

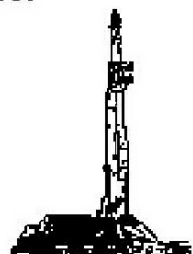
GOOLSBY BROTHERS
and associates, inc.

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: HOOD 23N-22C-M
API: 051234437900
Location: SE/SE Section 20 T6N R66W Weld County, CO.
License Number:
Spud Date: May 2, 2017
Surface Coordinates: 665' FSL 1122' FEL SESE Sec. 20 T6N R66W
Latitude 40°28'05.488"N Longitude 104°47'47.119"W
Bottom Hole Planned: 1397' FSL 2609' FWL Sec: 21 Twp: 6N 66W
Coordinates: Projected: 1394' FSL 2522' FWL Sec: 21 Twp: 6N 66W
Ground Elevation (ft): 4,734' K.B. Elevation (ft): 4,759'
Logged Interval (ft): 6,600' To: 15,315' Total Depth (ft): 15,315' DMTD
Formation: Niobrara C
Type of Drilling Fluid: OBM (LSND Surface).

Region: Wattenberg
Drilling Completed: May 6, 2017

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: Blake Stacey & Dallan Gardner
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 15221' MD.

Casing

9 5/8" Surface Casing pre set @ 1,771' MD.

5 1/2" 20# CDC-HDQ HCP-110 Production Liner Run to 15,299' on 5/7/2017.

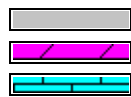
Comments

- 1) Drilling Contractor: Precision Drilling, Rig #562
Pumps 1&2: Rostell F-1600 5" x 12" (.0692 Bbls./stroke)
Toolpusher: Michael Ellingsworth, James Gardner.
- 2) Company Man: Kent Priddy
Kevin Brakovec
Steve Wilson
Tim Jones
- 3) Mud Comapny : Reliable Drilling Fluids
Engineer: Wally Yates, Scott Allen
- 4) Directional Drilling: Baker Hughes
Drillers: Aaron Herskind, Ryan Kielian, Jeremiah Samson
MWD: Matthew Leopold, Baker Remote Field Operations.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Blake Stacey, & Dallan Gardner

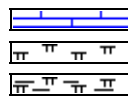
ROCK TYPES



Bent
Cht
Clyst



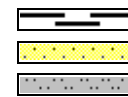
Oil sat.
Dol
Lmst



Chalk
Mrlst
Mrlst_sh (intbddd)



Shale
Shgy
Slty sh



Carb sh
Ss
Slstst

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau

Gyp
 Hvymin
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff

FOSSIL

Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite

Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom

STRINGER

Chlkstg
 Arg
 Bent
 Dol
 Ls
 Mrst
 Sltstrg
 Ssstrg

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

OIL SHOWS

Even
 Spotted
 Ques
 Dead
 Vspotty

near even

POROSITY TYPE

Earthy
 Fenest
 Fracture

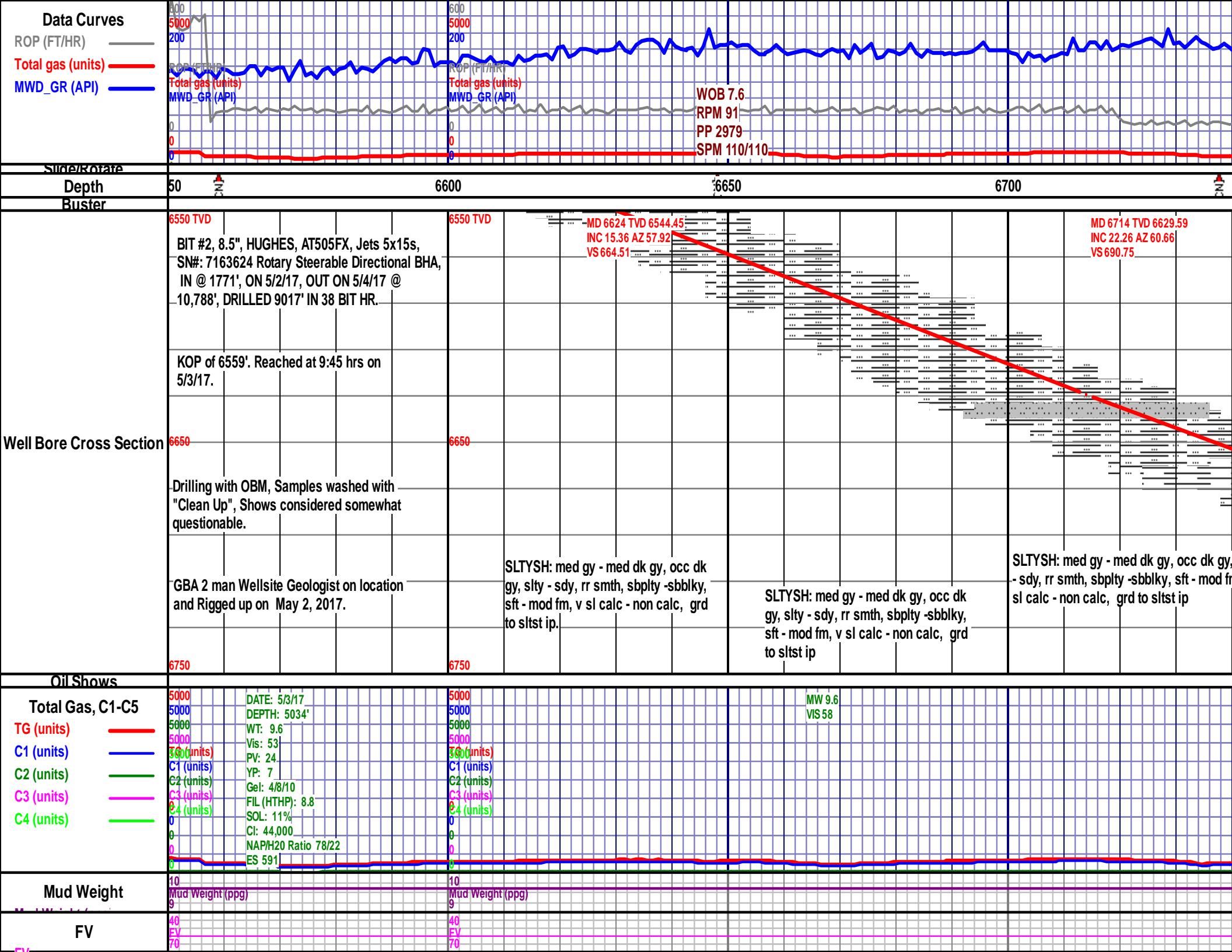
Inter
 Moldic
 Organic
 Pinpoint
 Vuggy

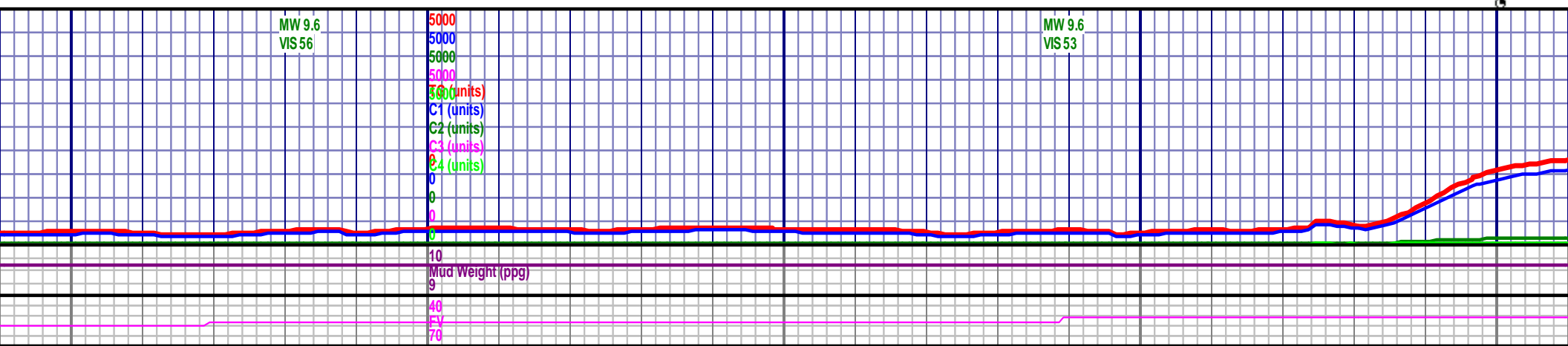
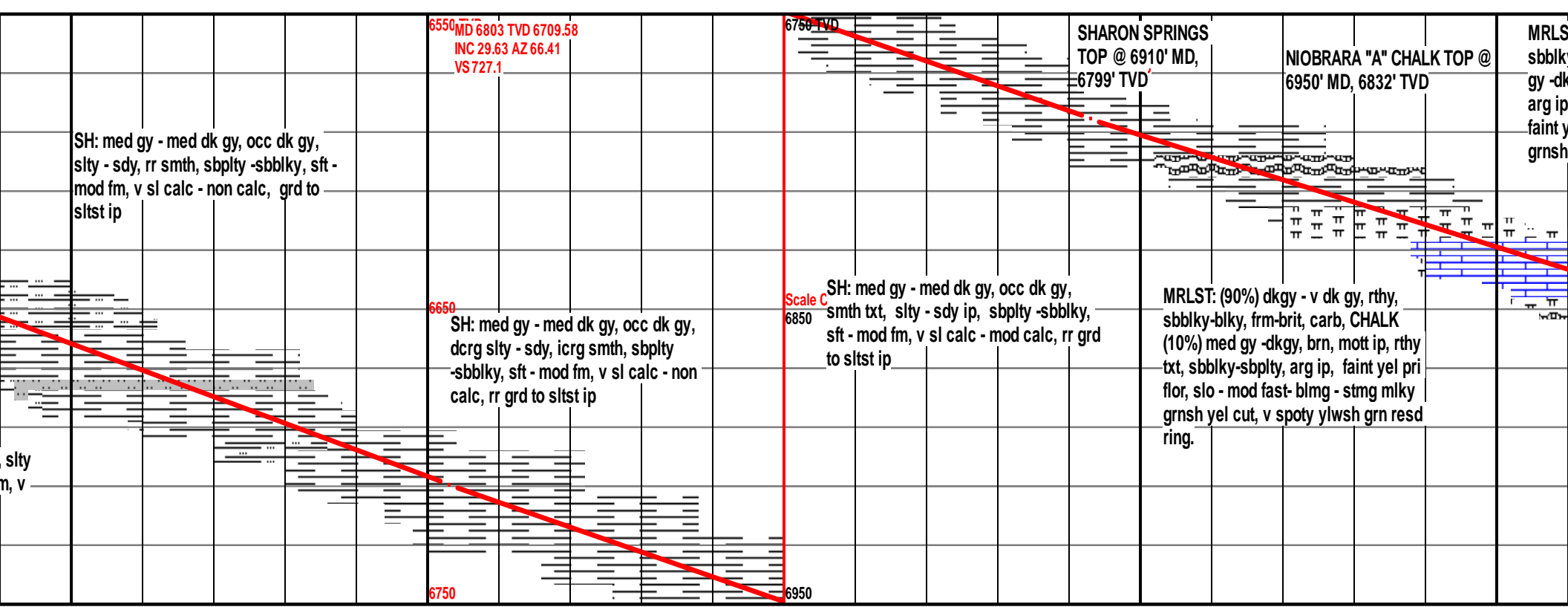
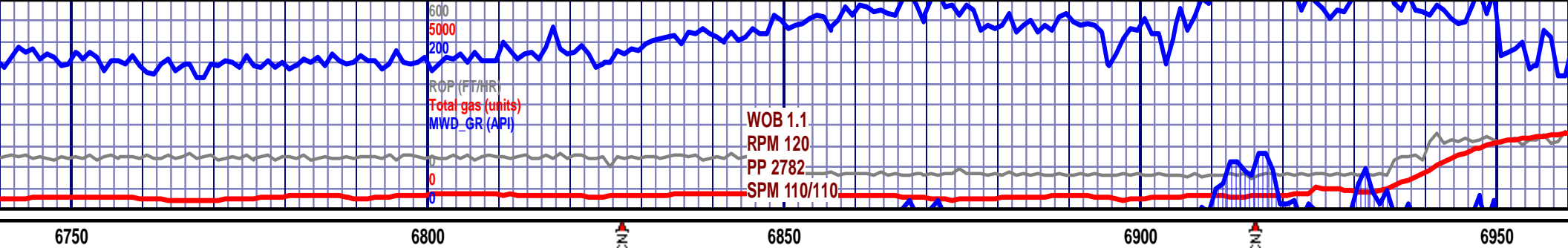
ROUNDING

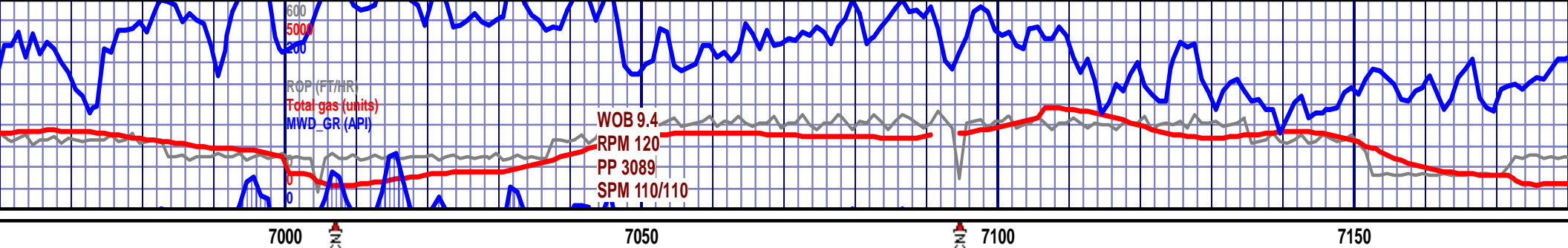
Rounded
 Subrnd
 Subang
 Angular

SORTING

Well
 Moderate
 Poor







T: (85%) dkgy - v dk gy, rthy,
y-blky, frm-brit, carb, CHALK (10%) med
gy, brn, mott ip, rthy txt, sbblky-sbply,
BENT: (5%), lt gy, sft, wxy, yel min flor,
yel pri flor, mod fast blmg - stmg mlky
yel cut, v spoty ylwsh grn resd ring.

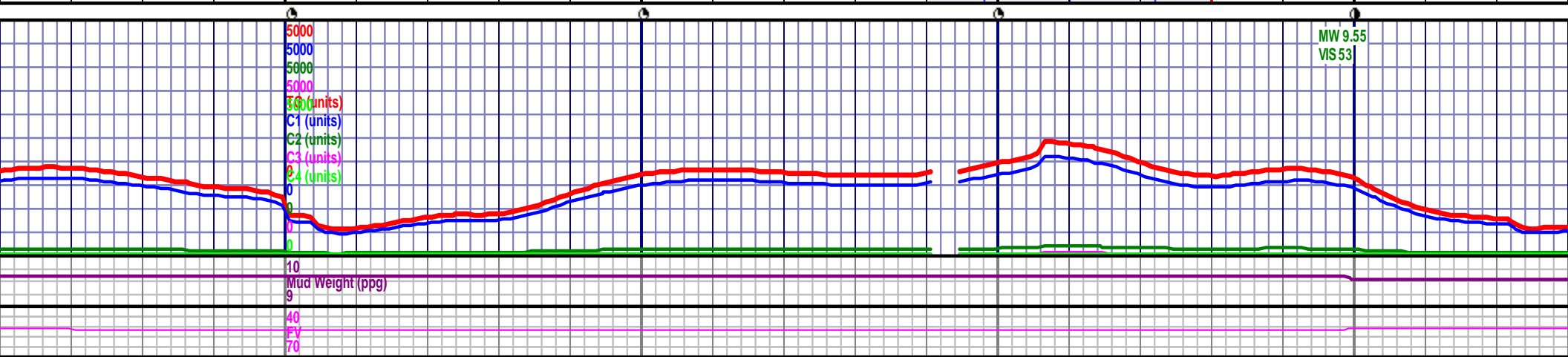
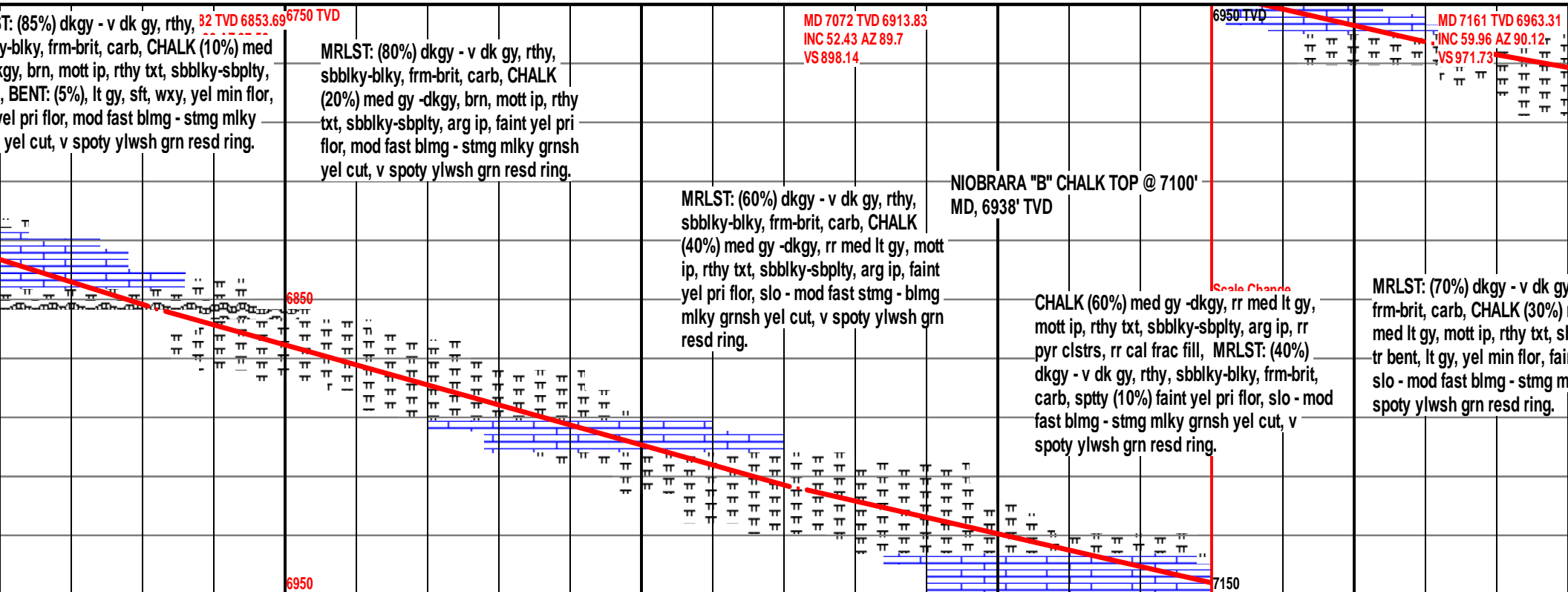
MRLST: (80%) dkgy - v dk gy, rthy,
sbblky-blky, frm-brit, carb, CHALK
(20%) med gy -dkgy, brn, mott ip, rthy
txt, sbblky-sbply, arg ip, faint yel pri
flor, mod fast blmg - stmg mlky grnsh
yel cut, v spoty ylwsh grn resd ring.

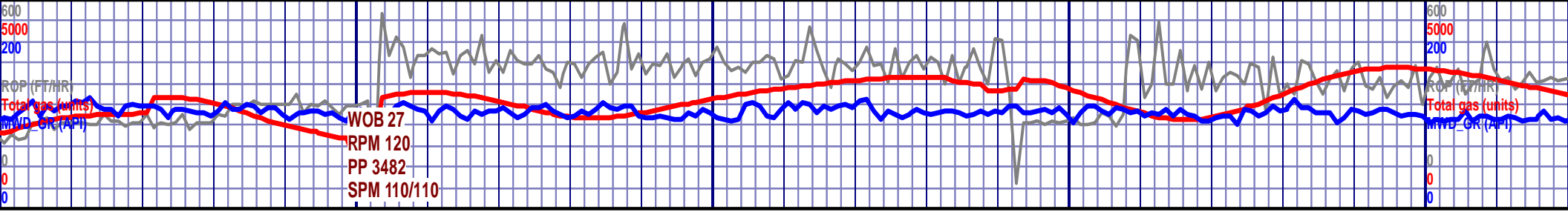
MRLST: (60%) dkgy - v dk gy, rthy,
sbblky-blky, frm-brit, carb, CHALK
(40%) med gy -dkgy, rr med lt gy, mott
ip, rthy txt, sbblky-sbply, arg ip, faint
yel pri flor, slo - mod fast stmg - blmg
mlky grnsh yel cut, v spoty ylwsh grn
resd ring.

