

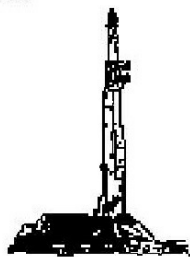
GOOLSBY BROTHERS and associates, inc.

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 11C-22-M

API: 051234438100

Location: SE/SE Section 20 T6N R66W Weld County, CO.

License Number:

Spud Date: May 7, 2017

Region: Wattenberg

Drilling Completed: May 11, 2017

Surface Coordinates: 685' FSL 1122' FEL SESE Sec. 20 T6N R66W

Latitude 40°28'05.686"N Longitude 104°47'47.119"W

Bottom Hole Coordinates: Planned: 1616' FSL 2609' FWL Sec: 21 Twp: 6N 66W

Ground Elevation (ft): 4,734'

K.B. Elevation (ft): 4,759'

Logged Interval (ft): 6700' To: 15,473' Total Depth (ft): 15,473' DMTD

Formation: Codell

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

Address: 1675 Broadway, Suite 2600
Denver, Colorado 80202
(720) 616-4300

GEOLOGIST

Name: Tekabe Gedamu & 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 15458' MD.

Casing

9 5/8" Surface Casing pre set @ 1,776' MD.

5 1/2" 20# CDC-HDQ HCP-110 Production Liner Run to 15,454'.

Comments

- 1) Drilling Contractor: Precision Drilling, Rig #562
Pumps 1&2: Rostell F-1600 5" x 12" (.0692 Bbls./stroke)
Toolpusher: Michael Ellingsworth, Tyson.
- 2) Company Man: Kent Priddy
Kevin Brakovec
Caleb
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: Carlos Lopez, Baker Remote Field Operations.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Tekabe Gedamu & Dallan Gardner

ROCK TYPES

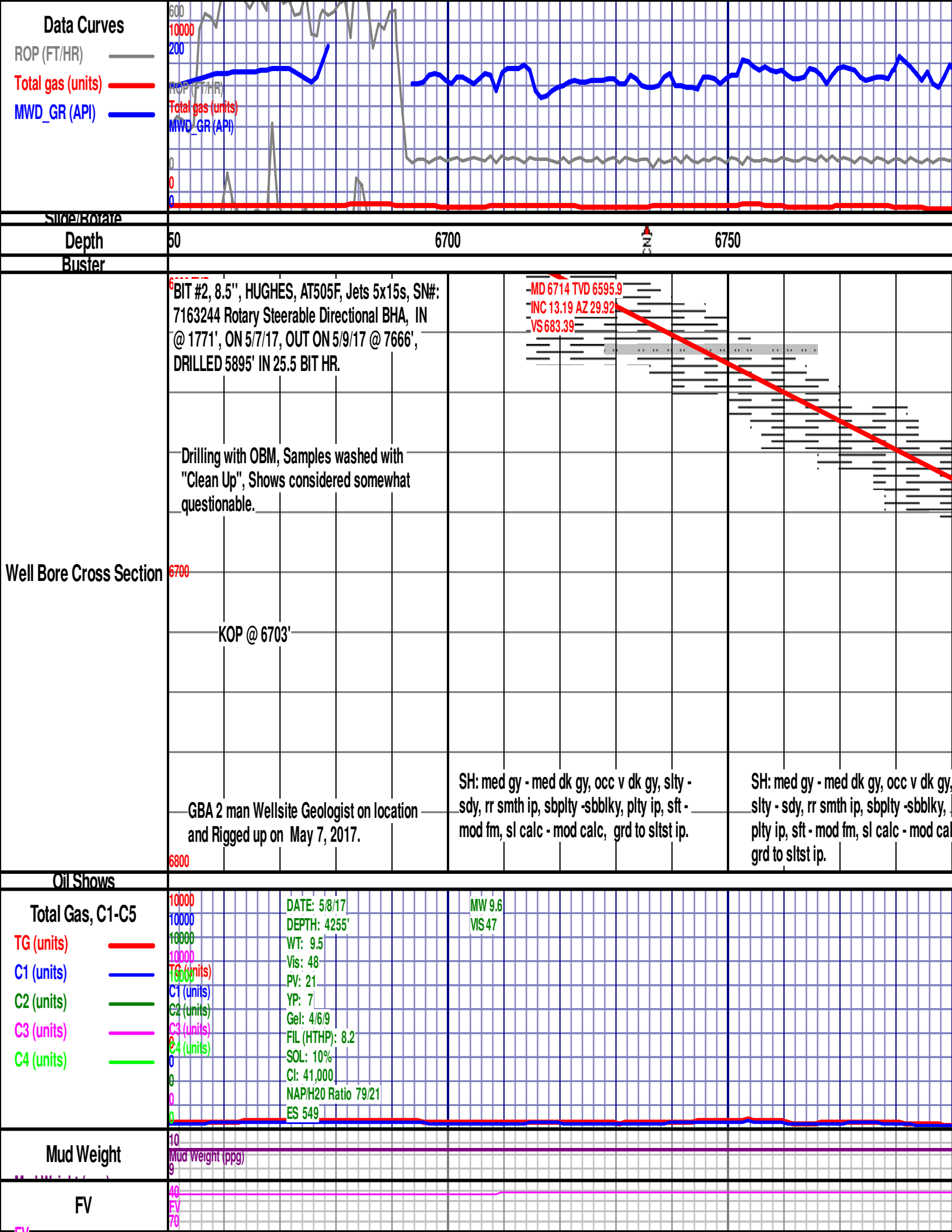
	Bent		Dol		Mrlst_sh (intbdd)		Carb sh
	Cht		Lmst		Shale		Ss
	Clyst		Chalk		Shgy		Sltst
	Oil sat.		Mrlst		Silty sh		

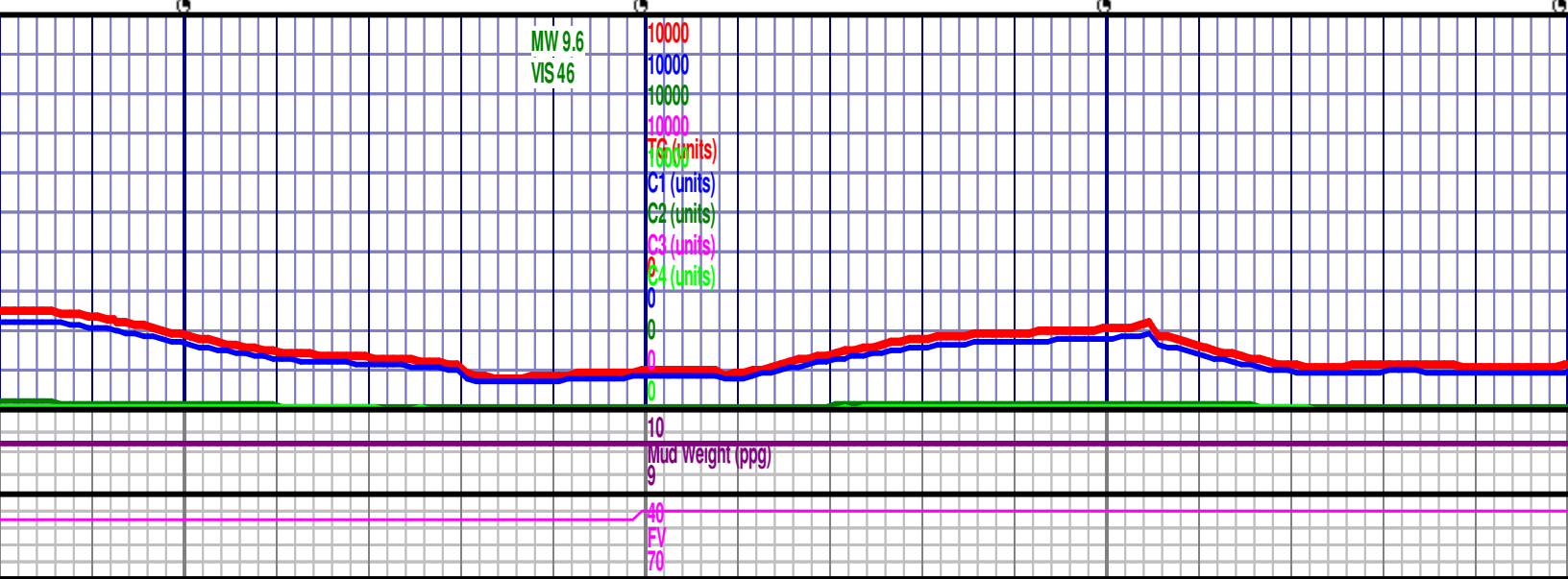
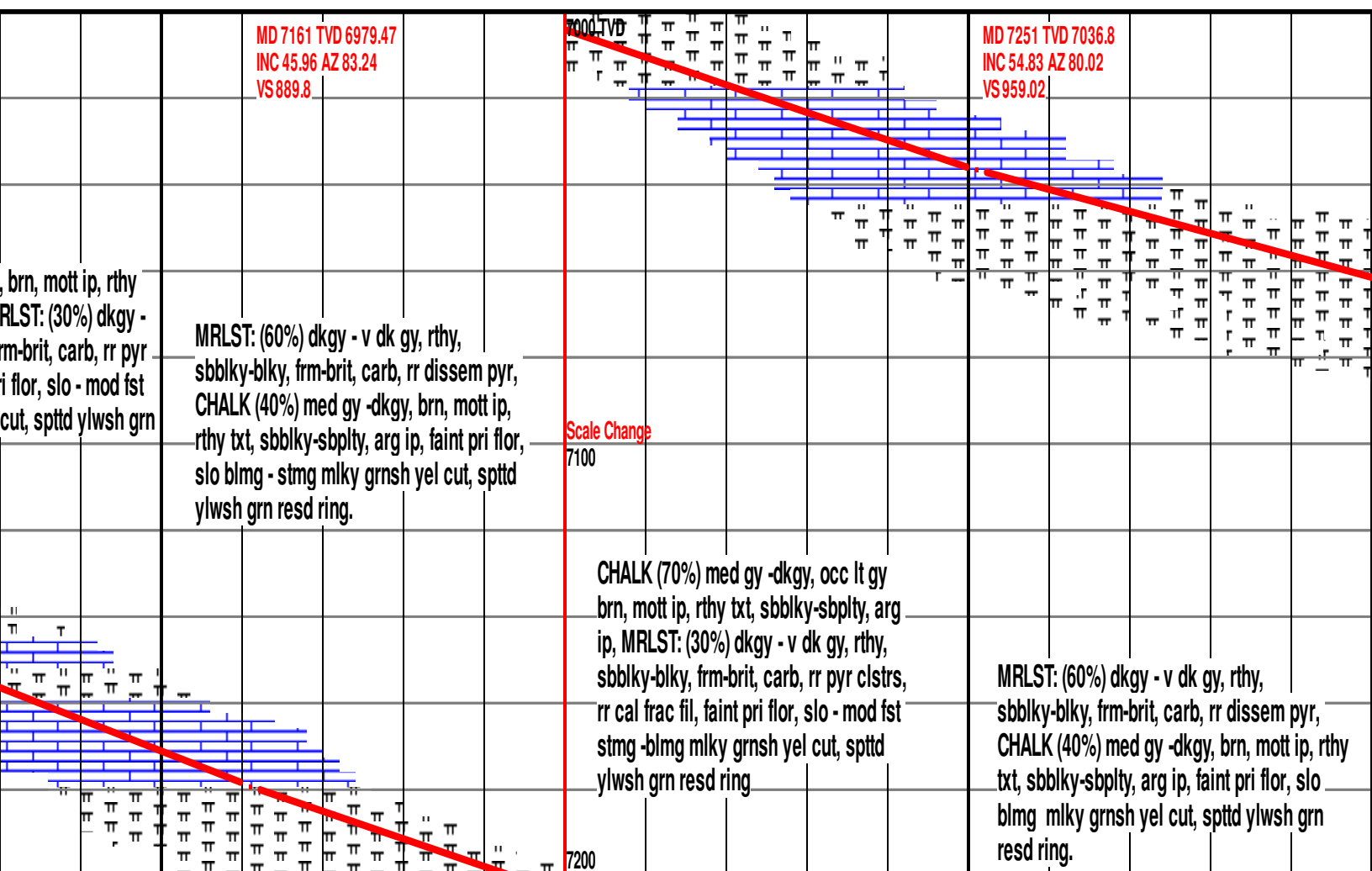
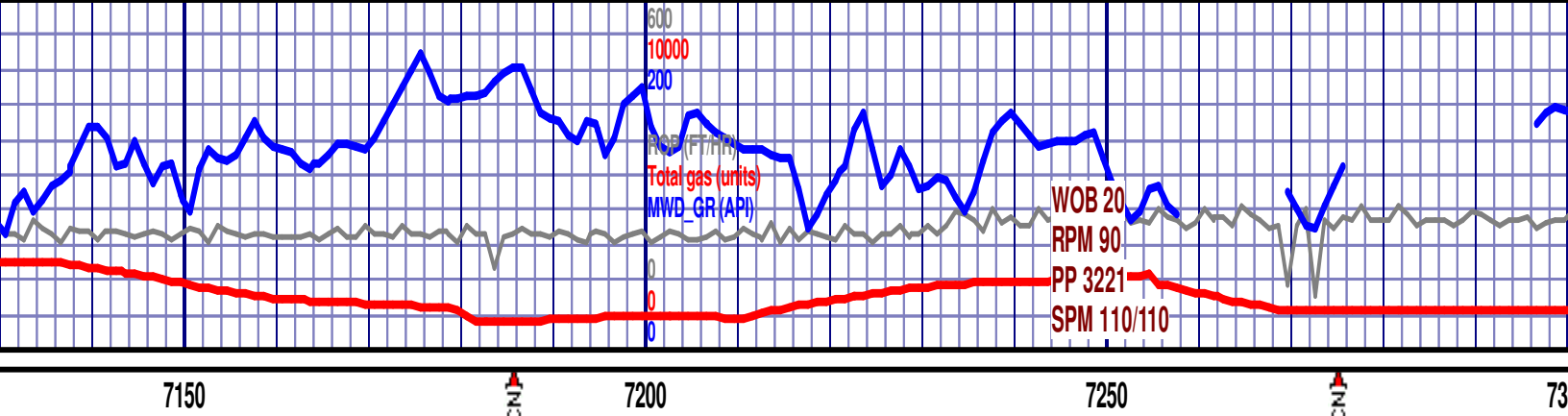
ACCESSORIES

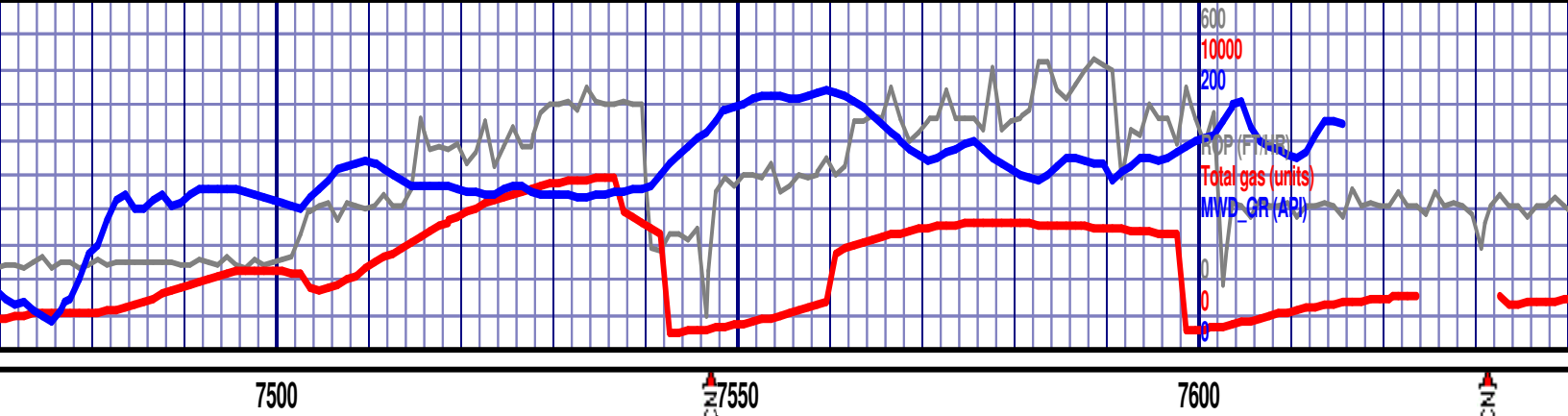
MINERAL							
	Anhy		Marl		Cephal		Bent
	Arggrn		Minxl		Coral		Dol
	Arg		Nodule		Crin		Ls
	Bent		Phos		Echin		Mrst
	Bit		Pyr		Fish		Sltstrg
	Brecfrag		Salt		Foram		Ssstrg
	Calc		Sandy		Fossil	TEXTURE Boundst Chalky Cryxln Earthy Finexln Grainst Lithogr Microxln Mudst Packst Wackest	
	Carb		Silt		Gastro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

OTHER SYMBOLS

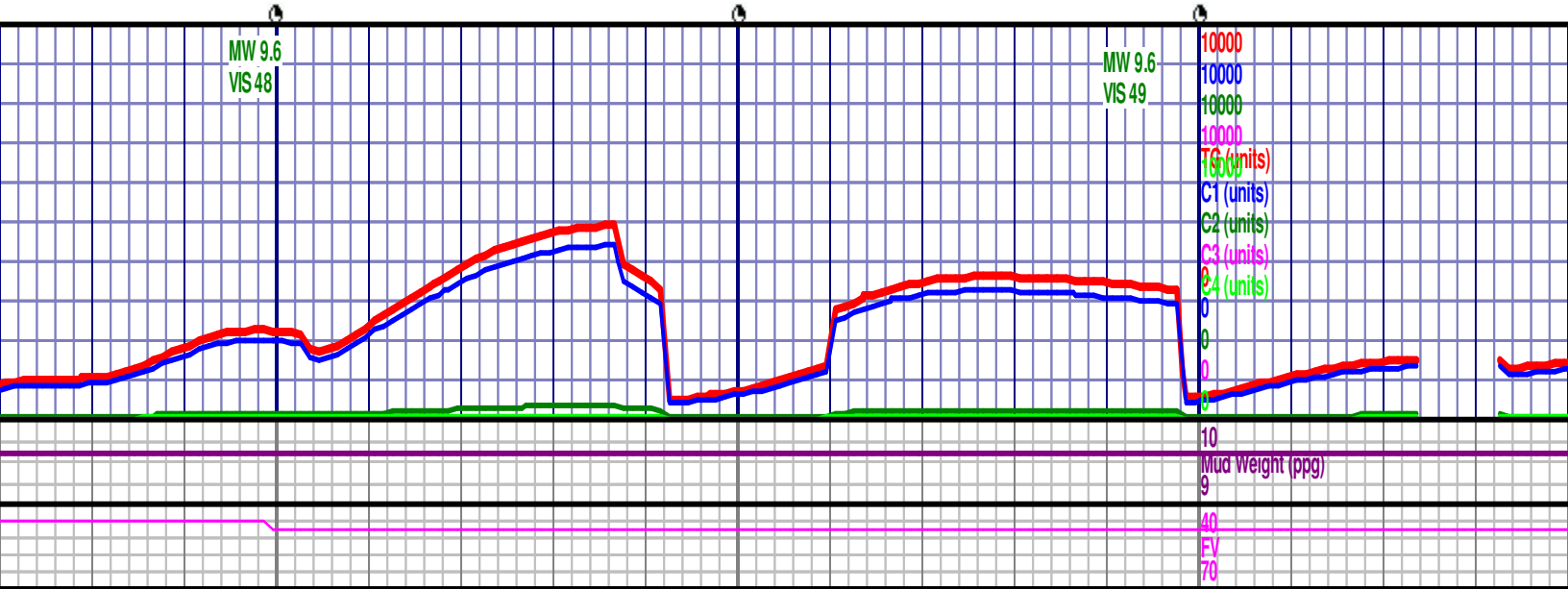
OIL SHOWS		POROSITY TYPE		<div>P</div> Pinpoint	<div>A</div> Angular
<div>Even</div>	<div>E</div> Earthy	<div>V</div> Vuggy	<div>ROUNDING</div> <div><div>R</div>Rounded</div> <div><div>r</div>Subrnd</div> <div><div>a</div>Subang</div>		<div>SORTING</div> <div><div>W</div>Well</div> <div><div>M</div>Moderate</div> <div><div>P</div>Poor</div>
<div>Spotted</div>	<div>a</div> Fenest				
<div>Ques</div>	<div>F</div> Fracture				
<div>Dead</div>	<div>X</div> Inter				
<div>Vspotty</div>	<div>g</div> Moldic				
<div>near even</div>	<div>o</div> Organic				







