

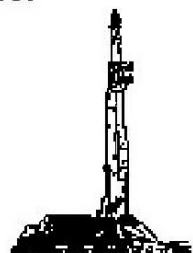
**GOOLSBY BROTHERS**  
and associates, inc.

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: Boomerang 32N-6B-M  
API: 051234539600  
Location: Section 5, T5N, R66W, Weld County, CO.  
License Number:  
Spud Date: March 21, 2018  
Surface Coordinates: NENW T5N, R66W Sec 5, 1,347' FNL & 2,327' FWL  
LAT 40.433454 LONG -104.80354  
Bottom Hole Coordinates: NWNW T5N, R66W Sec 6, 147' FNL & 150' FWL (est.)  
Ground Elevation (ft): 4,769' K.B. Elevation (ft): 4,789'  
Logged Interval (ft): 6,900' To: 15747' Total Depth (ft): 15747' DMTD  
Formation: Pierre Shales / Sands, Sharon Springs, Niobrara B Target  
Type of Drilling Fluid: FW Surface, OBM Curve & Lateral

Region: Wattenberg  
Drilling Completed: March 23, 2018

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**

Name: Andrew Krueger & Larry Goolsby  
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

Logs

PULSE MWD GR from 1,846'-15716' MD

Casing

9 5/8" Surface Casing set @ 1,836' MD  
5 1/2" Production Casing set @ xxxxx' MD

Comments

- 1) Drilling Contractor: Precision Drilling, Rig #462  
Toolpusher: Cody Teeter
- 2) Company Man: Steve Wilson, Buddy Davis  
Lovell Young, Tony Pershall
- 3) Mud Company : Reliable Drilling Fluid  
Engineer: Tim Pattison, Henry Yoes
- 4) Directional Drilling: Baker Hughes Directional  
Rotary Steerable BHA  
Drillers: Josh Sund, Josh Otero
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) SRC Geologist: Tony Williams

ROCK TYPES

	Bent		Sltst		Sltly sh		Arg_ss		Ls
	Mrlst		Carb chalk		Coal		Ss		Sltly sh
	Shale		Chalk		Sltst		Carb sh		

## 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  
 Anhy  
 Arg  
 Bent  
 Coal  
 Dol  
 Gyp  
 Ls

Mrst  
 Sltstgr  
 Ssstgr

### TEXTURE

Boundst  
 Chalky  
 Cryxln  
 Earthy  
 Finexln  
 Grainst  
 Lithogr  
 Microxln  
 Mudst  
 Packst  
 Wackst

## OTHER SYMBOLS

### POROSITY TYPE

Earthy  
 Fenest  
 Fracture  
 Inter  
 Moldic  
 Organic  
 Pinpoint  
 Vuggy

### SORTING

Well  
 Moderate  
 Poor

### ROUNDING

Rounded  
 Subrnd  
 Subang

Angular

### OIL SHOWS

Even  
 Spotted  
 Ques  
 Dead  
 Vspotty  
 near even

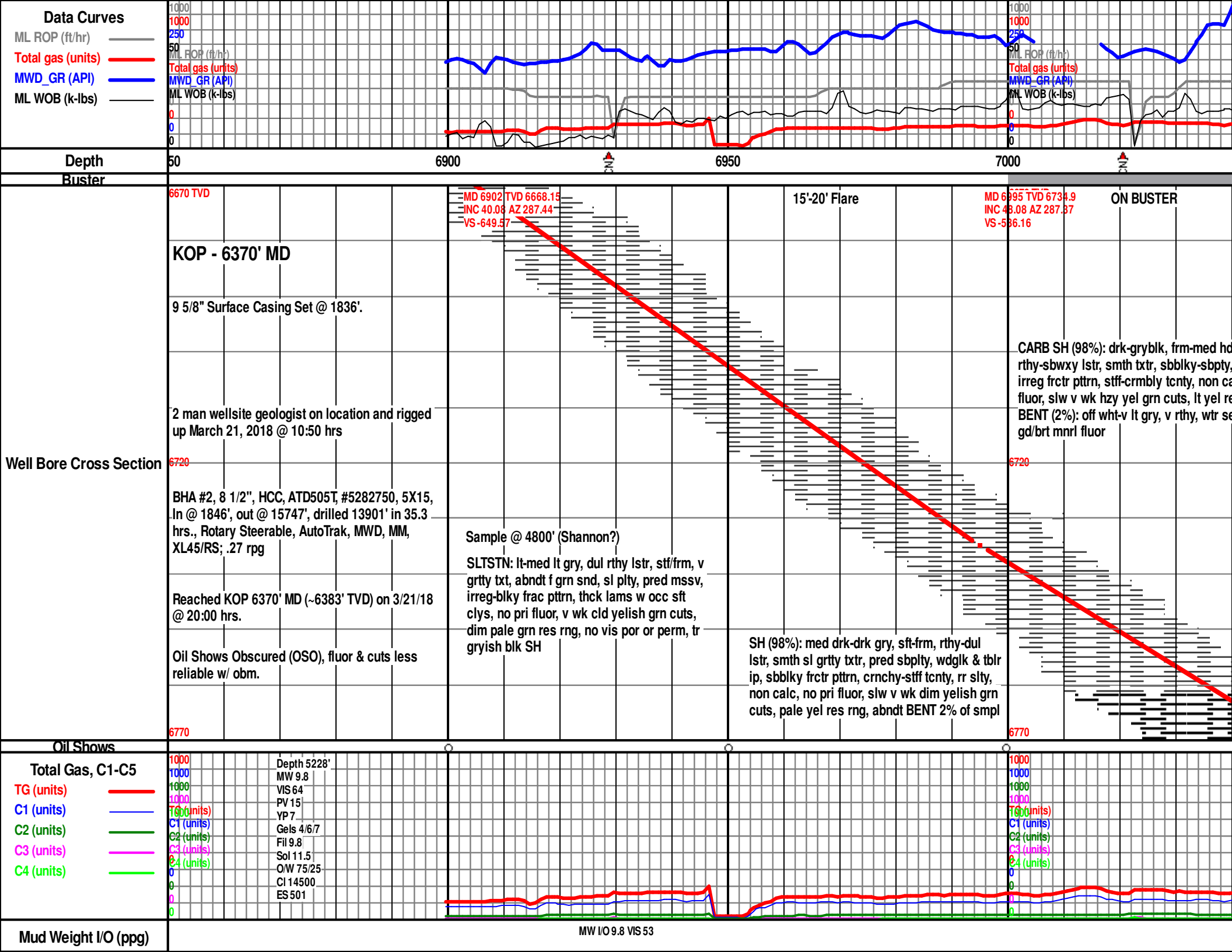
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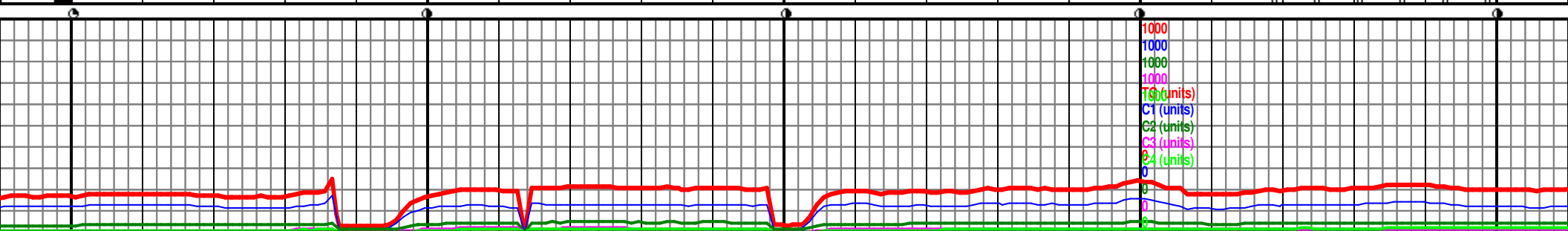
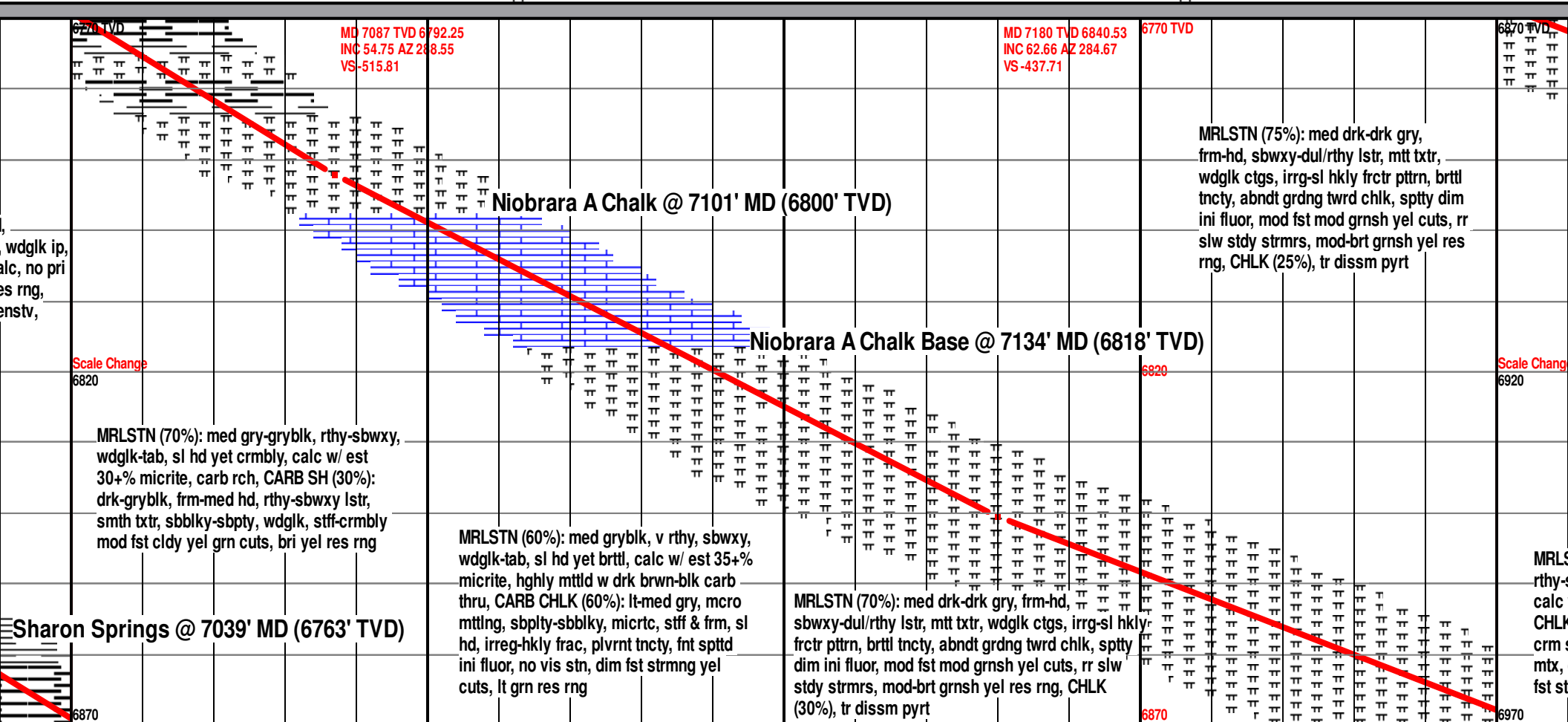
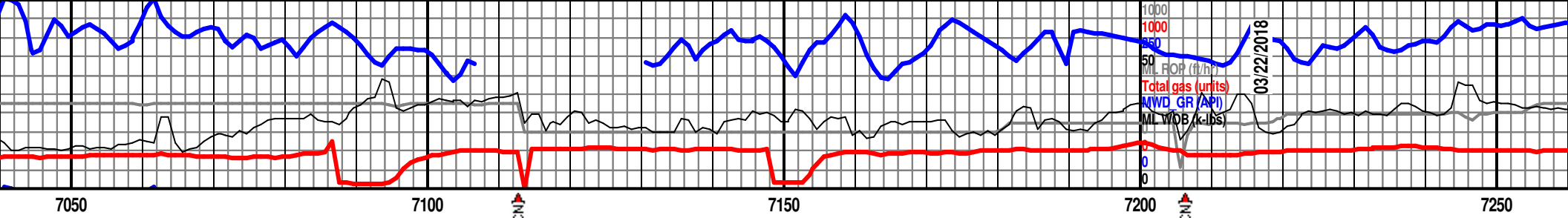
Core  
 Dst

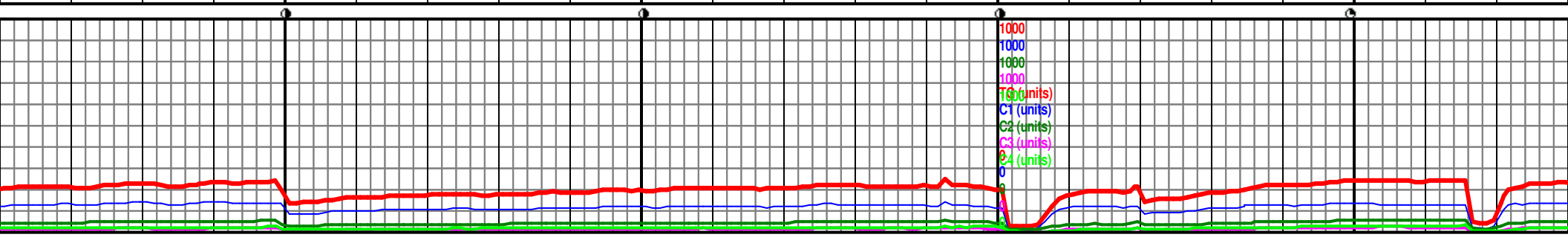
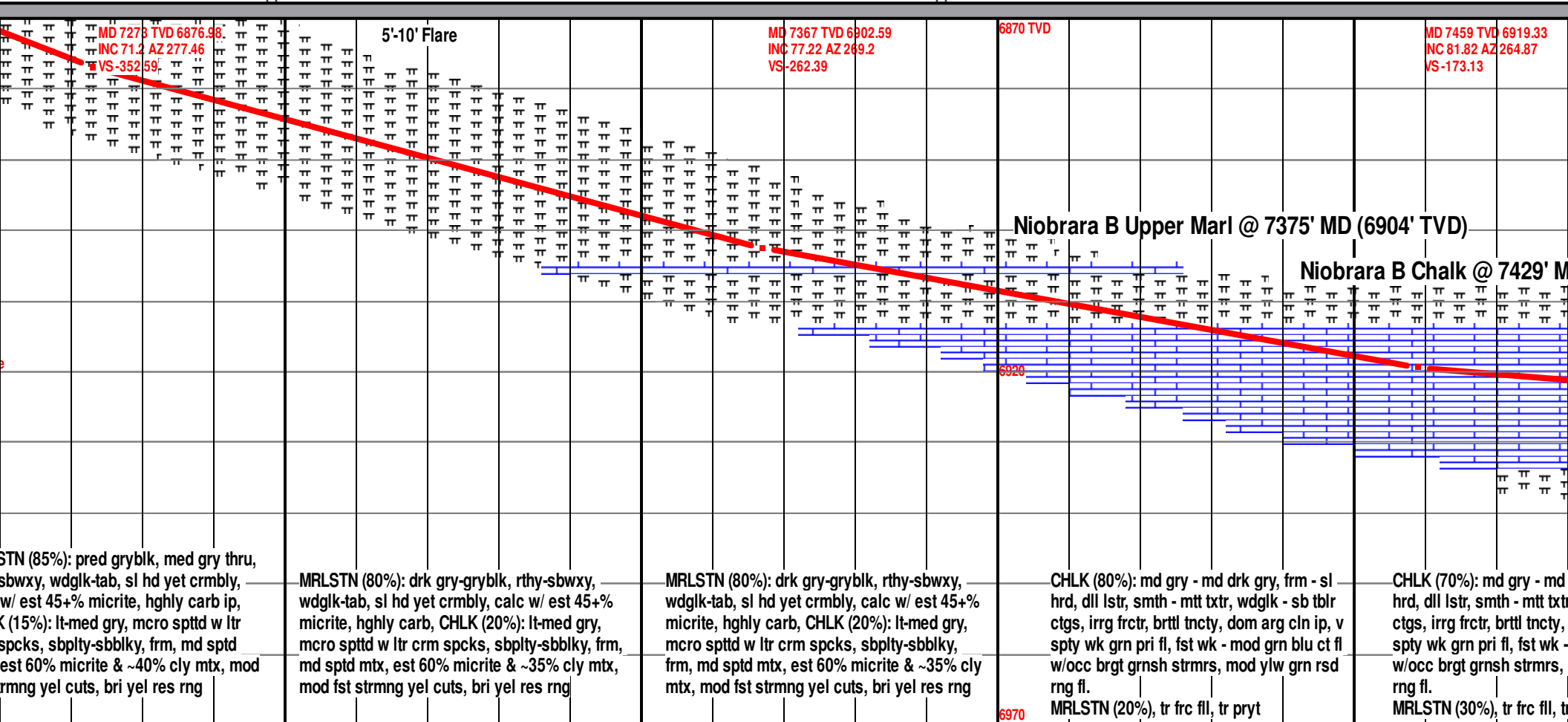
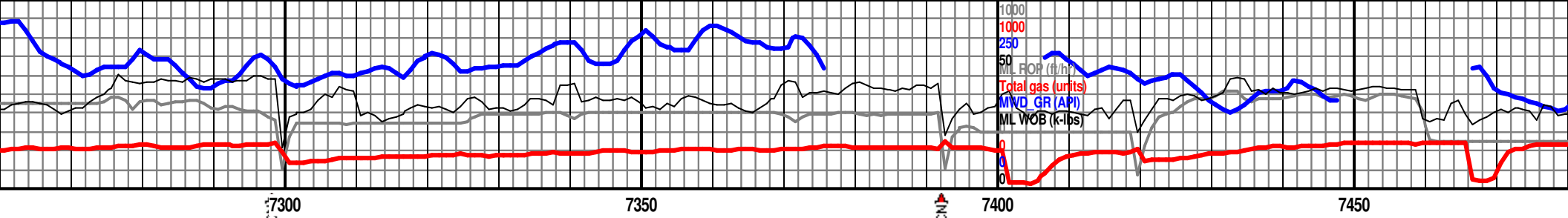
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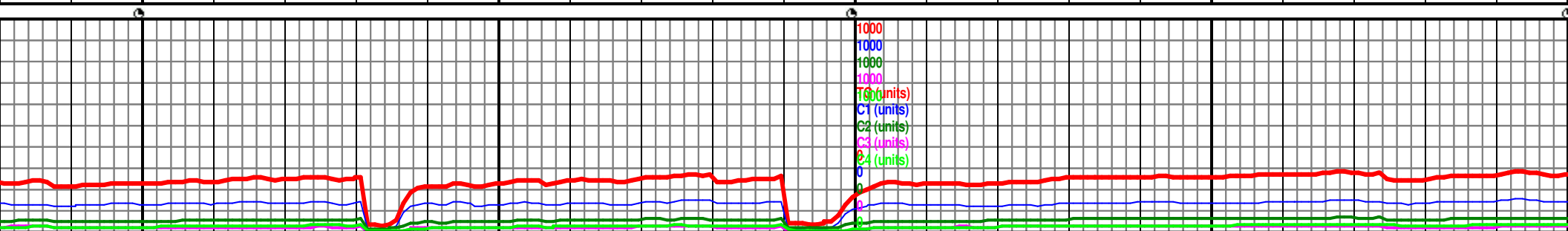
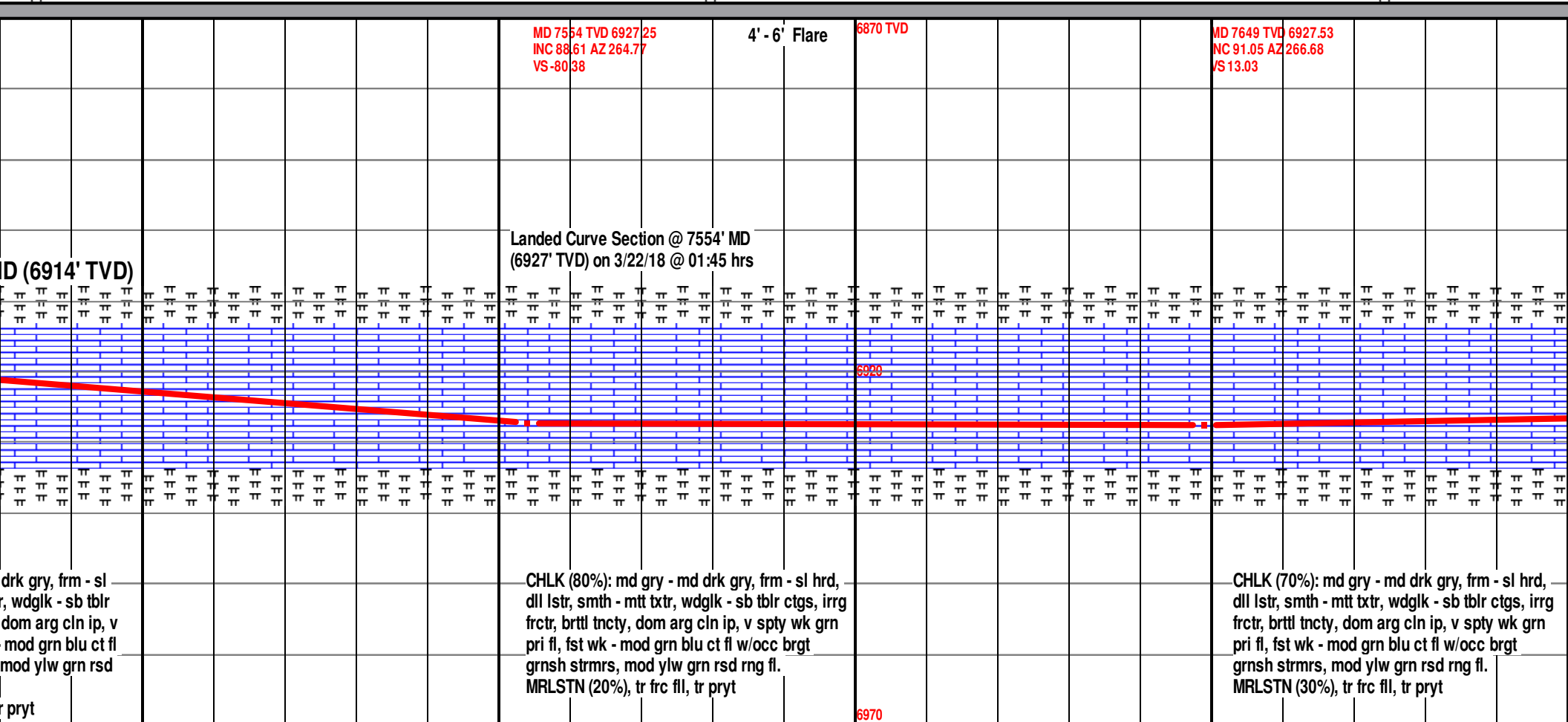
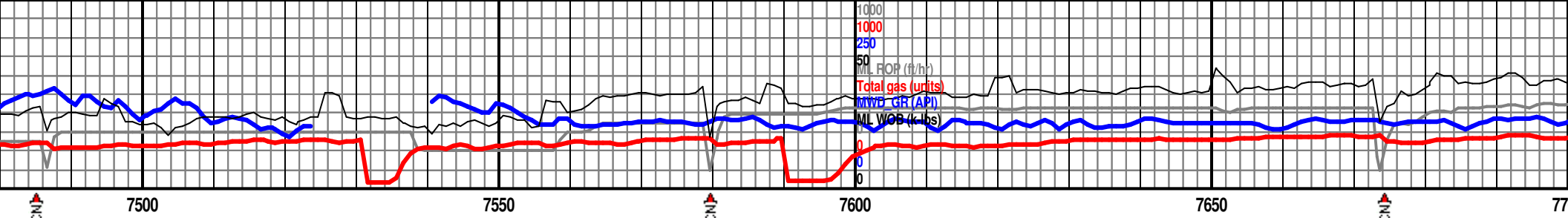
Casing shoe\_hzl  
 Trip\_point\_1  
 Off bottom  
 conn