NIOBRARA "B" CHALK TOP @ 7100'
MD, 6938' TVD

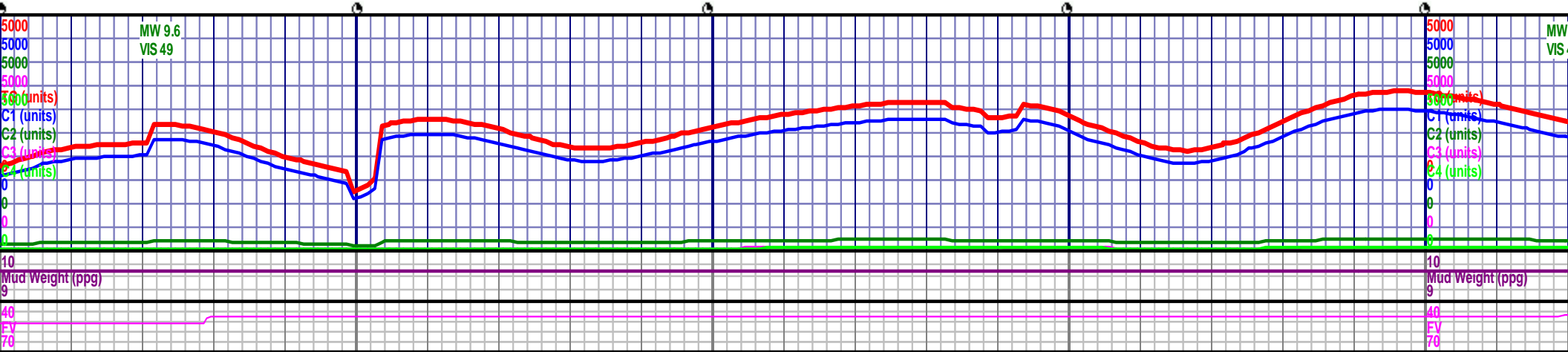
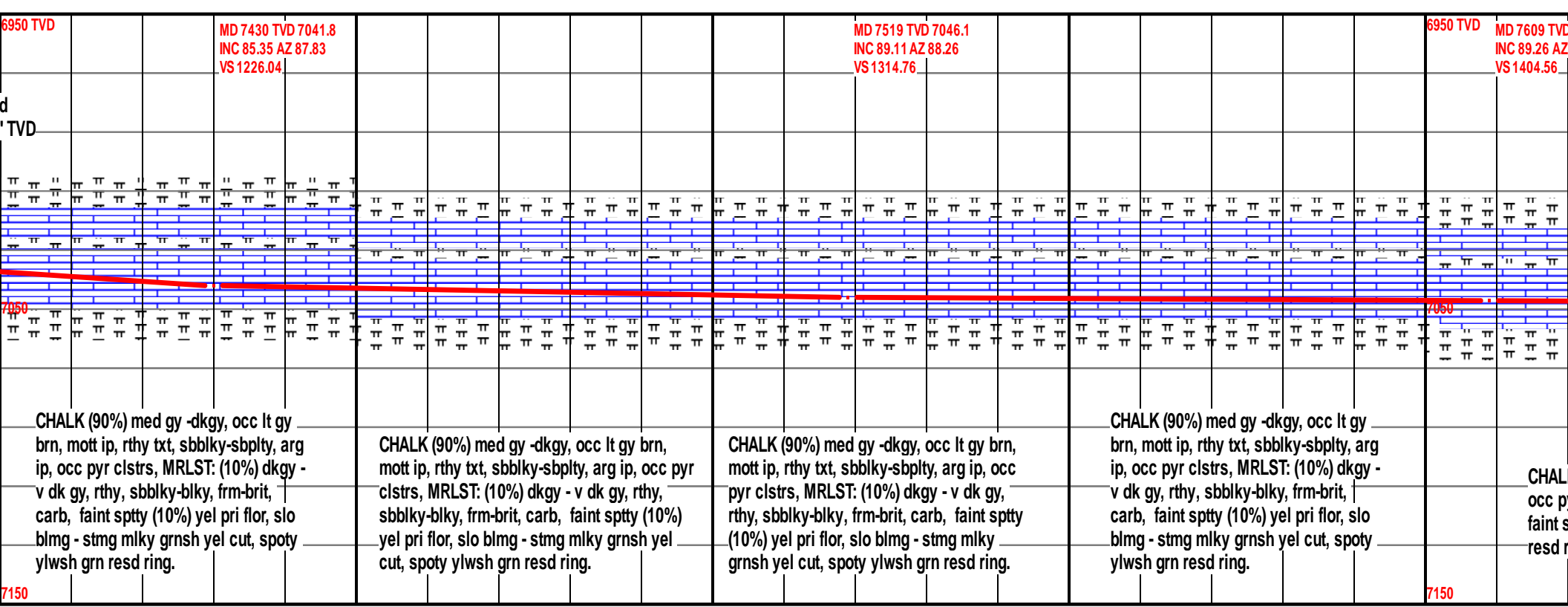
CHALK (60%) med gy -dkgy, rr med lt gy,
mott ip, rthy txt, sbblky-sbply, arg ip, rr
pyr clstrs, rr cal frac fill, MRLST: (40%)
dkgy - v dk gy, rthy, sbblky-blky, frm-brit,
carb, sptty (10%) faint yel pri flor, slo - mod
fast blmg - stmg mlky grnsh yel cut, v
spoty ylwsh grn resd ring.

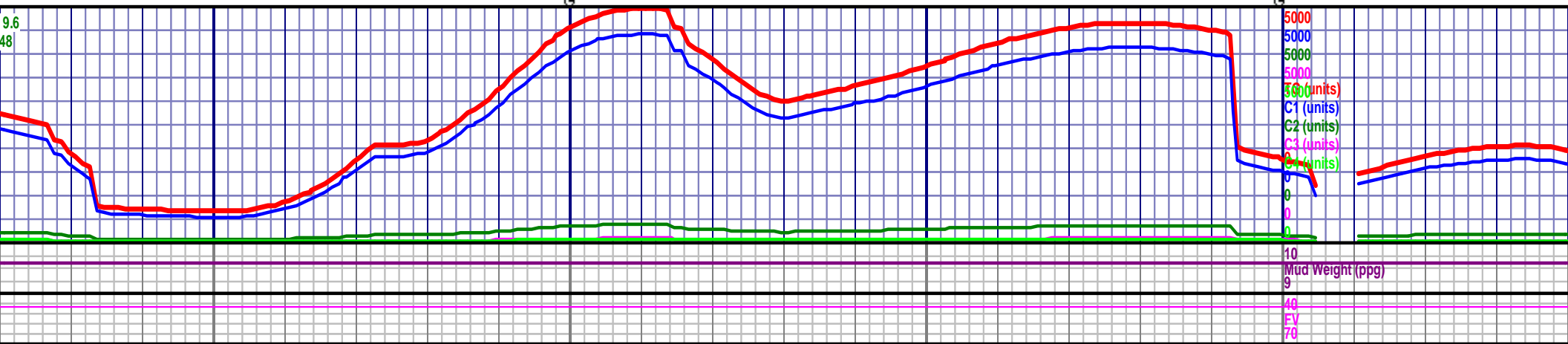
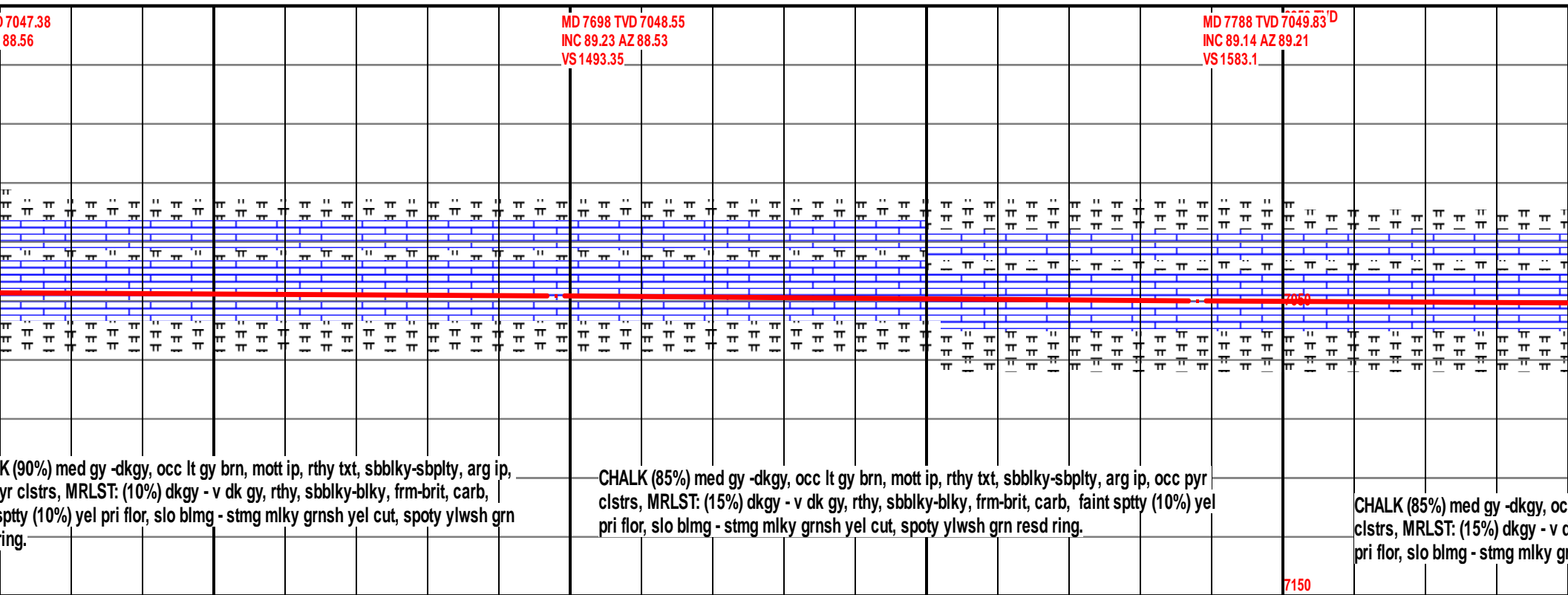
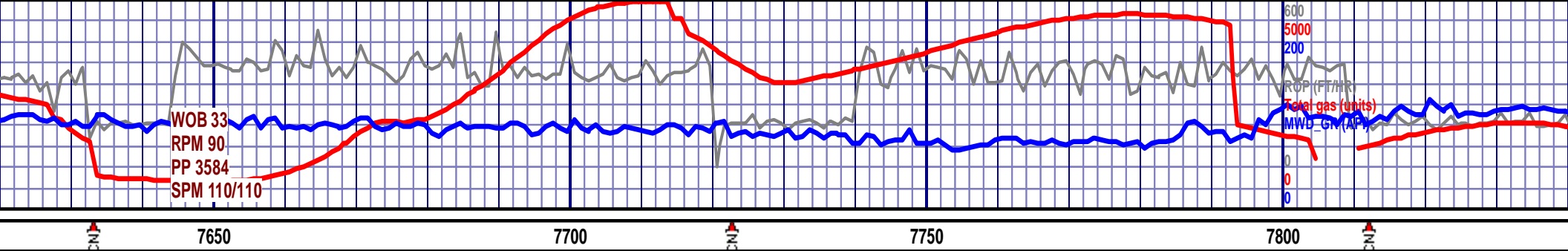
MRLST: (70%) dkgy - v dk gy
frm-brit, carb, CHALK (30%)
med lt gy, mott ip, rthy txt, sl
tr bent, lt gy, yel min flor, fai
slo - mod fast blmg - stmg m
spoty ylwsh grn resd ring.

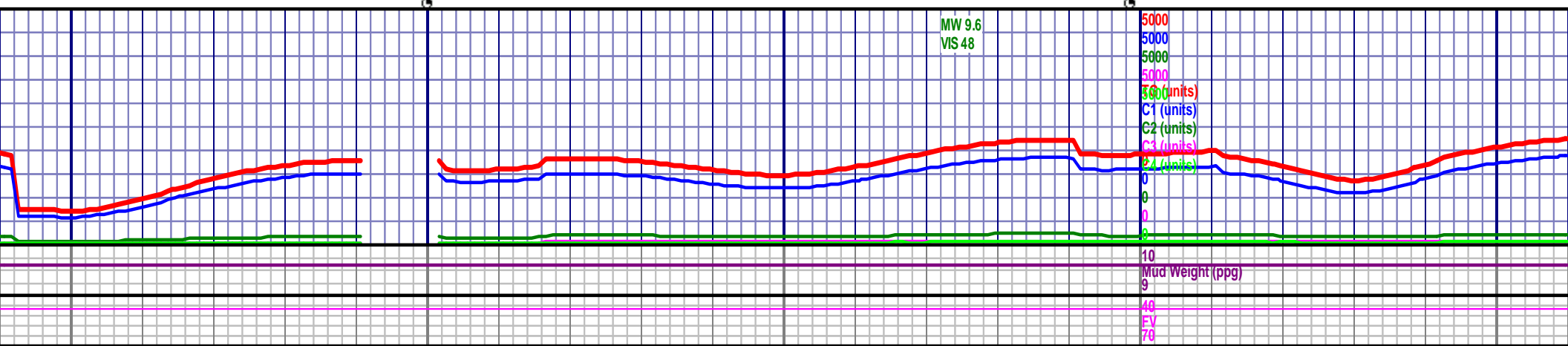
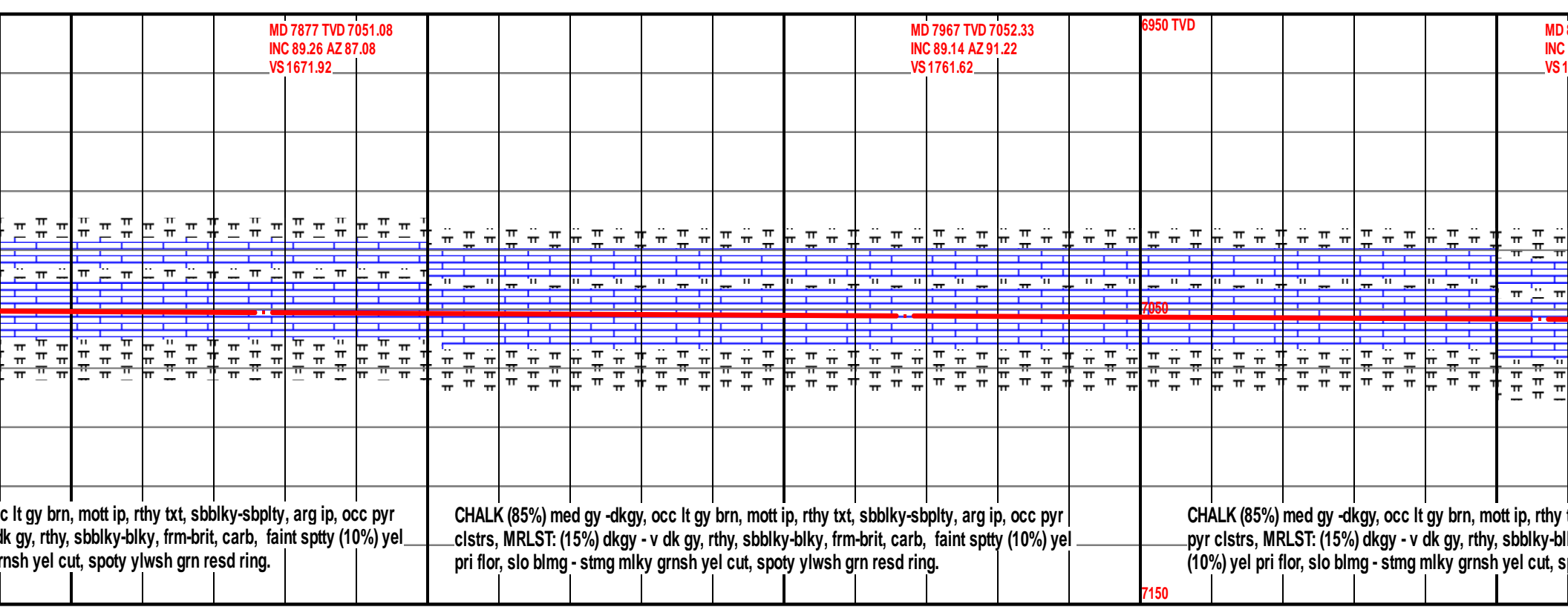
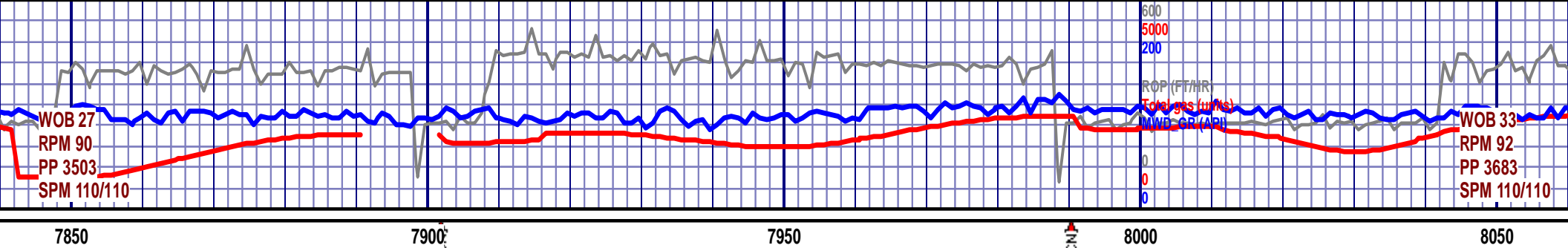


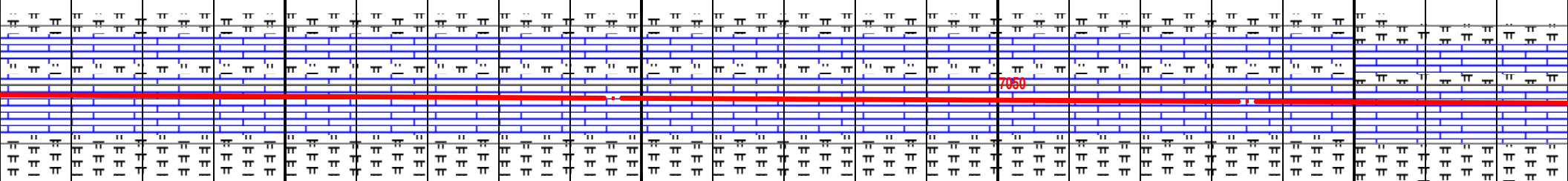
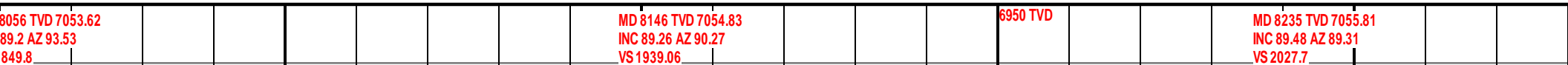


