

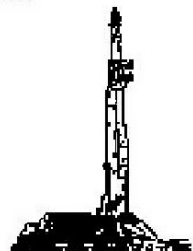
GOOLSBY BROTHERS
and associates, inc.

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: Boomerang 34N-6C-M
API: 051234539000
Location: Section 5, T5N, R66W, Weld County, CO.
License Number:
Spud Date: January 10, 2018
Surface Coordinates: SENW T5N, R66W Sec 5, 1511' FNL & 2,327' FWL
LAT 40.433003 LONG -104.803598
Bottom Hole Coordinates: SWNW T5N, R66W, Sec 6, 2509' FNL & 150' FWL (EST)
Ground Elevation (ft): 4,769'
Logged Interval (ft): 7,000' To: 15,570'
Formation: Pierre Shales / Sands, Niobrara C Chalk Target
Type of Drilling Fluid: FW Surface, OBM Curve & Lateral

Region: Wattenberg
Drilling Completed: January 14, 2018

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

OPERATOR

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

GEOLOGIST

Name: Larry Goolsby & Brian Spitzmiller
Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)
Address: 575 Union Blvd. Suite 208,
Lakewood CO. 80228
Tel 303-618-7736

Logs

PULSE MWD GR from 1,807'-15,557'

Casing

9 5/8" Surface Casing set @ 1,800' MD
5 1/2" Production Casing set @ 15,555' MD

Comments

- 1) Drilling Contractor: Precision Drilling, Rig #462
Toolpusher: James Gardner
- 2) Company Man: Lovell Young & Tony Pershal
- 3) Mud Company : Reliable Drilling Fluids
Engineer: Tim Pattison
- 4) Directional Drilling: Baker Hughes Directional
Rotary Steerable BHA
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) SRC Geologist: Tony Williams

ROCK TYPES

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

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Breclfrag
 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
 Wackest

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

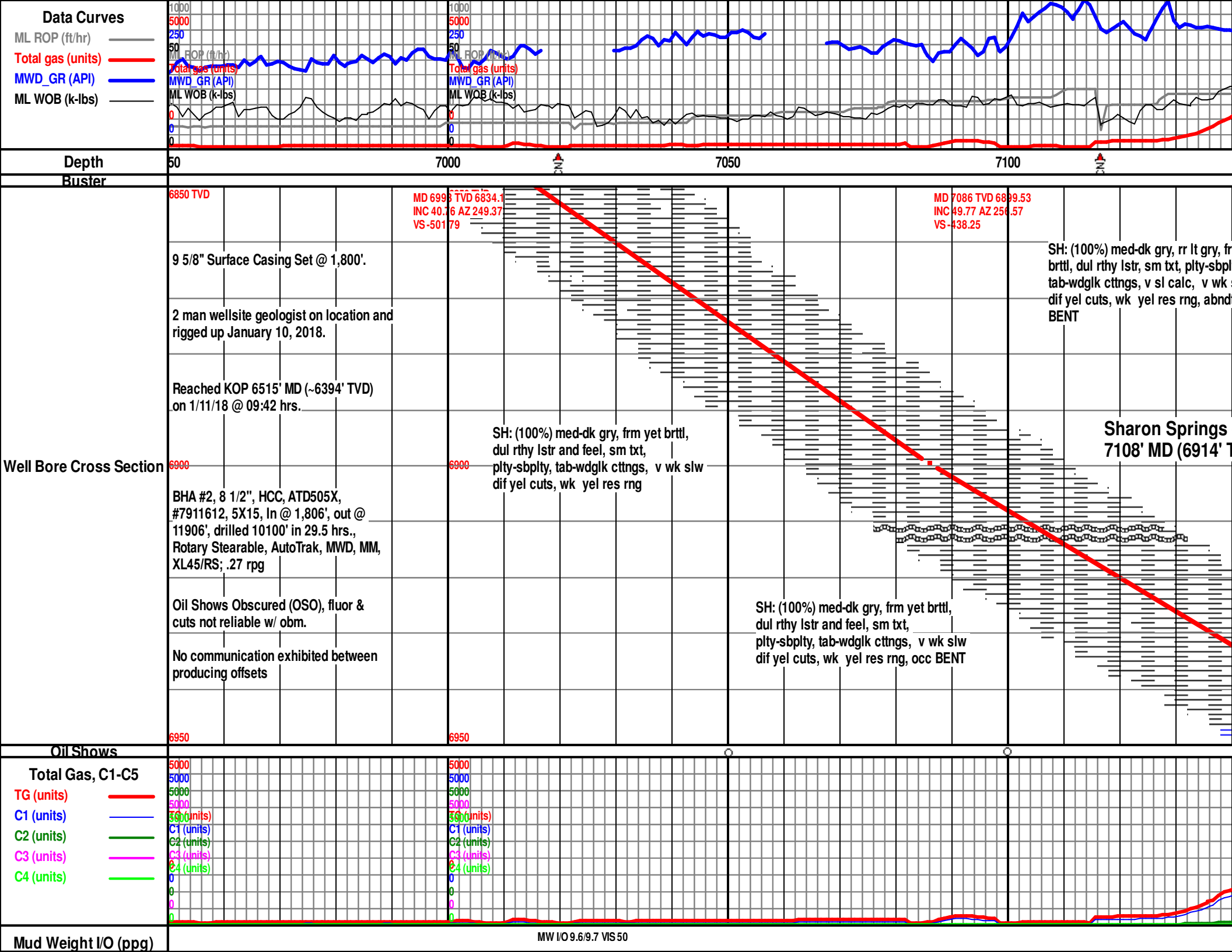
INTERVALS

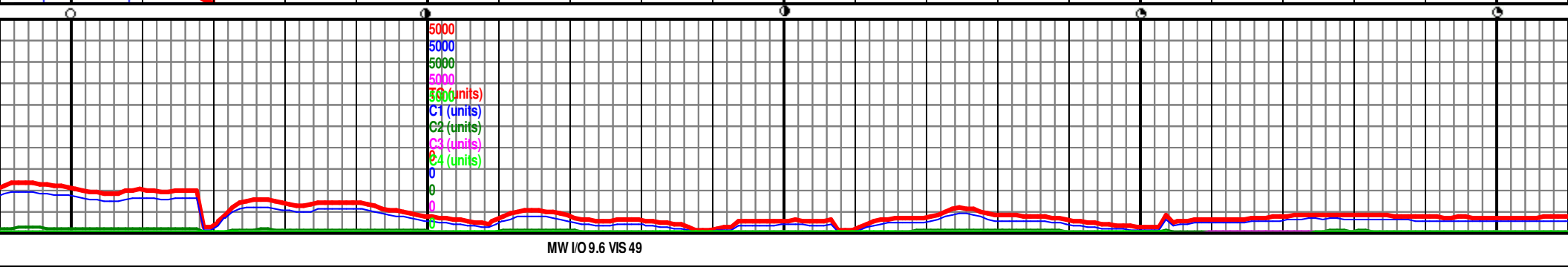
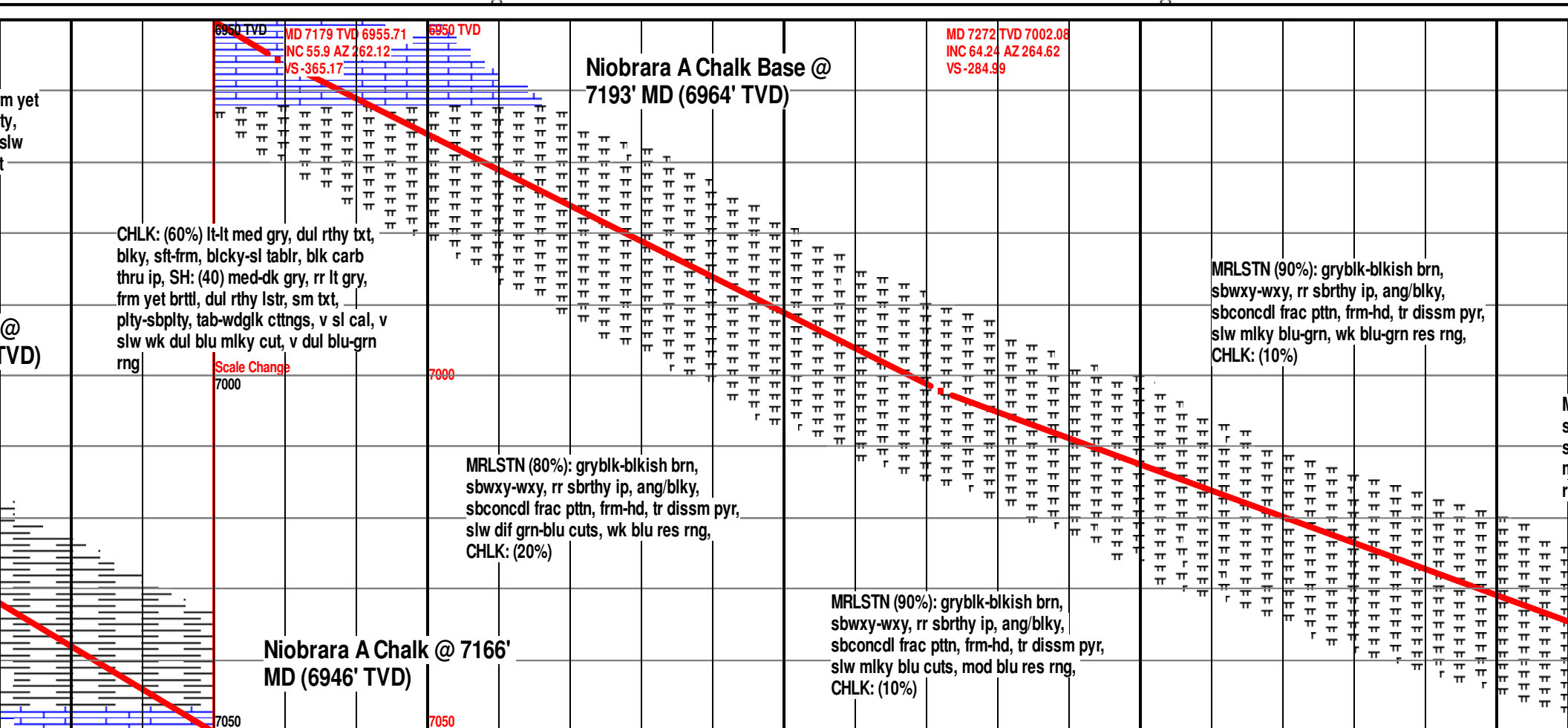
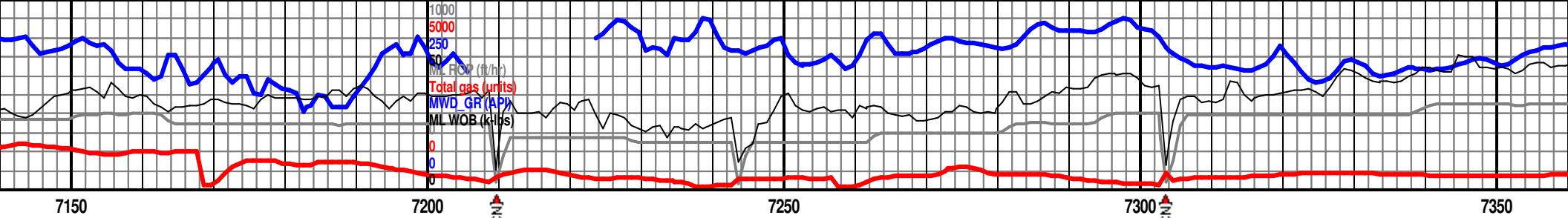
Core
 Dst

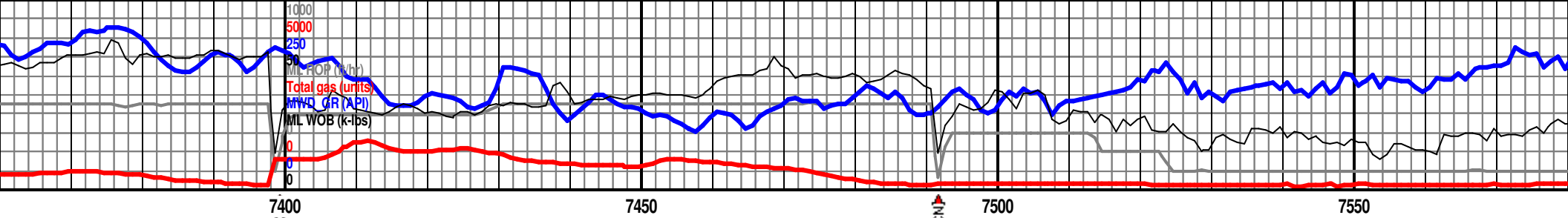
EVENTS

Casing shoe_hzl
 Trip_point_1
 Off bottom
 conn

Survey(mwd)
 Survey(red)
 bit







MD 7366 TVD 7036.92
INC 72.21 AZ 263.77
VS -198.03

MD 7458 TVD 7061.56
INC 76.71 AZ 264.17
VS -109.72

MD 7552 TVD 7078.26
INC 82.81 AZ 264.71
VS -17.51

Niobrara B Chalk @
7438' MD (7057' TVD)

Niobrara B M
(7076' TVD)

CHLK: (60%) lt-med gry, dul rthy lstr,
mtld, blk, sft-sl frm, MRLSTN (40%):
med drk-drk gry, rthy txt, semi wxy ip,
jggd-sbbkly, frm-sl hd, tr diss pyr, rr
calc frags, mod strmg blu cut, sl bri blu
res rng

Scale Change

7100

CHLK: (70%) lt-med gry, dul rthy lstr,
mtld, blk, sft-sl frm, MRLSTN (30%):
med drk-drk gry, rthy txt, semi wxy ip,
jggd-sbbkly, frm-sl hd, tr diss pyr, rr
calc frags, gd fst strmg blu cut, sl bri
blu res rng

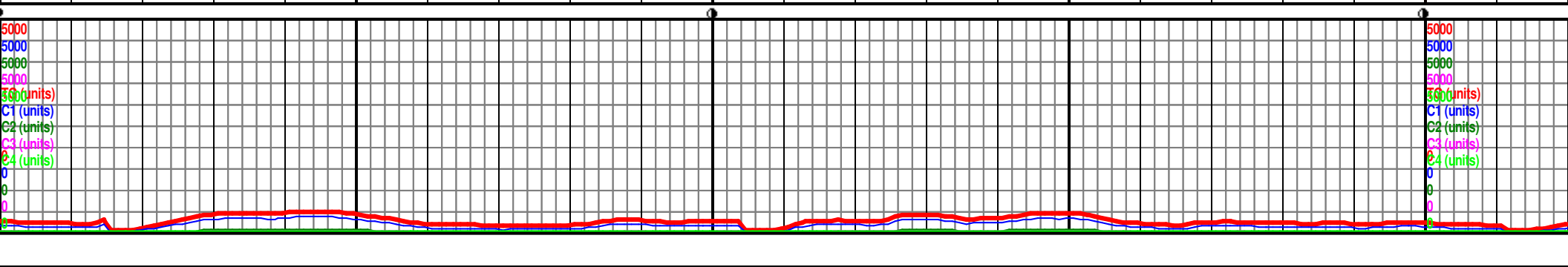
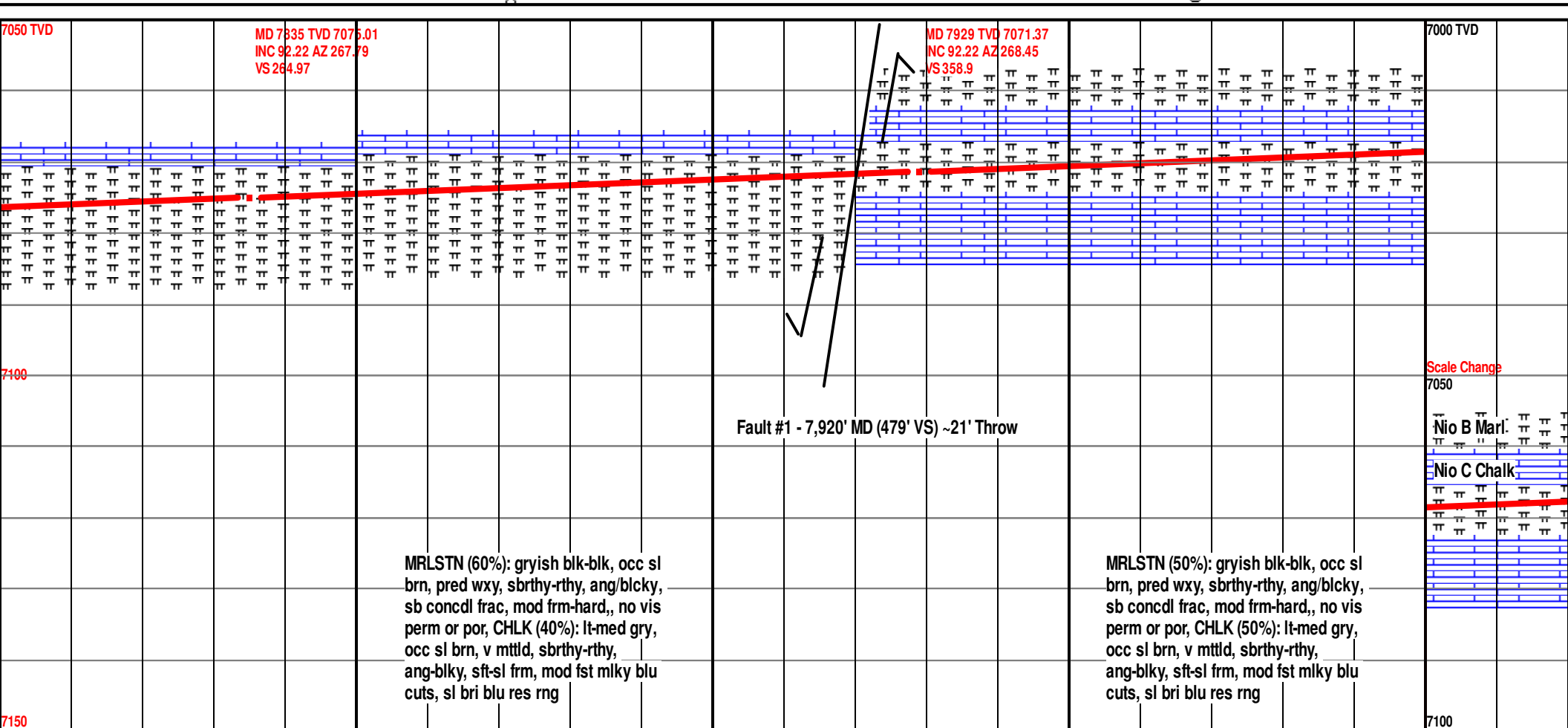
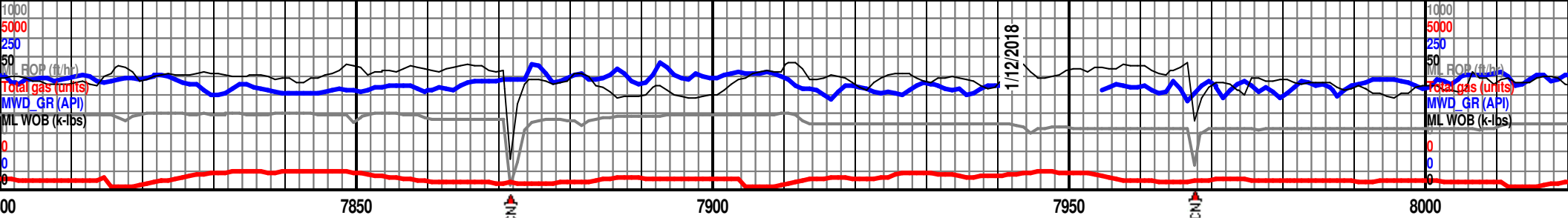
MRLSTN (60%): gryish blk-blk, pred
wxy, sbrthy-rthy, ang/blcky, sb concd
frac, mod frm-hard,, no vis perm or por,
CHLK (40%): lt-med gry, chlkly,
sbrthy-rthy, ang-blky, sft-sl frm, slw
miky blu cuts, dul blu res rng, no vis
stn