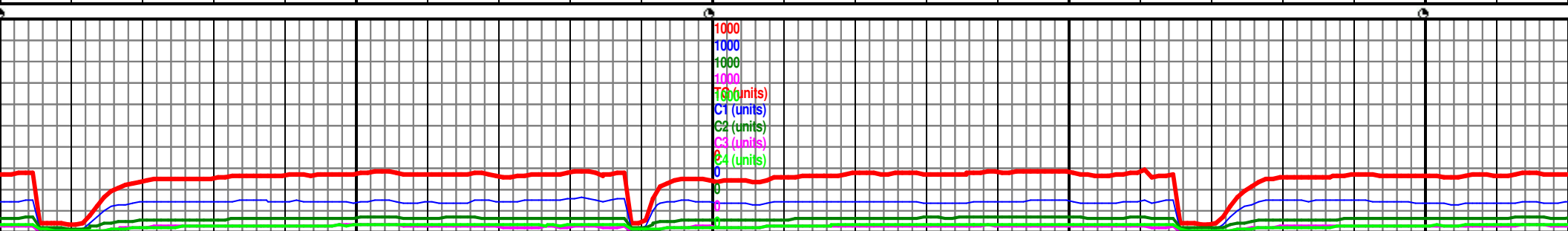
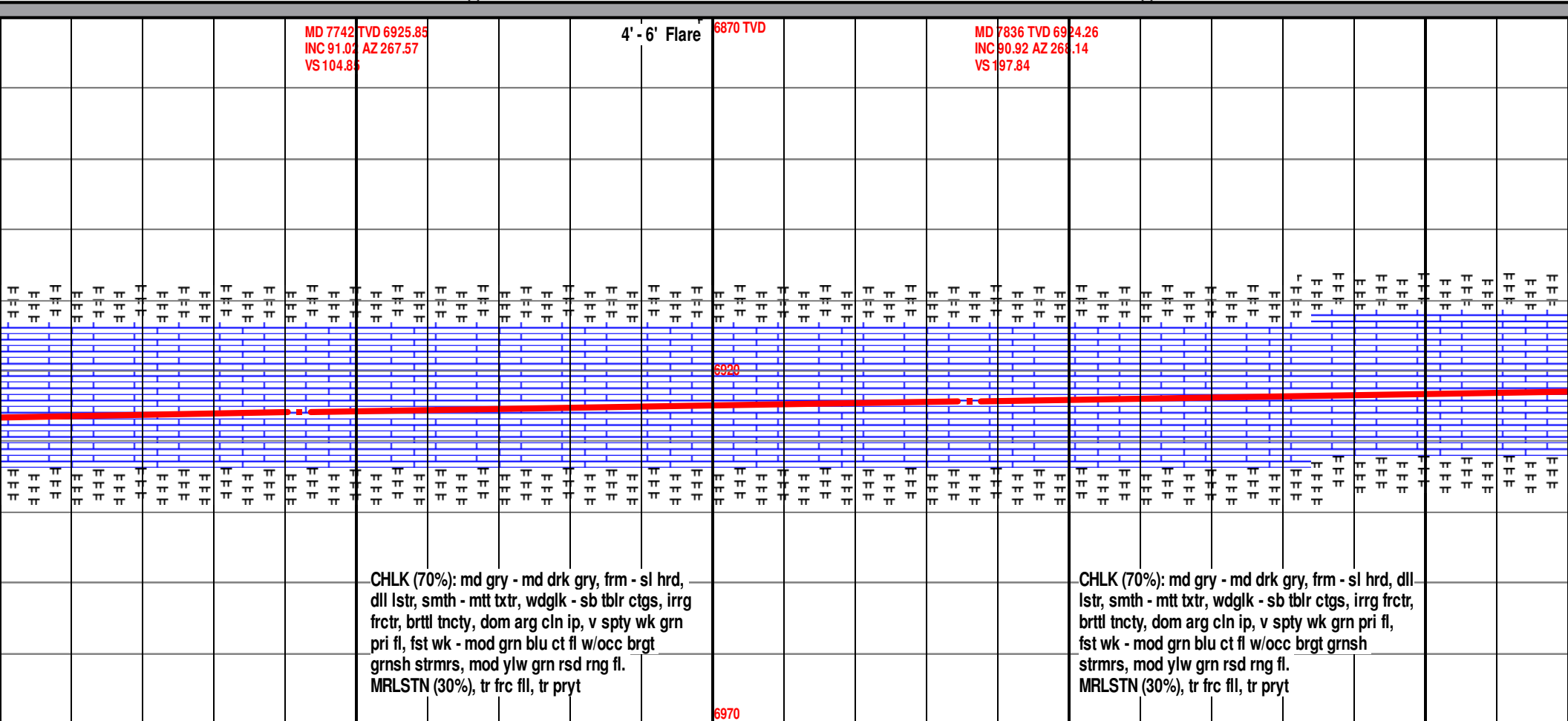
Survey(mwd)  
 Survey(red)  
 bit



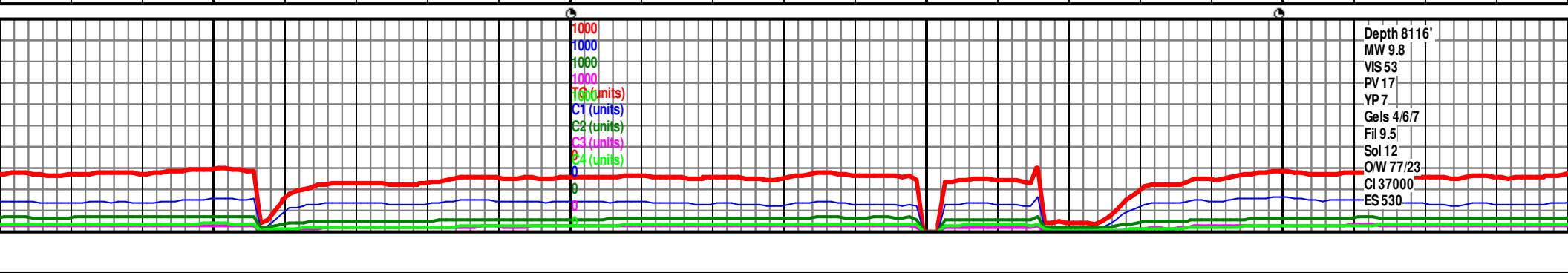
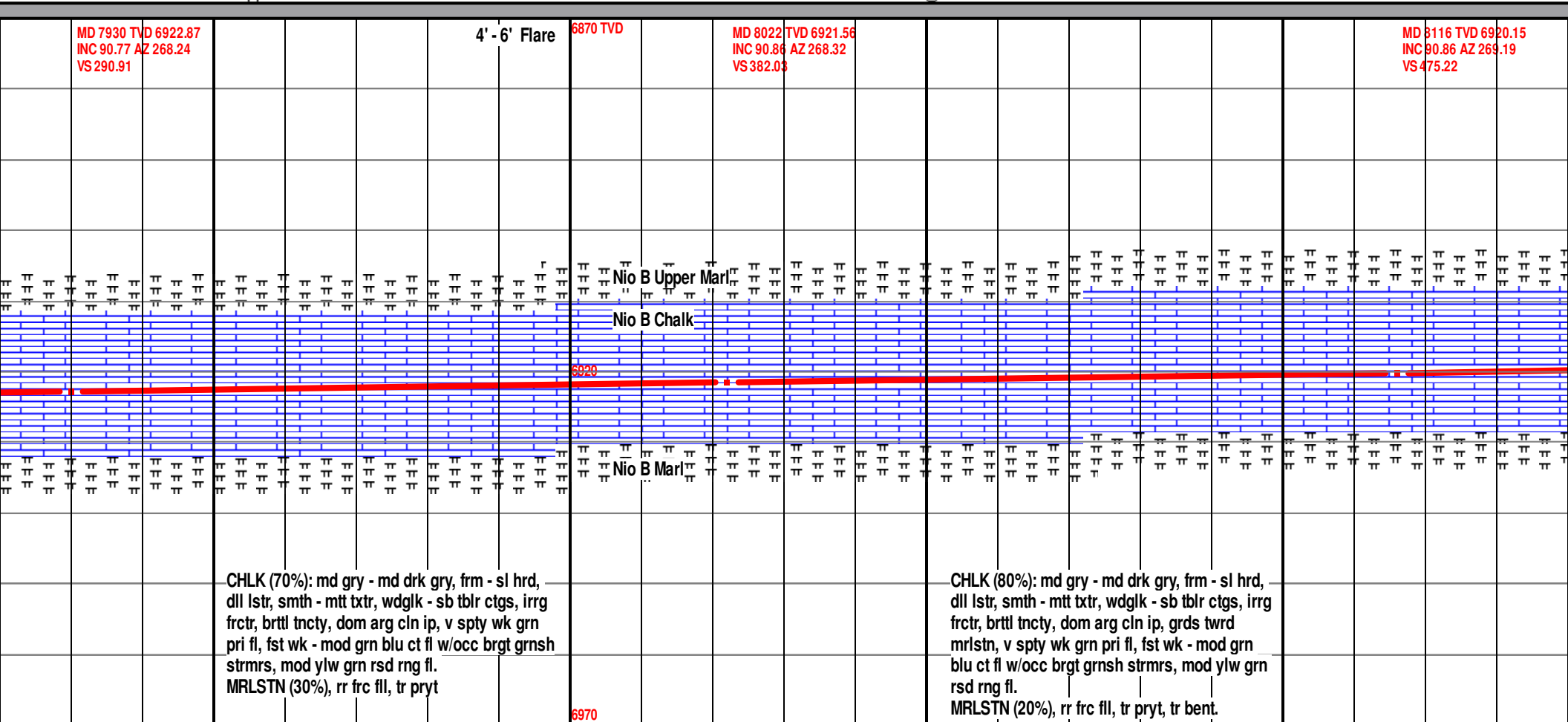
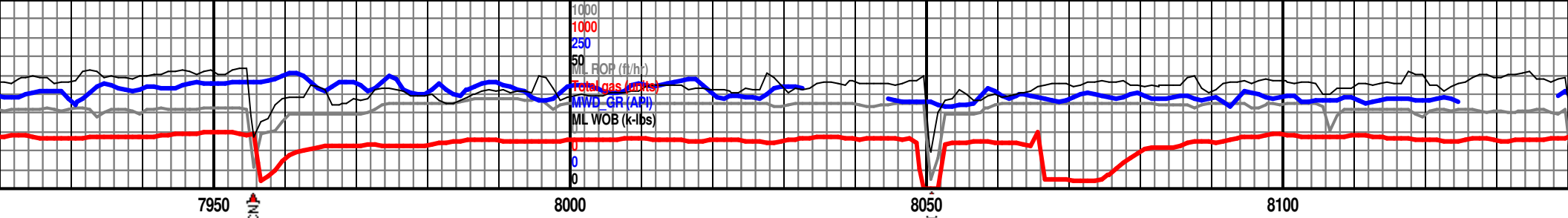




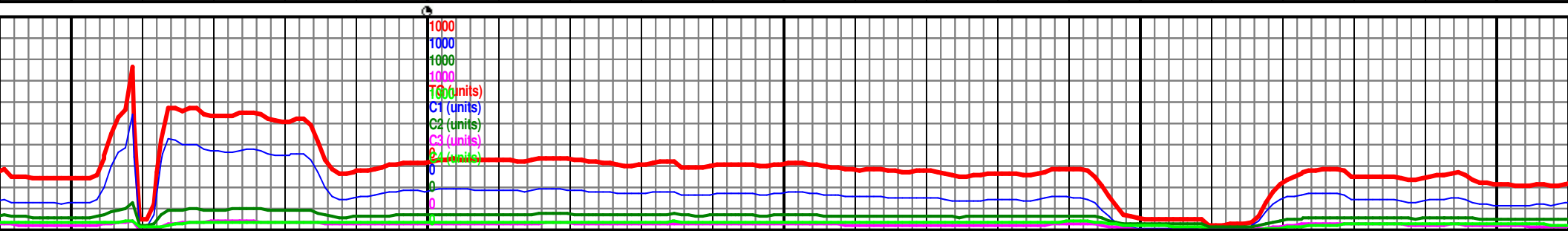
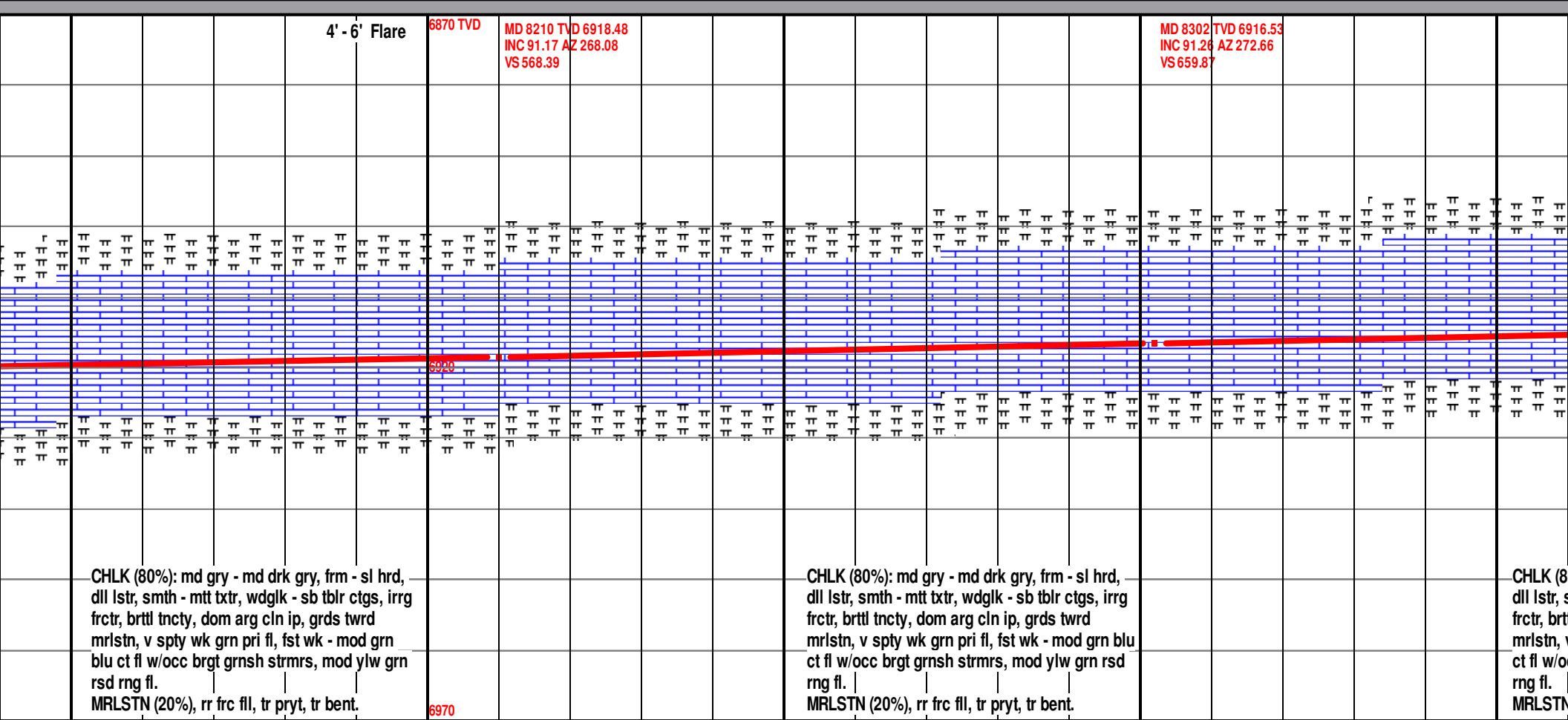
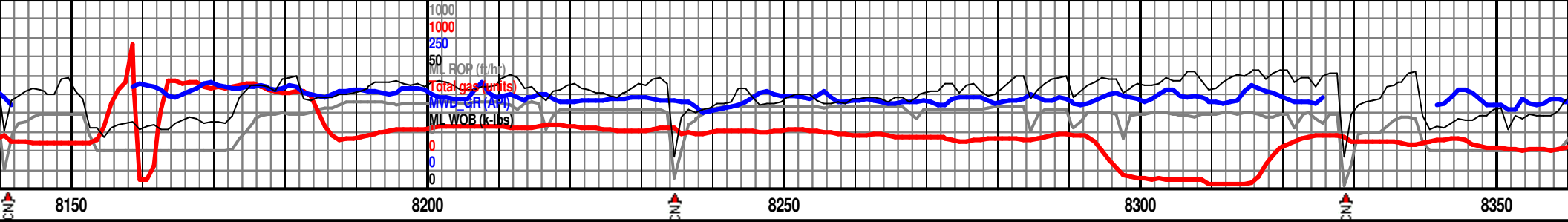


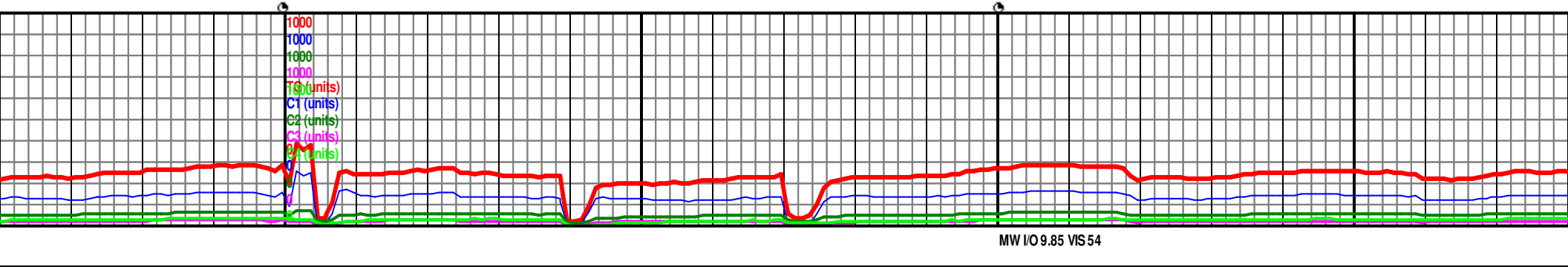
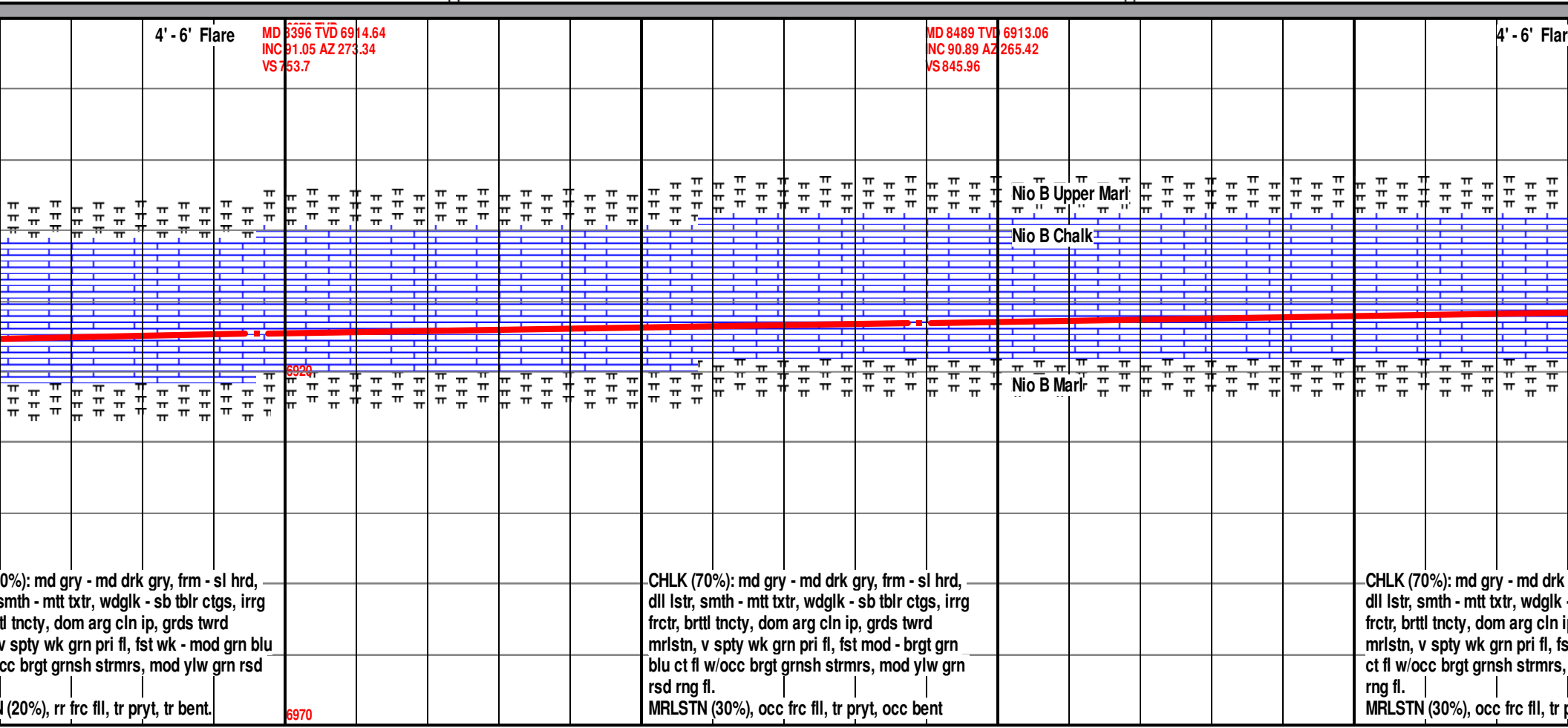
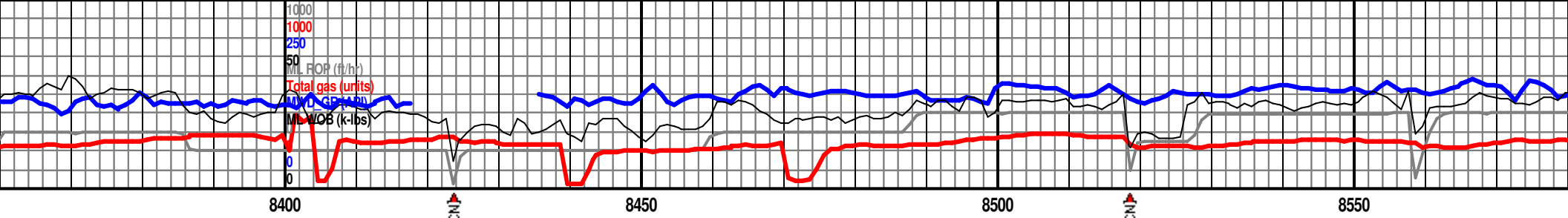


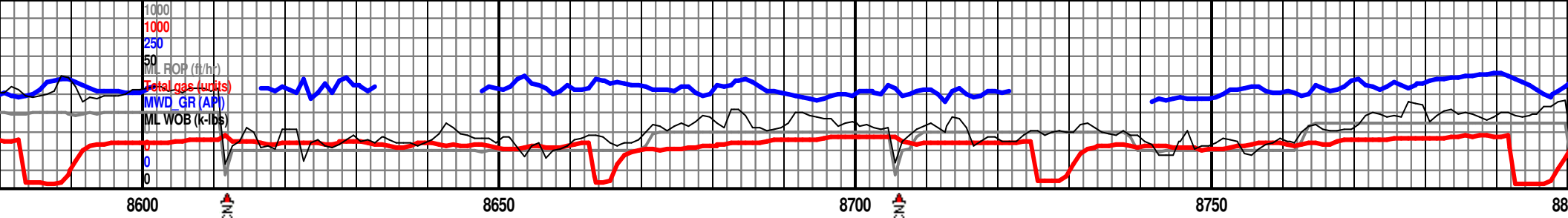




Depth 8116'  
MW 9.8  
VIS 53  
PV 17  
YP 7  
Gels 4/6/7  
Fil 9.5  
Sol 12  
O/W 77/23  
CI 37000  
ES 530





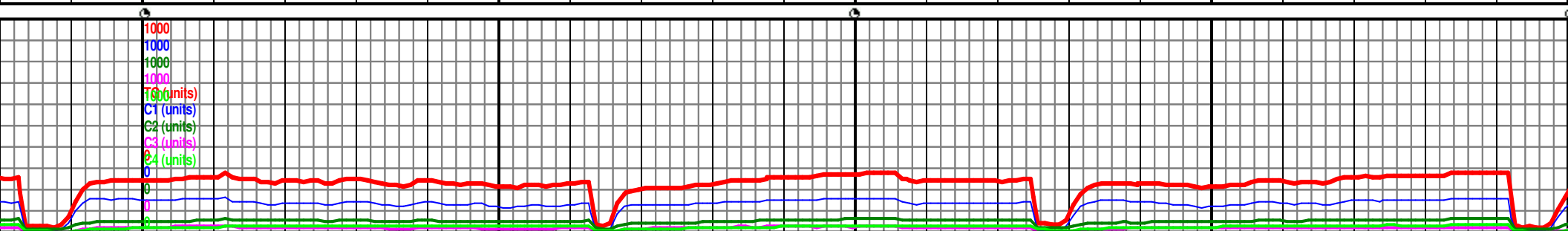
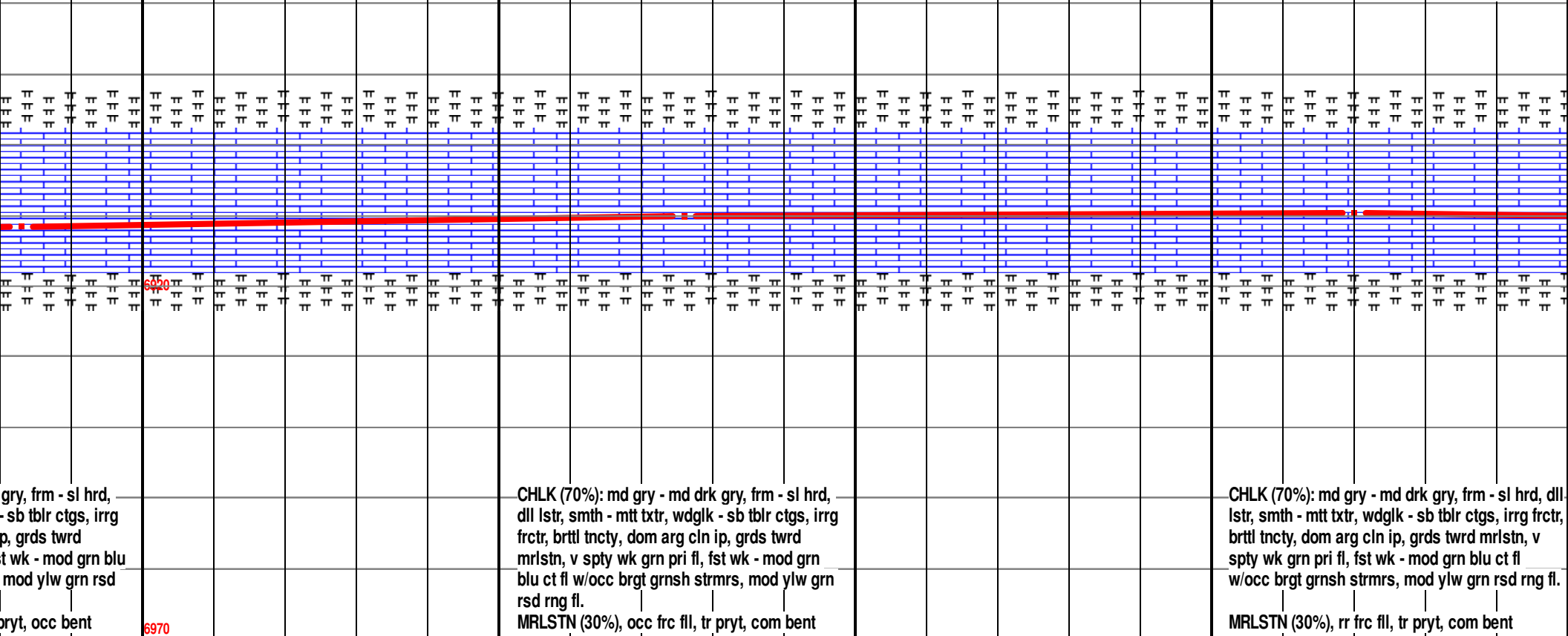