<p>lt bnsh gy - crm, micritic, vis por; SS: (45%) med gy - brn, l vf gr - l f gr, sbang - sb mod frm, fri ip, cly cmnt, slty ip, est vis por 8-10% faint sppty blmg - stmg mlky grnsh yel n resd ring.</p>	<p>MD 7519 TVD 7140.77 INC 78.79 AZ 93.48 VS 1203.34</p> <p>SS: (90%) med gy - dk gy, occ lt gysh brn, l vf gr - l f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, slty ip, arg, dism pyr, est vis por 8-10% SH: (10%) gy-med dkgy, slty-rthy txt, sbply -sbbkly, tr LS AA., faint sppty pale yel pri flor, slo blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.</p>	<p>SS: (90%) med gy - dk gy, occ lt gysh brn, l vf gr - l f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, icrg slty, arg, dism pyr, grd to sltst ip, est vis por 8-10% SH: (10%) gy-med dkgy, slty-rthy txt, sbply -sbbkly faint sppty pale yel pri flor, slo blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.</p>	<p>7000 TVD MD 7609 TVD 7149.76 INC 89.72 AZ 95.79 VS 1291.03</p> <p>SS: (90%) med gy - dk gy, occ lt gysh brn, l vf gr - l f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, icrg slty, arg, dism pyr, grd to sltst ip, est vis por 8-10% SH: (10%) gy-med dkgy, slty-rthy txt, sbply -sbbkly faint sppty pale yel pri flor, slo blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.</p>
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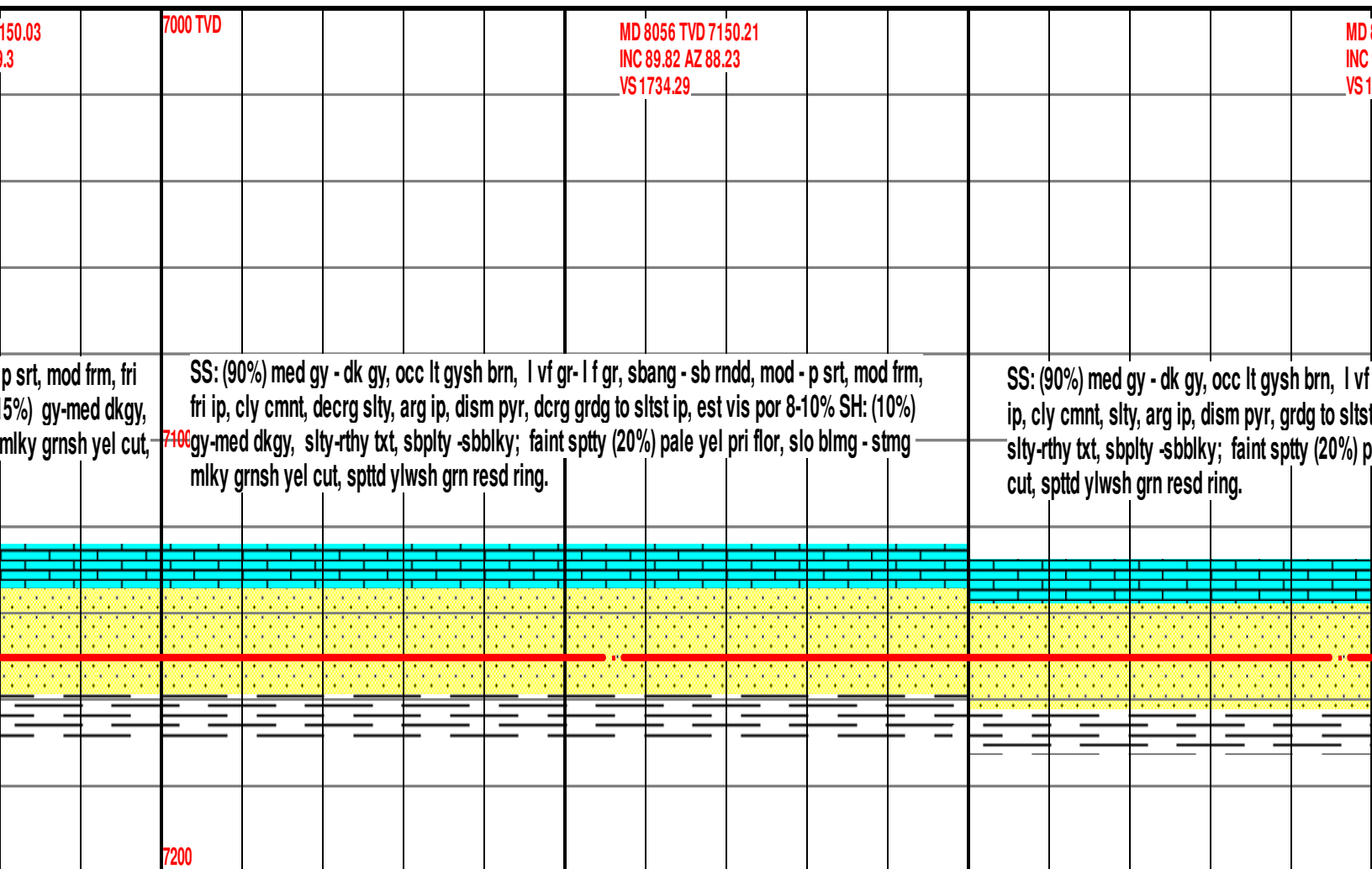
its)
PJ)

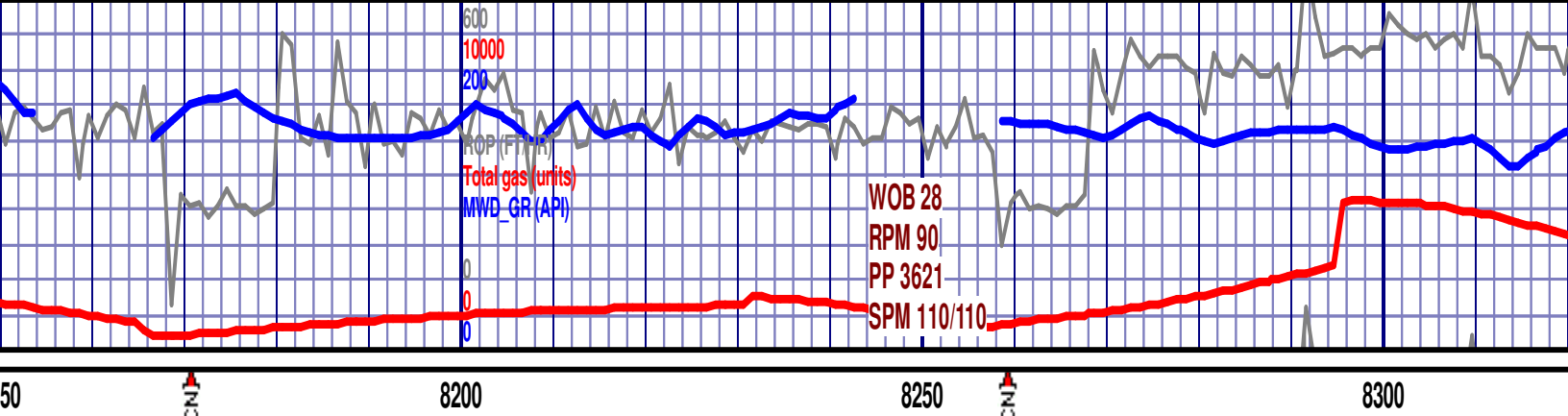
MD 7967 TVD 7
INC 89.94 AZ 89
VS 1645.67

SS: (85%) med gy - dk gy, occ lt gysh brn, l vf gr- l f gr, sbang - sb rndd, mod - ip, cly cmnt, icrg slty, arg ip, dism pyr, grdg to sltst ip, est vis por 8-10% SH: (1 slty-rthy txt, sbplty -sbblyk; faint sppty (20%) pale yel pri flor, slo blmg - stmg spottd ylwsh grn resd ring.



ppg)





8146 TVD 7150.26
90.12 AZ 88.29
823.96

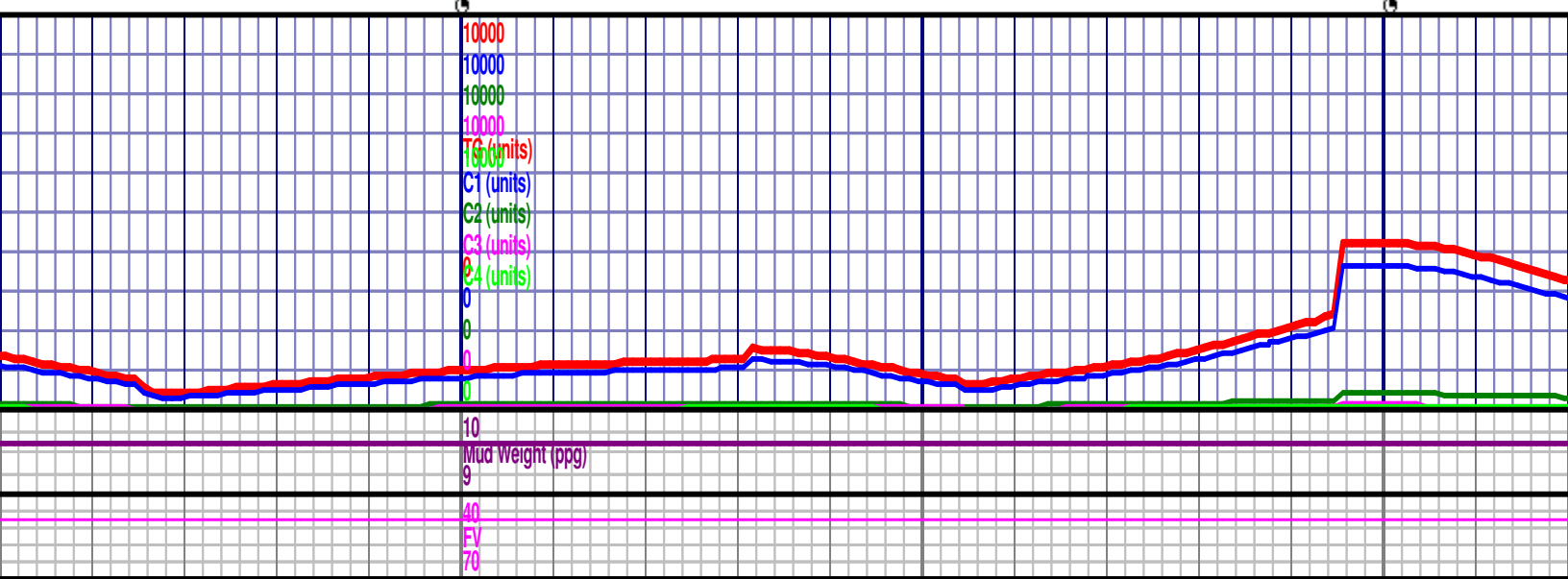
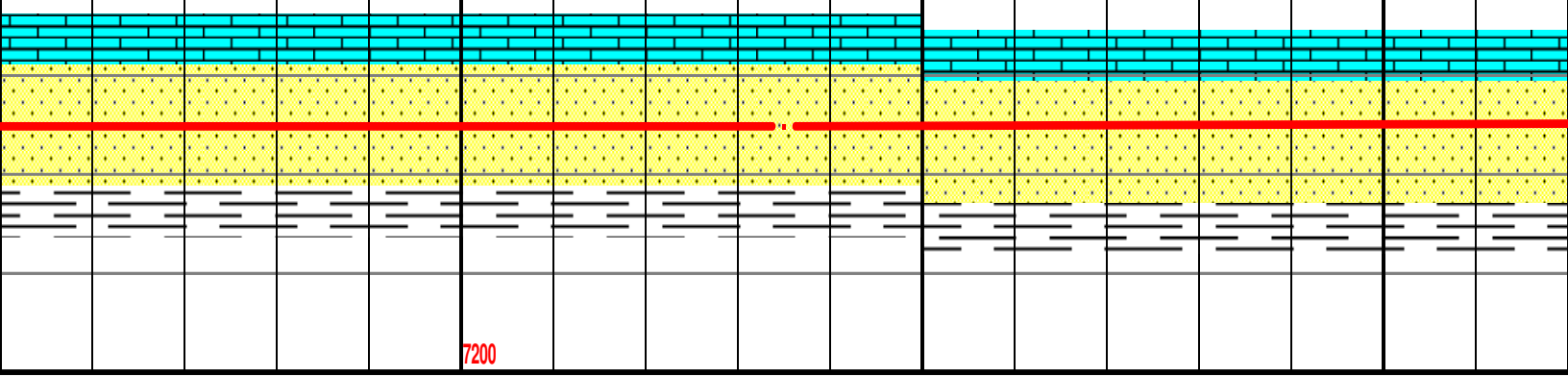
7000 TVD

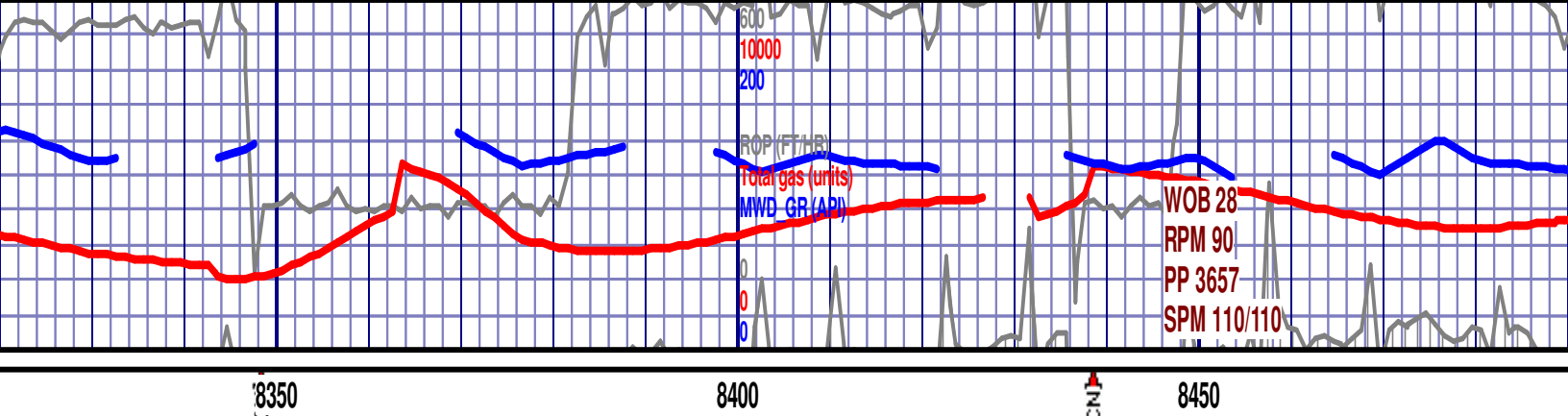
MD 8235 TVD 7150.17
INC 90 AZ 89.22
VS 1912.58

gr-l f gr, sbang - sb rndd, mod - p srt, mod frm, fri
ip, est vis por 8-10% SH: (10%) gy-med dkgy,
ale yel pri flor, slo blmg - stmg mlky grnsh yel

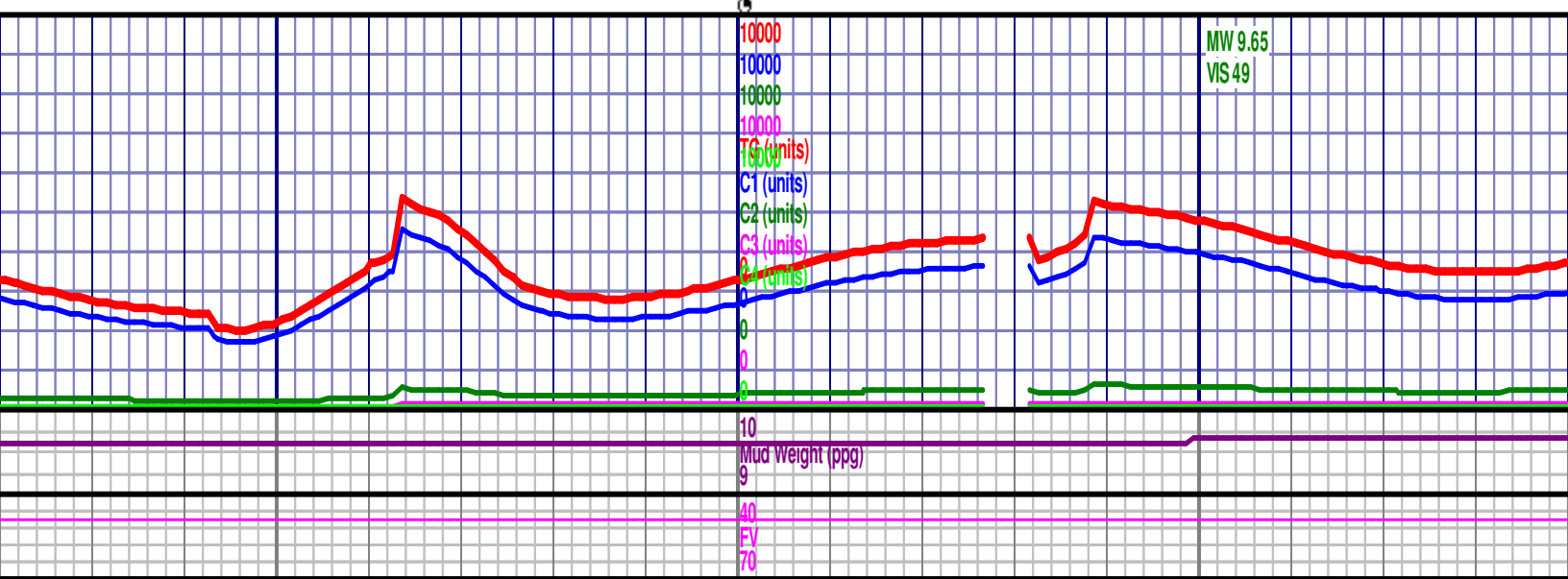
SS: (90%) med gy - dk gy, occ lt gysh brn, l vf gr-l f gr, sbang - sb rndd, mod - p srt, mod frm,
fri ip, cly cmnt, decrg slty, arg ip, dism pyr, decrg grd to sltst ip, est vis por 8-10% SH: (10%)
gy-med dkgy, slty-rthy txt, sbply -sbblky; faint sppty (20%) pale yel pri flor, slo blmg - stmg
mlky grnsh yel cut, spttd ylwsh grn resd ring.