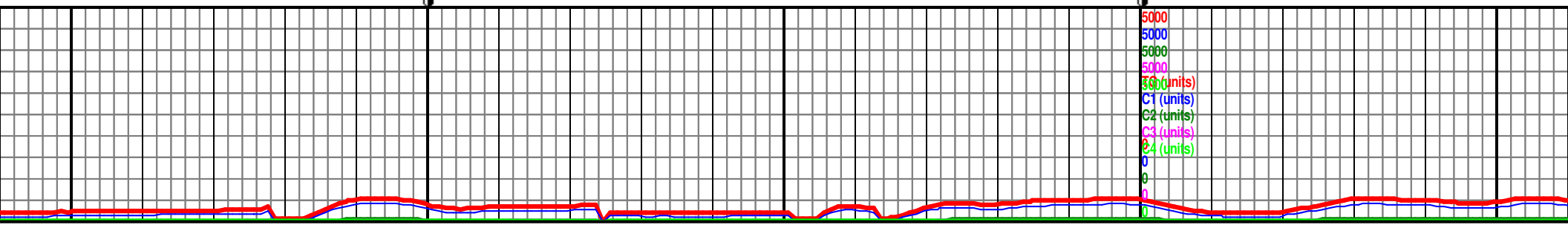
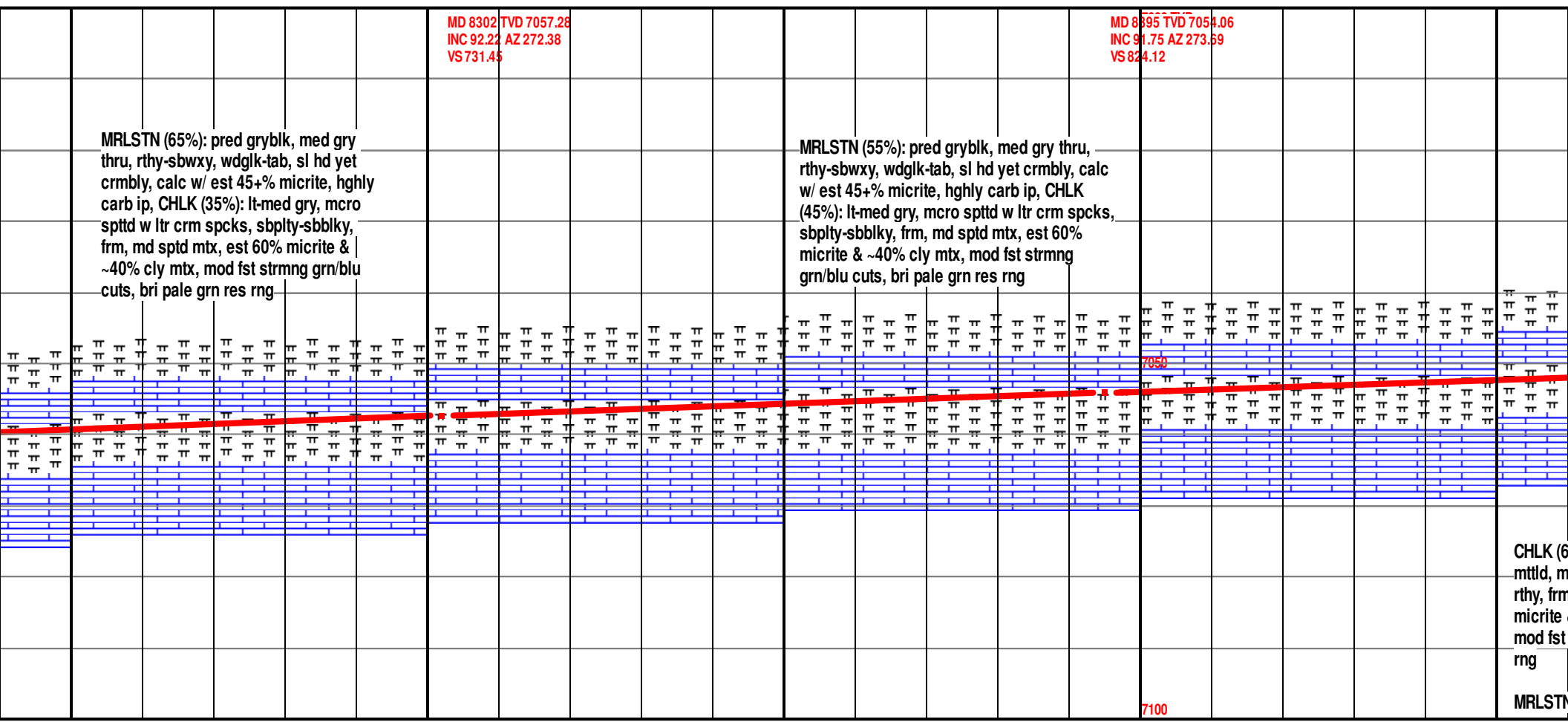
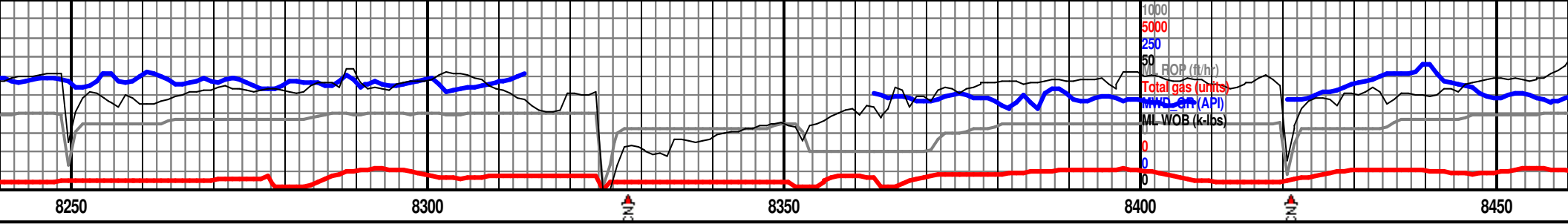
MRLSTN (70%): gryish b
wxy, sbrthy-rthy, ang/blc
frac, mod frm-hard,, no v
CHLK (30%): lt-med gry,
sbrthy-rthy, ang-blky, sft
blu cuts, dul blu res rng

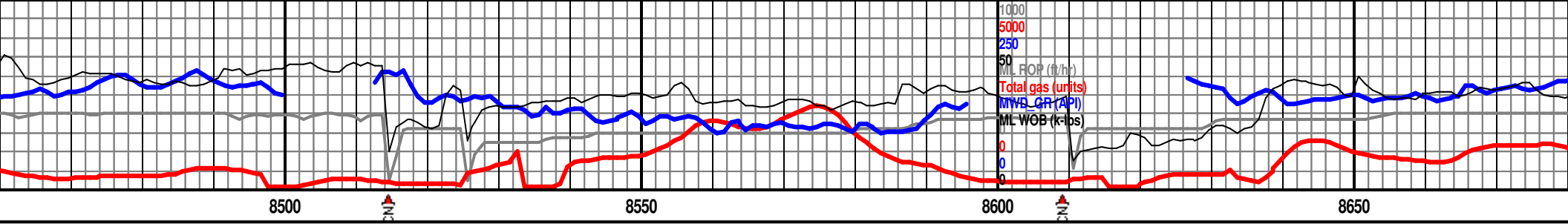
MRLSTN (70%): gryish blkish brn,
bwxy-wxy, rr sbrthy ip, ang/blky,
sbconcdl frac ptn, frm-hd, tr diss pyr,
mod slw strmg blu cuts, dul blu res
ng, CHLK: (30%)

Niobrara B Upper Marl @
7413' MD (7050' TVD)



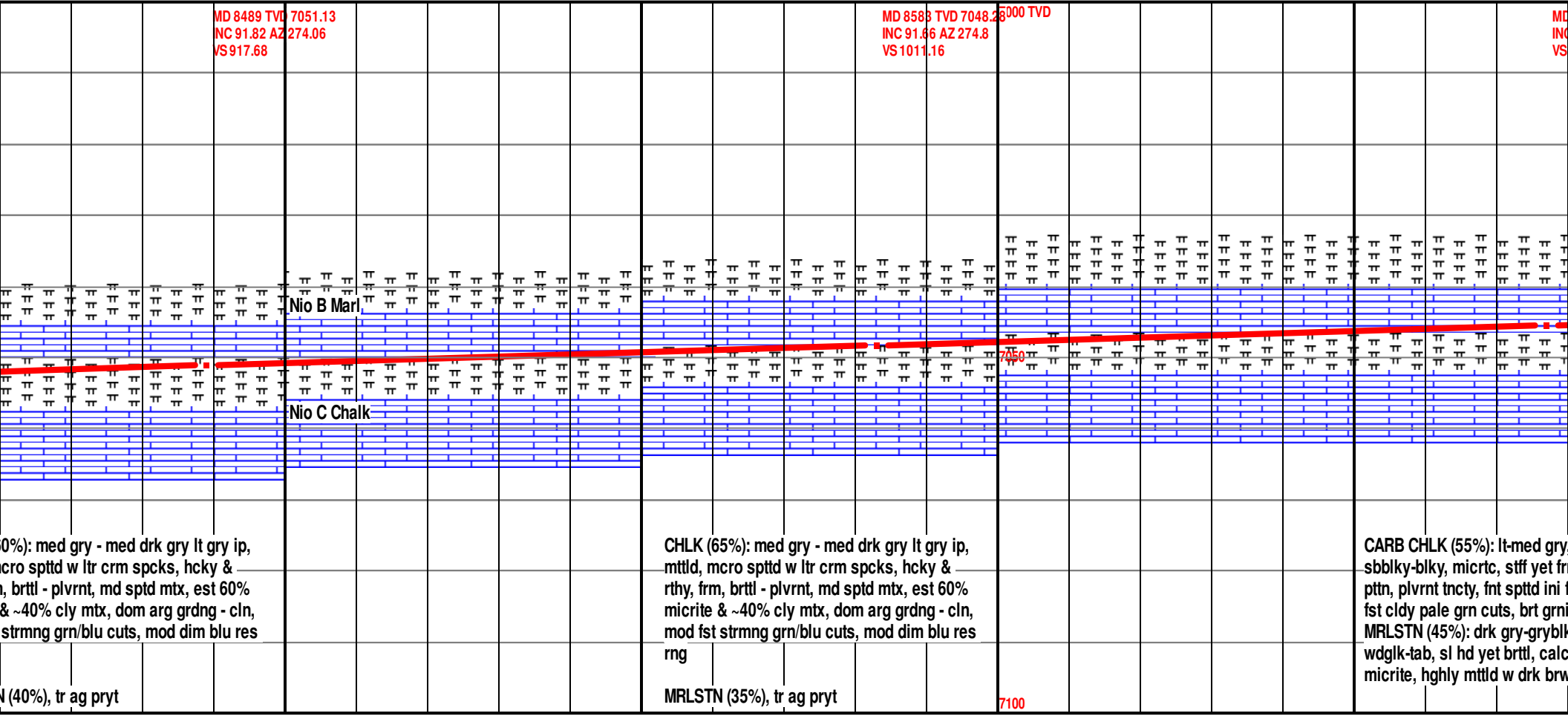






MD 8489 TVD 7051.13
INC 91.82 AZ 274.06
VS 917.68

MD 8583 TVD 7048.28
INC 91.86 AZ 274.8
VS 1011.16

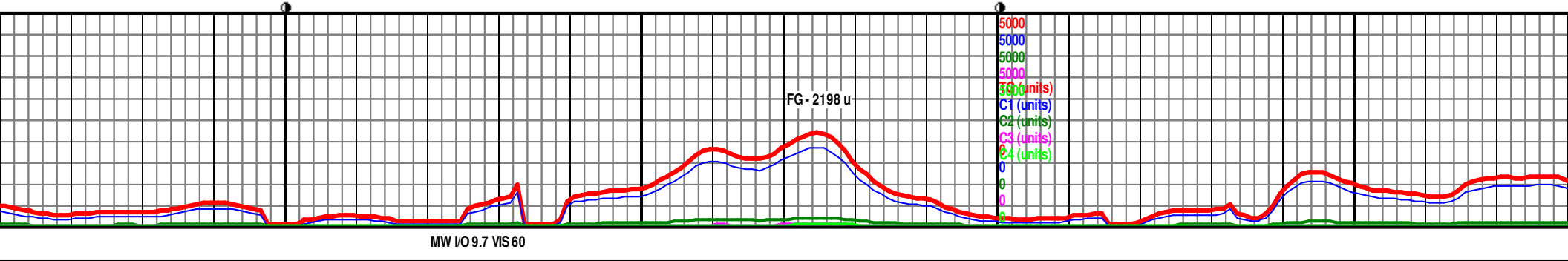


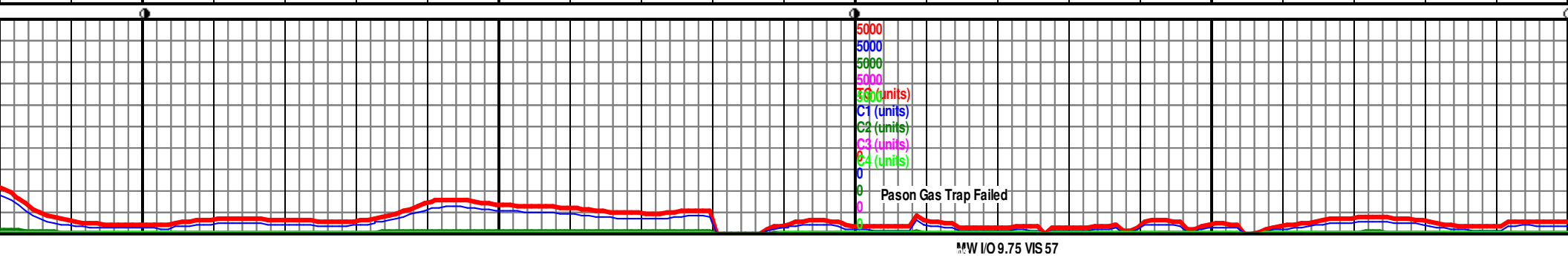
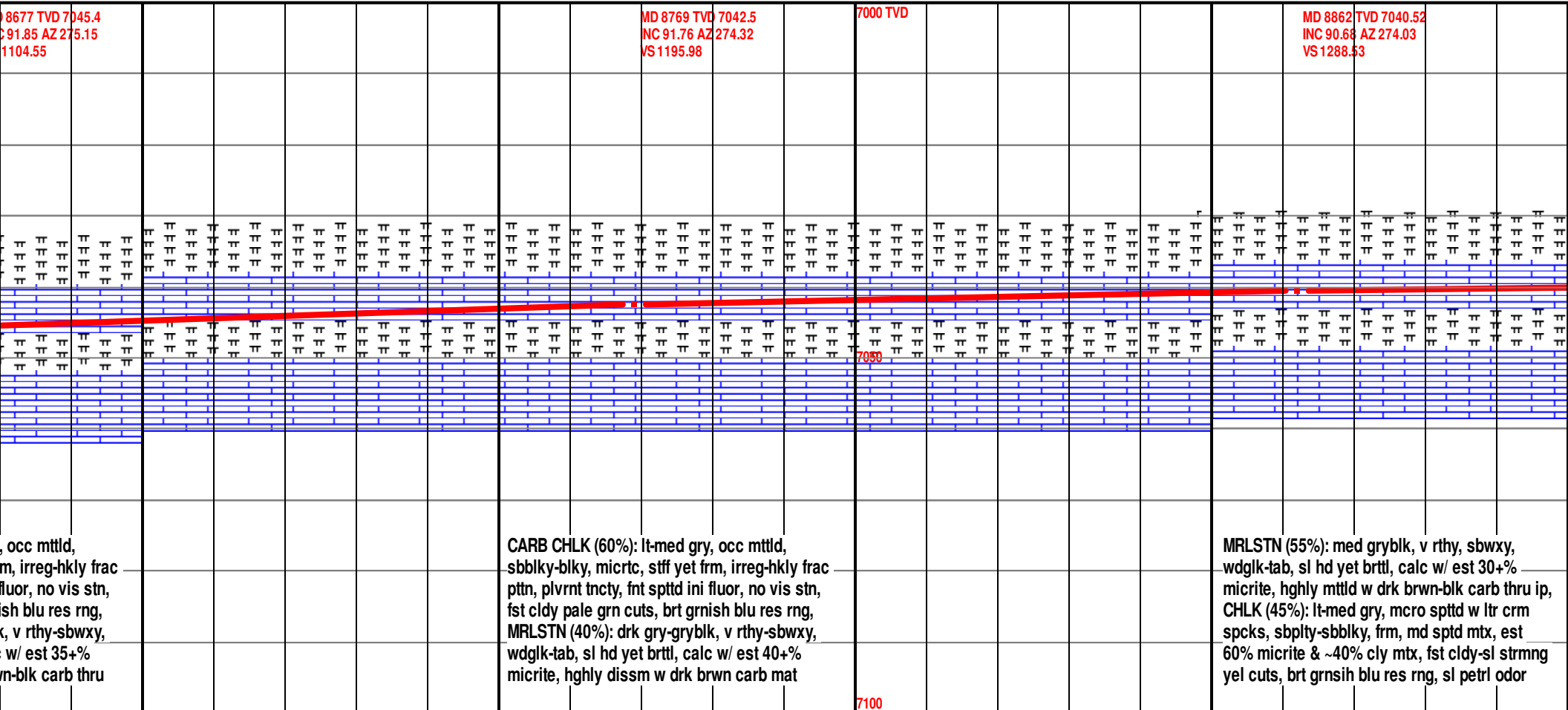
0%): med gry - med drk gry lt gry ip, mcro spthd w ltr crm spcks, hcky & brtl - plvrnt, md spthd mtx, est 60% & ~40% cly mtx, dom arg grdng - cln, strmg grn/blu cuts, mod dim blu res

