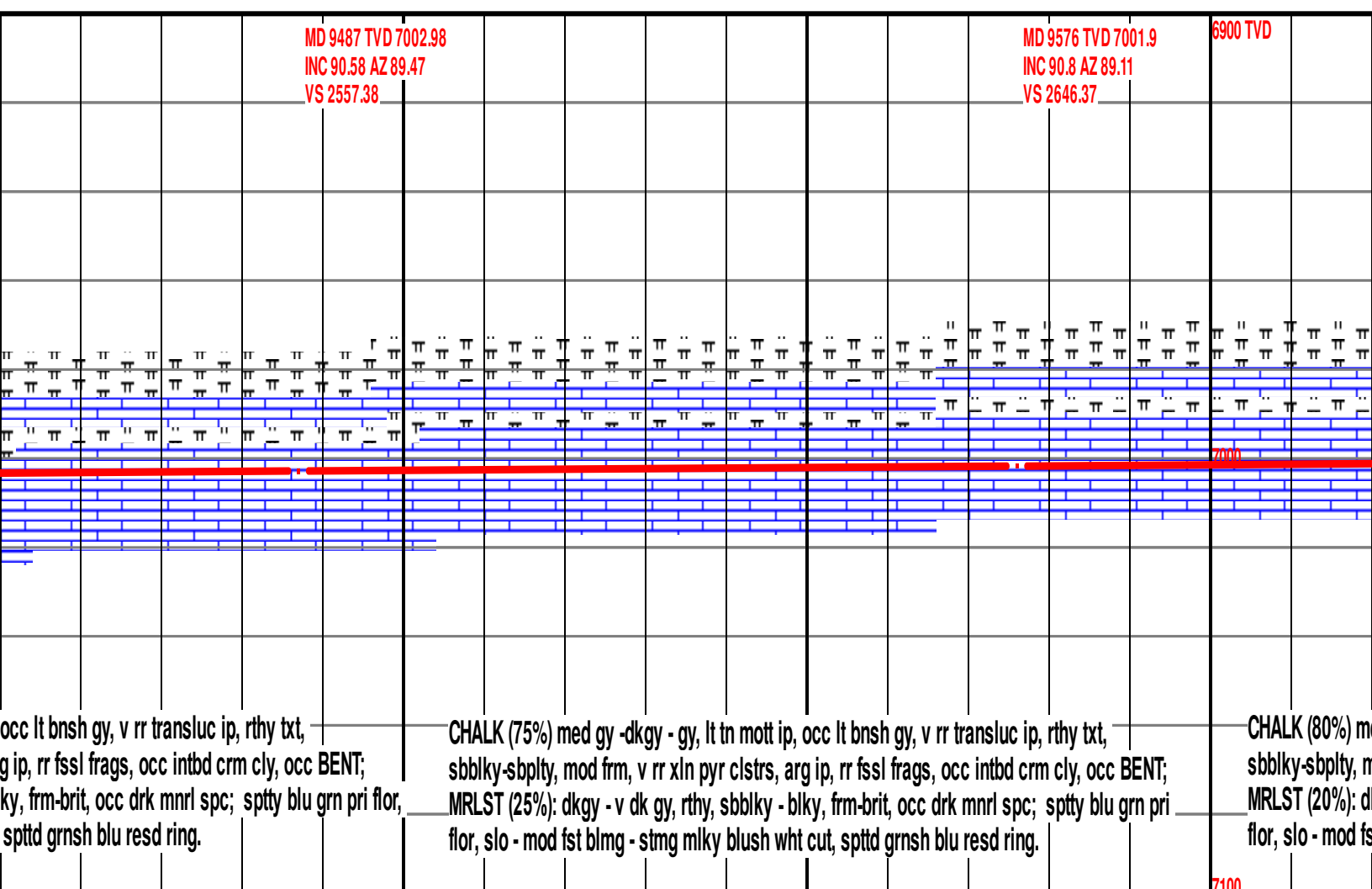
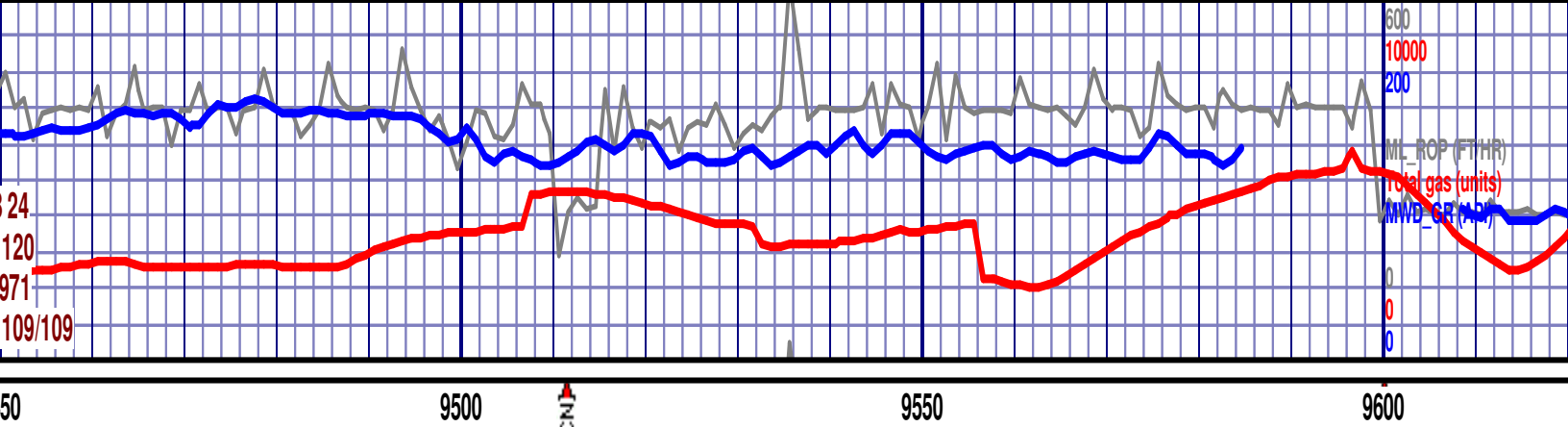


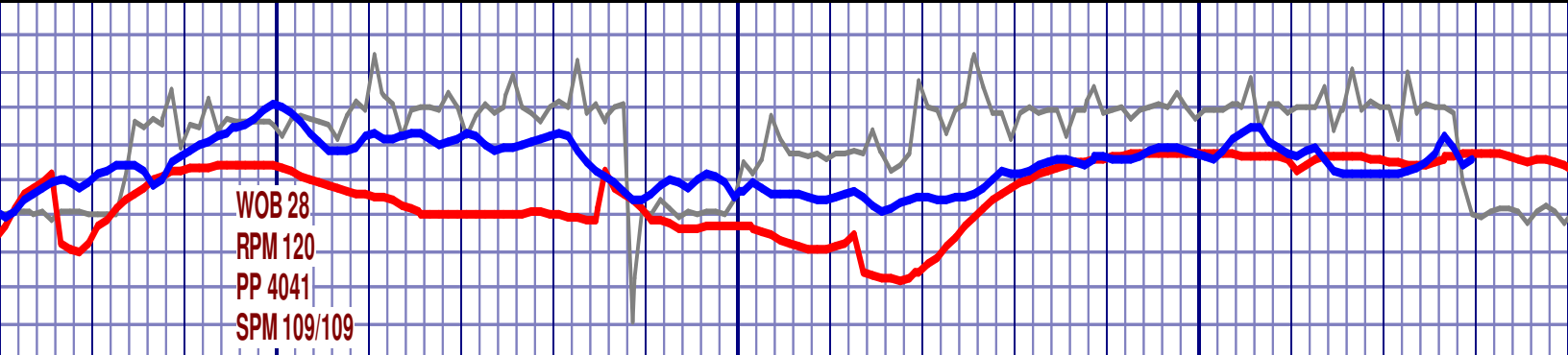


9150 9200 9250









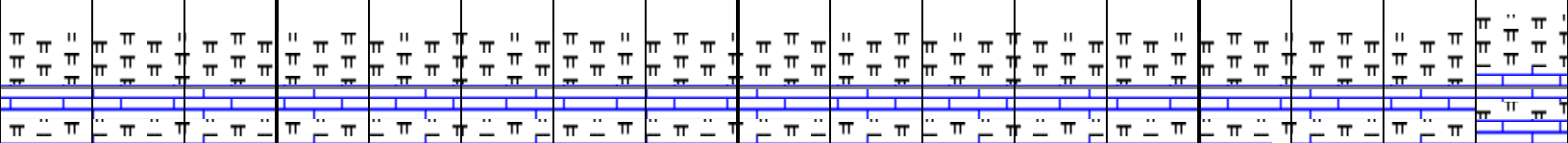
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9700

9750

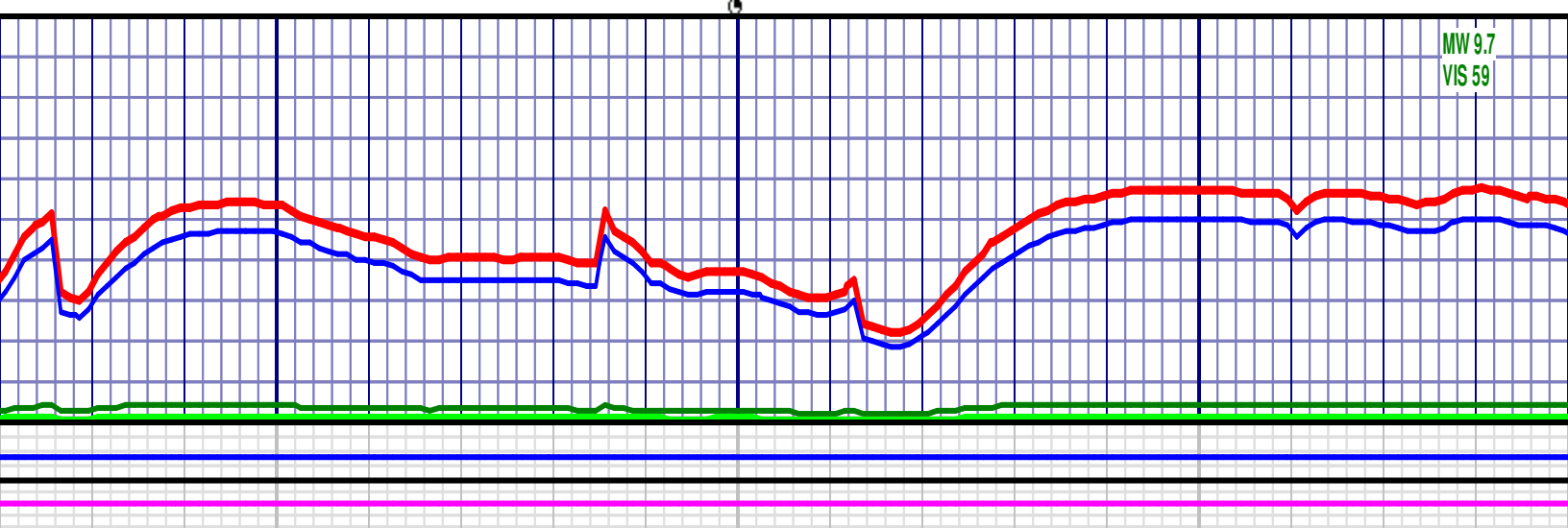
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VS 2736.35

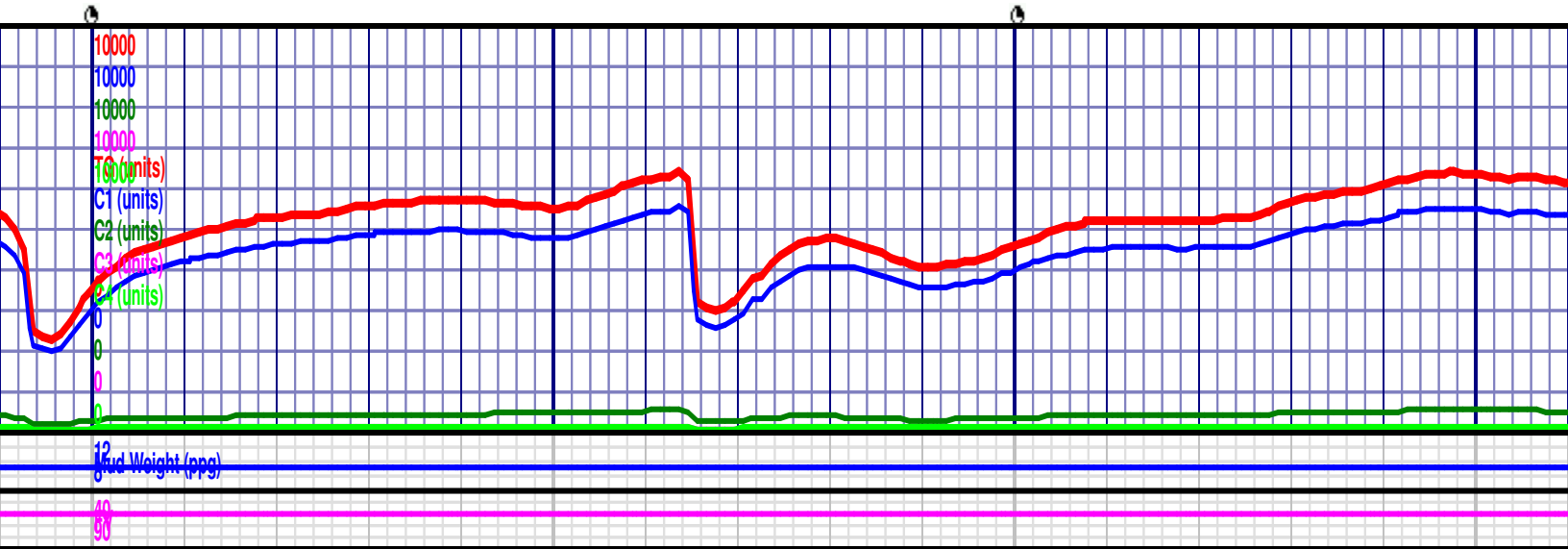
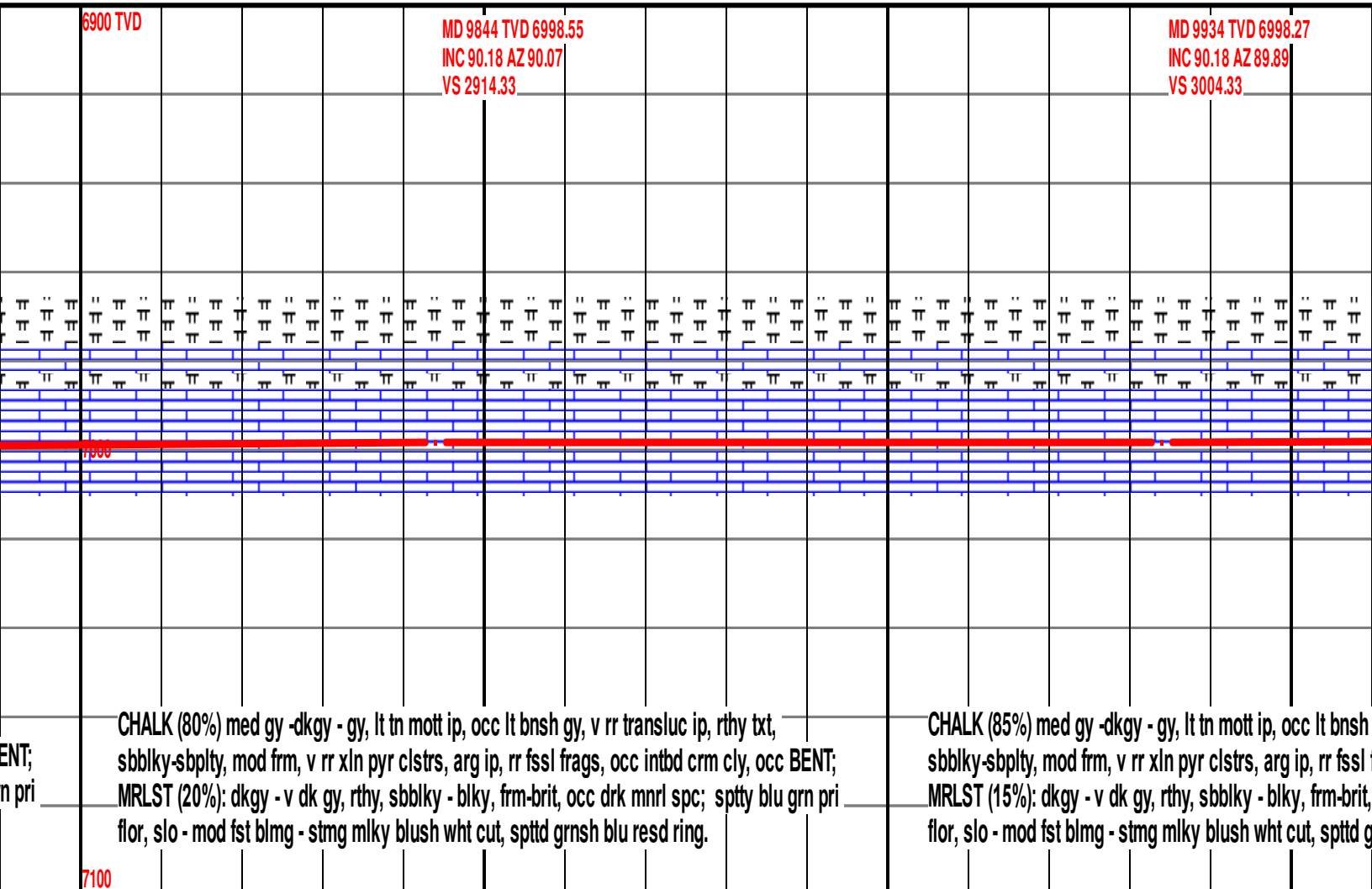
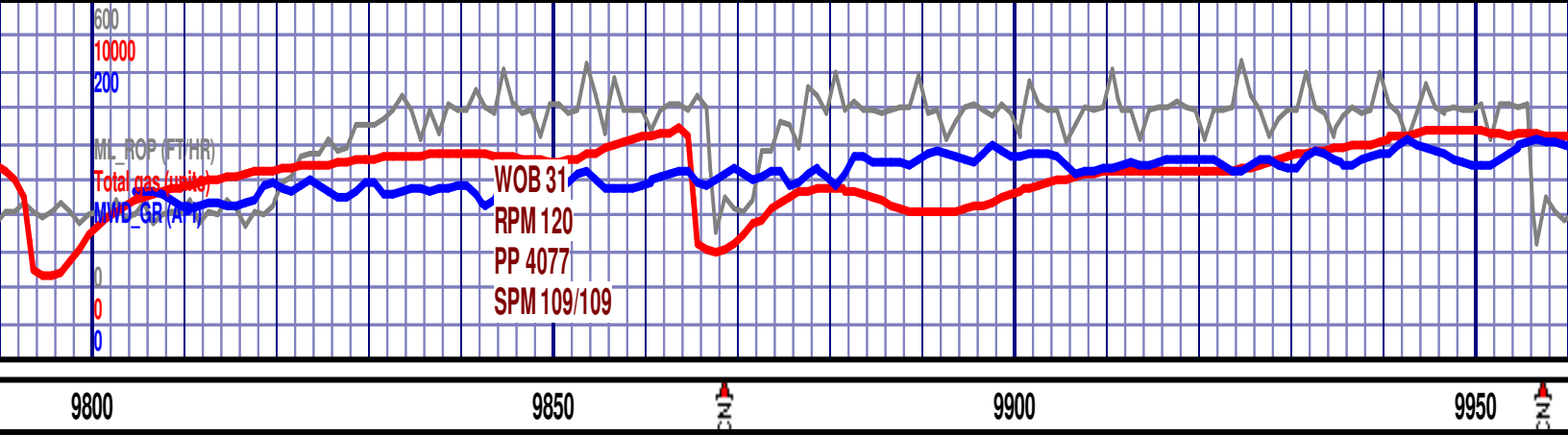
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VS 2825.34

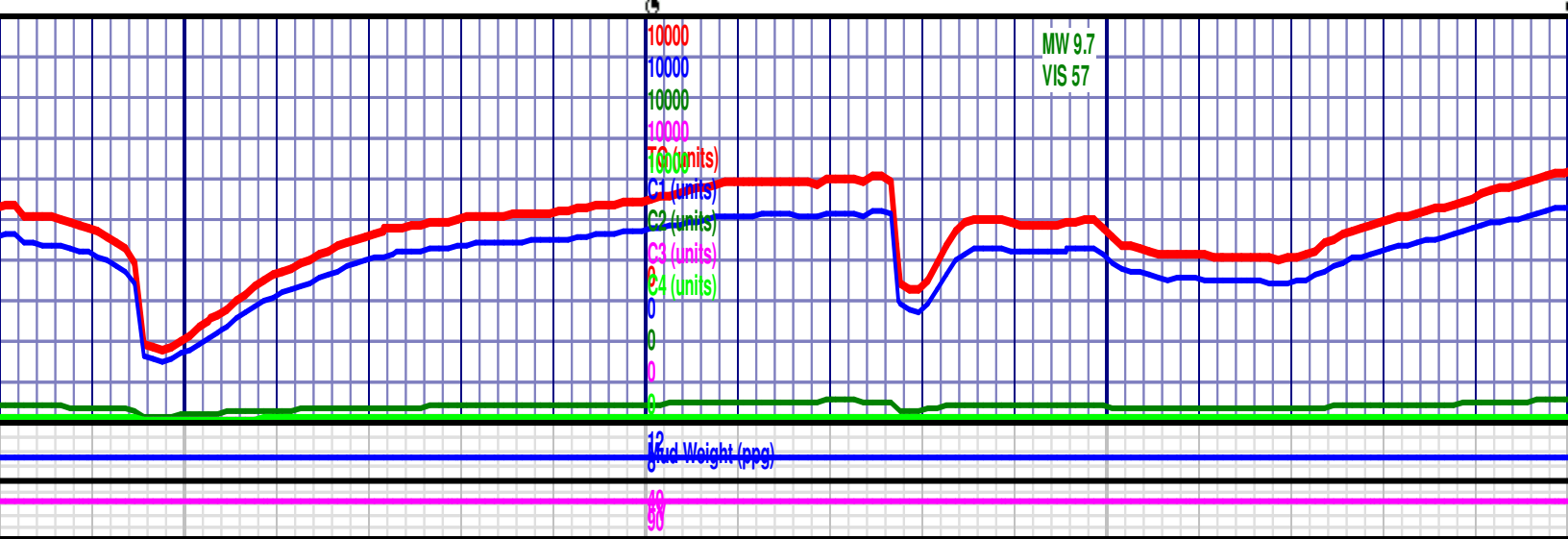
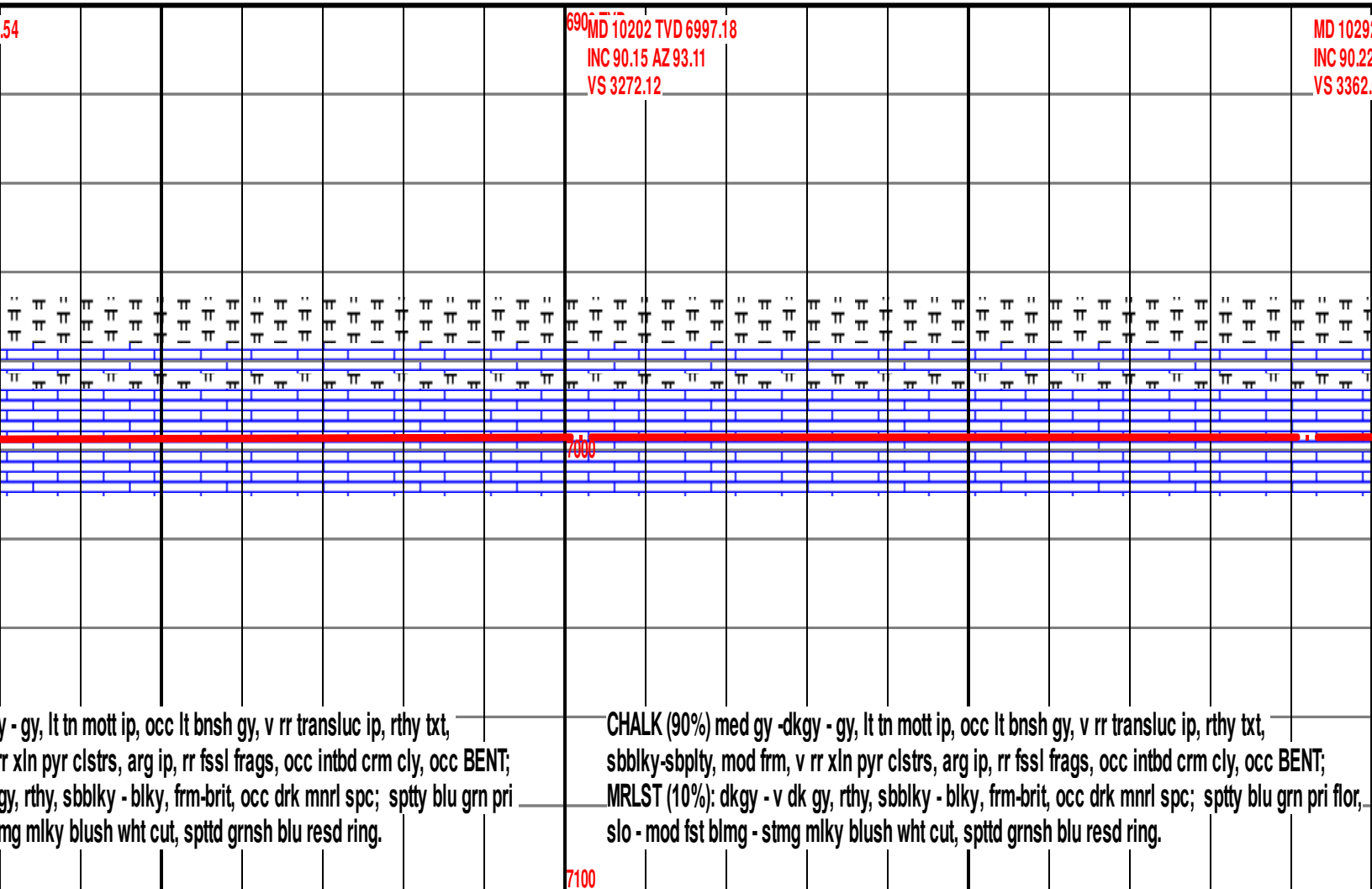
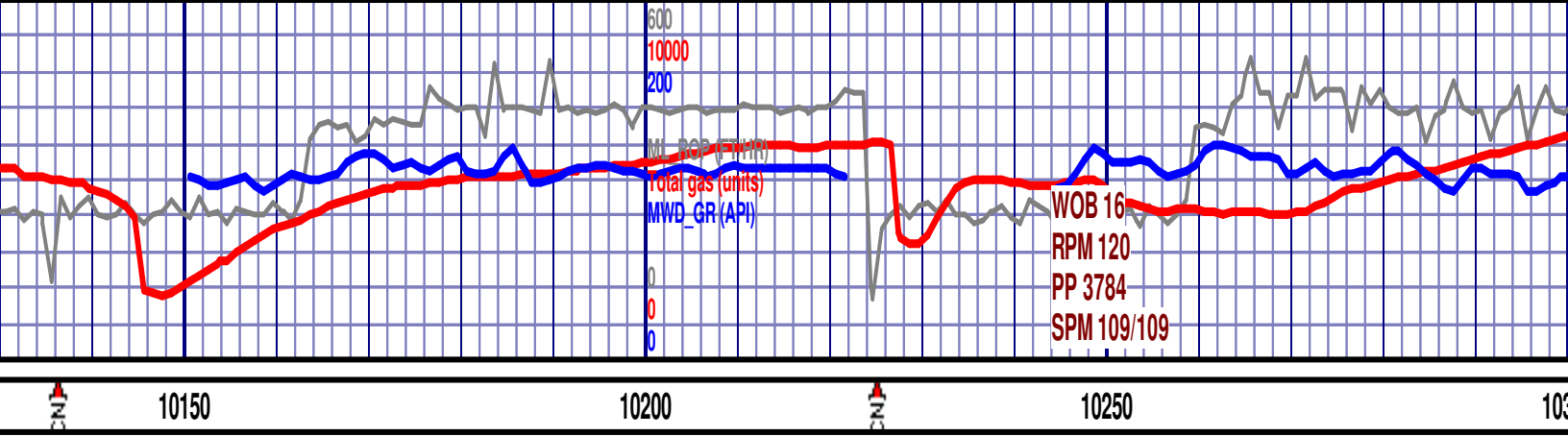