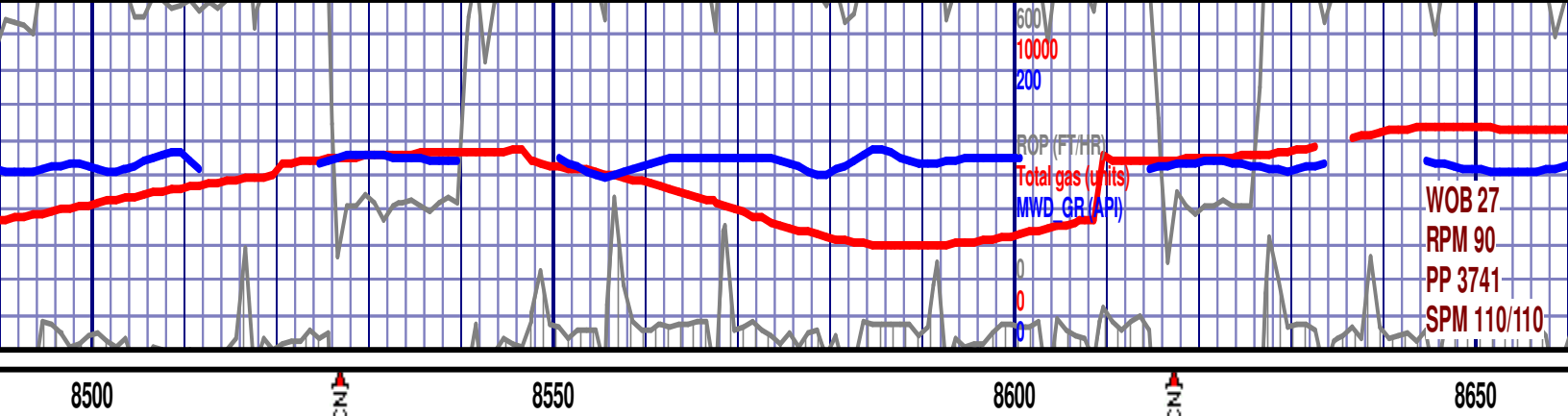
SS: (95%) med gy
ip, cly cmnt, slty,
slty-rthy txt, sbply
cut, spttd ylwsh g





<p>MD 8325 TVD 7149.95 INC 90.28 AZ 89.78 VS 2002.07</p>	<p>7000 TVD MD 8414 TVD 7149.61 INC 90.15 AZ 90.49 VS 2090.46</p>
<p>- dk gy, occ lt gysh brn, l vf gr- l f gr, sbang - sb rndd, mod - p srt, mod frm, fri arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH: (5%) gy-med dkgy, y -sbbiky; faint sptty (20%) pale yel pri flor, slo blmg - stmg miky grnsh yel rn resd ring.</p>	<p>SS: (95%) med gy - dk gy, occ lt gysh brn, l vf gr- l f gr, sbang - sb rndd, mod - p srt, m frm, fri ip, cly cmnt, slty, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH: (5%) gy-med dkgy, slty-rthy txt, sbply -sbbiky; faint sptty (20%) pale yel pri flor, slo blmg - miky grnsh yel cut, spttd ylwsh grn resd ring.</p>



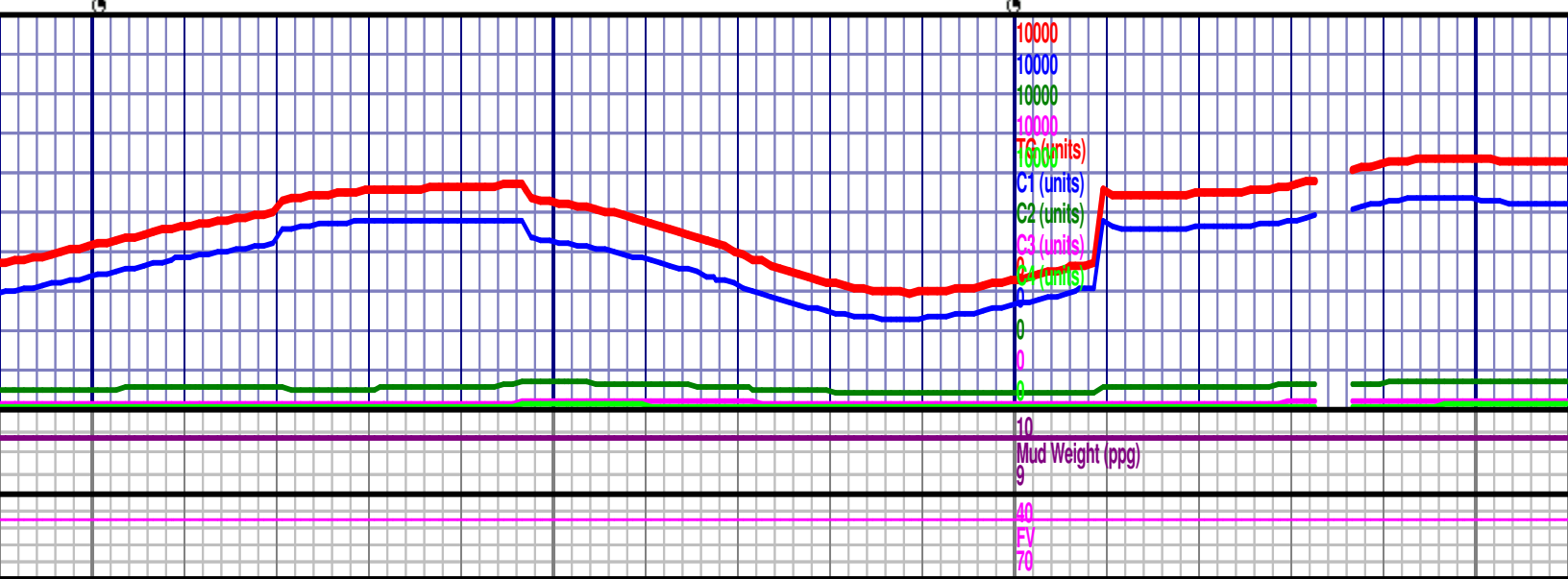
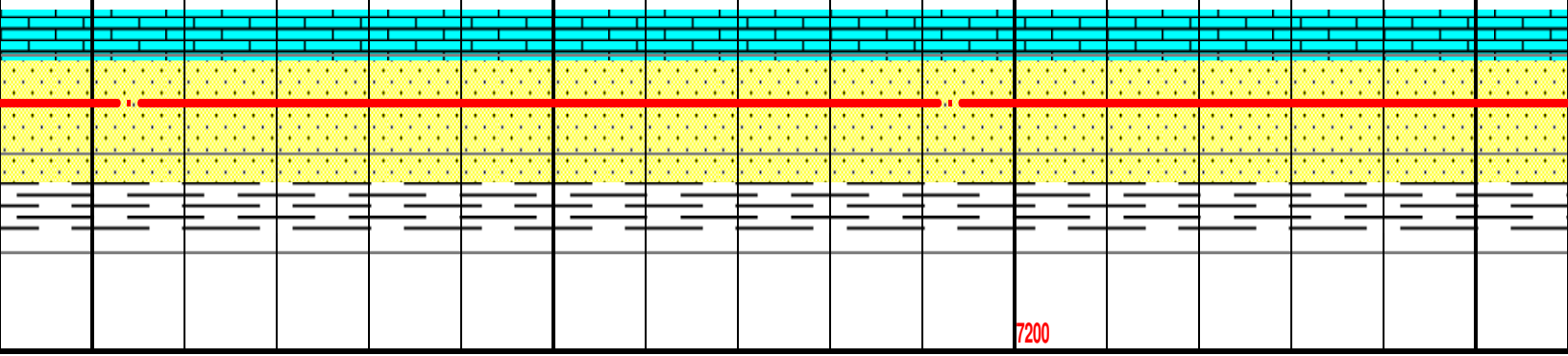


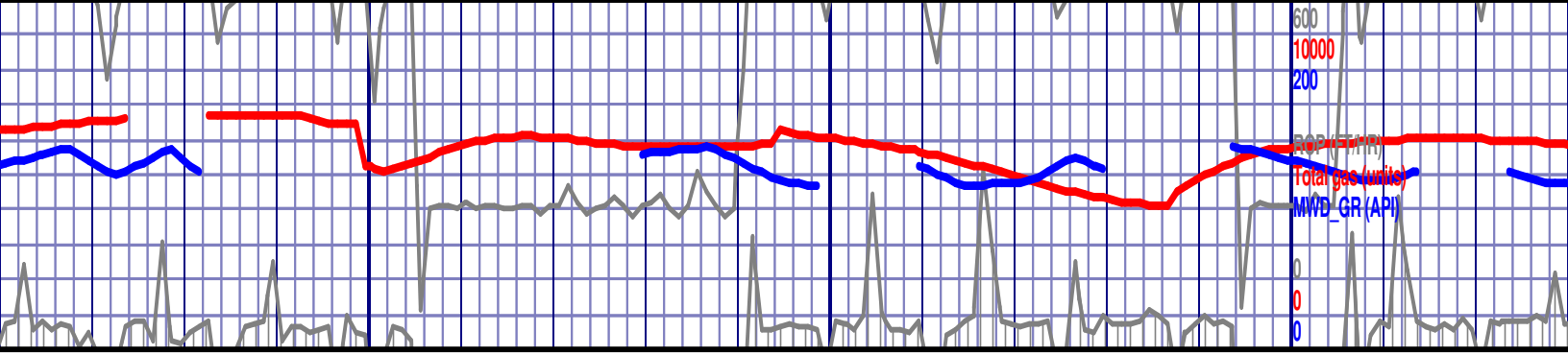
MD 8504 TVD 7149.59
INC 89.88 AZ 90.65
VS 2179.76

MD 8593 TVD 7149.68
INC 90 AZ 90.21
VS 2268.09

SS: (95%) med gy - dk gy, occ lt gysh brn, l vf gr-l f gr, sbang - sb rdd, mod - p srt, mod frm, fri ip, cly cmnt, slty, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH: (5%) gy-med dkgy, slty-rthy txt, sbply -sbbkly; faint spty (20%) pale yel pri flor, slo blmg - stmg milky grnsh yel cut, spttd ylwsh grn resd ring.

SS: (95%) med gy - dk gy, occ lt gysh brn, l vf gr-l f gr, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to s gy-med dkgy, slty-rthy txt, sbply -sbbkly; faint spty milky grnsh yel cut, spttd ylwsh grn resd ring.





8700

8750

8800

MD 8683 TVD 7149.59
INC 90.12 AZ 90.01
VS 2357.48

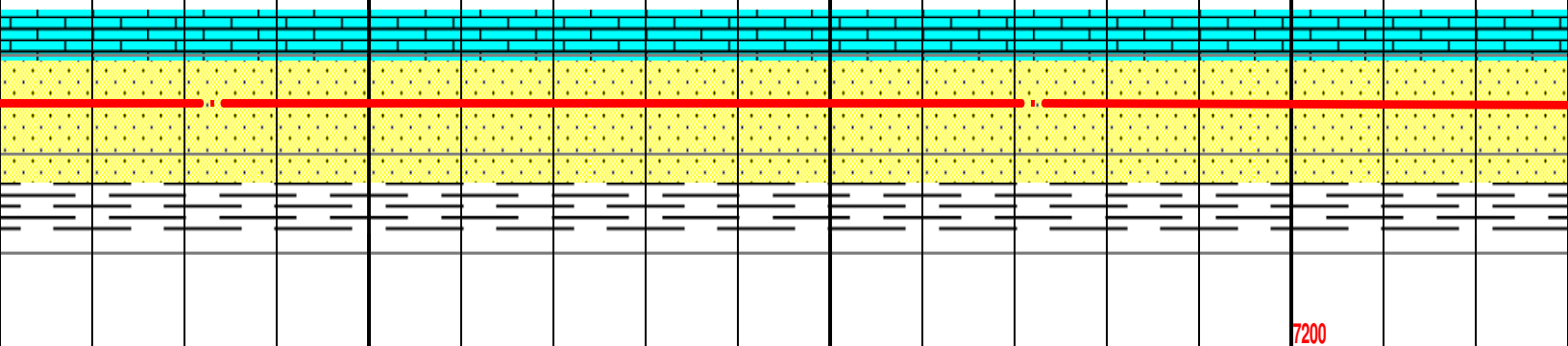
MD 8772 TVD 7149.83
INC 89.57 AZ 89.54
VS 2445.93

7000 TVD

...r, sbang - sb rndd, mod - p srt, mod frm,
stst ip, est vis por 8-10% SH: (5%)
(20%) pale yel pri flor, slo blmg - stmg

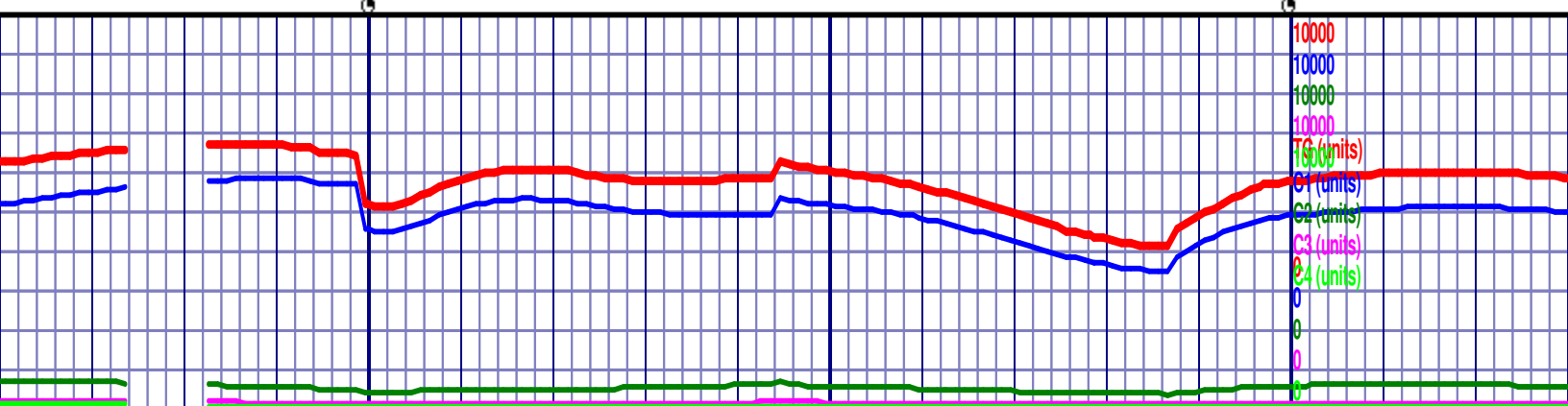
SS: (95%) med gy - dk gy, occ lt gysh brn, l vf gr- l f gr, sbang - sb rndd, mod - p srt, mod
frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH:
(5%) gy-med dkgy, slty-rthy txt, sbpity -sbbiky; faint sptty (20%) pale yel pri flor, slo
blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.

SS: (95%) med gy - dk gy,
frm, fri ip, cly cmnt, slty i
(5%) gy-med dkgy, slty-r
- stmg mlky grnsh yel cut



7100

7200



10000

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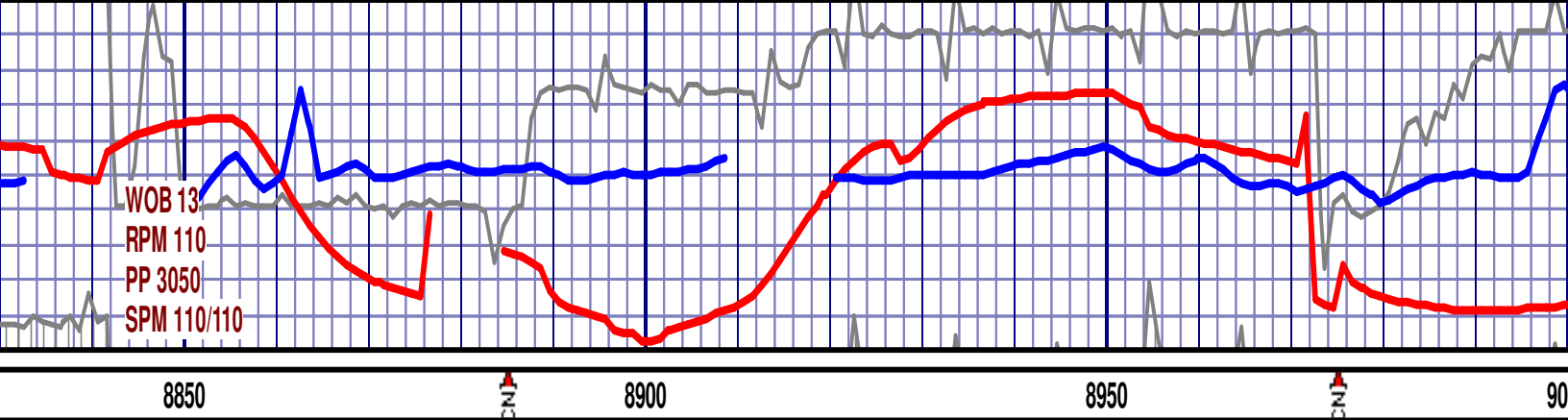
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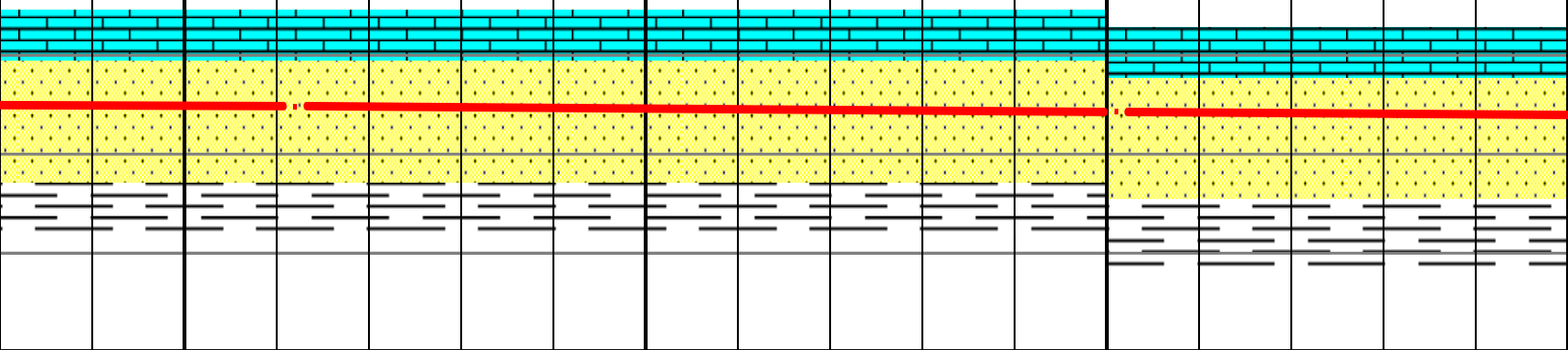
MD 8862 TVD 7150.55
INC 89.51 AZ 88.99
VS 2535.46