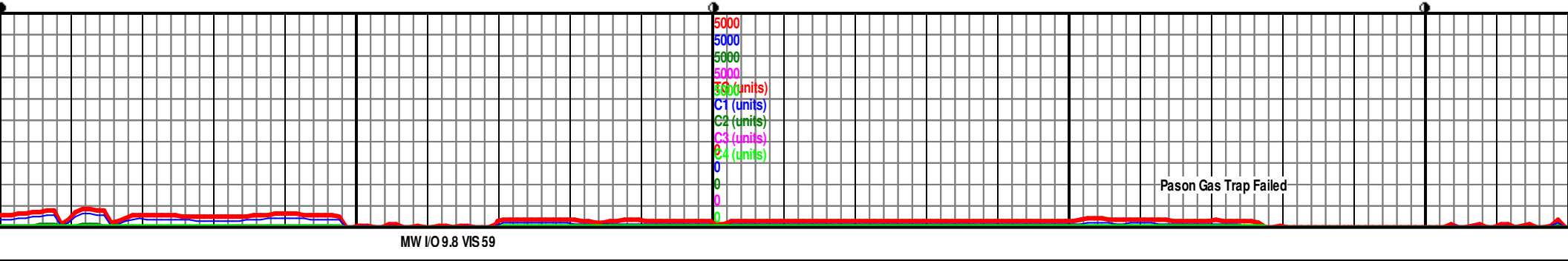
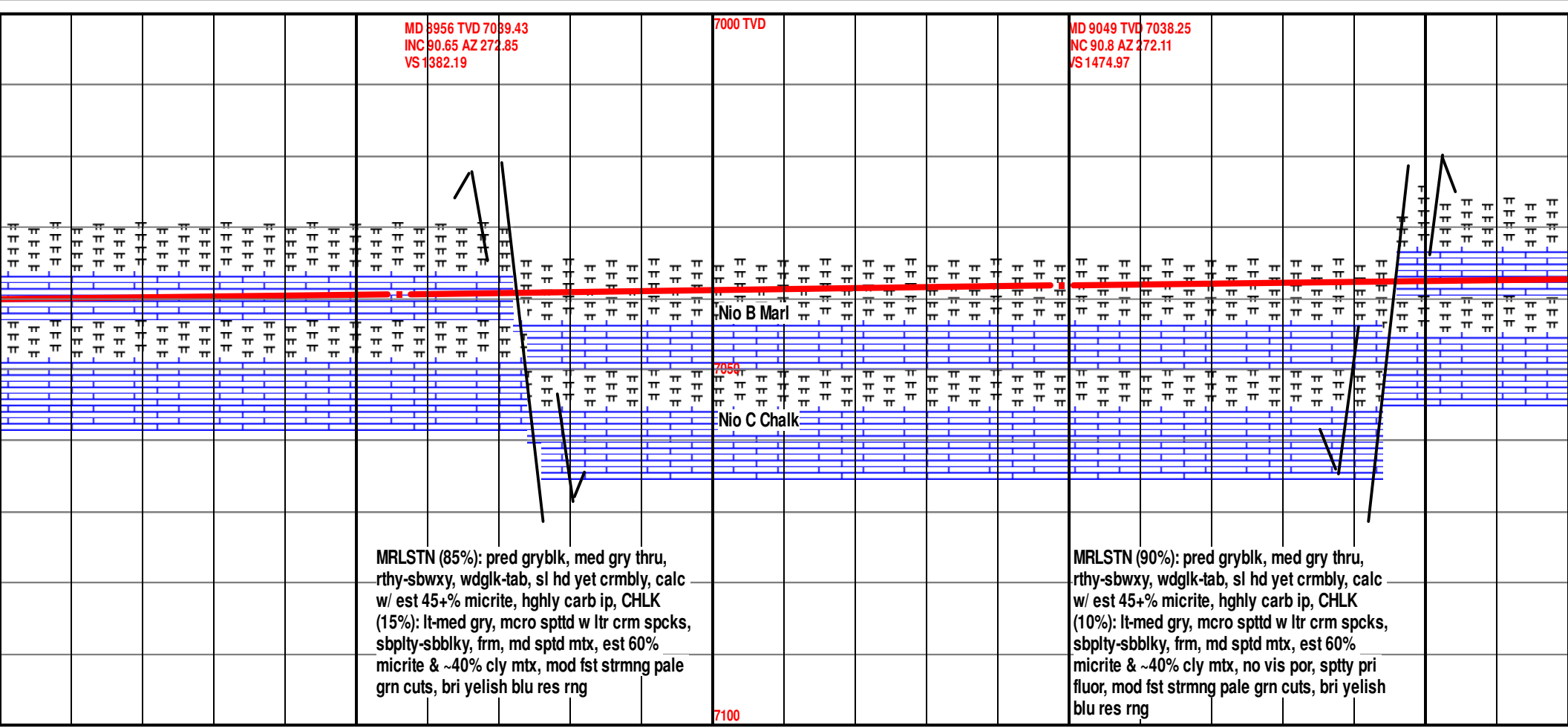
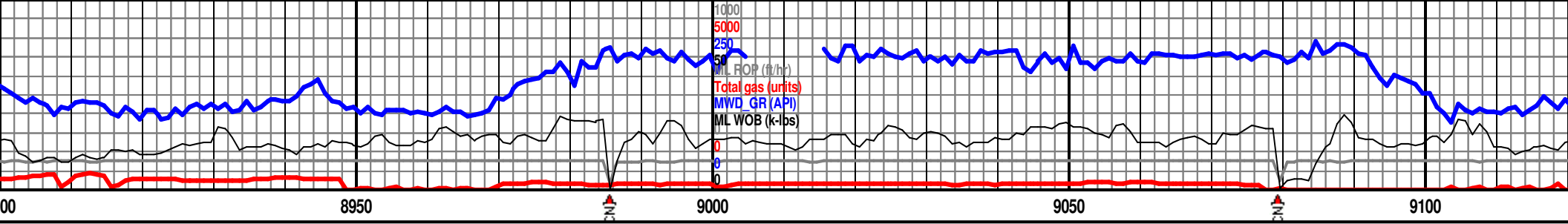
N (40%), tr ag pryt

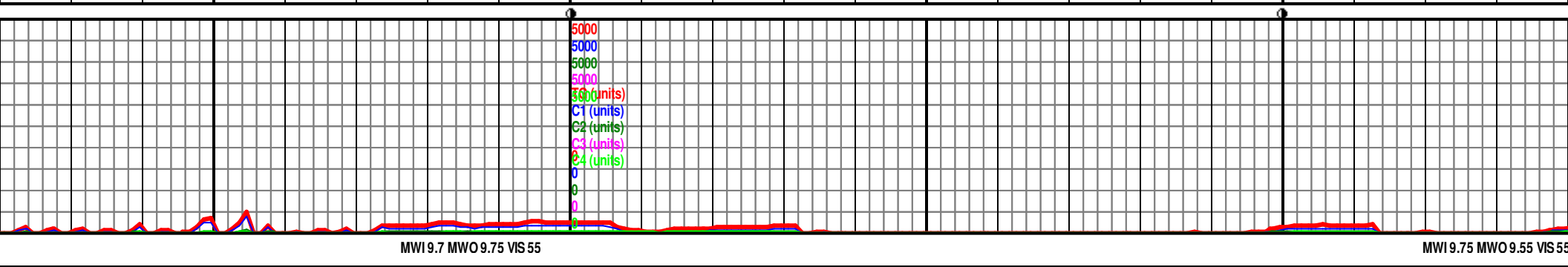
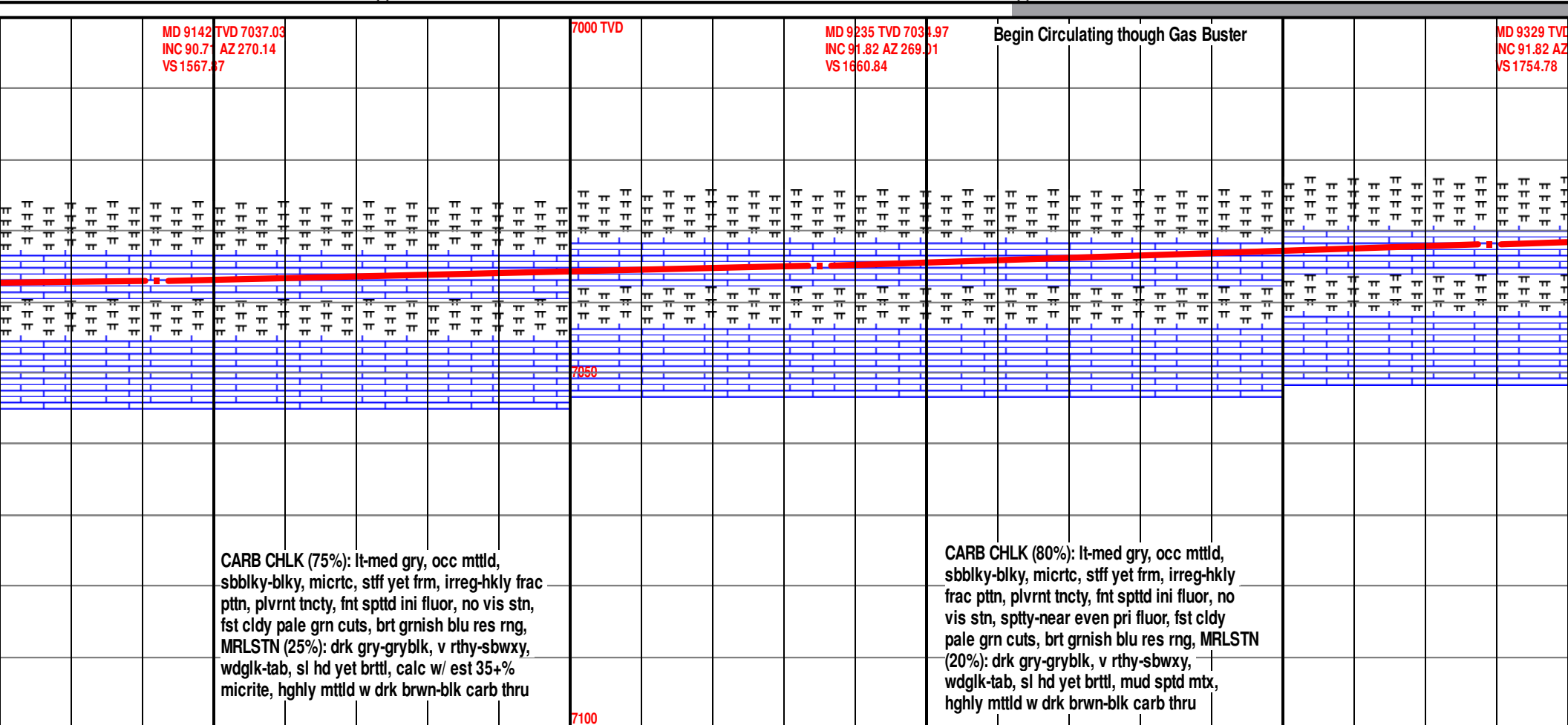
MRLSTN (35%), tr ag pryt

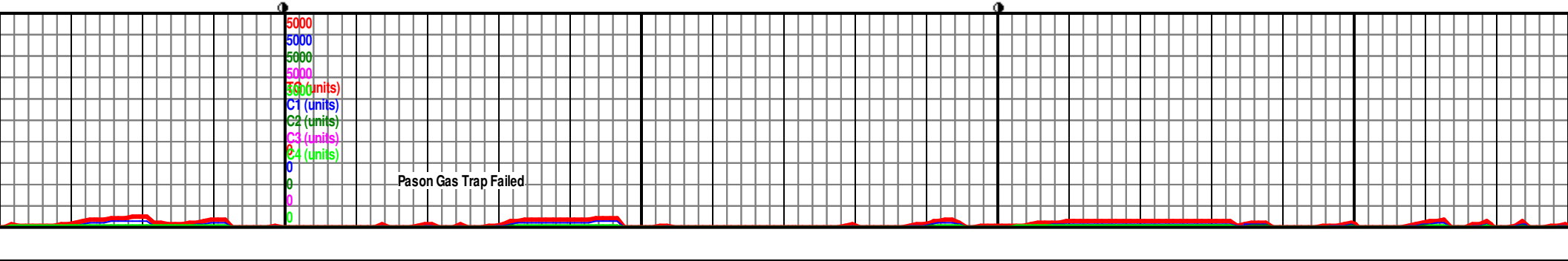
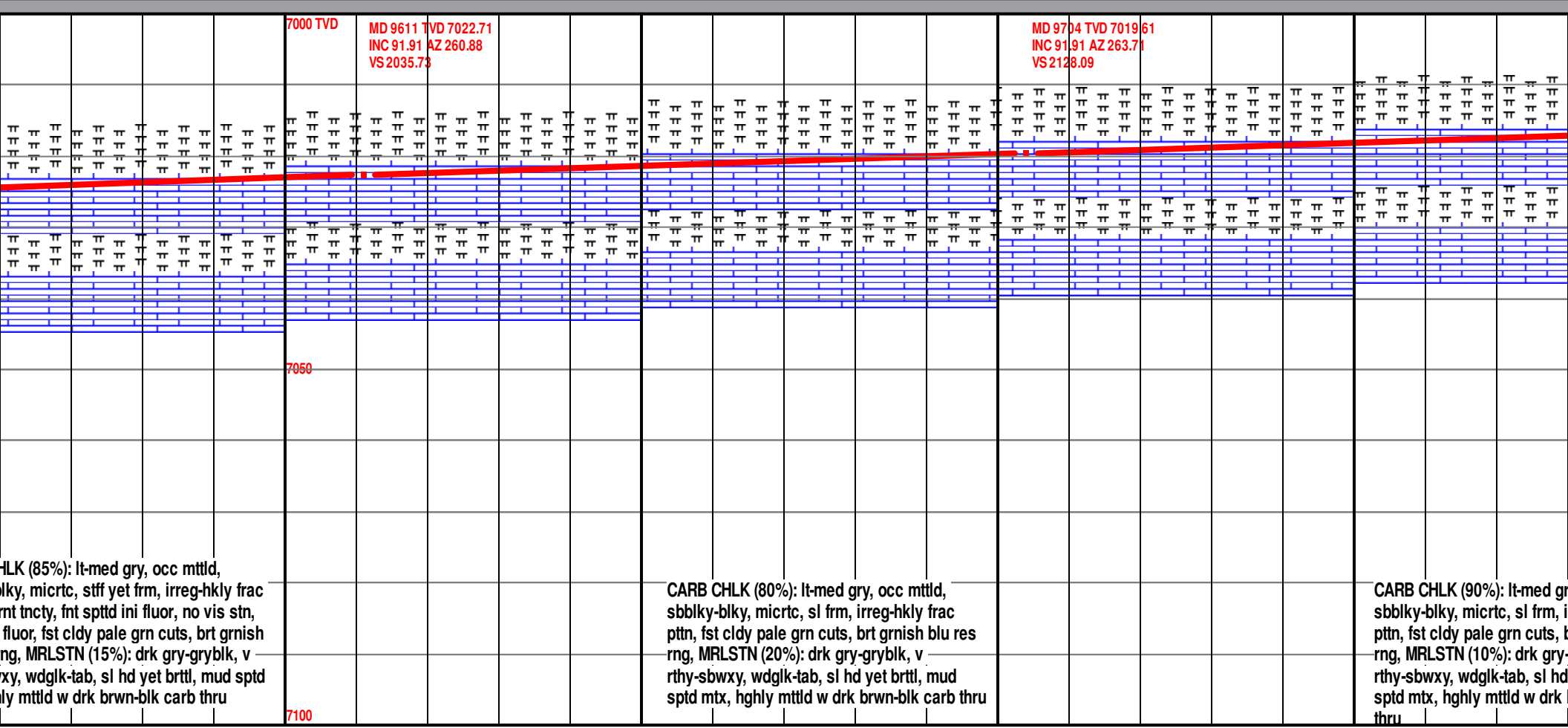
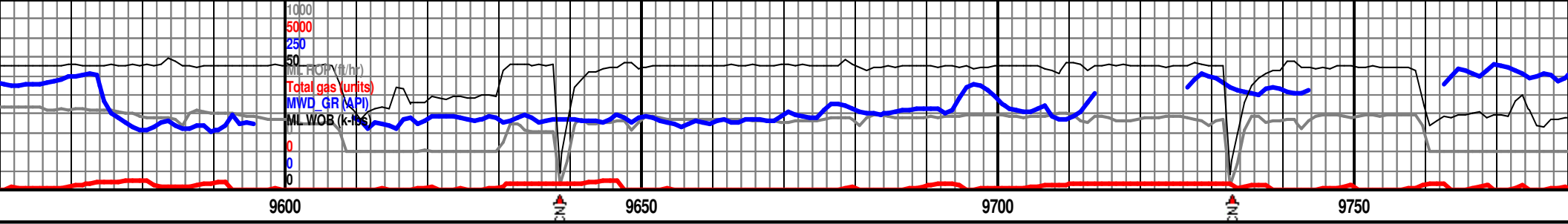
7100

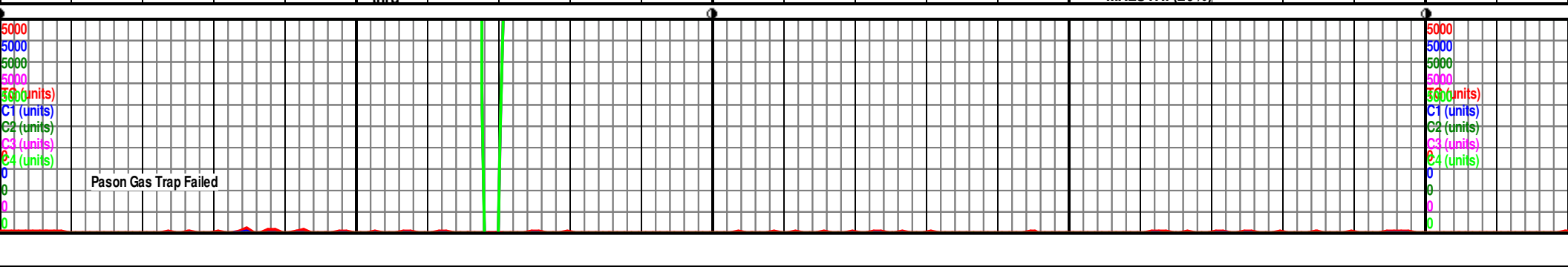
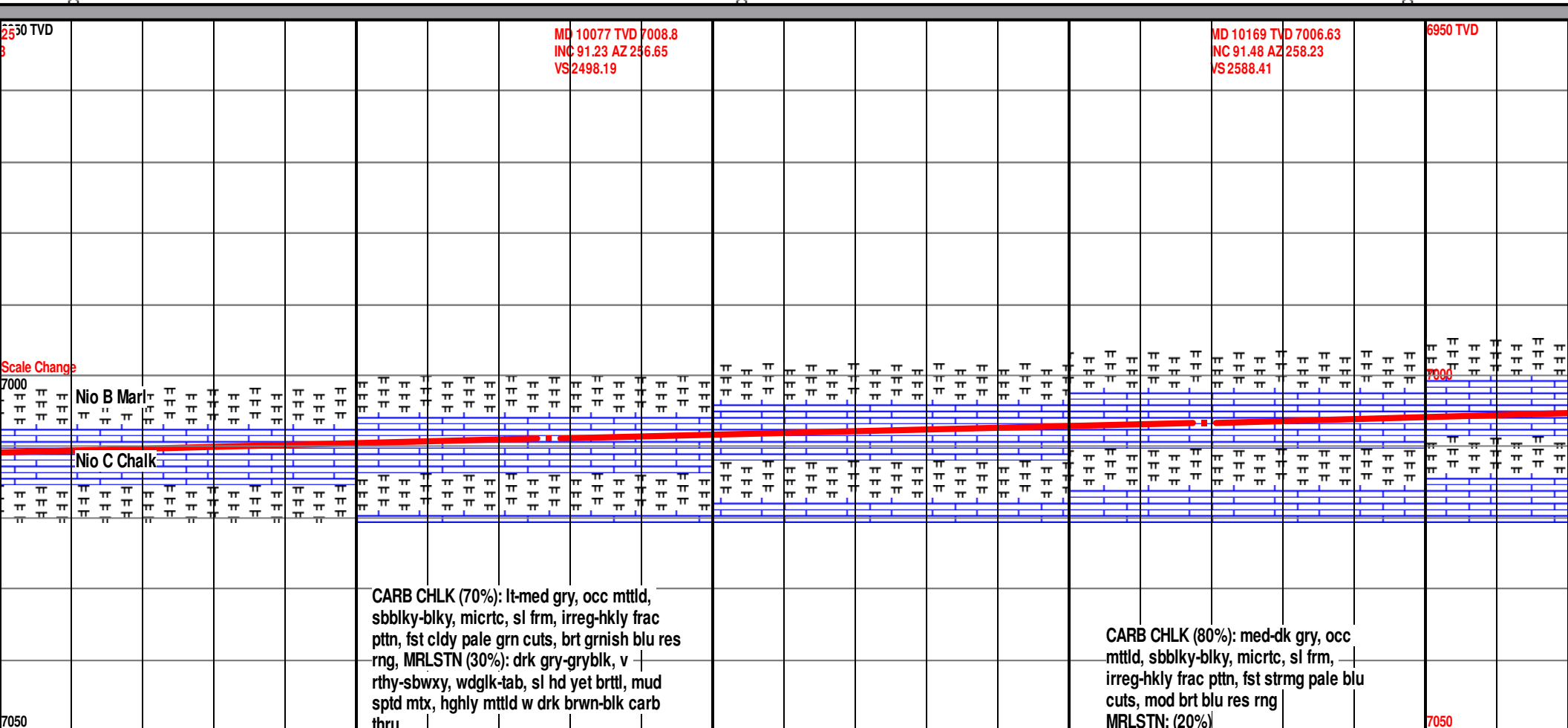
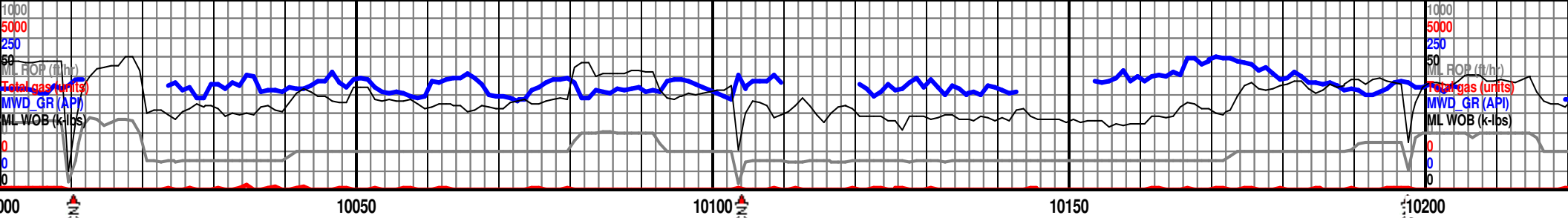