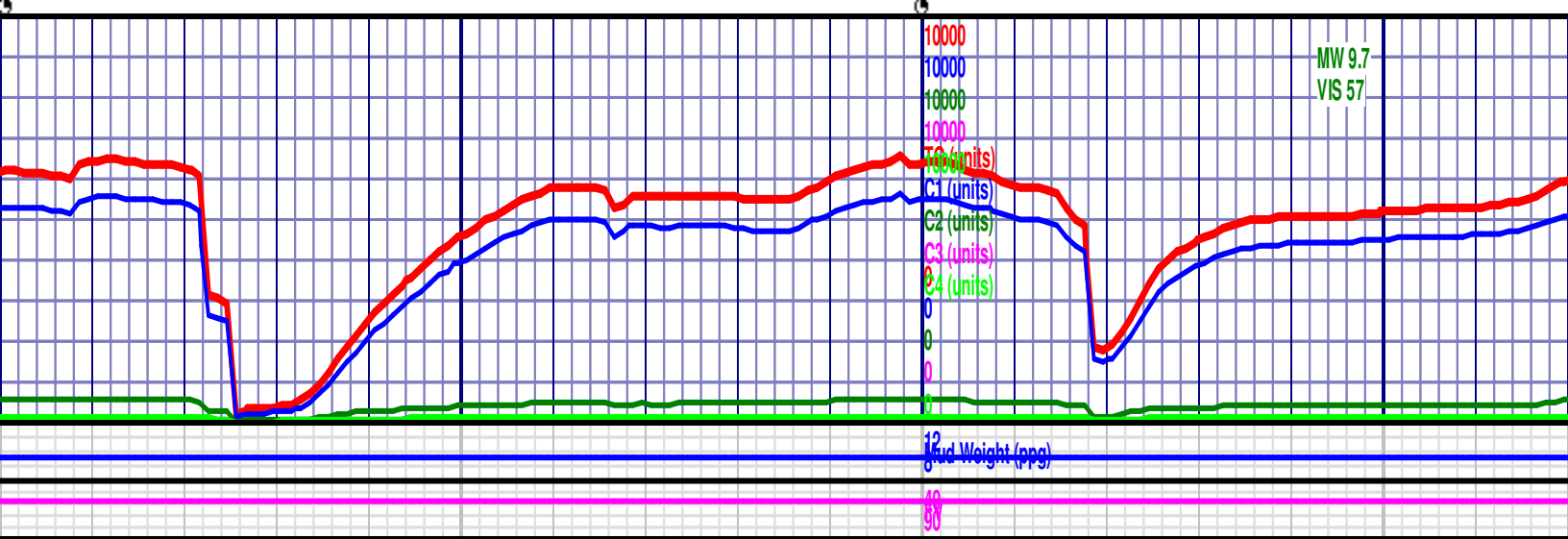
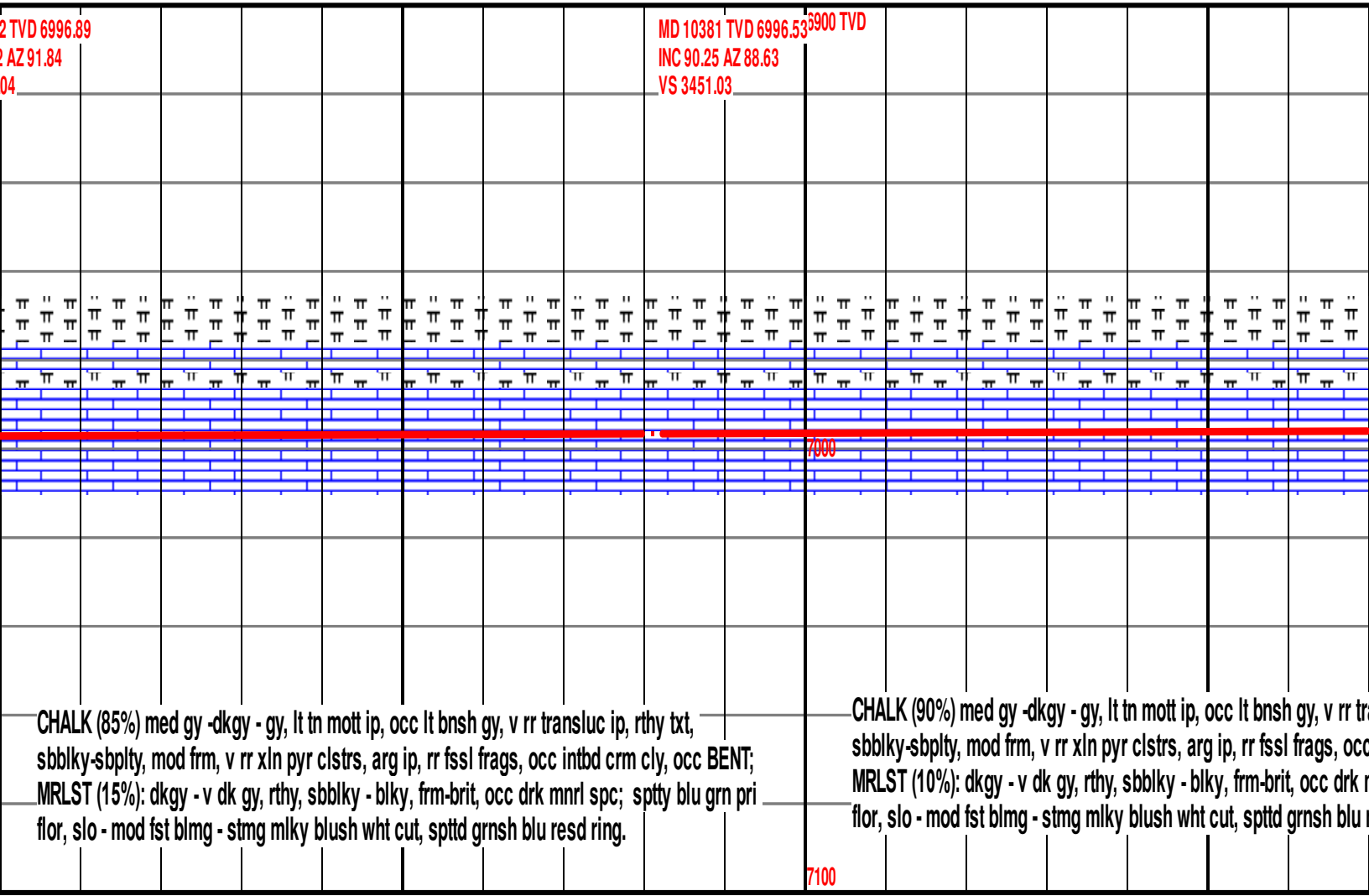
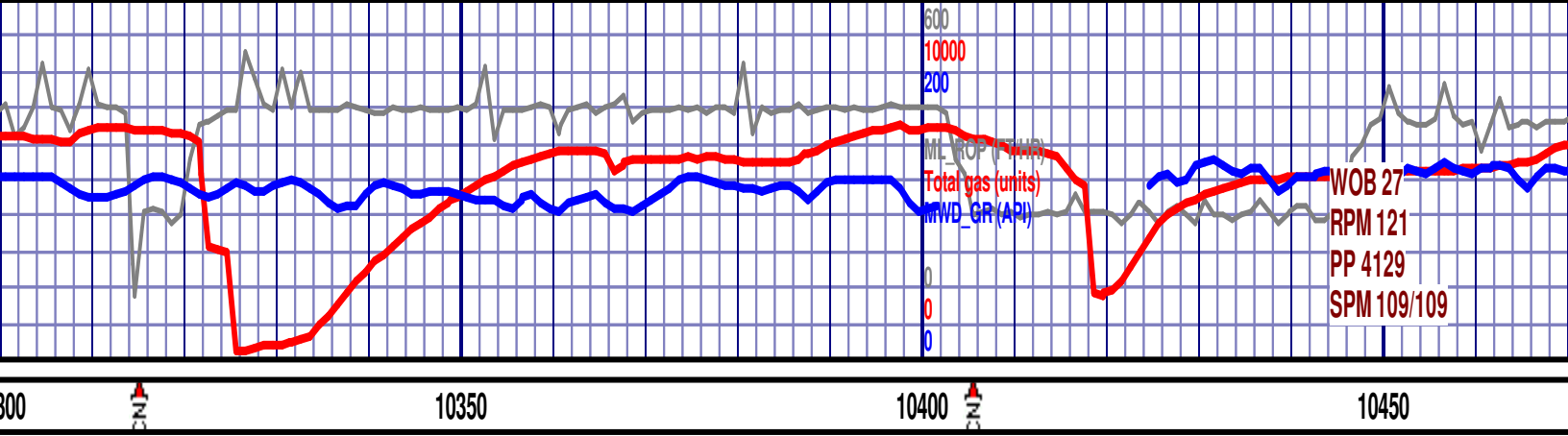
ed gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ BENT;
dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, occ drk mnrl spc; spty blu grn pri
st blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

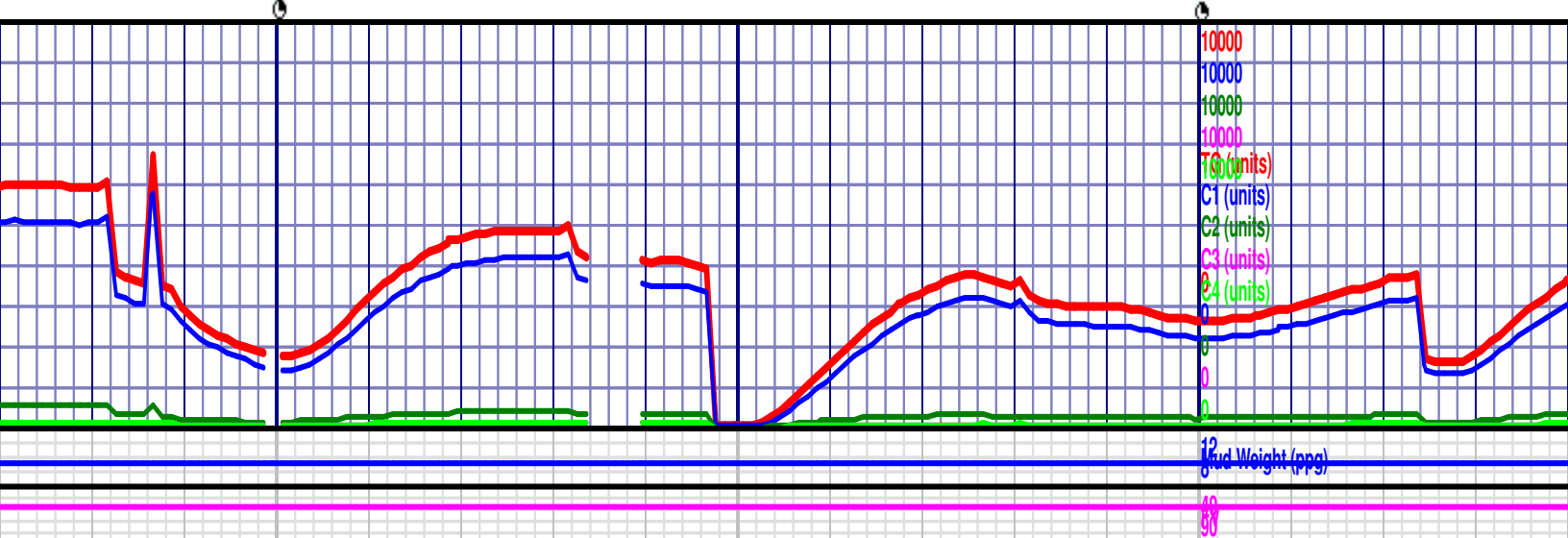
CHALK (75%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ B
MRLST (25%): dkgy - v dk gy, rthy, sbblky - blkgy, frm-brit, occ drk mnrl spc; spty blu gr
flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

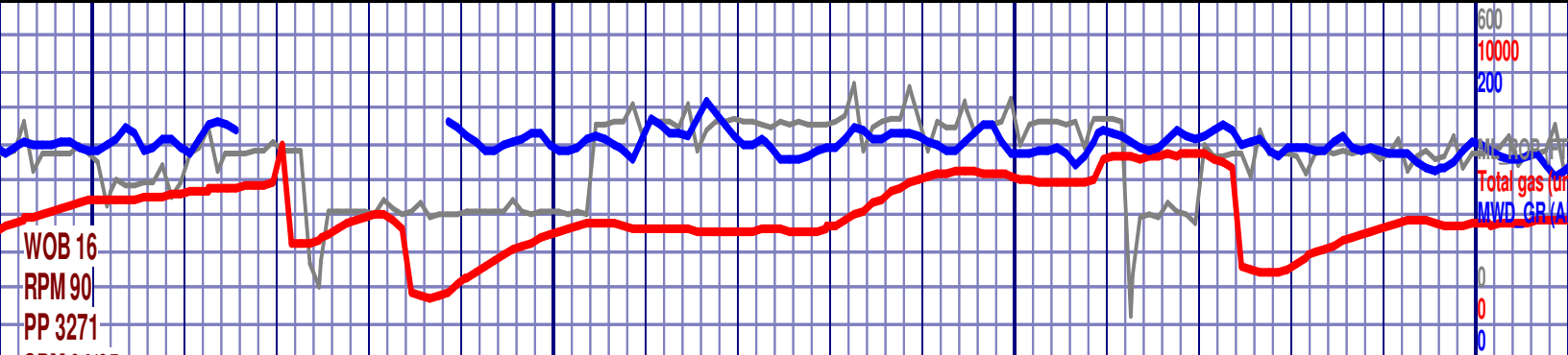






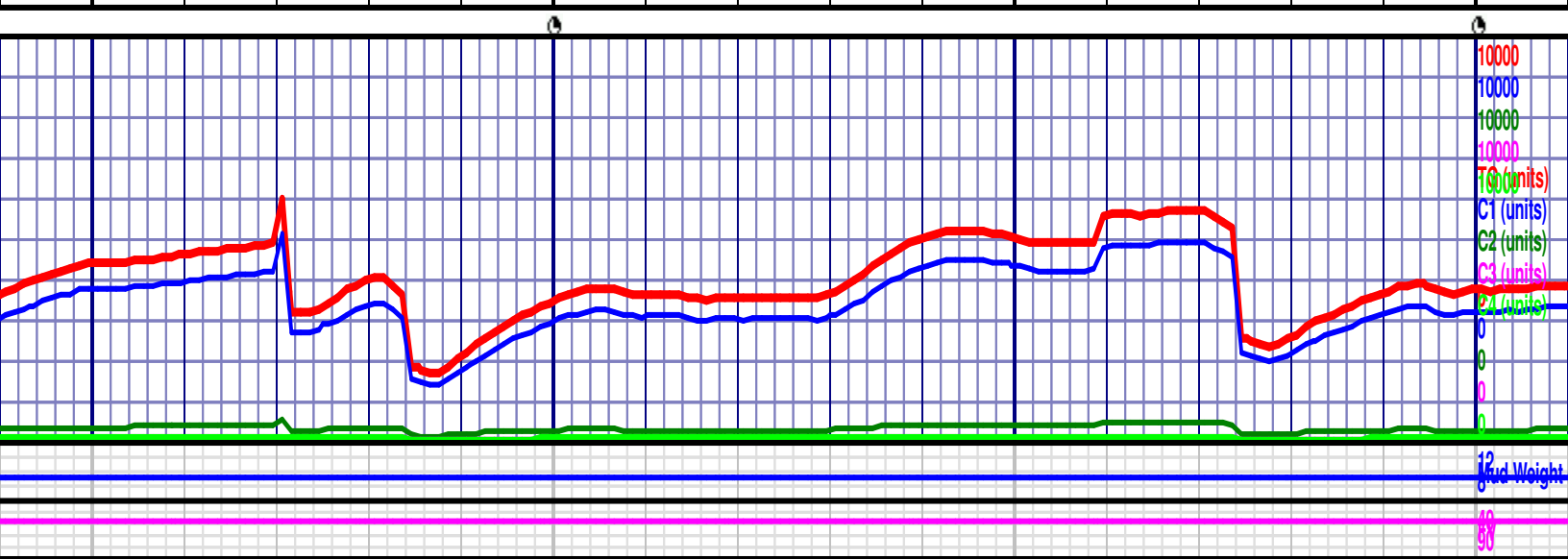


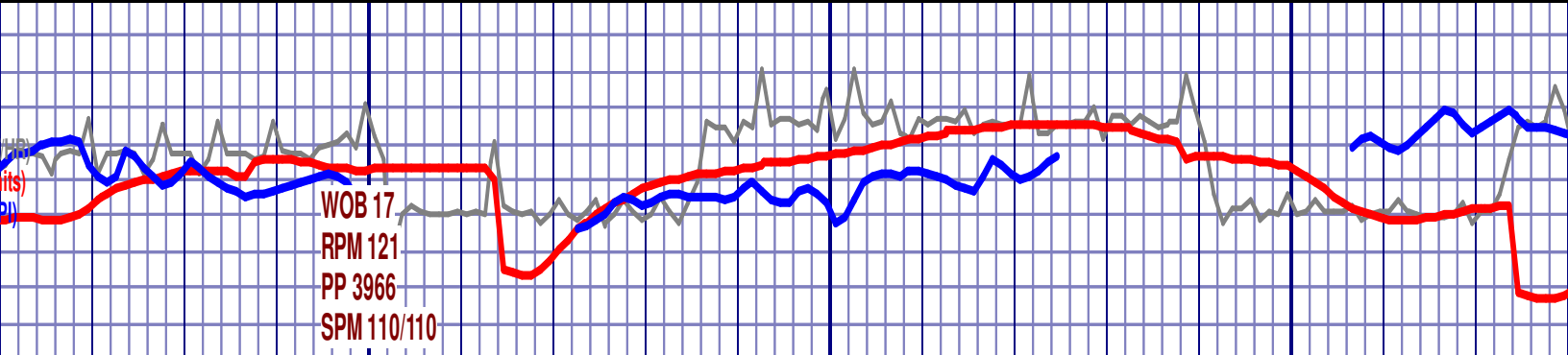




10650 10700 10750 10800

<p>MD 10650 TVD 6995.64 INC 90.28 AZ 88.95 VS 3719.74</p> <p>mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ BENT; sbbiky - blkly, frm-brit, occ drk mnrl spc; sppty blu grn pri flor, wht cut, spstd grnsh blu resd ring.</p>	<p>MD 10739 TVD 6995.76 INC 89.57 AZ 89.11 VS 3808.73</p> <p>CHALK (80%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbbiky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ BENT; MRLST (20%): dkgy - v dk gy, rthy, sbbiky - blkly, frm-brit, occ drk mnrl spc; sppty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spstd grnsh blu resd ring.</p>	<p>6900 TVD</p> <p>CHALK (80%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbbiky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ BENT; MRLST (20%): dkgy - v dk gy, rthy, sbbiky - blkly, frm-brit, occ drk mnrl spc; sppty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spstd grnsh blu resd ring.</p>
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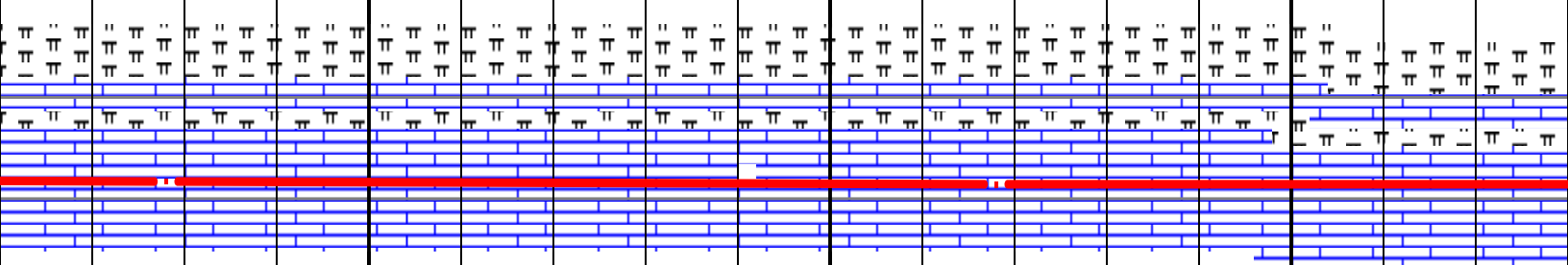
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10900