MD 8951 TVD 7151.36
INC 89.45 AZ 88.16
VS 2624.1

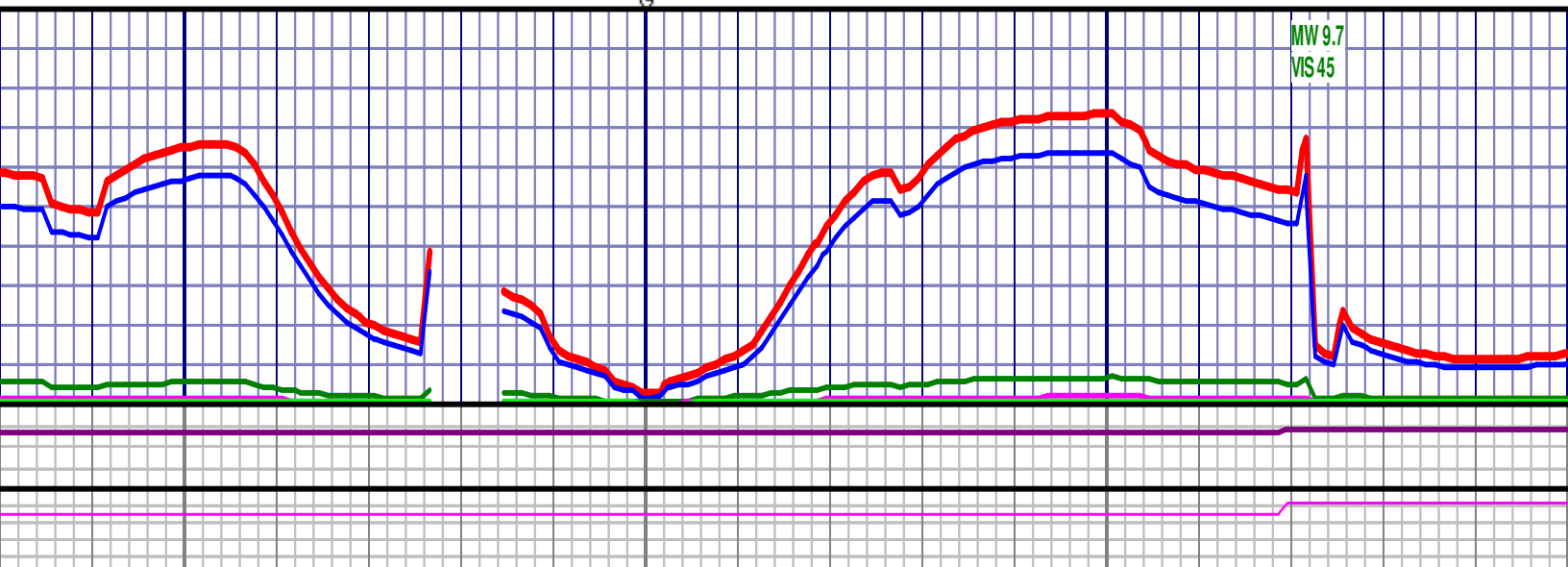
Work on pumps

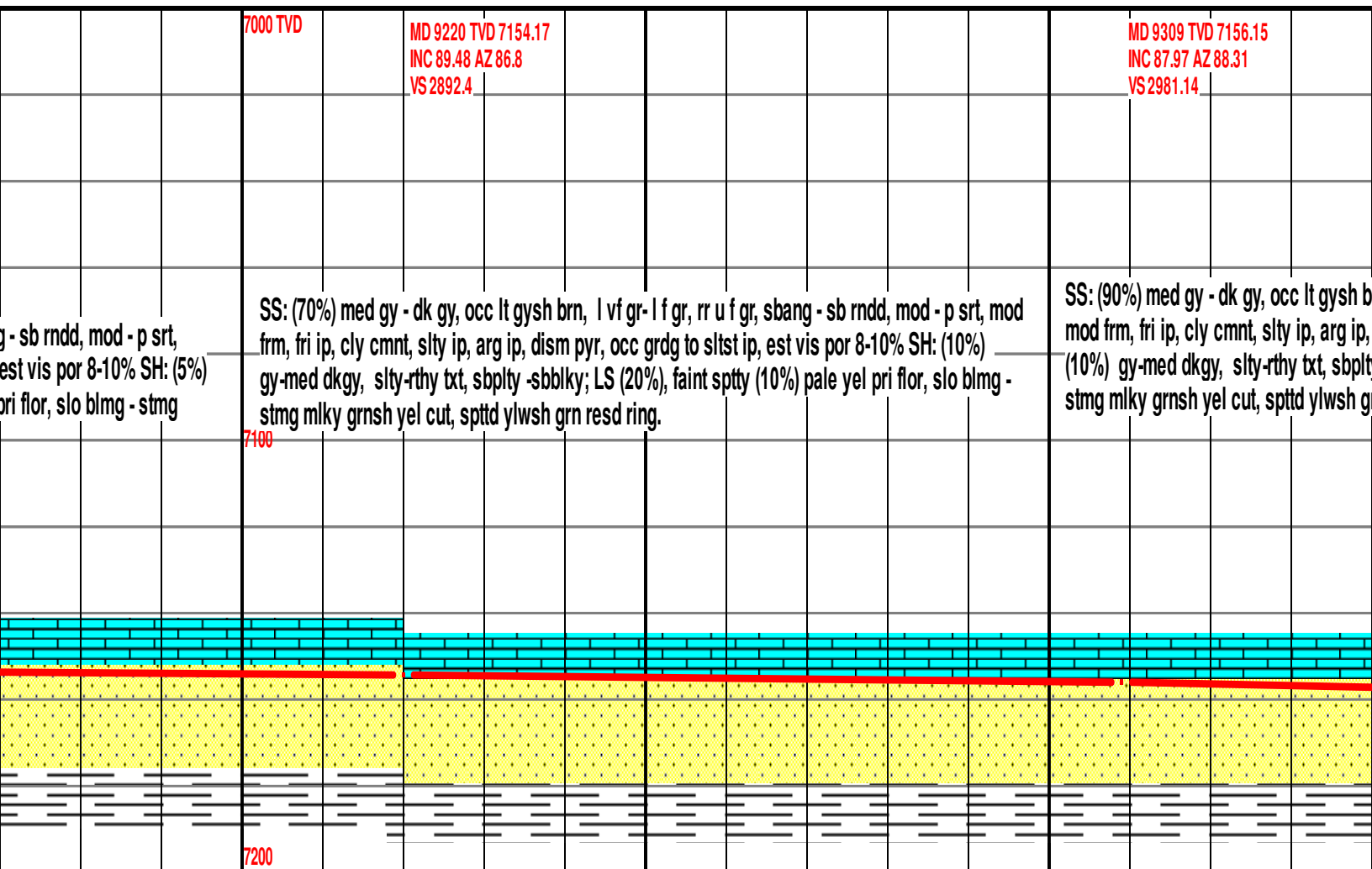
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p, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH:
thy txt, sbply -sbbiky; faint spty (20%) pale yel pri flor, slo blmg
t, spttd ylwsh grn resd ring.

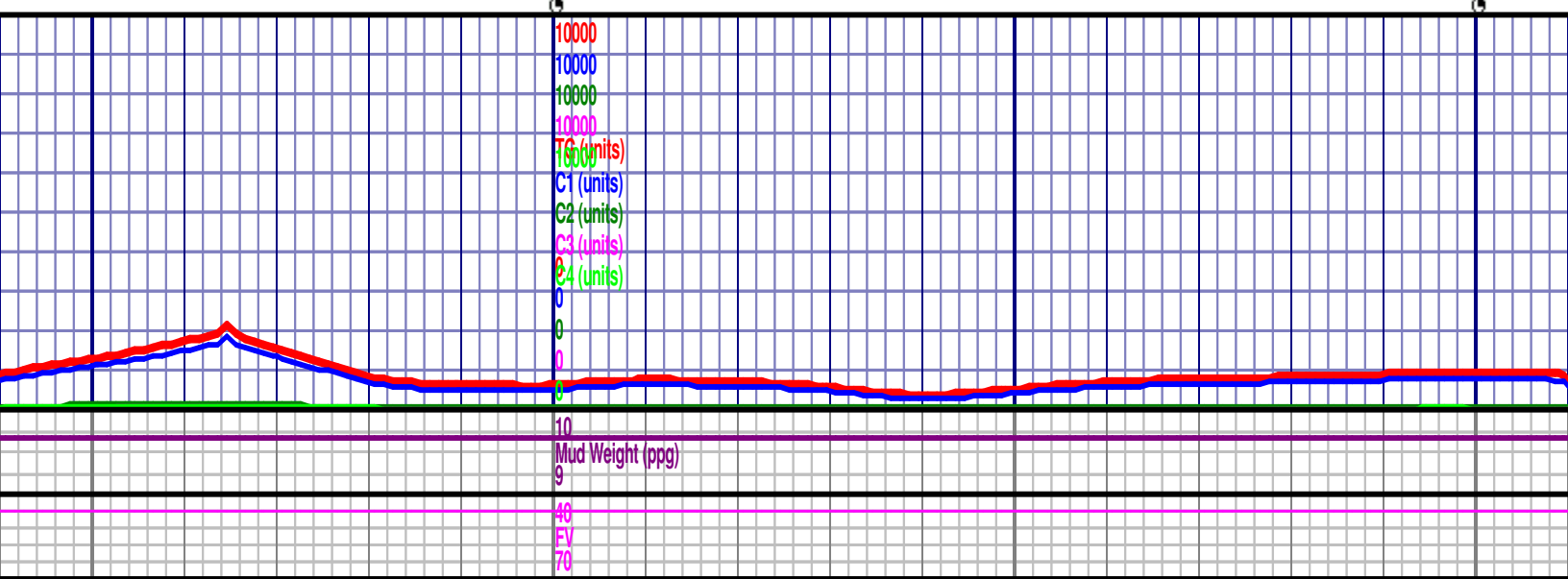
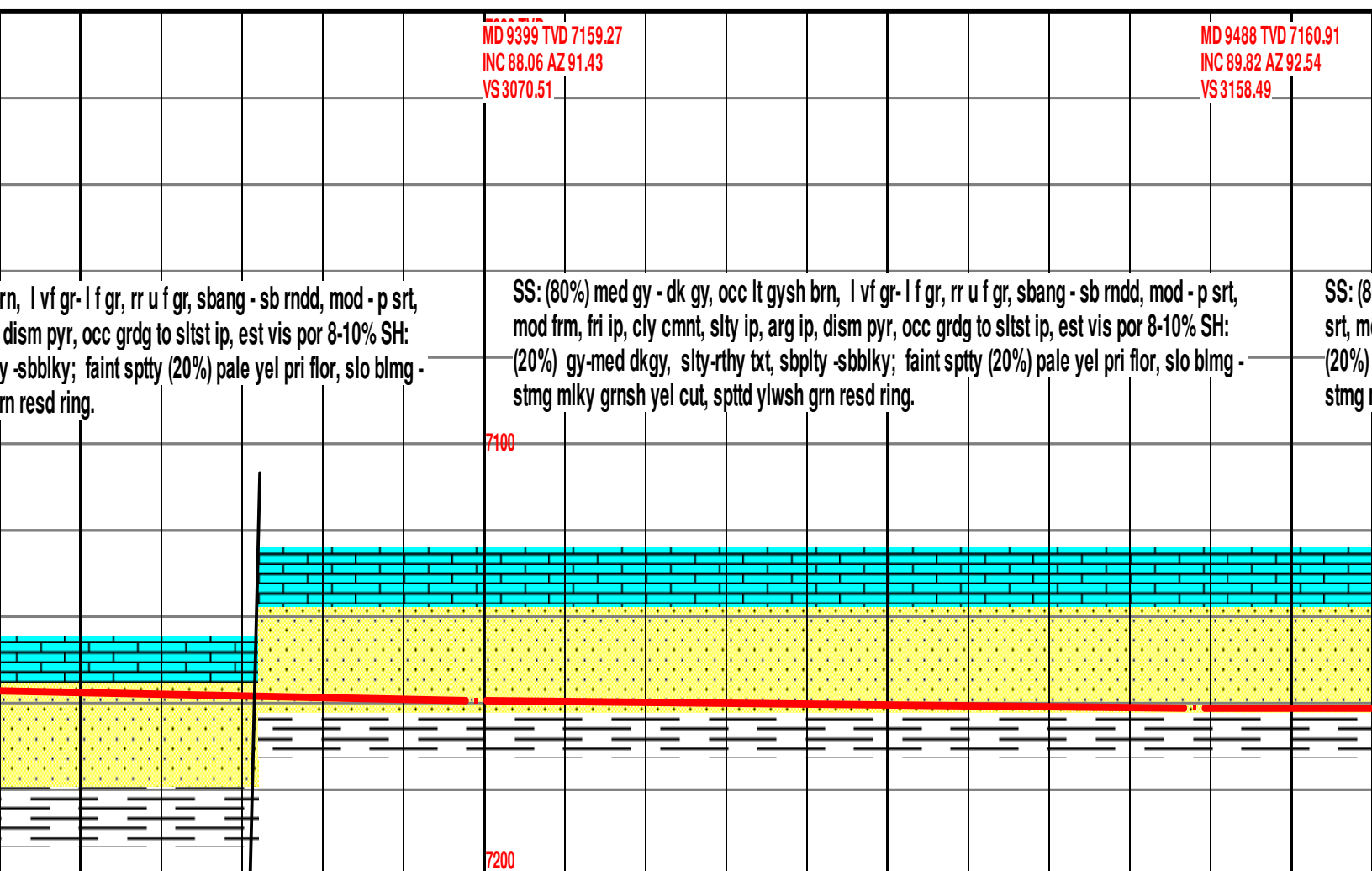
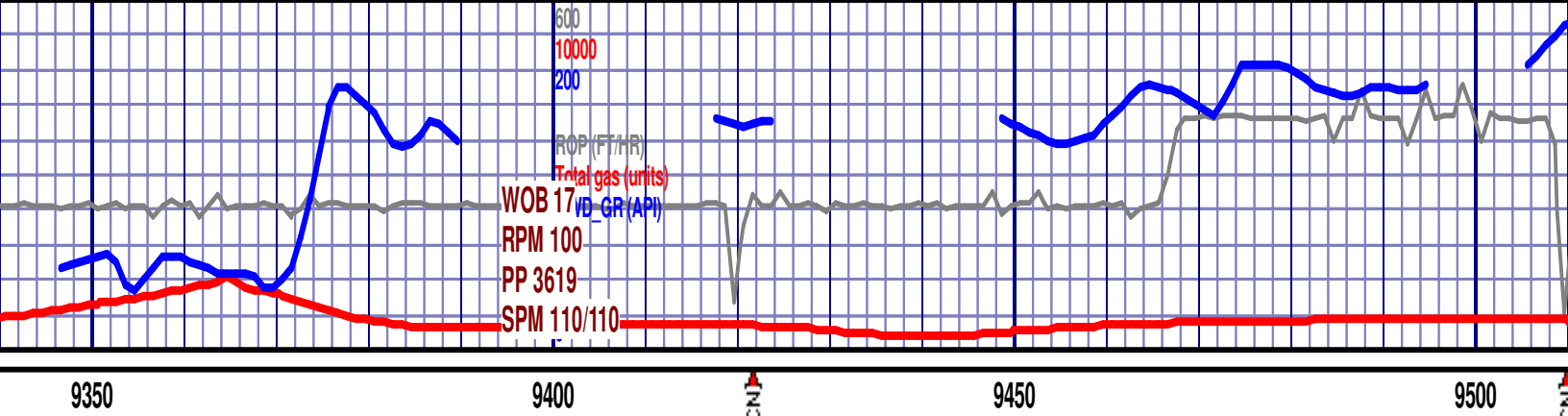
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mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH:
(5%) gy-med dkgy, slty-rthy txt, sbply -sbbiky; faint spty (20%) pale yel pri flor, slo blmg -
stmg milky grnsh yel cut, spttd ylwsh grn resd ring.