MD 10357	TVD 7001.47
INC 91.54	AZ 266.06
VS 2775.28	

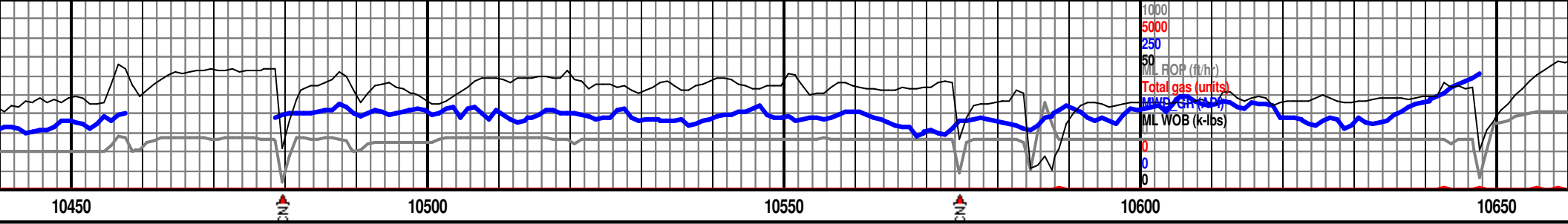
6950 TVD



CARB CHLK (100%): med-dk gry, occ
mtld, sbbly-bly, micrtc, sl frm,
irreg-hkly frac ptn, fst rad strmg pale
blu cuts, mod brt blu res rng

7050





MD 10449 TVD 6999.55
INC 90.86 AZ 269.02
VS 2867.23

MD 10543 TVD 6998.56
INC 90.34 AZ 270.94
VS 2961.2

6950 TVD

MD 10638 TVD 6997.85
INC 90.52 AZ 172.18
VS 3056.07

Nio B Marl

Nio C Chalk

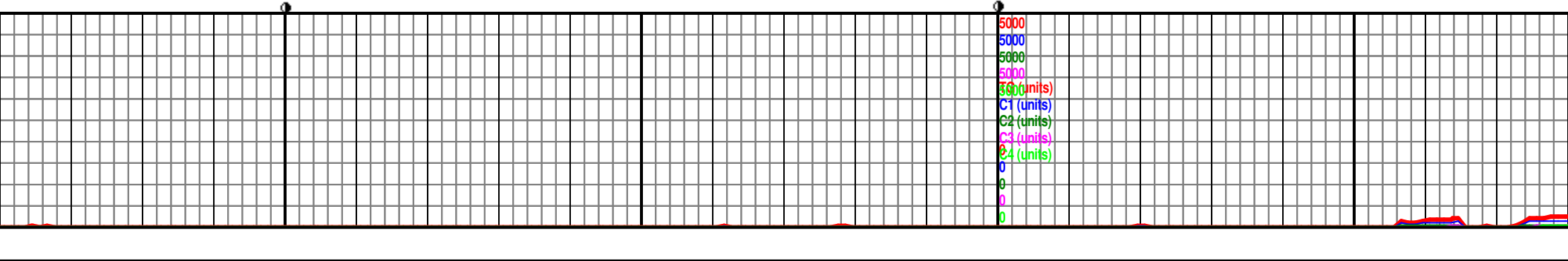
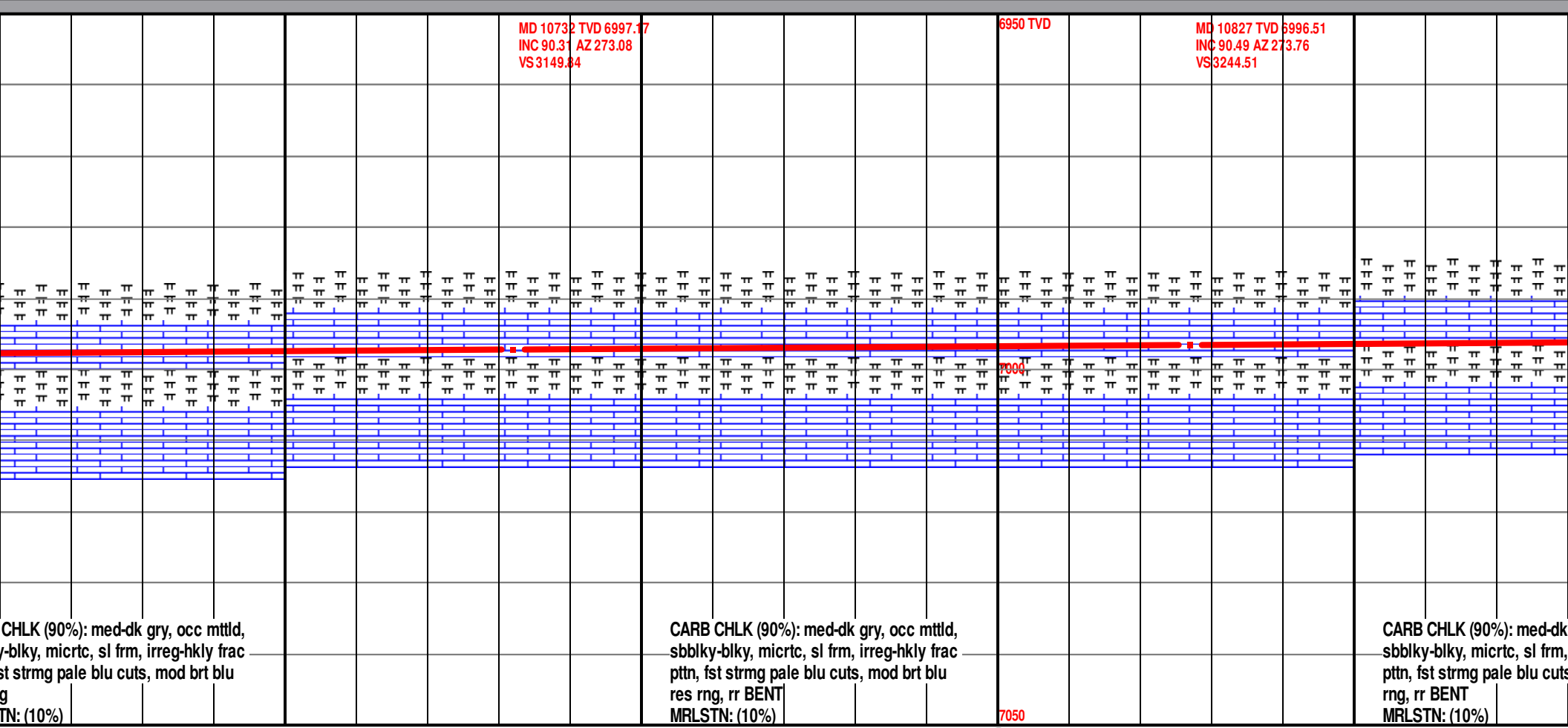
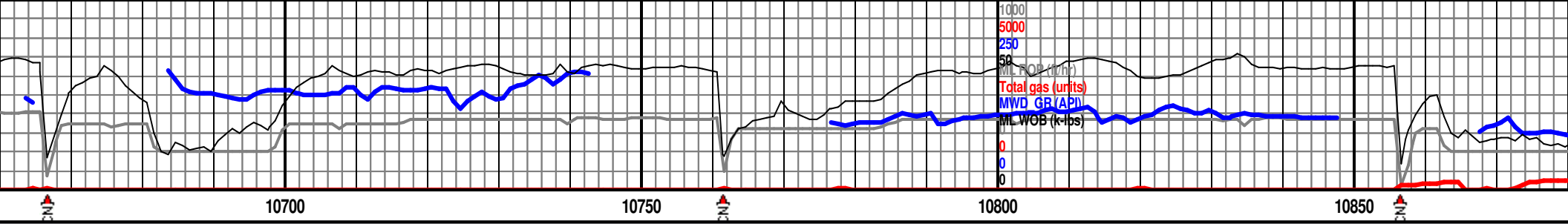
CARB CHLK (90%): med-dk gry, occ mtld,
sbbly-blky, micrtc, sl frm, irreg-hkly frac
pttn, fst strmg pale blu cuts, mod brt blu
rng, rr calc frags
MRLSTN: (10%)

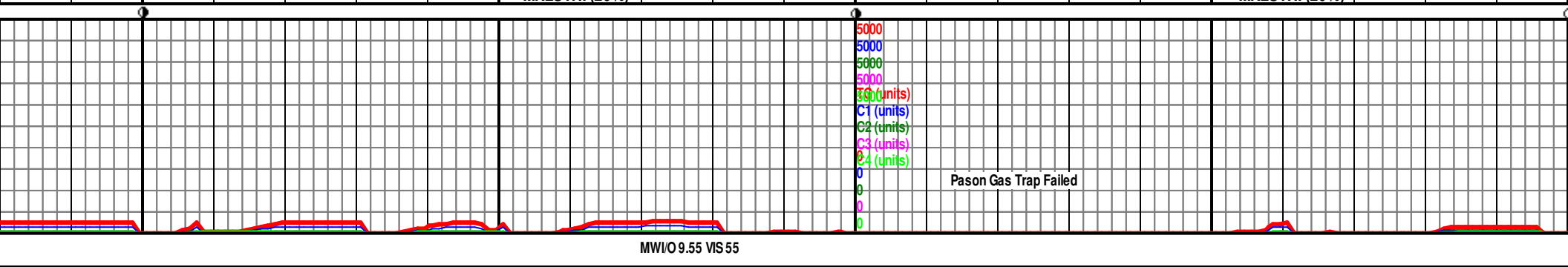
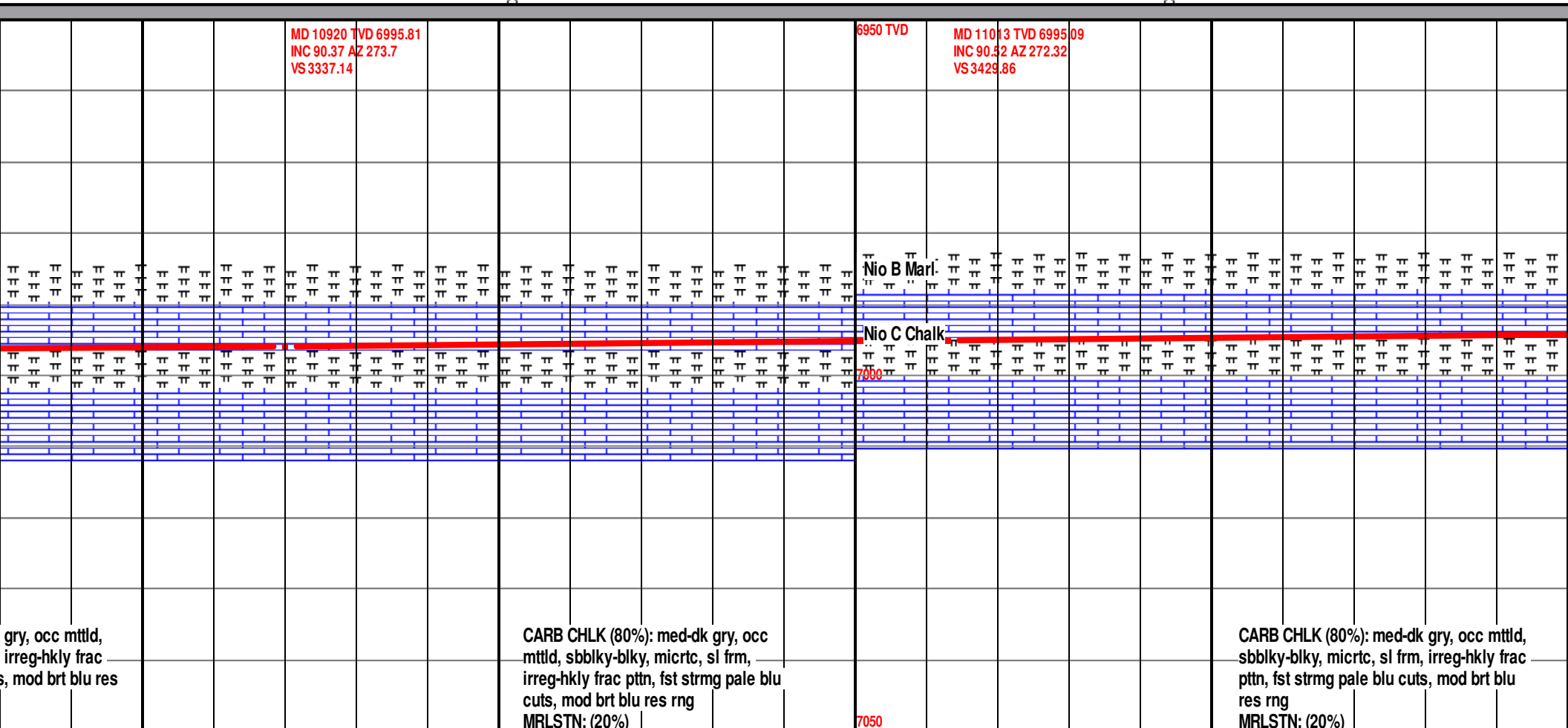
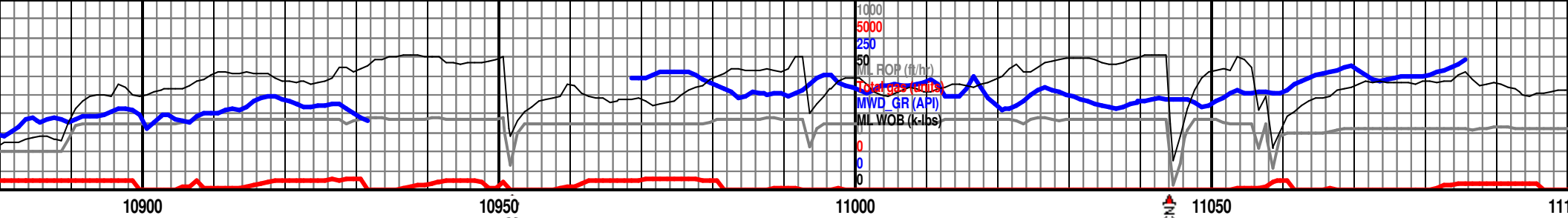
CARB CHLK (90%): med-dk gry, occ mtld,
sbbly-blky, micrtc, sl frm, irreg-hkly frac
pttn, fst strmg pale blu cuts, mod brt blu
res rng, rr calc frags
MRLSTN: (10%)

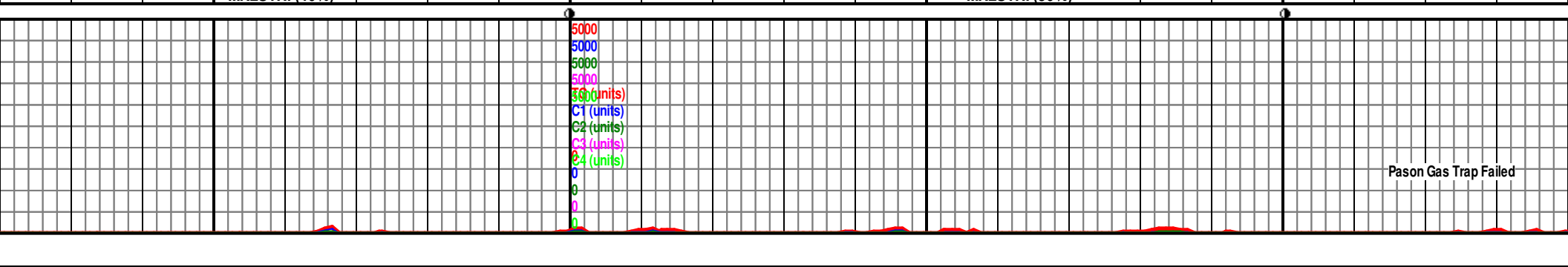
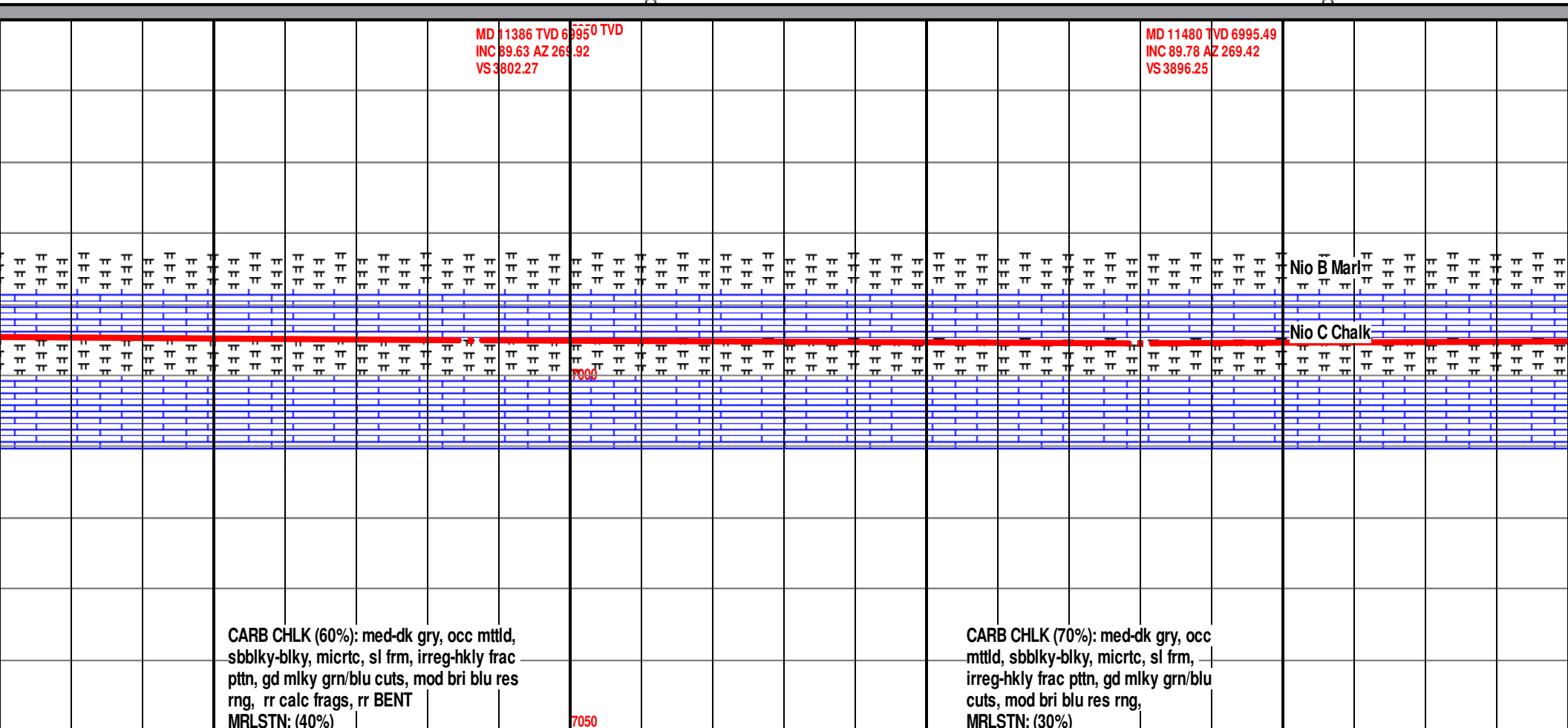
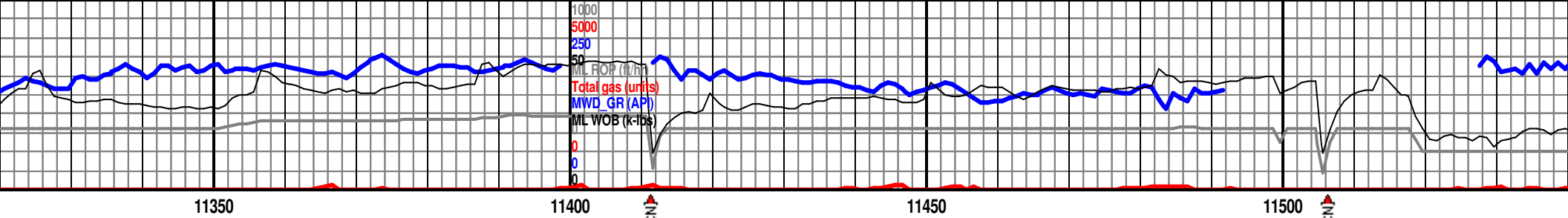
7050