7450 7500 7550 7600





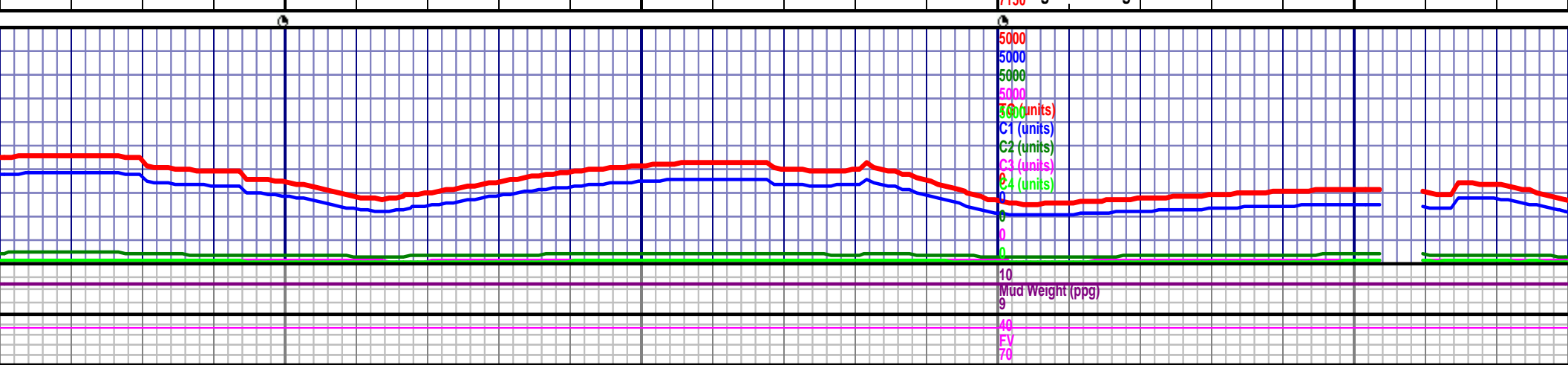


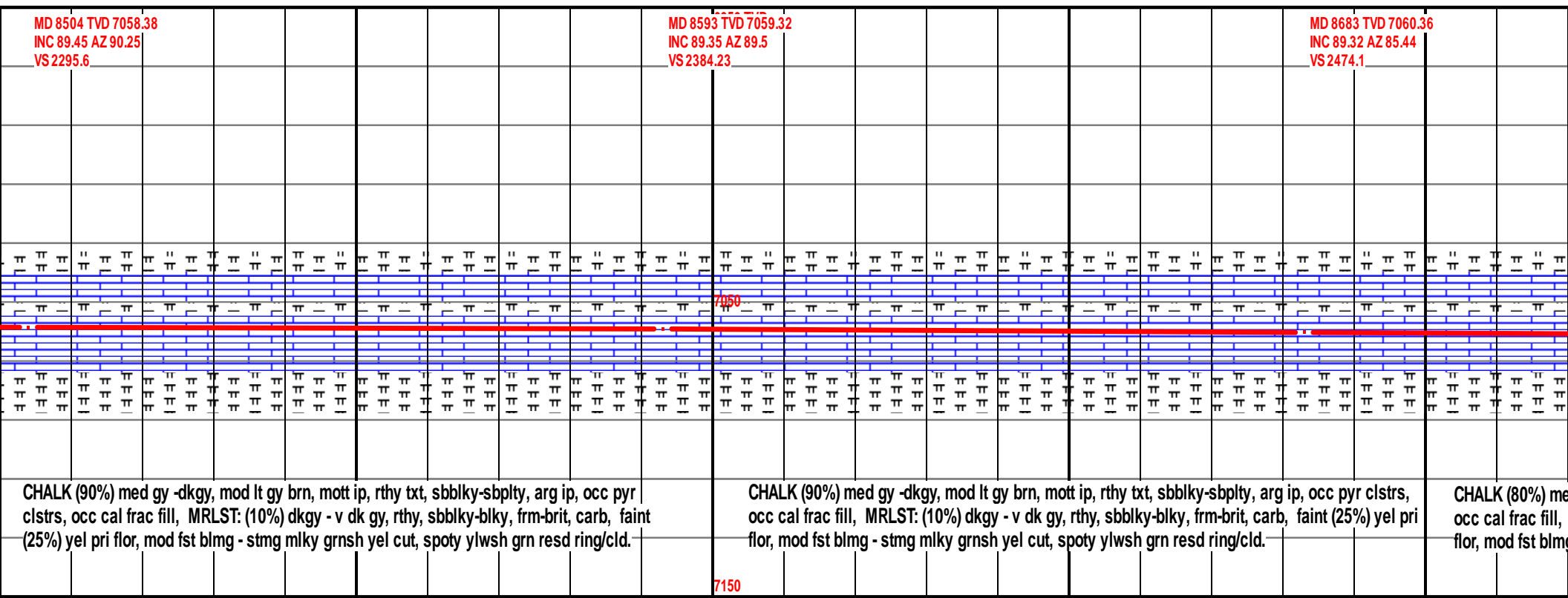


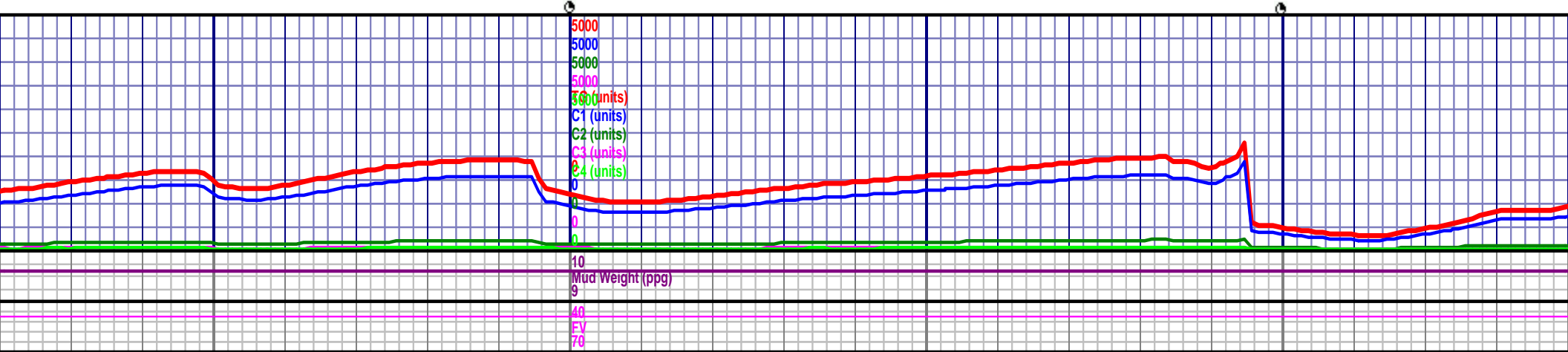
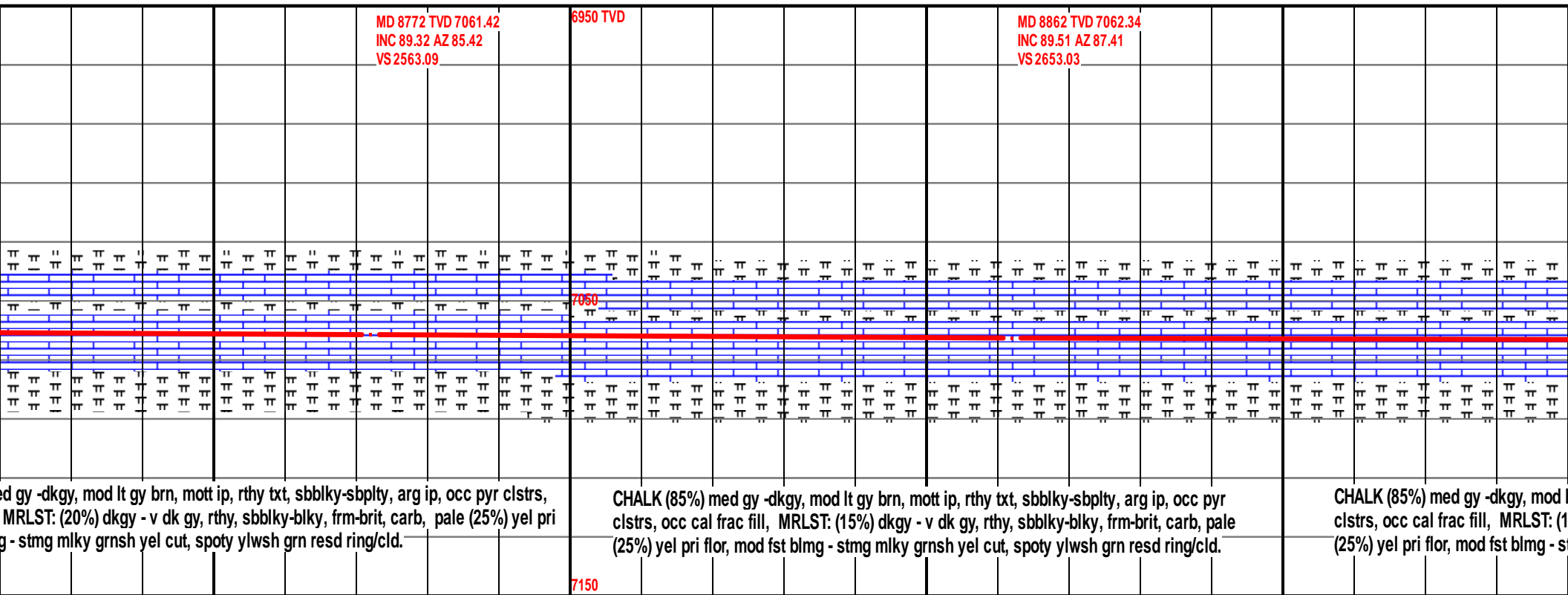
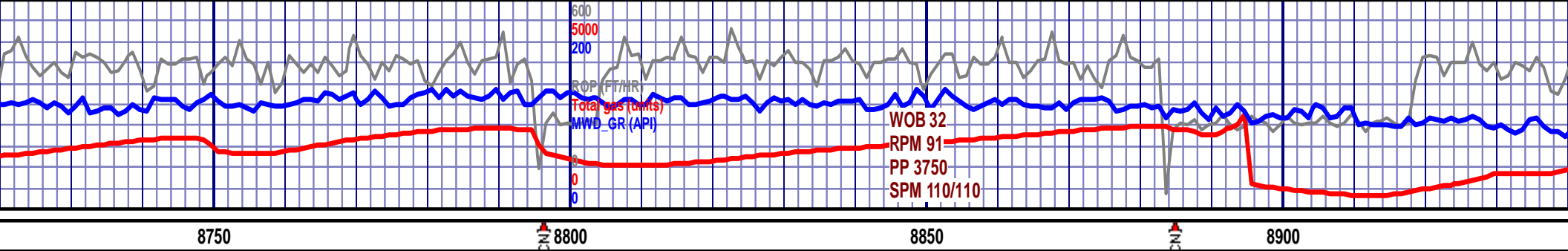
txt, sbblky-sbplty, arg ip, occ
ky, frm-brit, carb, faint sppty
poty ylwsh grn resd ring.

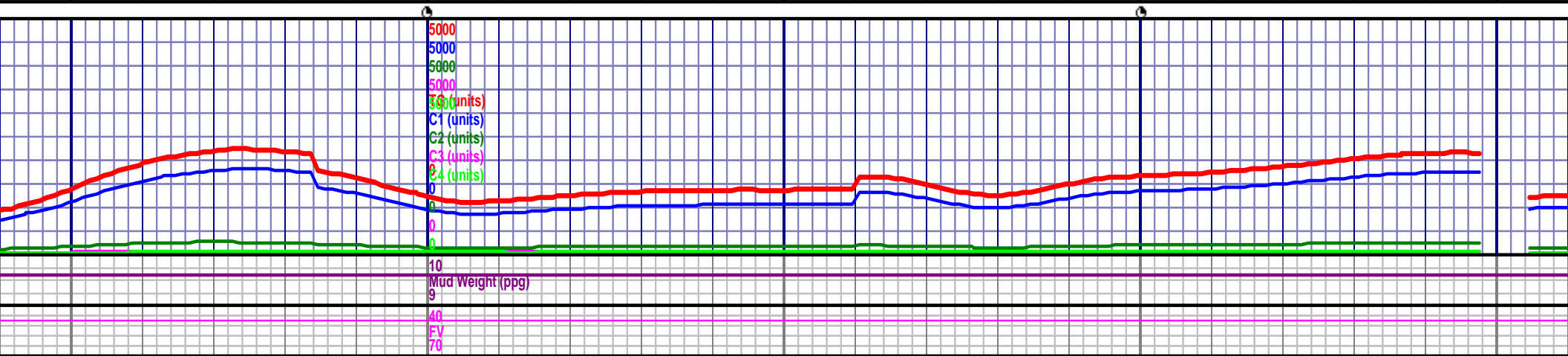
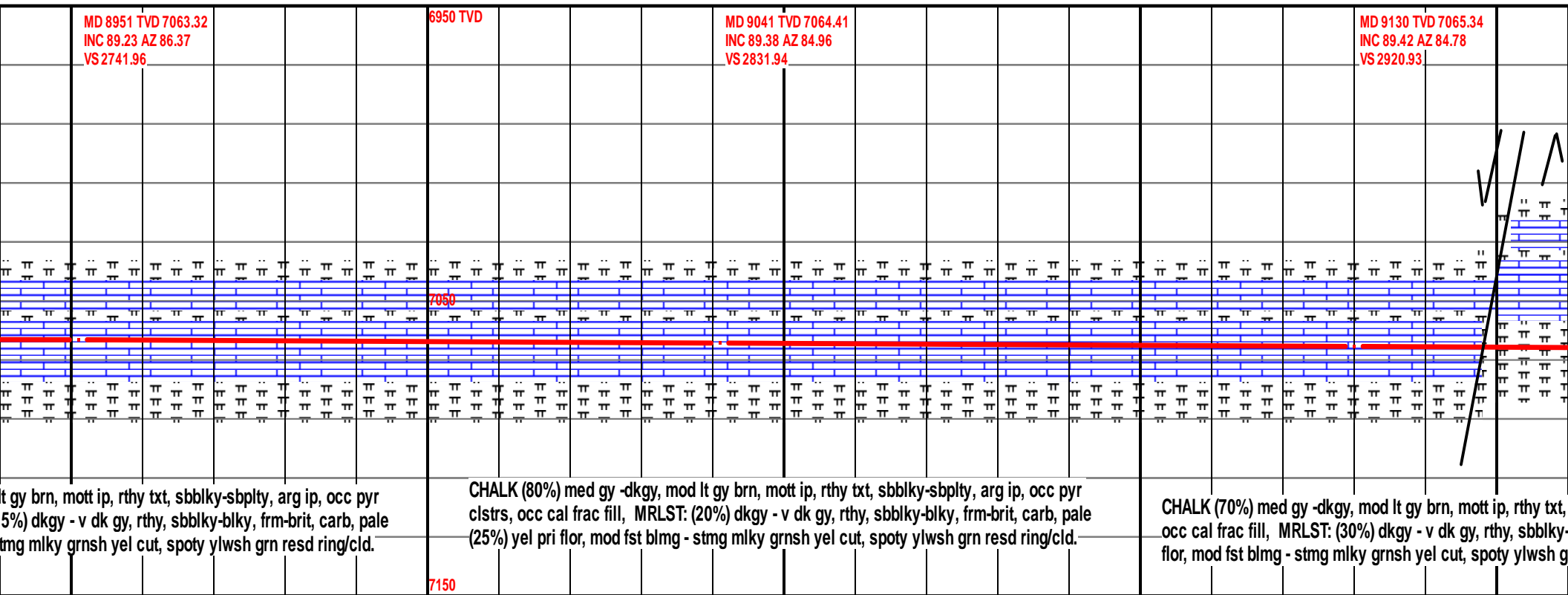
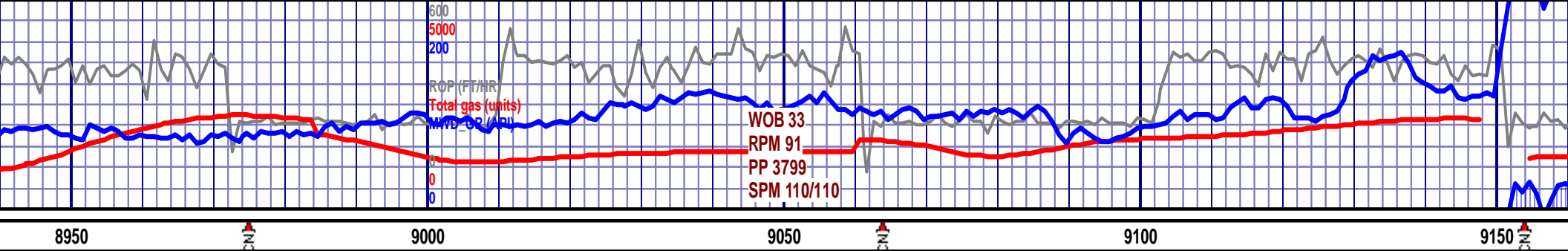
CHALK (85%) med gy -dkgy, occ lt gy brn, mott ip, rthy txt, sbblky-sbply, arg ip, occ pyr clstrs, occ cal frac fill, MRLST: (15%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, faint sppty (10%) yel pri flor, mod fst blmg - stmg milky grnsh yel cut, spoty ylwsh grn resd ring.

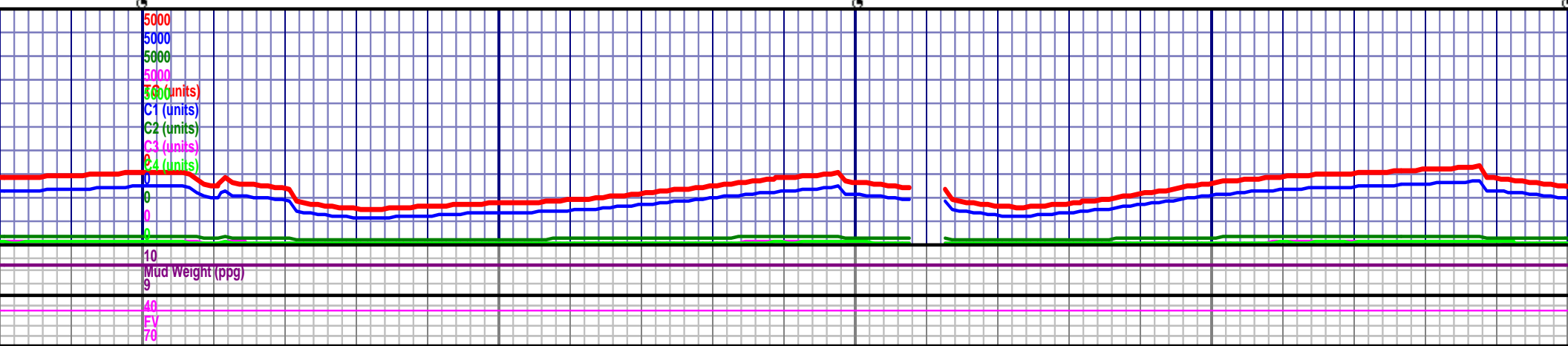
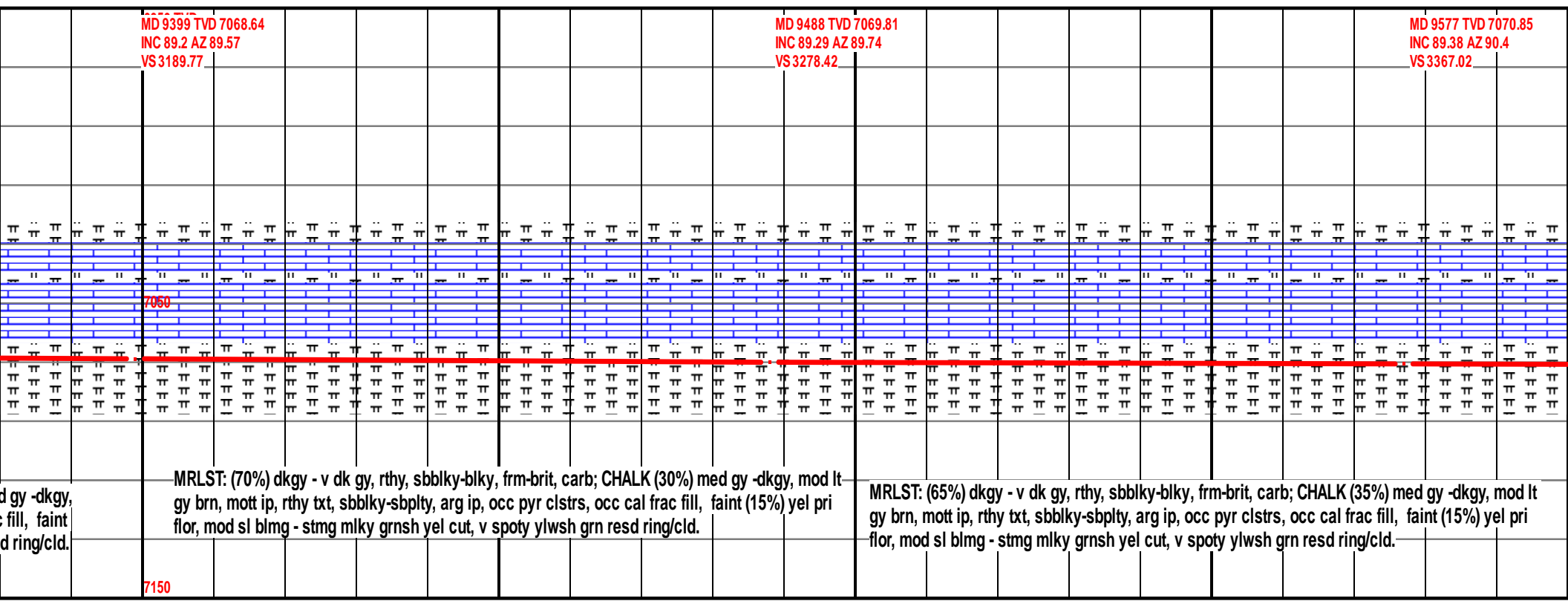
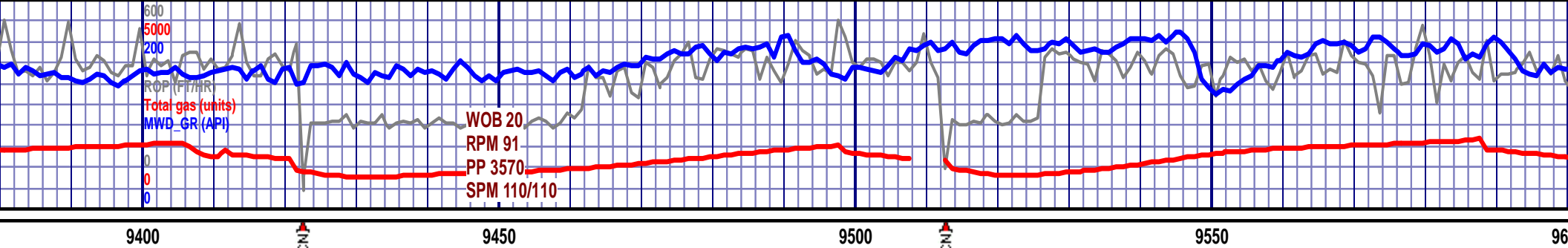
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pyr clstrs, occ cal frac fill, MRLST: (10%) dkgy - v dk gy, rthy, sbblky-blky, f
carb, faint sppty (10%) yel pri flor, mod fst blmg - stmg mlky grnsh yel cut, s
grn resd ring.