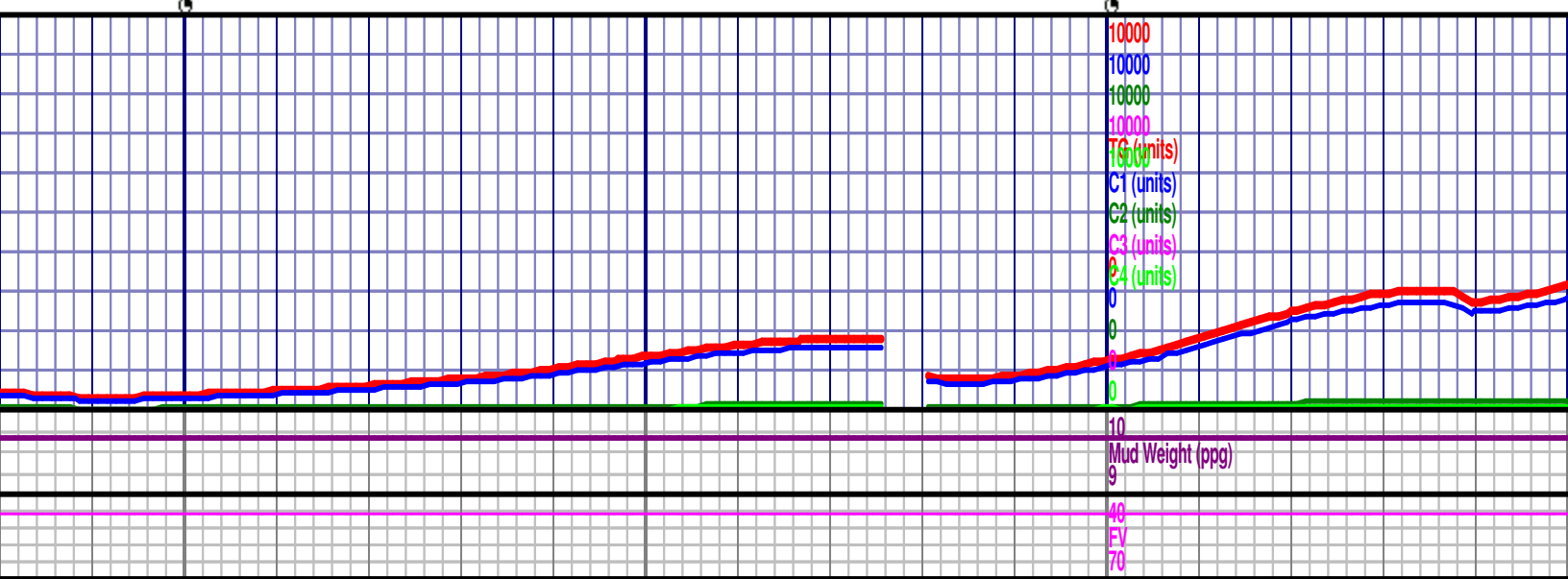


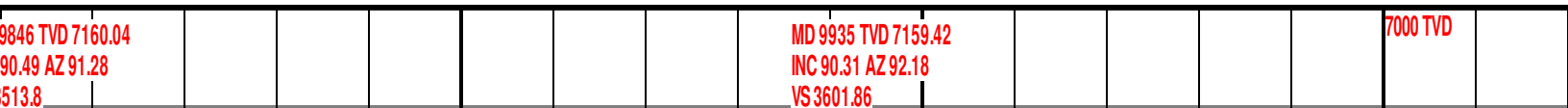
MW 9.7
VIS 45





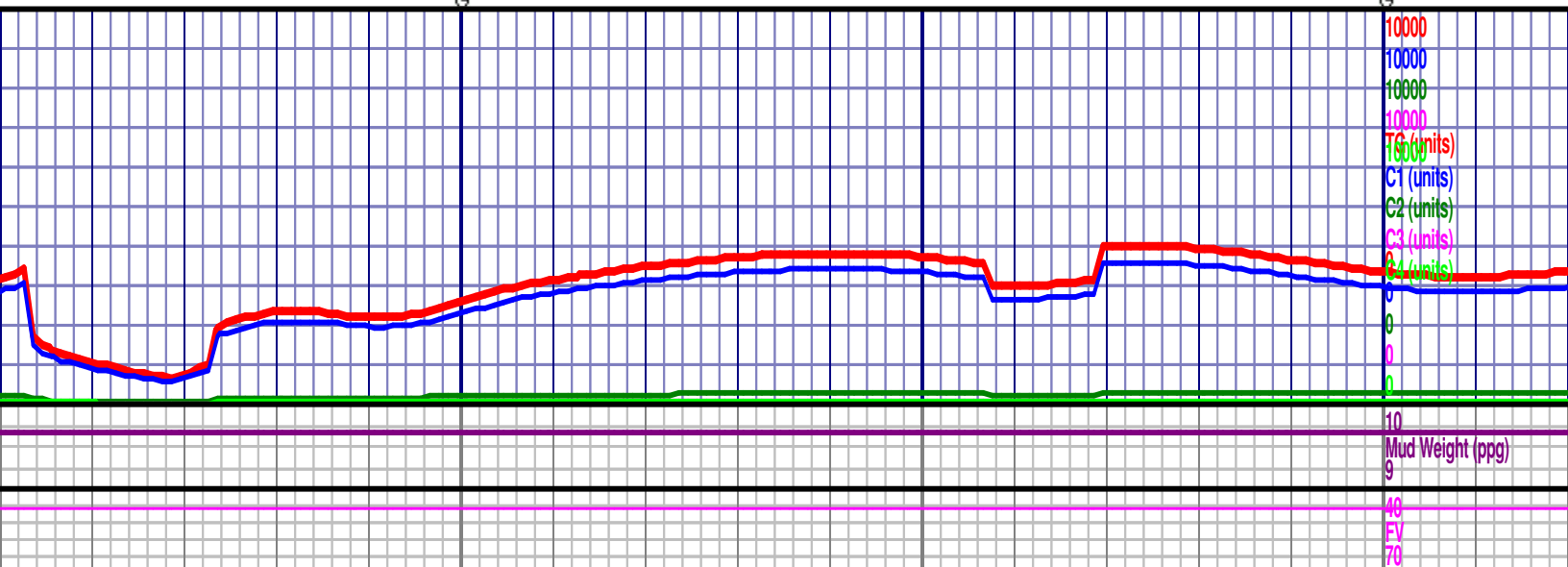


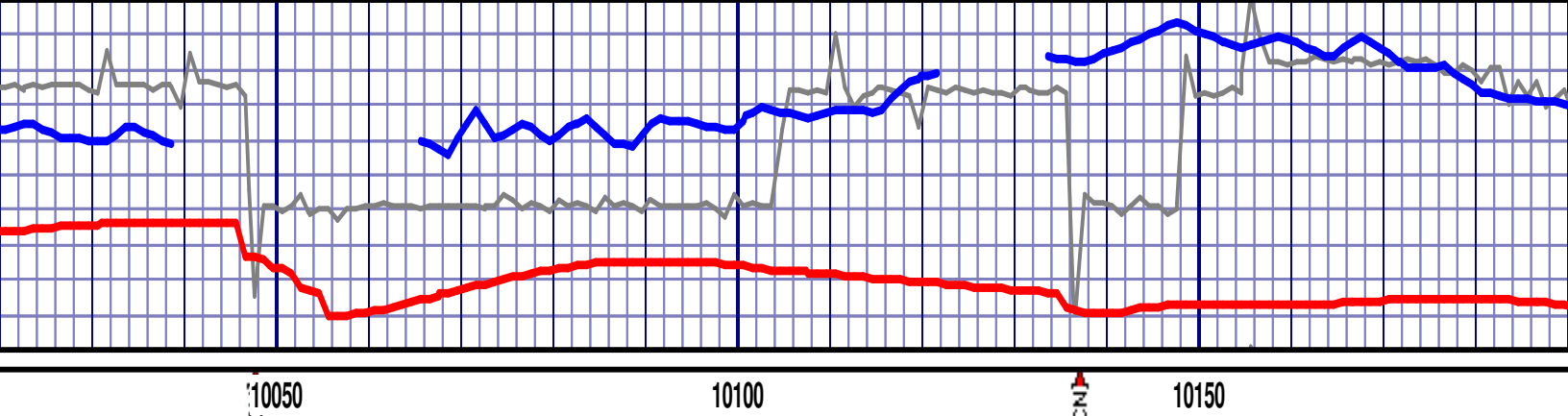




SS: (90%) med gy - dk gy, occ lt gysh brn, slty - l vf gr- l f gr, rr u f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to slst ip, est vis por 8-10% SH: (10%) gy-med dkgy, slty-rthy txt, sbply -sbbkly; faint sppty (20%) pale yel pri flor, slo blmg - stmg milky grnsh yel cut, spptd ylwsh grn resd ring.

SS: (90%) med gy-
mod frm, fri ip, cly
gy-med dkggy, slty-
grnsh yel cut, sptto



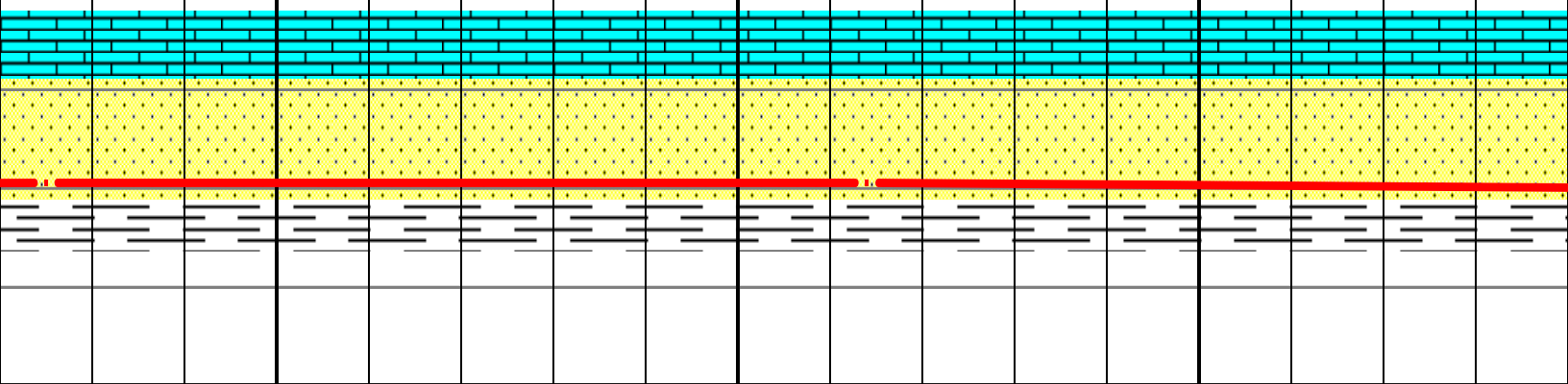


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INC 90.46 AZ 91.9
VS 3690.84

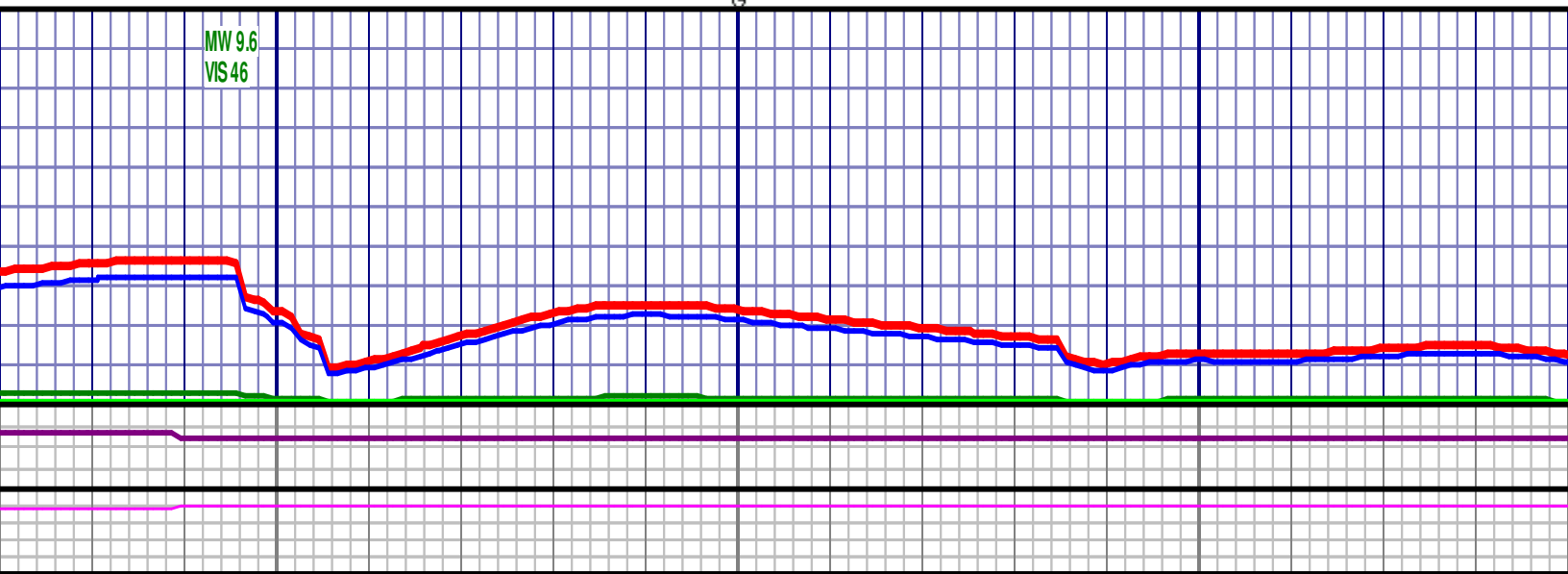
MD 10114 TVD 7159.04
INC 89.26 AZ 91.16
VS 3778.95

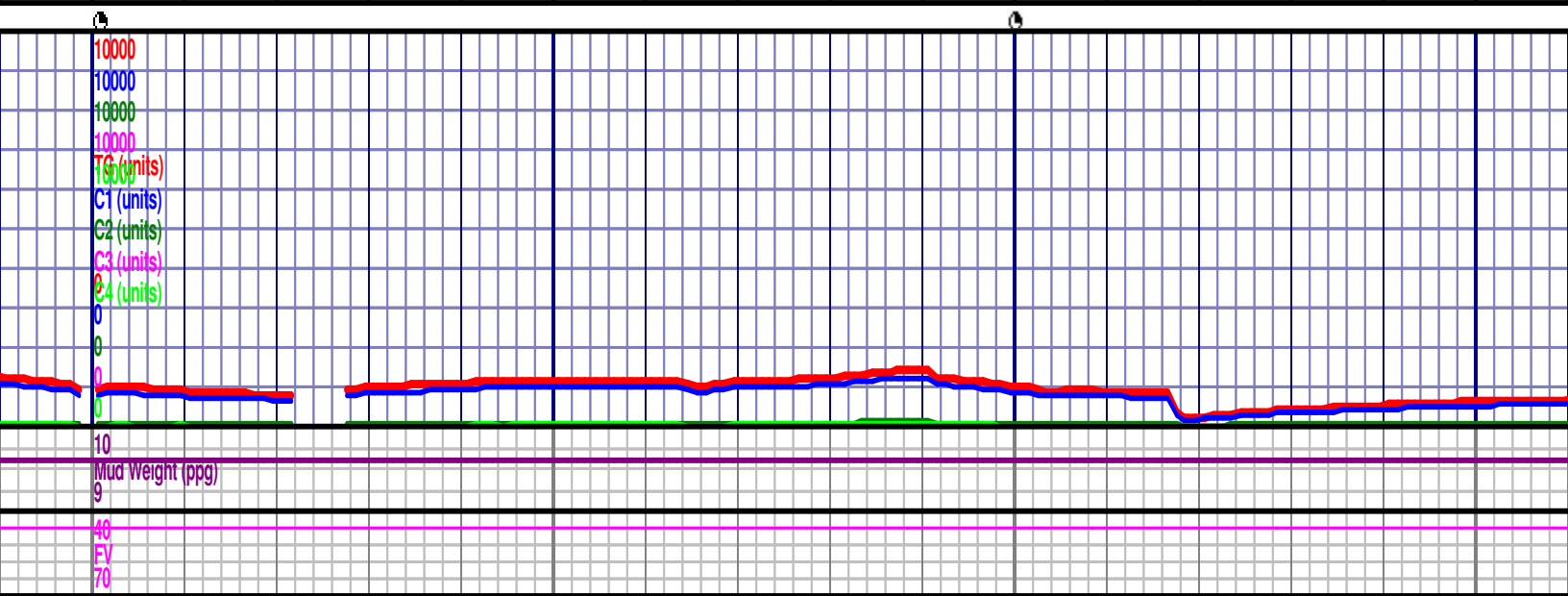
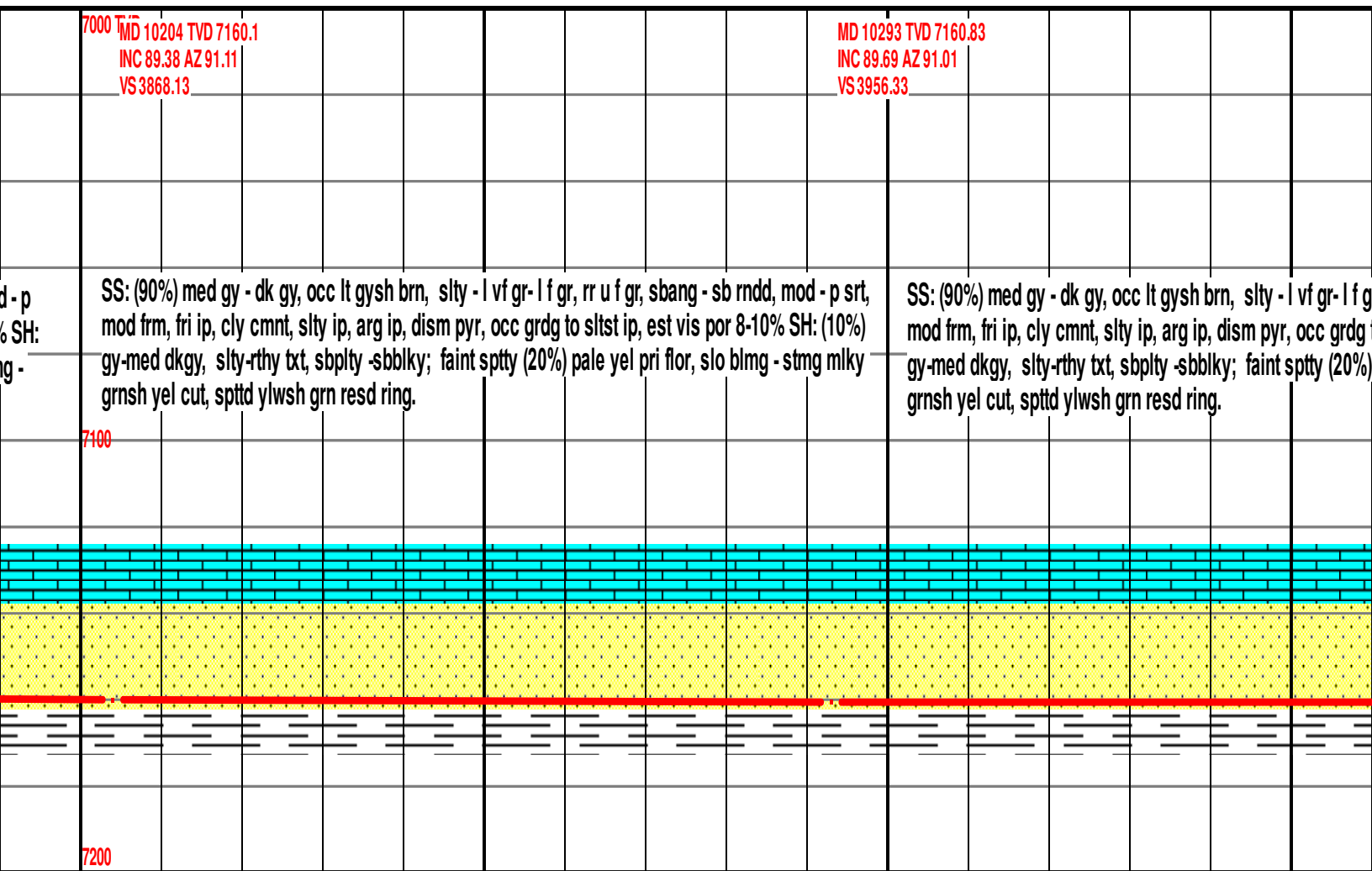
dk gy, occ lt gysh brn, slty - l vf gr- l f gr, rr u f gr, sbang - sb rndd, mod - p srt, cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH: (10%) rthy txt, sbply -sbbky; faint spty (20%) pale yel pri flor, slo blmg - stmg mlky d ylwsh grn resd ring.

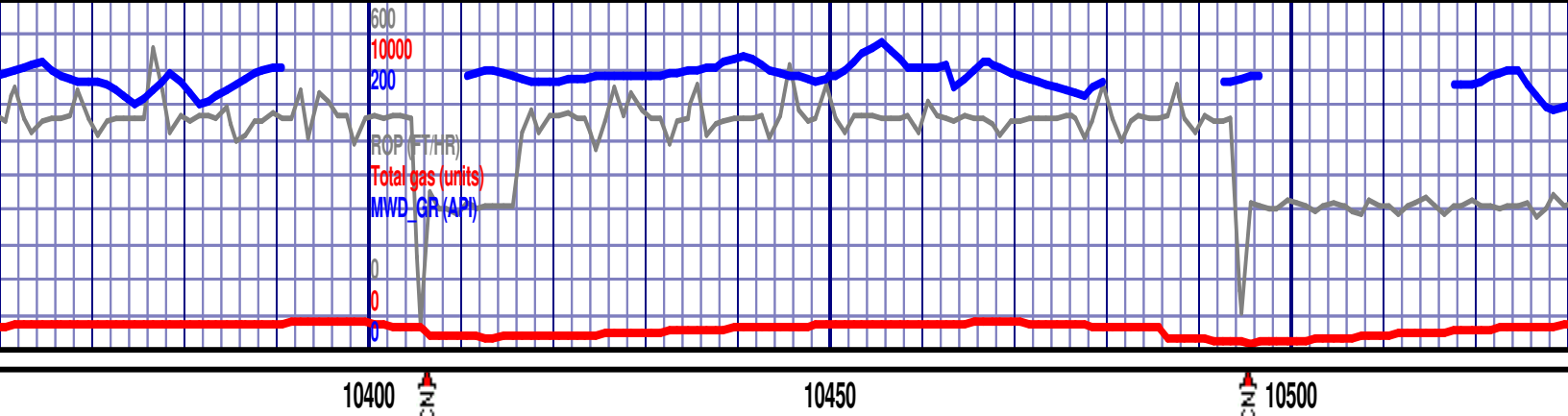
SS: (90%) med gy - dk gy, occ lt gysh brn, slty - l vf gr- l f gr, rr u f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% (10%) gy-med dkgy, slty-rthy txt, sbply -sbbky; faint spty (20%) pale yel pri flor, slo blmg stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.