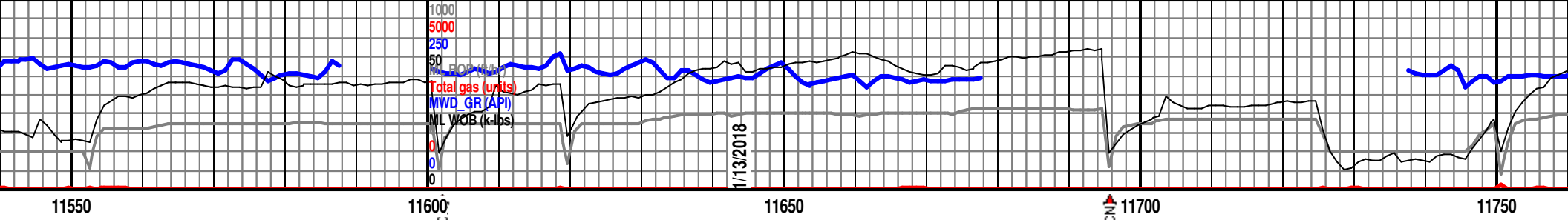
CARB
sbbly
pttn, fs
res rn
MRLST

Pason Gas Trap Failed





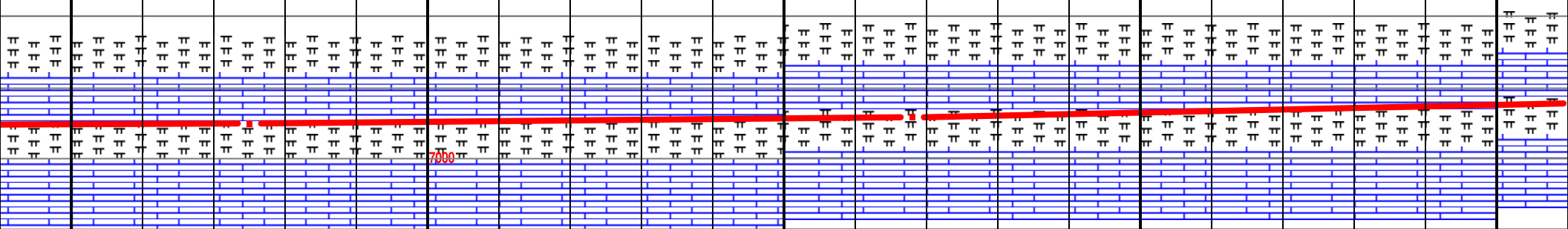




MD 11575	TVD 6995.13
INC 90.65	AZ 267.99
VS 3991.25	

6950 TVD

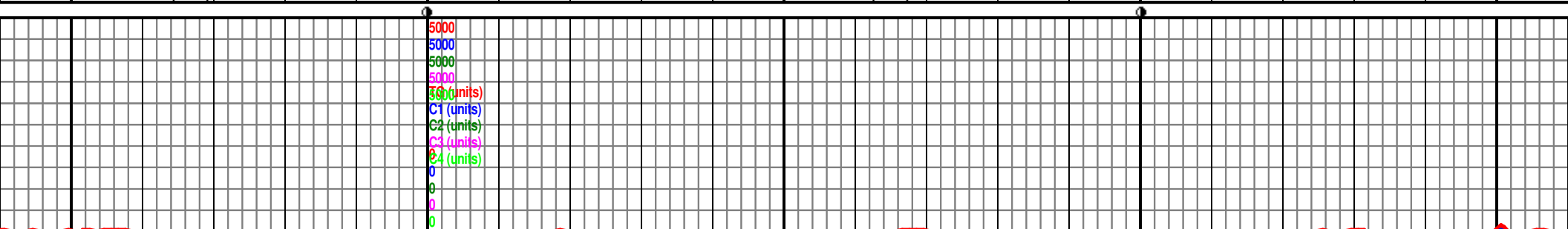
MD 11668	TVD 6994.08
INC 90.65	AZ 267.69
VS 4084.23	

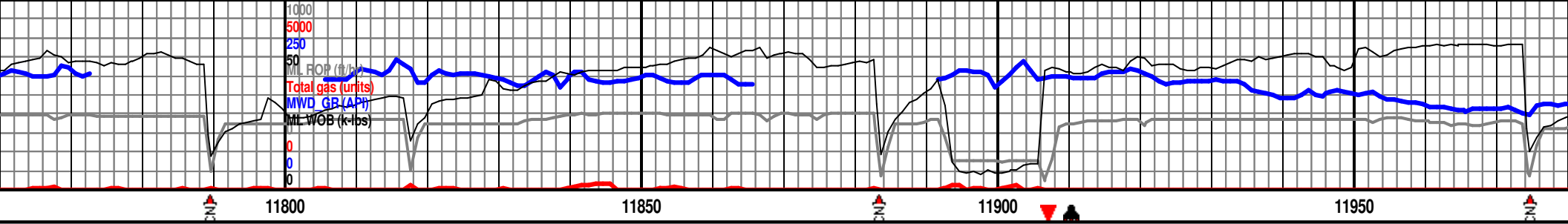


CARB CHLK (70%): med-dk gry, occ
mtld, sbblky-blky, micrtc, sl frm,
irreg-hkly frac ptn, gd mlky grn/blu
cuts, mod bri blu res rng
MRLSTN: (30%)

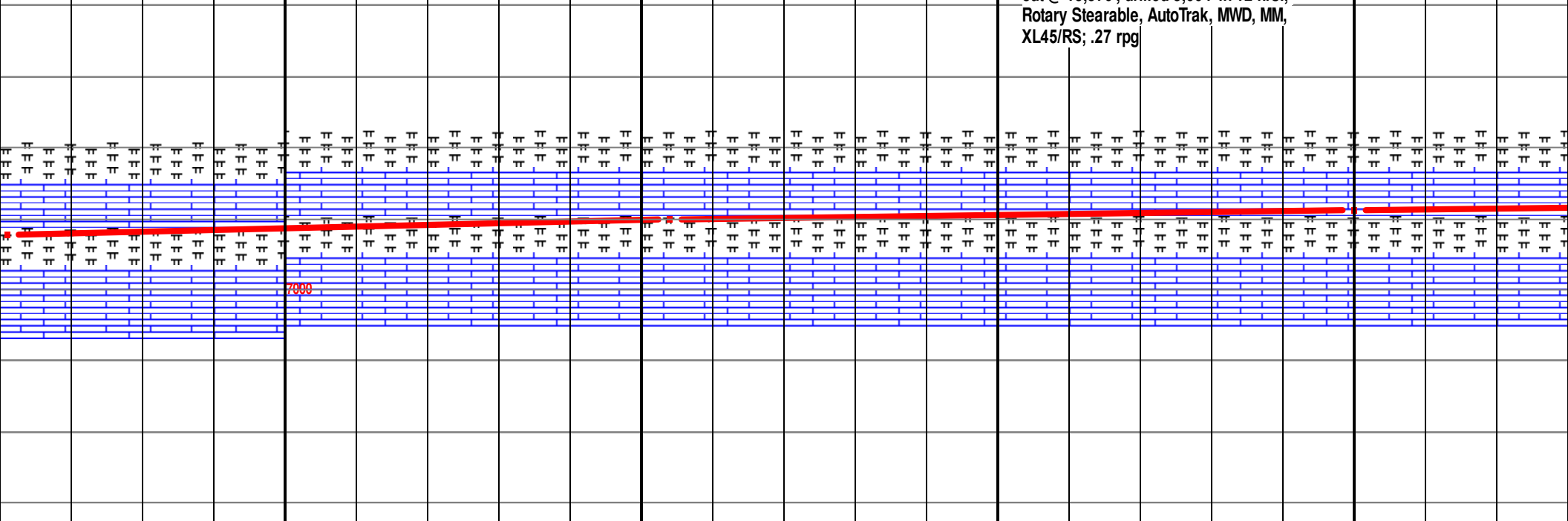
CARB CHLK (70%): med-dk gry, occ
mttd, sbblky-blky, micrtc, sl frm,
irreg-hkly frac ptn, gd mlky grn/blu
cuts, mod bri blu res rng
MRLSTN: (30%)

CAR
mttl
irreg
cuts
MRL

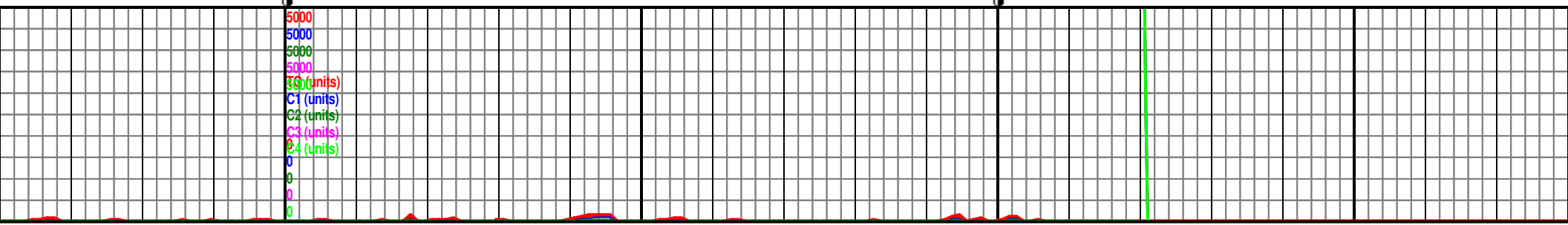


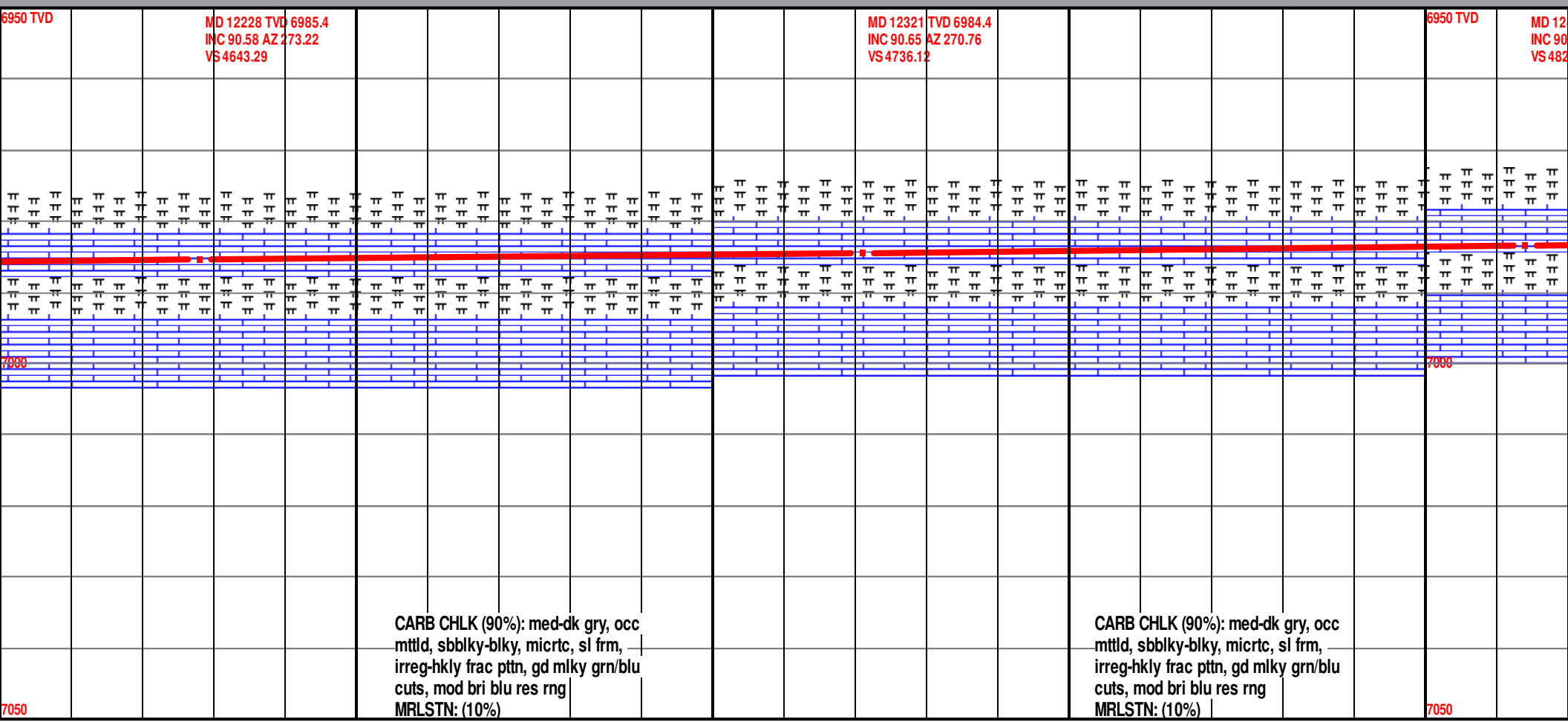
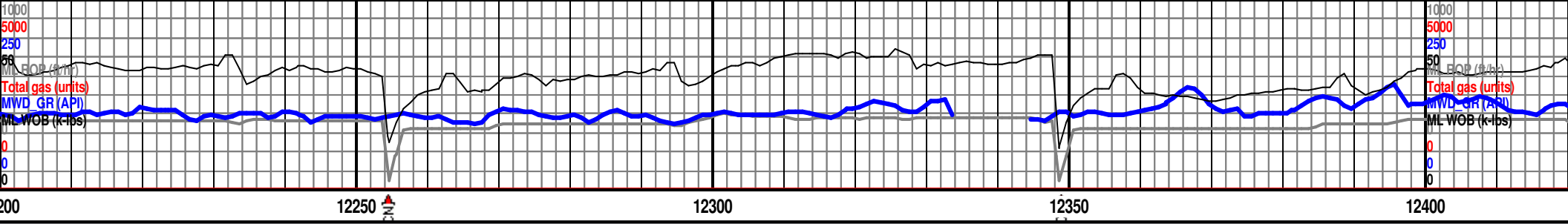


MD 11761 TVD 6992.22 INC 91.63 AZ 269.42 VS 4177.21	6950 TVD	MD 11854 TVD 6990.18 INC 90.89 AZ 270.32 VS 4270.17	TOOH for New BHA #3, 8 1/2", HCC, ATD505X, #7911564, 5X15, In @ 11,906', out @ 15,570', drilled 3,664' in 12 hrs., Rotary Stearable, AutoTrak, MWD, MM, XL45/RS; .27 rpg	MD 11950 TVD 6988.81 INC 90.74 AZ 271.23 VS 4366.09
---	----------	---	--	---



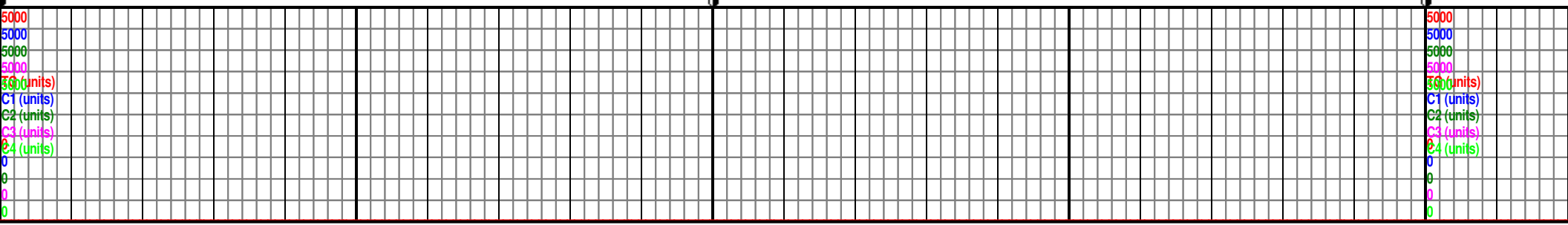
B CHLK (70%): med-dk gry, occ l, sbblky-blky, micrtc, sl frm, -hkly frac ptn, gd mlky grn/blu mod bri blu res rng STN: (30%)	7050	CARB CHLK (80%): med-dk gry, occ mtld, sbblky-blky, micrtc, sl frm, irreg-hkly frac ptn, gd mlky grn/blu cuts, mod bri blu res rng MRLSTN: (20%)	CARB CHLK (80%): med-dk mtld, sbblky-blky, micrtc irreg-hkly frac ptn, gd ml cuts, mod bri blu res rng MRLSTN: (20%)
--	------	--	--

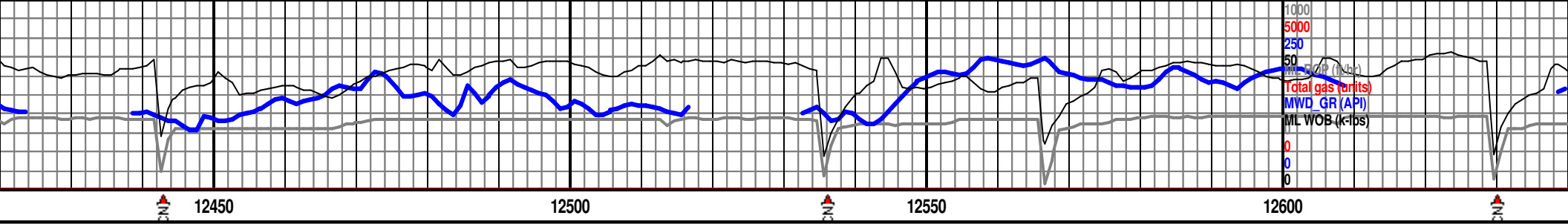




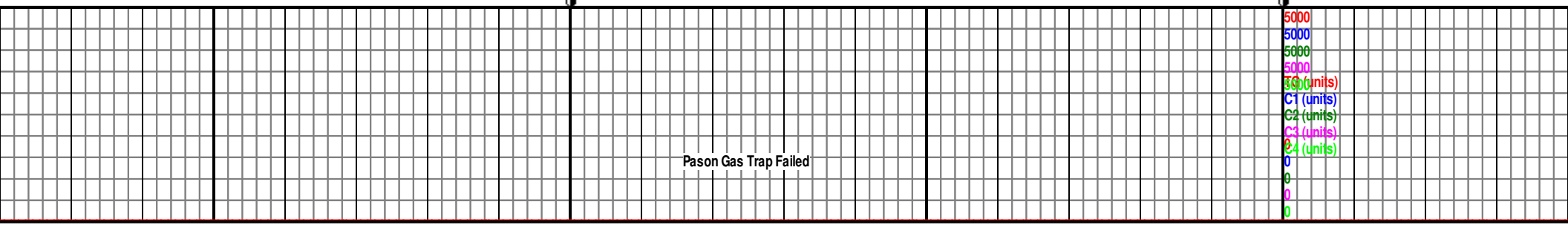
CARB CHLK (90%): med-dk gry, occ
mtld, sbblky-blky, micrtc, sl frm,
irreg-hkly frac ptn, gd mlky grn/blu
cuts, mod bri blu res rng
MRLSTN: (10%)