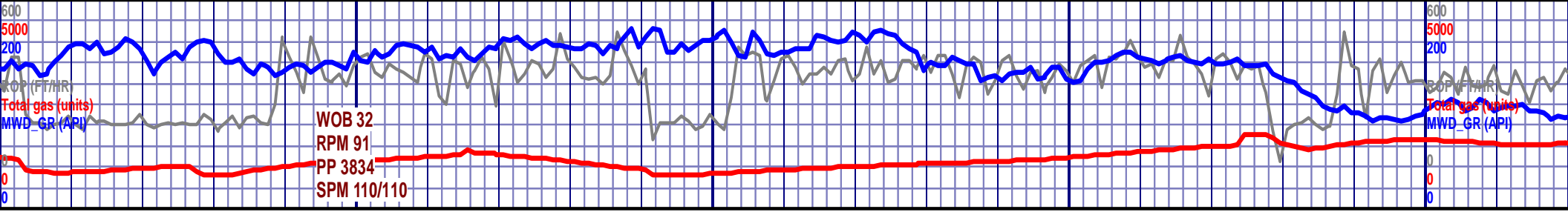




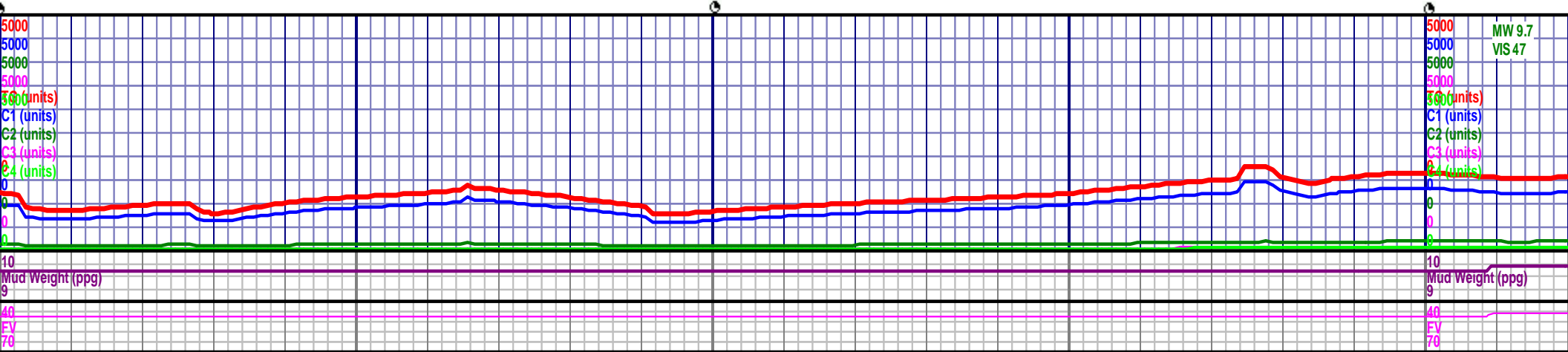
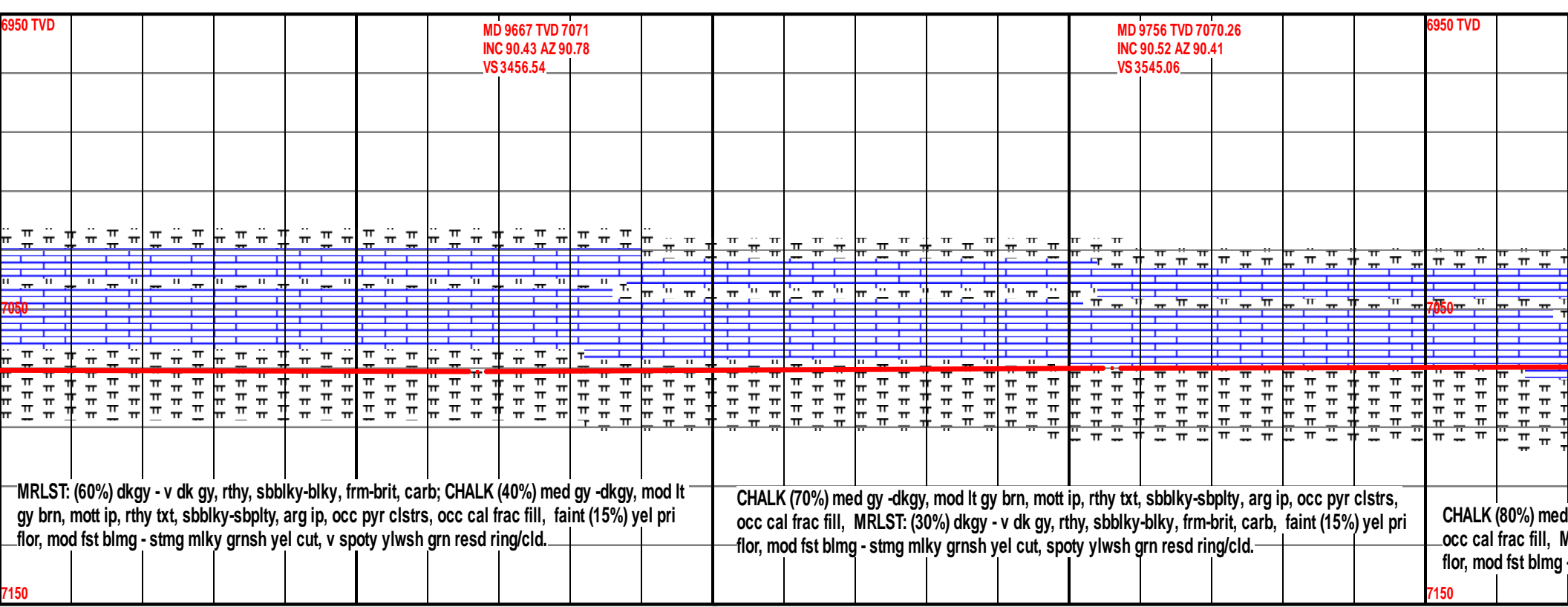


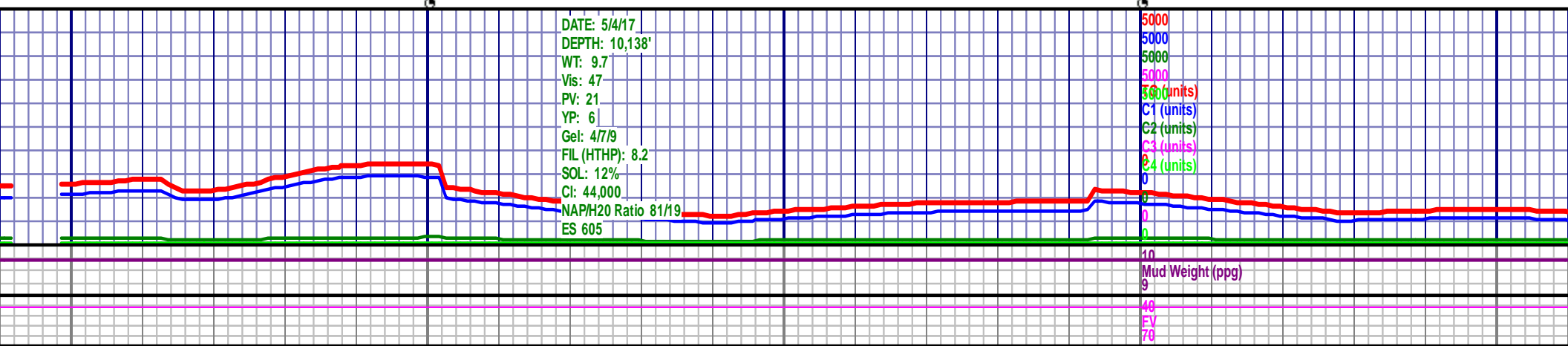
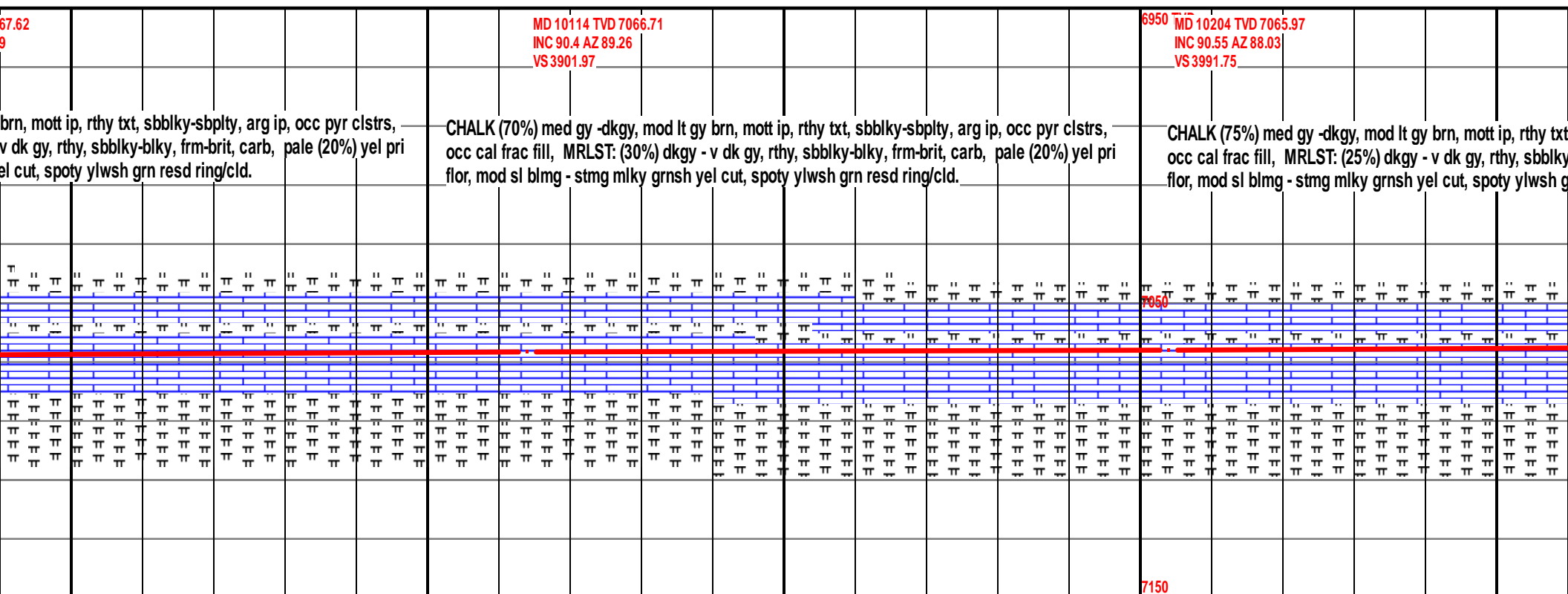
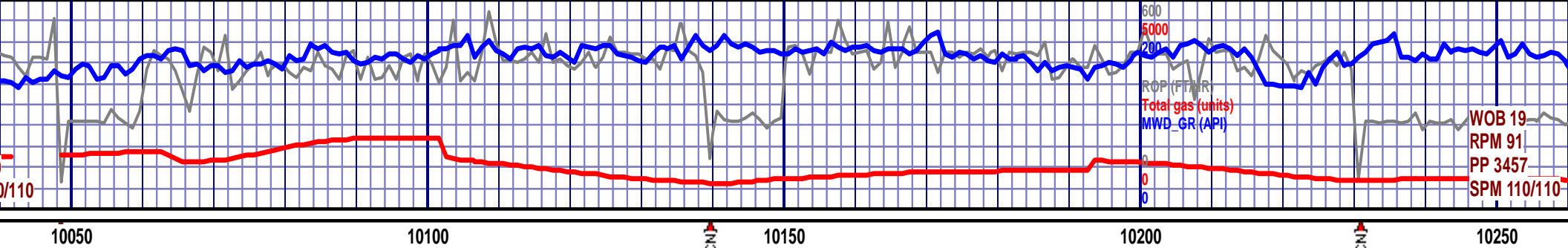


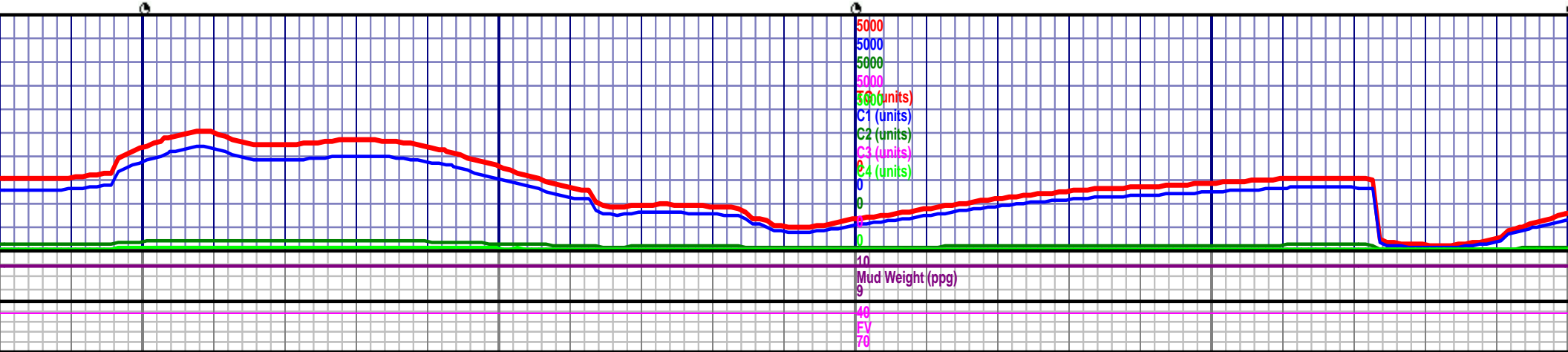
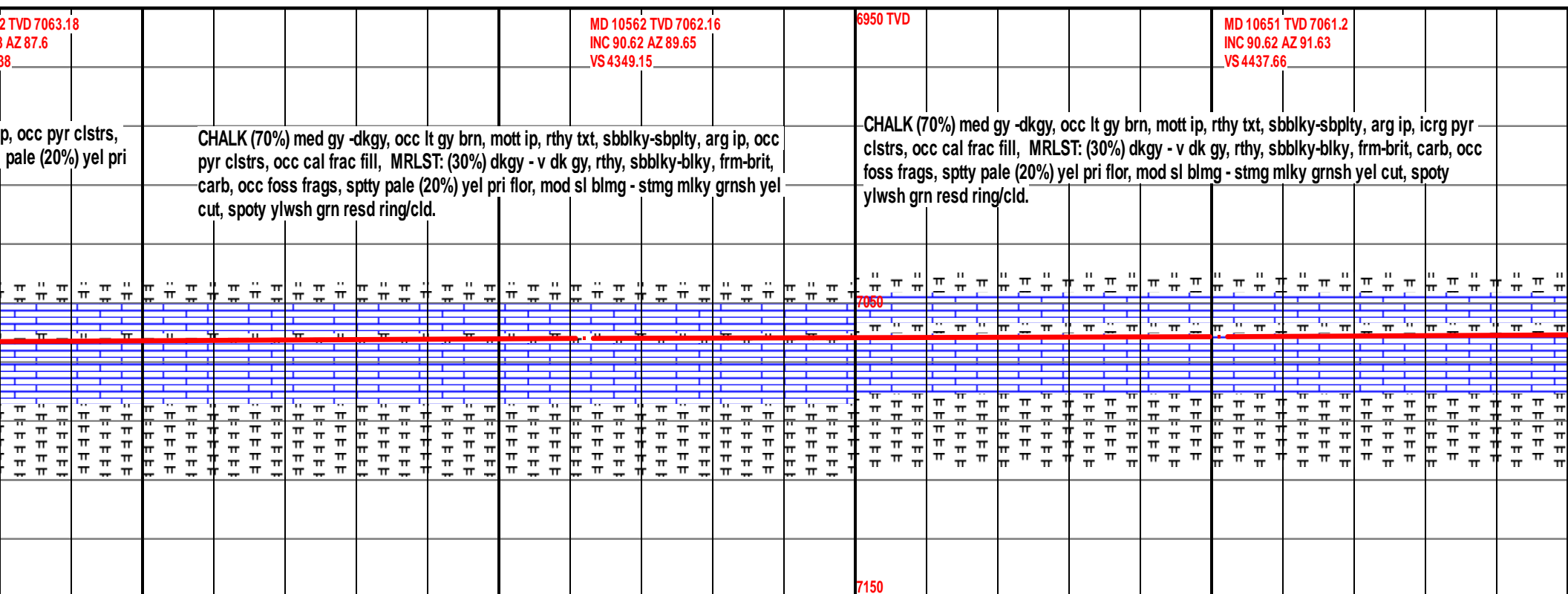
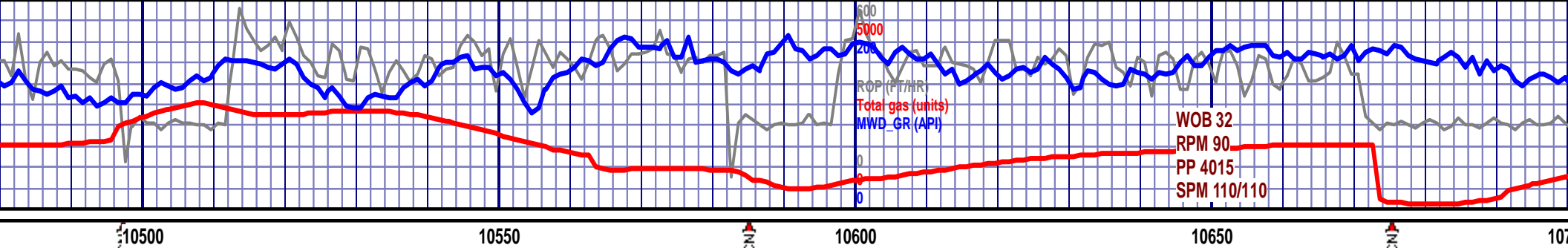