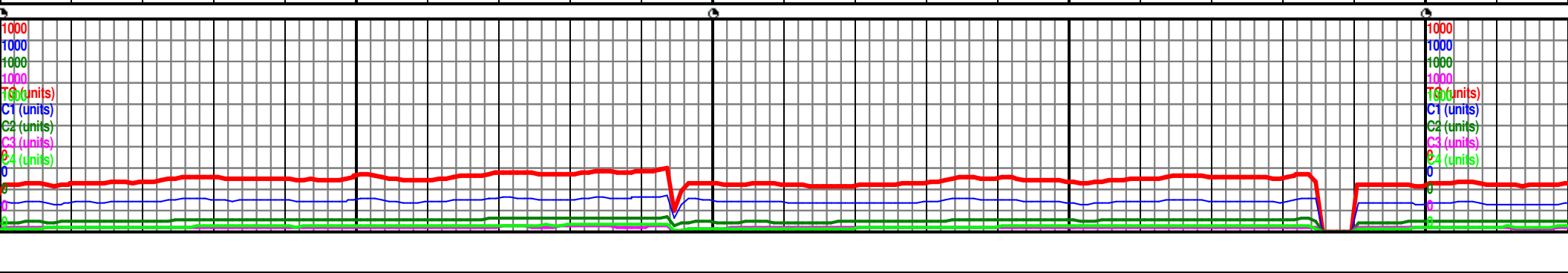
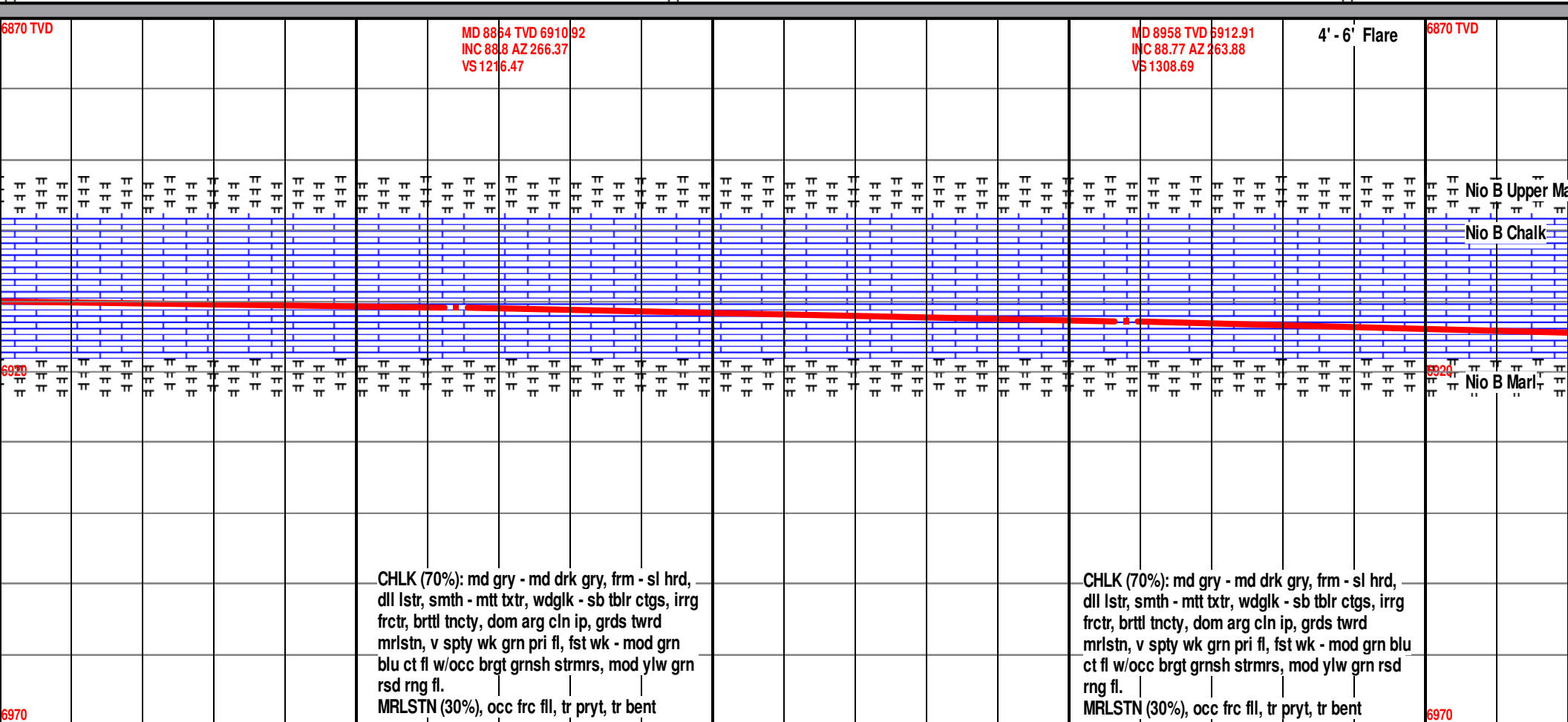
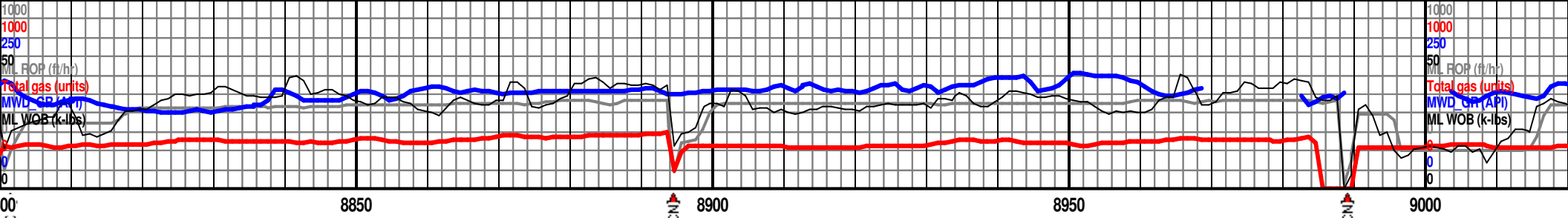
MD 8583 TVD 6911.6  
INC 90.89 AZ 265.99  
VS 938.37

MD 8676 TVD 6910.11  
INC 90.95 AZ 269.16  
VS 1030.3

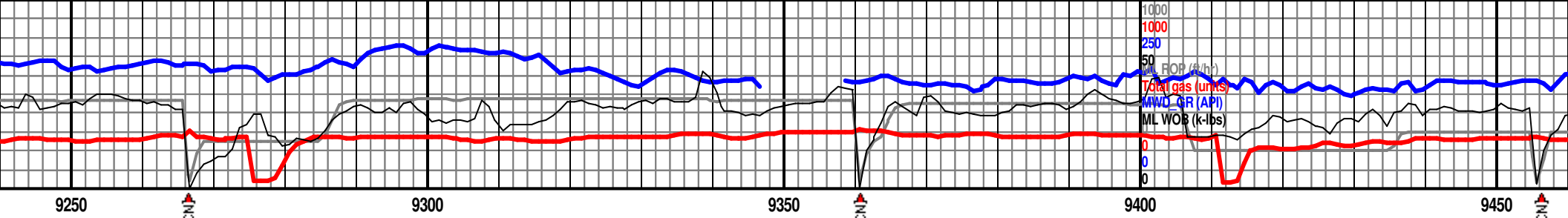
MD 8770 TVD 6909.63  
INC 89.63 AZ 268.78  
VS 1123.55

4' - 6' Flare









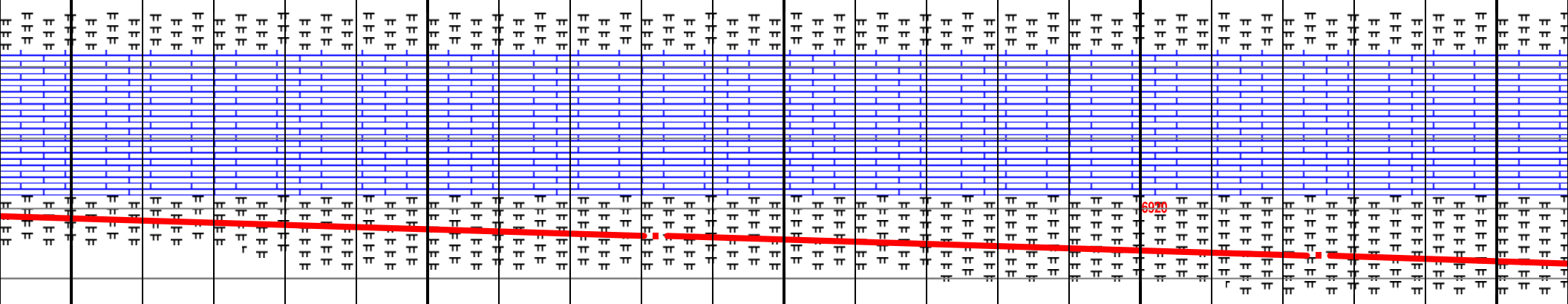
D 9238 TVD 5921.02  
C 88.21 AZ 261.57  
S92

MD 9332 TVD 6923.9  
INC 88.28 AZ 262.84  
VS 94

4' - 6' Flare

6870 TVD

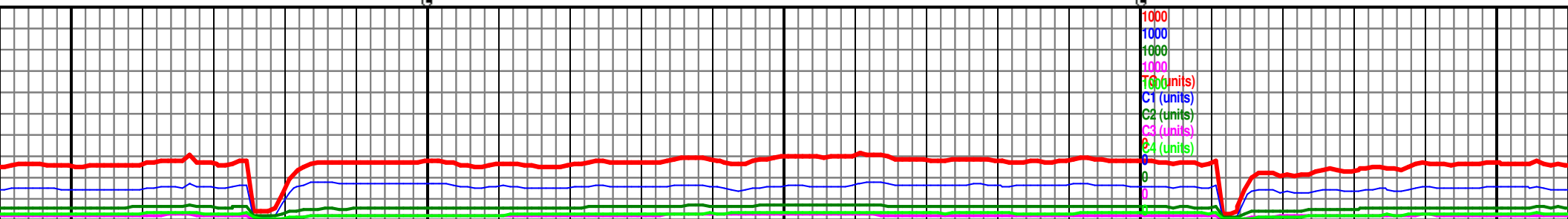
MD 9425 TVD 6925.75  
INC 88.21 AZ 264.99  
VS 93

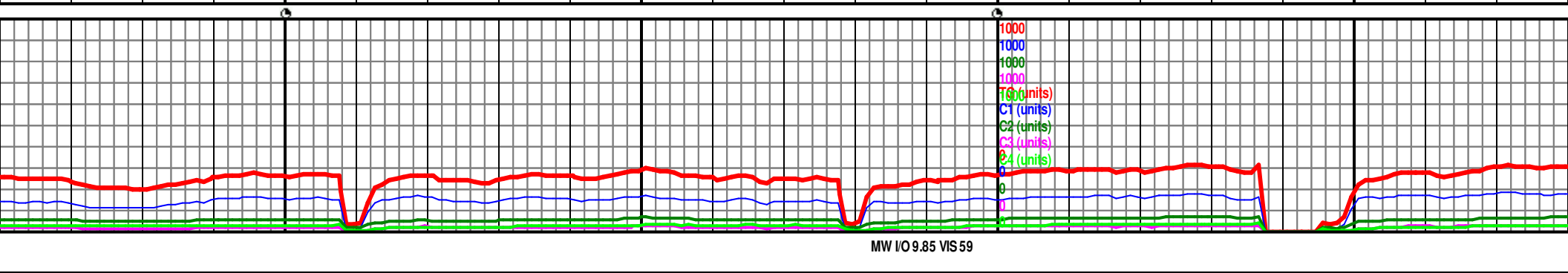
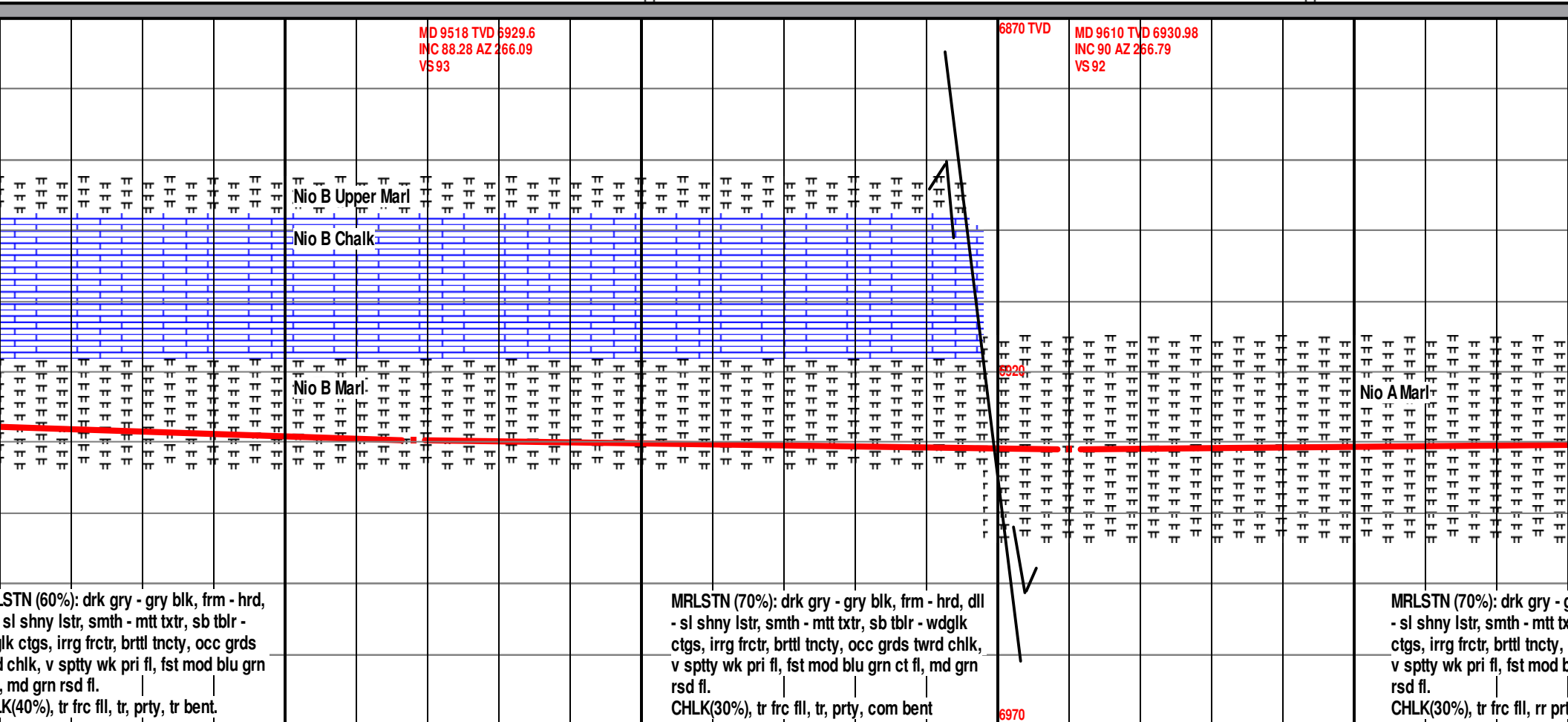
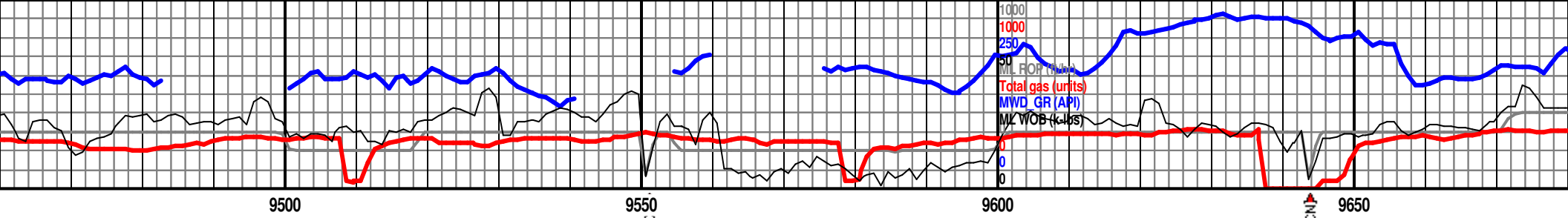


CHLK (50%): md gry - md drk gry, frm - sl hrd,  
dll lstr, smth - mtt txtr, wdgk - sb tblr ctgs, irrgr  
frctr, brttl tncy, dom arg cln ip, grds twrd  
mrlstn, v spty wk grn pri fl, fst wk - mod grn blu  
ct fl w/occ brgt grnsh strms, mod ylw grn rsd  
rng fl.  
MRLSTN (50%), occ frc fil, tr pryt, tr bent

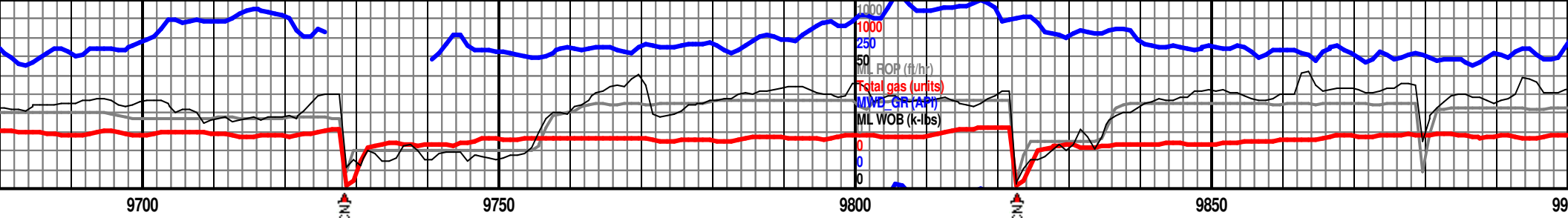
MRLSTN (60%): drk gry - gry blk, frm - hrd,  
dll - sl shny lstr, smth - mtt txtr, sb tblr -  
wdgk ctgs, irrgr frctr, brttl tncy, occ grds  
twrd chlk, v spty wk pri fl, fst mod blu grn  
ct fl, md grn rsd fl.  
CHLK(40%), tr frc fil, tr, prty, tr bent.

MRL  
dll -  
wdgk  
twrd  
ct fl.  
CHLK







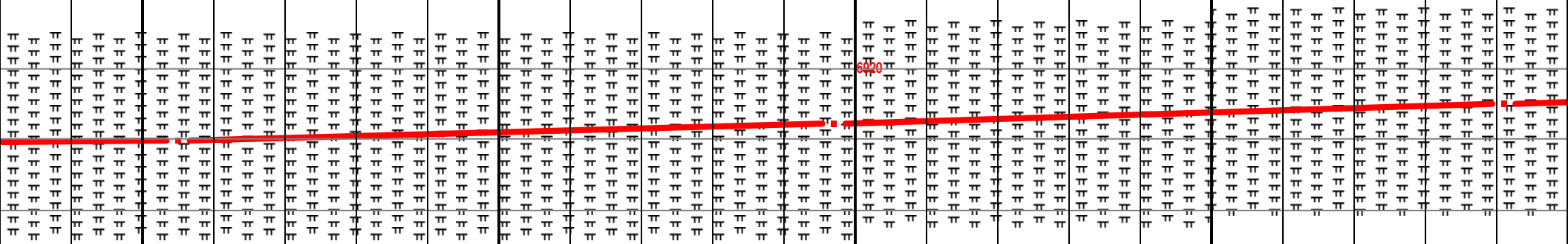


MD 9705 TVD 6930.03  
INC 91.14 AZ 267.97  
VS 95

MD 9797 TVD 6927.81  
INC 91.63 AZ 248.71  
VS 92

5' - 10' Flare

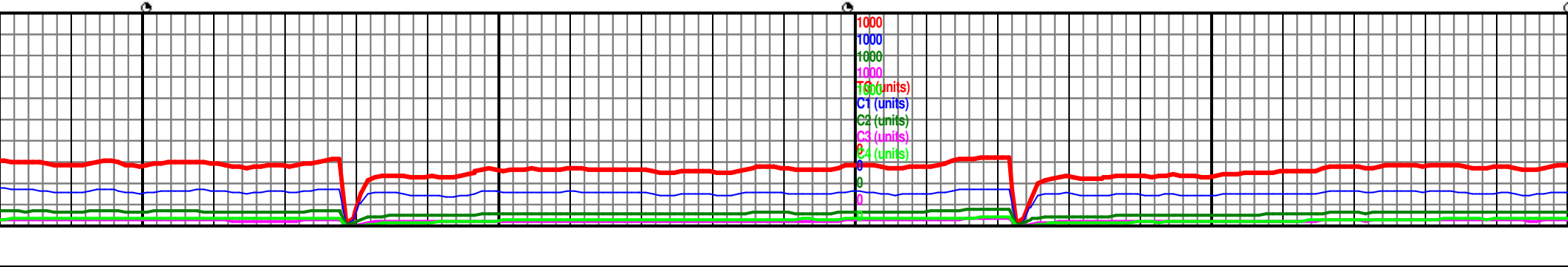
MD 9891 TVD 6927.81  
INC 91.85 AZ 248.71  
VS 94

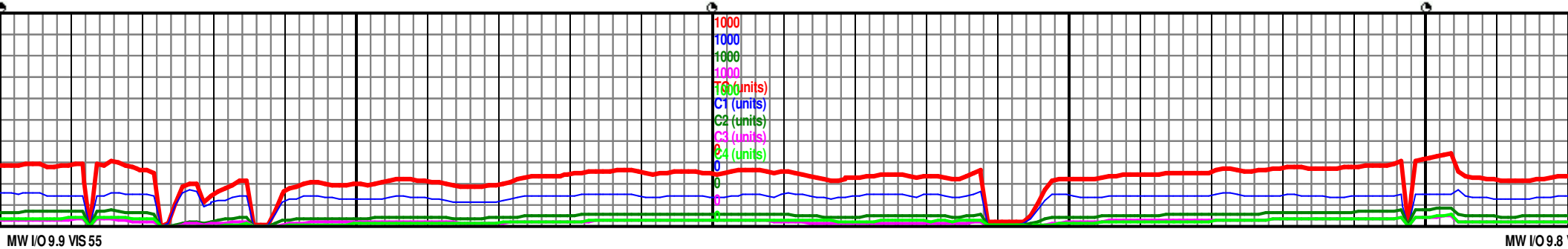
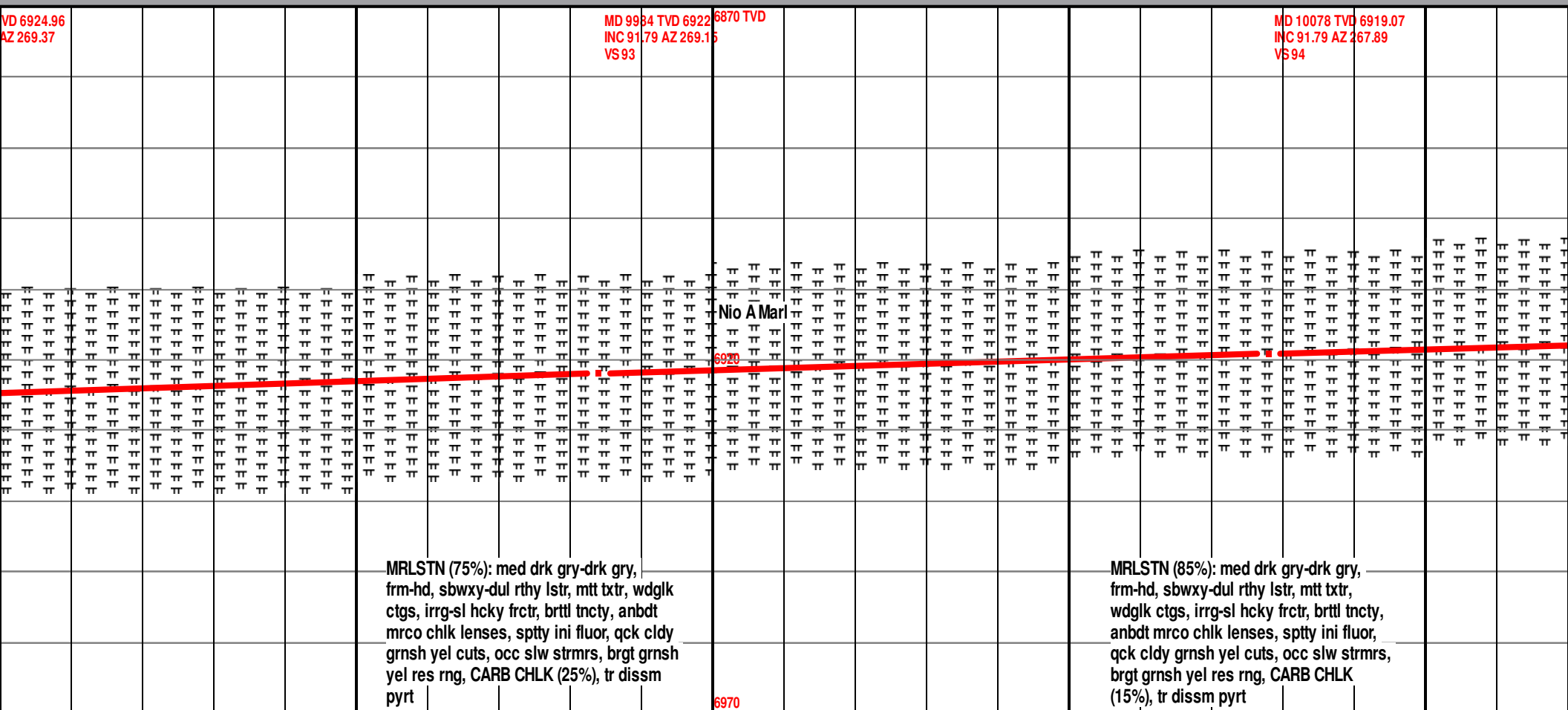
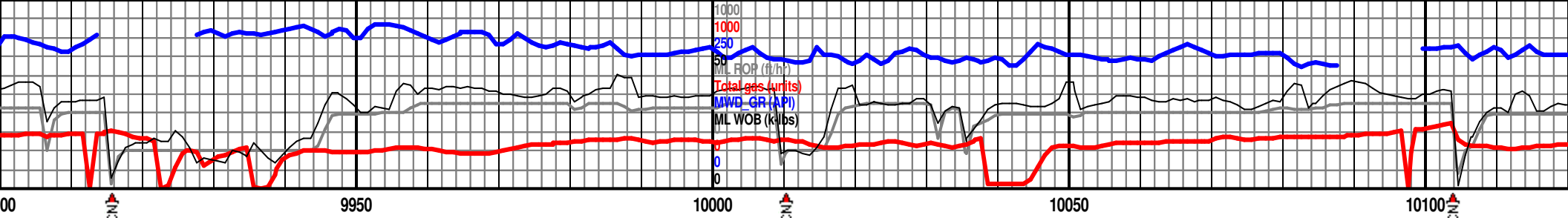