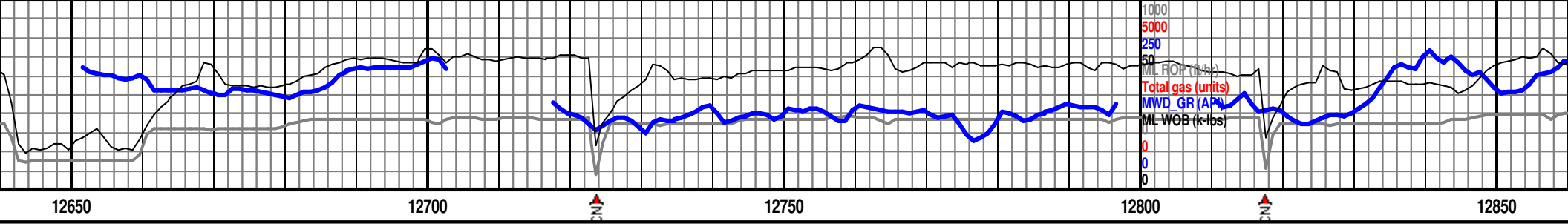
CARB CHLK (90%): med-dk gry, occ
mtld, sbblky-blky, micrtc, sl frm,
irreg-hkly frac ptn, gd mlky grn/blu
cuts, mod bri blu res rng
MRLSTN: (10%)





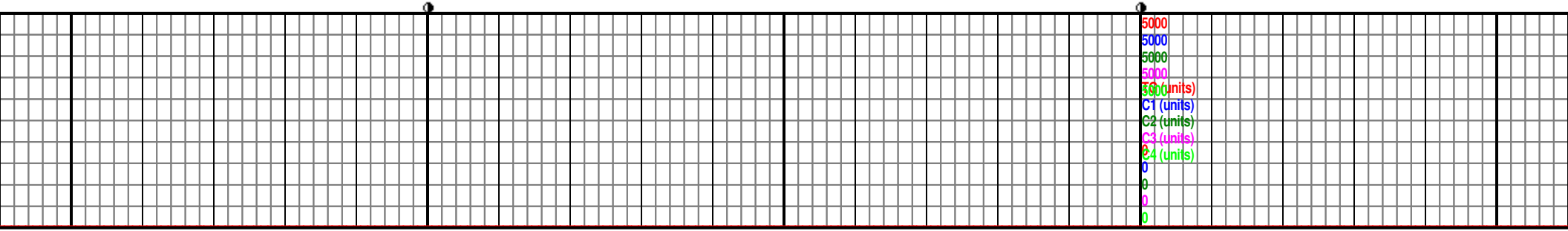
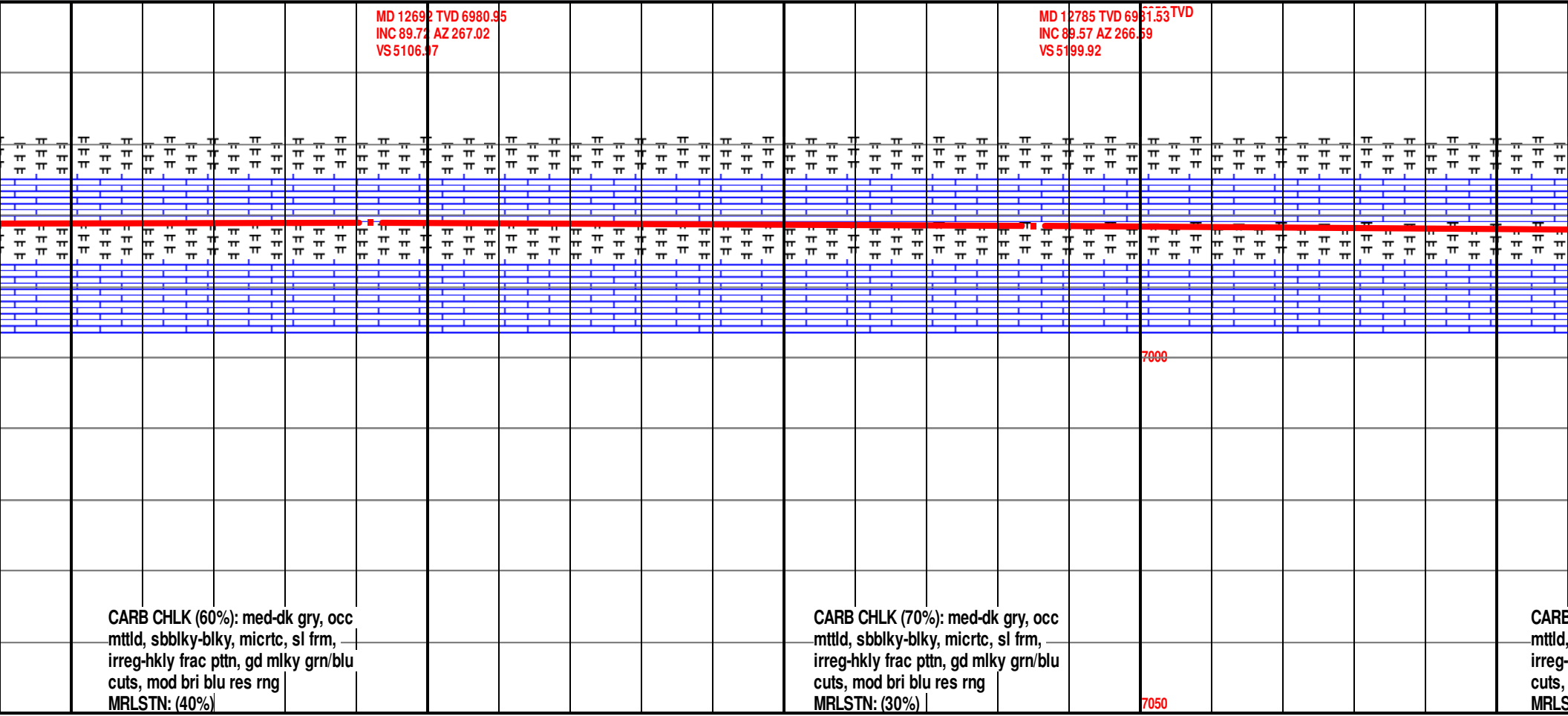
MD 12506 TVD 6982.33 INC 90.68 AZ 269.34 VS 4921										MD 12599 TVD 6981.25 INC 90.65 AZ 267.92 VS 5013.99									
Nio B Marl										Nio B Marl									
Nio C Chalk										Nio C Chalk									
CARB CHLK (80%): med-dk gry, occ mtld, sbblky-blky, micrtc, sl frm, irreg-hkly frac ptn, gd mlky grn/blu cuts, mod bri blu res rng MRLSTN: (20%)										CARB CHLK (60%): med-dk gry, occ mtld, sbblky-blky, micrtc, sl frm, irreg-hkly frac ptn, gd mlky grn/blu cuts, mod bri blu res rng MRLSTN: (40%)									

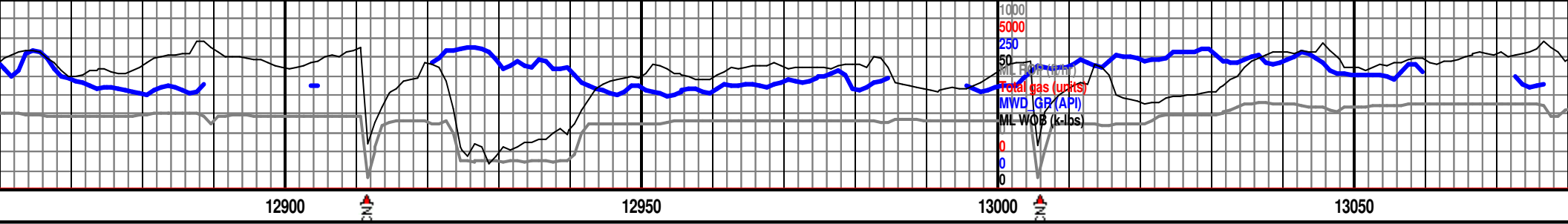




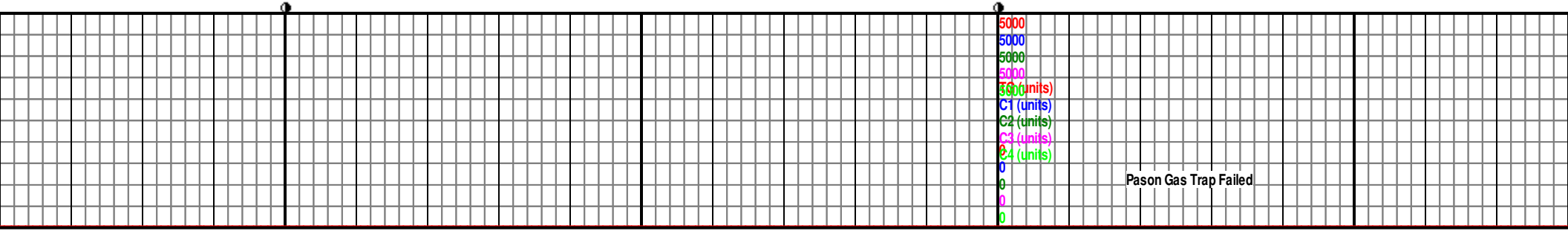
MD 12692 TVD 6980.95
INC 89.72 AZ 267.02
VS 5106.97

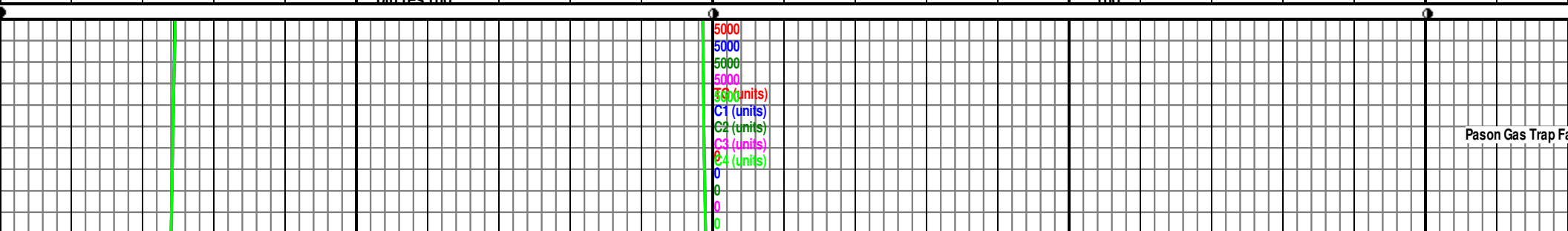
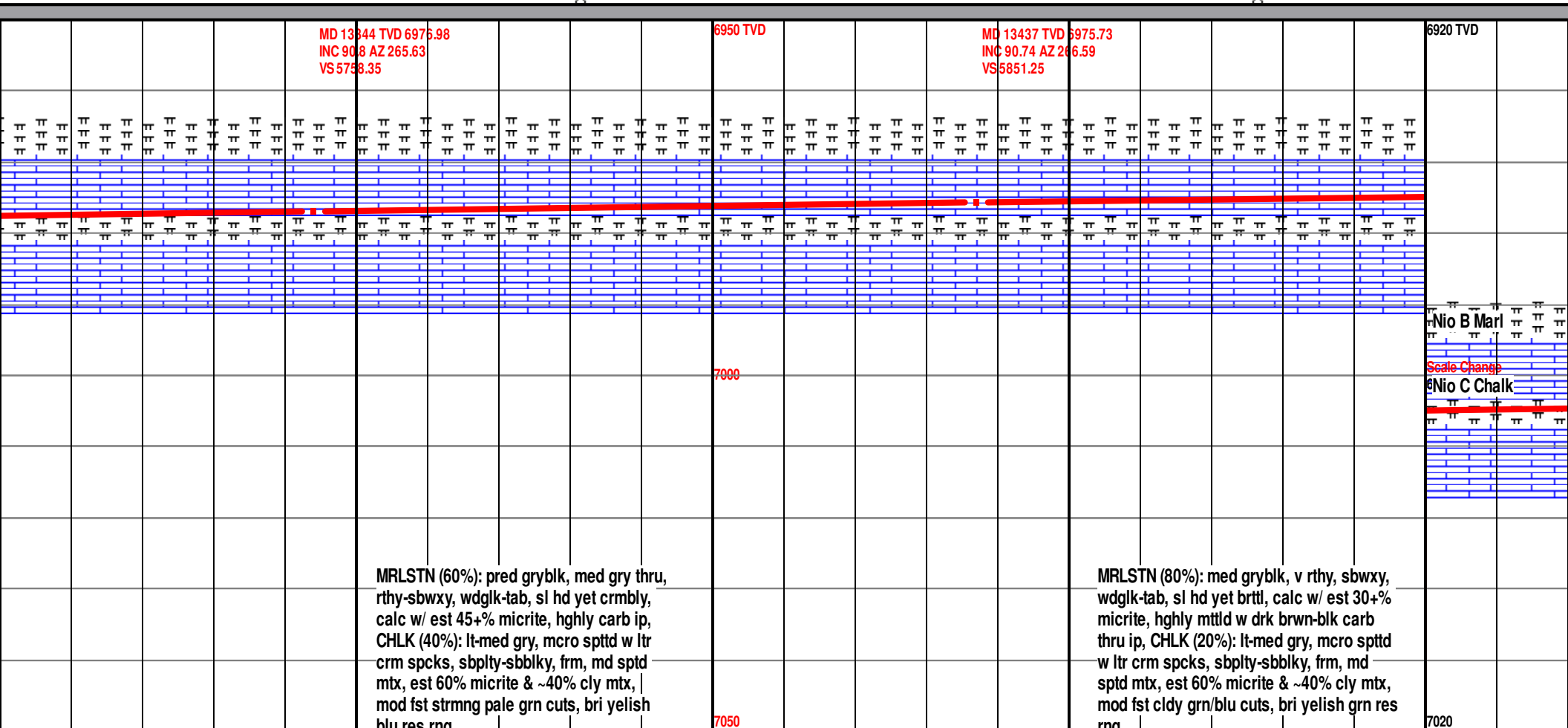
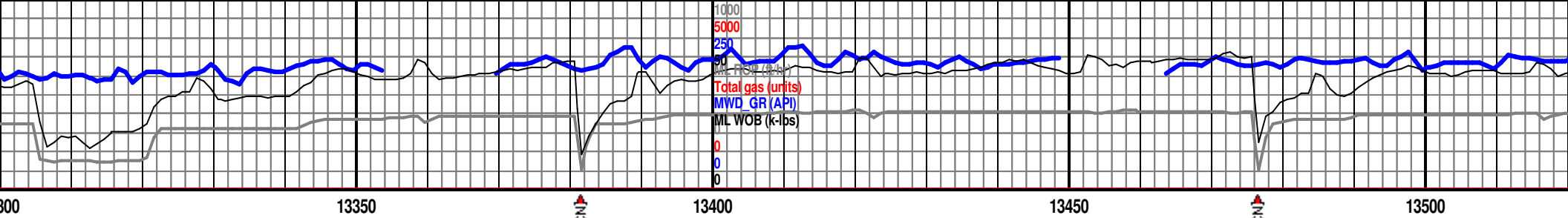
MD 12785 TVD 6981.53 TVD
INC 89.57 AZ 266.59
VS 5199.92

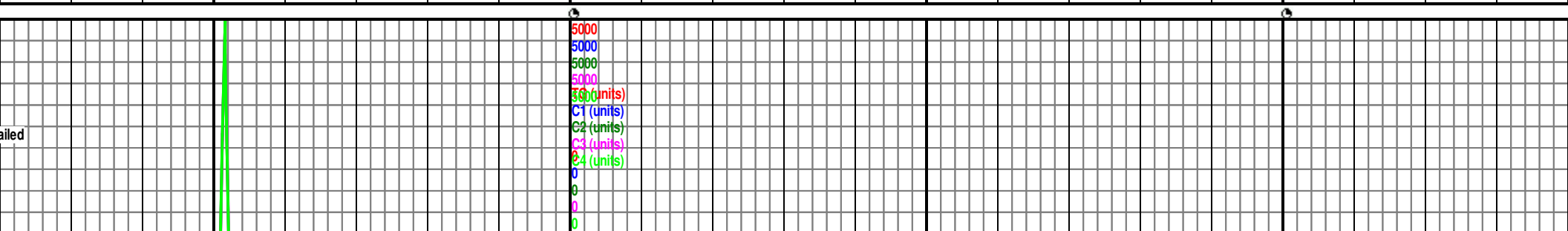
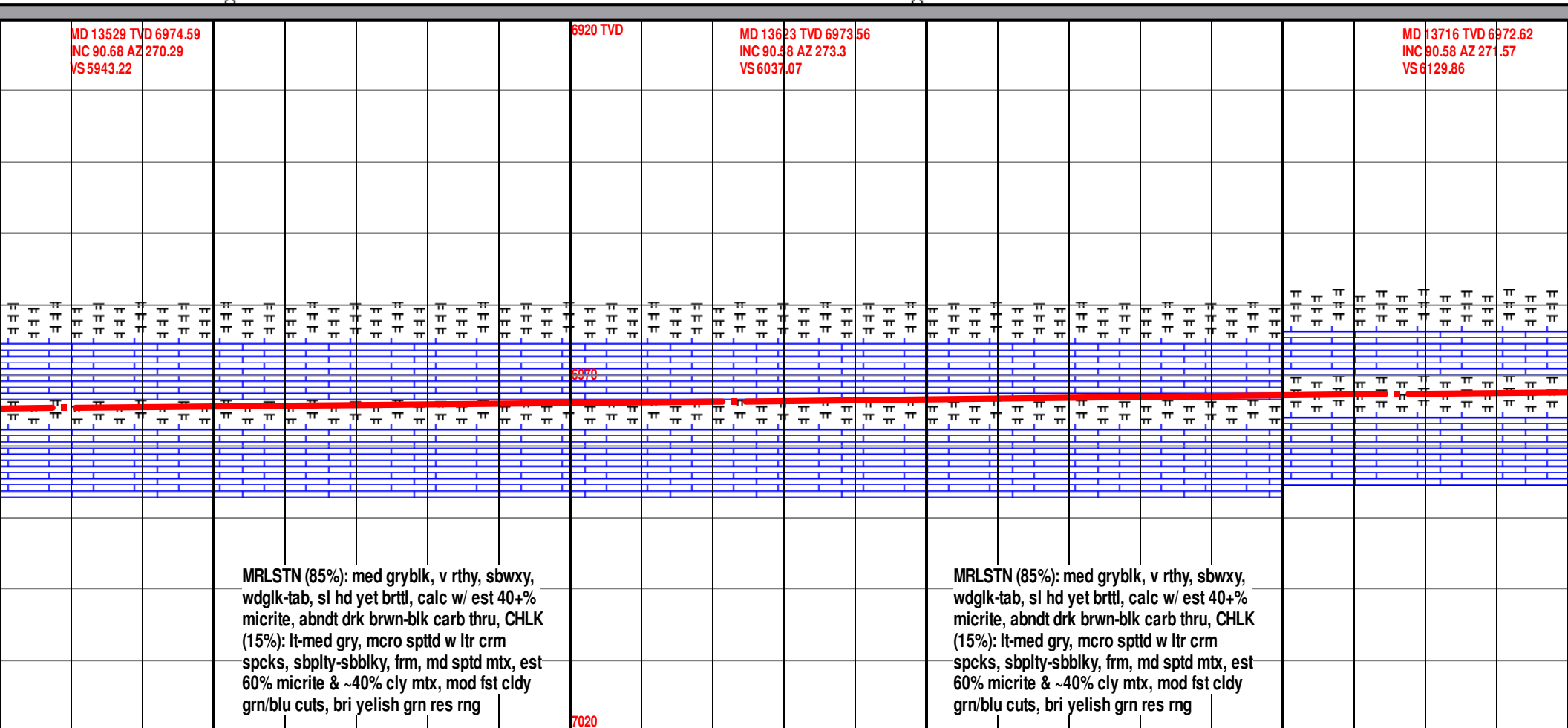