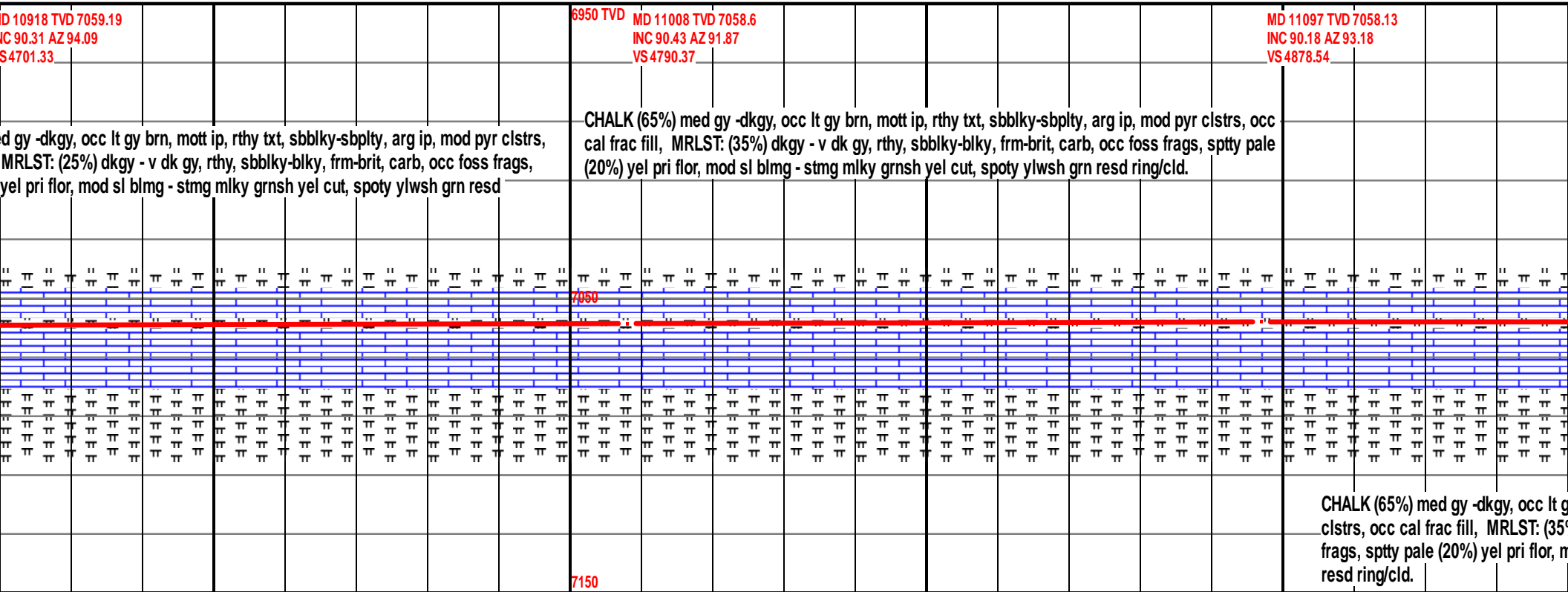


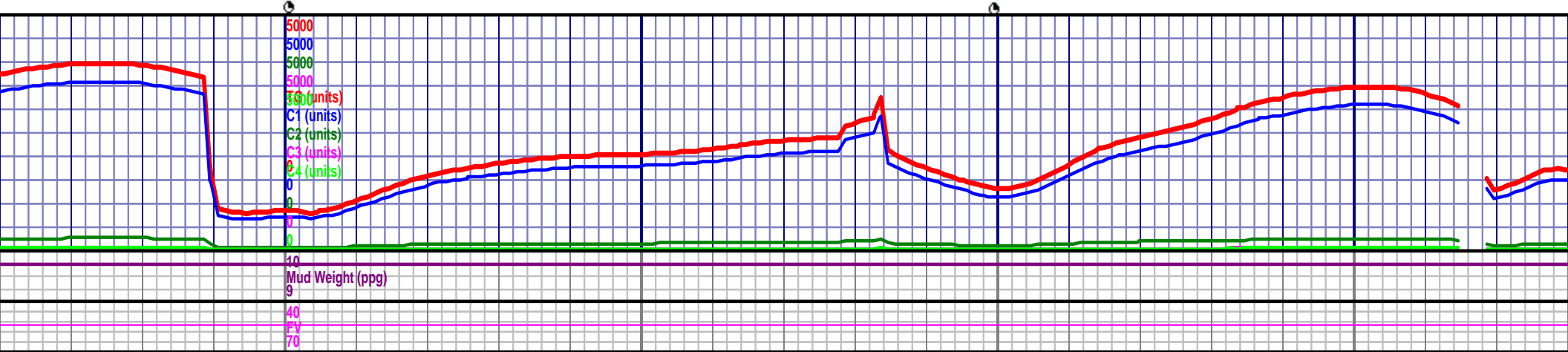
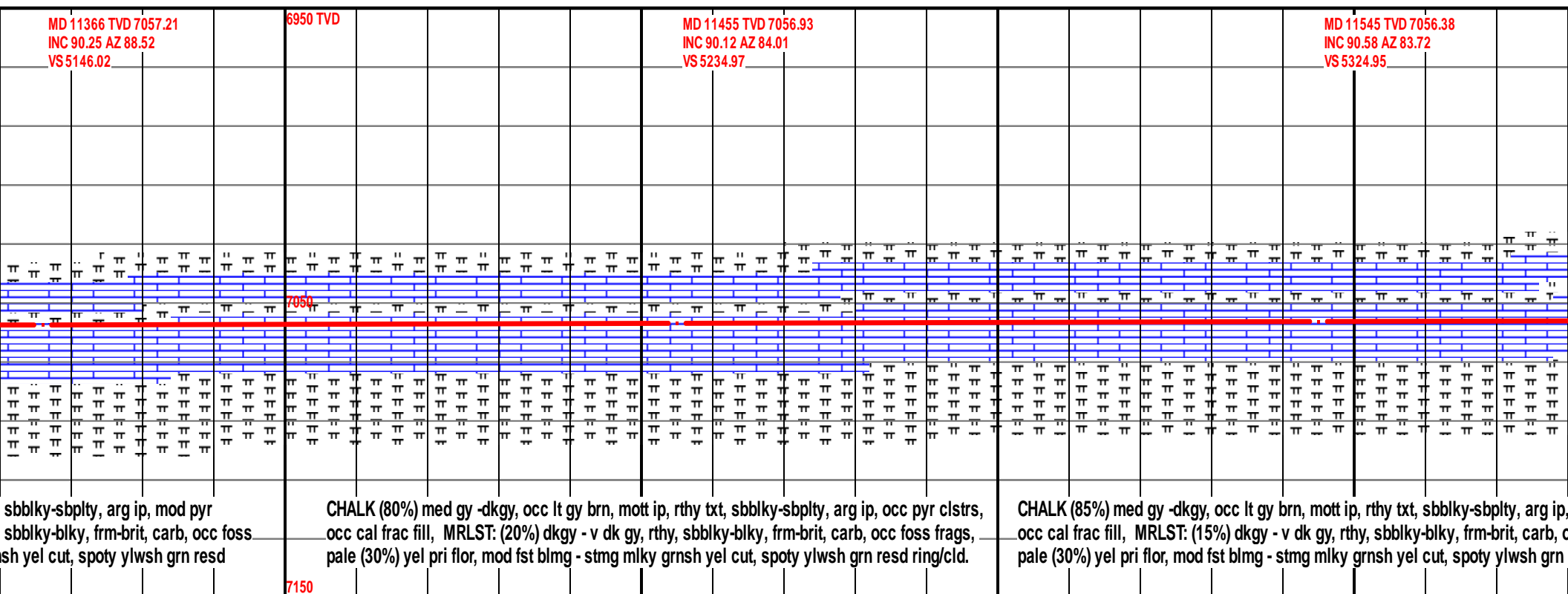
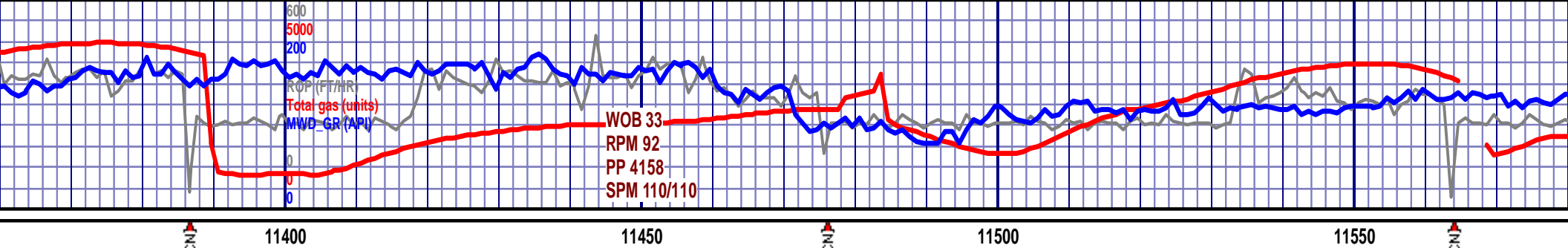
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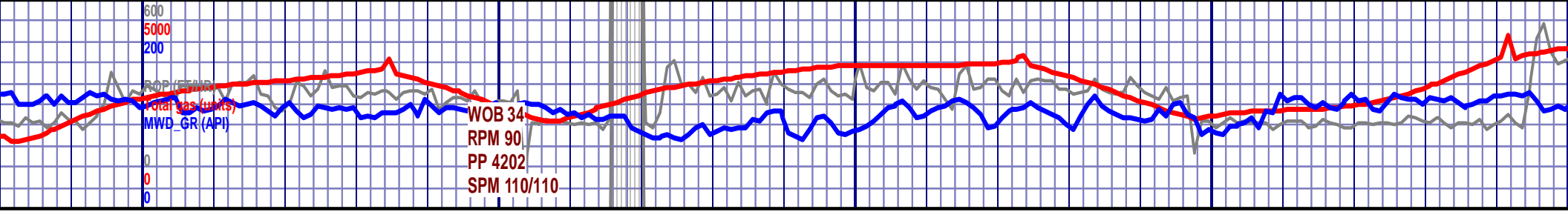