10950

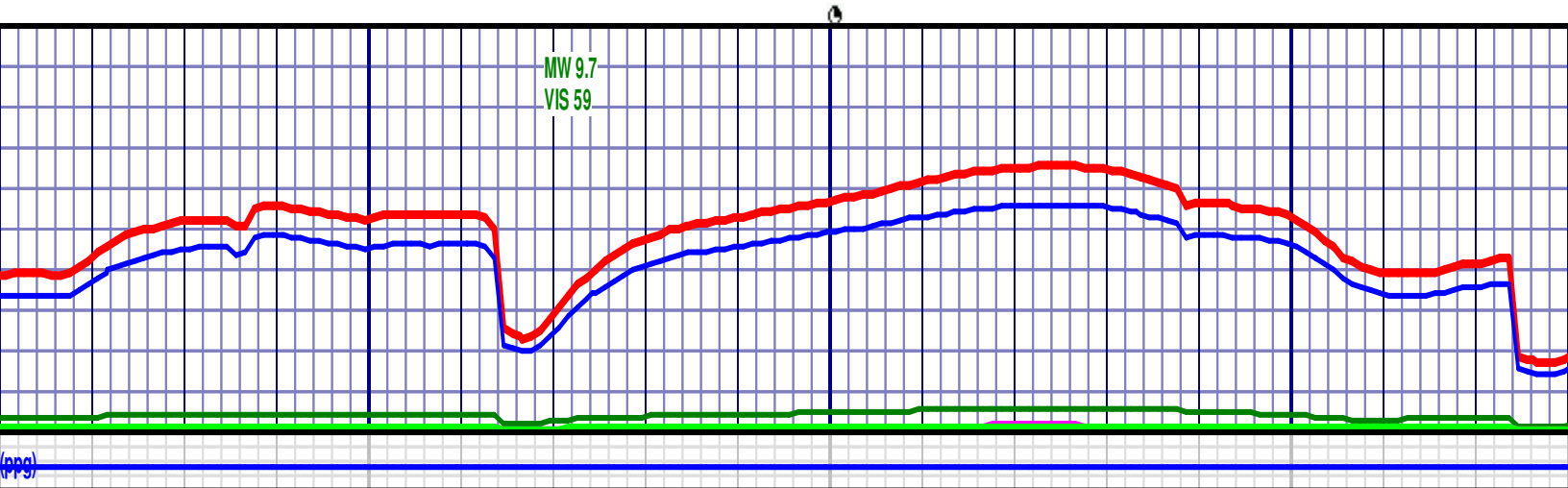
MD 10828 TVD 6996.29
INC 89.75 AZ 90.28
VS 3897.72

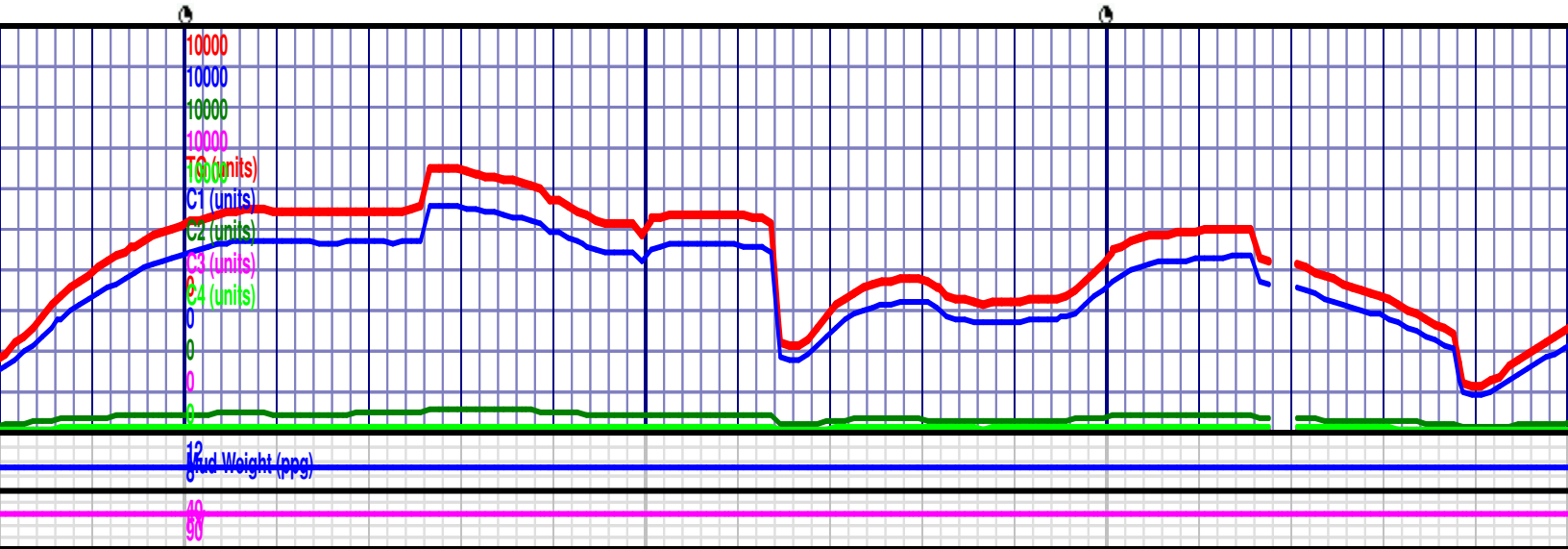
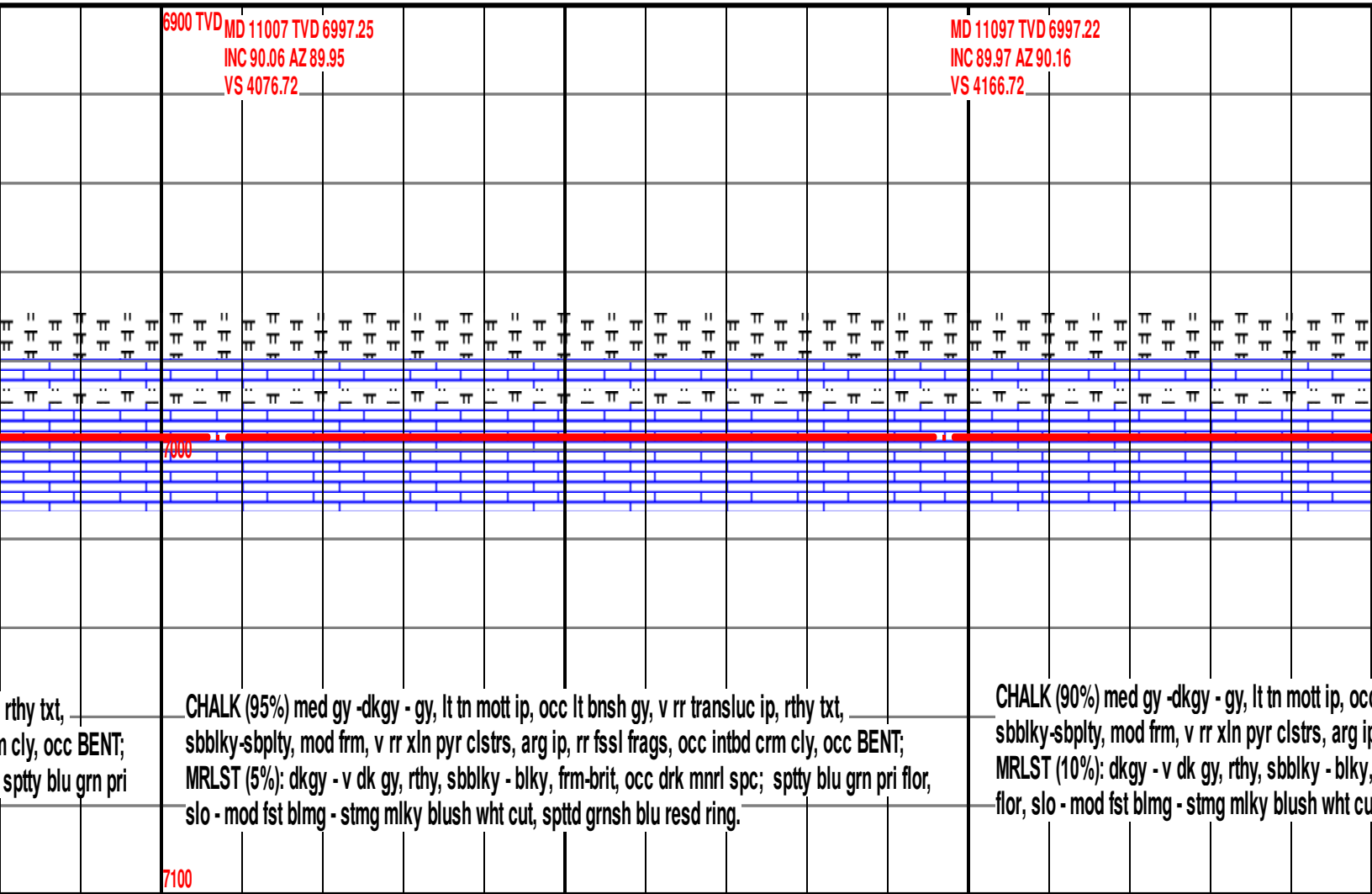
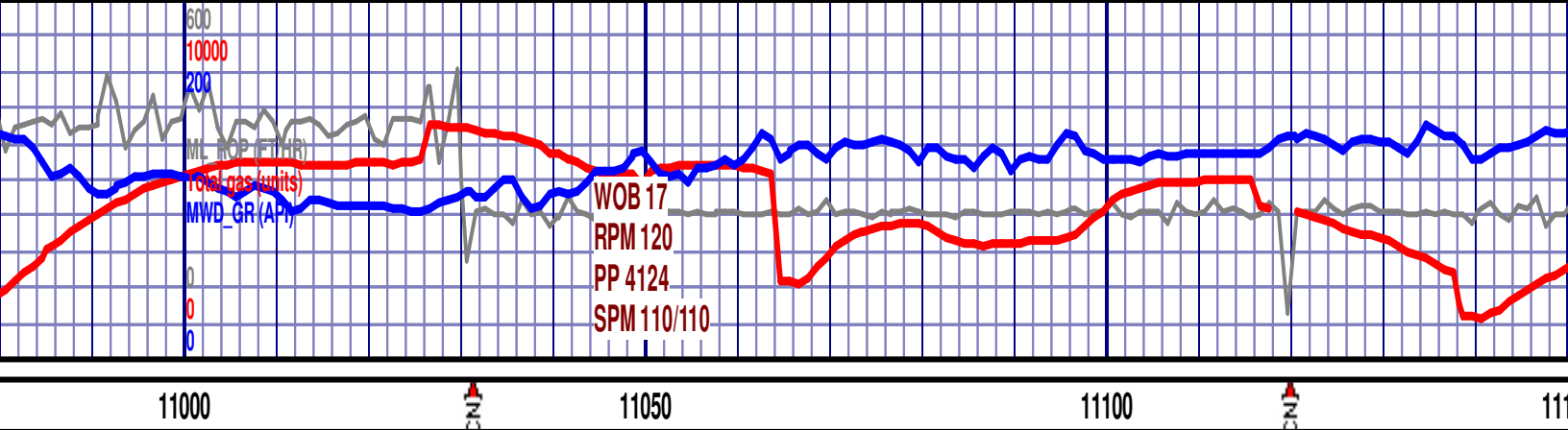
MD 10918 TVD 6996.89
INC 89.48 AZ 89.8
VS 3987.72



K (85%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, y-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, occ BENT; T (15%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit, occ drk mnrl spc; sptty blu grn pri lo - mod fst blmg - stmg milky blush wht cut, spttd grnsh blu resd ring.

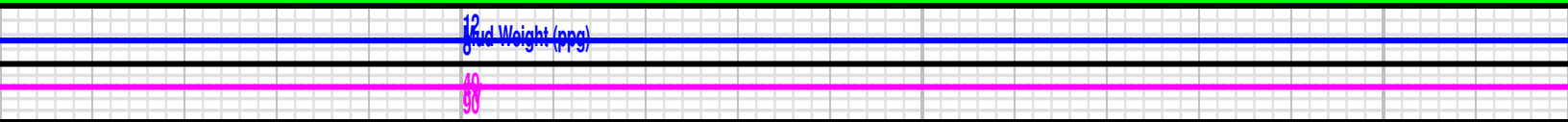
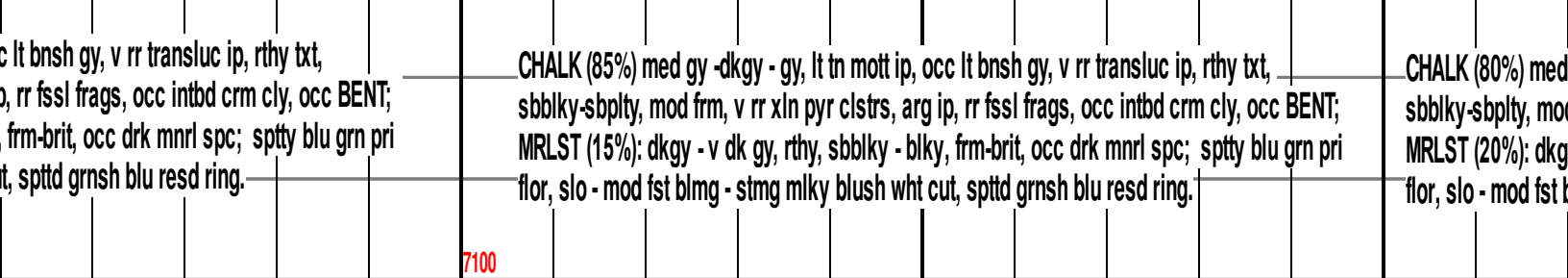
CHALK (90%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm MRLST (10%): dkgy - v dk gy, rthy, sbblky - blky, frm-brit, occ drk mnrl spc; flor, slo - mod fst blmg - stmg milky blush wht cut, spttd grnsh blu resd ring.

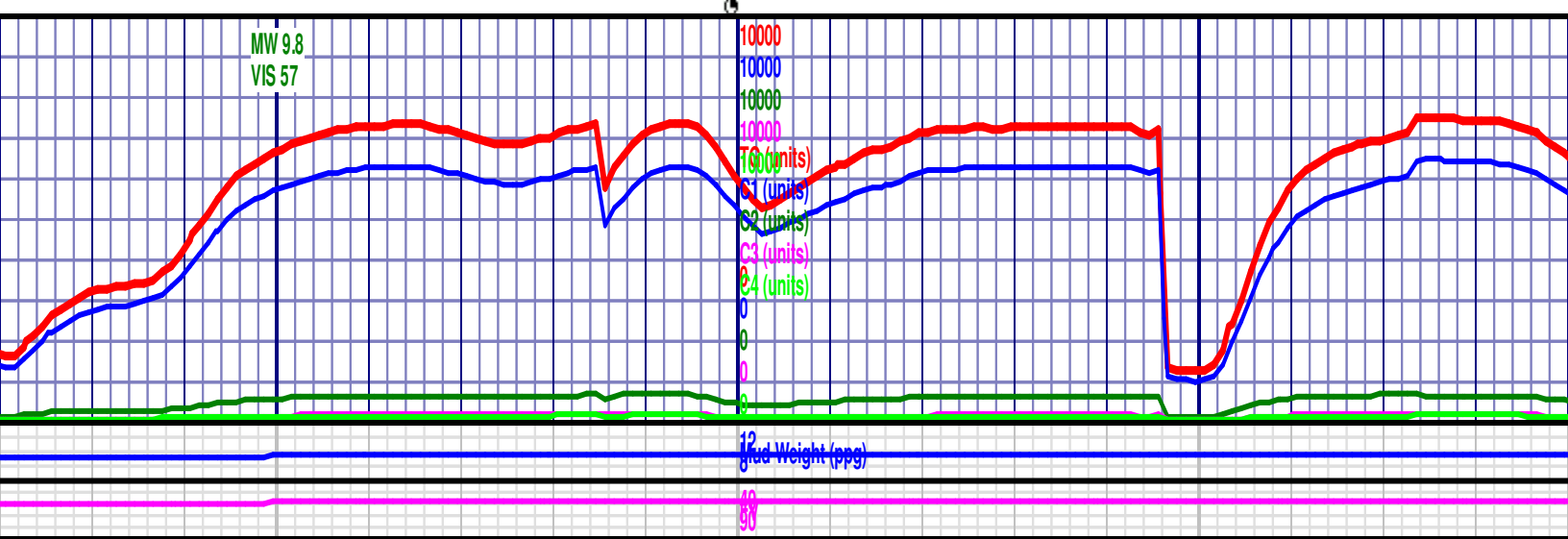
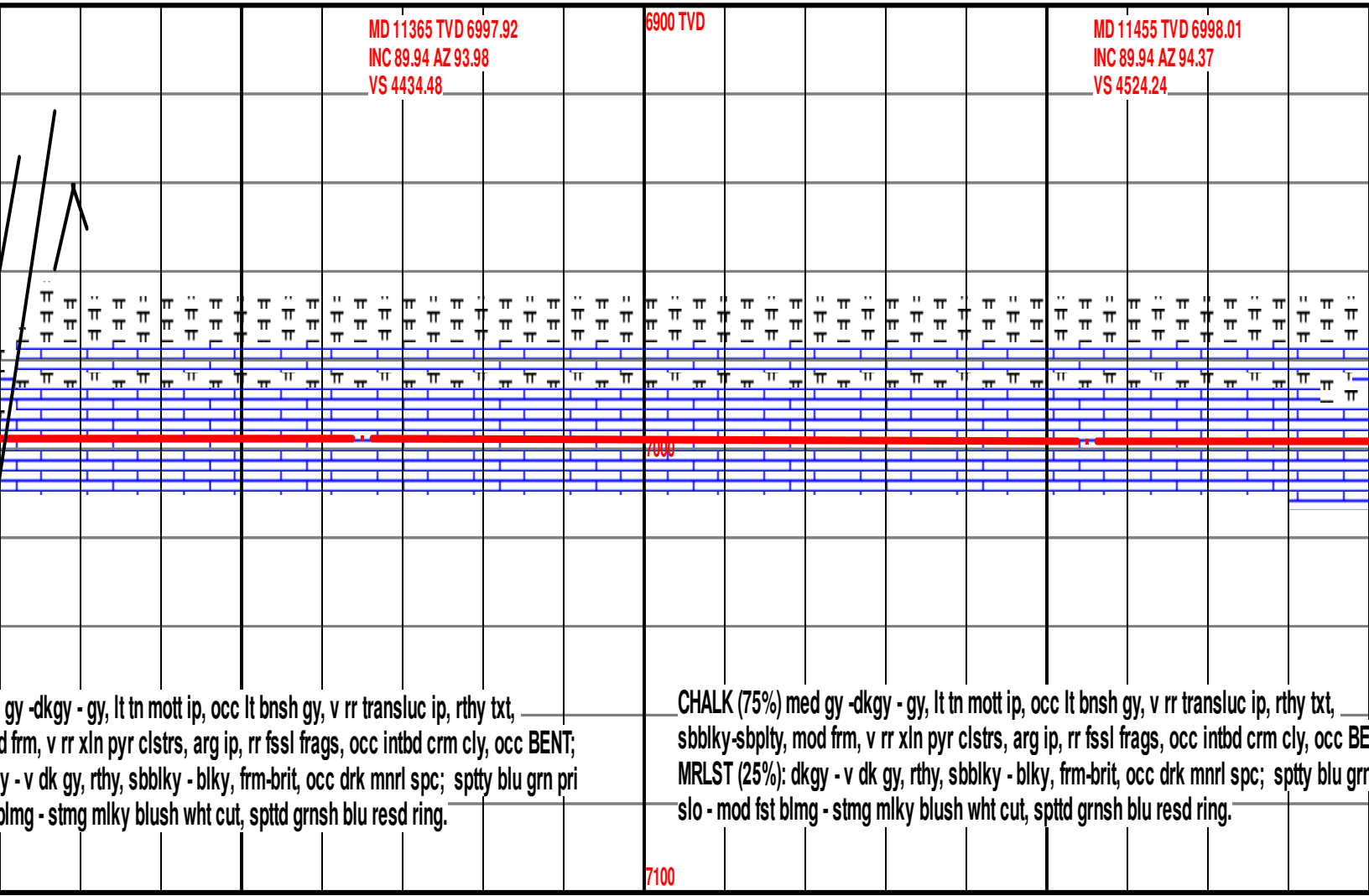
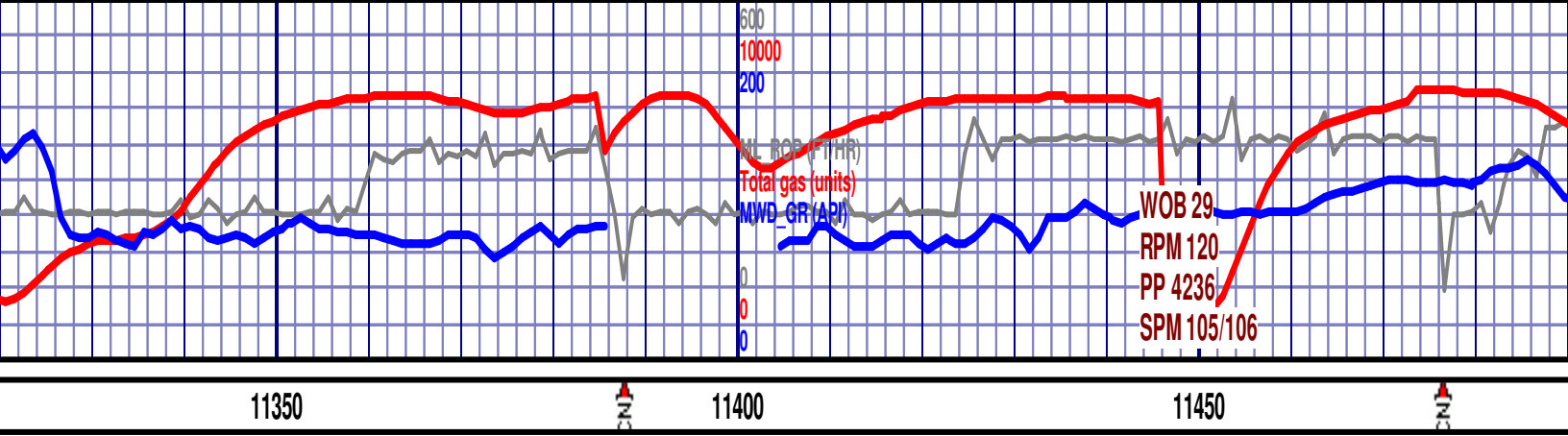