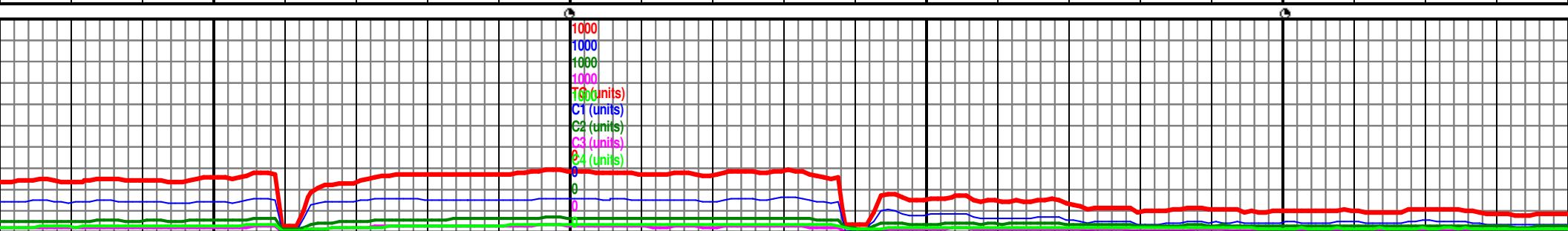
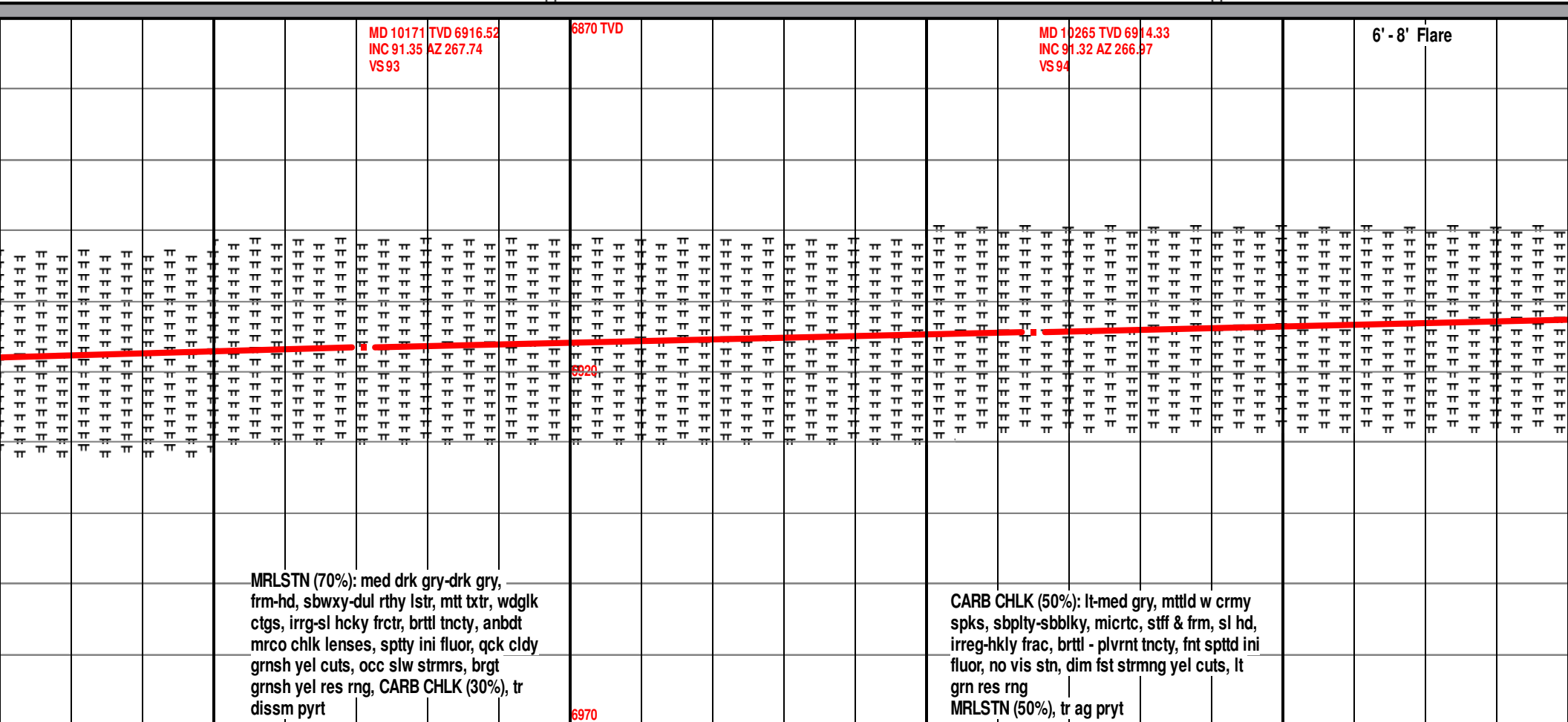
gry blk, frm - hrd, dll  
ctr, sb tblr - wdgk  
occ grds twrd chlk,  
blu grn ct fl, md grn  
y, tr bent

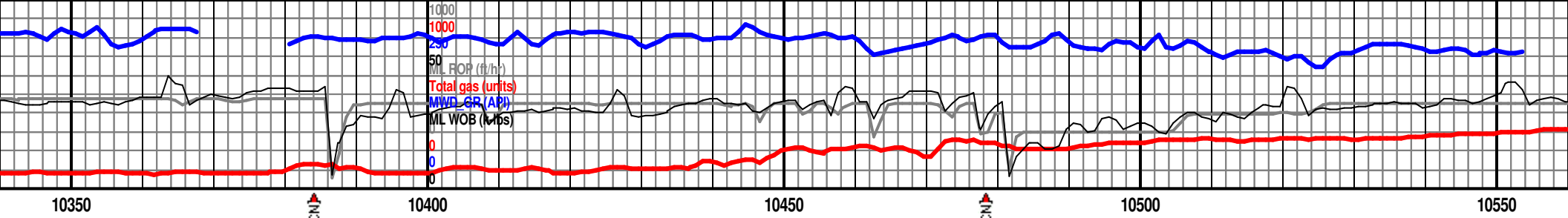
MRLSTN (70%): drk gry - gry blk, frm - hrd, dll  
- sl shny lstr, smth - mtt txtr, sb tblr - wdgk  
ctgs, irrg frctr, brtl tncy, occ grds twrd chlk,  
v sptty wk pri fl, fst mod blu grn ct fl, md grn  
rsd fl.  
CHLK(30%), tr frc fill, rr prty, tr bent

MRLSTN (70%): drk gry - gry blk, frm - hrd, dll - sl shny lstr, smth - mtt txtr, sb tblr - wdgk ctgs, irrg frctr, brtl tncy, occ grds twrd chlk, v sptty wk pri fl, fst mod blu grn ct fl, md grn rsd fl.  
CHLK(30%), tr frc fill, rr prty, tr bent

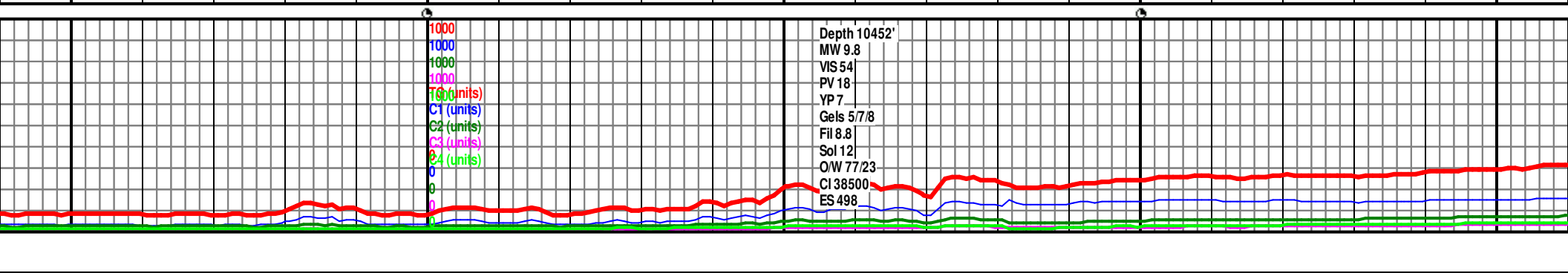


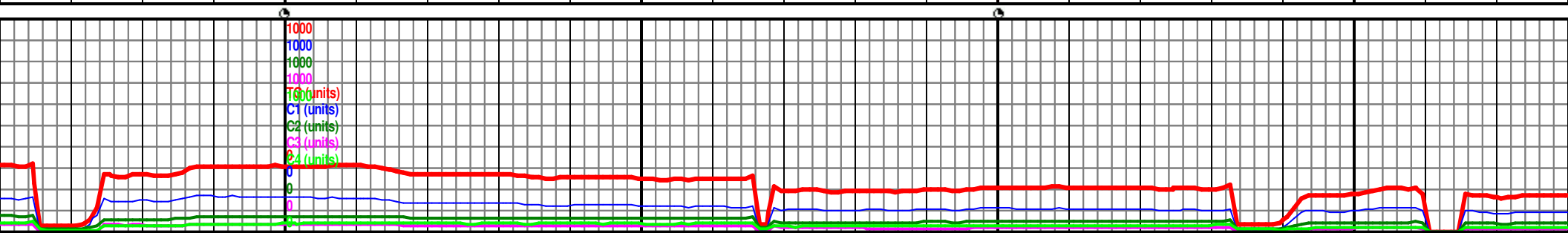
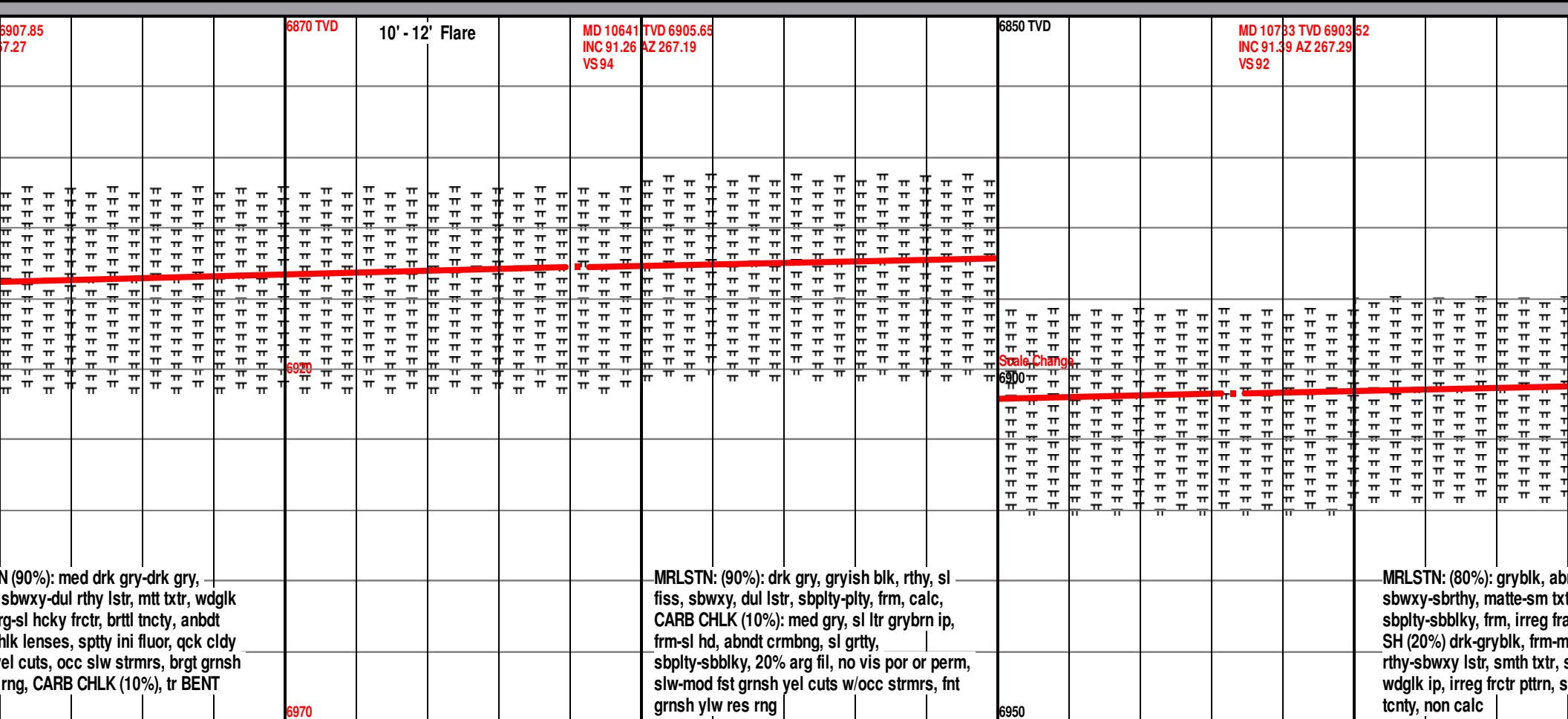


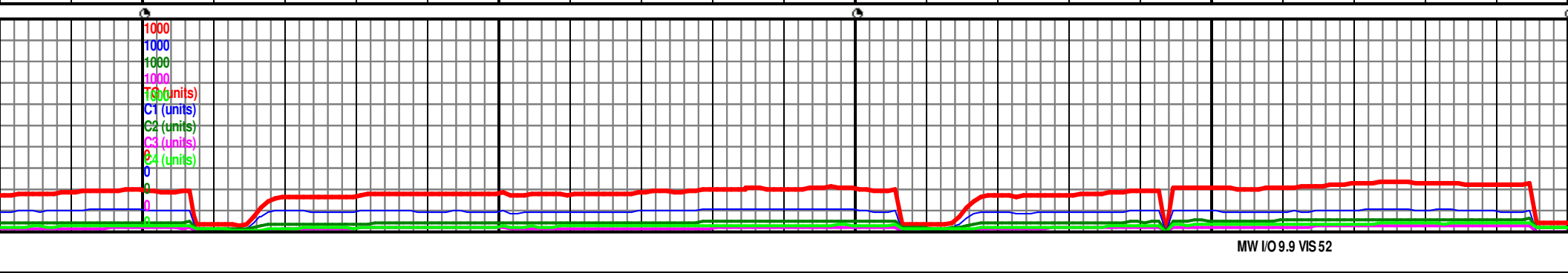
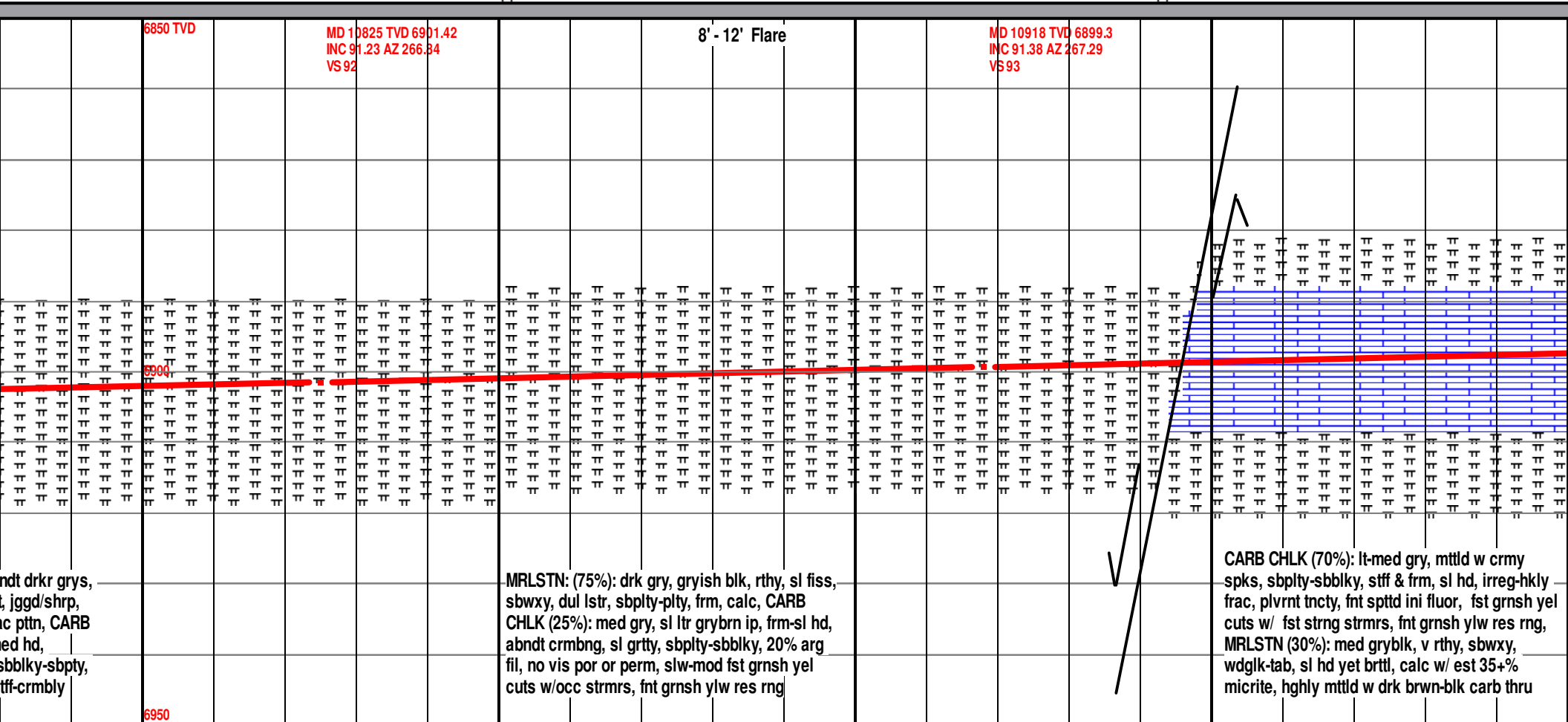
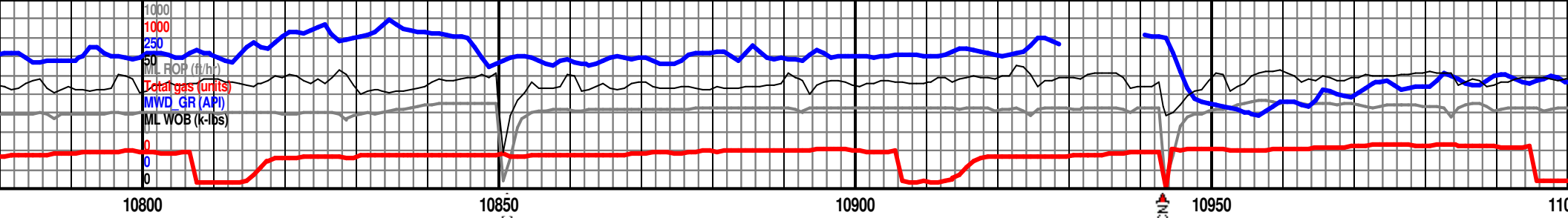


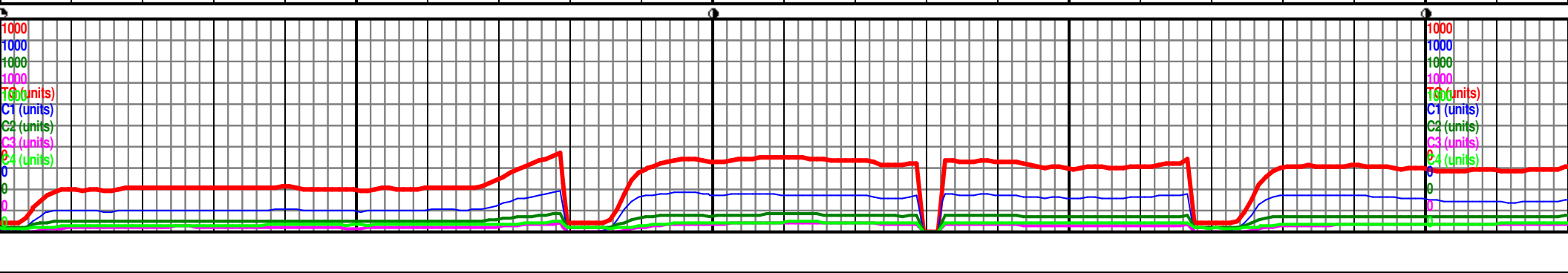
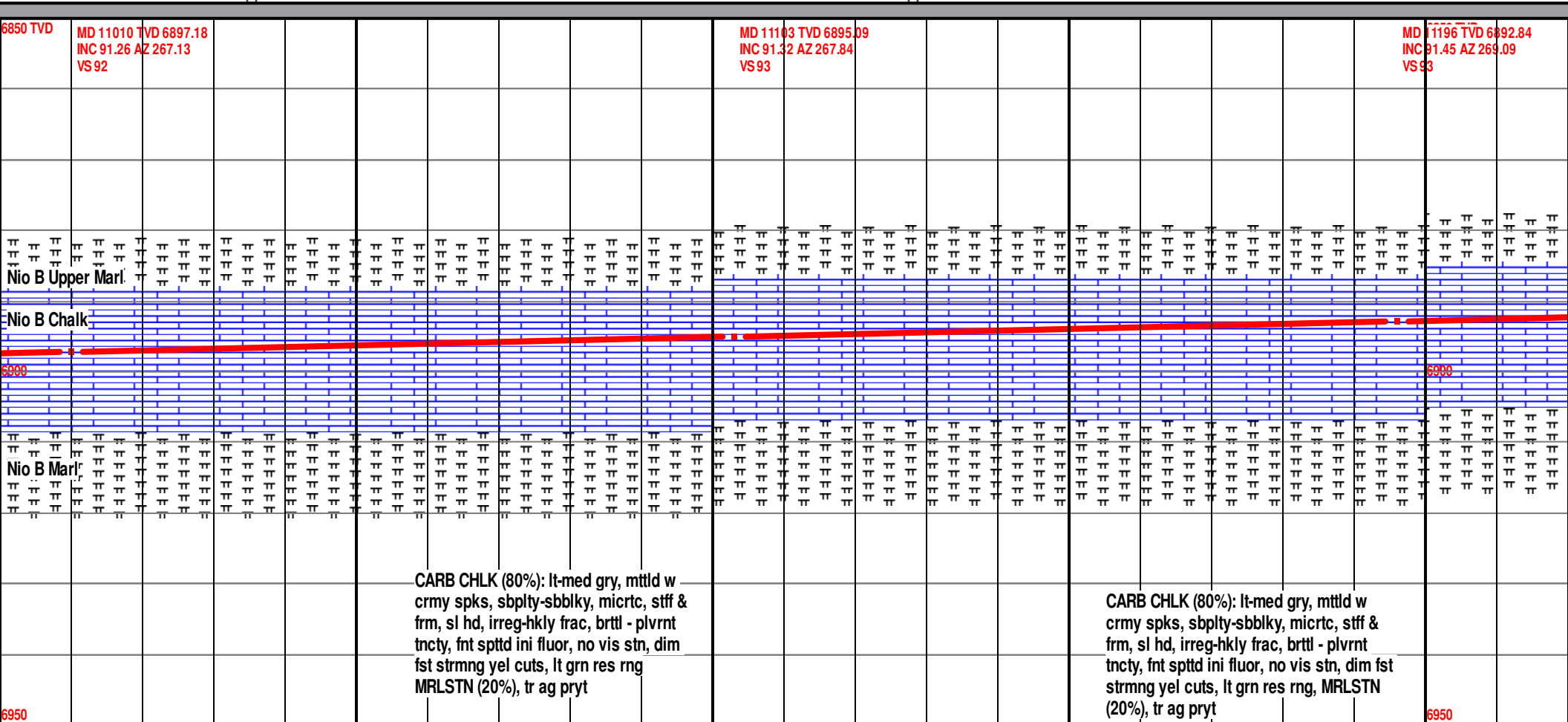
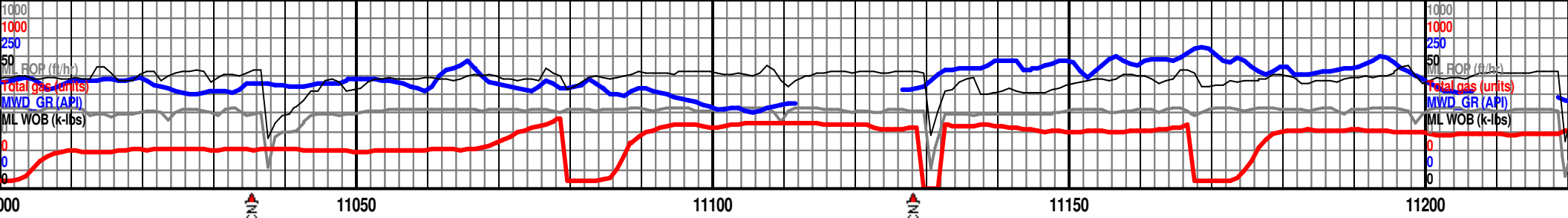