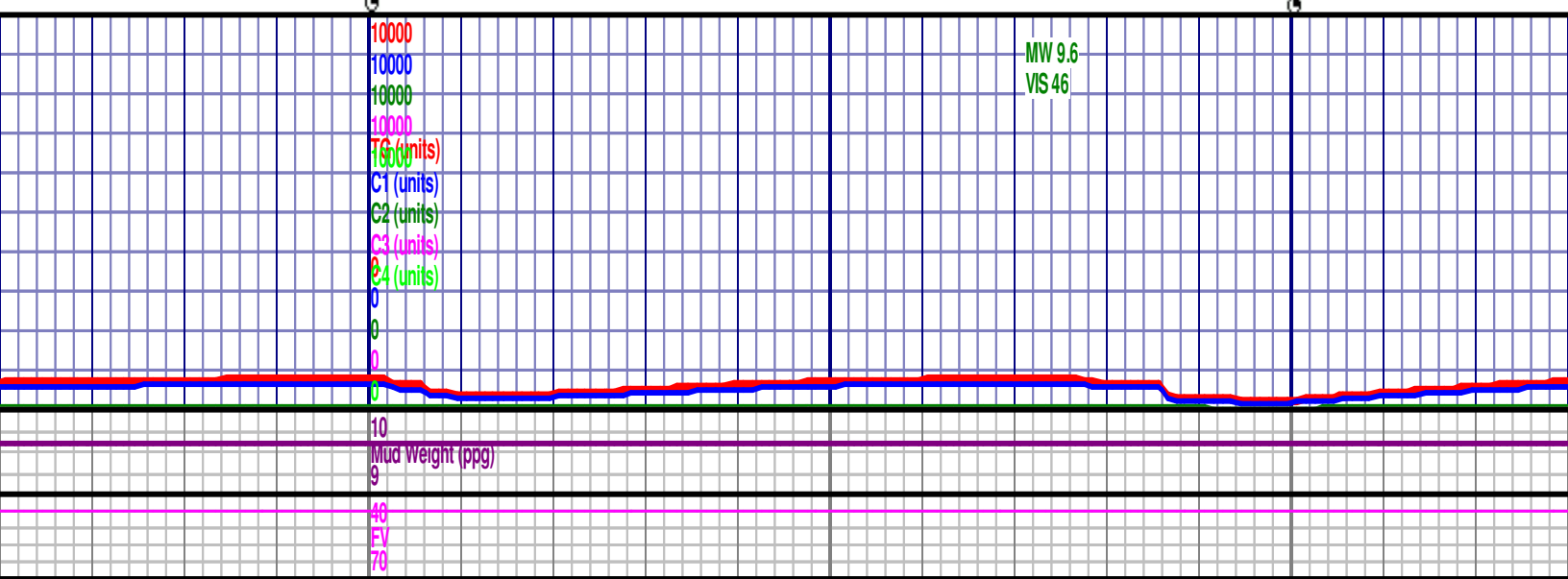
MW 9.6
VS 46

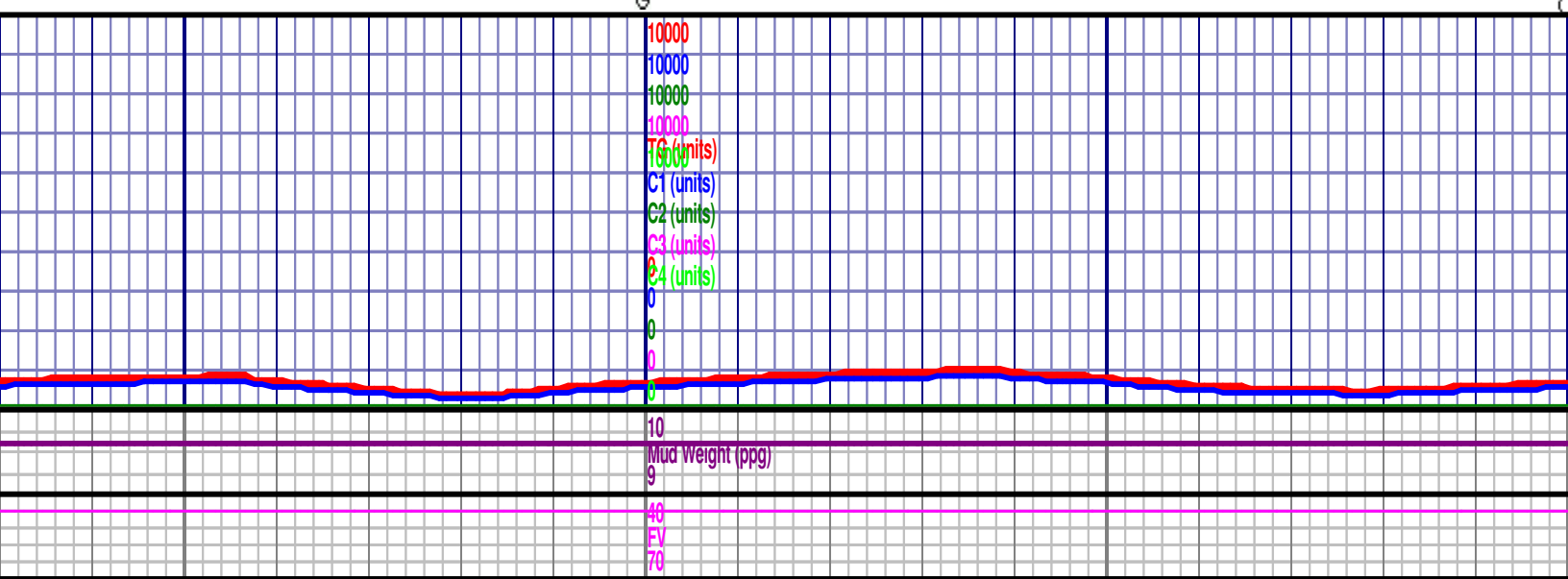
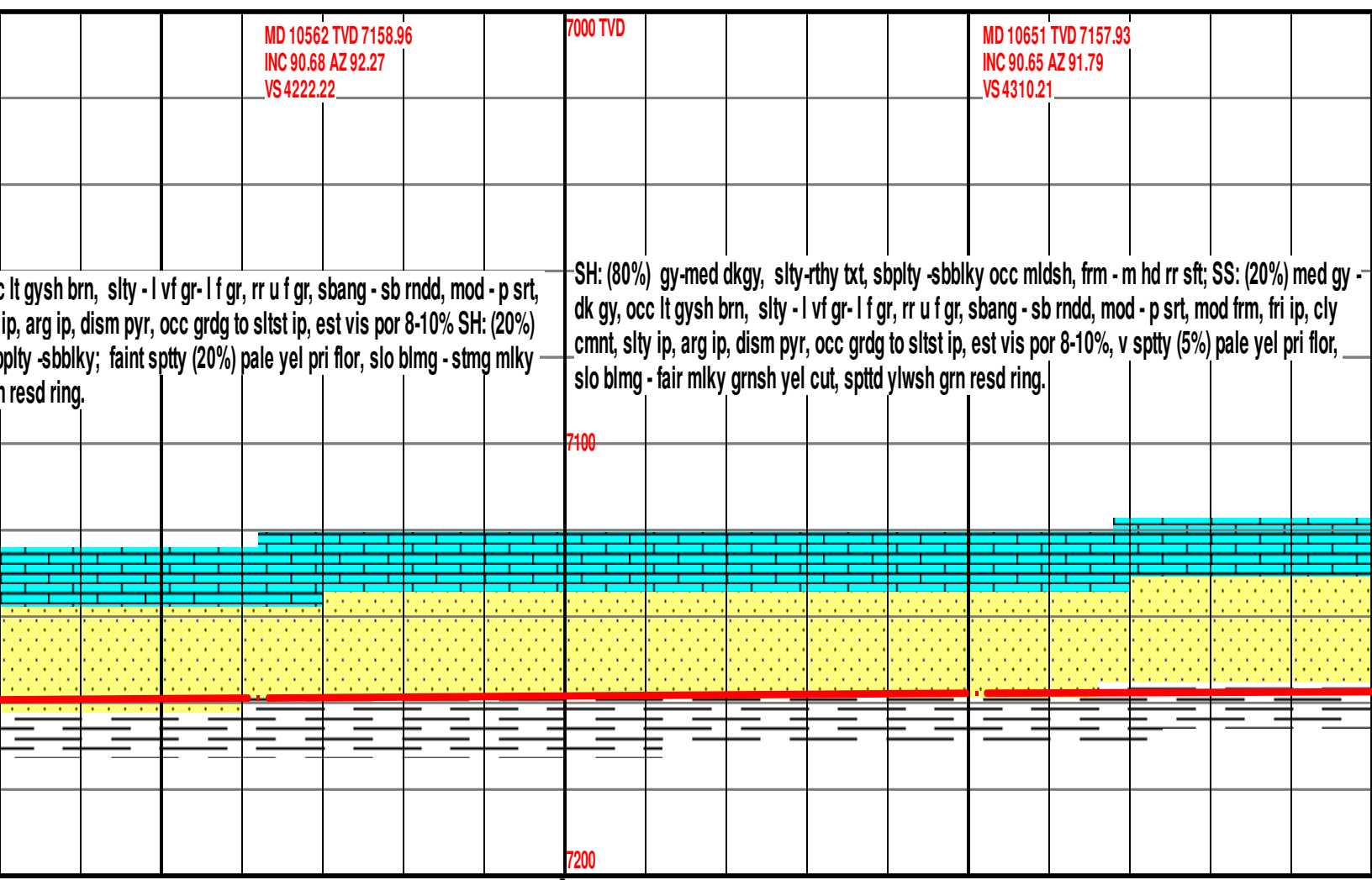
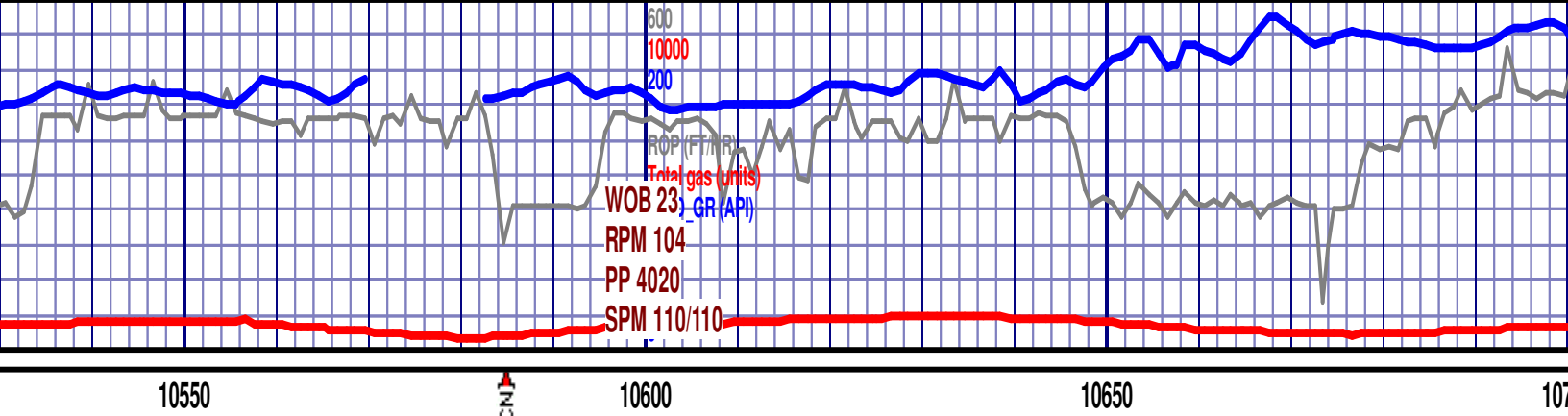


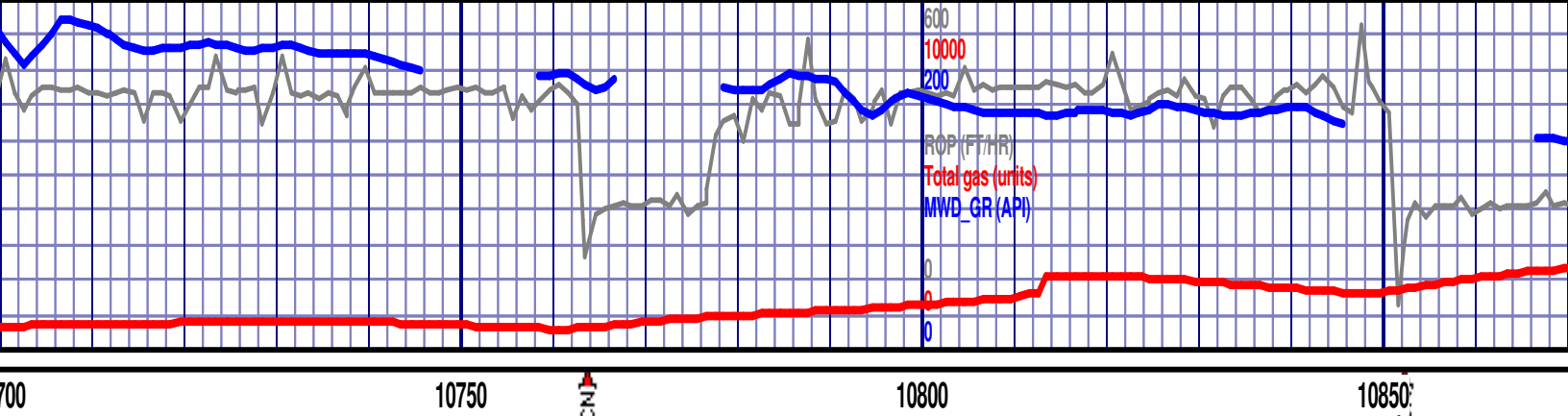




<p>MD 10383 TVD 7160.64 INC 90.55 AZ 91.43 VS 4045.5</p> <p>r, rr u f gr, sbang - sb rndd, mod - p srt, to sltst ip, est vis por 8-10% SH: (10%) pale yel pri flor, slo blmg - stmg mlky</p>	<p>MD 10472 TVD 7159.85 INC 90.46 AZ 93.25 VS 4133.42</p> <p>SS: (85%) med gy - dk gy, occ lt gysh brn, slty - l vf gr - l f gr, rr u f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10% SH: (15%) gy-med dkgy, slty-rthy txt, sbply -sbbkly; faint sppty (20%) pale yel pri flor, slo blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.</p>	<p>SS: (80%) med gy - dk gy, occ mod frm, fri ip, cly cmnt, slty gy-med dkgy, slty-rthy txt, sb grnsh yel cut, spttd ylwsh grn</p>
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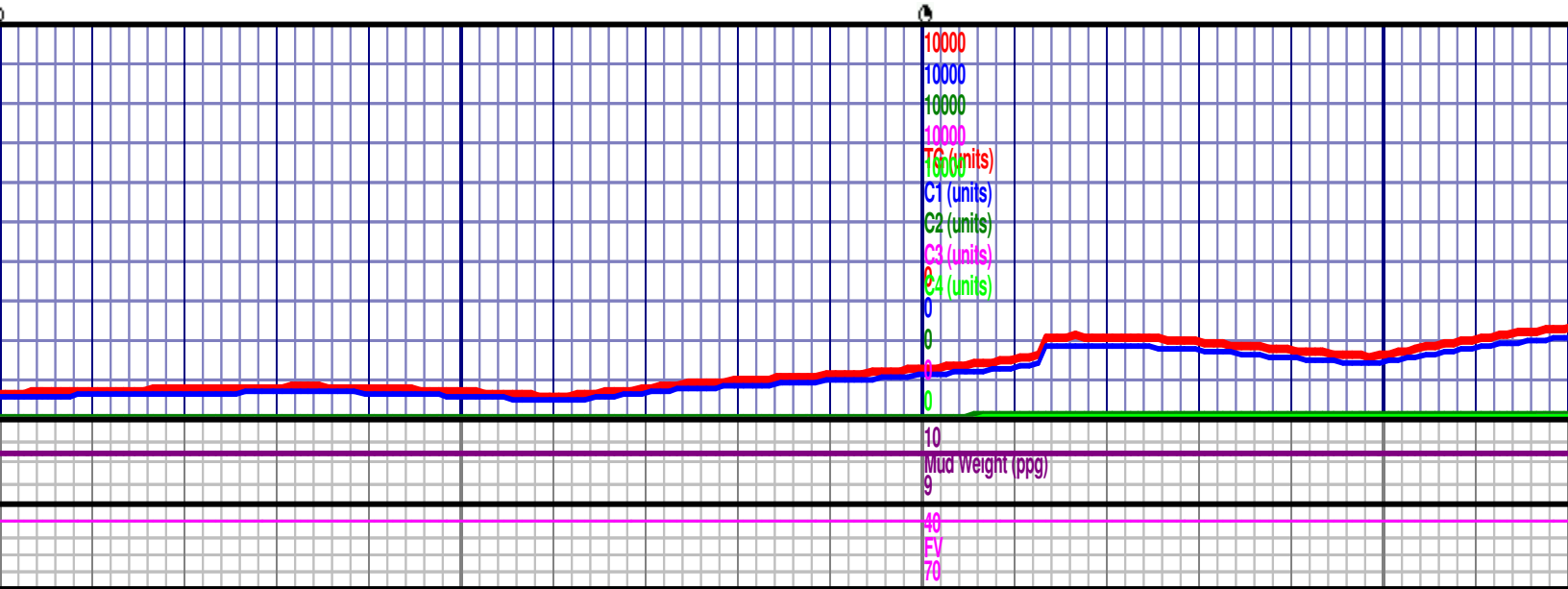
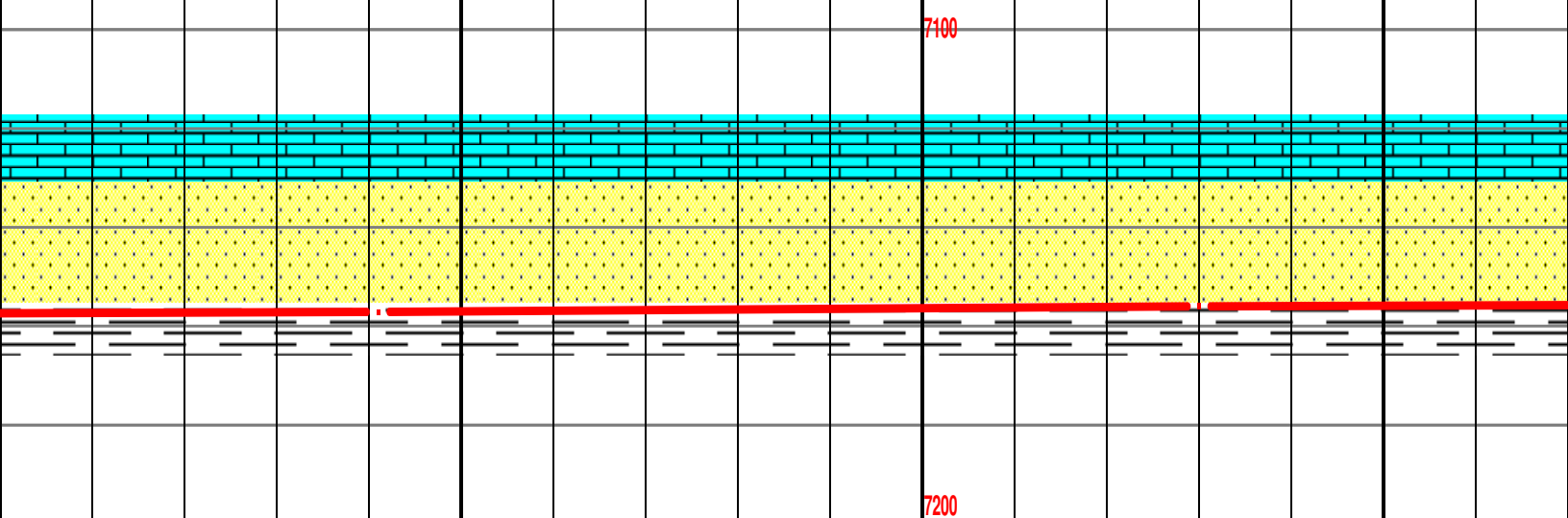
MD 10741 TVD 7156.9
INC 90.65 AZ 90.9
VS 4399.34