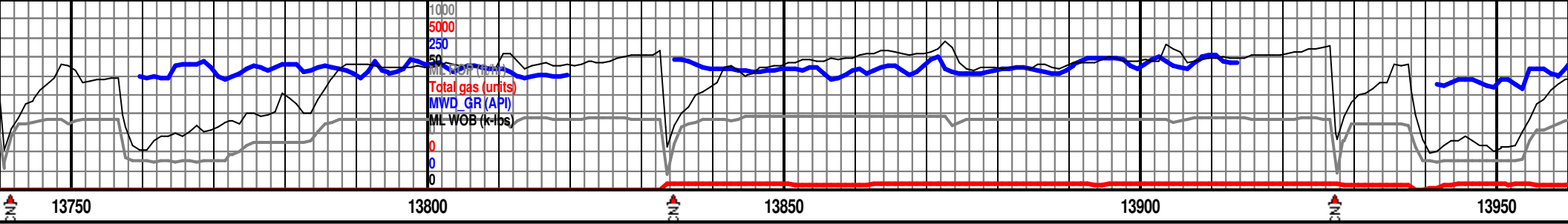


MD 12879 TVD 6982.16 INC 89.66 AZ 265.93 VS 5293.83										MD 12972 TVD 6981.78 INC 90.8 AZ 265.62 VS 5386.71										6950 TVD										MD 13065 TVD 6981.78 INC 90.65 AZ 266.62 VS 5479.6									
Nio B Marl										Nio B Marl										Nio B Marl										Nio B Marl									
Nio C Chalk										Nio C Chalk										Nio C Chalk										Nio C Chalk									
7000										7000										7000										7000									
3 CHLK (60%): med-dk gry, occ sbbkly-blky, micrtc, sl frm, hkly frac ptn, gd mlky grn/blu mod bri blu res rng MRLSTN: (40%)										CARB CHLK (60%): med-dk gry, occ mttld, sbbkly-blky, micrtc, sl frm, irreg-hkly frac ptn, gd mlky grn/blu cuts, mod bri blu res rng MRLSTN: (40%)										7050										CARB CHLK (70%): med-dk gry, occ mttld, sbbkly-blky, micrtc, sl frm, irreg-hkly frac ptn, gd mlky grn/blu mod bri blu res rng MRLSTN: (30%)									



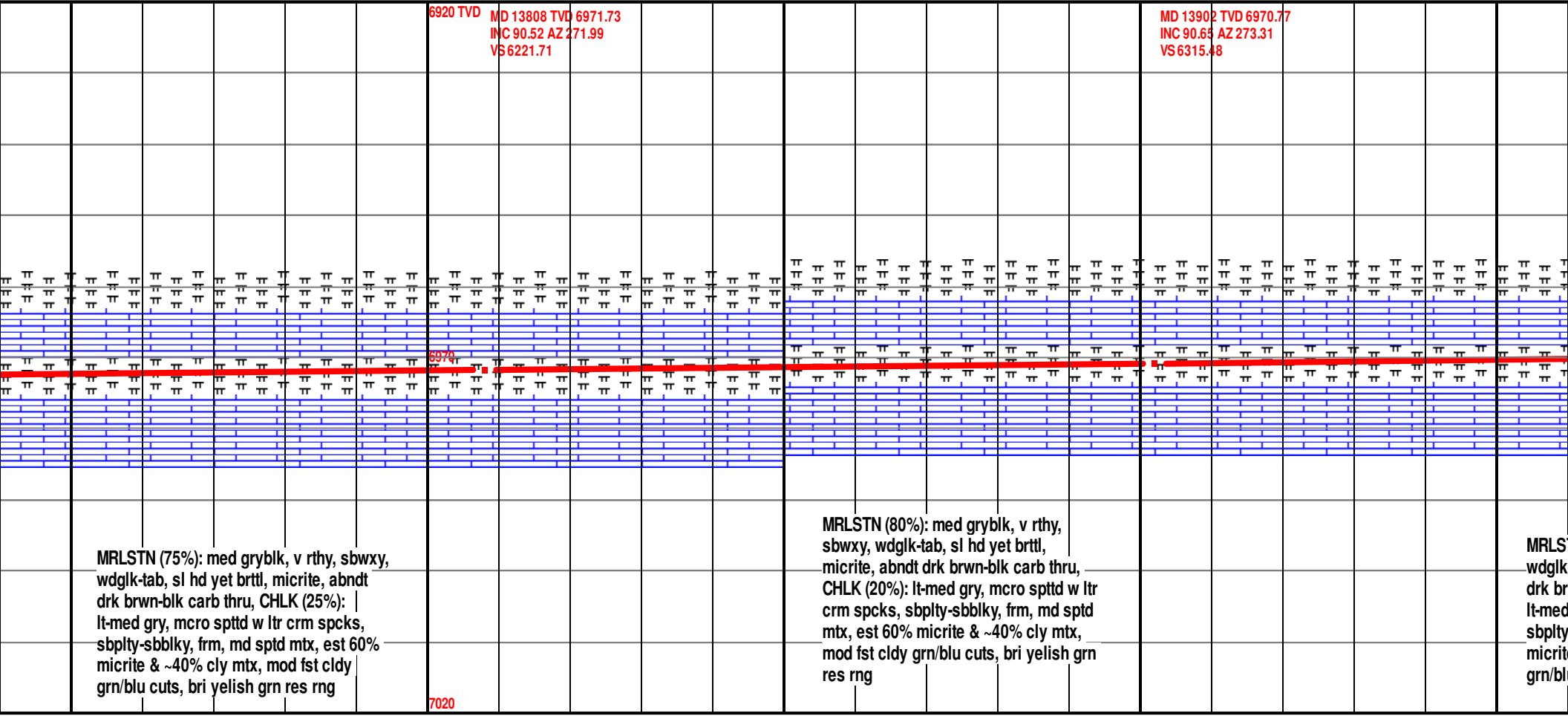






6920 TVD MD 13808 TVD 6971.73
 INC 90.52 AZ 271.99
 VS 6221.71

MD 13902 TVD 6970.77
 INC 90.63 AZ 273.31
 VS 6315.48

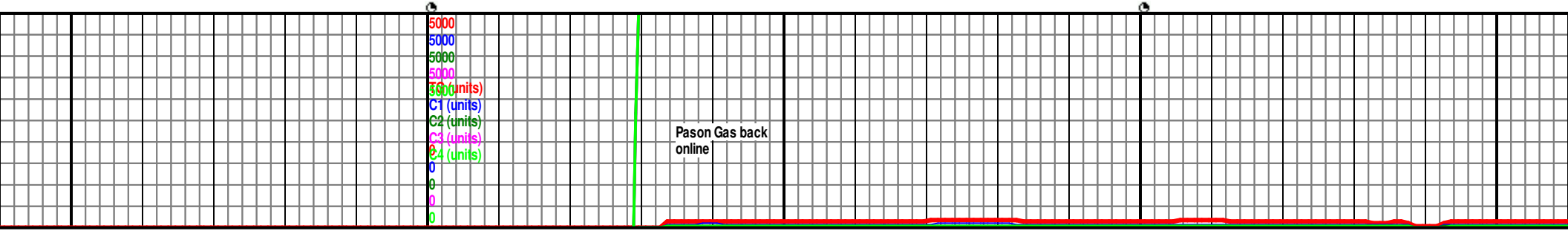


MRLSTN (75%): med gryblk, v rthy, sbwxy, wdgk-tab, sl hd yet brttl, micrite, abndt drk brwn-blk carb thru, CHLK (25%): lt-med gry, mcro spptd w ltr crm spcks, sbply-sbblky, frm, md sptd mtz, est 60% micrite & ~40% cly mtz, mod fst cldy grn/blu cuts, bri yelish grn res rng

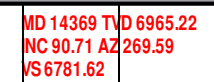
MRLSTN (80%): med gryblk, v rthy, sbwxy, wdgk-tab, sl hd yet brttl, micrite, abndt drk brwn-blk carb thru, CHLK (20%): lt-med gry, mcro spptd w ltr crm spcks, sbply-sbblky, frm, md sptd mtz, est 60% micrite & ~40% cly mtz, mod fst cldy grn/blu cuts, bri yelish grn res rng

MRLS
 wdgk
 drk br
 lt-med
 sbply
 micrite
 grn/bl

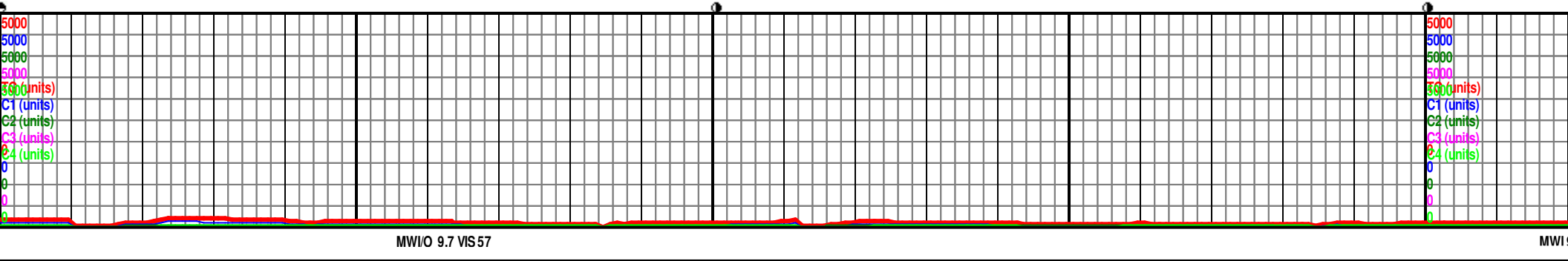
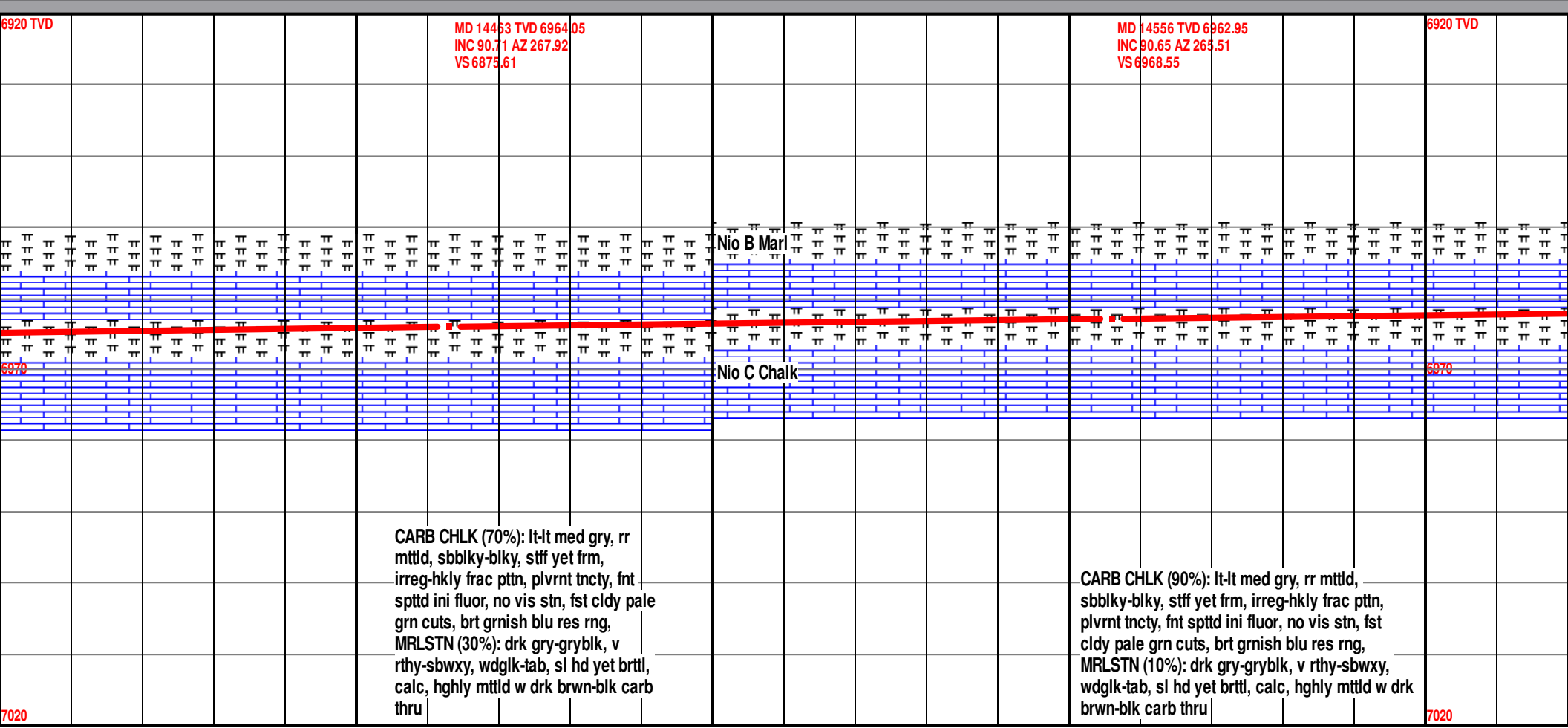
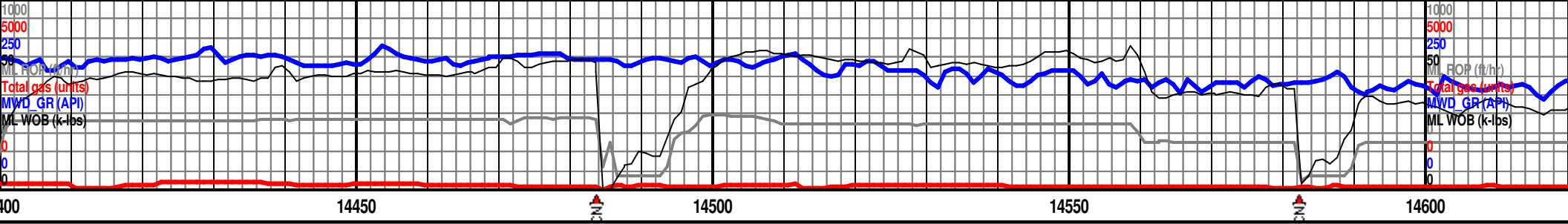
7020

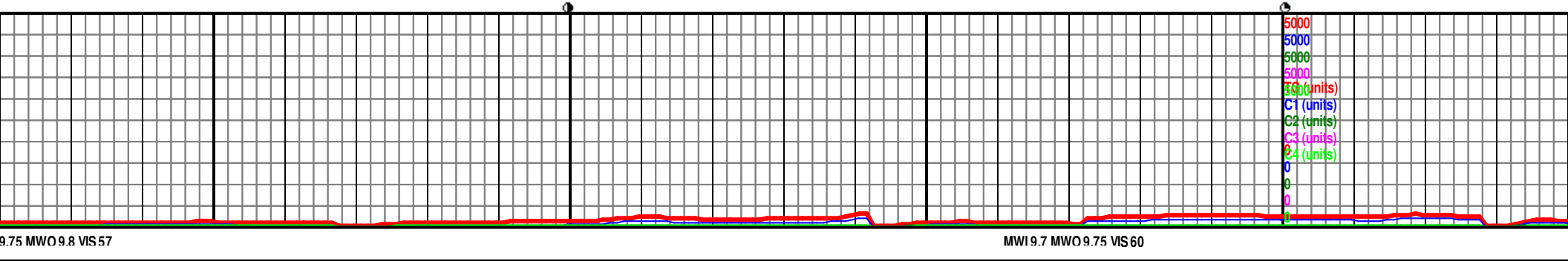
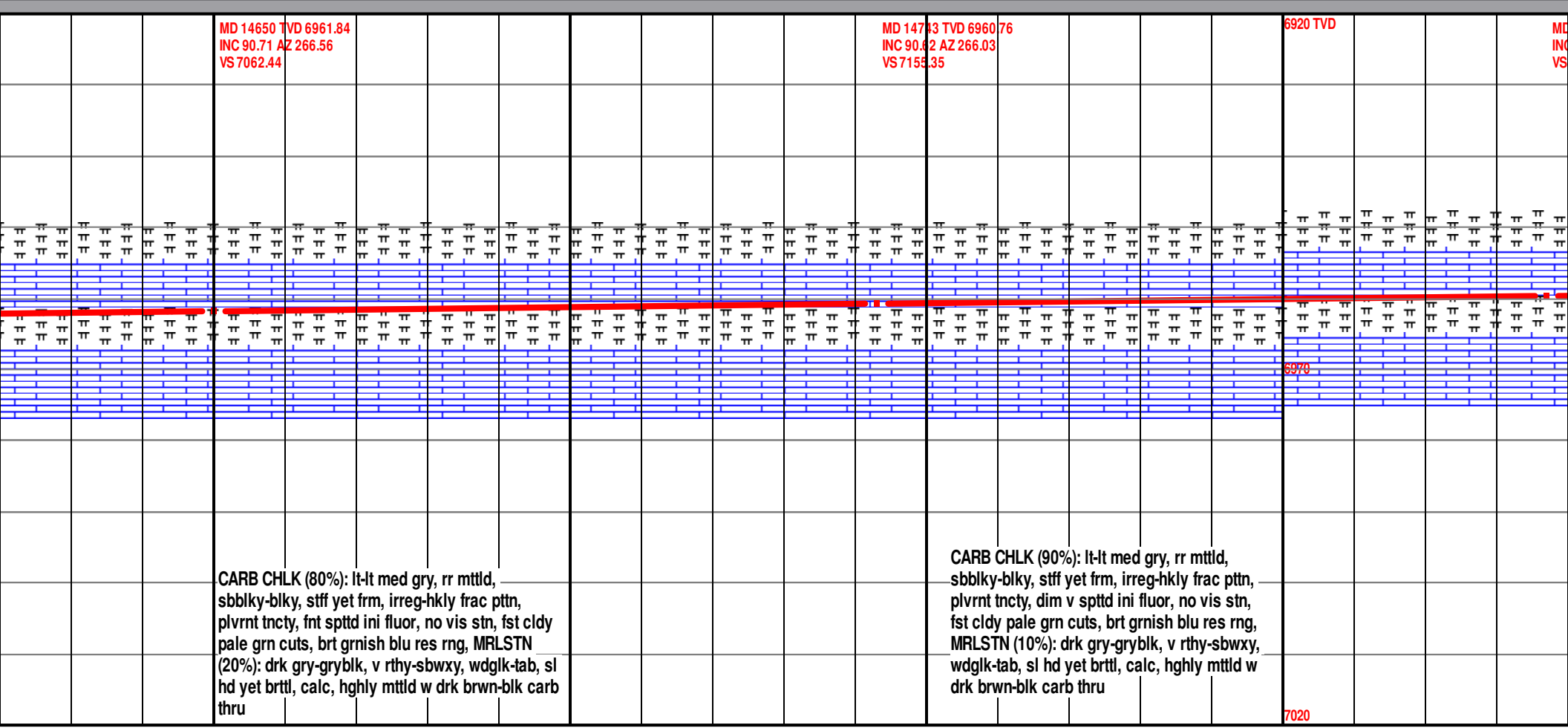
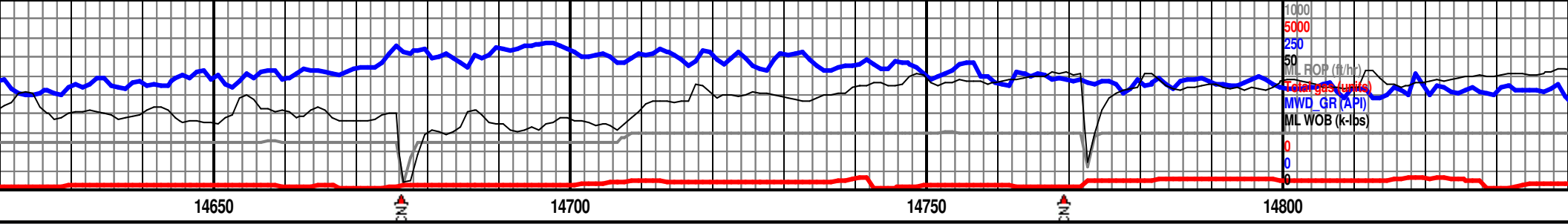