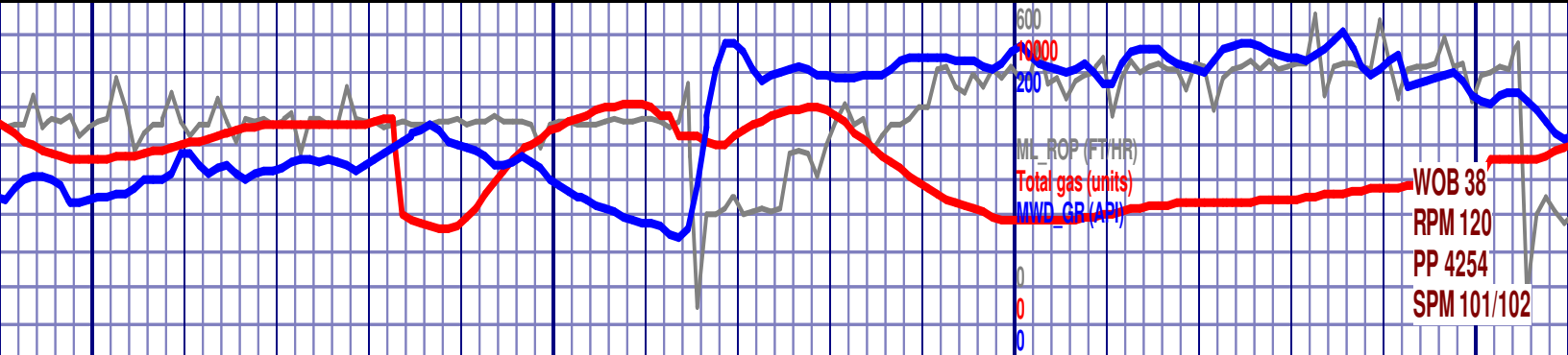




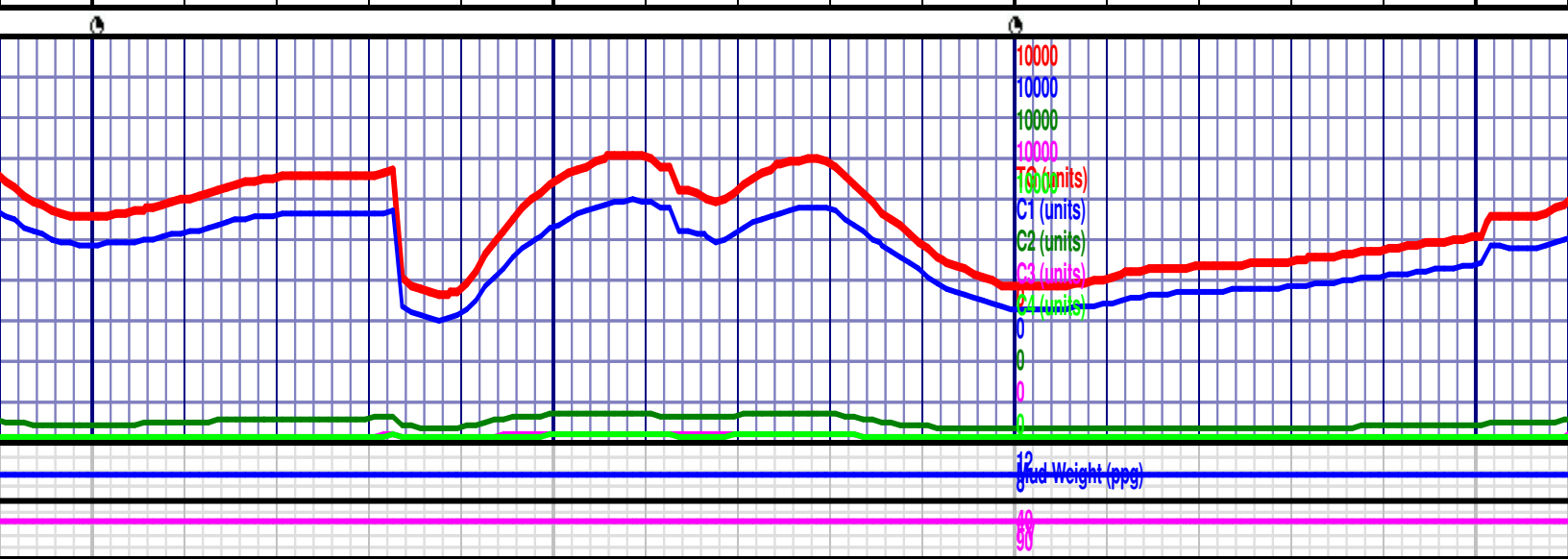
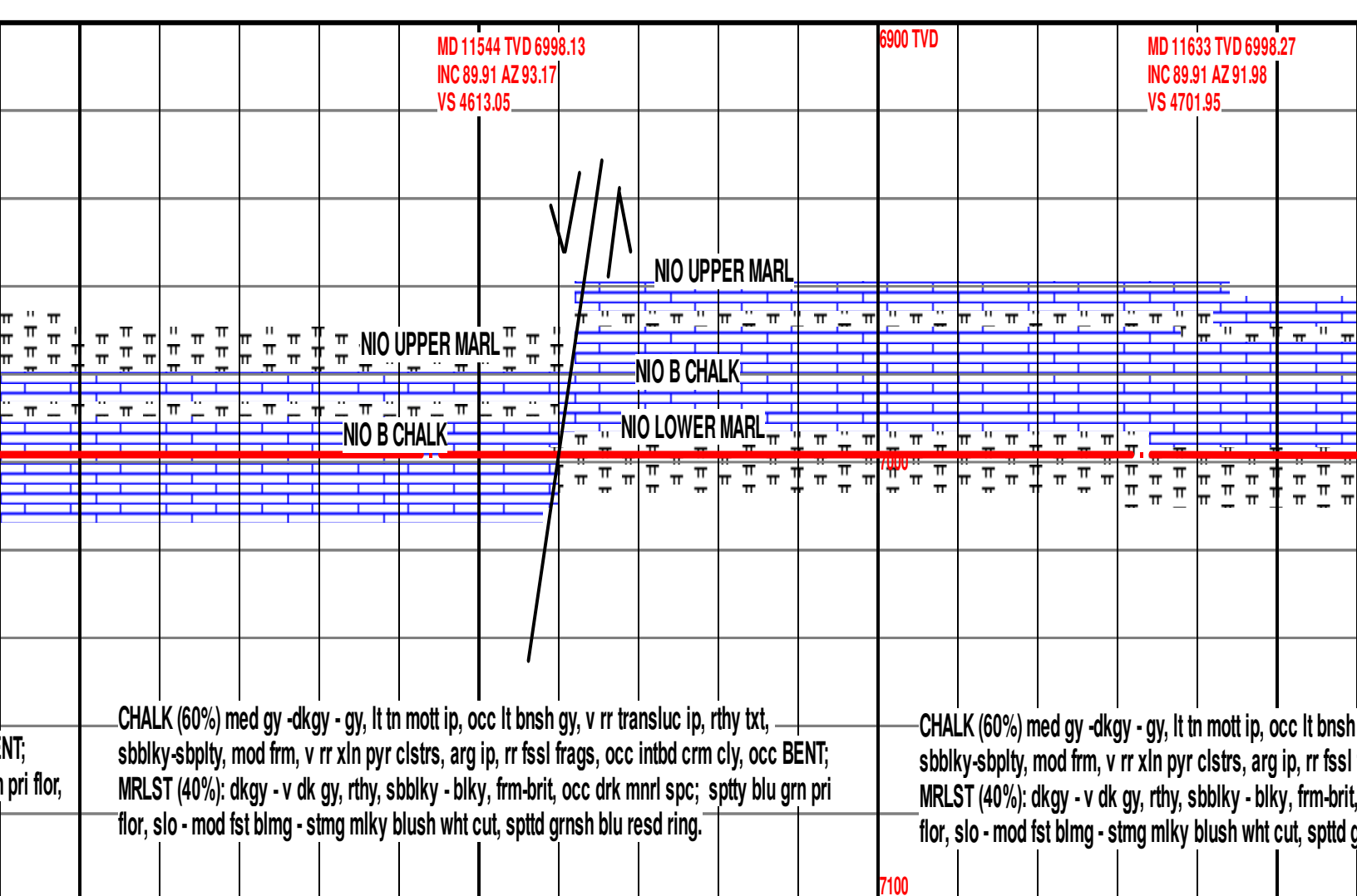
MD 11276 TVD 6997.73
INC 89.82 AZ 93.39
VS 4345.67

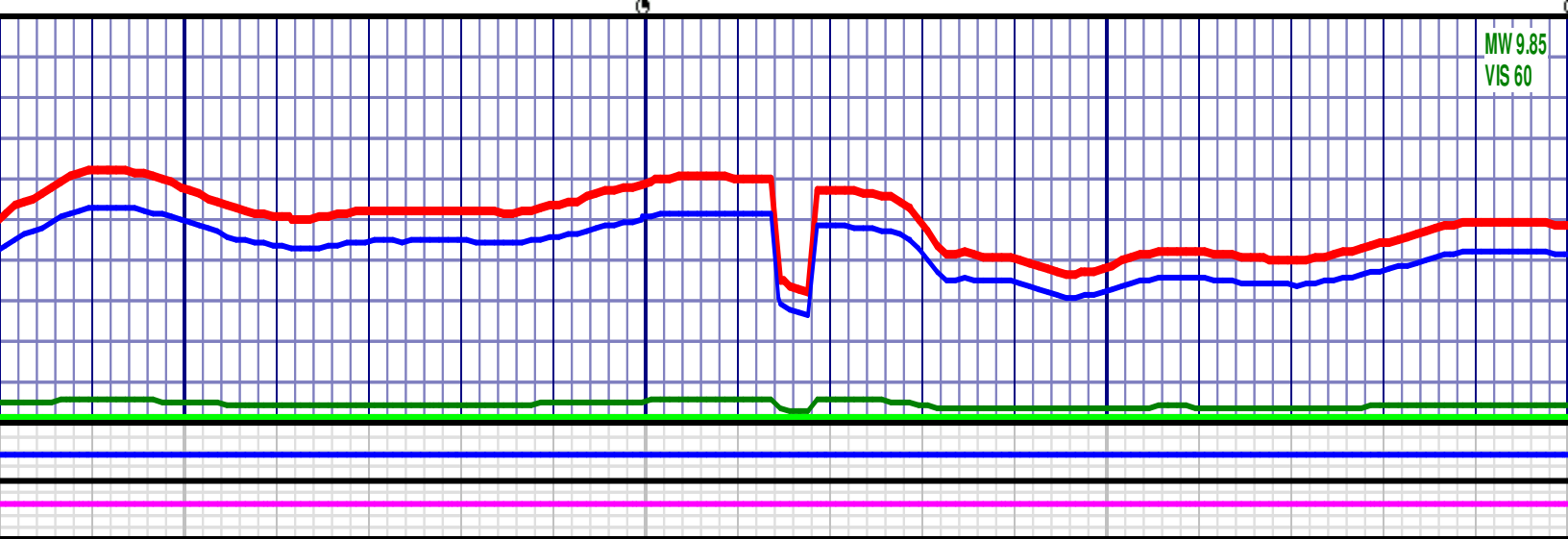
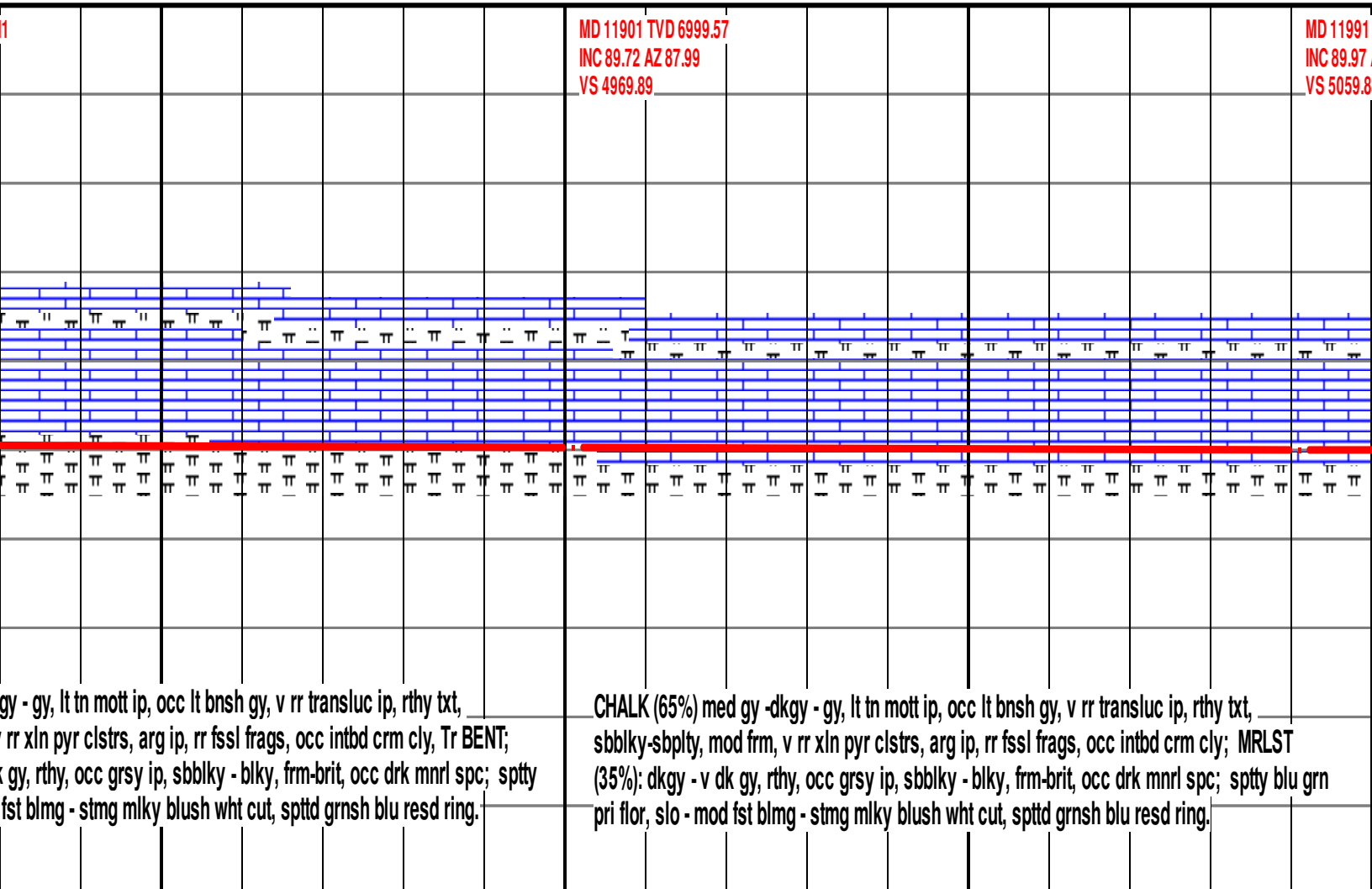
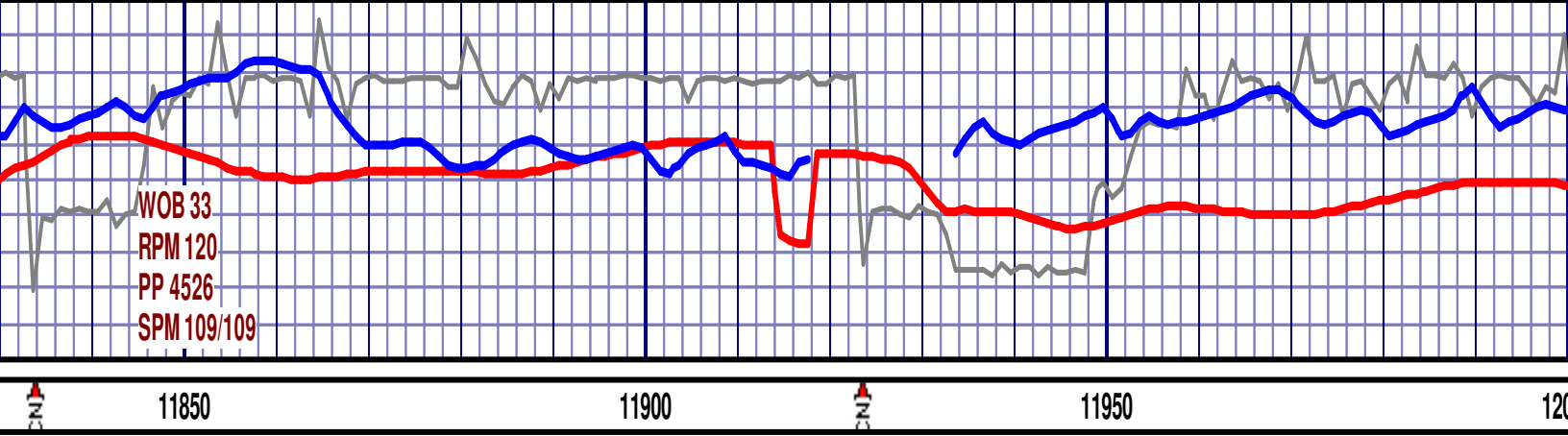


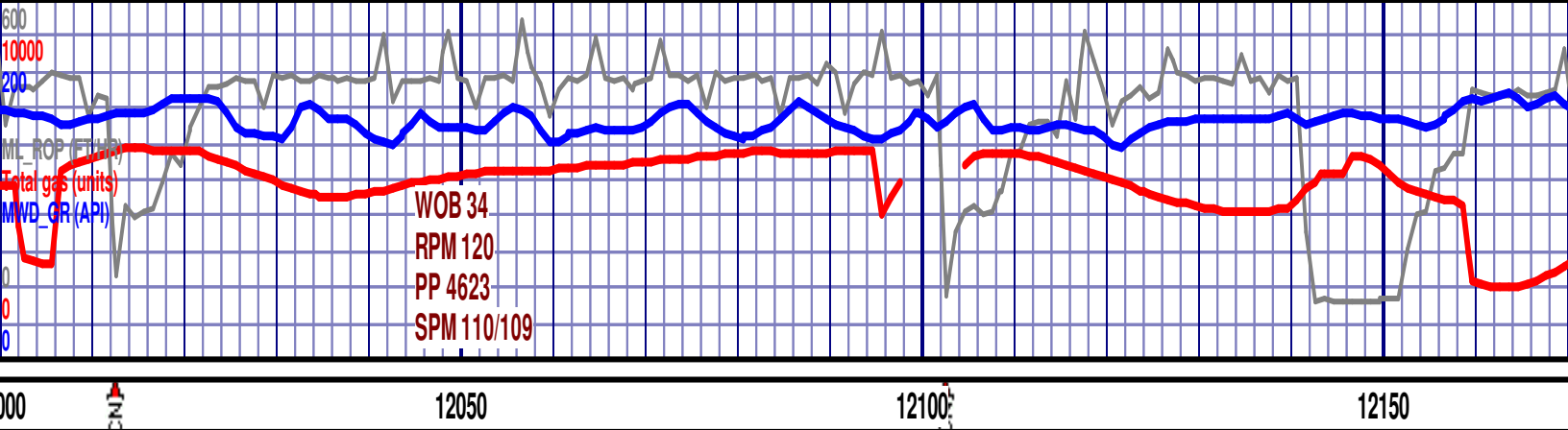




11500 11550 11600 11650

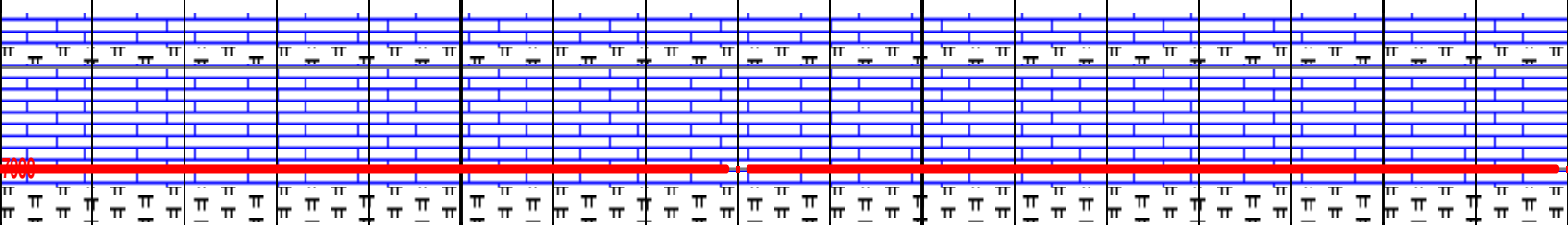






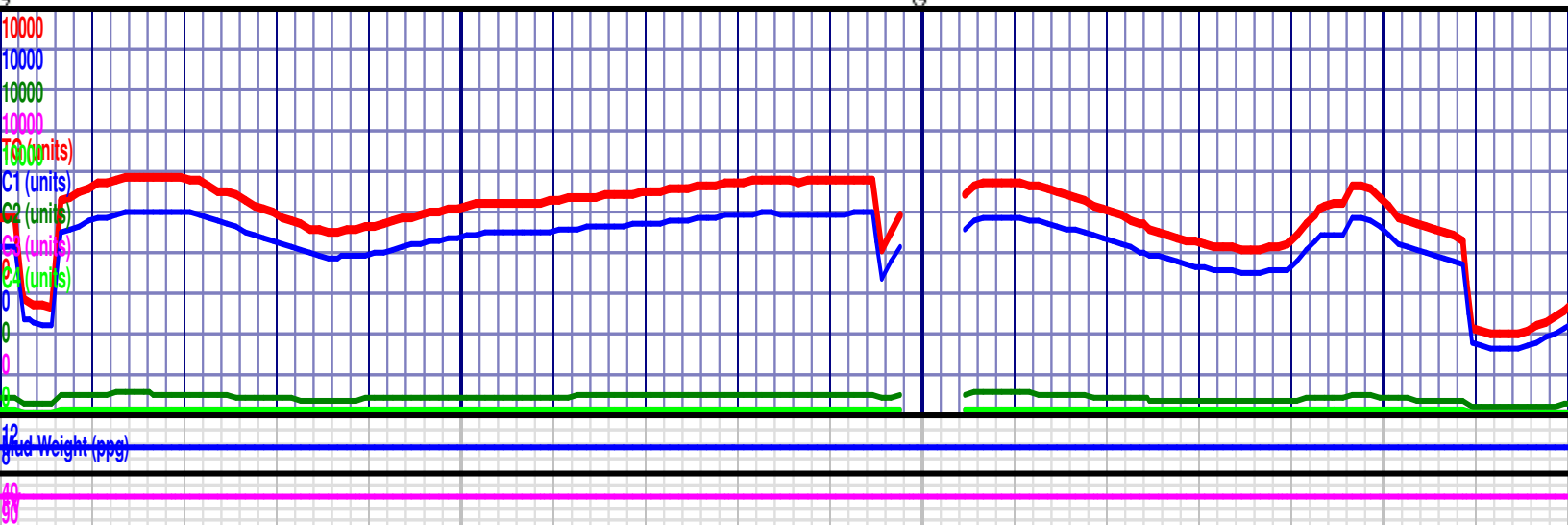
TVD 6999.82
AZ 88.61
5

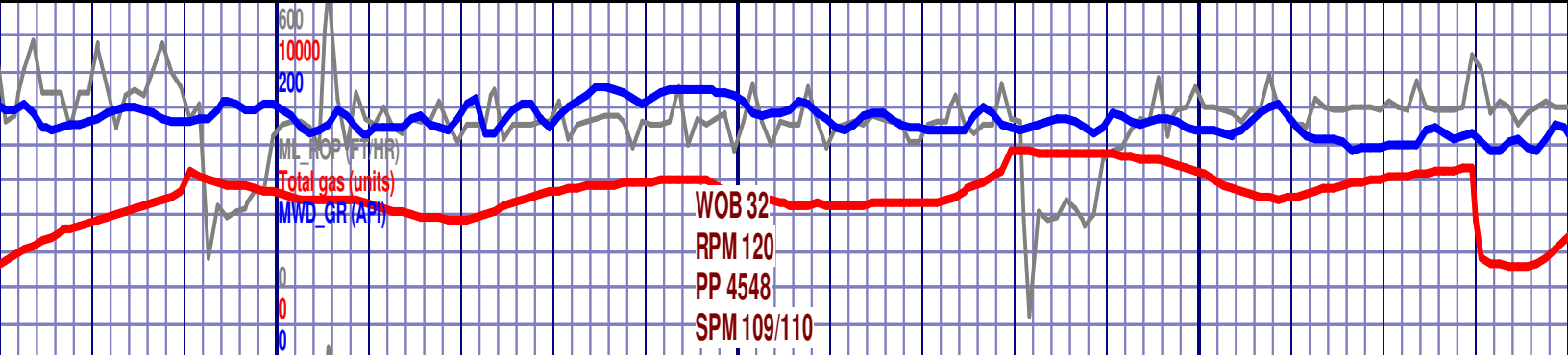
MD 12080 TVD 6999.98
INC 89.82 AZ 87.12
VS 5148.78



CHALK (65%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST (35%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-brit, occ drk mnrl spc; sppty blu grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spptd grnsh blu resd ring.