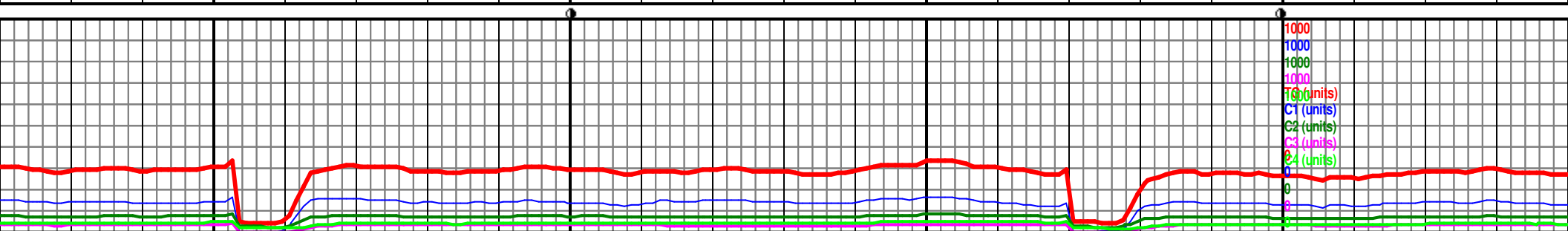
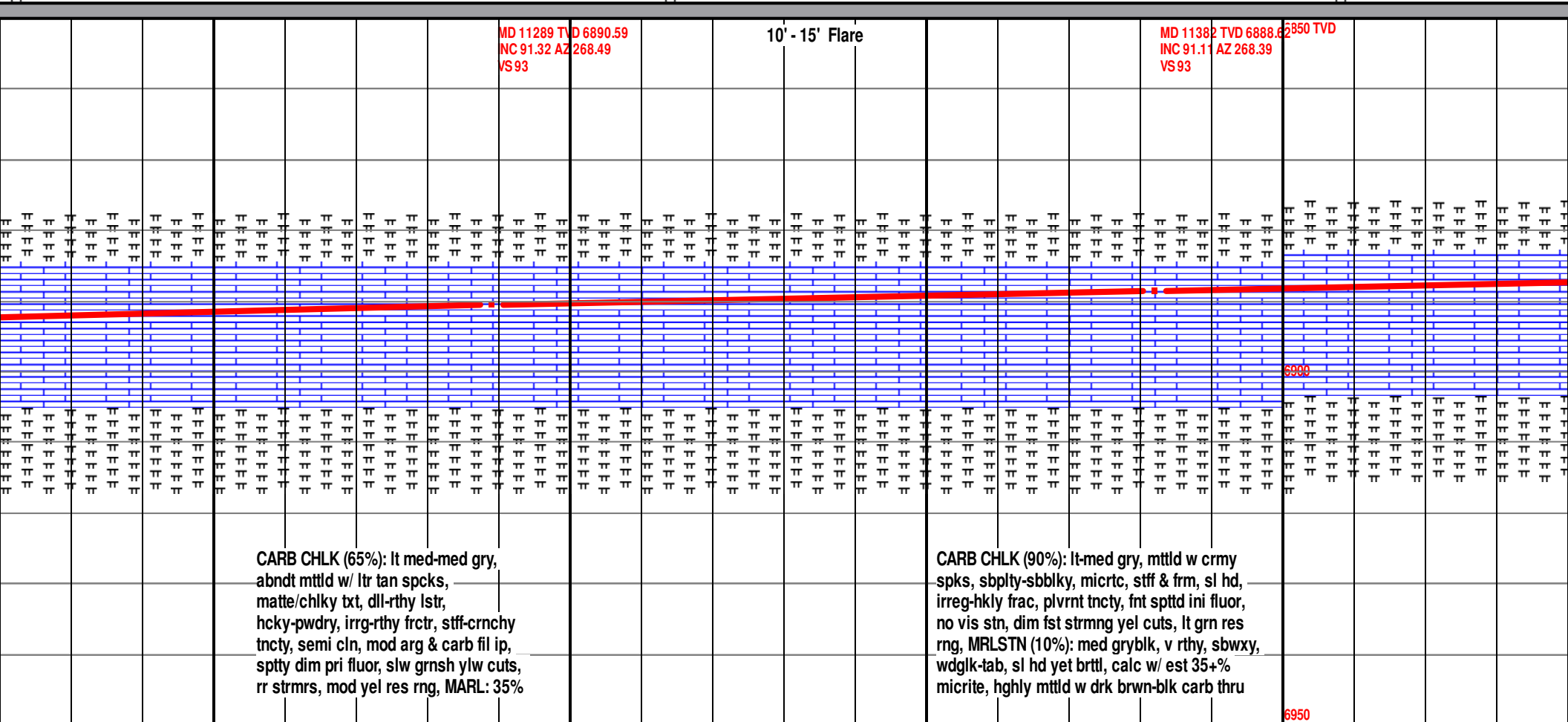
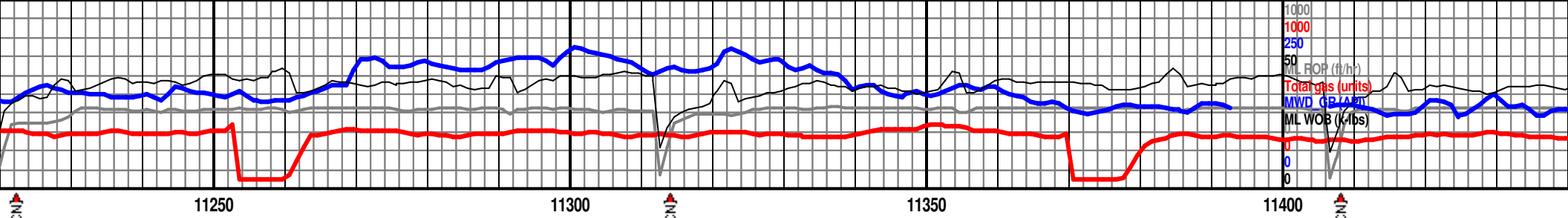
MD 10358 TVD 6912.23 INC 91.26 AZ 267.46 VS 93										6870 TVD										MD 10452 TVD 6910.12 INC 91.32 AZ 267.28 VS 94										MD 10547 TVD INC 91.42 AZ 267.28 VS 95									
MRLSTN (85%): med drk gry-drk gry, frm-hd, sbwxy-dul rthy lstr, mtt txtr, wdgk ctgs, irrg-sl hcky frctr, brttl tncty, anbd mrco chlk lenses, sptty ini fluor, qck cldy grnsh yel cuts, occ slw strms, brgt grnsh yel res rng, CARB CHLK (15%), tr diss pyrt										MRLSTN (95%): med drk gry-drk gry, frm-hd, sbwxy-dul rthy lstr, mtt txtr, wdgk ctgs, irrg-sl hcky frctr, brttl tncty, anbd mrco chlk lenses, sptty ini fluor, qck cldy grnsh yel cuts, occ slw strms, brgt grnsh yel res rng, CARB CHLK (5%), AA										MRLSTN (95%): med drk gry-drk gry, frm-hd, sbwxy-dul rthy lstr, mtt txtr, wdgk ctgs, irrg-sl hcky frctr, brttl tncty, anbd mrco chlk lenses, sptty ini fluor, qck cldy grnsh yel cuts, occ slw strms, brgt grnsh yel res rng, CARB CHLK (5%), AA										MRLSTN (95%): med drk gry-drk gry, frm-hd, sbwxy-dul rthy lstr, mtt txtr, wdgk ctgs, irrg-sl hcky frctr, brttl tncty, anbd mrco chlk lenses, sptty ini fluor, qck cldy grnsh yel cuts, occ slw strms, brgt grnsh yel res rng, CARB CHLK (5%), AA									



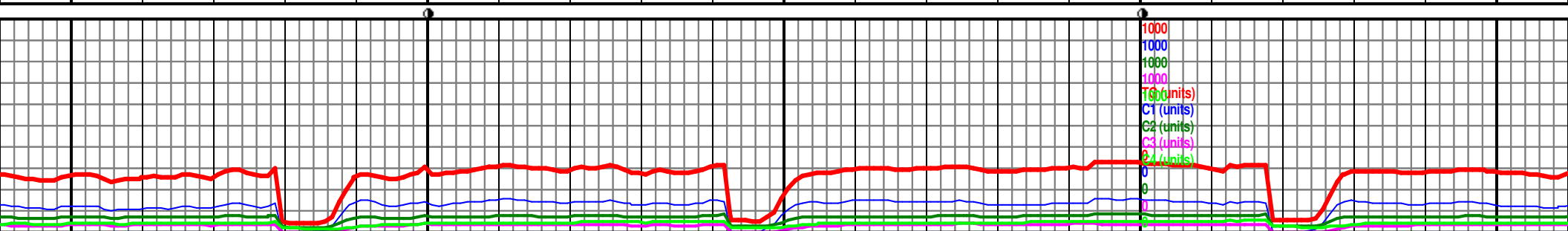
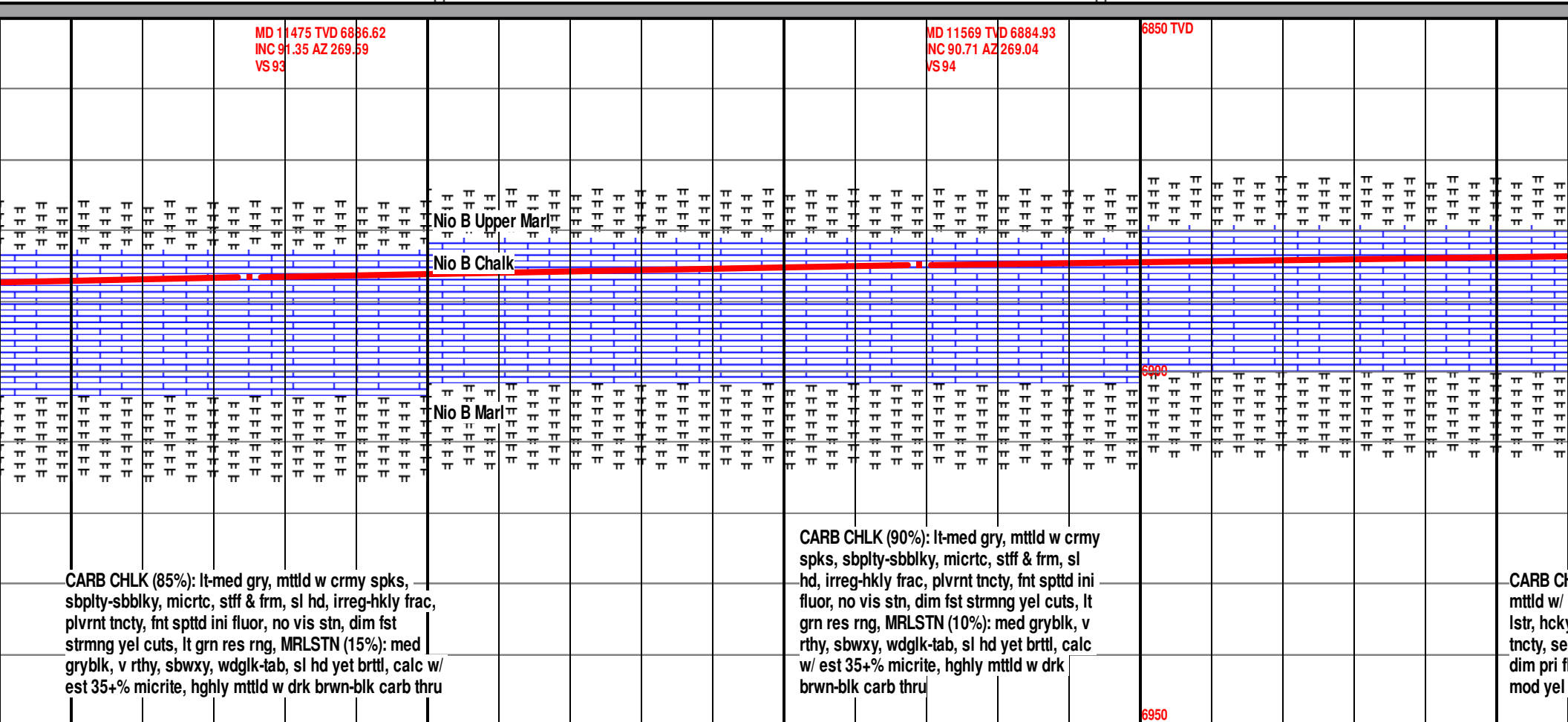


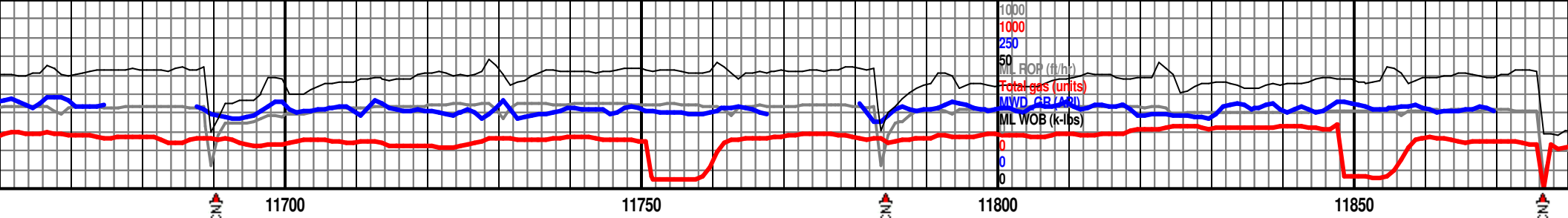












MD 11564 TVD 6883.61  
INC 90.89 AZ 269.4  
VS 95

8' - 12' Flare

MD 11758 TVD 6882.12  
INC 90.92 AZ 269.55  
VS 94

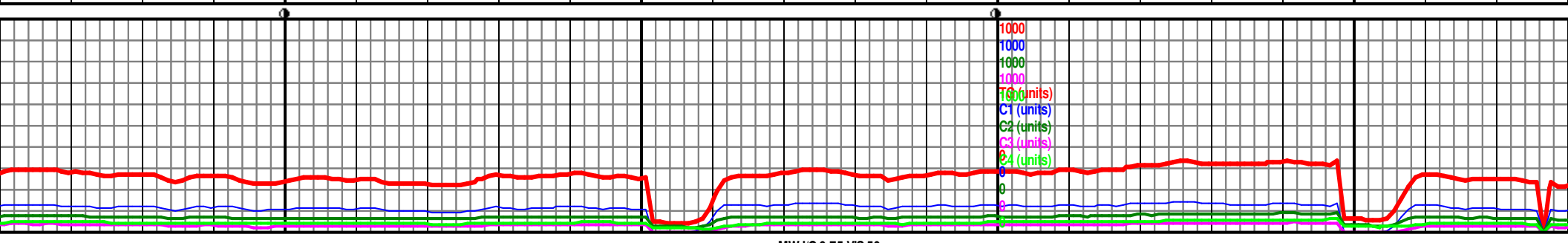
6850 TVD

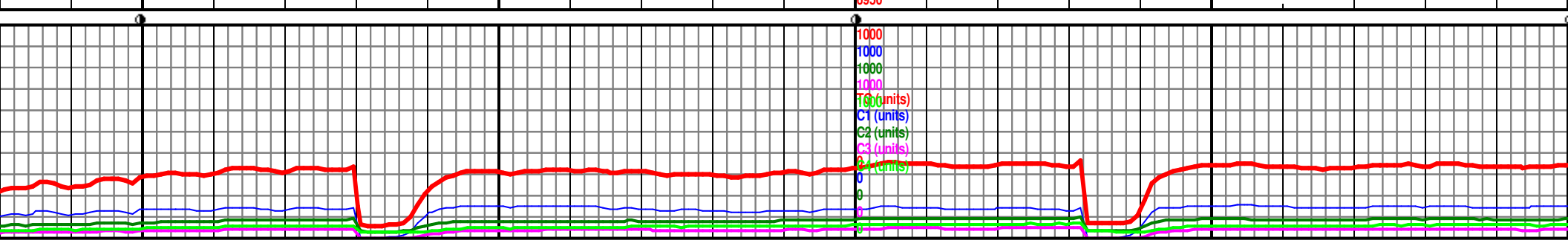
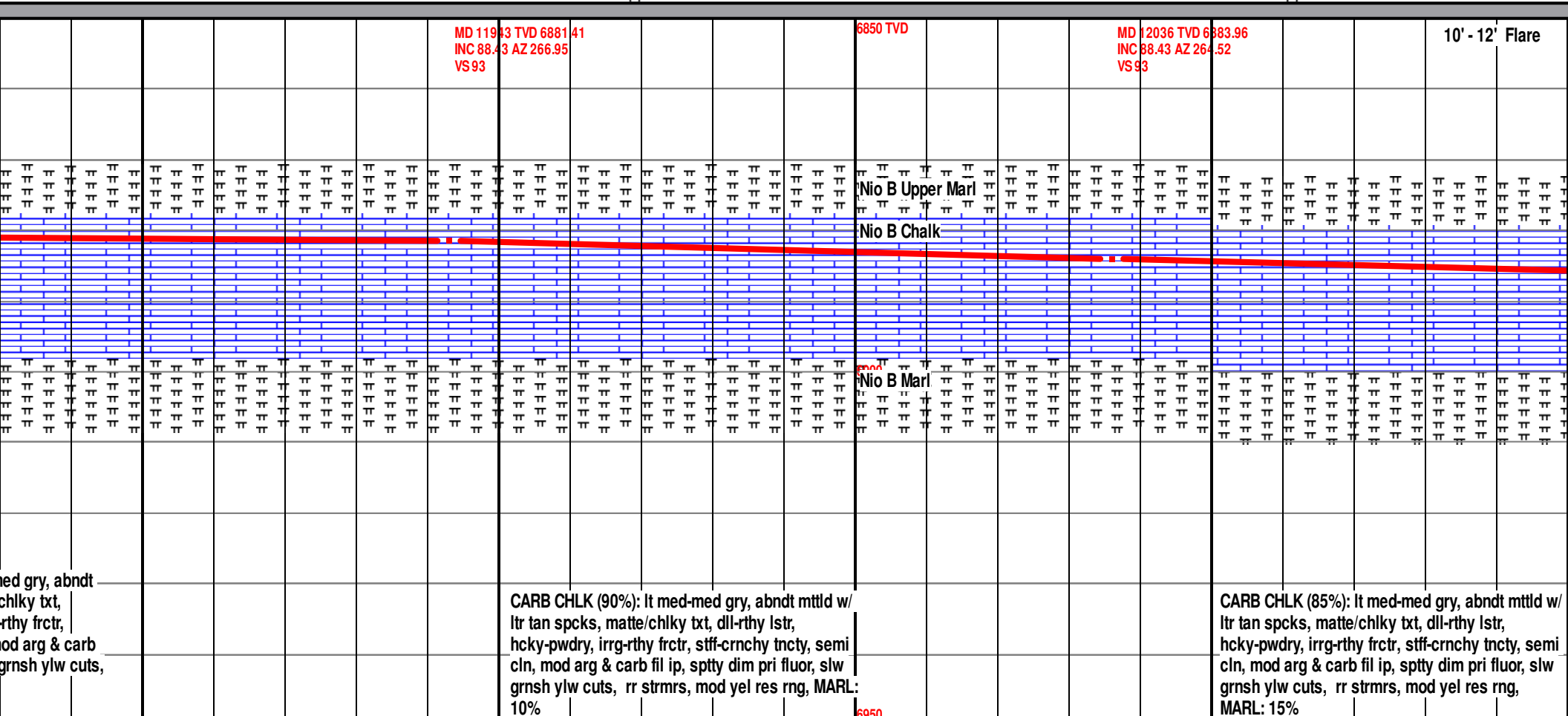
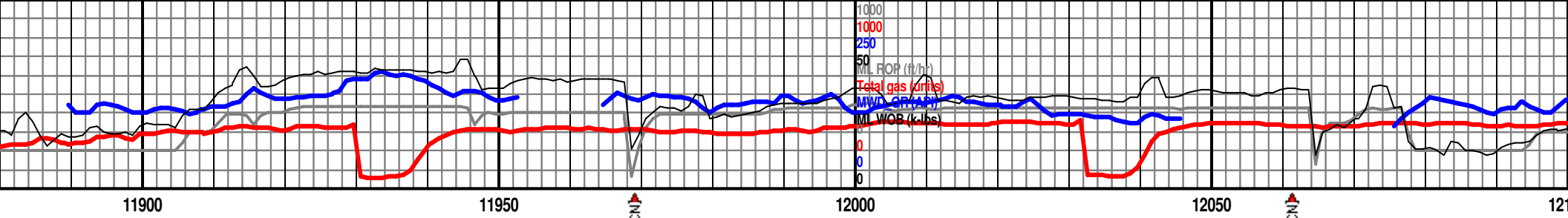
MD 11850 TVD 6880.76  
INC 90.77 AZ 268.54  
VS 92

CHLK (95%): lt med-med gry, abndt  
ltr tan spcks, matte/chlky txt, dll-rthy  
y-pwdry, irrg-rthy frctr, stff-crncy  
mi cln, mod arg & carb fil ip, sppty  
luor, slw grnsh ylw cuts, rr strmr, r  
res rng, MARL: AA (5%)

CARB CHLK (100%): lt med-med gry, abndt  
mtld w/ ltr tan spcks, matte/chlky txt,  
dll-rthy lstr, hcky-pwdry, irrg-rthy frctr,  
stff-crncy tncy, semi cln, mod arg & carb  
fil ip, sppty dim pri fluor, slw grnsh ylw  
cuts, rr strmr, mod yel res rng

CARB CHLK (100%): lt med-med gry, abndt  
mtld w/ ltr tan spcks, matte/chlky txt,  
dll-rthy lstr, hcky-pwdry, irrg-rthy frctr,  
stff-crncy tncy, semi cln, mod arg & carb  
fil ip, sppty dim pri fluor, slw grnsh ylw  
cuts, rr strmr, mod yel res rng