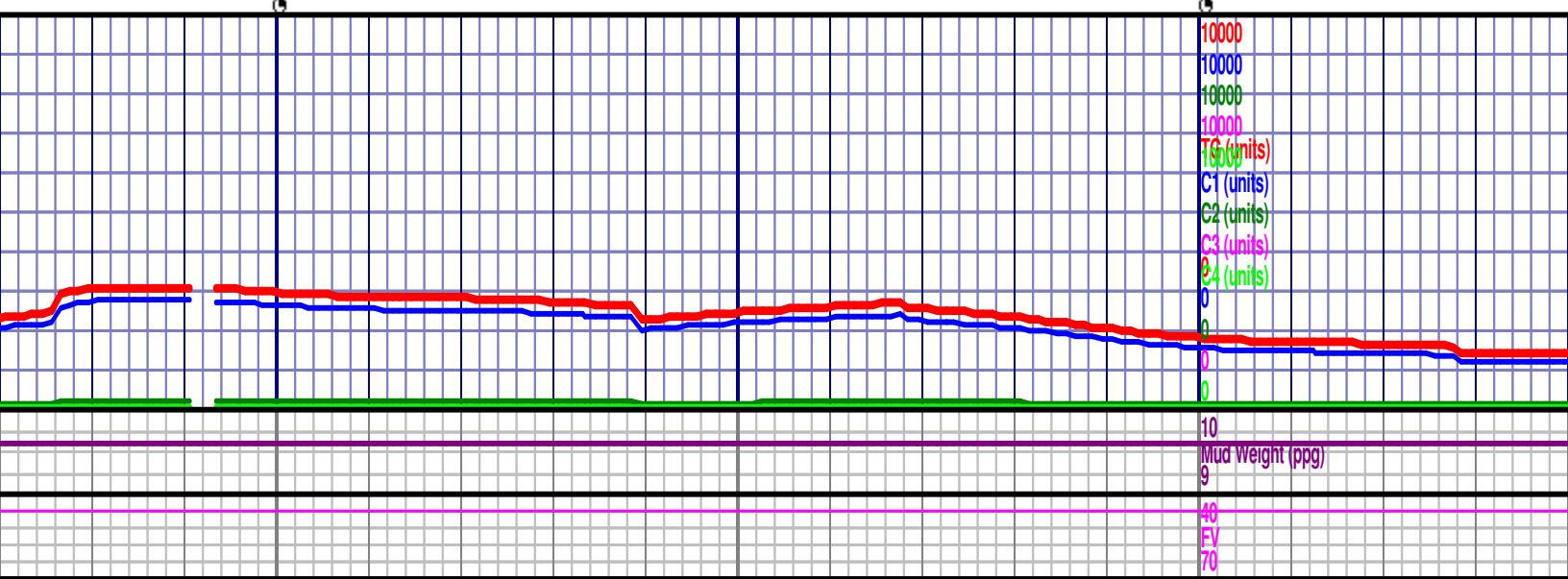
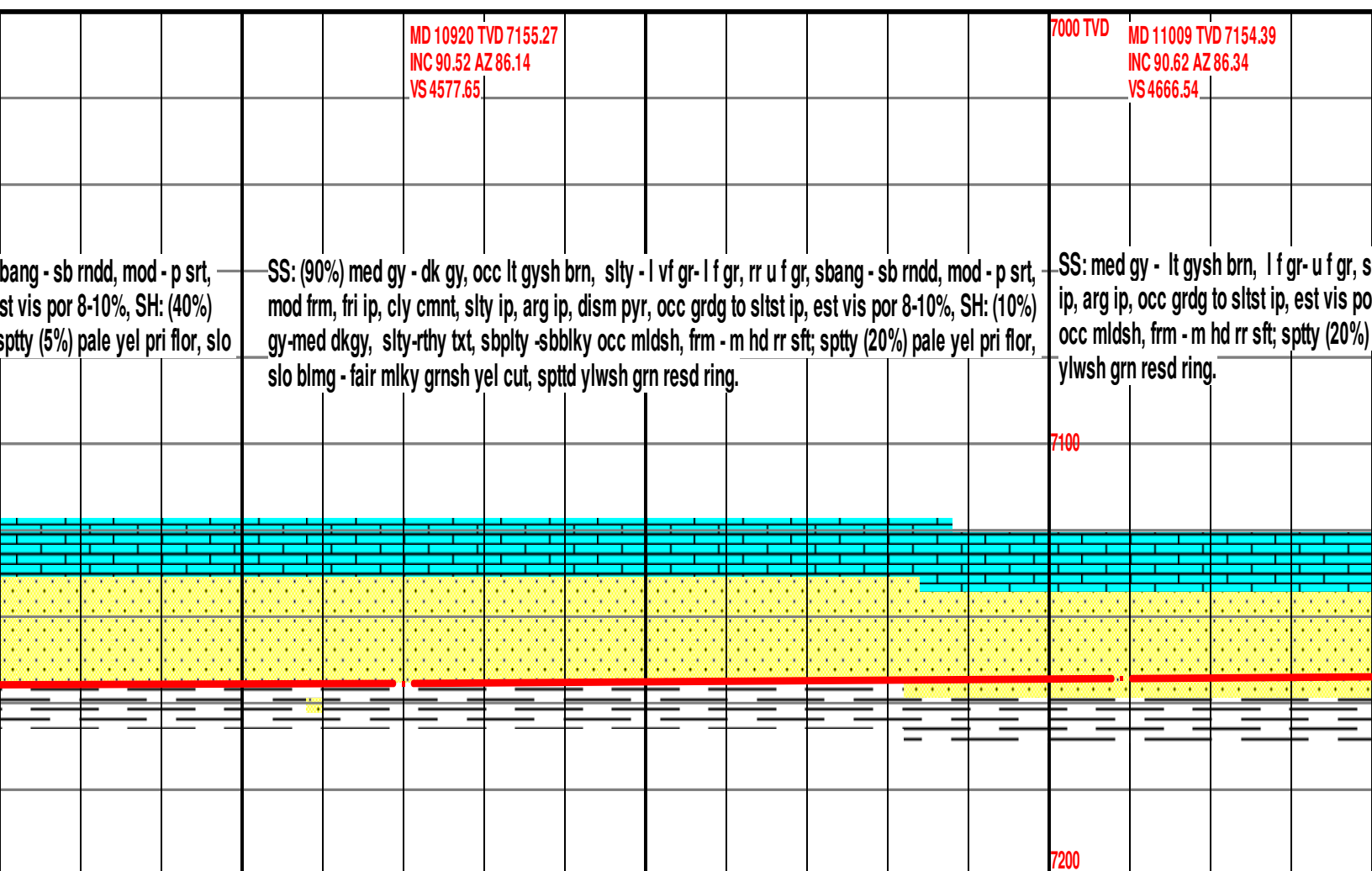
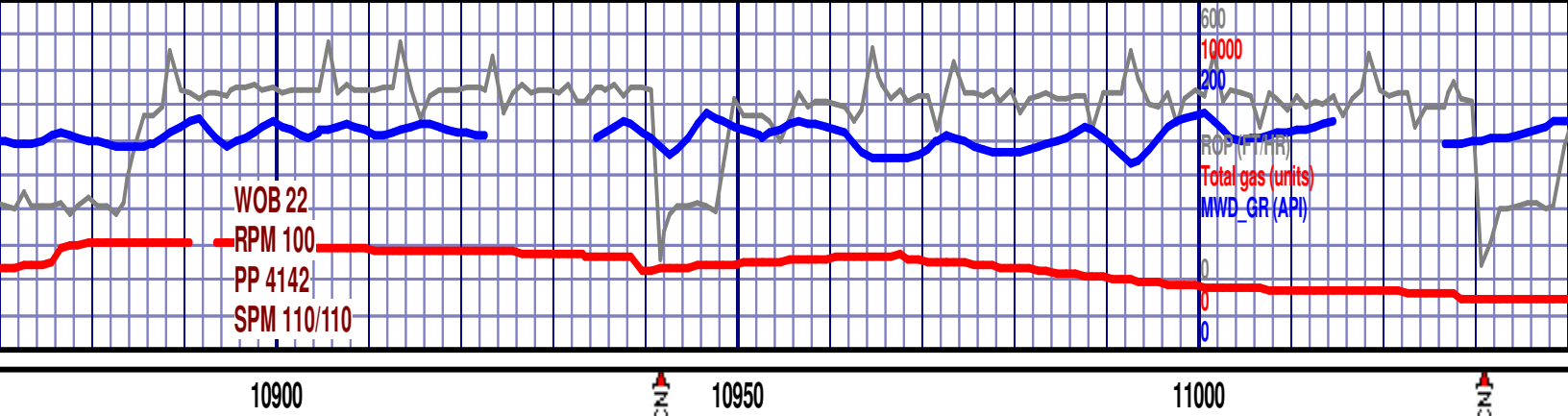
7000 TVD

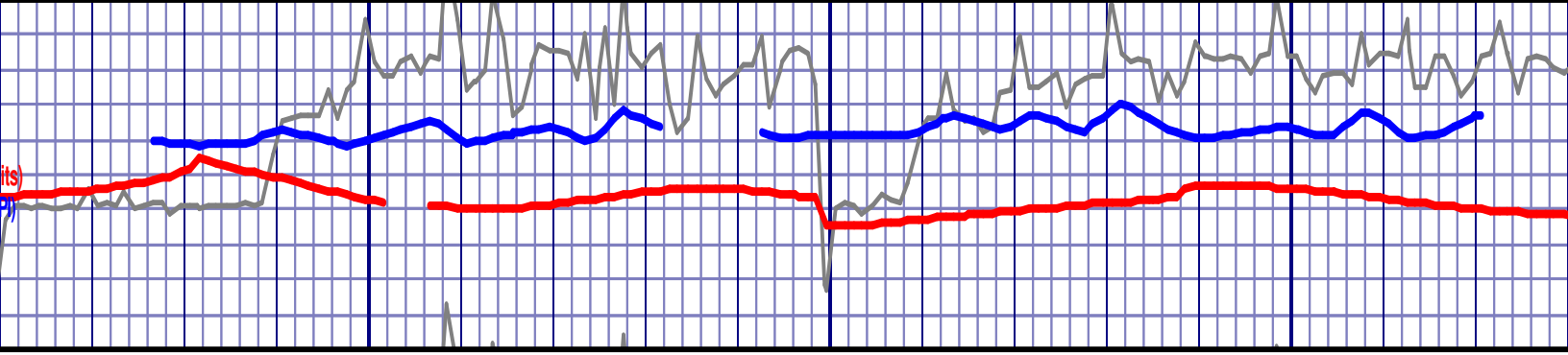
MD 10830 TVD 7156.04
INC 90.46 AZ 87.98
VS 4487.84

SH: (40%) gy-med dkgy, slty-rthy txt, sbply-sbblky occ mldsh, frm - m hd rr sft; SS: (60%) med gy - dk gy, occ lt gysh brn, slty - l vf gr- l f gr, rr u f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10%, v sppty (5%) pale yel pri flor, slo blmg - fair mlky grnsh yel cut, spttd ylwsh grn resd ring.

SS: (60%) med gy - dk gy, occ lt gysh brn, slty - l vf gr- l f gr, rr u f gr, sbang - sb rndd, mod - p srt, mod frm, fri ip, cly cmnt, slty ip, arg ip, dism pyr, occ grdg to sltst ip, est vis por 8-10%, v sppty (5%) pale yel pri flor, slo blmg - fair mlky grnsh yel cut, spttd ylwsh grn resd ring.







11250

11300

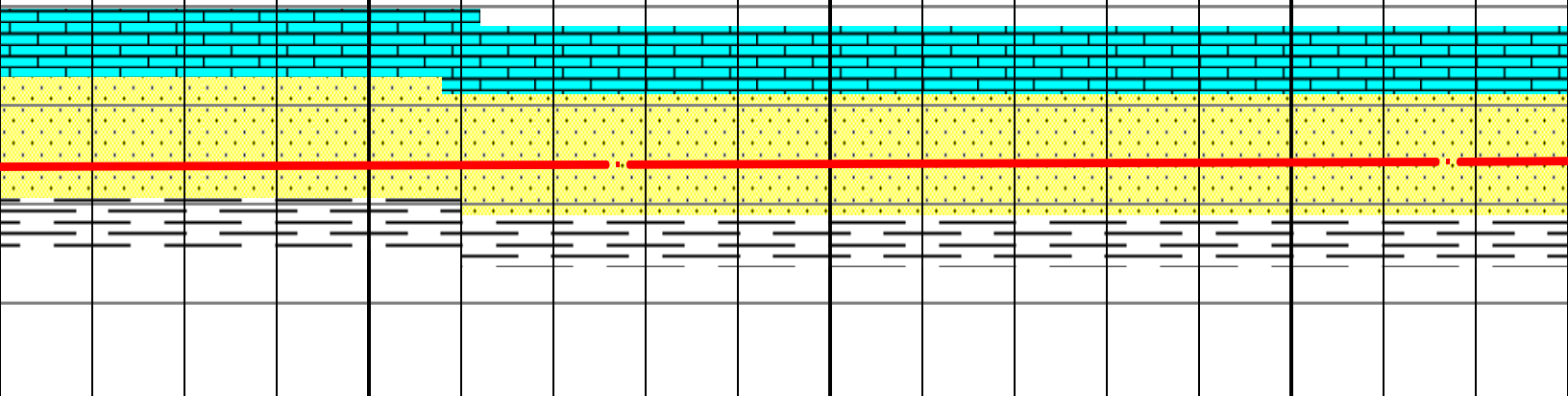
11350

MD 11277 TVD 7151.93
INC 90.37 AZ 85.94
VS 4934.36

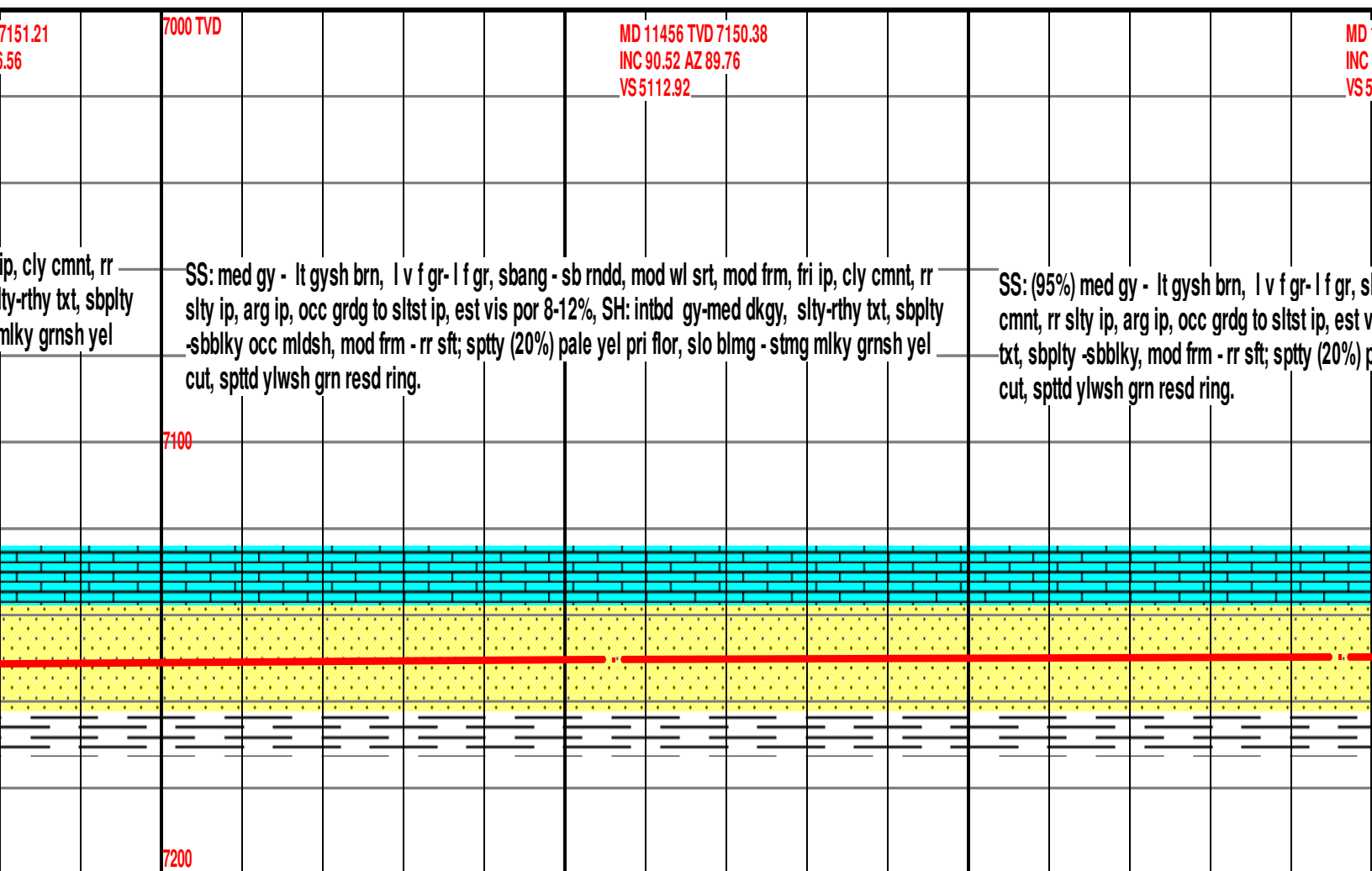
MD 11367 TVD
INC 90.55 AZ 86
VS 5024.24

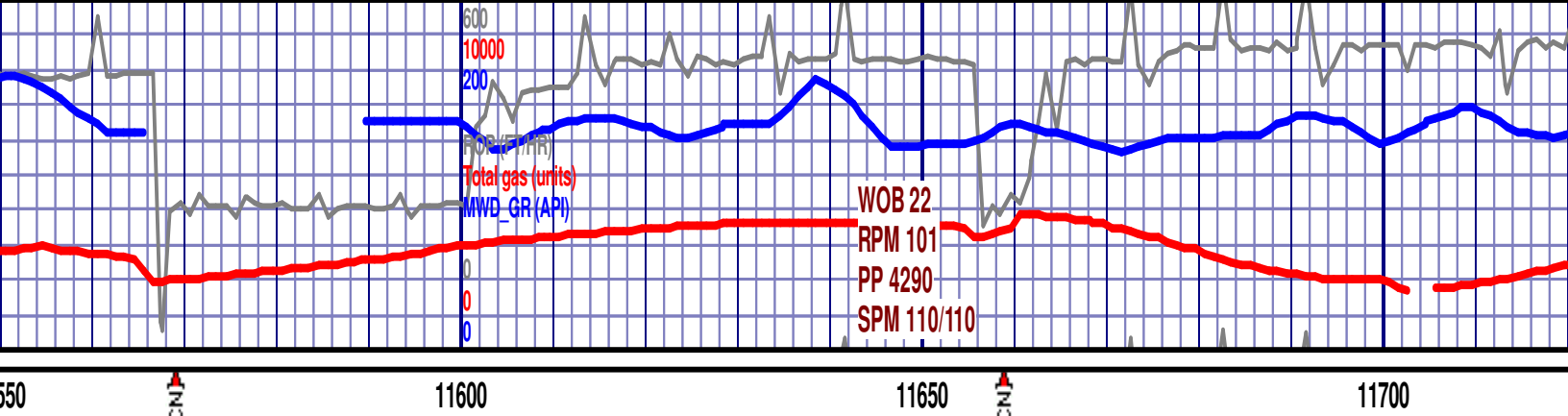
gy - lt gysh brn, l f gr- u f gr, sbang - sb rndd, mod wl srt, mod frm, fri ip, cly cmnt, rr
arg ip, occ grd to sltst ip, est vis por 8-12%, SH: intbd gy-med dkgy, slty-rthy txt,
sbbly occ mldsh, frm - m hd rr sft; sptty (20%) pale yel pri flor, slo blmg - fair mlky
el cut, spttd ylwsh grn resd ring.

SS: med gy - lt gysh brn, l f gr- u f gr, sbang - sb rndd, mod wl srt, mod frm, fri
slty ip, arg ip, occ grd to sltst ip, est vis por 8-12%, SH: intbd gy-med dkgy, s
-sbbly occ mldsh, frm - m hd rr sft; sptty (20%) pale yel pri flor, slo blmg - fair r
cut, spttd ylwsh grn resd ring.