CHALK (65%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr tra sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ (35%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-brit, occ c grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spptd grns



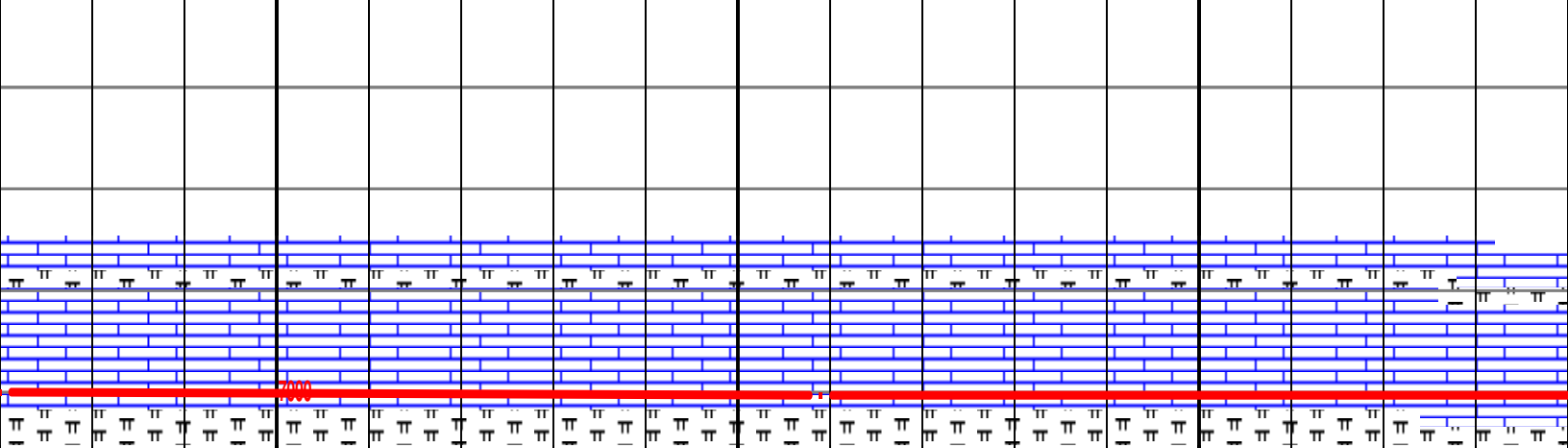


12200 12250 12300

MD 12170 TVD 7000.19
INC 89.91 AZ 85.61
VS 5238.6

6900 TVD

MD 12259 TVD 7000.4
INC 89.82 AZ 86.62
VS 5327.39

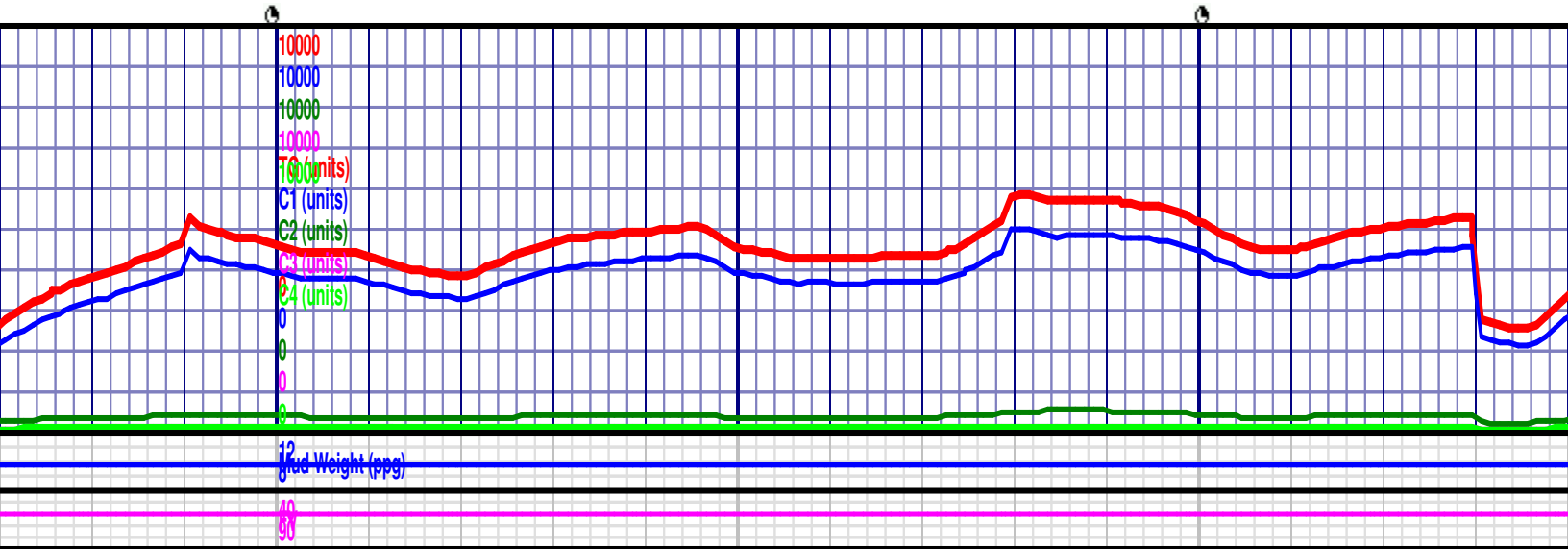


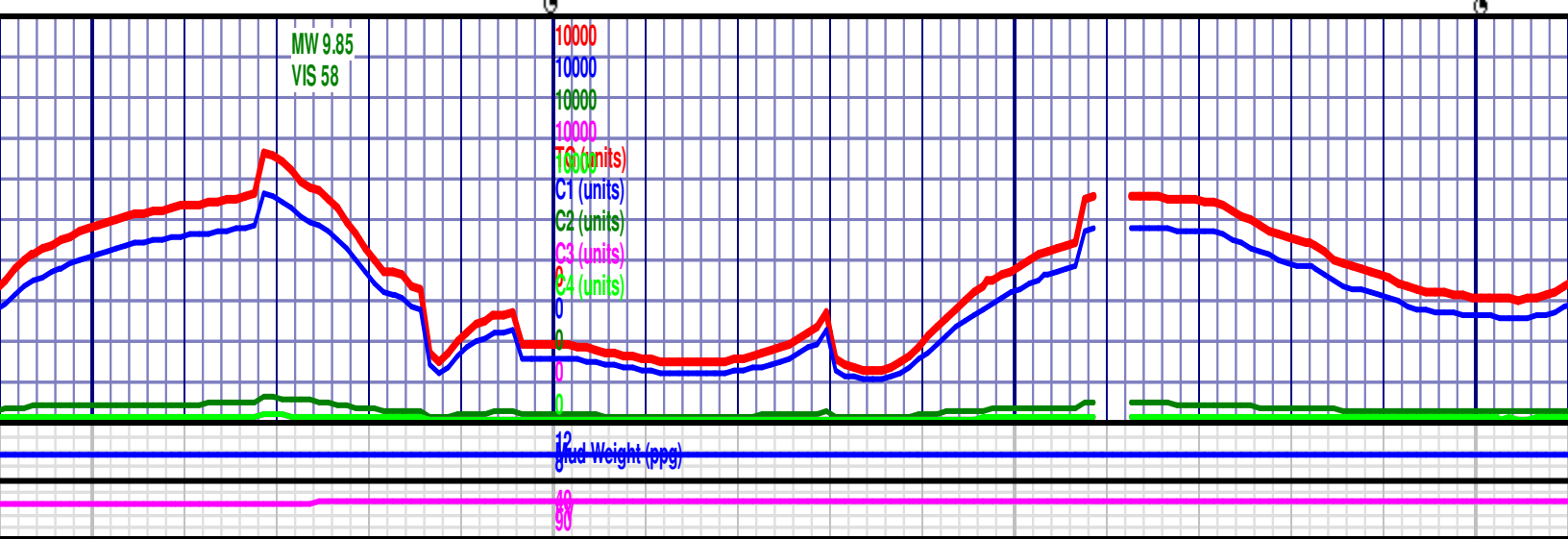
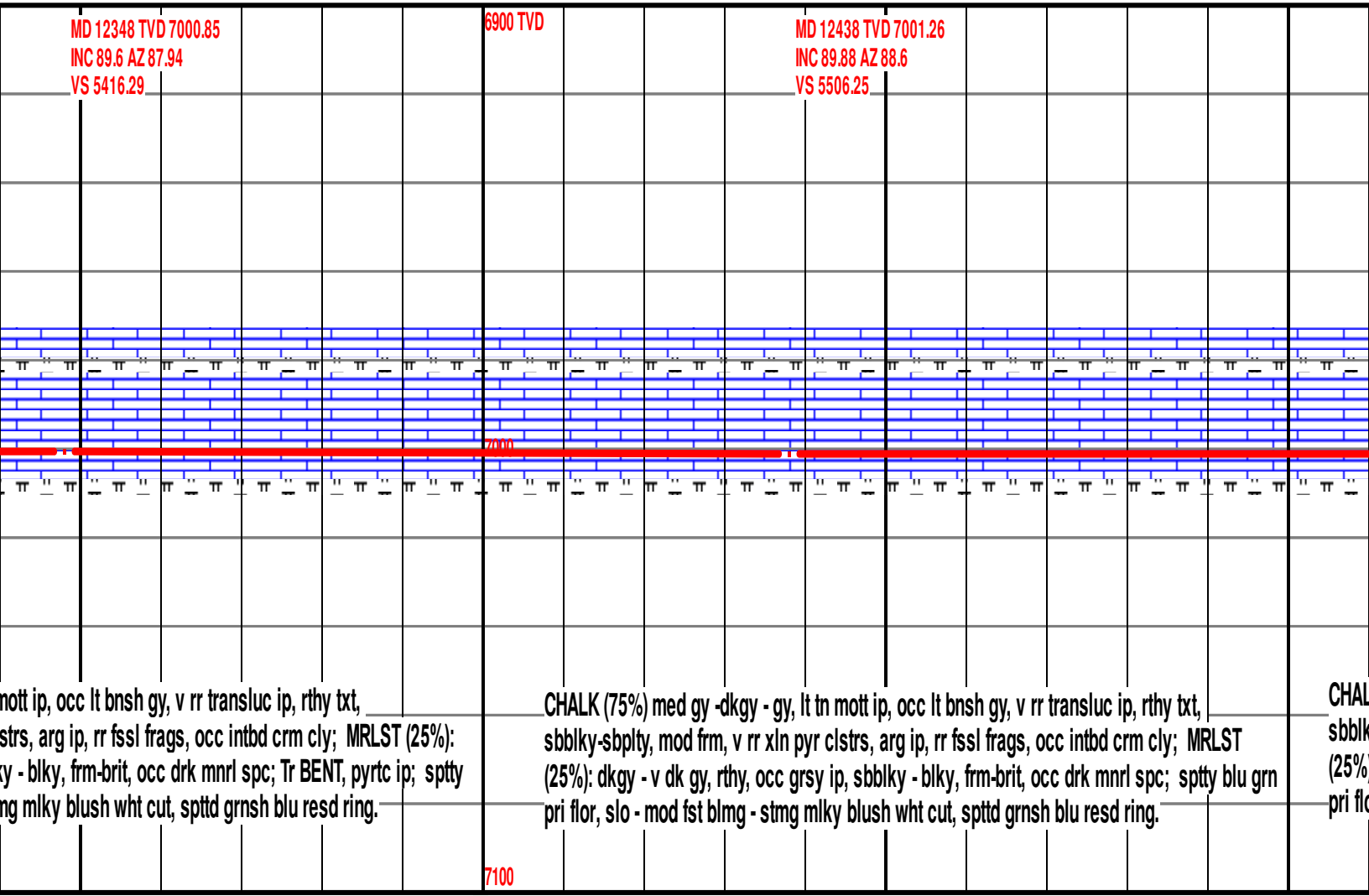
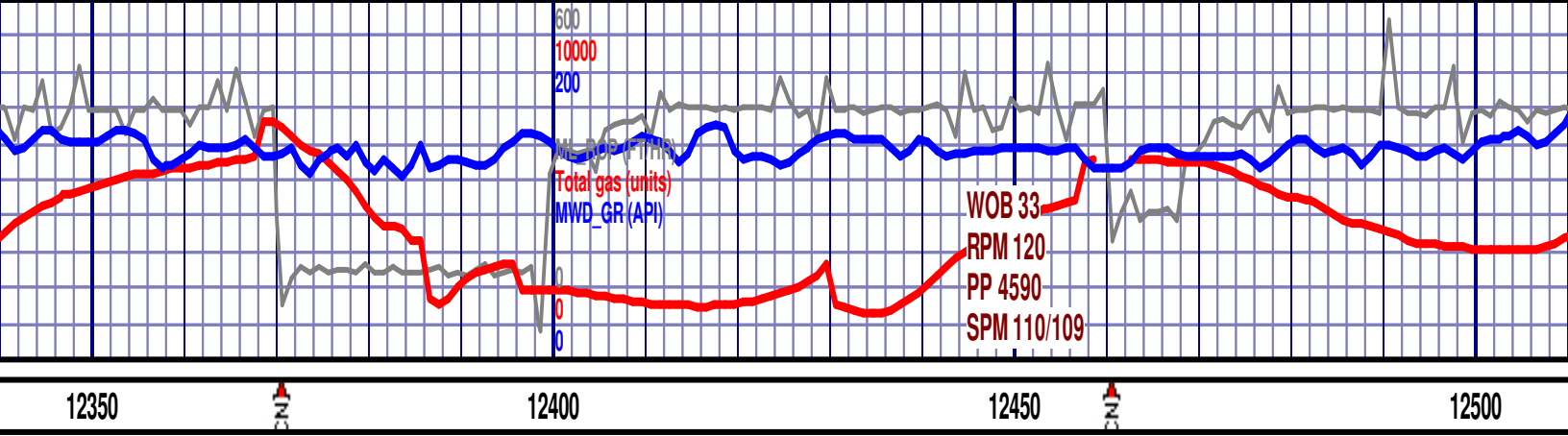
transluc ip, rthy txt,
intbd crm cly; MRLST
lrk mnrl spc; sppty blu
h blu resd ring.

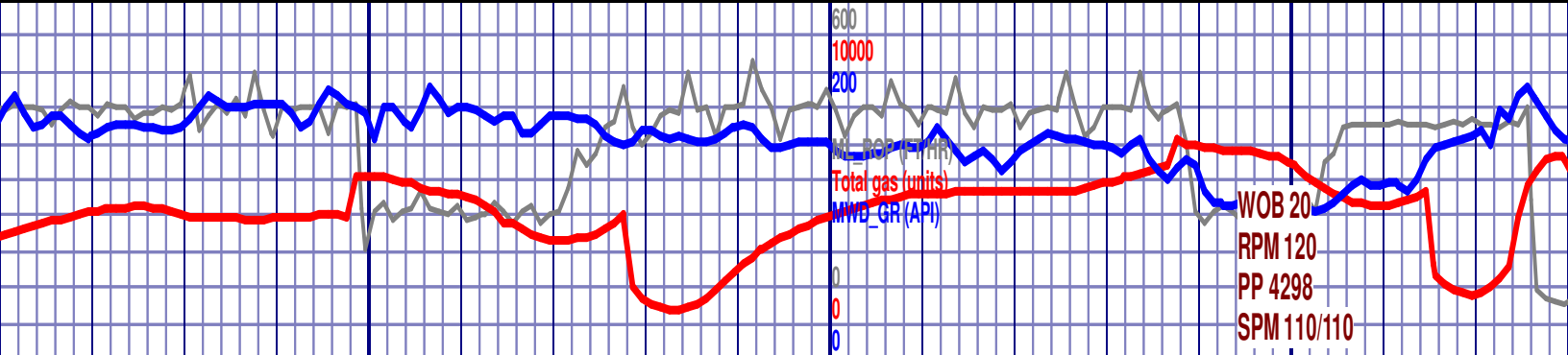
CHALK (65%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
sbbiky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST
(35%): dkgy - v dk gy, rthy, occ grsy ip, sbbiky - blkgy, frm-brit, occ drk mnrl spc; Tr BENT,
pyrtc ip; sppty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spptd grnsh blu
resd ring.

CHALK (75%) med gy -dkgy - gy, lt tn m
sbbiky-sbply, mod frm, v rr xln pyr cl
dkgy - v dk gy, rthy, occ grsy ip, sbbiky
blu grn pri flor, slo - mod fst blmg - str

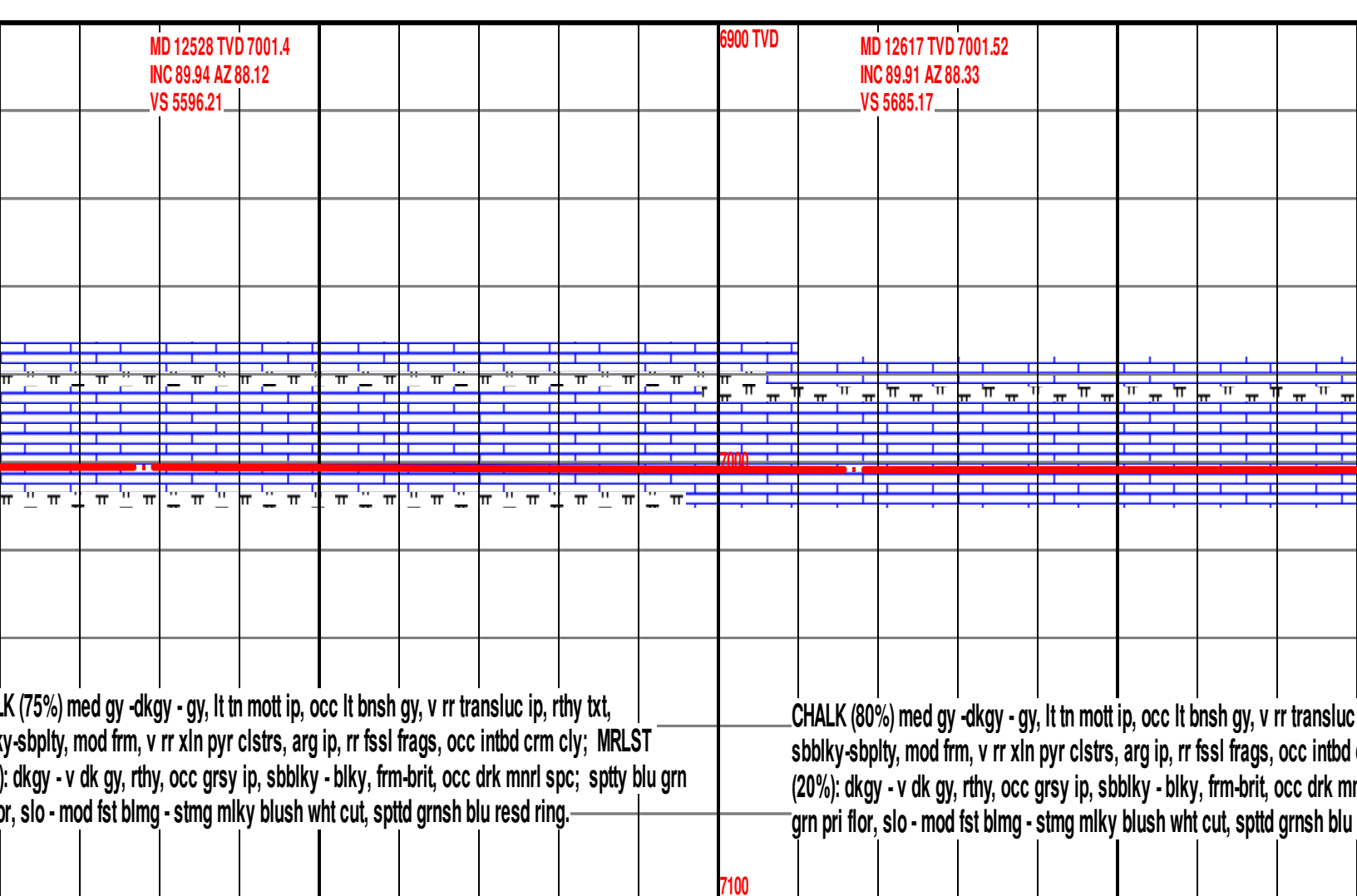
7100





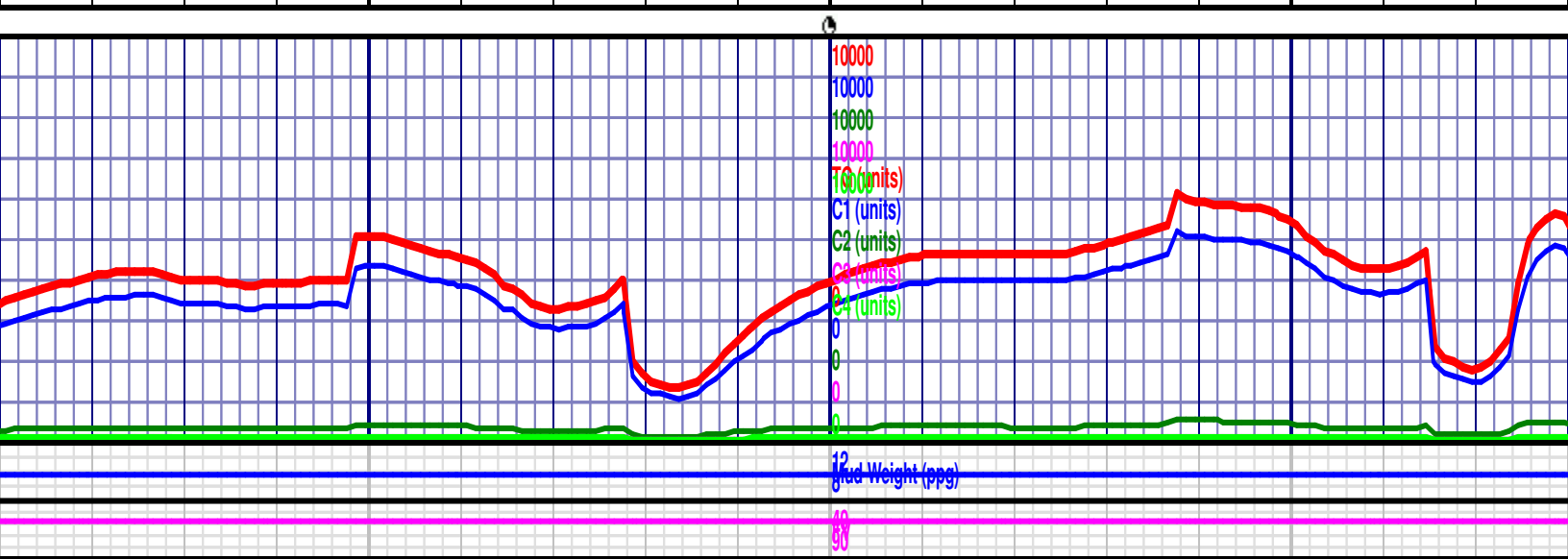


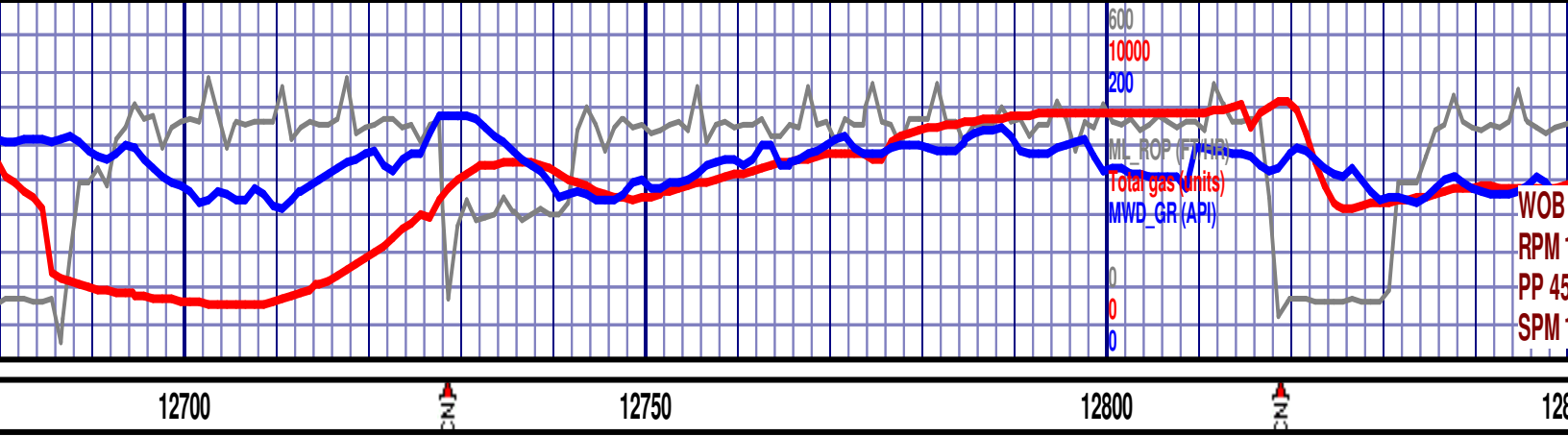
12550 12600 12650



K (75%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, gy-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST
): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; sptty blu grn
or, slo - mod fst blmg - stmg milky blush wht cut, spttd grnsh blu resd ring.