MD 11943 TVD 6881.41  
INC 88.43 AZ 266.95  
VS 93

6850 TVD

MD 12036 TVD 6883.96  
INC 88.43 AZ 264.52  
VS 93

10' - 12' Flare

Nio B Upper Marl

Nio B Chalk

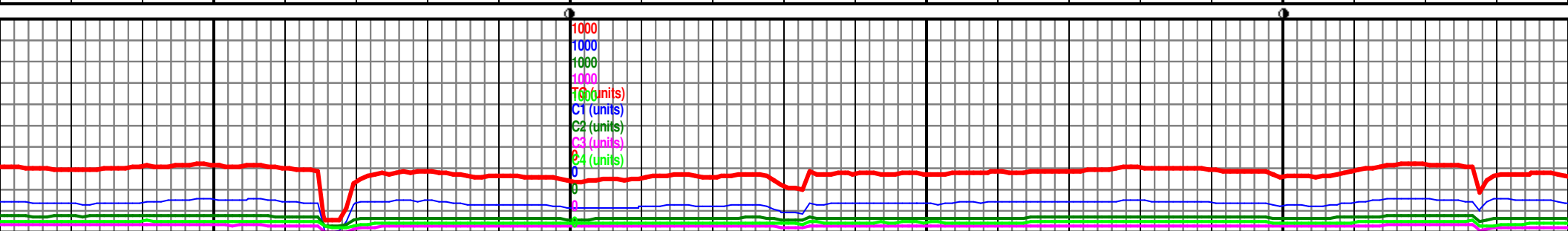
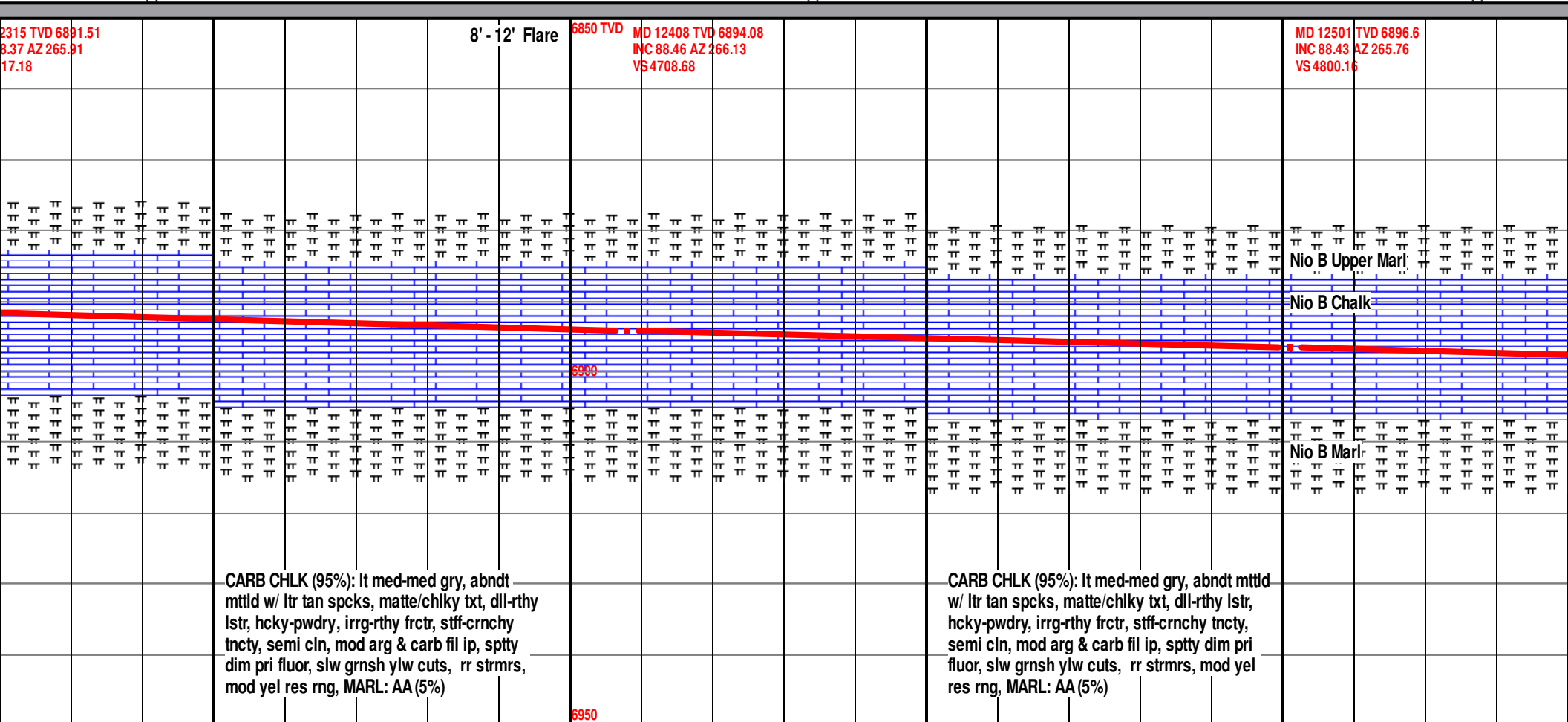
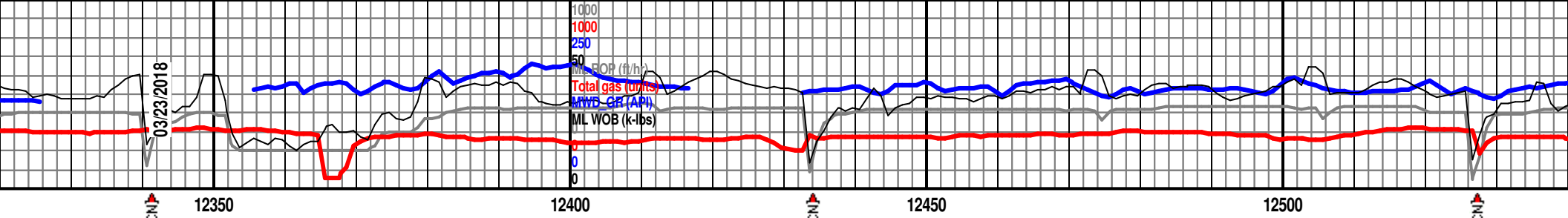
Nio B Marl

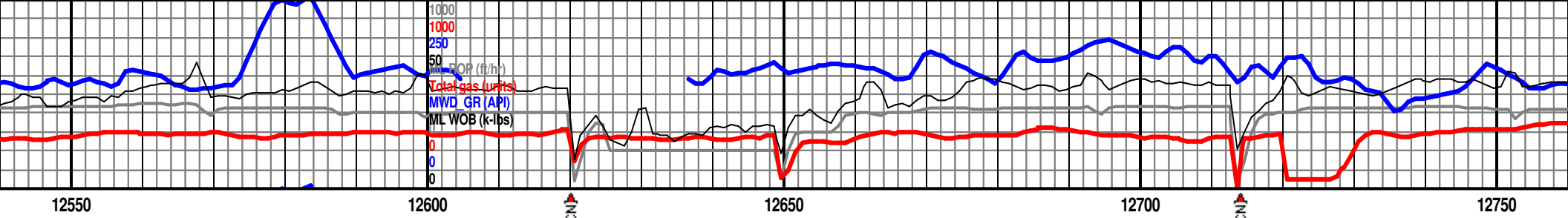
CARB CHLK (90%): It med-med gry, abndt mttld w/ ltr tan spcks, matte/chlky txt, dll-rthy lstr, hcky-pwdry, irrg-rthy frctr, stff-crncy tncty, semi cln, mod arg & carb fil ip, spty dim pri fluor, slw grnsh ylw cuts, rr strms, mod yel res rng, MARL: 10%

CARB CHLK (85%): It med-med gry, abndt mttld w/ ltr tan spcks, matte/chlky txt, dll-rthy lstr, hcky-pwdry, irrg-rthy frctr, stff-crncy tncty, semi cln, mod arg & carb fil ip, spty dim pri fluor, slw grnsh ylw cuts, rr strms, mod yel res rng, MARL: 15%

6950



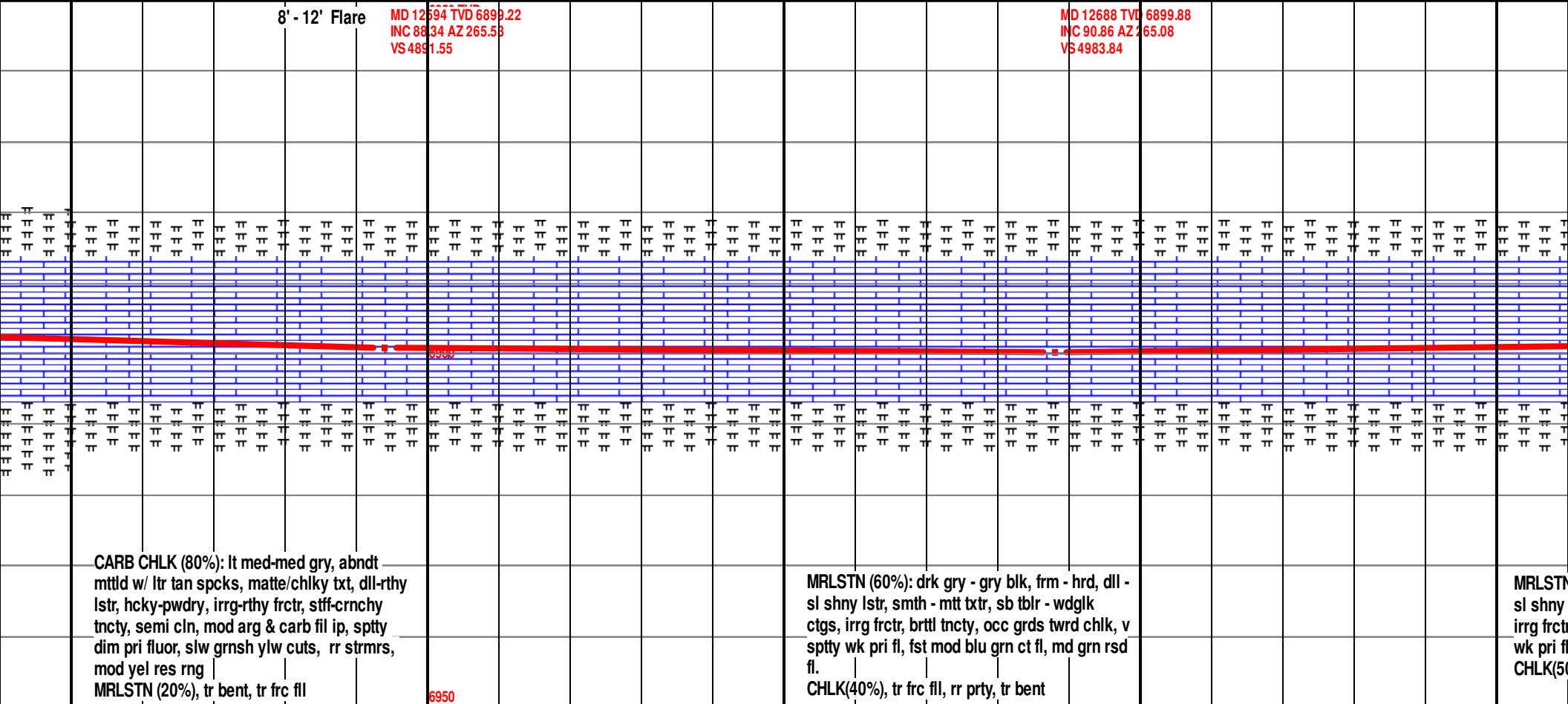




8' - 12' Flare

MD 12594 TVD 6899.22  
INC 88.34 AZ 265.53  
VS 4891.55

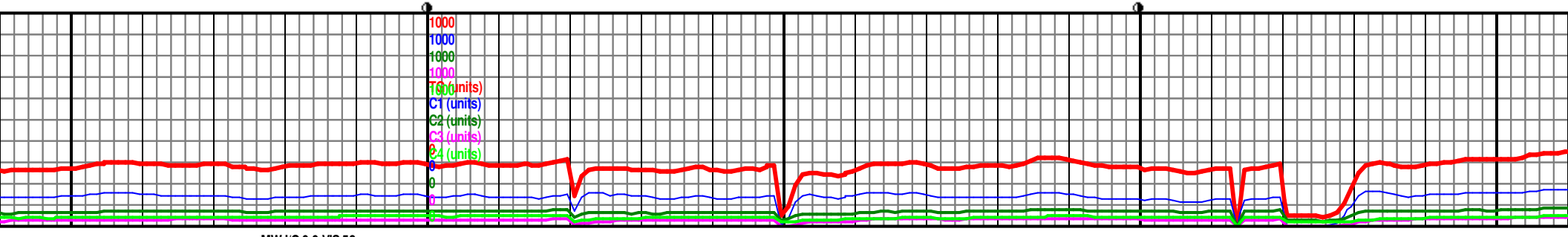
MD 12688 TVD 6899.88  
INC 90.86 AZ 265.08  
VS 4983.84

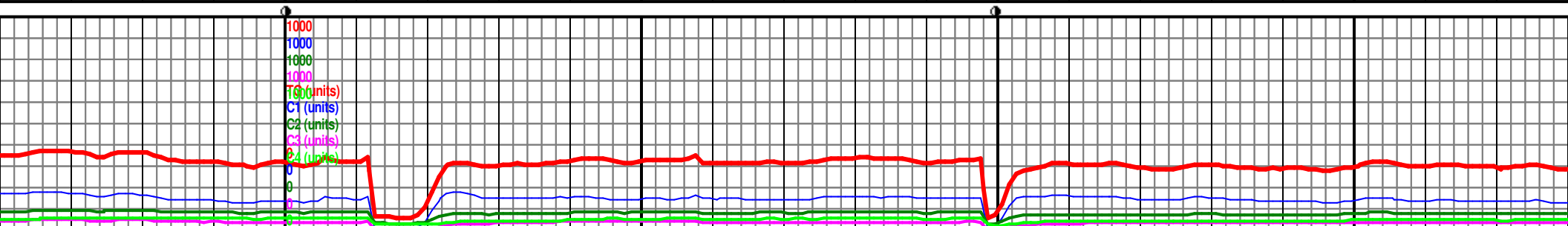
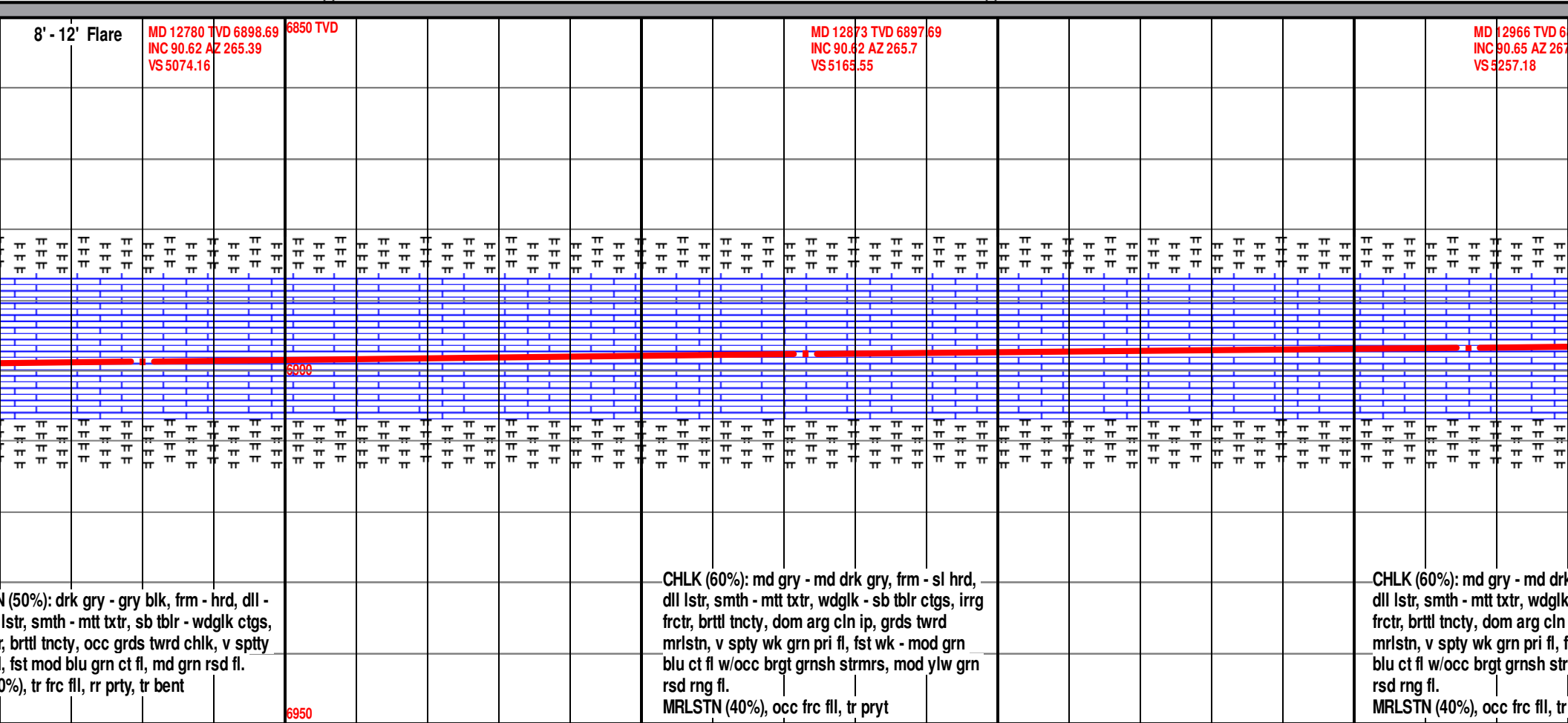


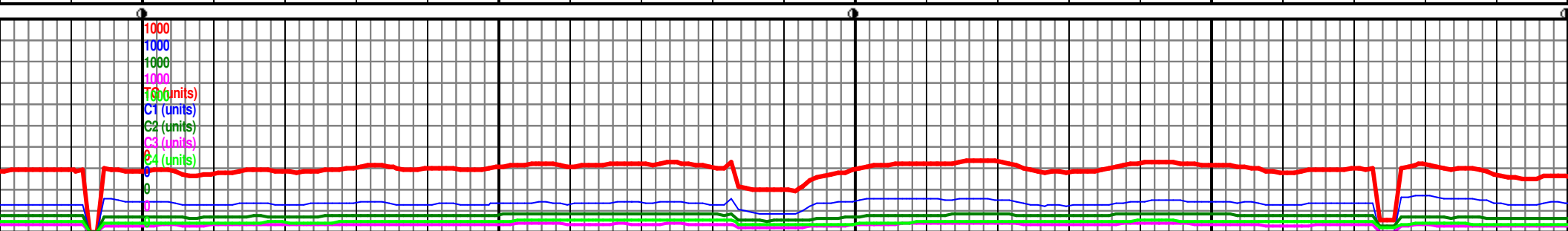
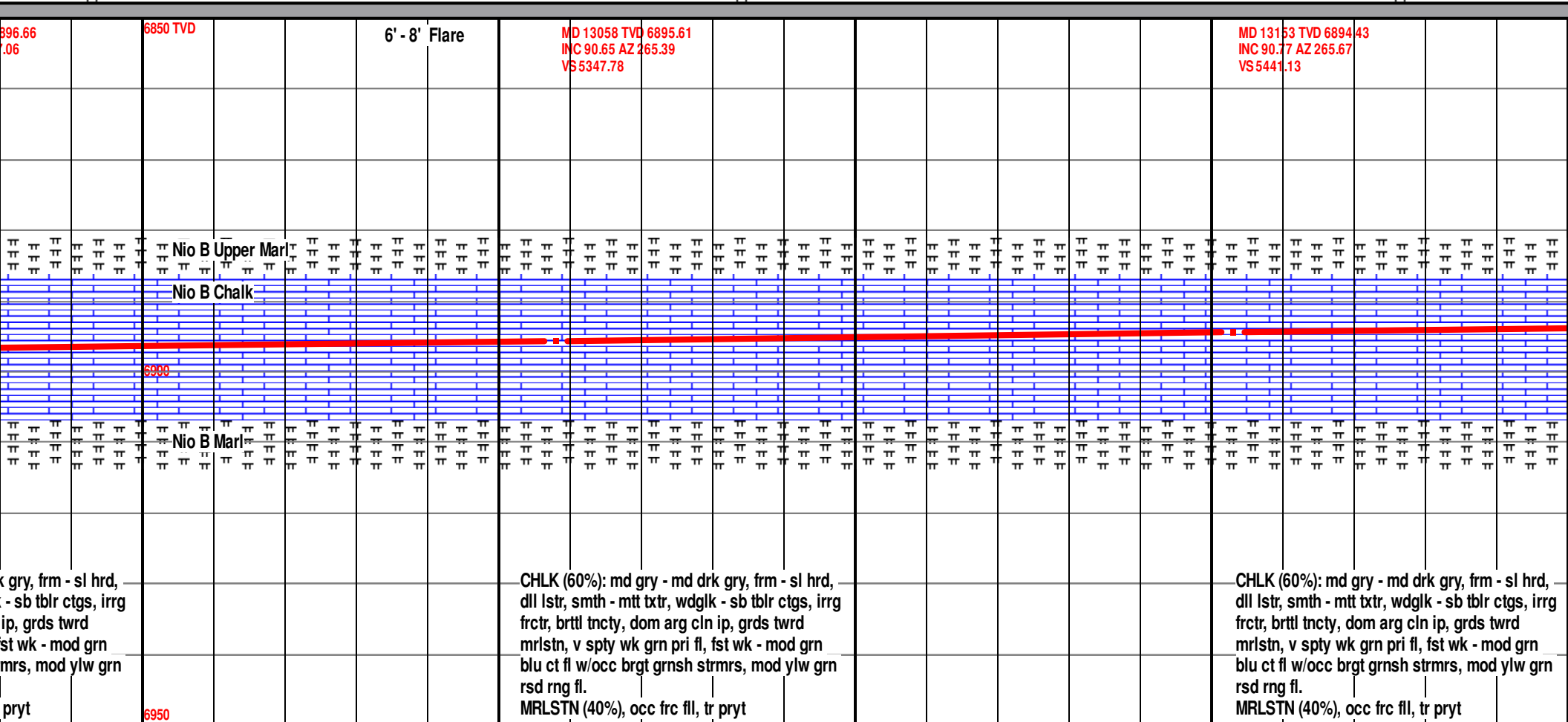
CARB CHLK (80%): lt med-med gry, abndt  
mtld w/ ltr tan spcks, matte/chlky txt, dll-rthy  
lstr, hcky-pwdry, irrgrthy frctr, stff-crncy  
tncy, semi cln, mod arg & carb fil ip, sppty  
dim pri fluor, slw grnsh ylw cuts, rr strmr,  
mod yel res rng  
MRLSTN (20%), tr bent, tr frc fil

MRLSTN (60%): drk gry - gry blk, frm - hrd, dll -  
sl shny lstr, smth - mtt txtr, sb tblr - wdgk  
ctgs, irrgr frctr, brttl tncy, occ grds twrd chlk, v  
sppty wk pri fl, fst mod blu grn ct fl, md grn rsd  
fl.  
CHLK(40%), tr frc fil, rr prty, tr bent

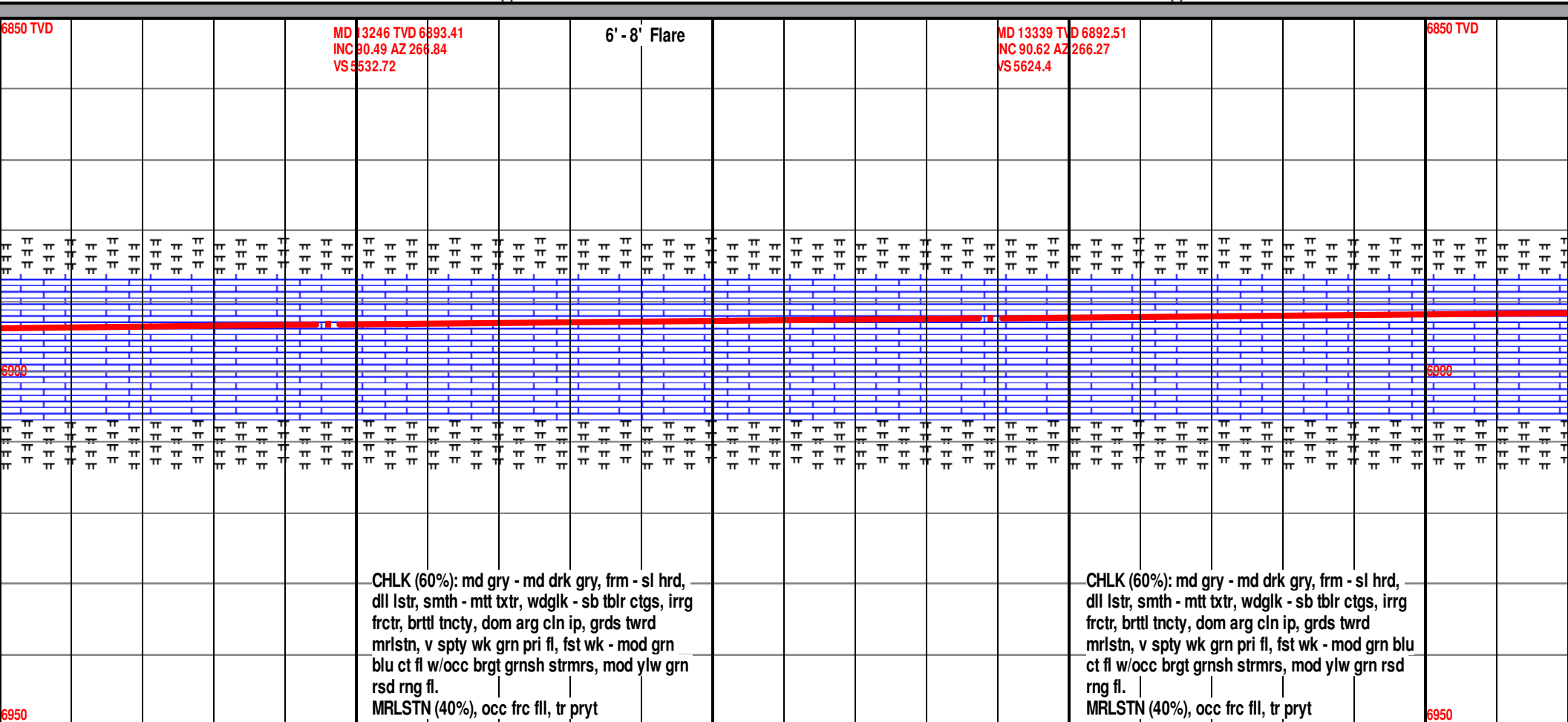
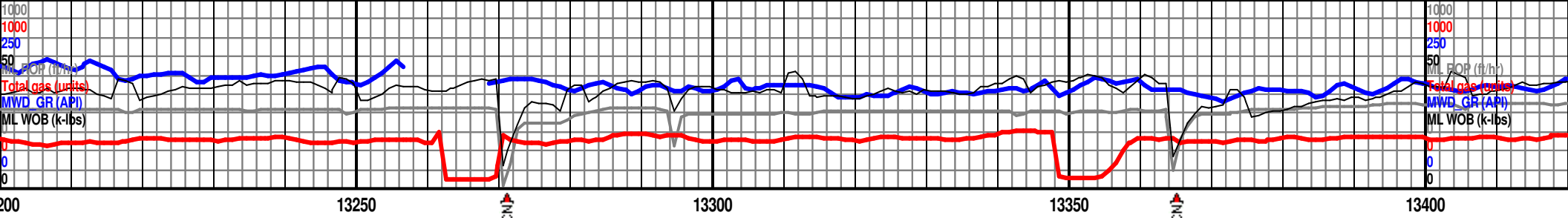
MRLSTN  
sl shny  
irrgr frctr  
wk pri fl  
CHLK(50%)