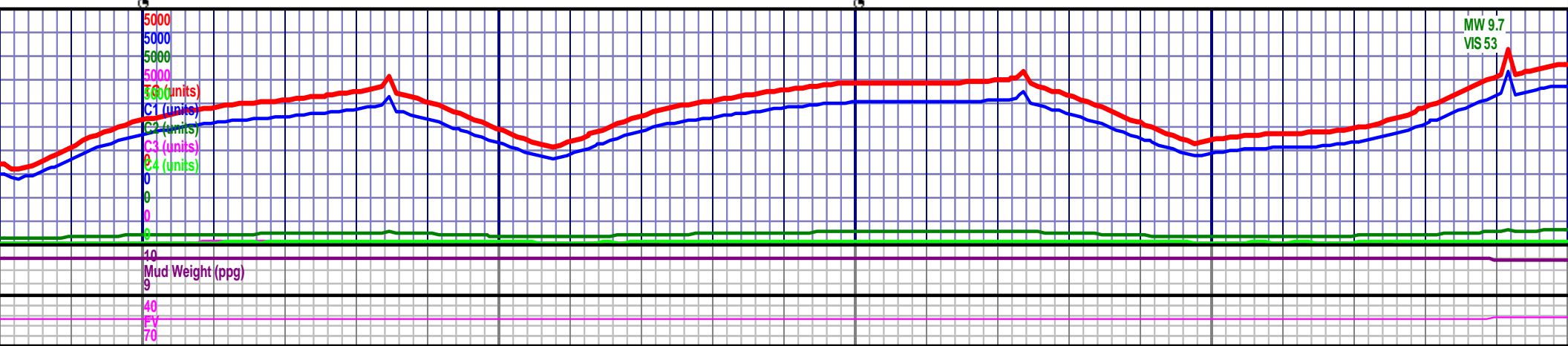
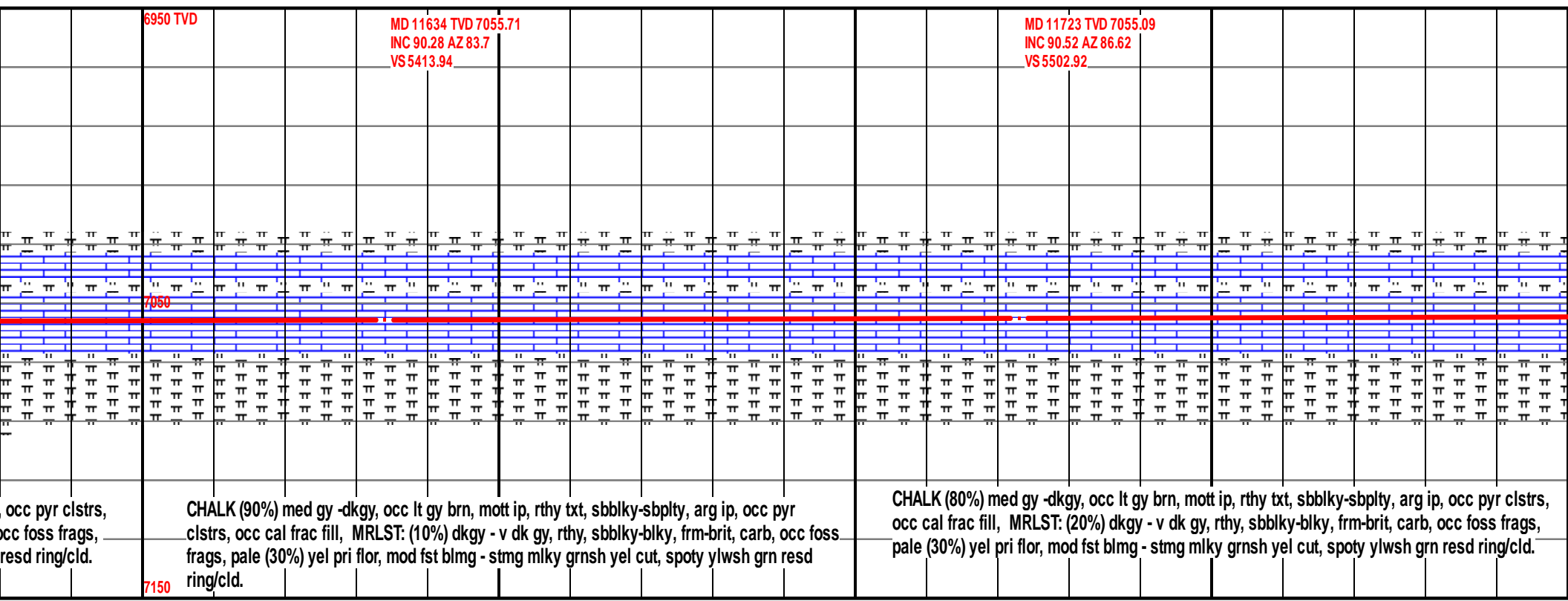
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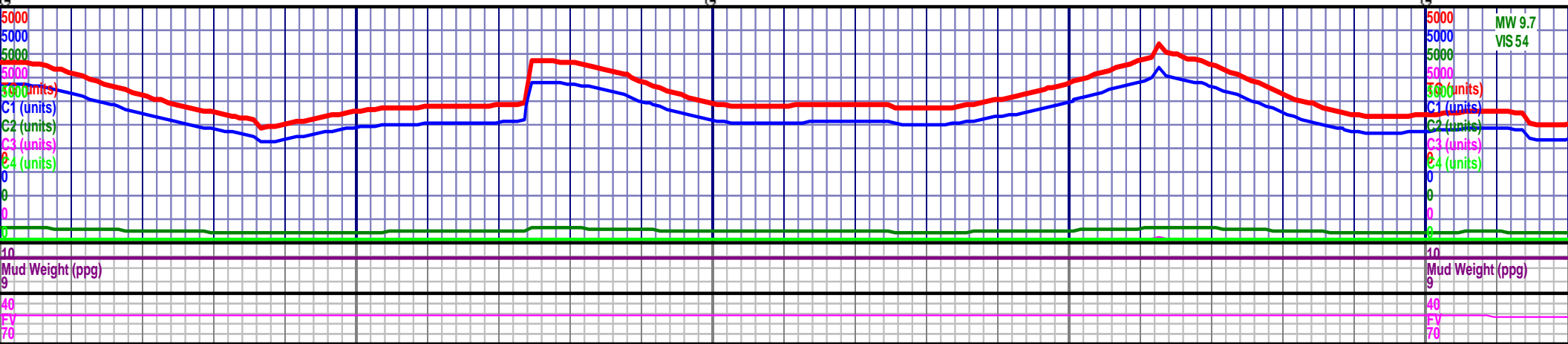
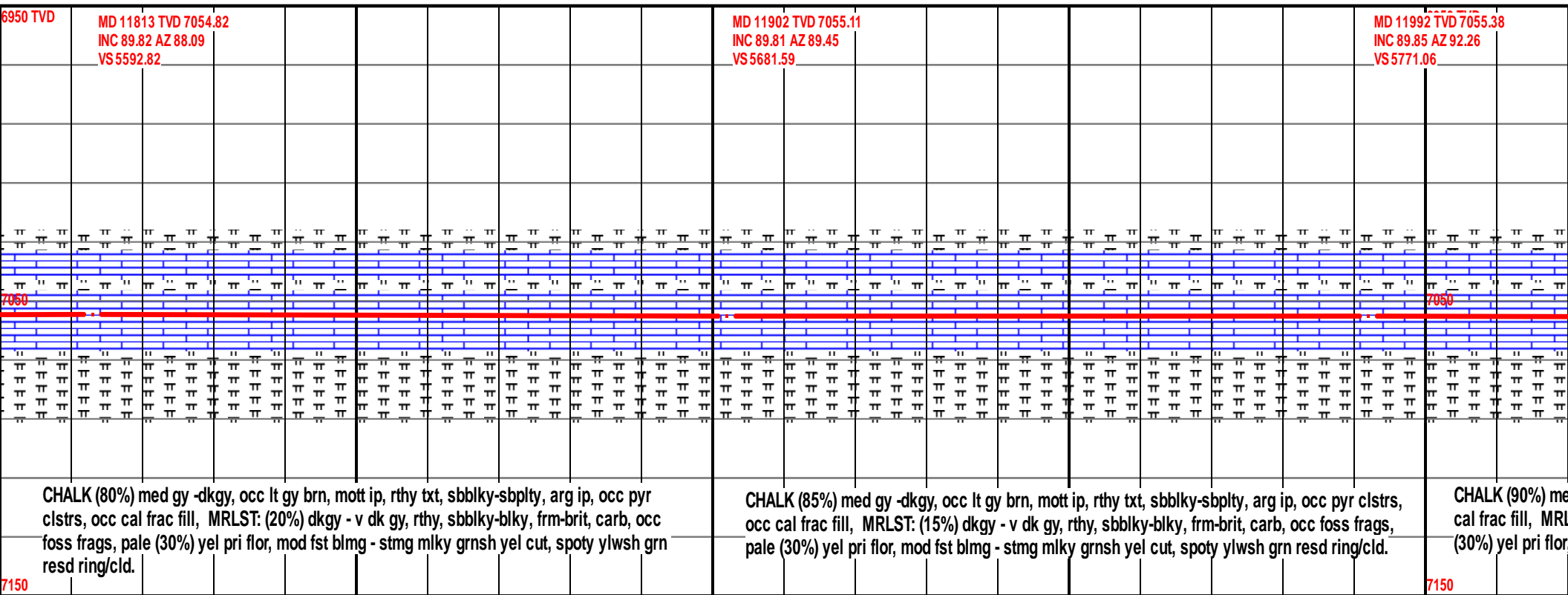
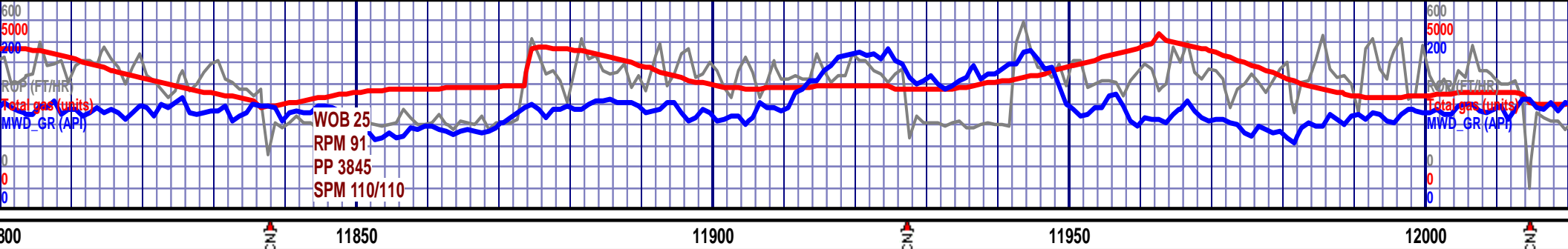
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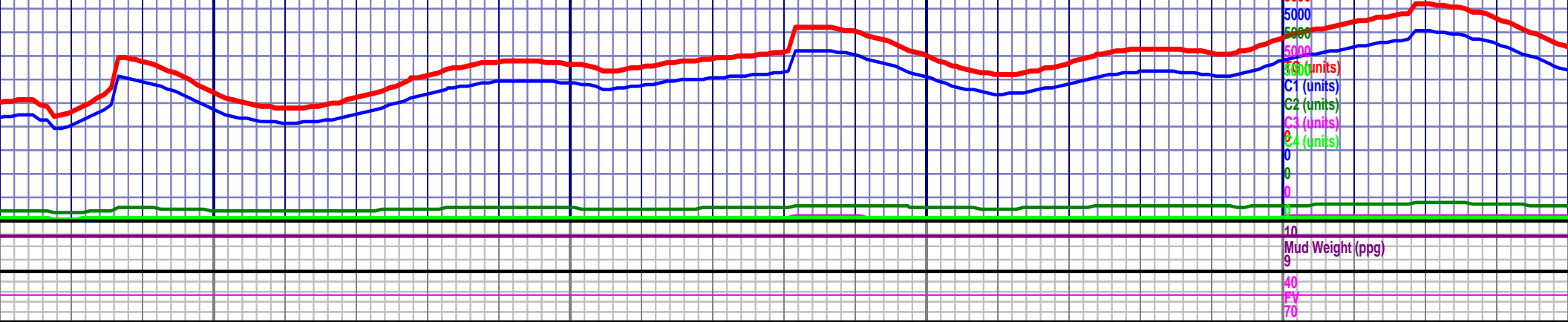
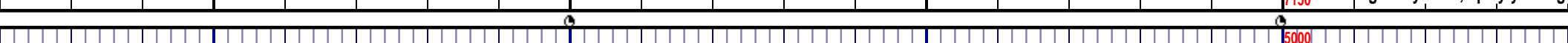
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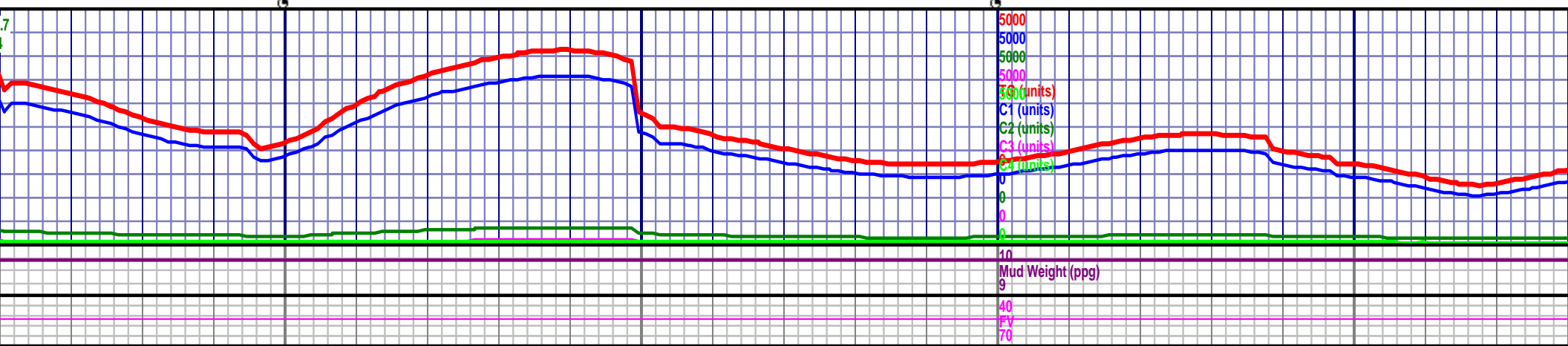
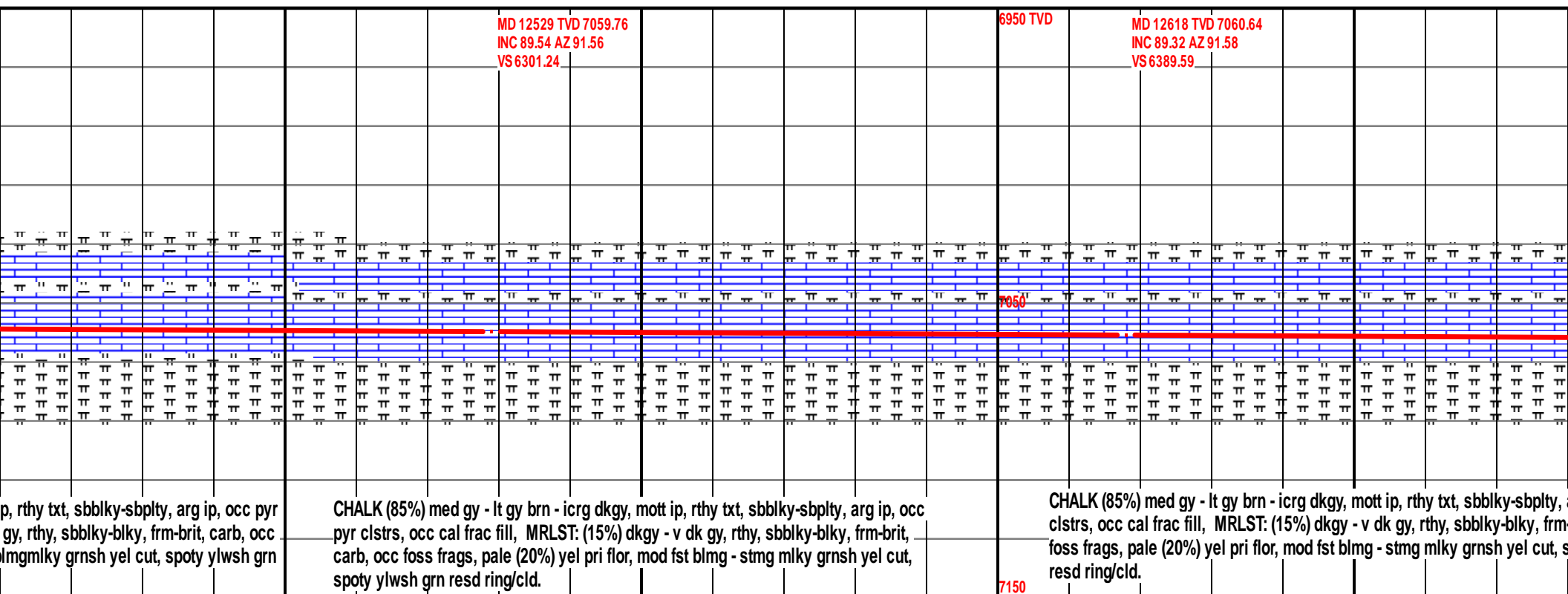
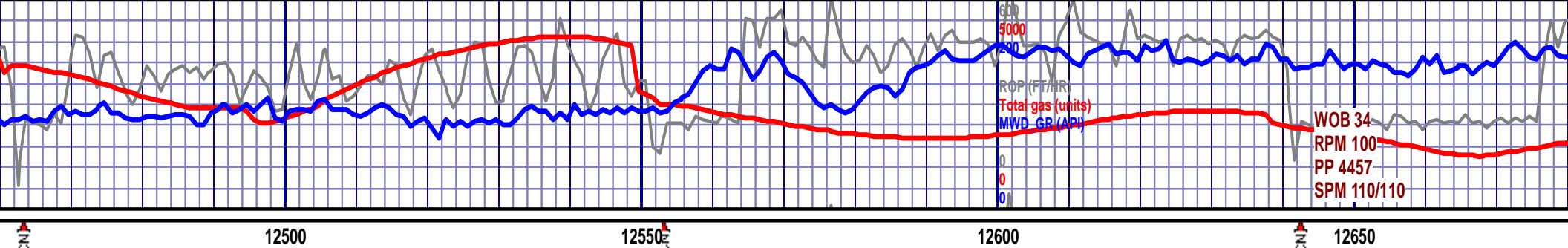
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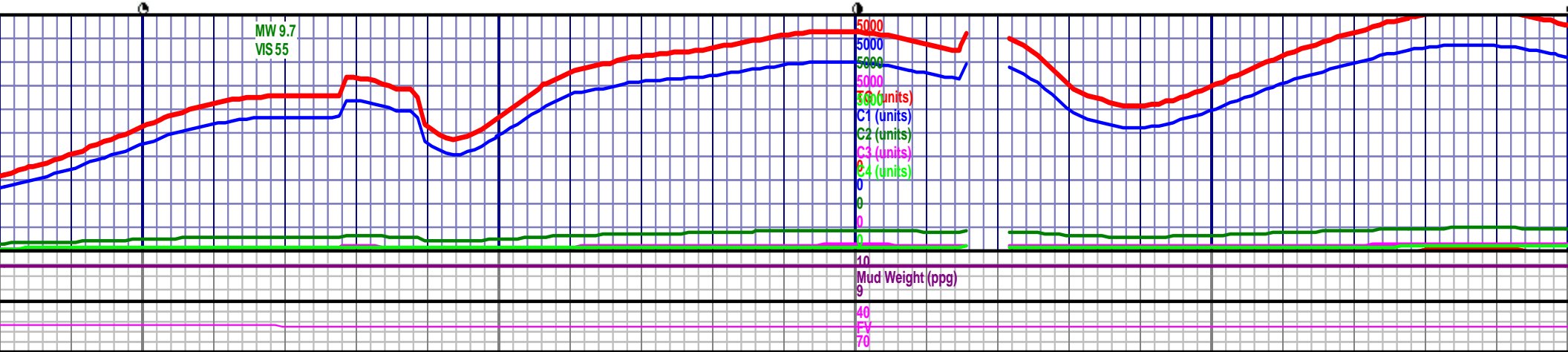
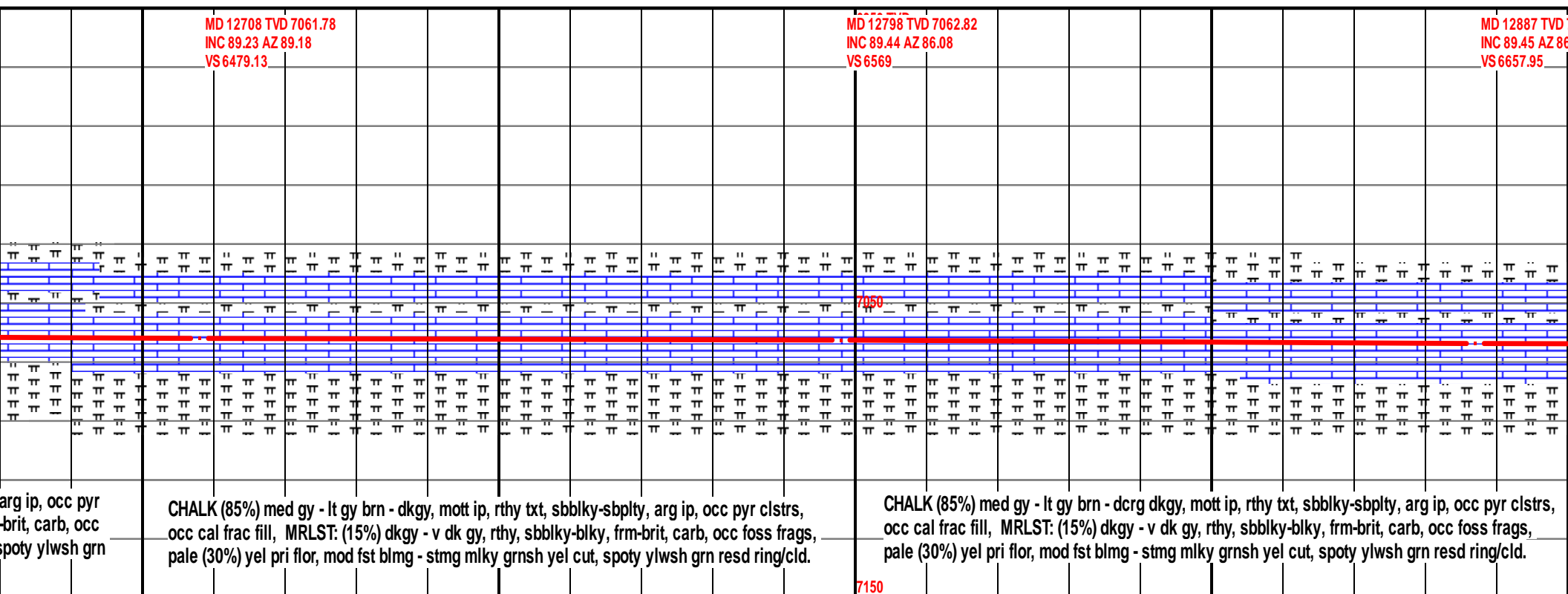
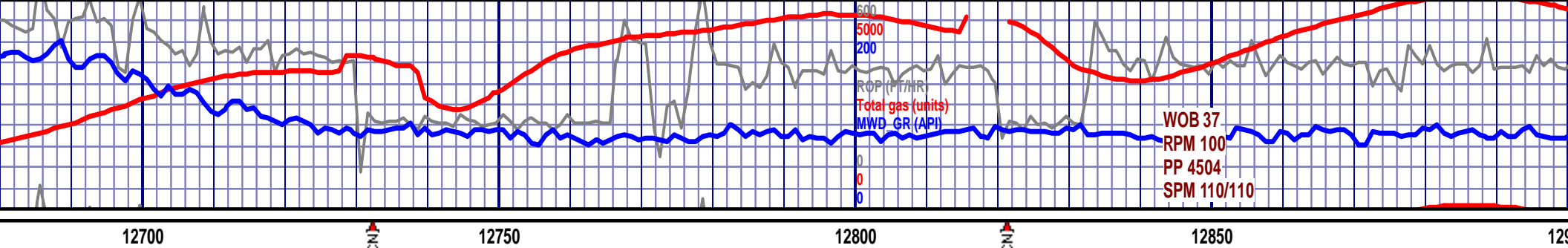
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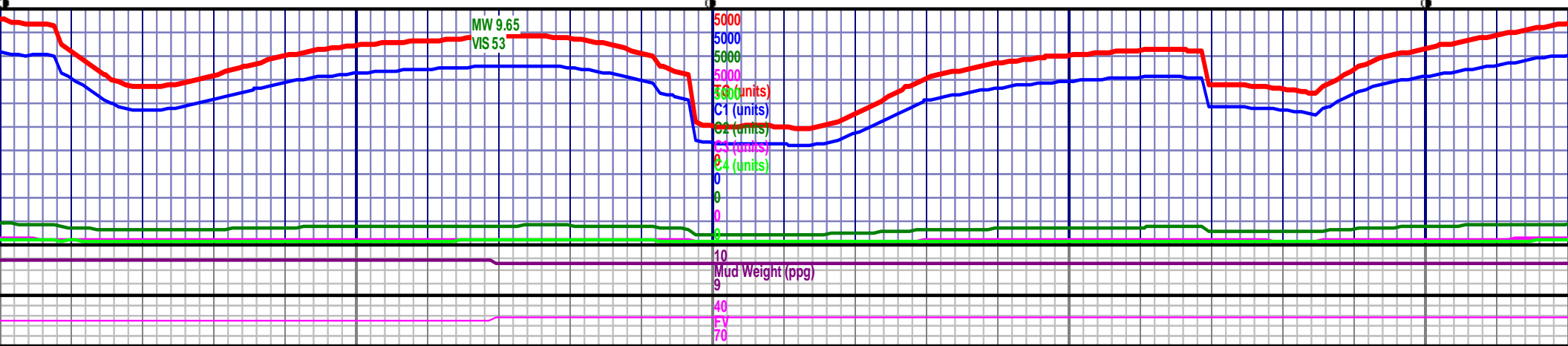
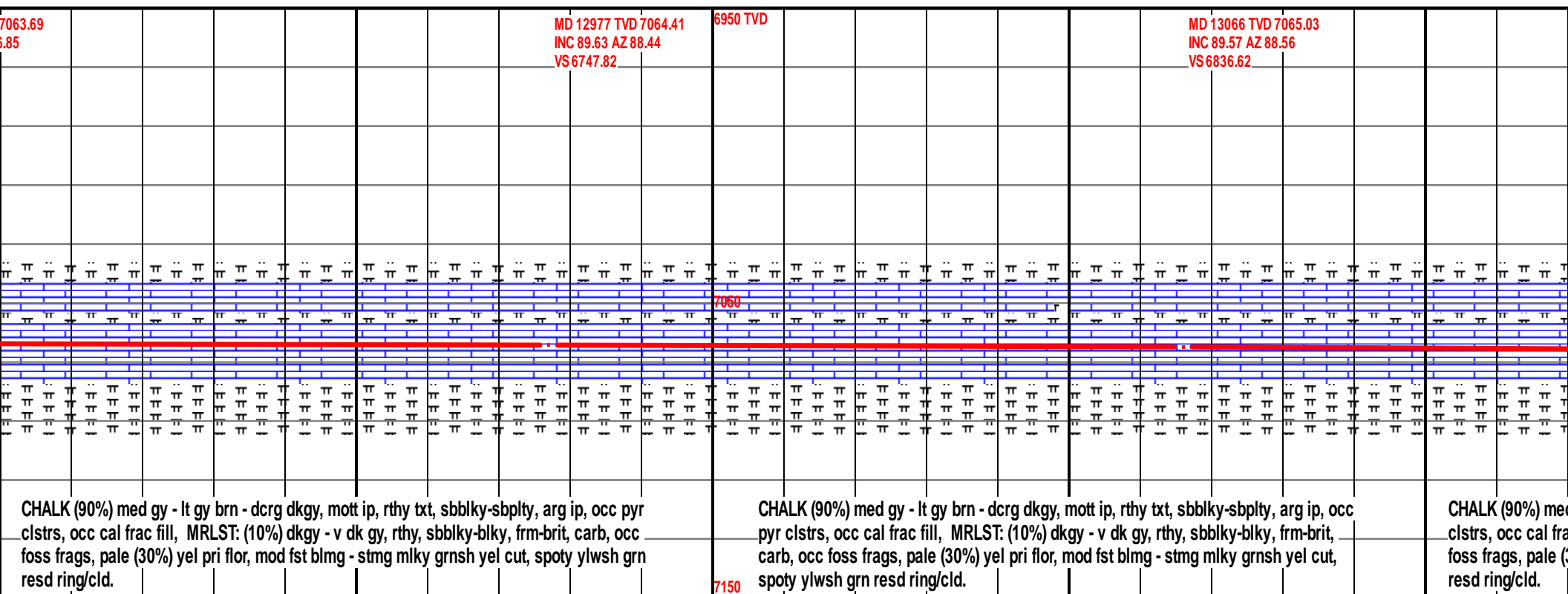
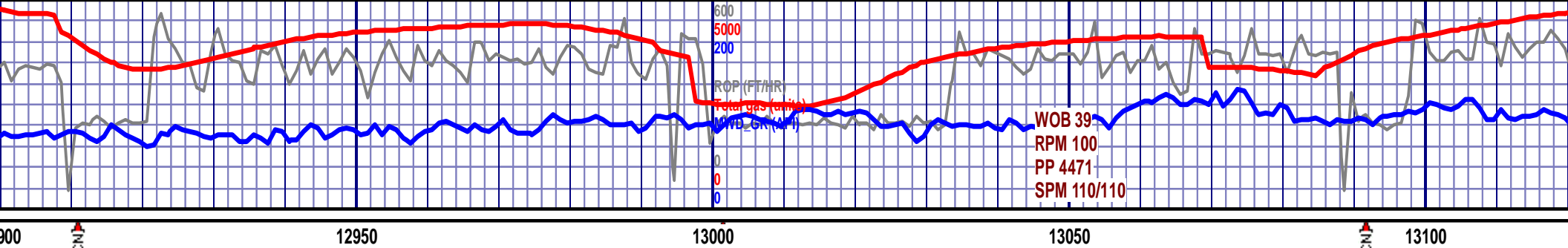


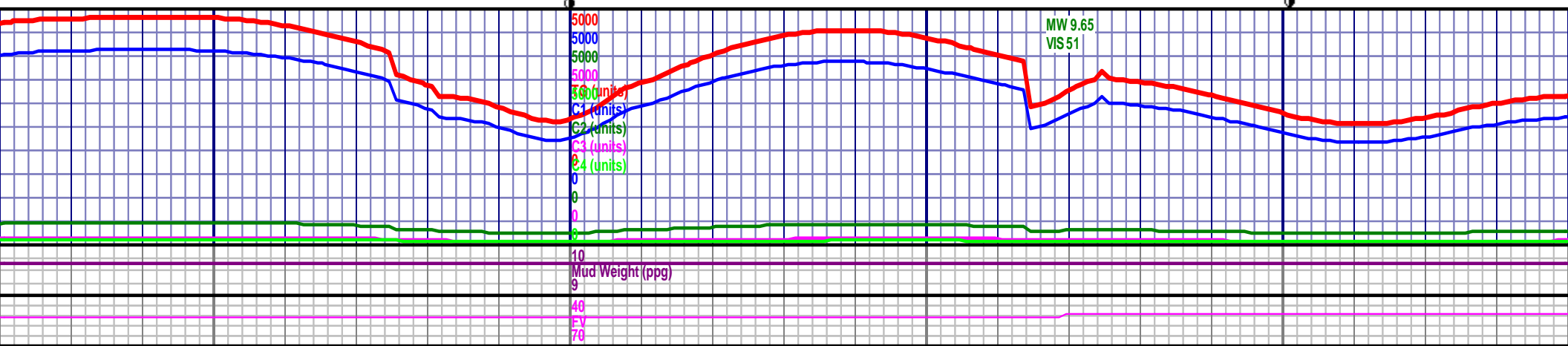
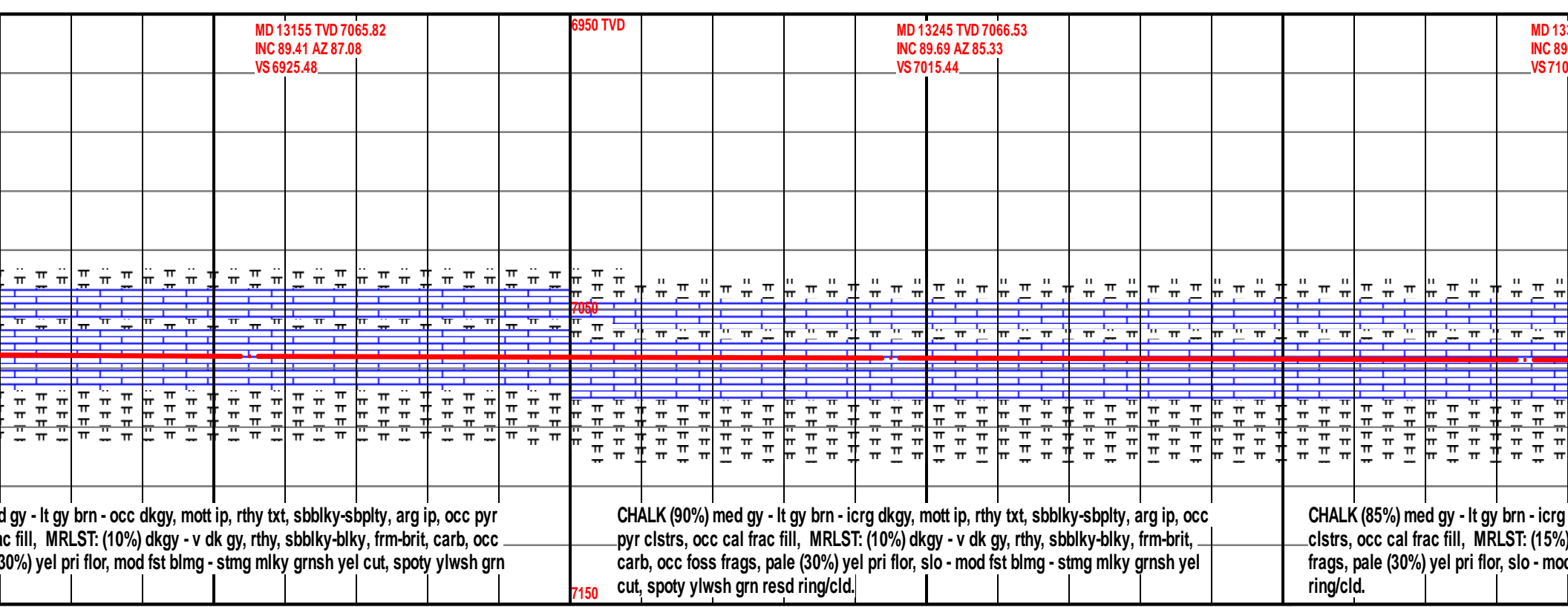
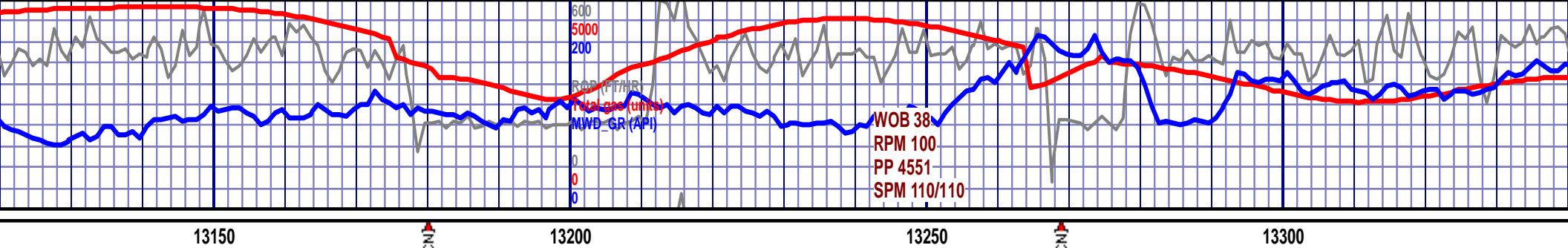