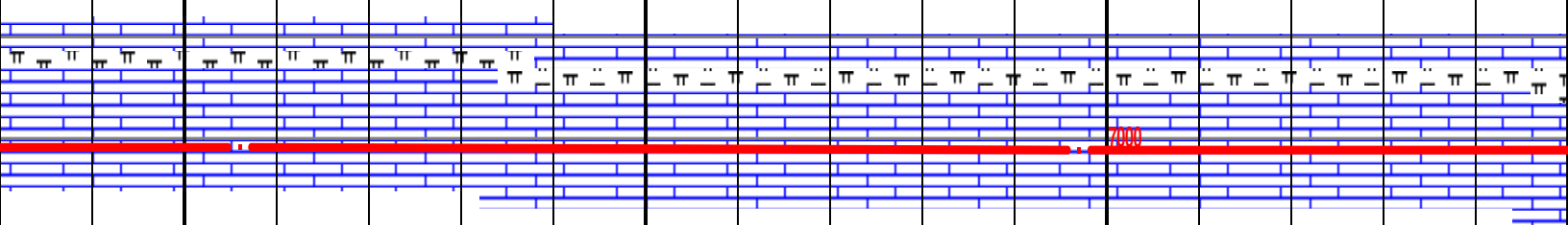
CHALK (80%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc
sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd
(20%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; sptty blu grn
grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spttd grnsh blu





MD 12706 TVD 7001.78
INC 89.75 AZ 88.05
VS 5774.12

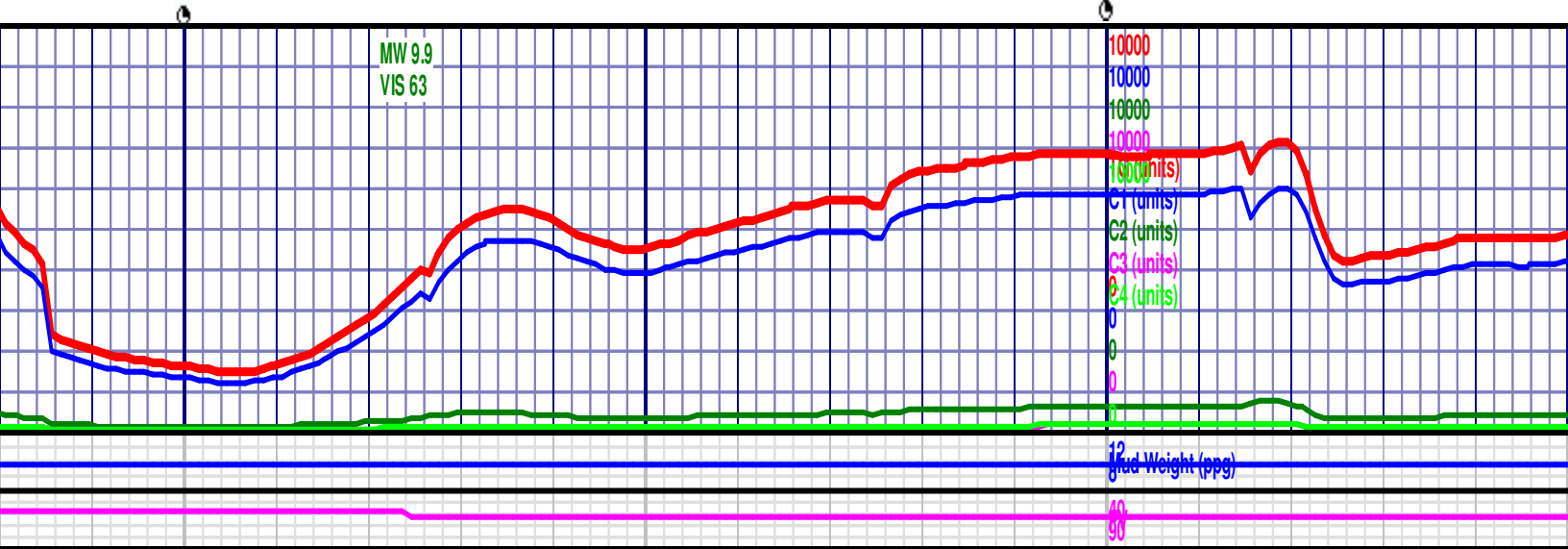
MD 12797 TVD 7002.1
INC 89.85 AZ 87.76
VS 5865.06

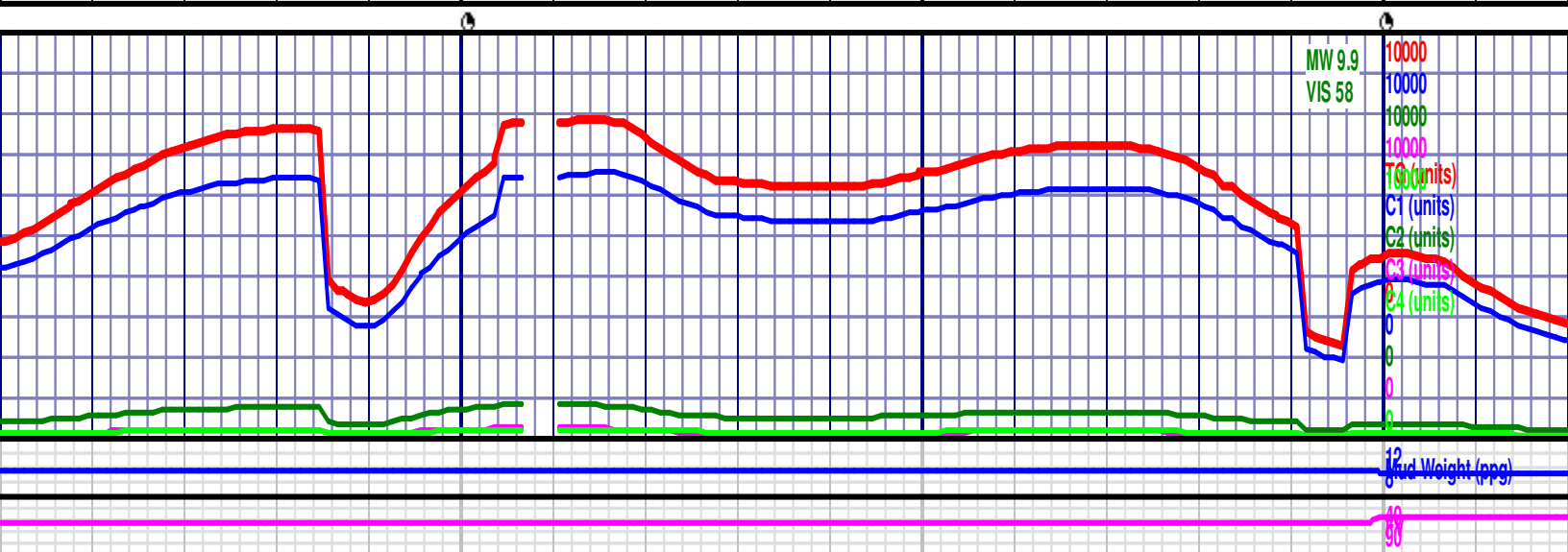
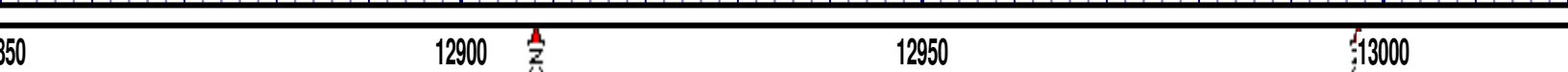


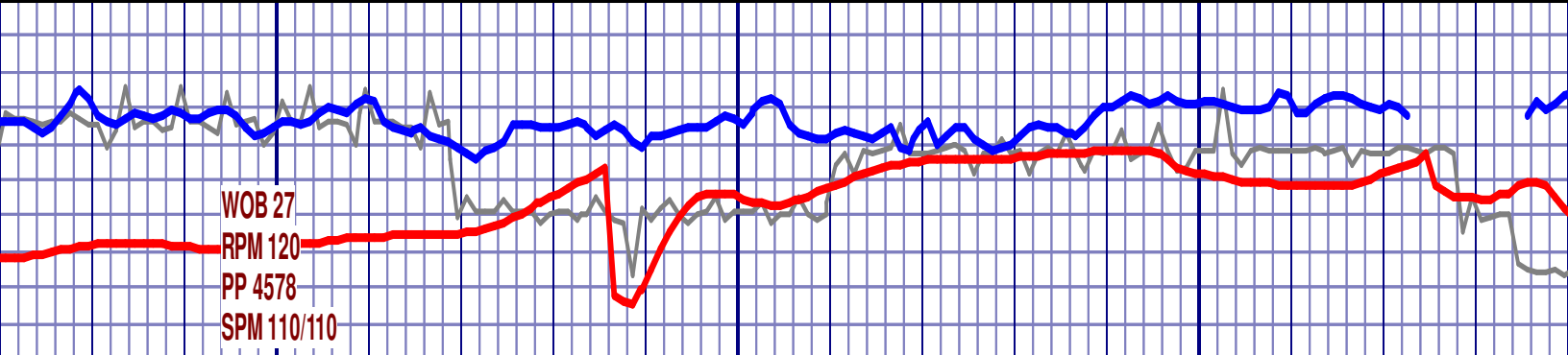
ip, rthy txt, crm cly; MRLST (15%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blk, frm-brit, occ drk mnrl spc; spty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

CHALK (85%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly,abndt xln cal & arog (poss frac fil); MRLST (15%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blk, frm-brit, occ drk mnrl spc; spty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

CHALK (85%) med gy -dkgy - gy, lt tn mott ip, sbblky-sbply, mod frm, v rr xln pyr clstrs, a cal & arog (poss frac fil); MRLST (15%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blk, frm-brit, occ drk mnrl spc; spty blu grn pri cut, spttd grnsh blu resd ring.







13050



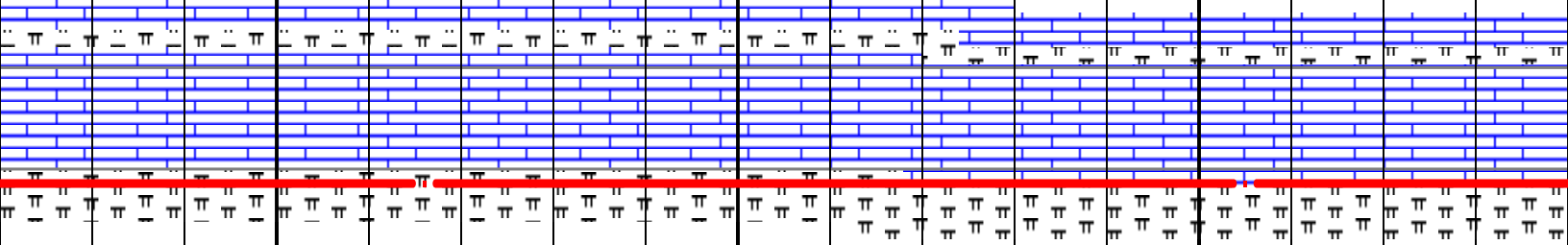
13100

13150



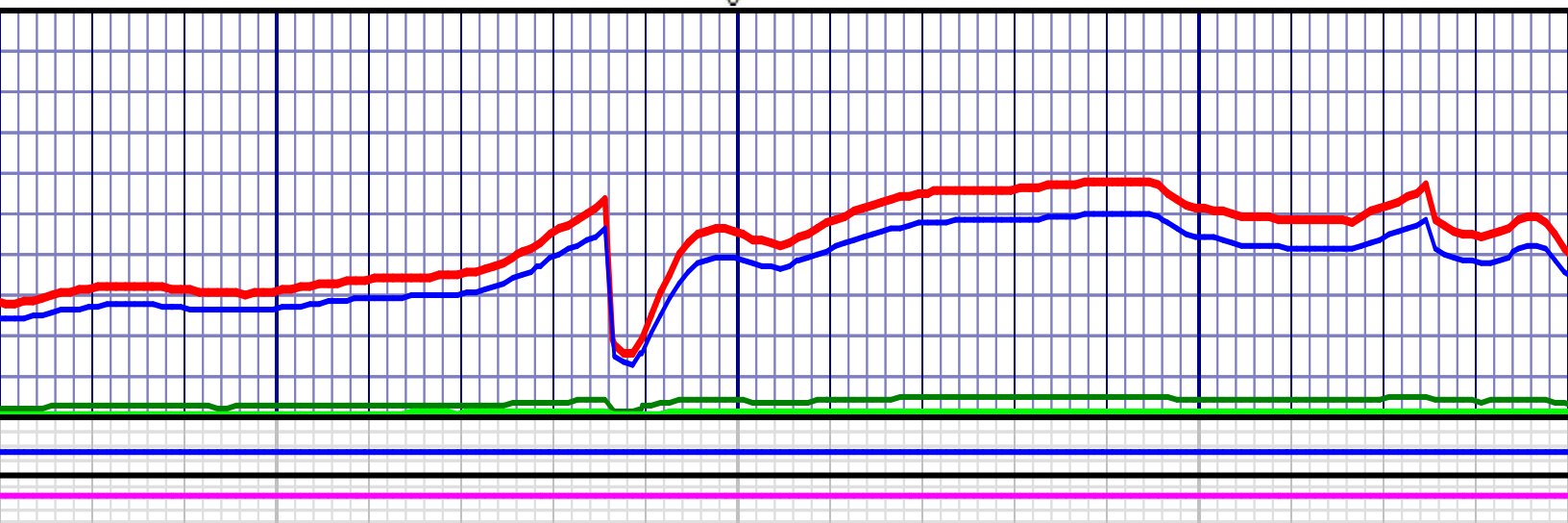
MD 13066 TVD 7002.75
INC 89.82 AZ 89.74
VS 6134

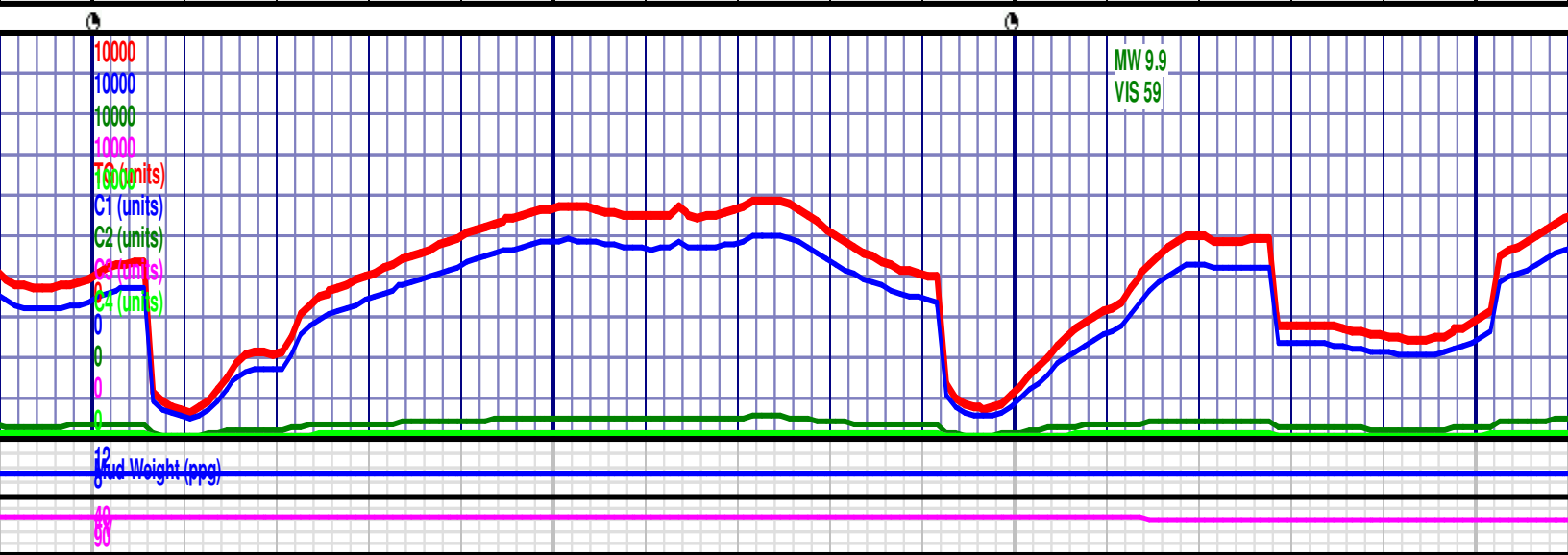
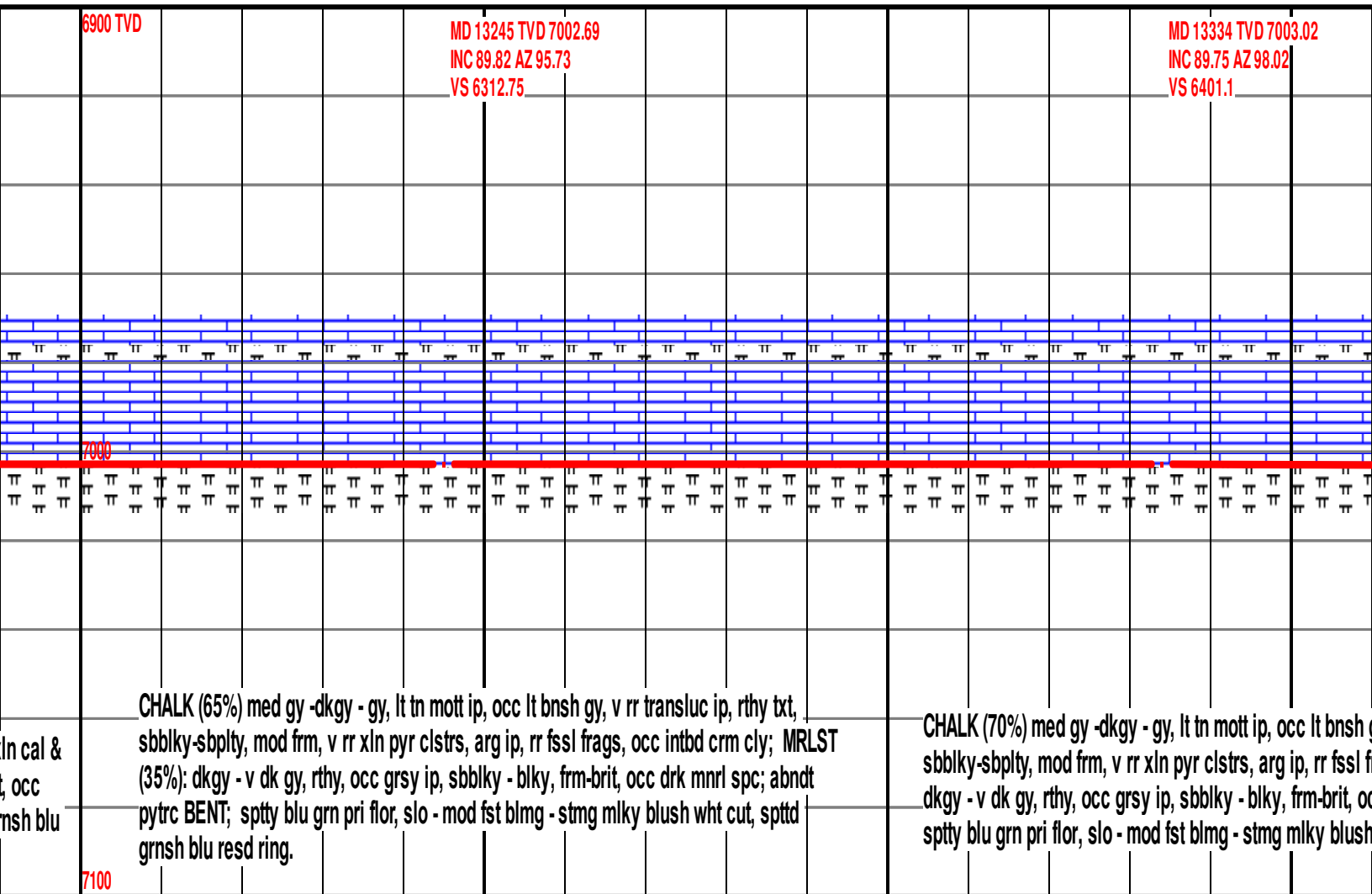
MD 13155 TVD 7002.72
INC 90.22 AZ 92.24
VS 6222.98

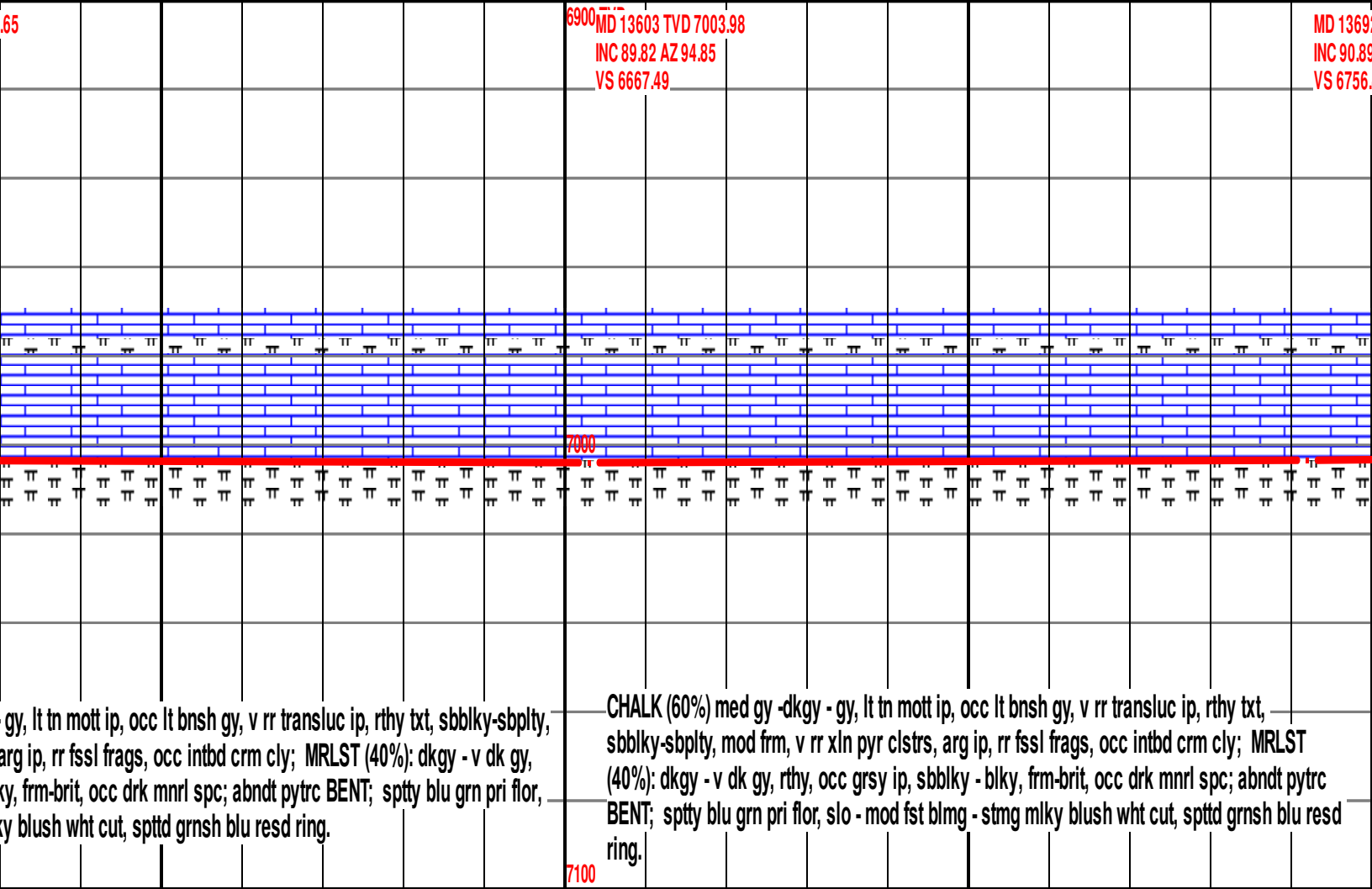


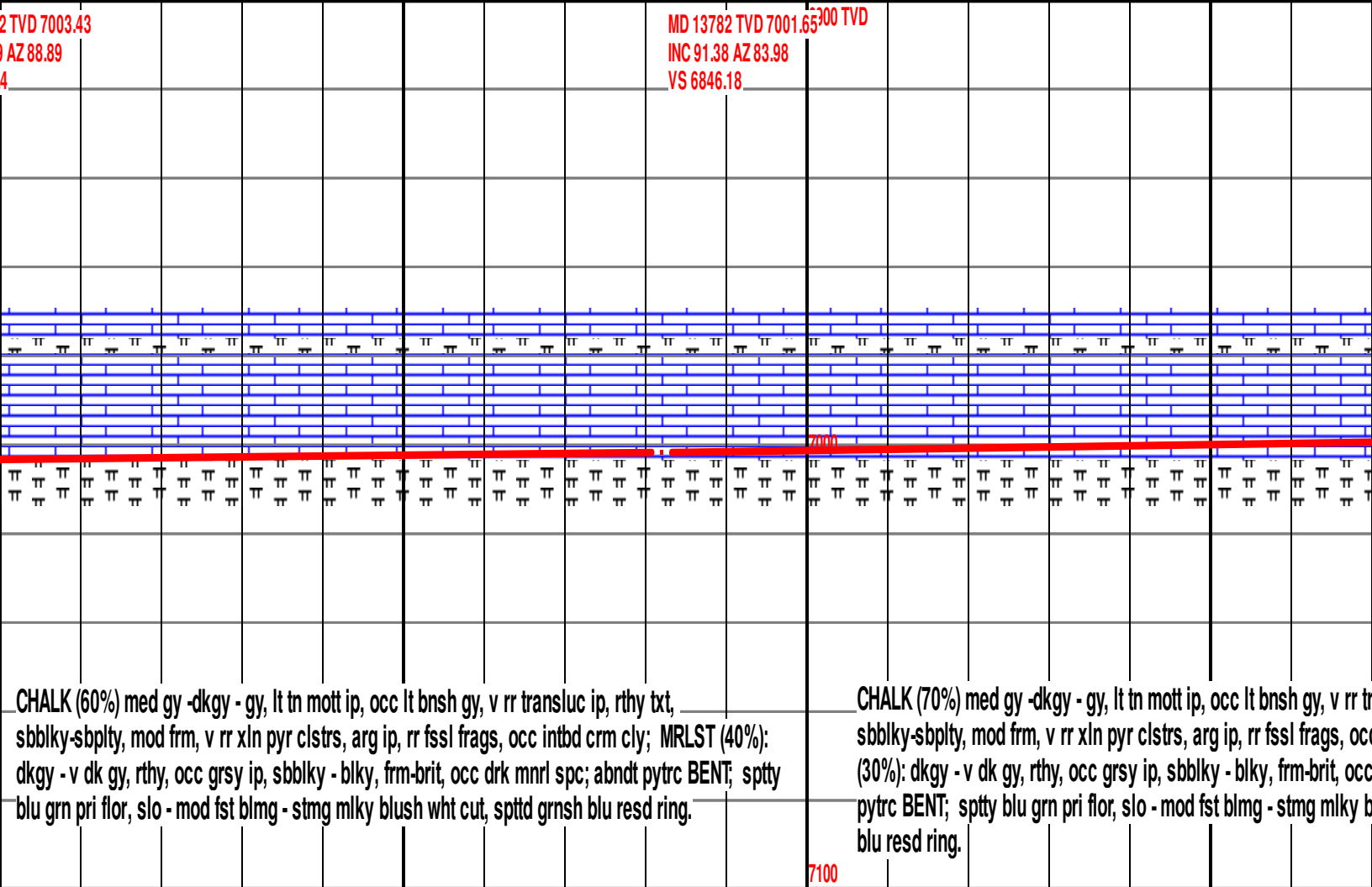
med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, abndt xln
s frac fil); MRLST (40%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly,
k mnrl spc; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht
blu resd ring.