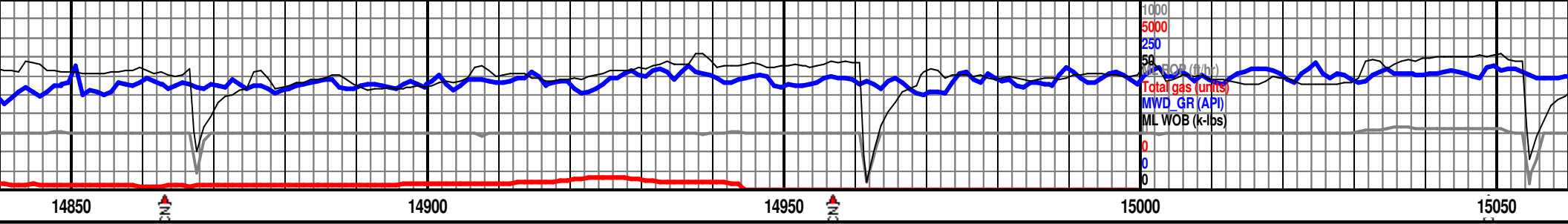
Pason Gas back
 online



CARB CHLK (65%): lt-lt med gry, rr mtild, sbblky-blky, stff yet frm, irreg-hkly frac ptn, plvrnt tncy, fnt spstd ini fluor, no vis stn, fst cldy pale grn cuts, brt grnish blu res rng, **MRLSTN (35%):** drk gry-gryblk, v rthy-sbwxy, wdglk-tab, sl hd yet brtil, calc, ghgly mtild w drk brwn-blk carb thru



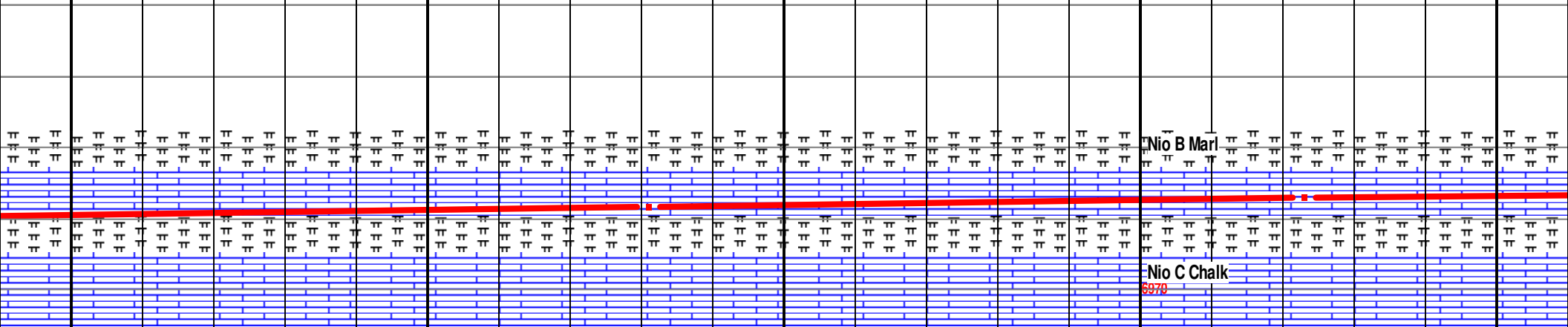




MD 14837 TVD 6959.57
INC 90.83 AZ 245.15
VS 7249.21

MD 14931 TVD 6958.28
INC 90.74 AZ 266.44
VS 7343.08

MD 15023 TVD 6957.09
INC 90.74 AZ 265.37
VS 7434.97

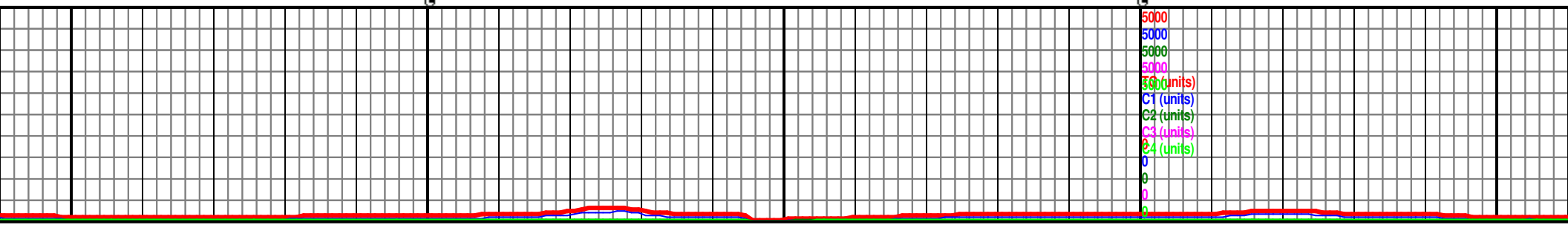


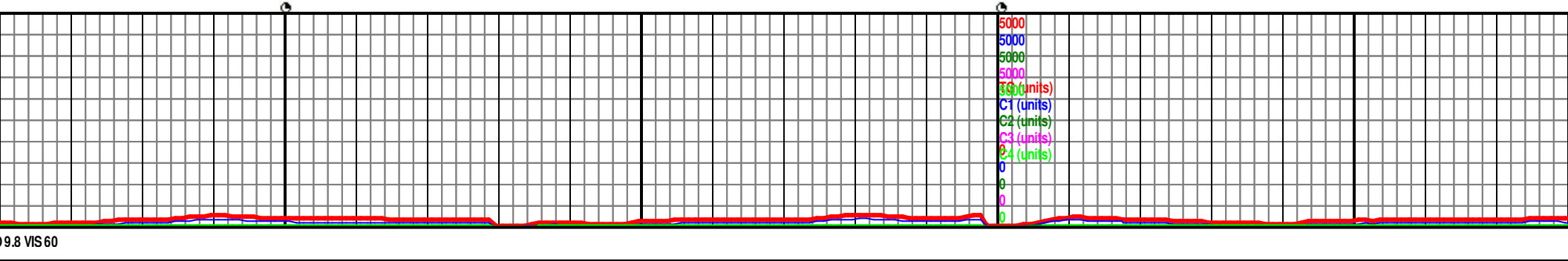
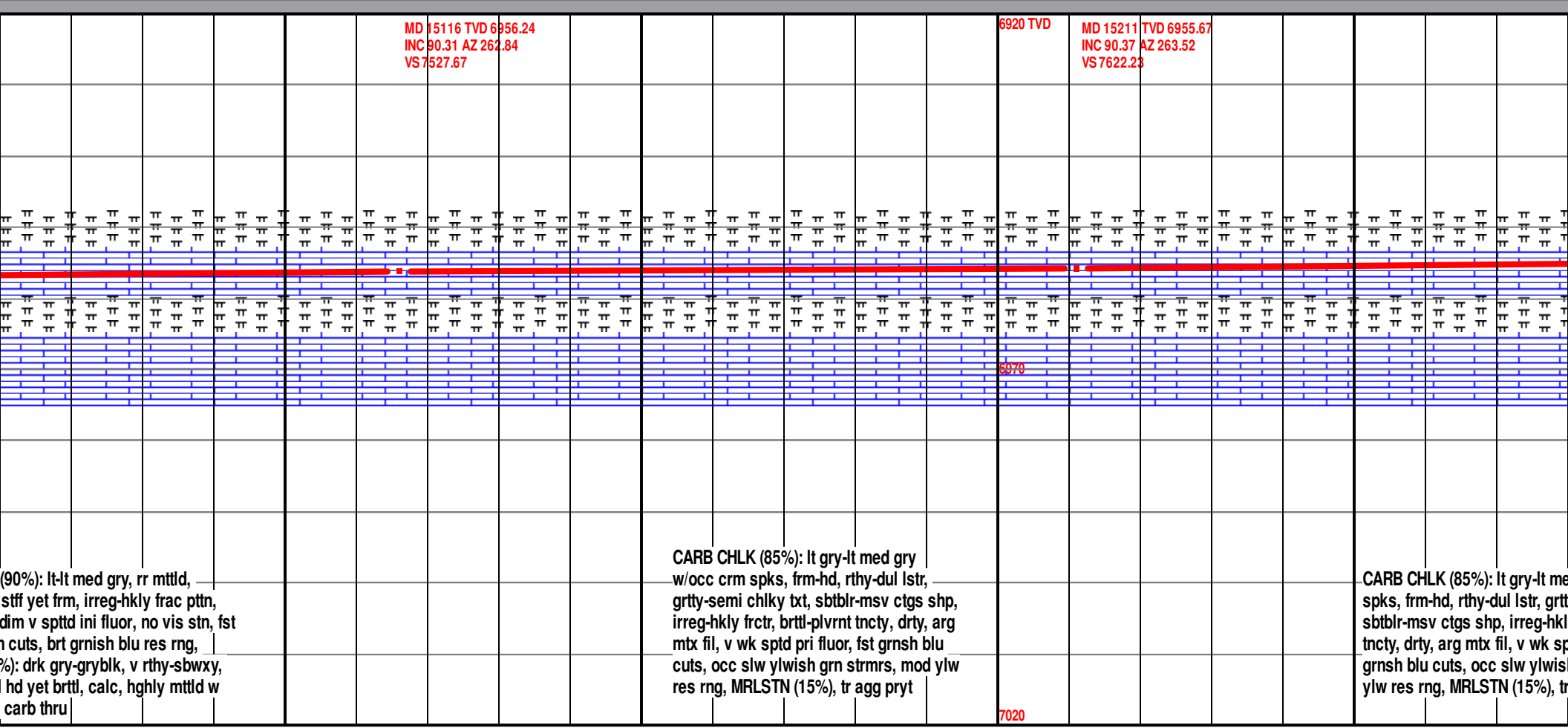
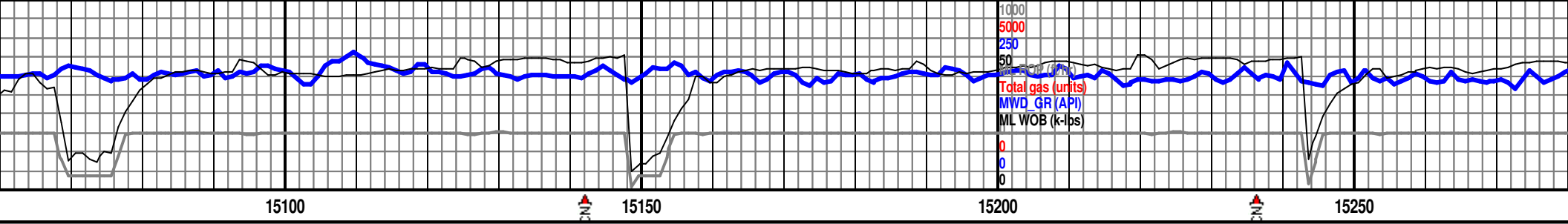
CARB CHLK (85%): lt gry-lt med gry
w/occ crm spks, frm-hd, rthy-dul lstr,
grtty-semi chiky txt, sbtblr-msv ctgs shp,
irreg-hkly frctr, brttl-plvrnt tncy, drty, arg
mtx fil, v wk sptd pri fluor, fst grnsh blu
cuts, occ slw ylwish grn strms, mod ylw
res rng, MRLSTN (15%), tr agg pryt

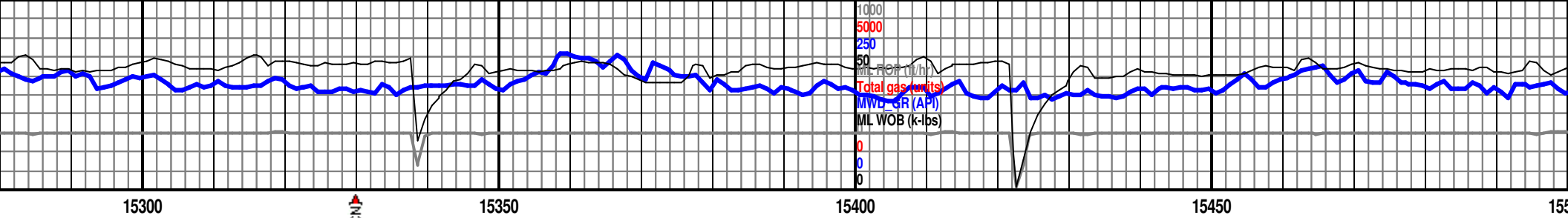
CARB CHLK (95%): lt-lt med gry, rr mttld,
sbbiky-blky, stff yet frm, irreg-hkly frac ptn,
plvrnt tncy, dim v spttd ini fluor, no vis stn,
fst cldy pale grn cuts, brt grnsh blu res rng,
MRLSTN (5%): drk gry-gryblk, v rthy-sbwxy,
wdgk-tab, sl hd yet brttl, calc, hghly mttld w
drk brwn-blk carb thru

CARB CHLK
sbbiky-blky,
plvrnt tncy,
cldy pale grn
MRLSTN (10%)
wdgk-tab, sl
drk brwn-blk

7020



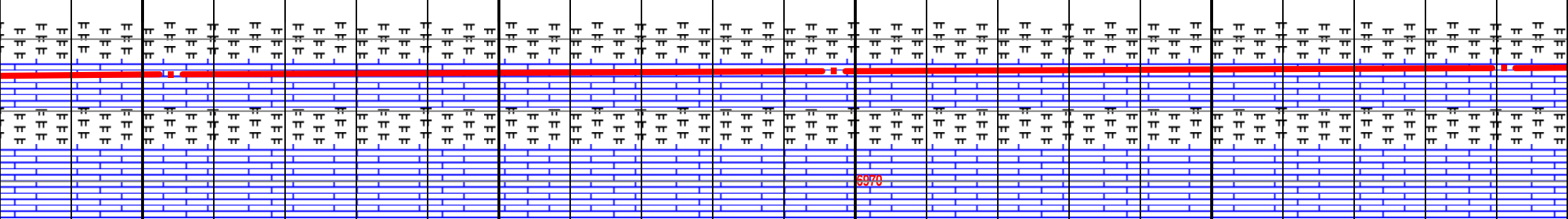




MD 15304 TVD 6955.02
INC 90.43 AZ 264.58
VS 7714.93

MD 15397 TVD 6954.45
INC 90.28 AZ 265.19
VS 7807.72

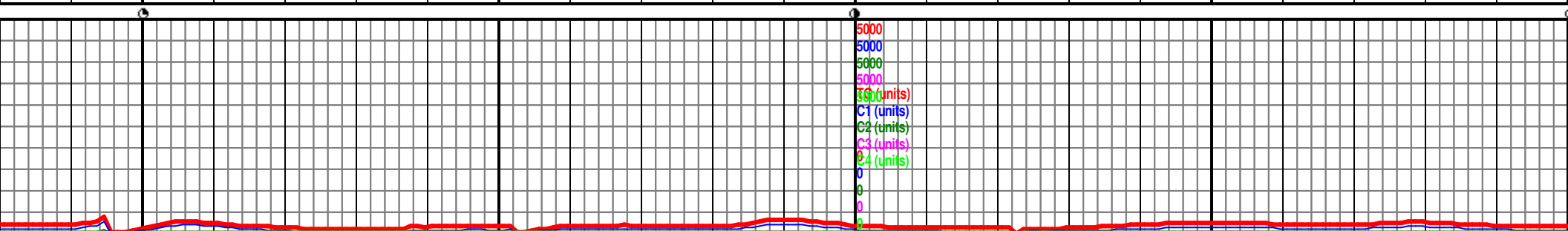
MD 15491
INC 90.31
VS 7901.6

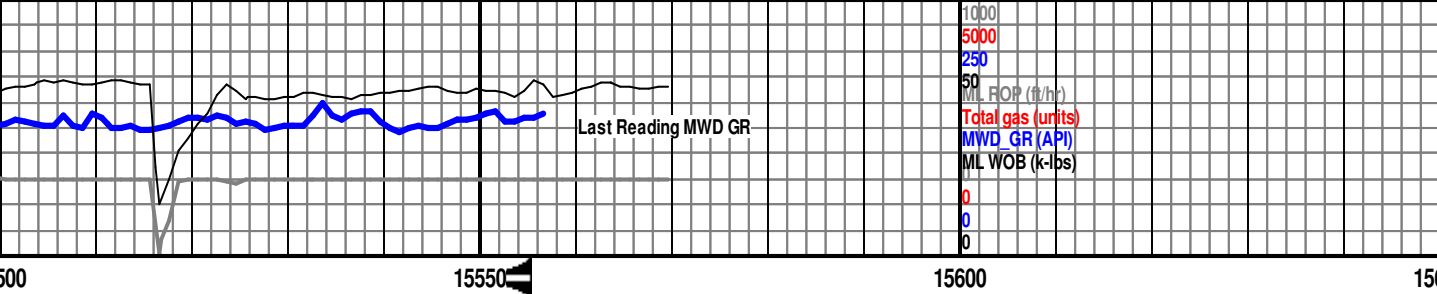


ed gry w/occ crm
y-semi chky txt,
y frctr, brttl-plvrnt
otd pri fluor, fst
h grn strms, mod
agg pryt

CARB CHLK (75%): lt-lt med gry, rr mtlid,
sbbiky-biky, stff yet frm, irreg-hkly frac ptn,
plvrnt tncy, fnt sptd ini fluor, no vis str, fst
cldy pale grn cuts, brt grnish blu res rng,
MRLSTN (25%): drk gry-gryblk, v rthy-sbwxy,
wdgk-tab, sl hd yet brttl, calc, hghly mtlid w
drk brwn-blk carb thru

CARB CHLK (90%): lt gry-lt med gry
w/occ crm spks, frm-hd, rthy-dul lstr,
grtty-semi chky txt, sbbblr-msv ctgs
shp, irreg-hkly frctr, brttl-plvrnt tncy,
dry, arg mtx fil, wk sptd pri fluor, fst
grnsh blu cuts, occ slw ylwish grn
strms, mod ylw res rng, MRLSTN (10%)





TVD 6953.96 AZ 266.31	MD 15546 TVD 6953.65 INC 90.34 AZ 263.74 VS 7956.49	MD 15570 TVD 6953.51 INC 90.34 AZ 263.74 VS 7980.4	6920 TVD																																								
Reached DMTD of 15,570' @ 12:00 hrs on 1/14/2018																																											
BHA #3, 8 1/2", HCC, ATD505X, #7911564, 5X15, In @ 11,906', out @ 15,570', drilled 3,664' in 12 hrs., Rotary Stearable, AutoTrak, MWD, MM, XL45/RS; .27 rpg																																											
5 1/2" Production Casing set @ 15,555' MD																																											
6970																																											
Formation tops picked by Larry Goolsby and Brian Spitzmiller (GBA)																																											
<table border="1"> <thead> <tr> <th></th><th>MD</th><th>TVD</th><th>SSD</th></tr> </thead> <tbody> <tr> <td>Sharon Springs</td><td>7108'</td><td>6914'</td><td>-2125'</td></tr> <tr> <td>"A" Chalk</td><td>7166'</td><td>6746'</td><td>-2157'</td></tr> <tr> <td>"A" Chalk Base</td><td>7193'</td><td>6964'</td><td>-2175'</td></tr> <tr> <td>"B" Upper Marl</td><td>7413'</td><td>7050'</td><td>-2261'</td></tr> <tr> <td>"B" Chalk</td><td>7438'</td><td>7057'</td><td>-2268'</td></tr> <tr> <td>"B" Marl</td><td>7533'</td><td>7076'</td><td>-2287'</td></tr> <tr> <td>"C" Chalk</td><td>7920'</td><td>7072'</td><td>-2283'</td></tr> <tr> <td>Target Heel</td><td>7650'</td><td>7082'</td><td>-2293'</td></tr> <tr> <td>DMTD</td><td>15570'</td><td>6953'</td><td>-2164'</td></tr> </tbody> </table>					MD	TVD	SSD	Sharon Springs	7108'	6914'	-2125'	"A" Chalk	7166'	6746'	-2157'	"A" Chalk Base	7193'	6964'	-2175'	"B" Upper Marl	7413'	7050'	-2261'	"B" Chalk	7438'	7057'	-2268'	"B" Marl	7533'	7076'	-2287'	"C" Chalk	7920'	7072'	-2283'	Target Heel	7650'	7082'	-2293'	DMTD	15570'	6953'	-2164'
	MD	TVD	SSD																																								
Sharon Springs	7108'	6914'	-2125'																																								
"A" Chalk	7166'	6746'	-2157'																																								
"A" Chalk Base	7193'	6964'	-2175'																																								
"B" Upper Marl	7413'	7050'	-2261'																																								
"B" Chalk	7438'	7057'	-2268'																																								
"B" Marl	7533'	7076'	-2287'																																								
"C" Chalk	7920'	7072'	-2283'																																								
Target Heel	7650'	7082'	-2293'																																								
DMTD	15570'	6953'	-2164'																																								
7020																																											