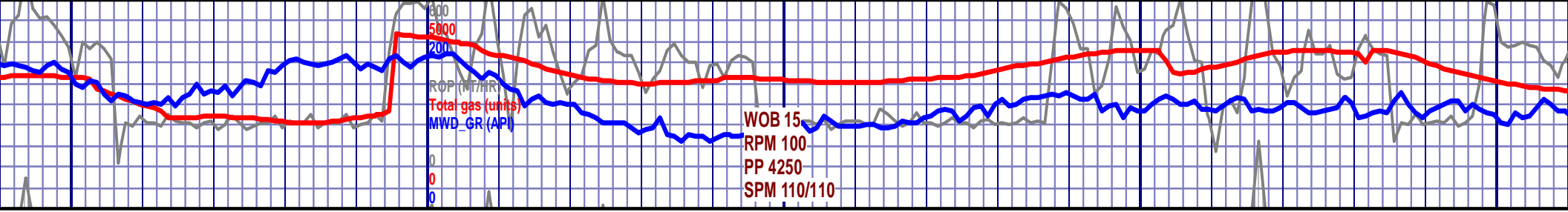






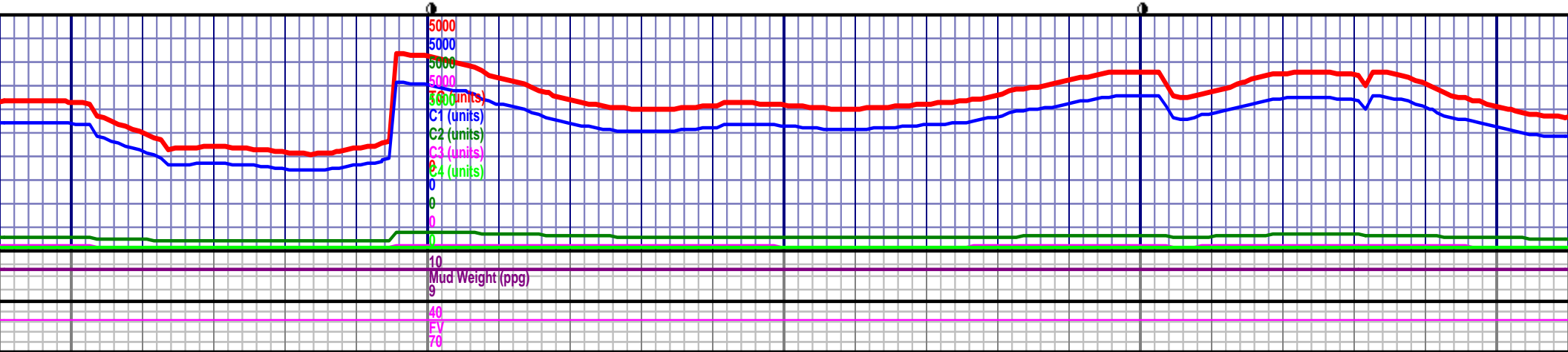


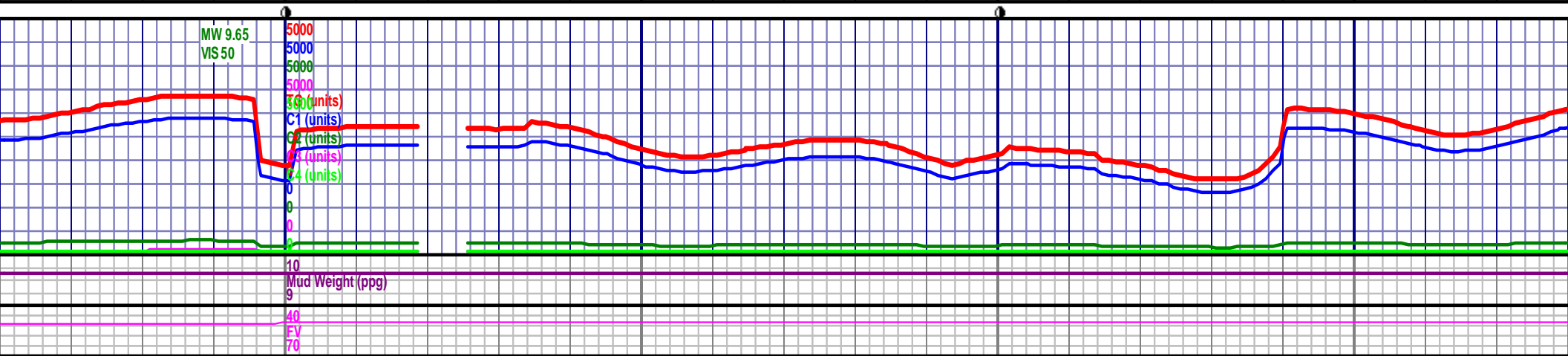
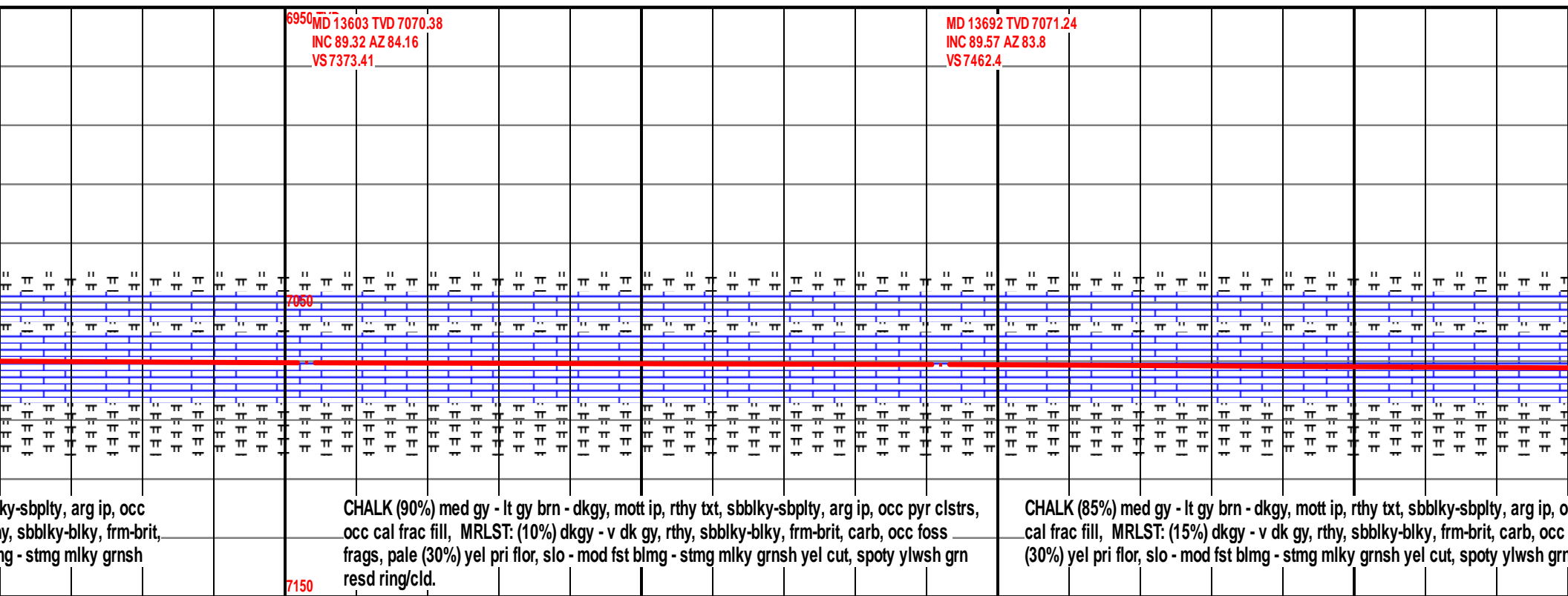
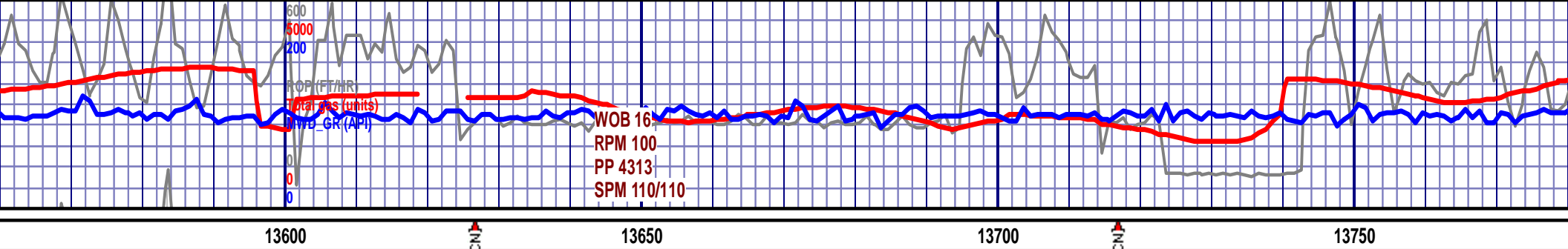


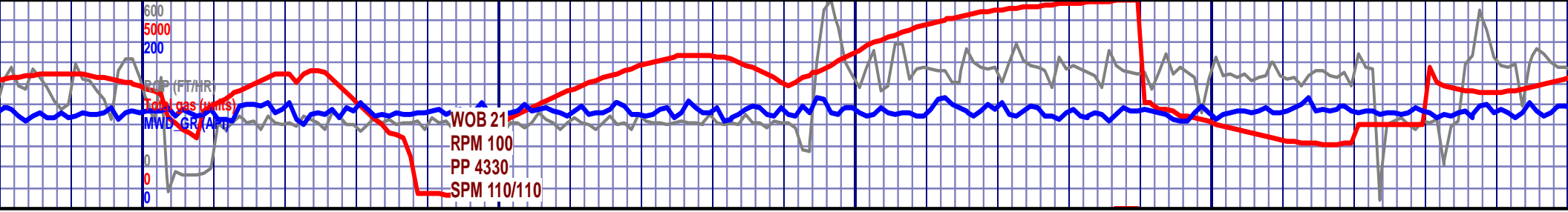


13350 13400 13450 13500 13550

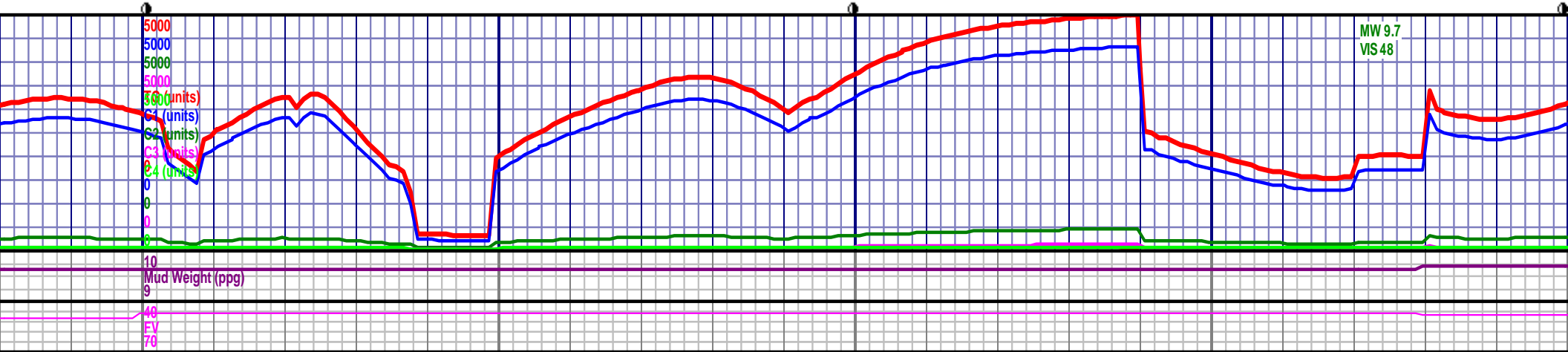
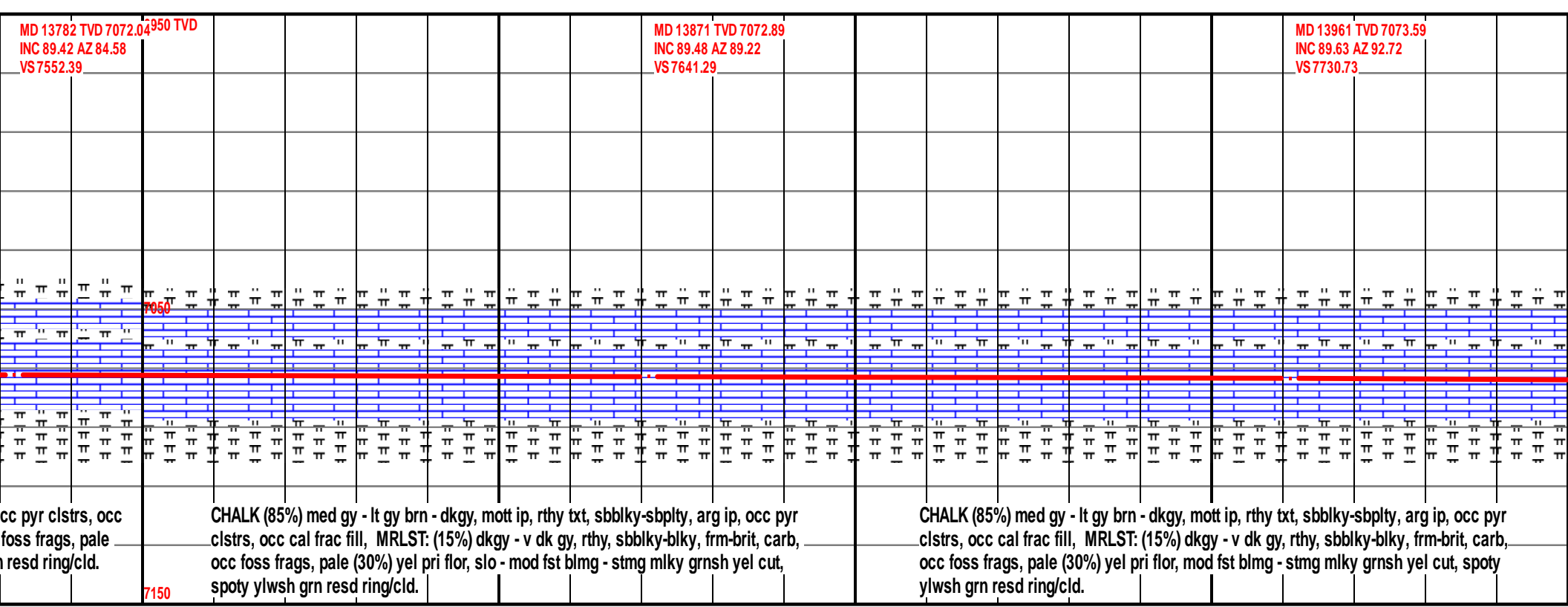
334 TVD 7067.2 INC 89.29 AZ 84.89 VS 7194.43	6950 TVD MD 13424 TVD 7068.19 INC 89.29 AZ 84.01 VS 7194.43	MD 13513 TVD 7069.29 INC 89.29 AZ 84.21 VS 7283.42
dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ pyr dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss d fst blmg - stmg milky grnsh yel cut, spoty ylwsh grn resd	CHALK (90%) med gy - lt gy brn - dcrd dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ pyr clstrs, occ cal frac fill, MRLST: (10%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss frags, pale (30%) yel pri flor, slo - mod fst blmg - stmg milky grnsh yel cut, spoty ylwsh grn resd ring/cld.	CHALK (90%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ pyr clstrs, occ cal frac fill, MRLST: (10%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss frags, pale (30%) yel pri flor, slo - mod fst blmg - stmg milky grnsh yel cut, spoty ylwsh grn resd ring/cld.

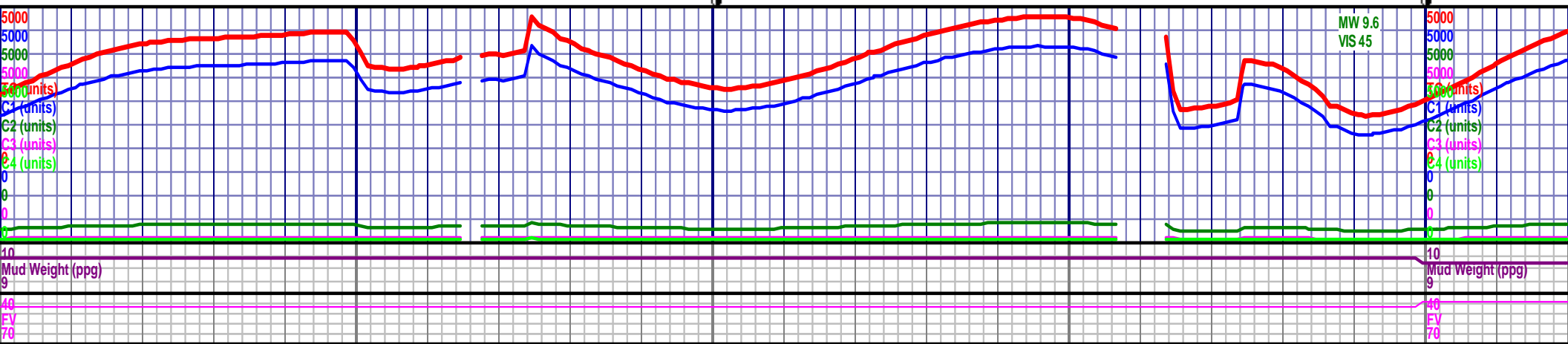
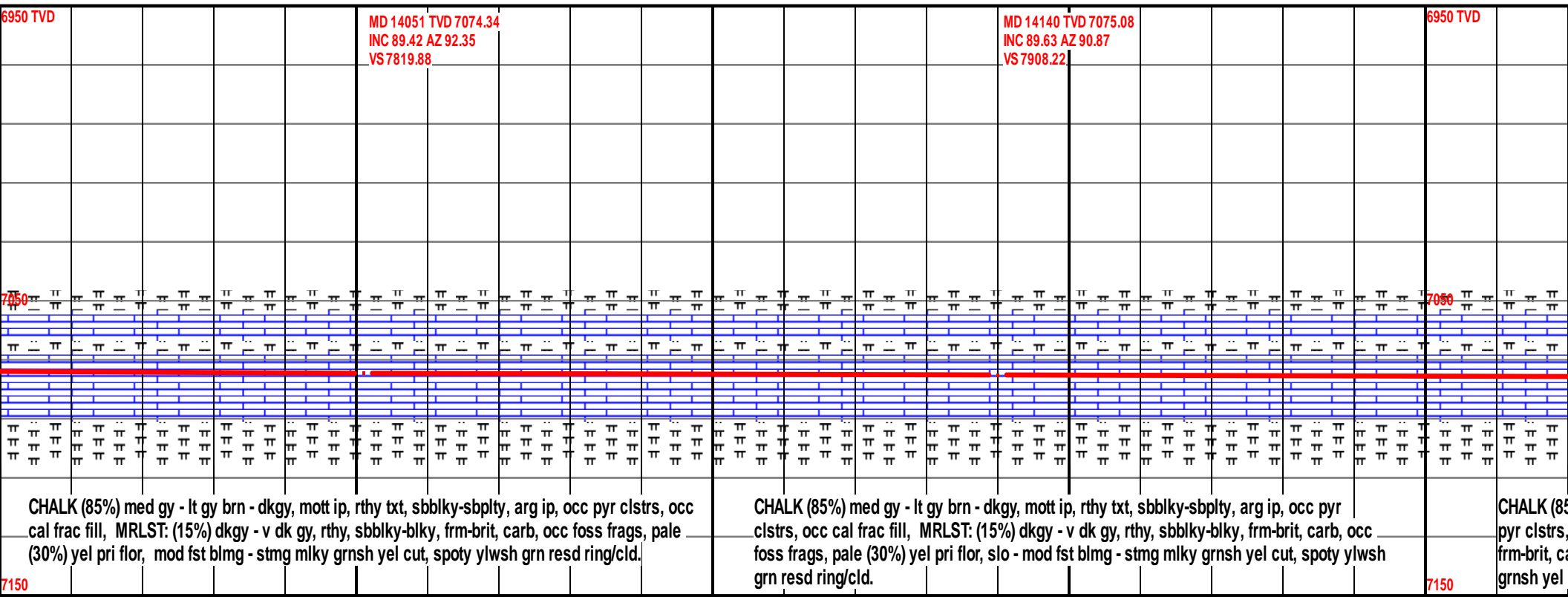