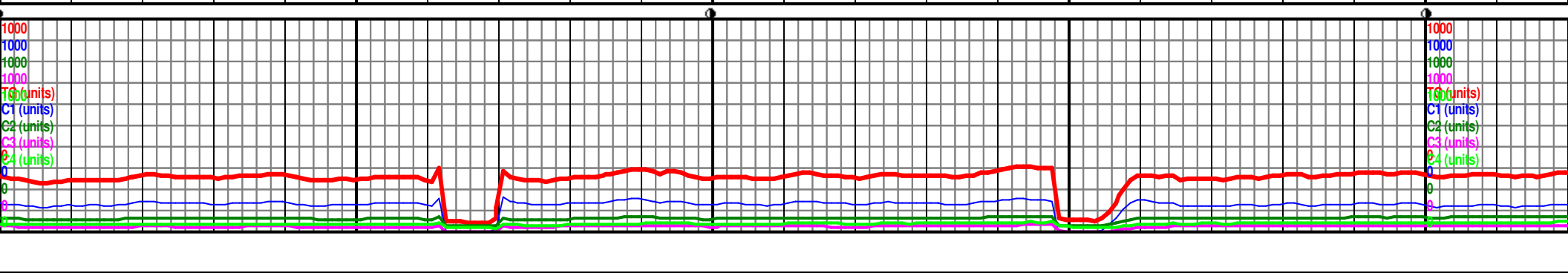


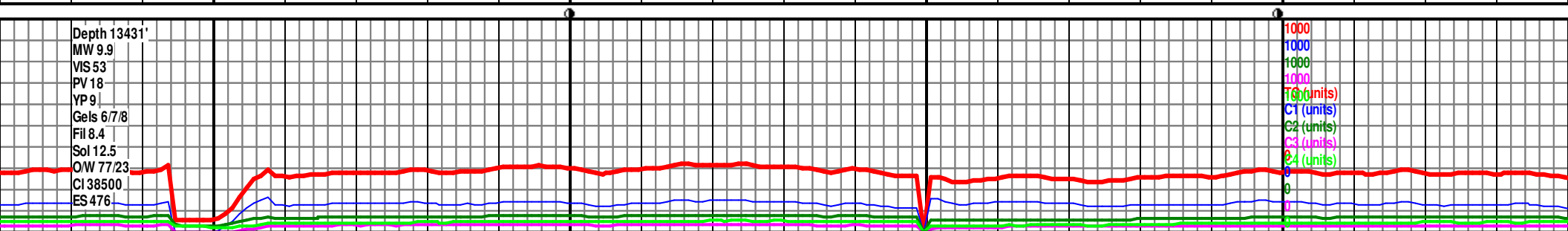
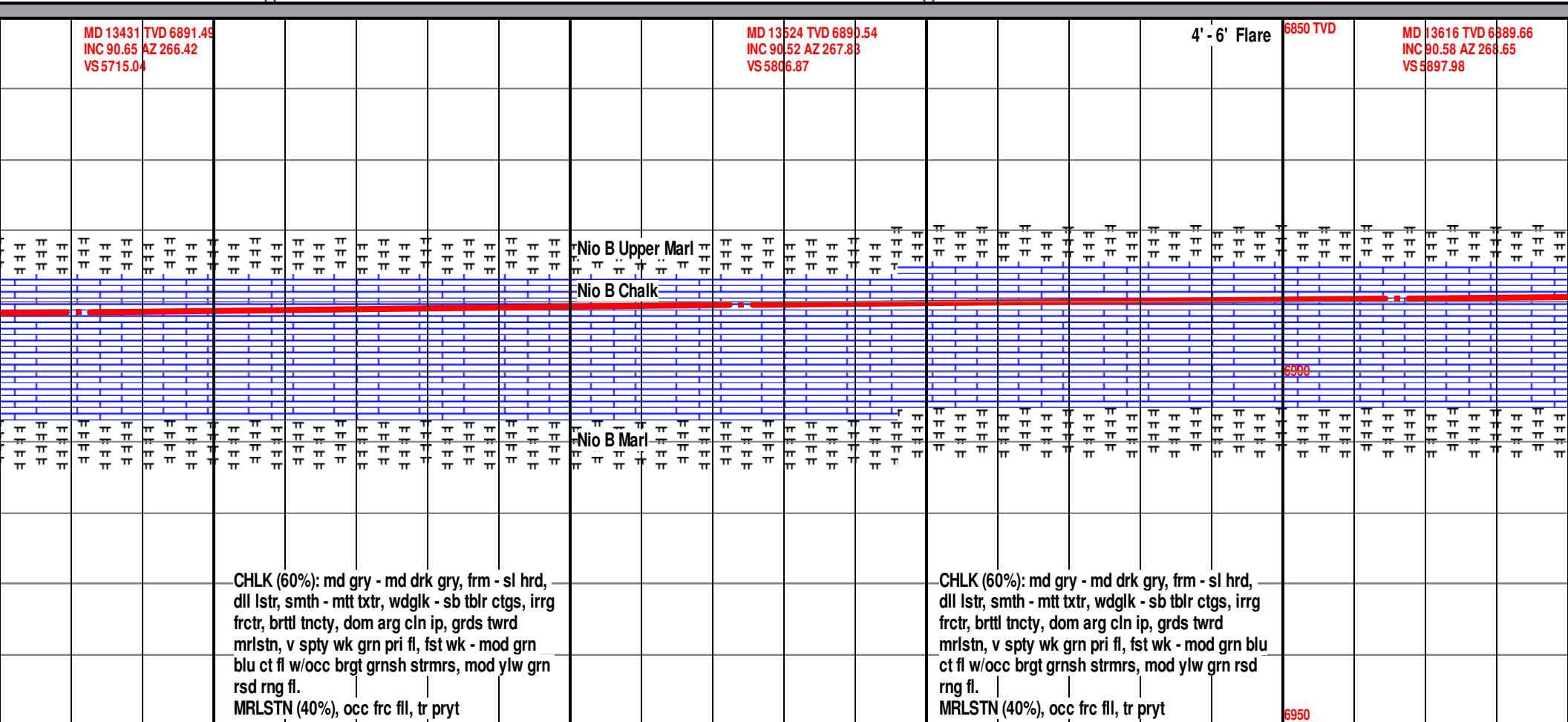
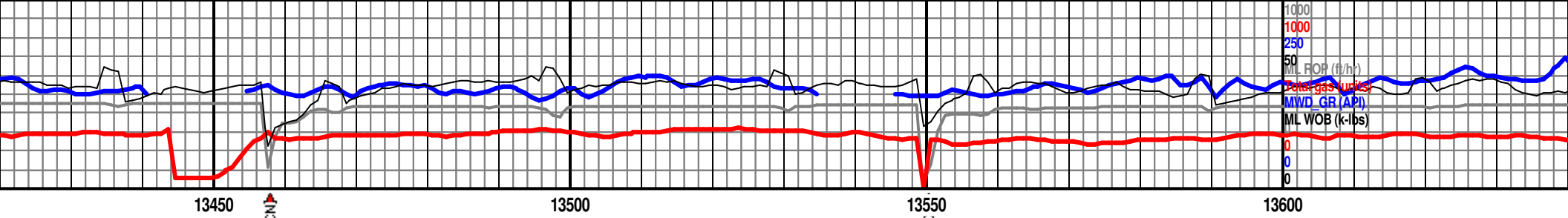


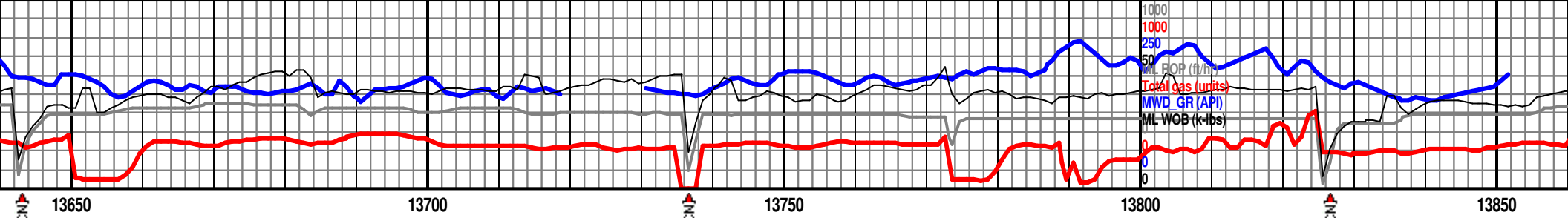


CHLK (60%): md gry - md drk gry, frm - sl hrd,  
dll lstr, smth - mtt txtr, wdgk - sb tblr ctgs, irr  
frctr, brttl tncy, dom arg cln ip, grds twrd  
mrlstn, v spty wk grn pri fl, fst wk - mod grn  
blu ct fl w/occ brgt grnsh strrms, mod ylw grn  
rsd rng fl.  
MRLSTN (40%), occ frc fil, tr pryt

CHLK (60%): md gry - md drk gry, frm - sl hrd,  
dll lstr, smth - mtt txtr, wdgk - sb tblr ctgs, irr  
frctr, brttl tncy, dom arg cln ip, grds twrd  
mrlstn, v spty wk grn pri fl, fst wk - mod grn blu  
ct fl w/occ brgt grnsh strrms, mod ylw grn rsd  
rng fl.  
MRLSTN (40%), occ frc fil, tr pryt

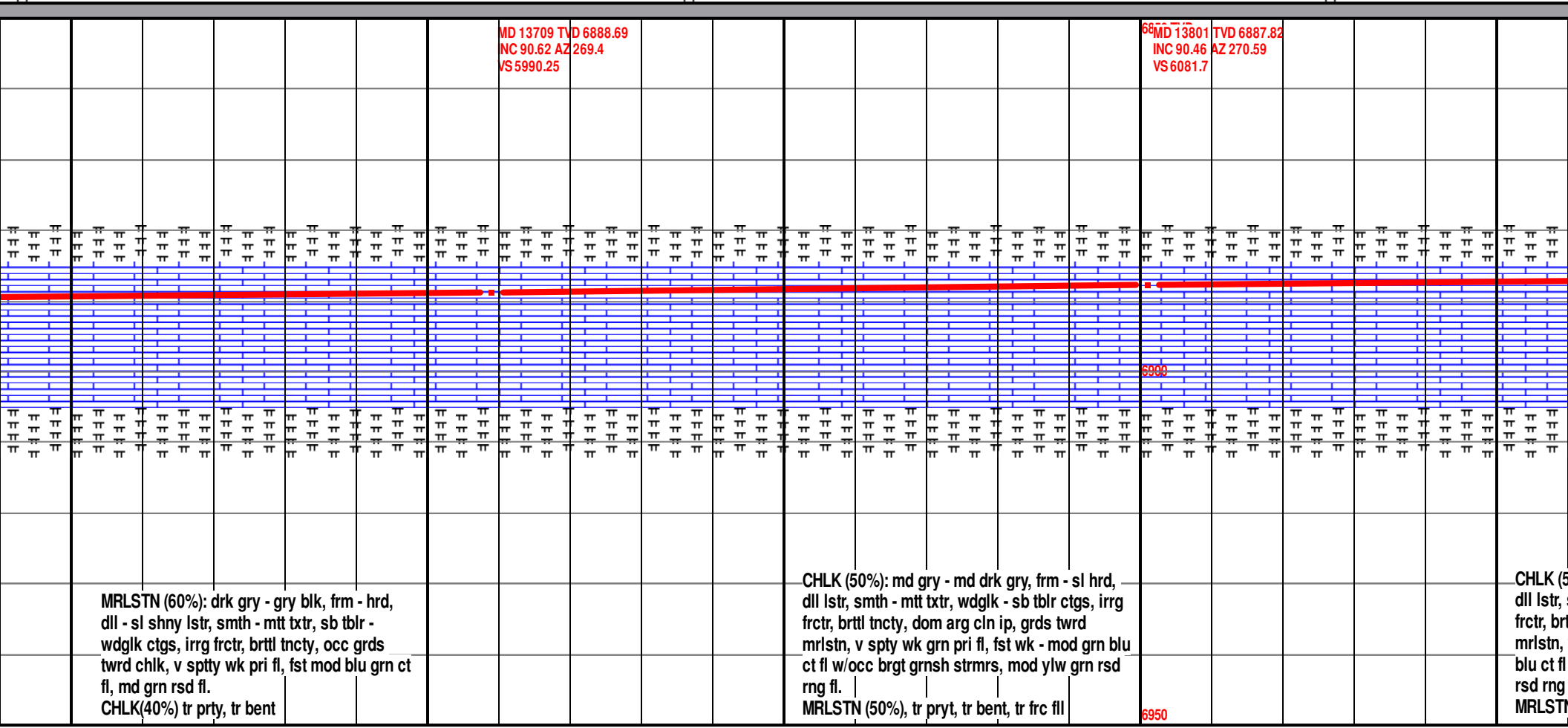






MD 13709 TVD 6888.69  
 NC 90.62 AZ 269.4  
 VS 5990.25

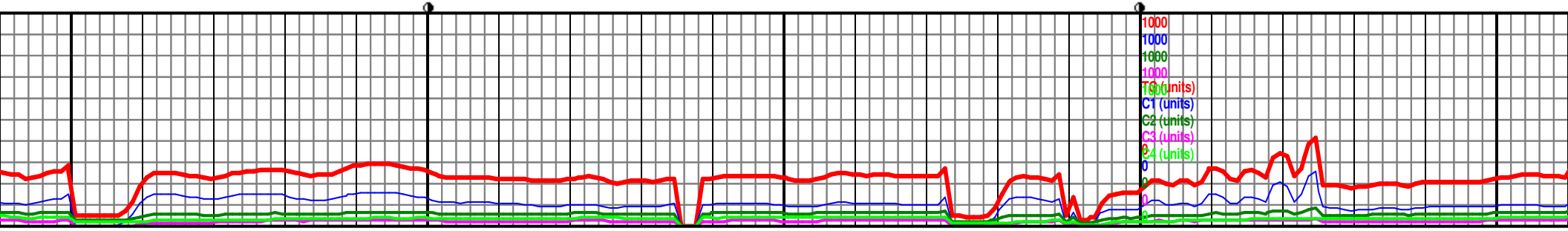
MD 13801 TVD 6887.82  
 INC 90.46 AZ 270.59  
 VS 6081.7

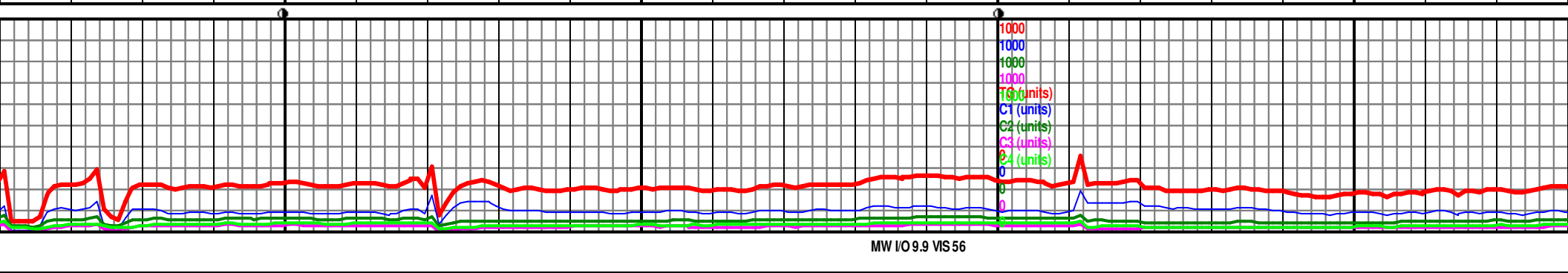
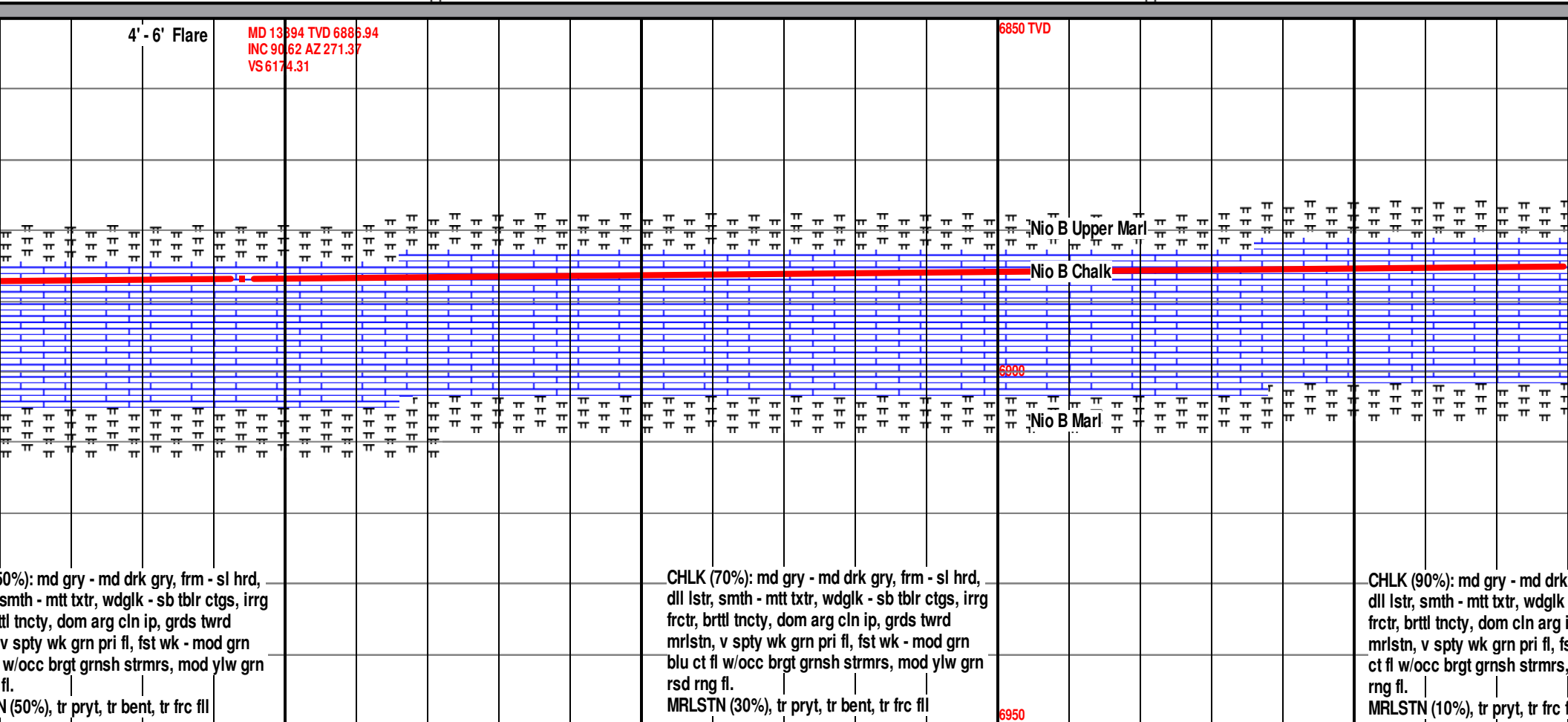
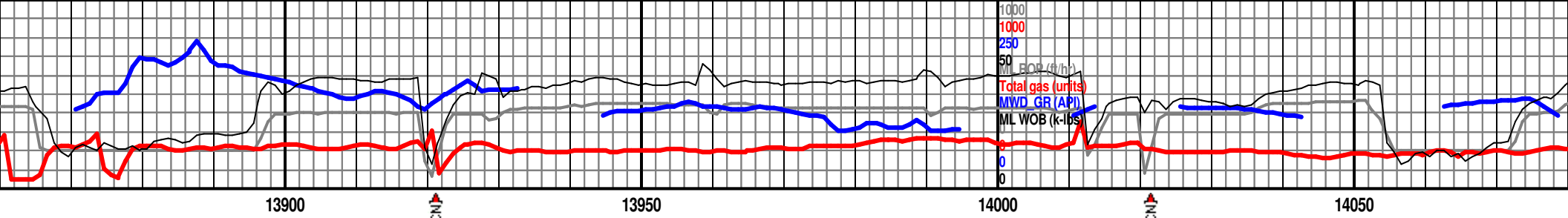


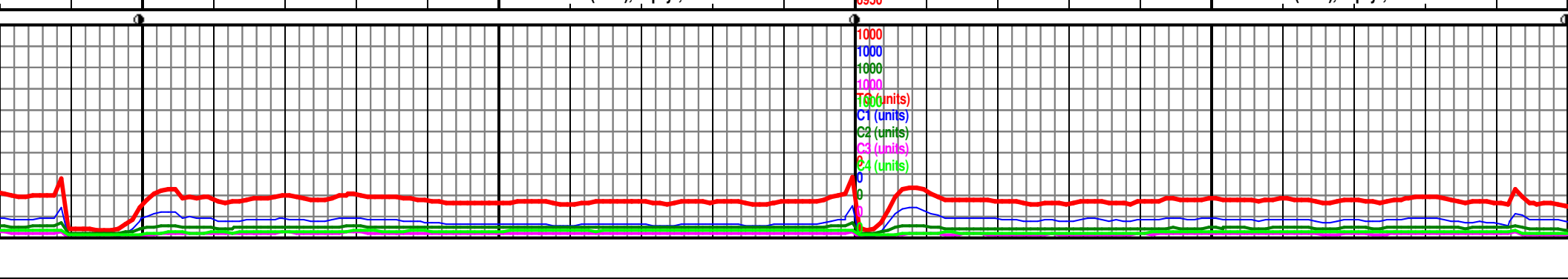
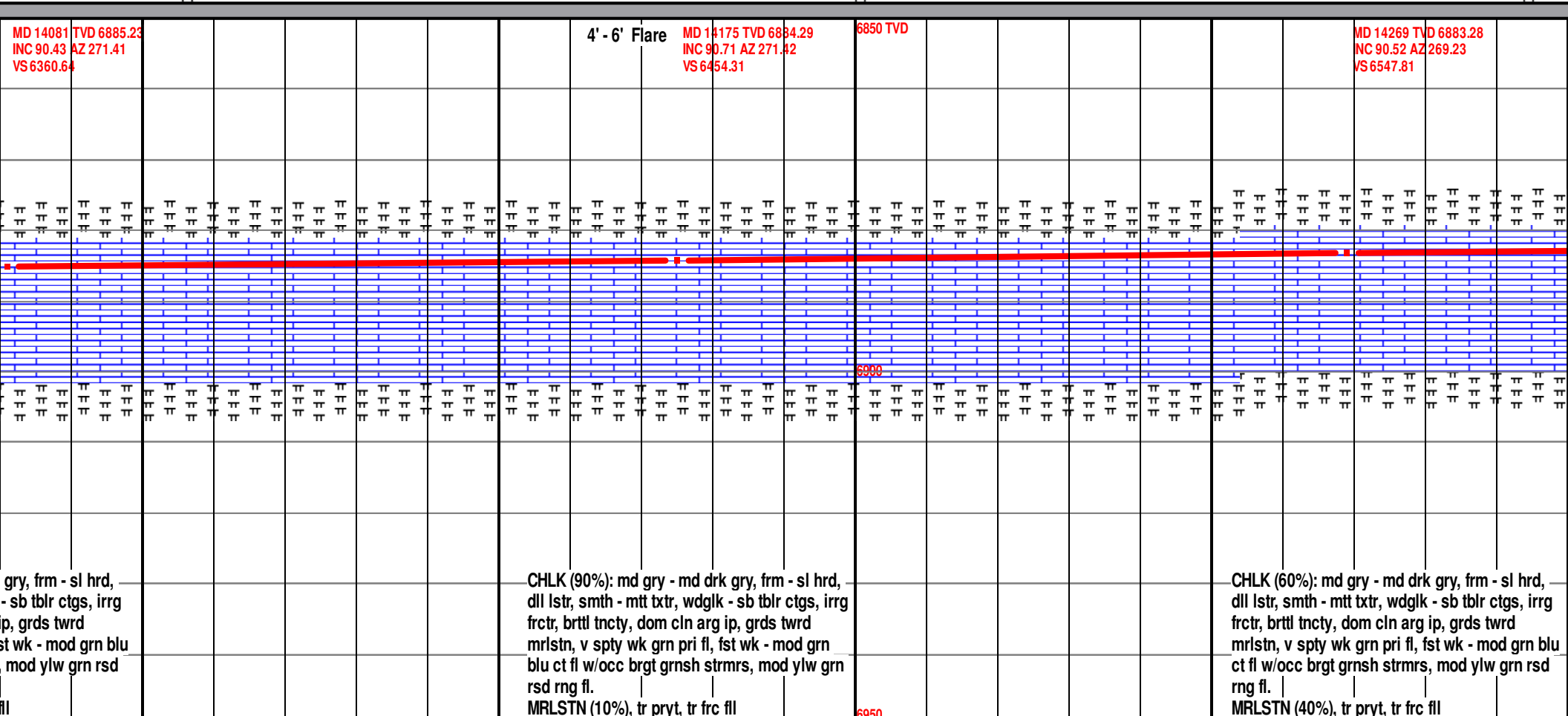
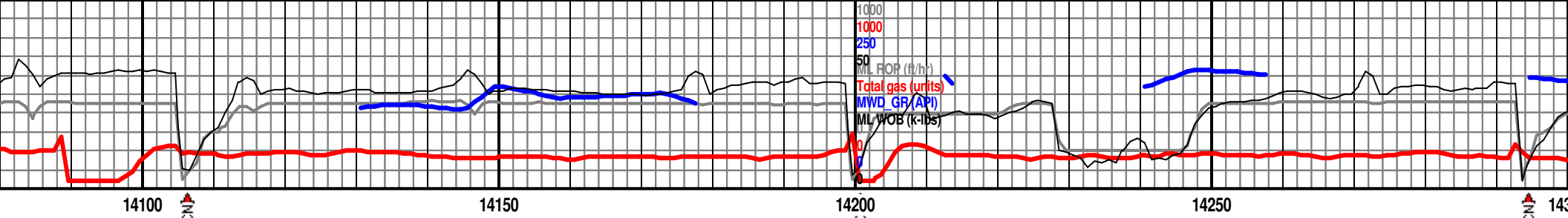
MRLSTN (60%): drk gry - gry blk, frm - hrd,  
 dll - sl shny lstr, smth - mtt txtr, sb tblr -  
 wdgk ctgs, irrgr frctr, brtl tncy, occ grds  
 twrd chlk, v spty wk pri fl, fst mod blu grn ct  
 fl, md grn rsd fl.  
 CHLK(40%) tr prty, tr bent