CHALK (65%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly, abndt x
arog (poss frac fil); MRLST (35%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-br
drk mnrl spc; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd gr
resd ring.





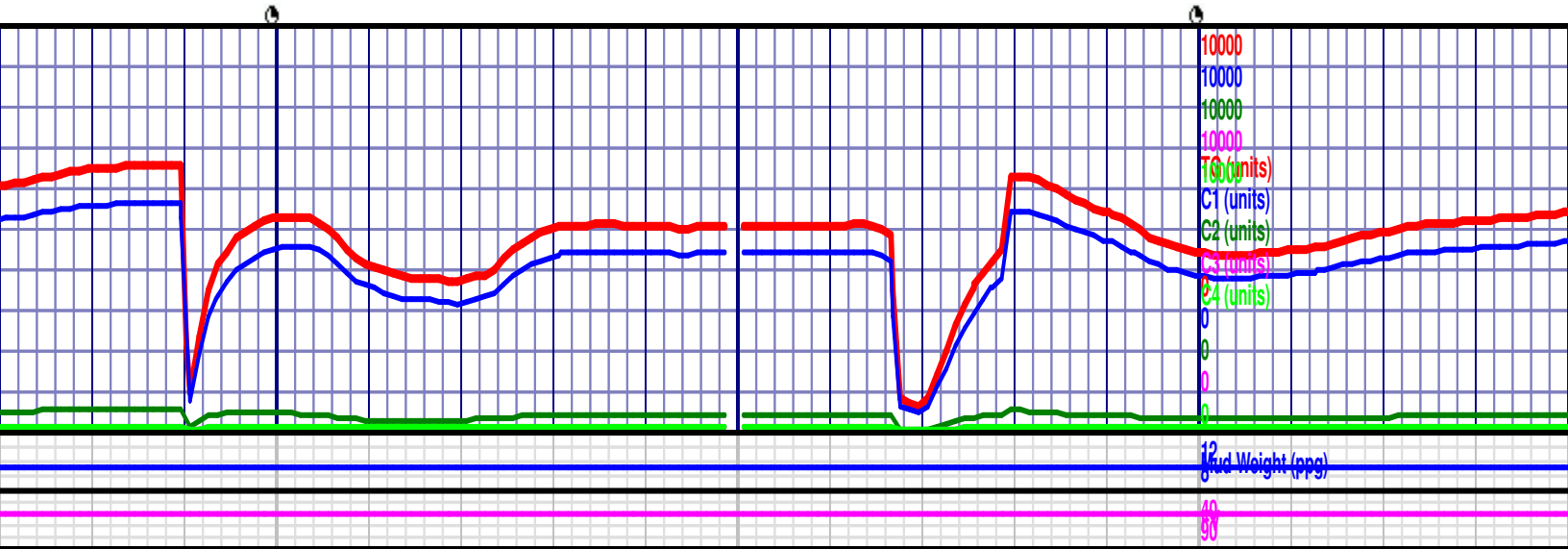






CHALK (70%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST (30%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; TR pytrc BENT; sppty blu grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spptd grnsh blu resd ring.

CHALK (70%) med gy -dkgy - gy,
sbbly-sbply, mod frm, v rr xln p
(30%): dkgy - v dk gy, rthy, occ g
BENT; spty blu grn pri flor, slo -
resd ring.

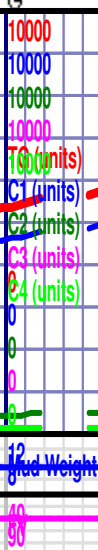


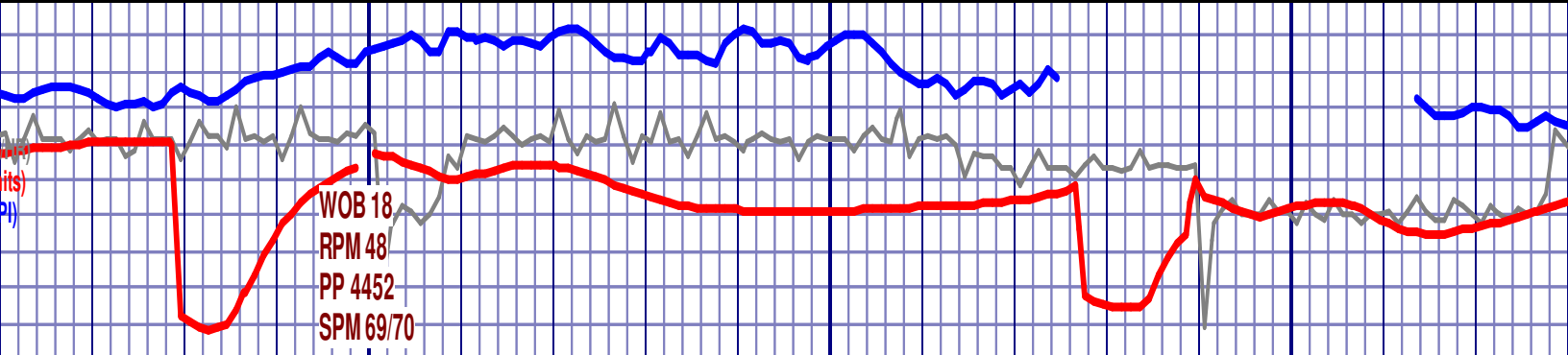


6900 TVD



CHALK
sbblky-
(40%): c
BENT;
read rin





14250

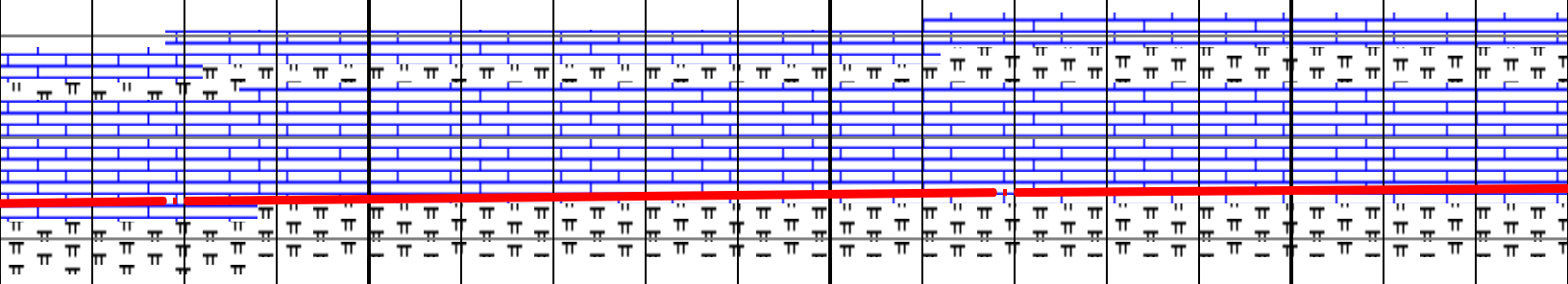
14300



14350

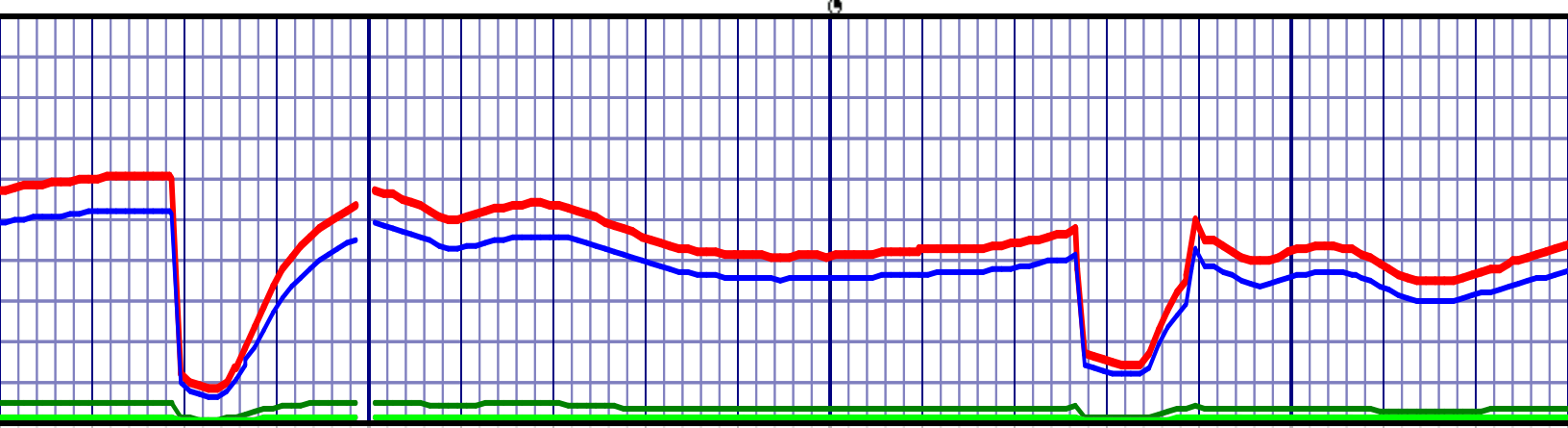
MD 14229 TVD 6992.84
INC 91.23 AZ 89.09
VS 7290.77

MD 14319 TVD 6991.07
INC 91.02 AZ 88.97
VS 7380.74

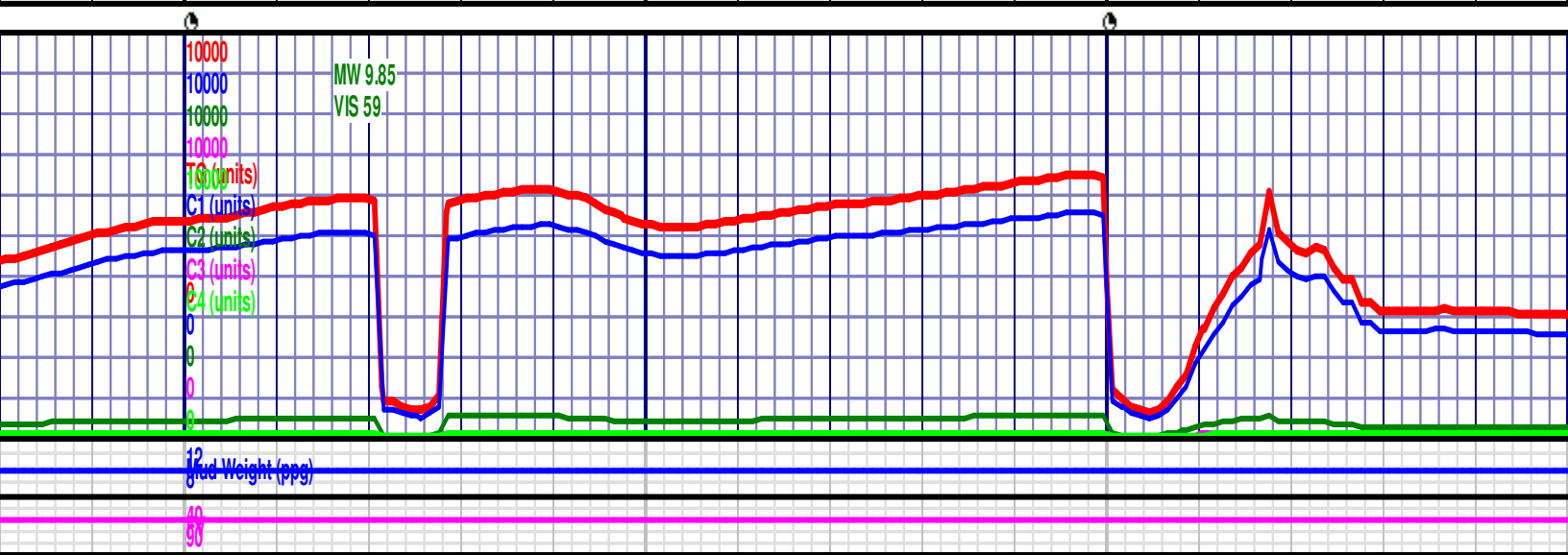
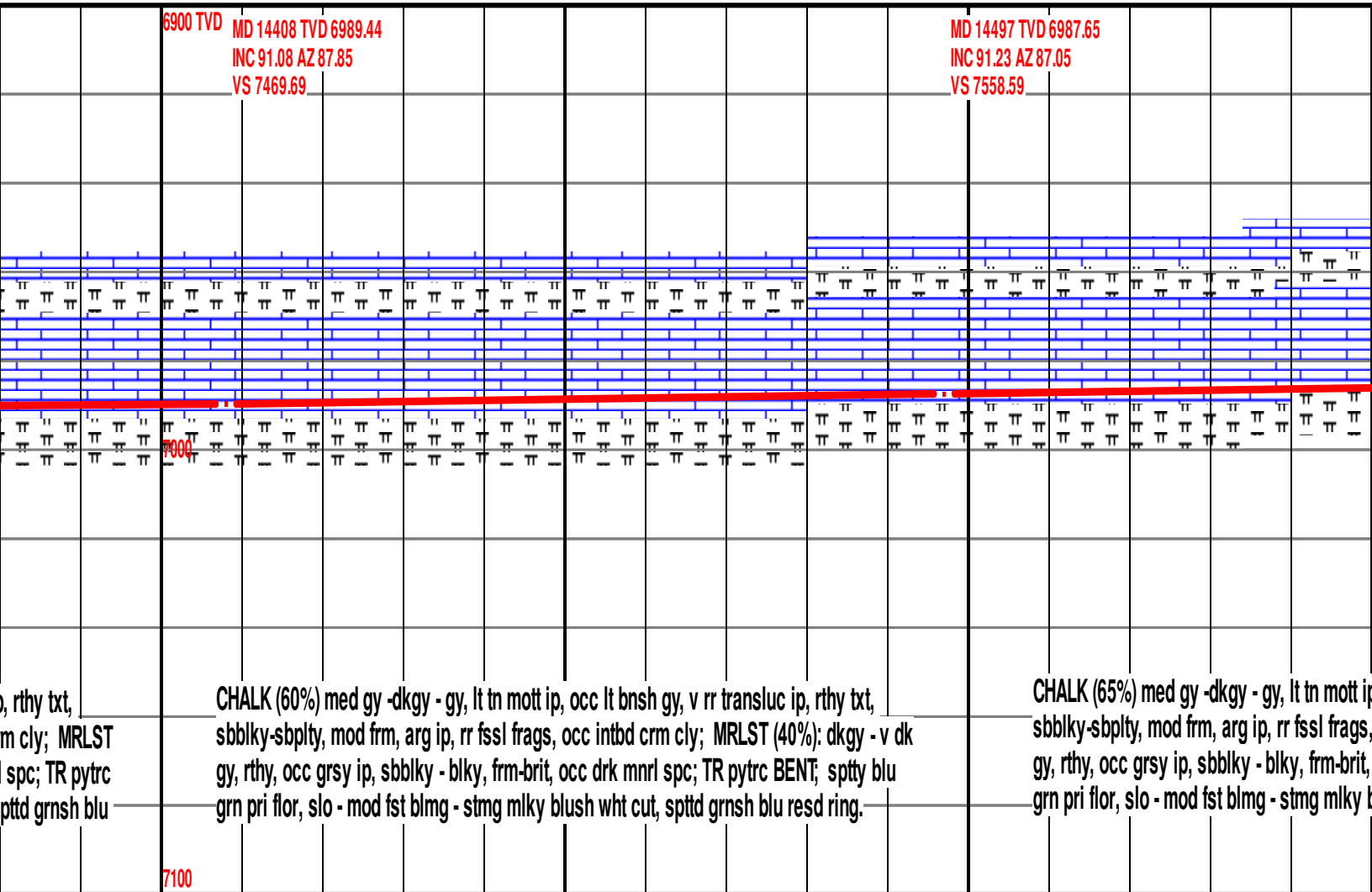


(60%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; TR pytrc sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu ng.

CHALK (70%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd cr (30%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl BENT; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, s resd ring.

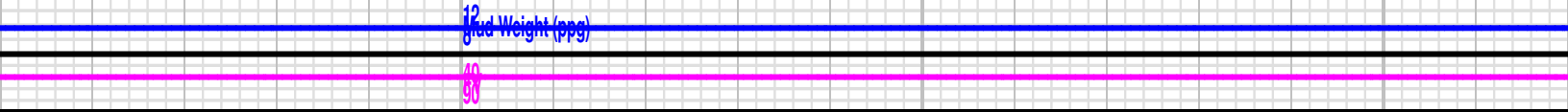
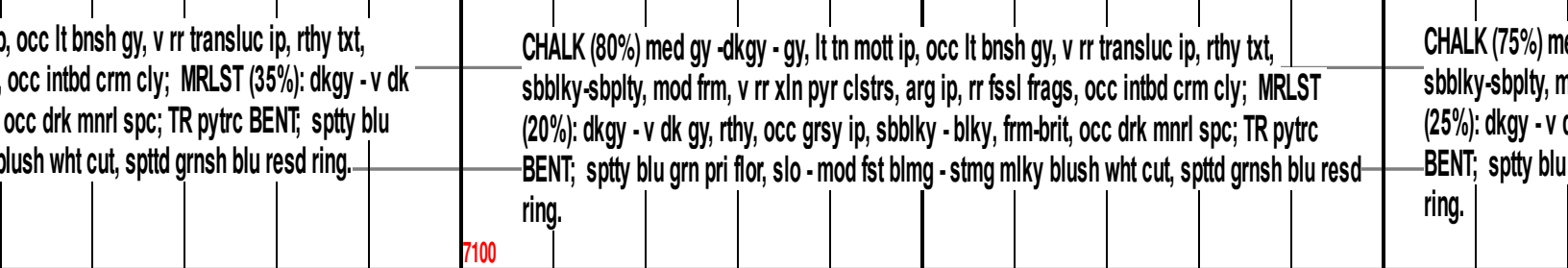


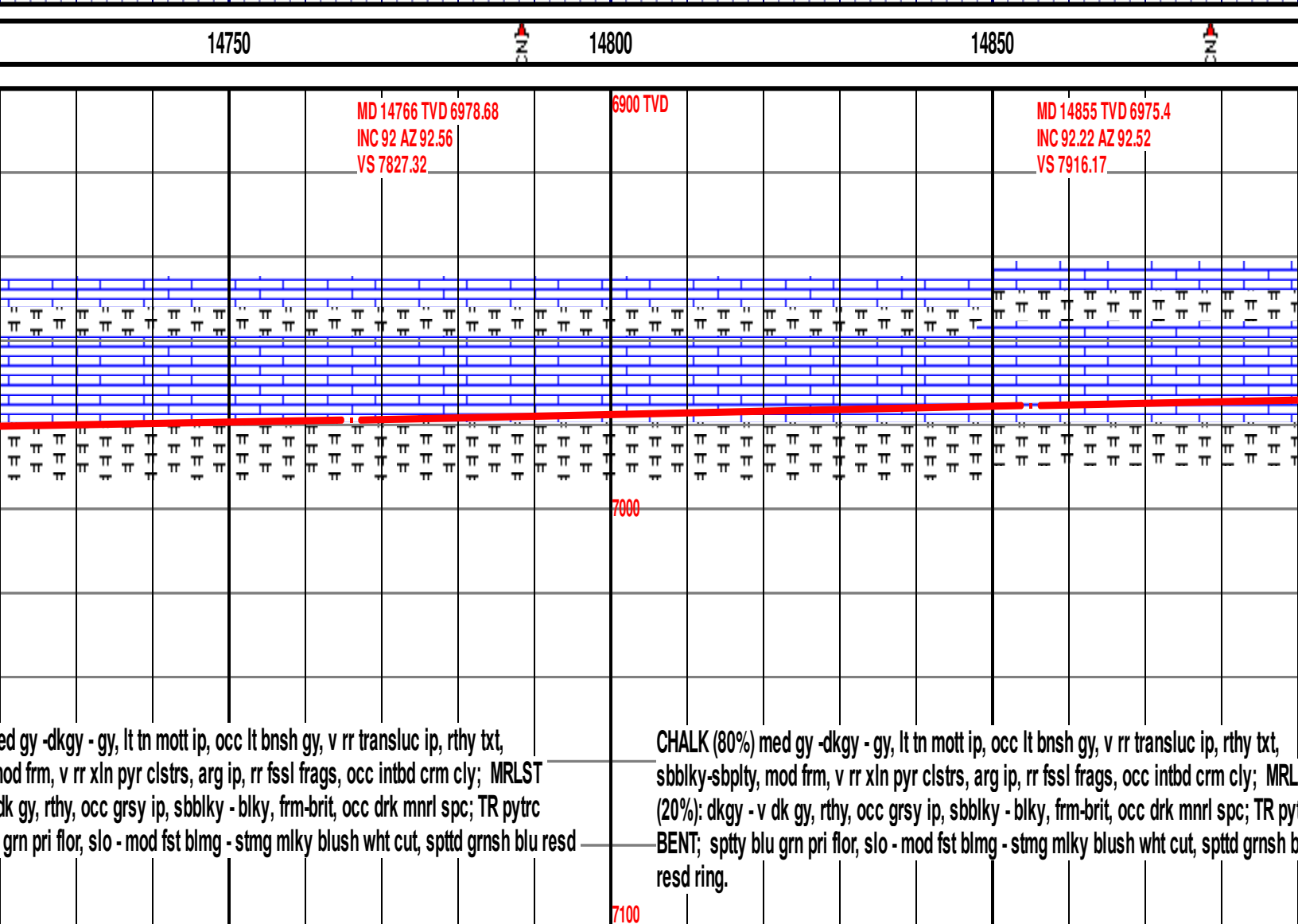
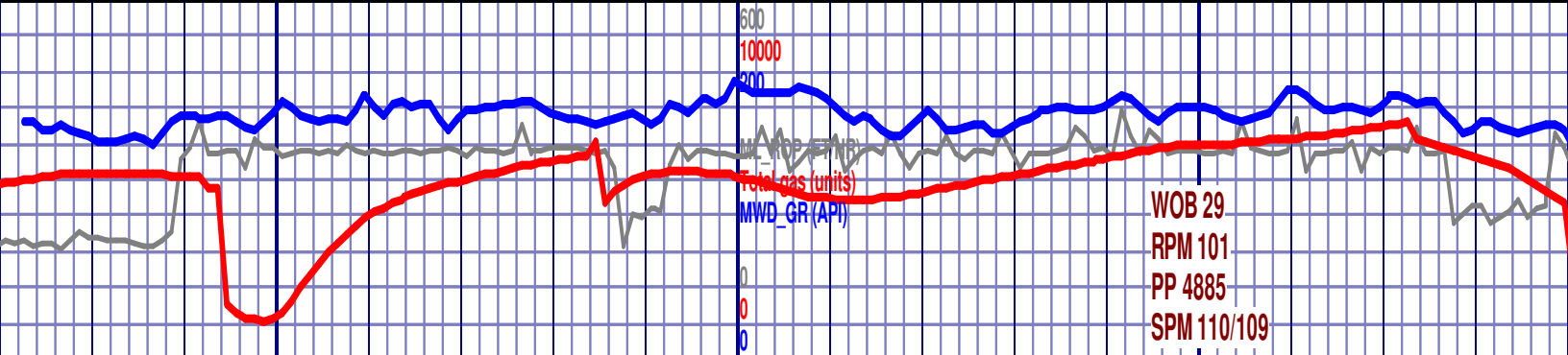
(ppg)