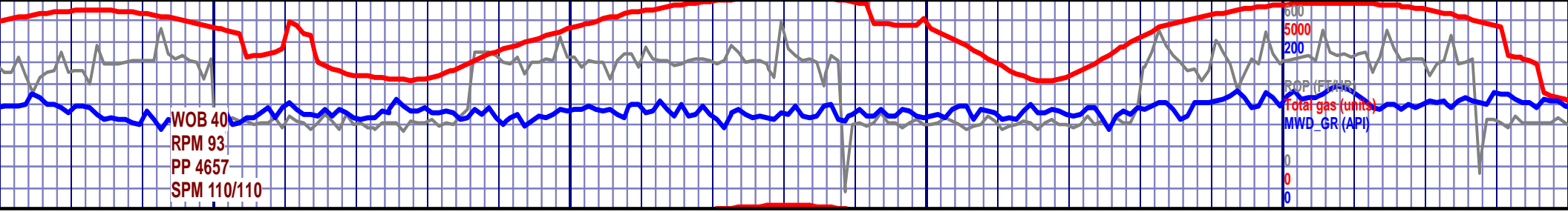




13800 13850 13900 13950 14000







14250

14300

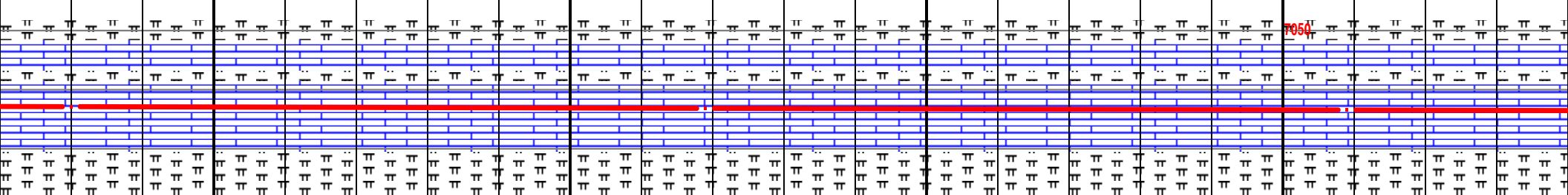
14350

14400

MD 14230 TVD 7075.61
INC 89.69 AZ 89.56
VS 7997.8

MD 14319 TVD 7076.14
INC 89.63 AZ 91.58
VS 8086.32

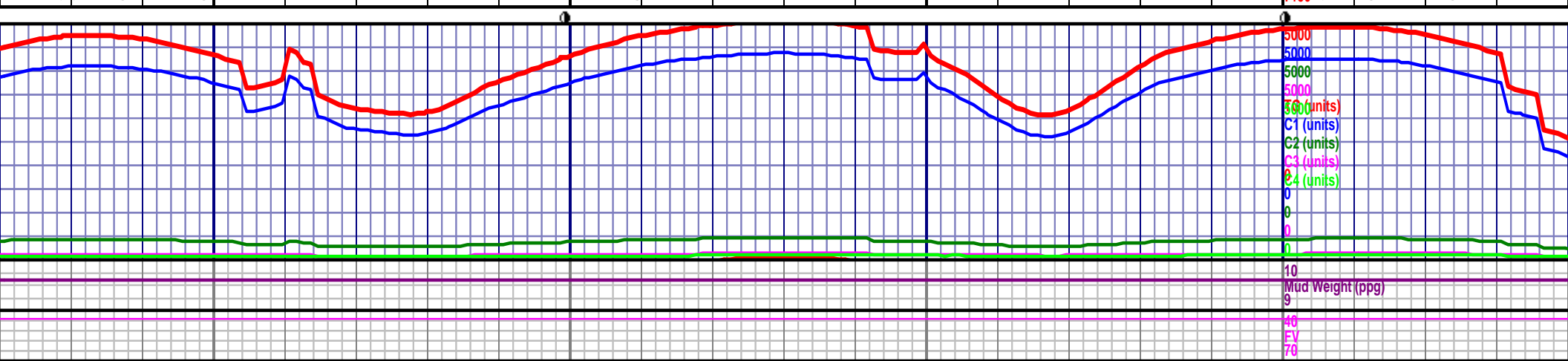
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INC 89.48 AZ 93.77
VS 8175.44

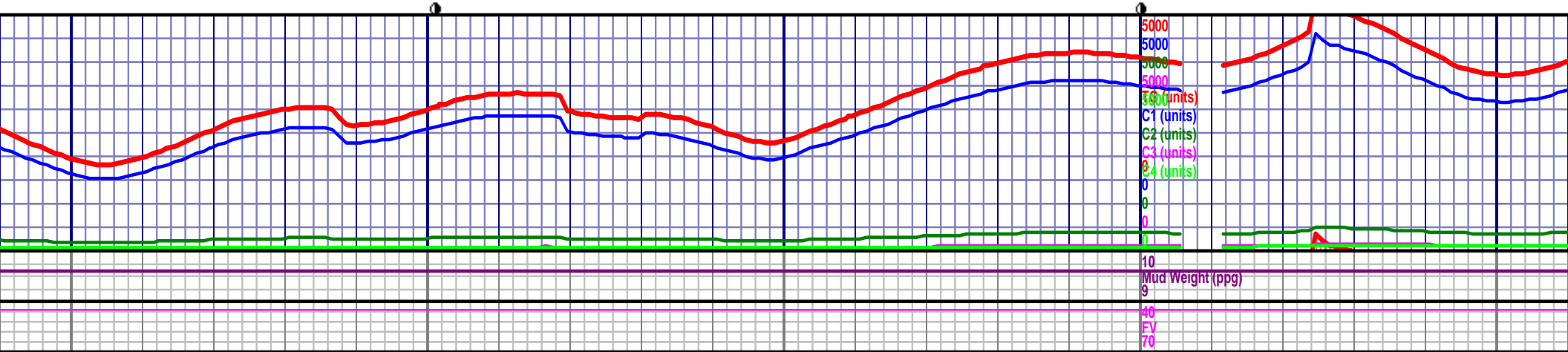
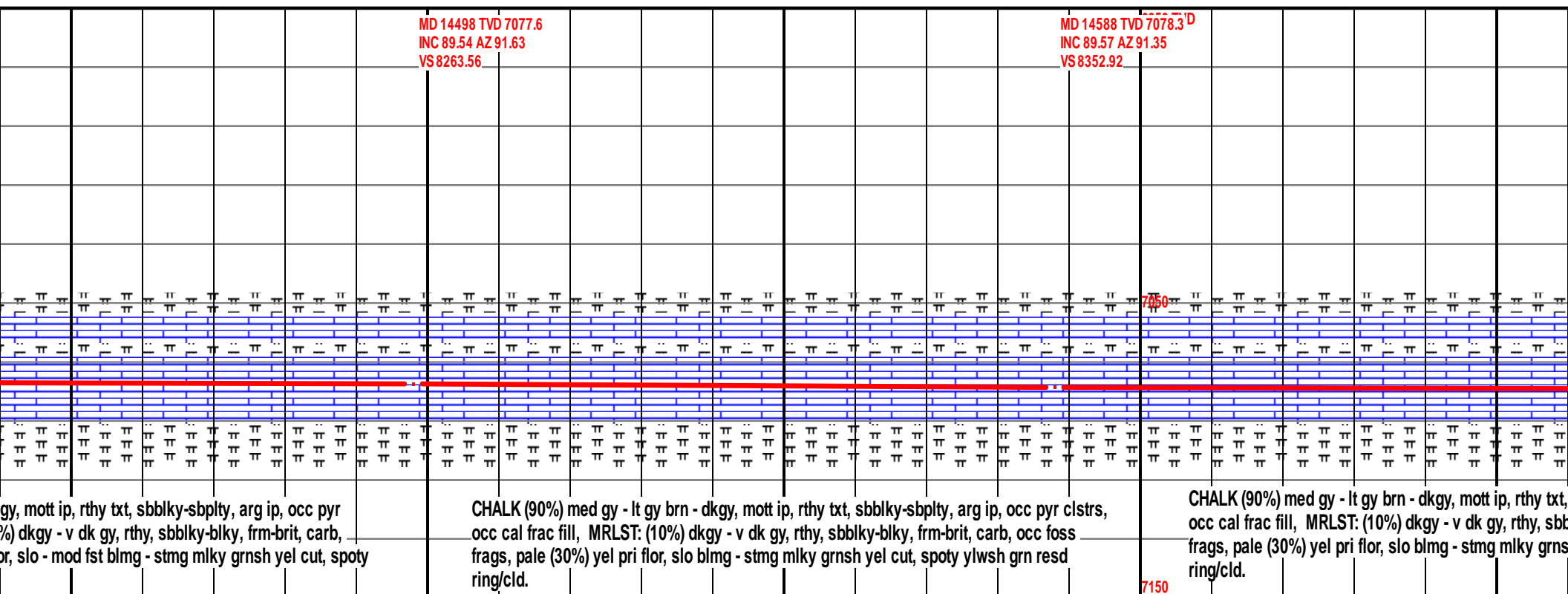
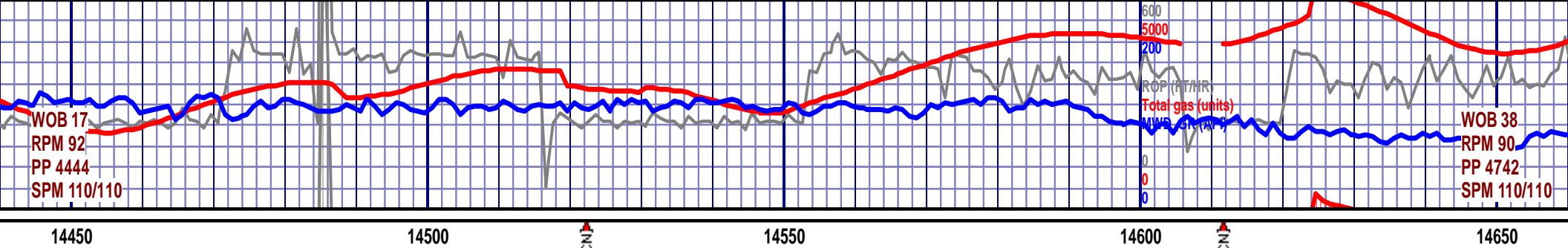


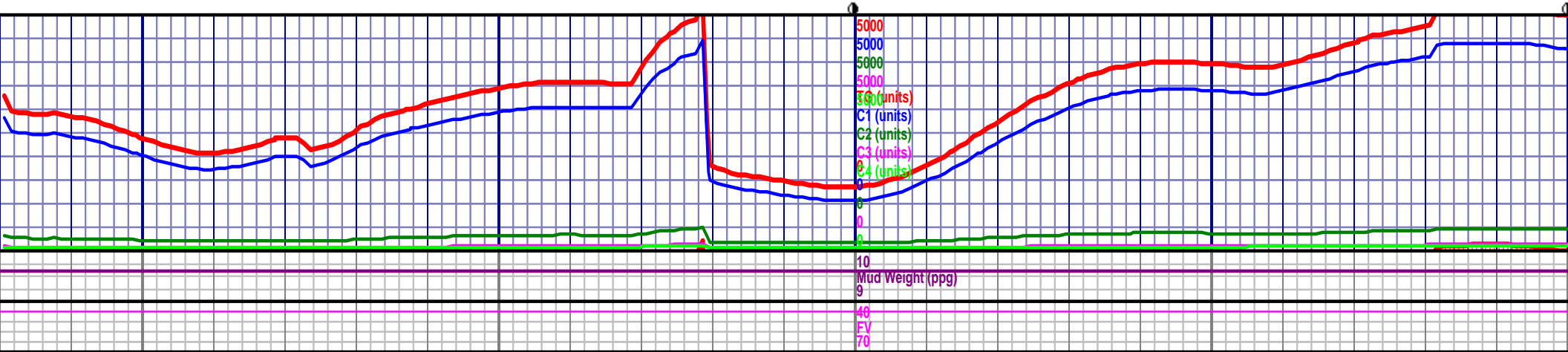
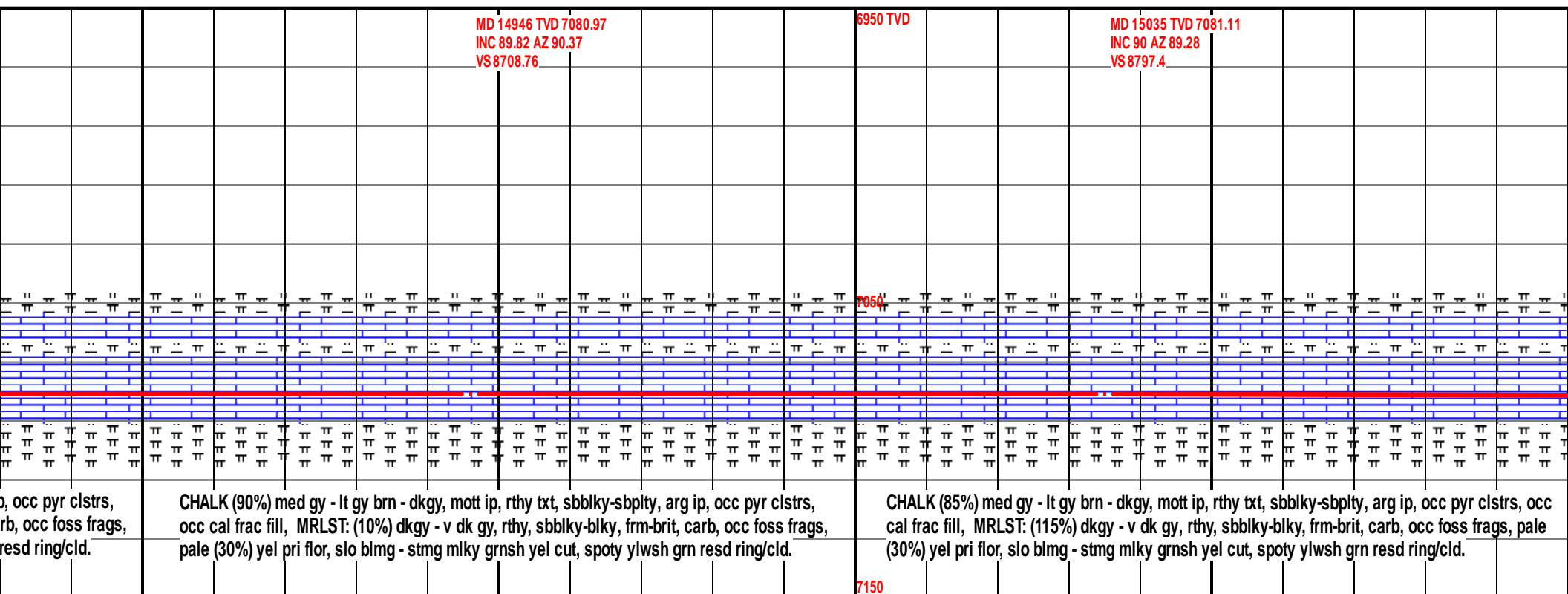
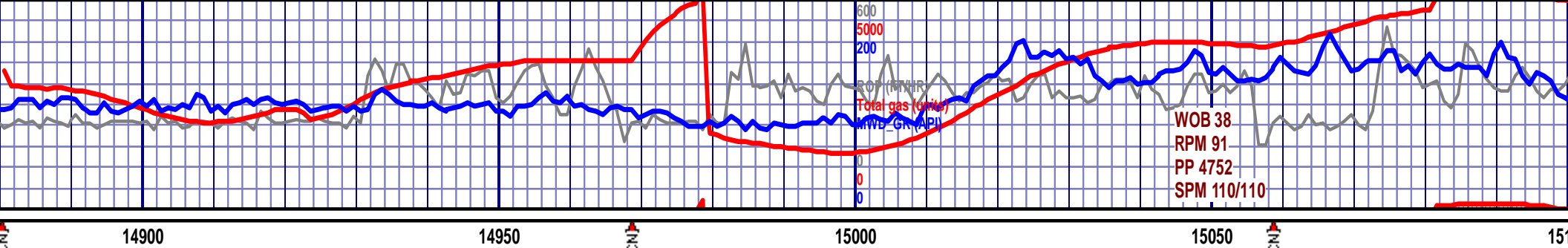
5%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ
occ cal frac fill, MRLST: (15%) dkgy - v dk gy, rthy, sbblky-blky,
carb, occ foss frags, pale (30%) yel pri flor, slo - mod fst blmg - stmg mlky
cut, spoty ylwsh grn resd ring/cld.

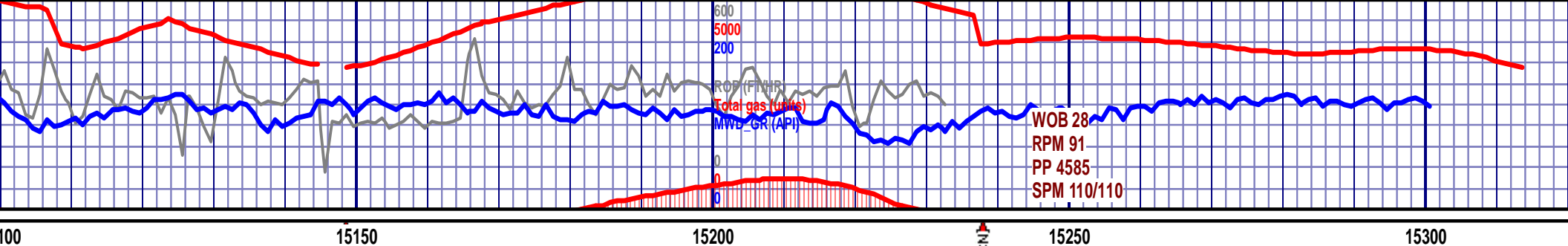
CHALK (85%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ pyr clstrs,
occ cal frac fill, MRLST: (15%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss
frags, pale (30%) yel pri flor, slo - mod fst blmg - stmg mlky grnsh yel cut, spoty ylwsh grn
resd ring/cld.

CHALK (85%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbplty, arg ip, occ pyr clstrs,
occ cal frac fill, MRLST: (15%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss
frags, pale (30%) yel pri flor, slo - mod fst blmg - stmg mlky grnsh yel cut, spoty ylwsh grn
resd ring/cld.

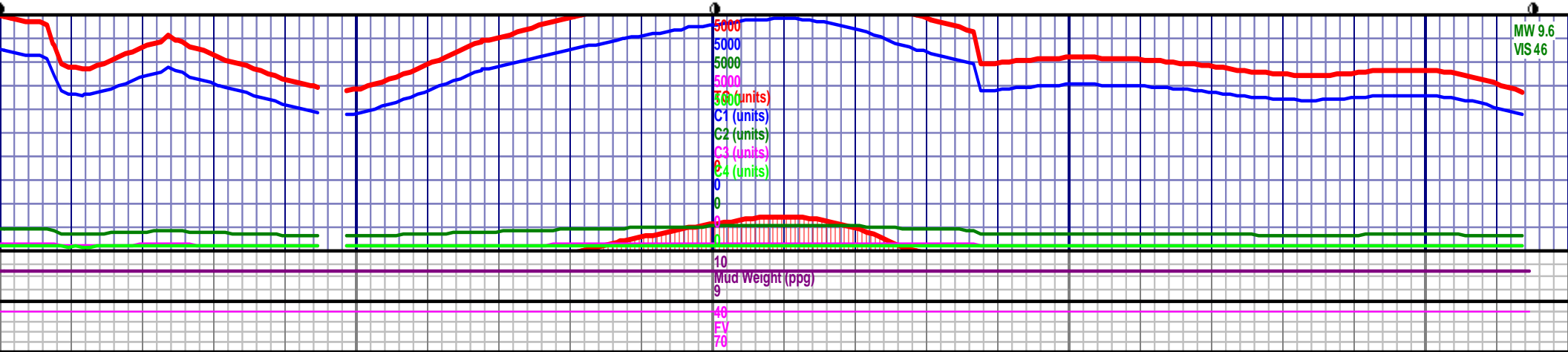








<p>MD 15125 TVD 7081.21 INC 89.88 AZ 89.04 VS 8887.13</p>	<p>6950 TVD</p>	<p>MD 15214 TVD 7081.23 INC 90.09 AZ 89.89 VS 8975.81</p>	<p>MD 15291 TVD 7081.29 INC 89.82 AZ 89.27 VS 9052.53</p> <p>BIT #3, 8.5", HUGHES, AT505F, Jets 5x15s, SN#: 7163254 Rotary Steerable Directional BHA, IN @ 10,788', ON 5/4/17, OUT ON 5/6/17 @ 15315', DRILLED 4527' IN 15 BIT HR.</p>	<p>MD 15315 TVD 7081.29 INC 89.82 AZ 89.27 VS 9052.53</p>
<p>CHALK (85%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbply, arg ip, occ pyr clstrs, occ cal frac fill, MRLST: (115%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss frags, pale (30%) yel pri flor, slo blmg - stmg mlky grnsh yel cut, spoty ylwsh grn resd ring/cld.</p>		<p>CHALK (90%) med gy - lt gy brn - dkgy, mott ip, rthy txt, sbblky-sbply, arg ip, occ pyr clstrs, occ cal frac fill, MRLST: (10%) dkgy - v dk gy, rthy, sbblky-blky, frm-brit, carb, occ foss frags, pale (30%) yel pri flor, slo blmg - stmg mlky grnsh yel cut, spoty ylwsh grn resd ring/cld.</p>		





15350

15

5315 TVD 7081.37
9.82 AZ 89.27
76.45

Final survey is a
projection to the bit.

5' reached on
t 00:00 hrs.
liner cemented in
,299' on 5/7/2017

FORMATION TOPS

MD

TVD

SSD

Sharon Springs
Niobrara A Chalk
Niobrara B Chalk
Niobrara C Chalk

6910'
6950'
7110'
7284'

6799'
6832'
6937'
7014'

-2040'
-2073'
-2178'
-2255'

Target Heel
Target Toe

7543'
15315'

7046'
7081'

-2287'
-2322'

Thank You
Goolsby Brothers & Assoc. Inc