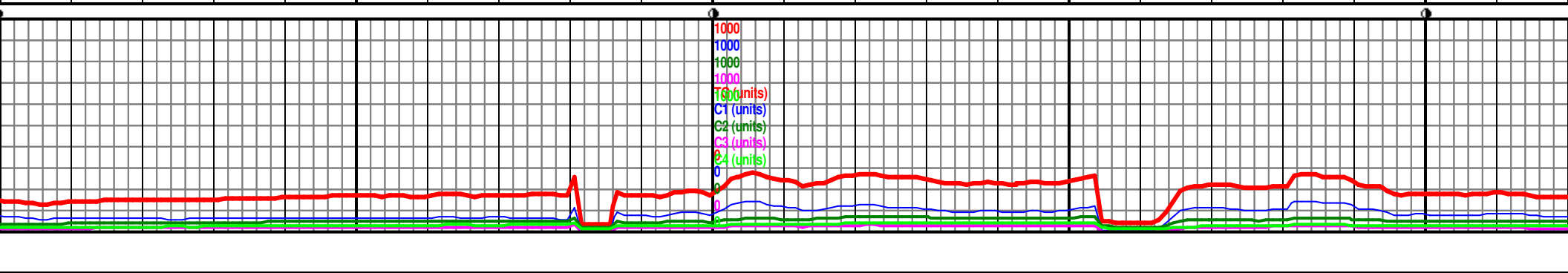
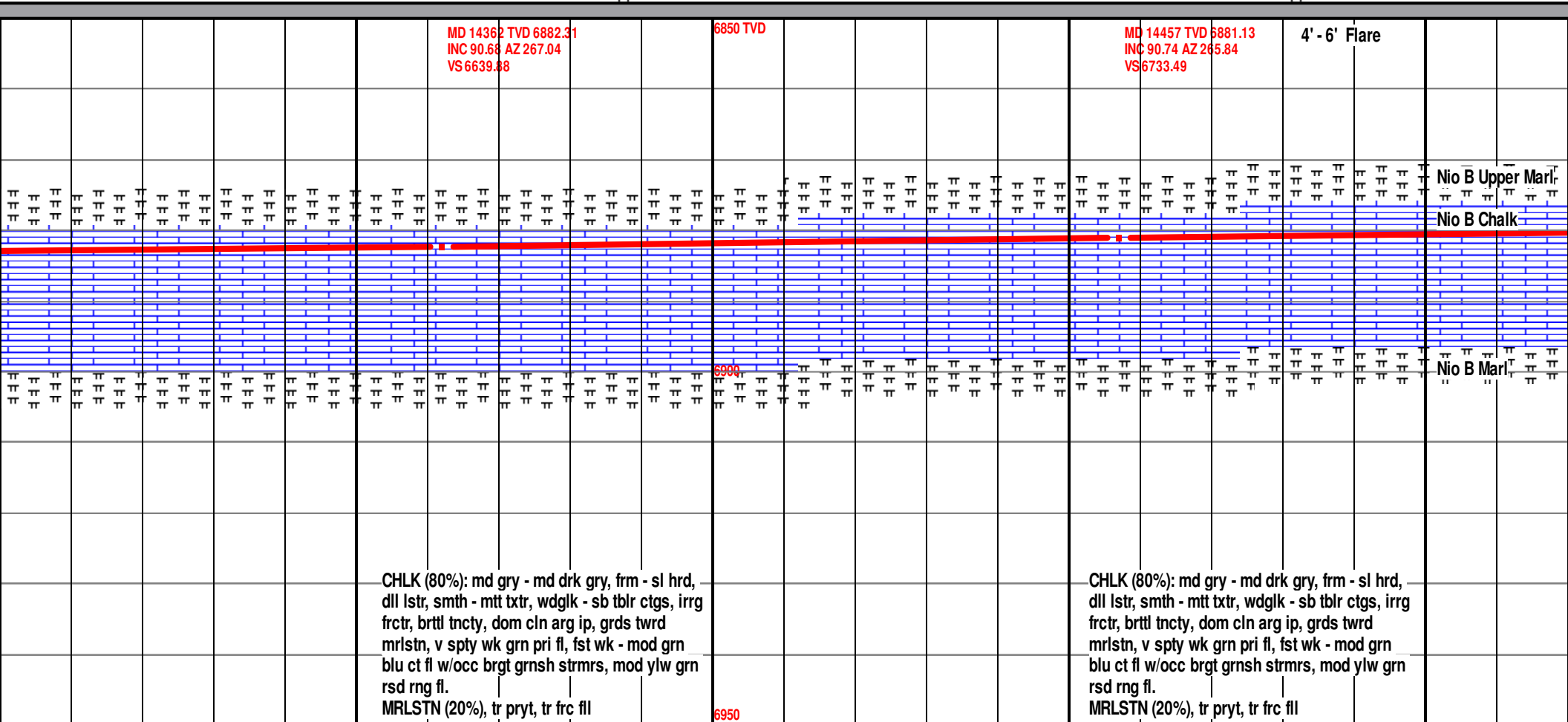
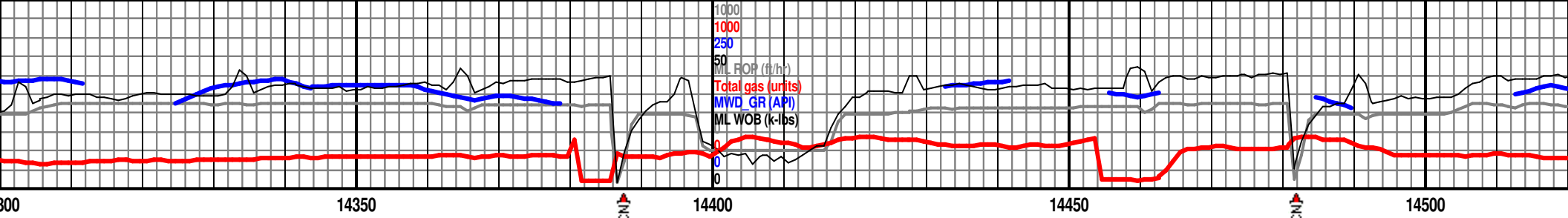
CHLK (50%): md gry - md drk gry, frm - sl hrd,  
 dll lstr, smth - mtt txtr, wdgk - sb tblr ctgs, irrgr  
 frctr, brtl tncy, dom arg cln ip, grds twrd  
 mrlstn, v spty wk grn pri fl, fst wk - mod grn blu  
 ct fl w/occ brgt grnsh strms, mod ylw grn rsd  
 rng fl.  
 MRLSTN (50%), tr prty, tr bent, tr frc fil

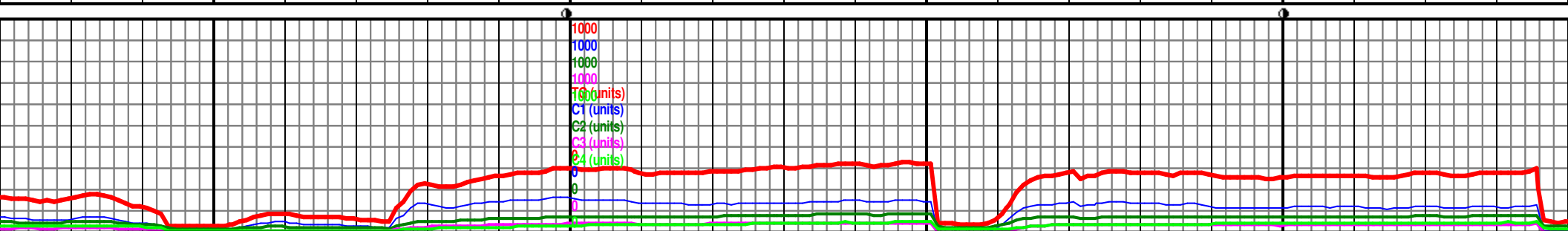
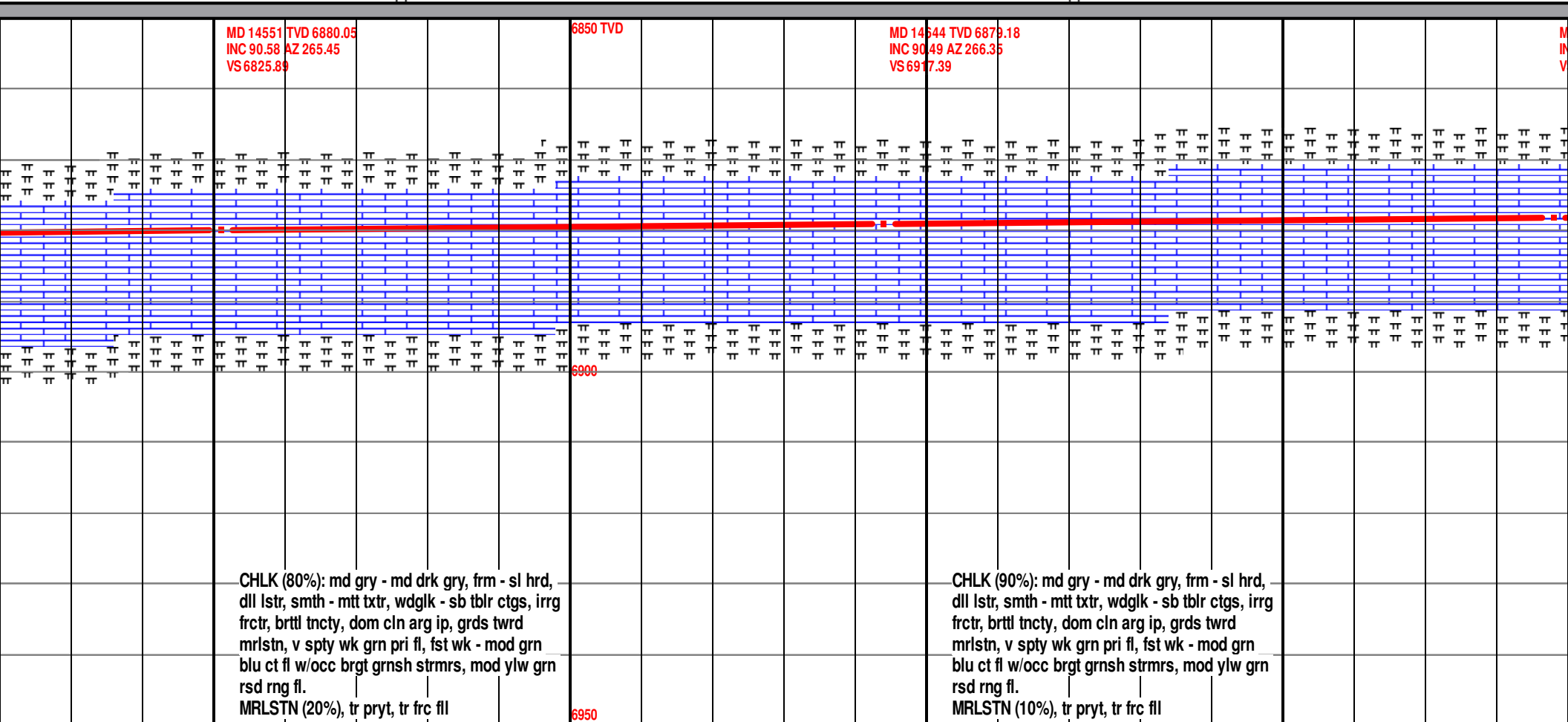
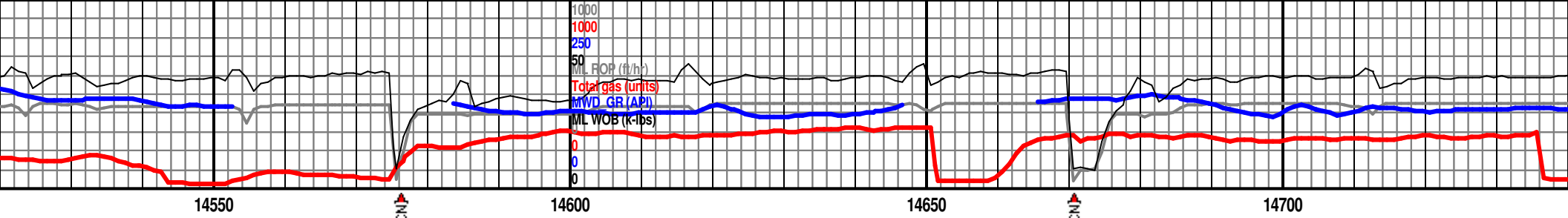
CHLK (50%)  
 dll lstr,  
 frctr, brtl  
 mrlstn,  
 blu ct fl  
 rsd rng  
 MRLSTN





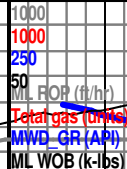












MD 15021	TVD 6875.55
INC 90.43	AZ 268
VS 7290.04	

MD 15115	TVD 6874.69
INC 90.62	AZ 266.49
VS 7382.89	

6' - 8' Flare

**7Nio B Upper Marl**

Nio B Chalk

**Nio B Marl**

6900

5%): md gry - md drk gry, frm - sl hrd, —  
smth - mtt ttxt, wdgk - sb tbrl ctgs, irrg  
d tncy, dom cln arg ip, grds twrd  
v spty wk grn pri fl, fst wk - mod grn blu  
cc brgt grnsh strmr, mod ylw grn rsd

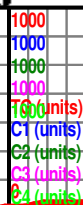
(5%), tr pryt, tr frc fl

CHLK (90%): md gry - md drk gry, frm - sl hrd,  
dll lstr, smth - mtt txtr, wdgk - sb tblr ctgs, irrgr  
frctr, brttl tncy, dom cln arg ip, grds twrd  
mrlnstn, v spty wk grn pri fl, fst wk - mod grn  
blu ct fl w/occ brgt grnsh strmr, mod ylw grn  
rd m fl.

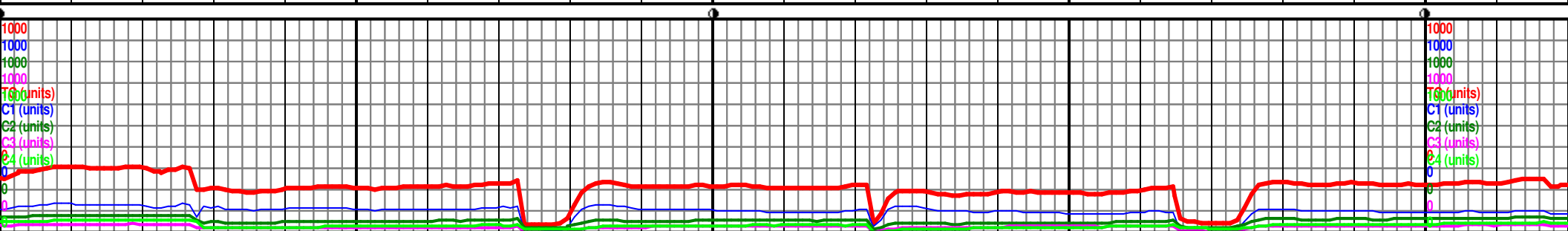
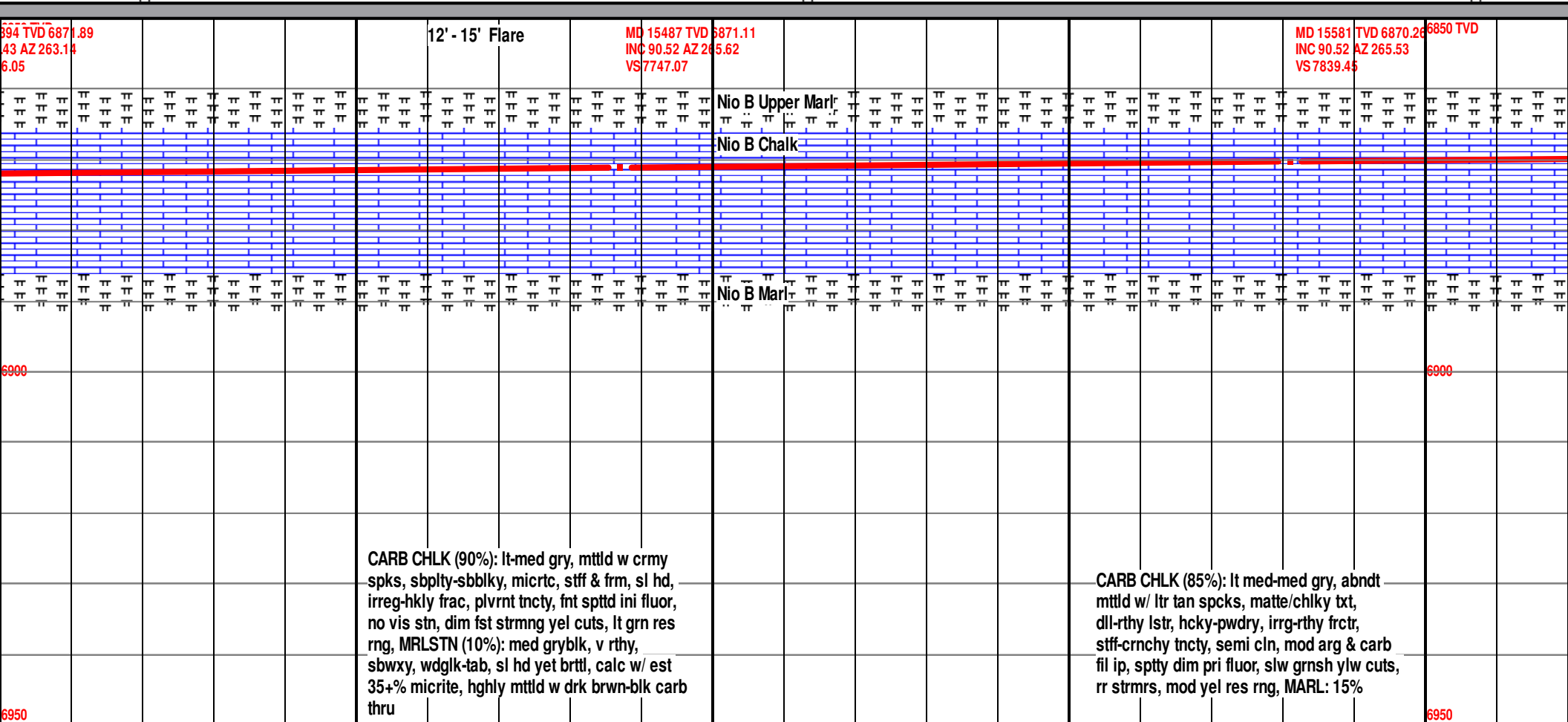
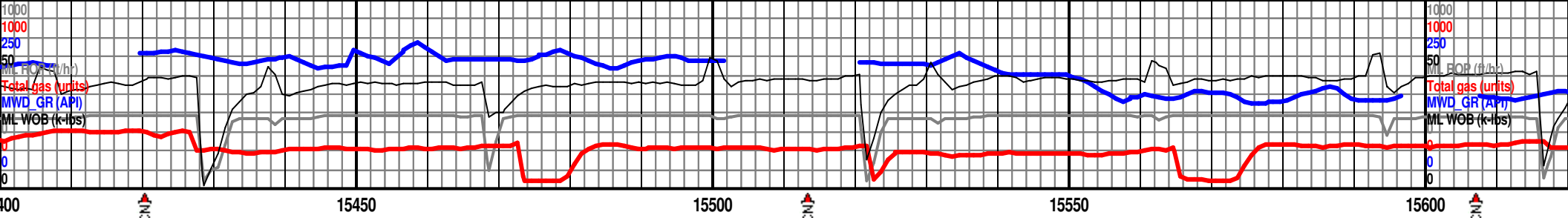
MRLSTN (10%), tr pryt, tr frc fil

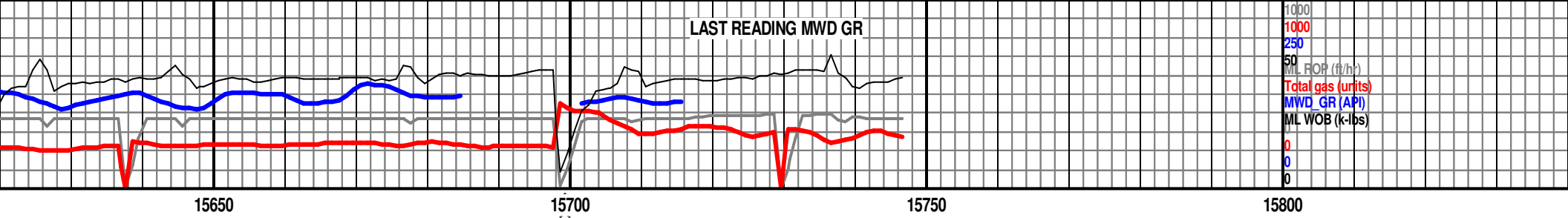
CHLK (90%): md gry - md drl  
dll lstr, smth - mtt txtr, wdgk  
frctr, brttl tncy, dom cln arg  
mrlstn, v spty wk grn pri fl, t  
blu ct fl w/occ brgt grnsh str  
rsd rng fl.

**MRLSTN (10%), tr pryt, tr frc**

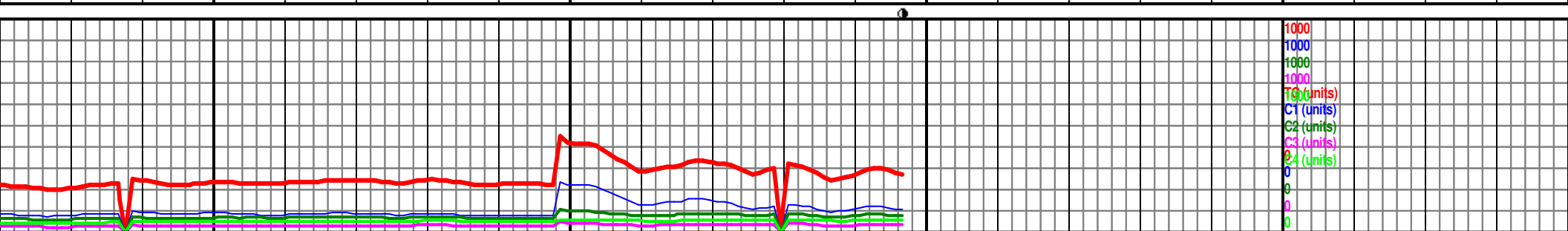


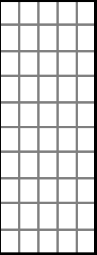






MD 15673 TVD 6869.5 INC 90.43 AZ 264.33 VS 7929.68															MD 15723 TVD 6869.1 INC 90.49 AZ 263.66 VS 7978.54															MD 15747 TVD 6868.89 INC 90.49 AZ 263.66 VS 8001.97															6850 TVD																																																																																																																							
																																																												Reached DMTD of 15,747' MD @ 14:49 hrs. on 03/23/2018																																																																																																								
																																																												2 man wellsite geologist released from location on March 23, 2018 @ 18:00 hrs.																														Formation tops picked by Andrew Krueger and Larry Goolsby GBA.																																																																										
																																																												Circ & Condition Hole, TOOH, run casing, cement casing.																																																																																																								
																																																												BHA #2, 8 1/2", HCC, ATD505T, #5282750, 5X15, In @ 1846', out @ 15747', drilled 13901' in 35.3 hrs., Rotary Steerable, AutoTrak, MWD, MM, XL45/RS; .27 rpg															S Springs															MD															TVD															SSD																																												
																																																																											"A" Chalk															7039'															6763'															-1974																																												
																																																																											"A" Chalk Base															7101'															6800'															-2011																																												
																																																																											"B" Upper Marl															7134'															6818'															-2029																																												
																																																																											"B" Chalk															7375'															6904'															-2115																																												
																																																																											Target Heel															7429'															6914'															-2125																																												
																																																																											DMTD															7554'															6927'															-2138																																												
																																																																																										15747															6869															-2080																																												
																																																												THANK YOU FOR CHOOSING GOOLSBY BROTHERS & ASSOCIATES																																																																																																								
																																																												Andrew Krueger & Larry Goolsby																																																																																																								
CARB CHLK (95%): lt med-med gry, abndt mttld w/ ltr tan spcks, matte/chlky txt, dli-rthy lstr, hcky-pwdry, irrg-rthy frctr, stff-crncchy tncty, semi cln, mod arg & carb fil ip, sppty dim pri fluor, slw grnsh ylw cuts, rr strmr, mod yel res rng, MARL: AA (5%)																																																																																																																																																																				
																																																																																																																																																						6950														





15