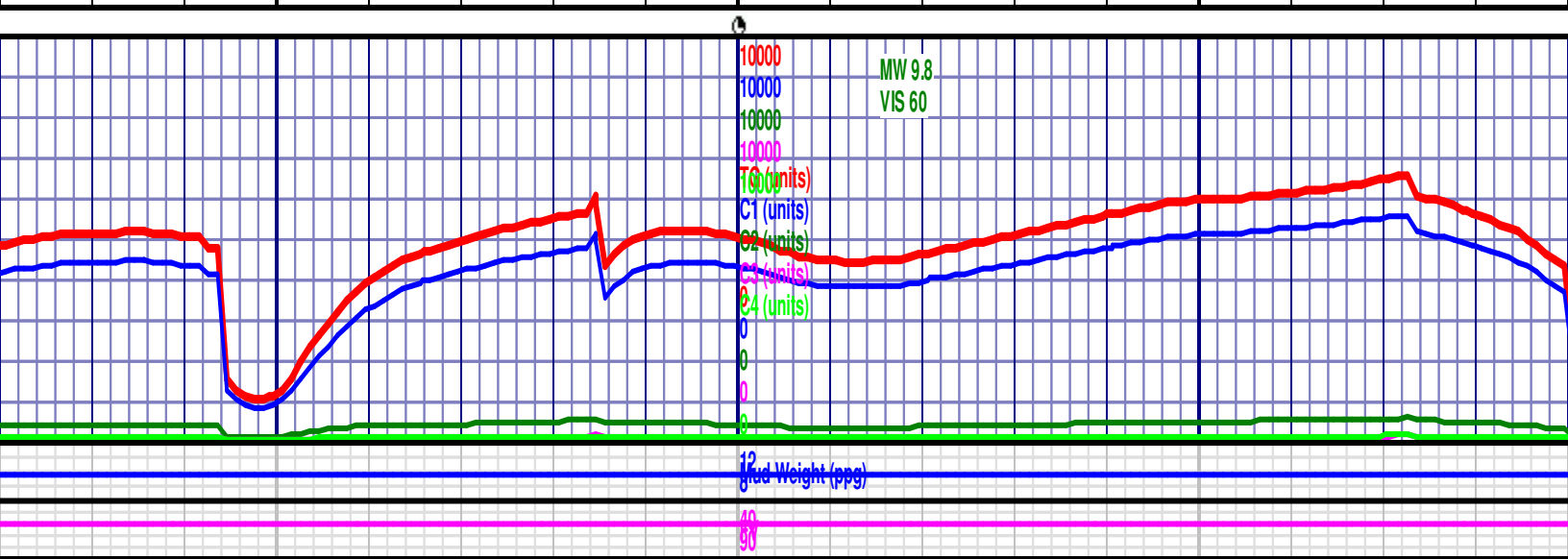
MD 14676 TVD 6981.82
INC 92 AZ 91.06
VS 7737.42

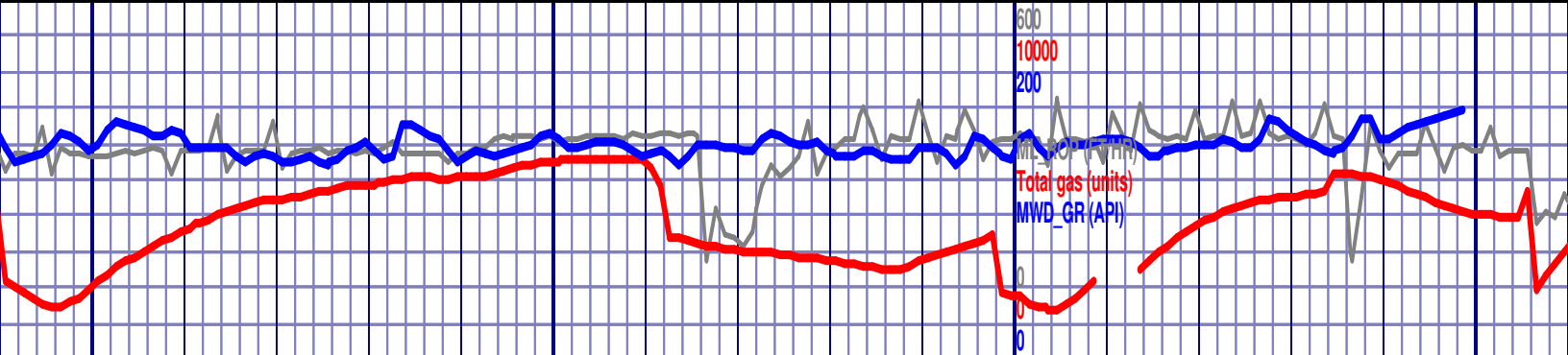




med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST
dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; TR pytrc
grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spstd grnsh blu resd

CHALK (80%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt,
sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRL
(20%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blky, frm-brit, occ drk mnrl spc; TR py
BENT; sppty blu grn pri flor, slo - mod fst blmg - stmg milky blush wht cut, spstd grnsh b
resd ring.





14900

14950

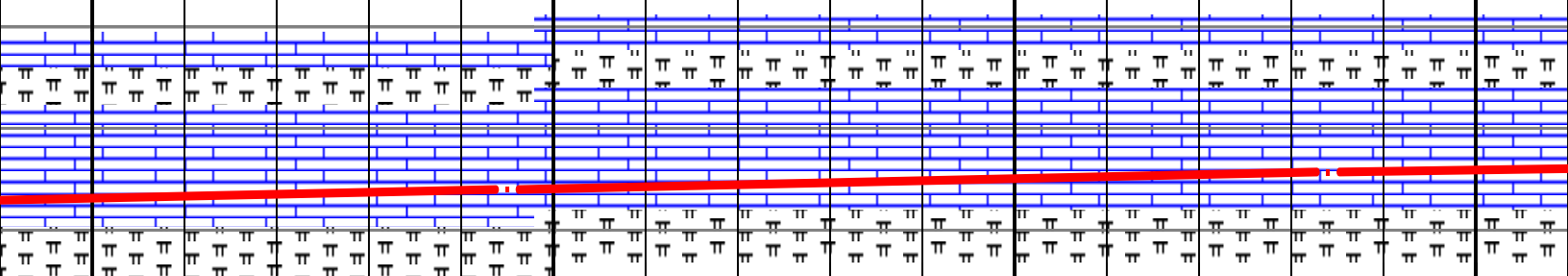
15000

15050

MD 14945 TVD 6972.02
INC 92.09 AZ 93.79
VS 8005.97

6900 TVD

MD 15034 TVD 6968.72
INC 92.15 AZ 93.57
VS 8094.72

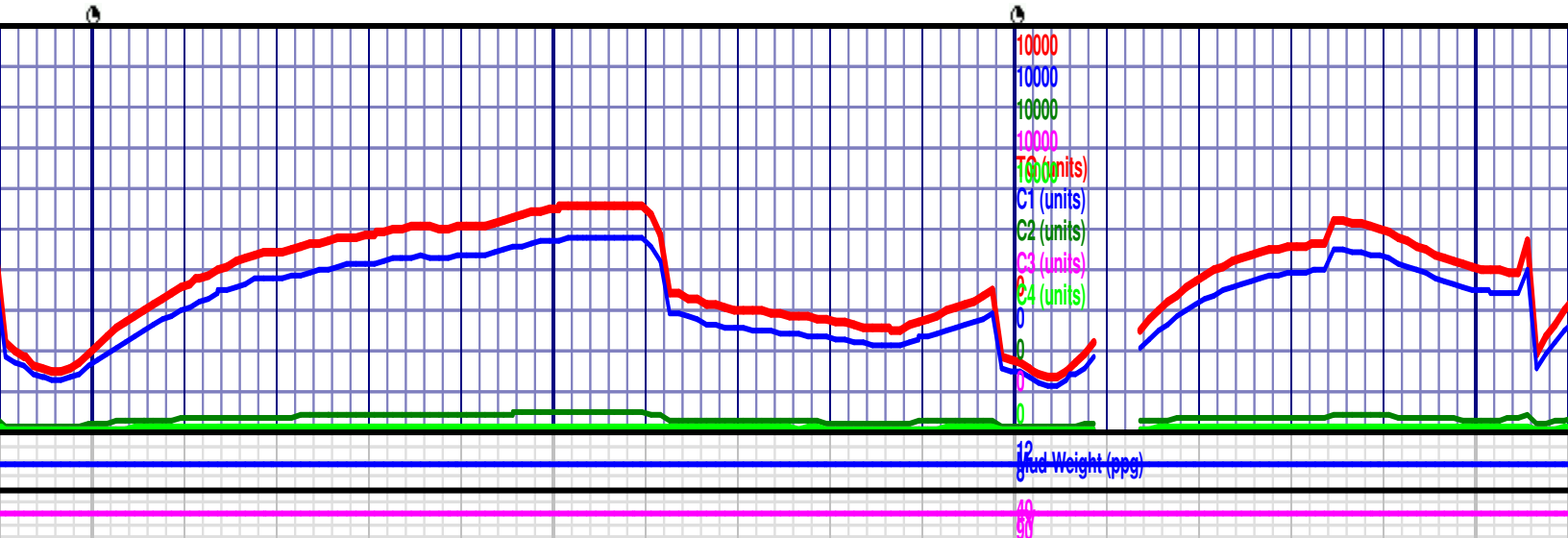


7000

CHALK (85%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST (15%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-brit, occ drk mnrl spc; TR pytrc BENT; spty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

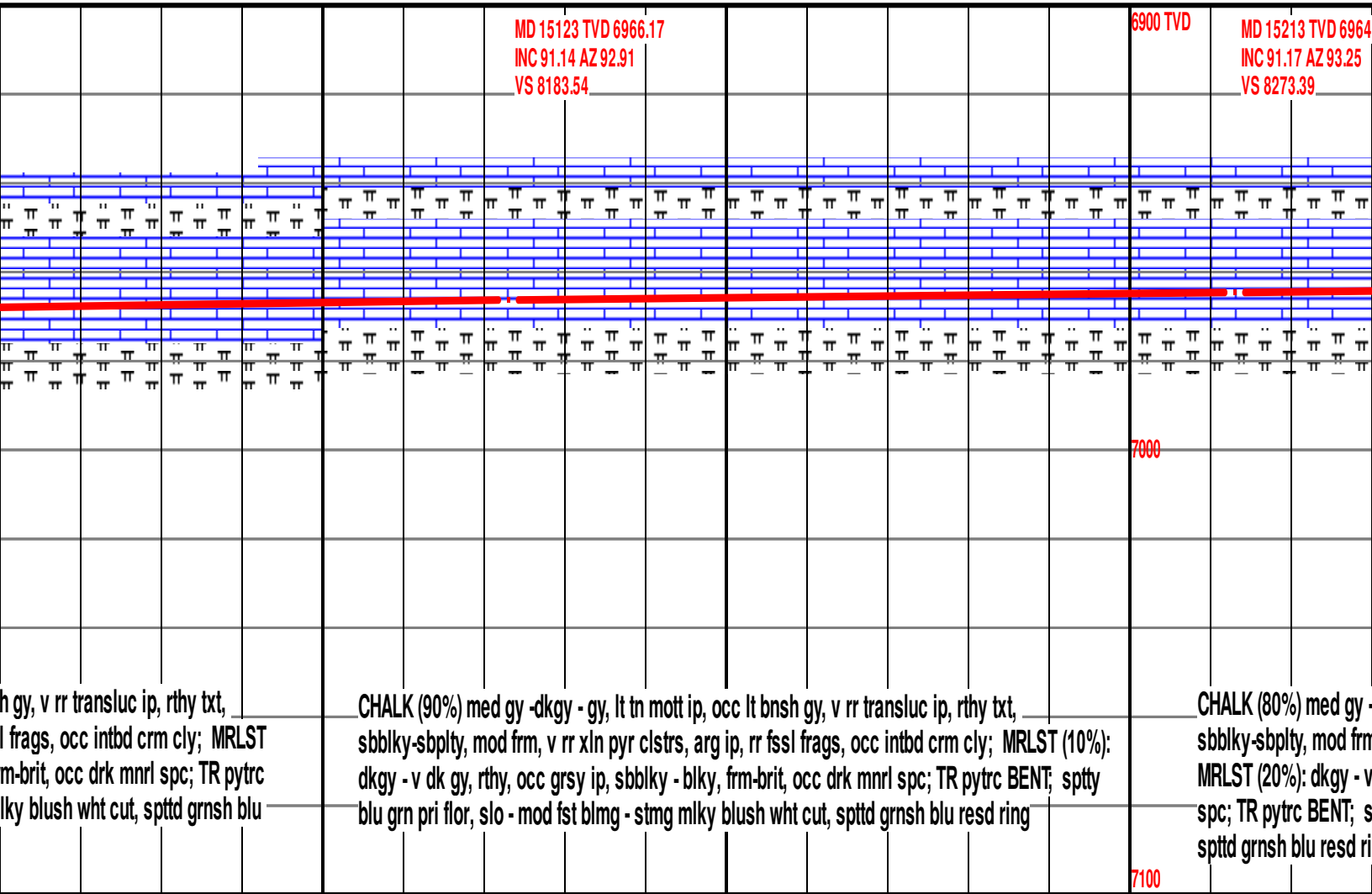
CHALK (80%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbply, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly; MRLST (20%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-brit, occ drk mnrl spc; TR pytrc BENT; spty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring.

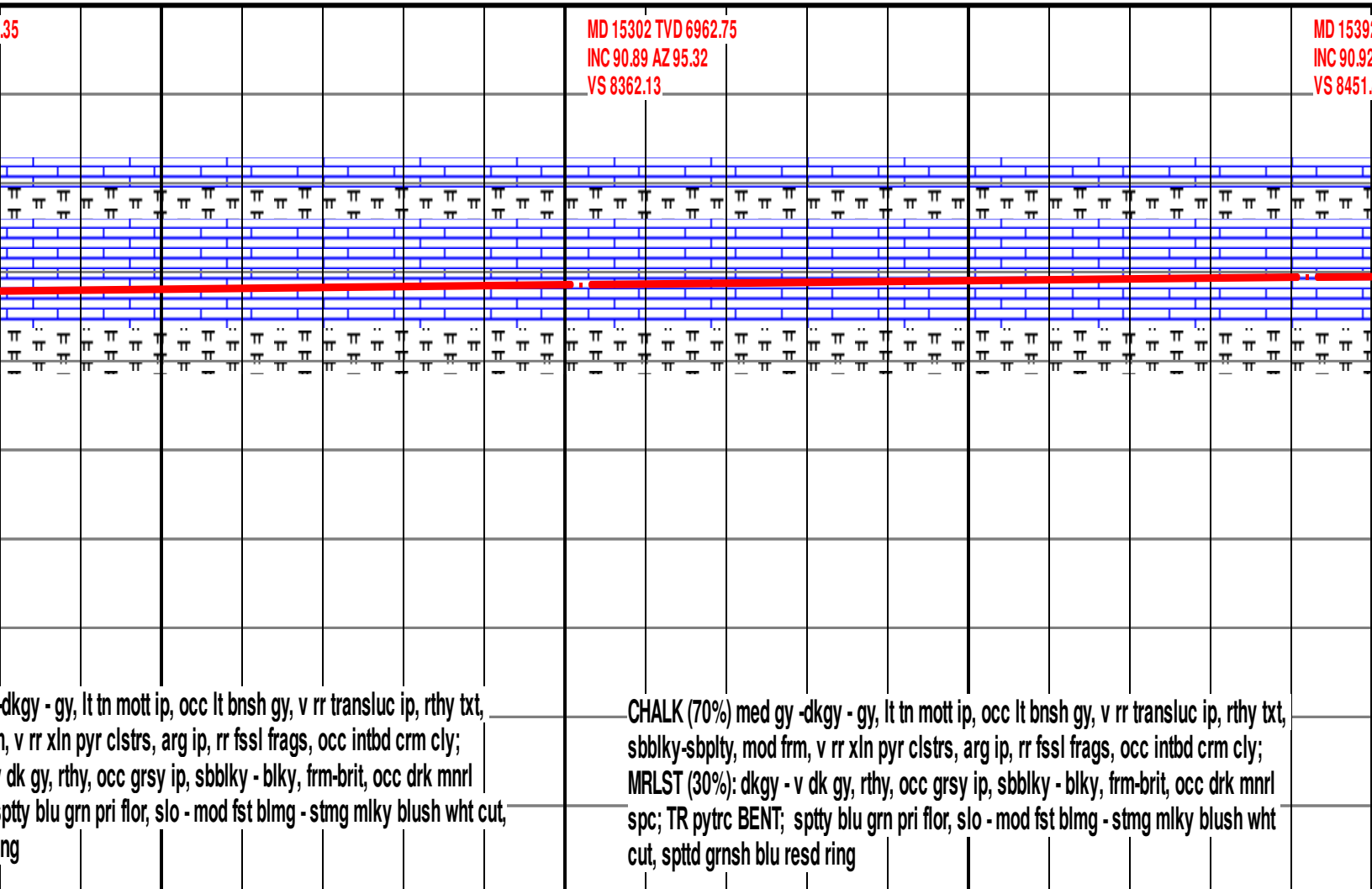
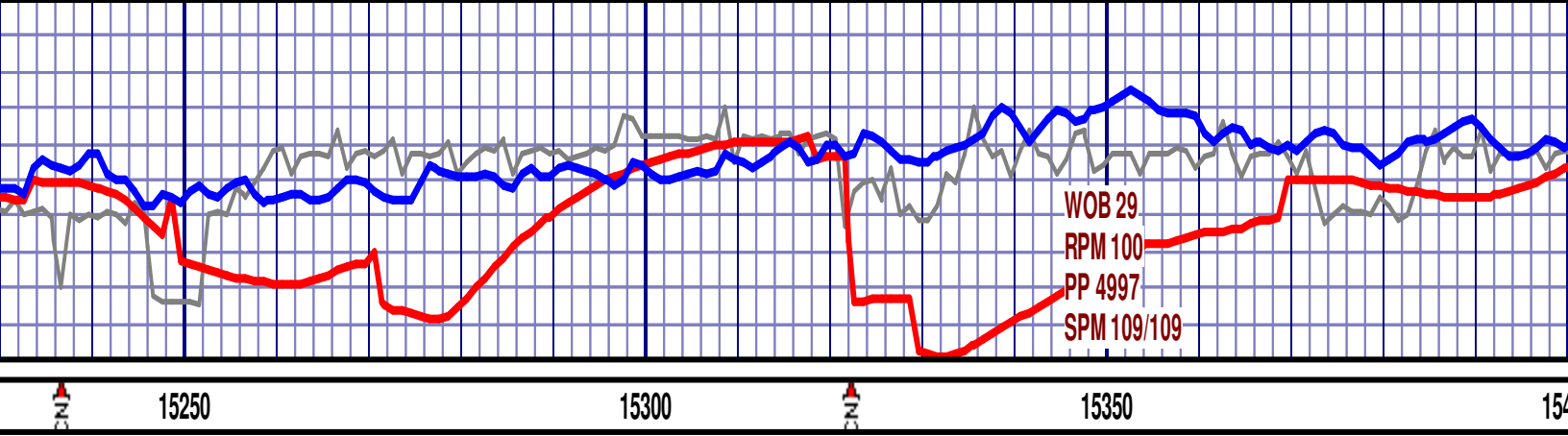
7100

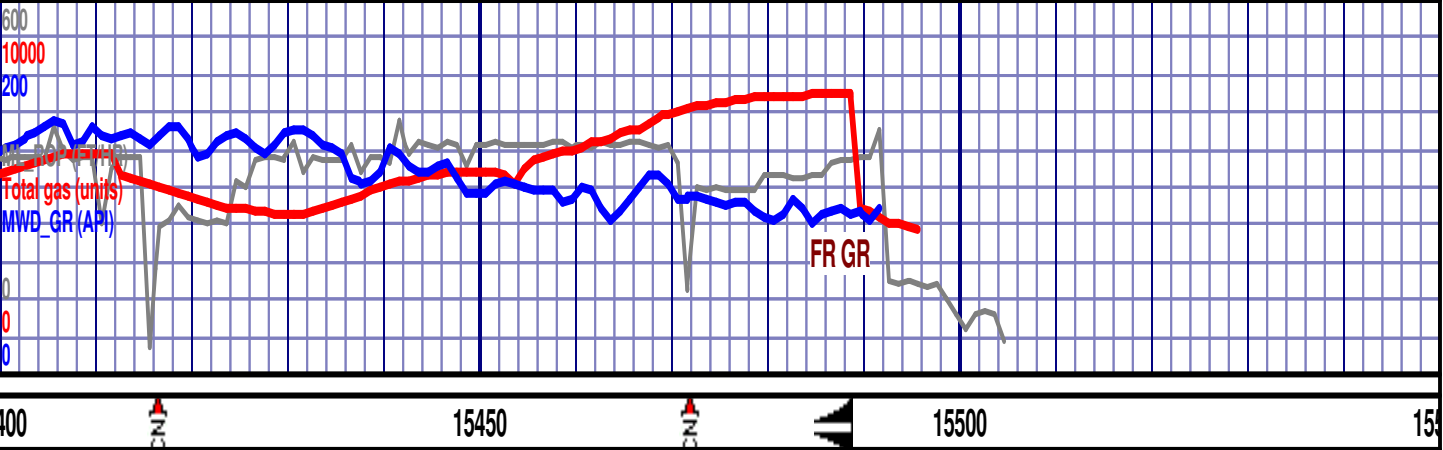


Red Weight (ppg)

80



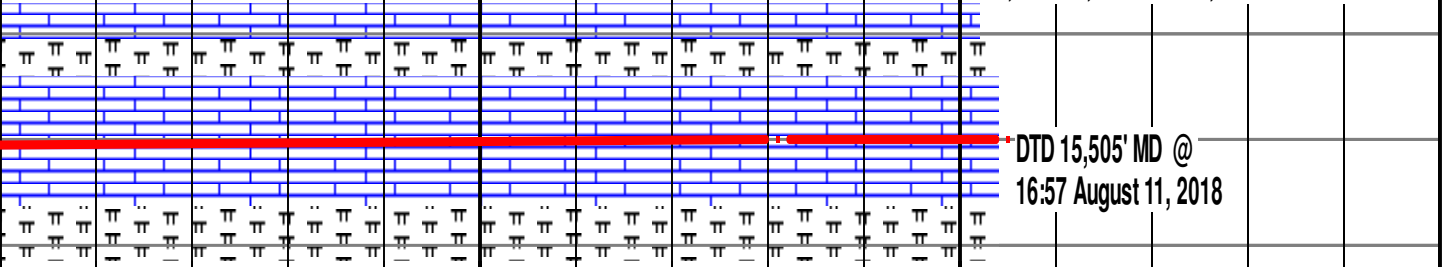




2 TVD 6961.33
 2 AZ 92.69
 89

MD 15481 TVD 6959.78
 INC 91.08 AZ 87.84
 VS 8540.85

BIT #4, 8.5", Baker, ATD505T, Jets 5x12s, SN#: 5283801, Rotary Steerable Directional BHA, IN @ 7,685' MD, ON 8/09/18, OUT ON 8/11/18 @ 7,683' MD, DRILLED 15,505' MD in 28.3 BIT HR.



Formation Tops			
	MD	TVD	SSD
Sharon Springs	7557'	6837'	-2093'
Niobrara A Chalk	7613'	6874'	-2130'
Niobrara B Chalk	7872'	7006'	-2262'

CHALK (90%) med gy -dkgy - gy, lt tn mott ip, occ lt bnsh gy, v rr transluc ip, rthy txt, sbblky-sbplty, mod frm, v rr xln pyr clstrs, arg ip, rr fssl frags, occ intbd crm cly;
 MRLST (10%): dkgy - v dk gy, rthy, occ grsy ip, sbblky - blkly, frm-brit, occ drk mnrl spc;
 TR pytrc BENT; sptty blu grn pri flor, slo - mod fst blmg - stmg mlky blush wht cut, spttd grnsh blu resd ring

Thank You
 Goolsby Brothers & Assoc. Inc