DATE: 5/10/17
DEPTH: 10317'
WT: 9.6
Vis: 46
PV: 20
YP: 5
Gel: 4/6/9
FIL (HTHP): 9.8
SOL: 11%
Cl: 38,000
NAP/H2O Ratio 81/19
ES 564





11546 TVD 7149.58
90.49 AZ 90.3
202.32

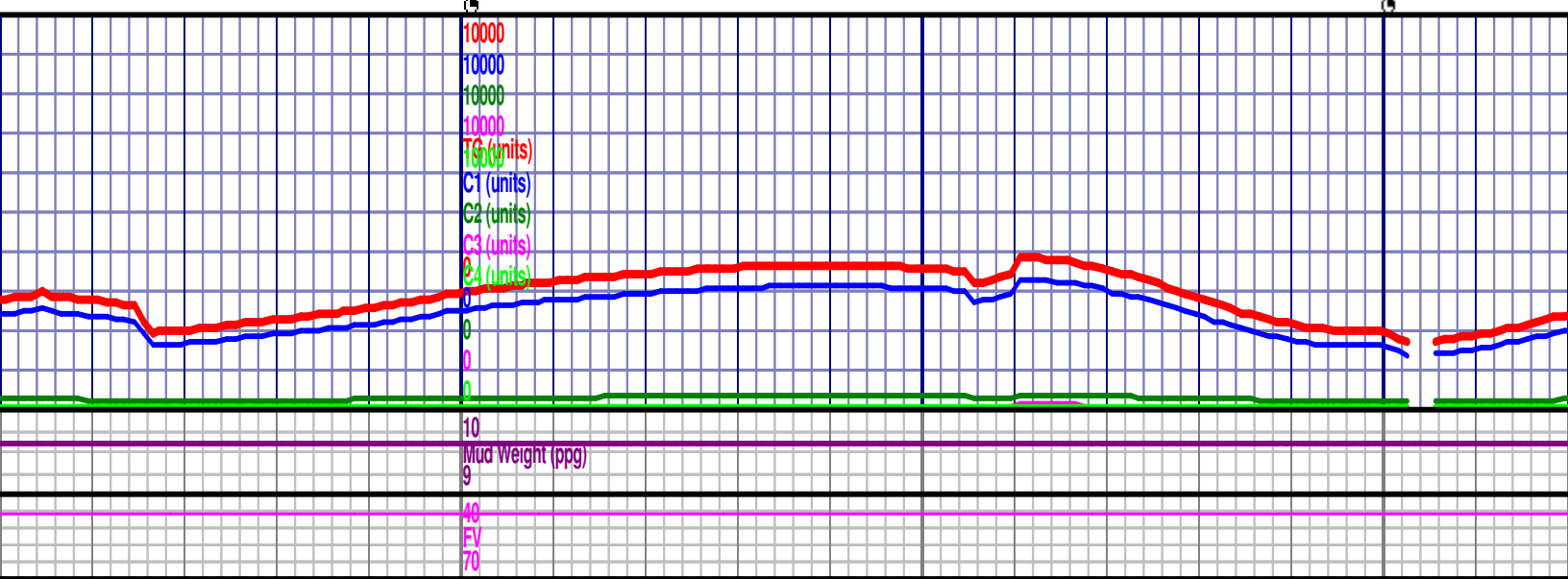
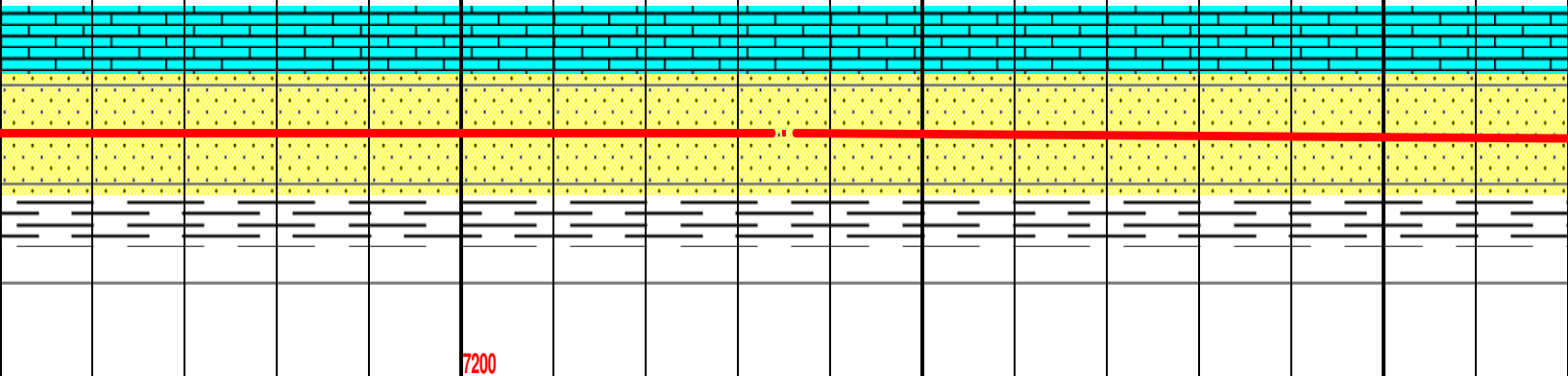
7000 TVD

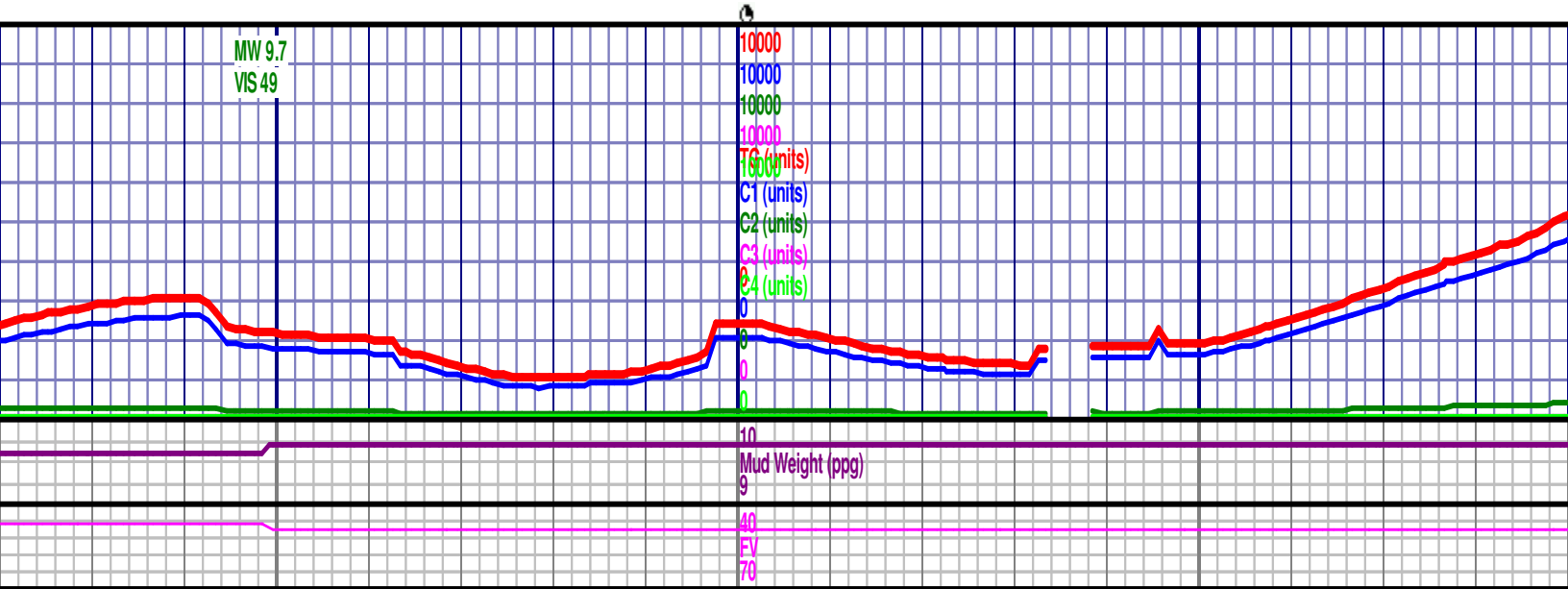
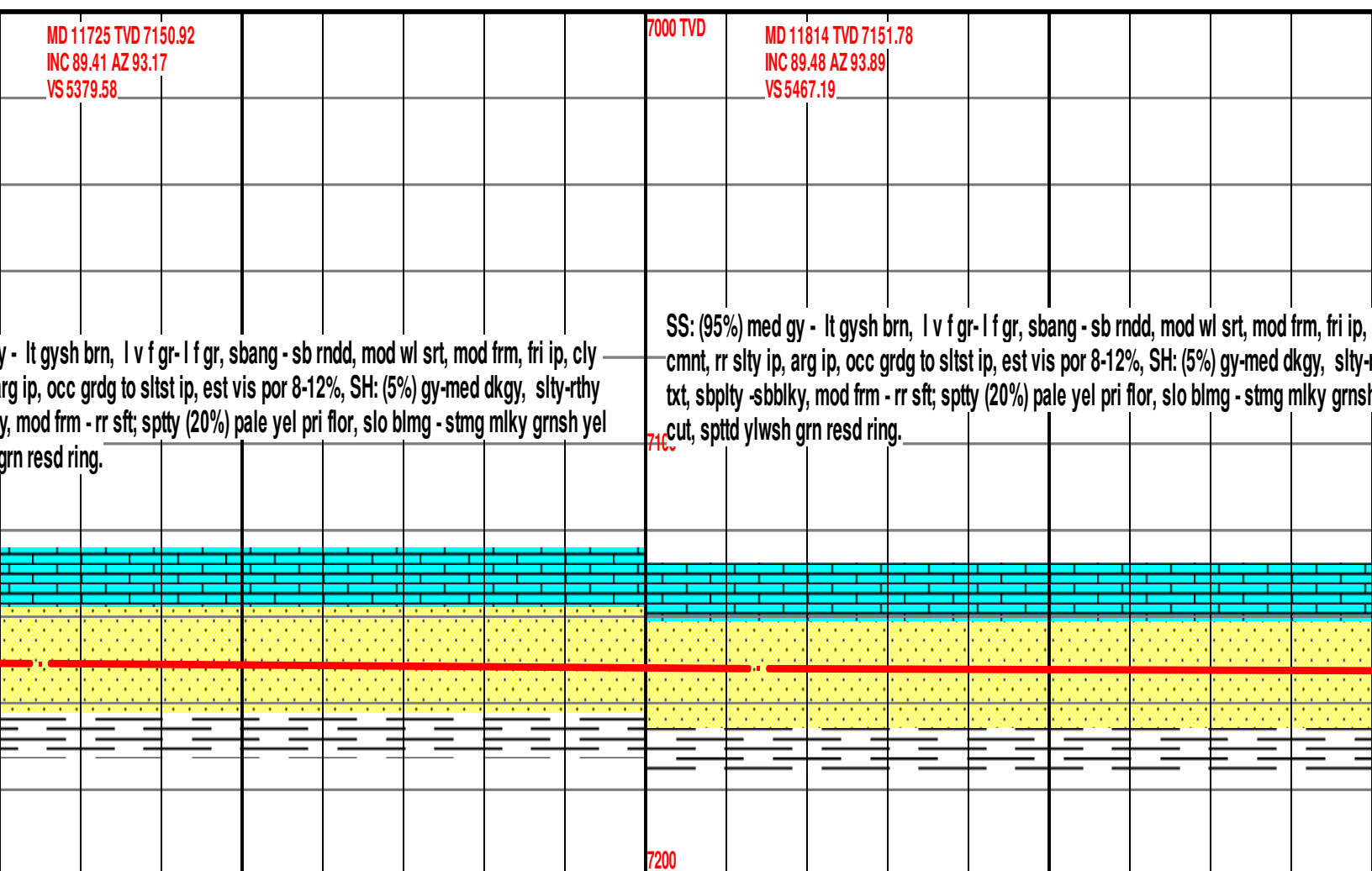
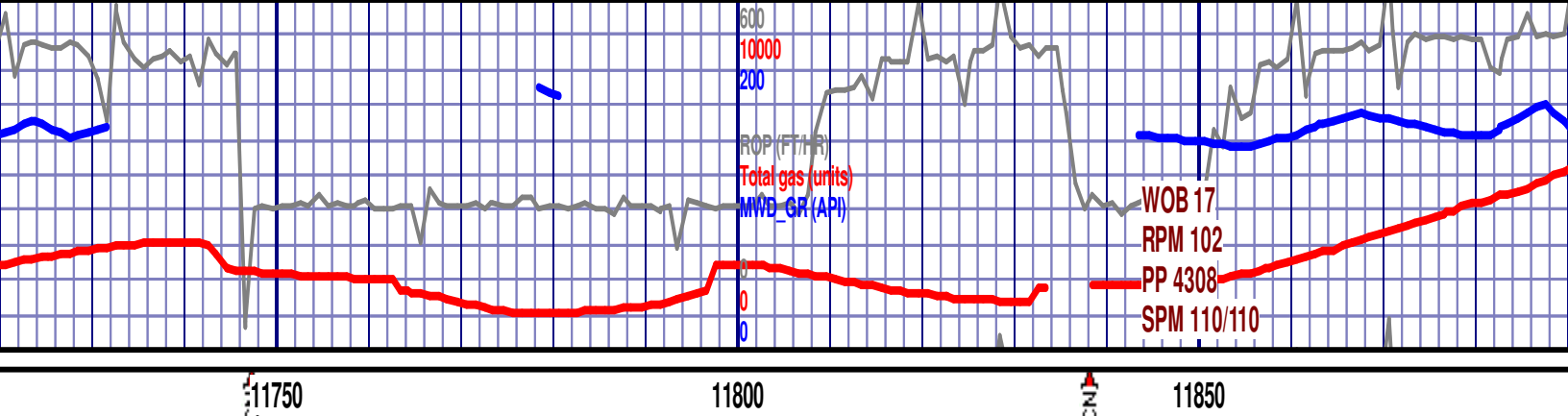
MD 11635 TVD 7149.82
INC 89.2 AZ 90.97
VS 5290.61

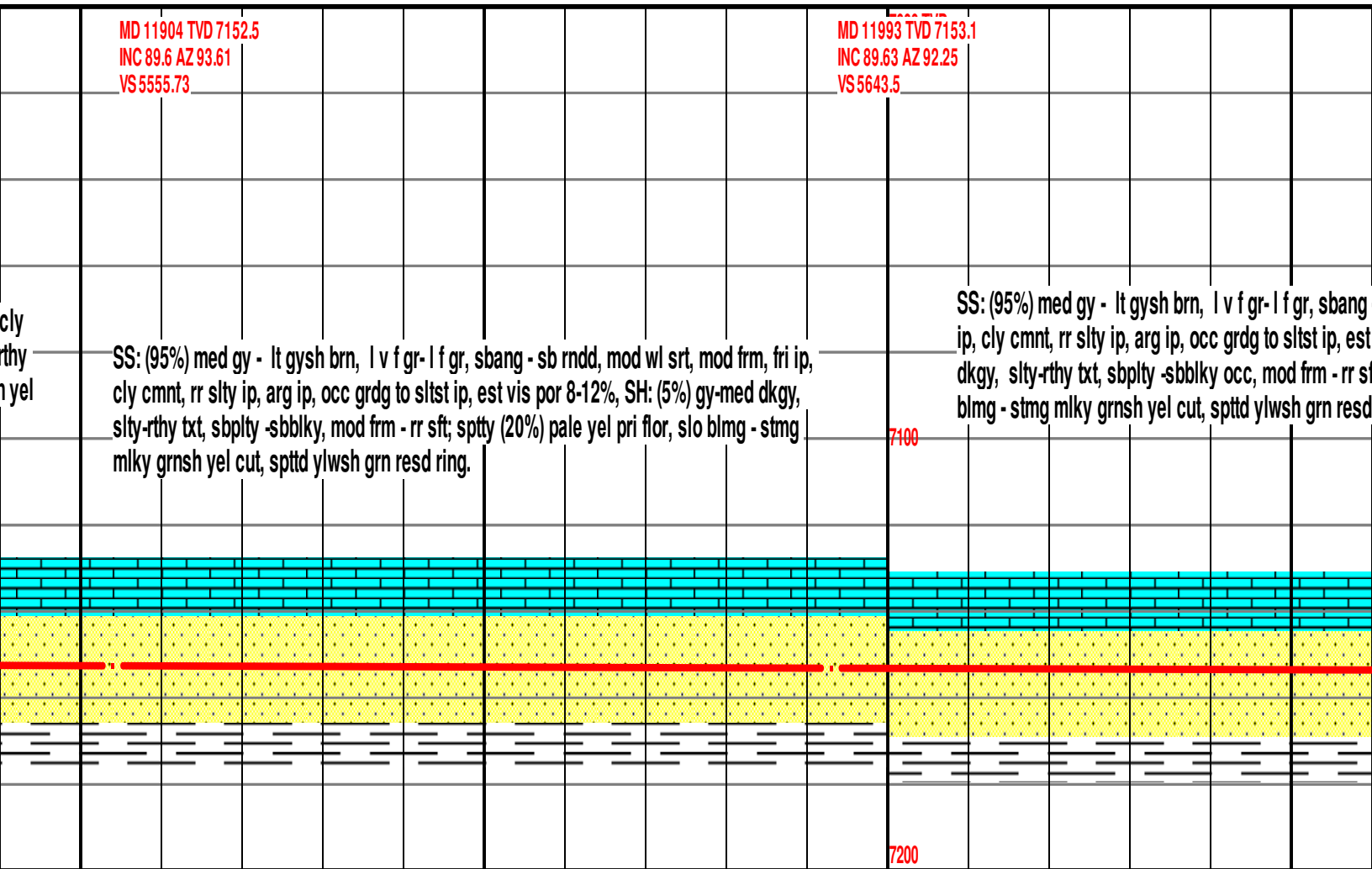
sbang - sb rndd, mod wl srt, mod frm, fri ip, cly
is por 8-12%, SH: (5%) gy-med dkgy, slty-rthy
pale yel pri flor, slo blmg - stmg mlky grnsh yel

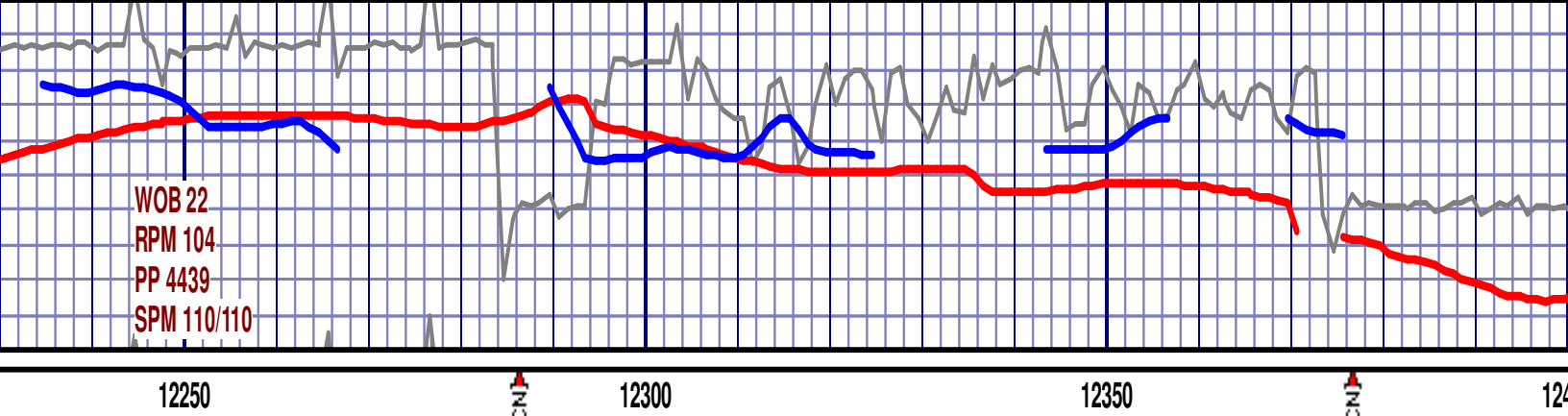
SS: (95%) med gy - lt gysh brn, l v f gr- l f gr, sbang - sb rndd, mod wl srt, mod frm, fri ip, cly
cmnt, rr slty ip, arg ip, occ grd to sltst ip, est vis por 8-12%, SH: (5%) gy-med dkgy, slty-rthy
txt, sbplty -sbbiky, mod frm - rr sft; sptty (20%) pale yel pri flor, slo blmg - stmg mlky grnsh yel
cut, spttd ylwsh grn resd ring.

SS: (95%) med gy
cmnt, rr slty ip, a
txt, sbplty -sbbiky
cut, spttd ylwsh







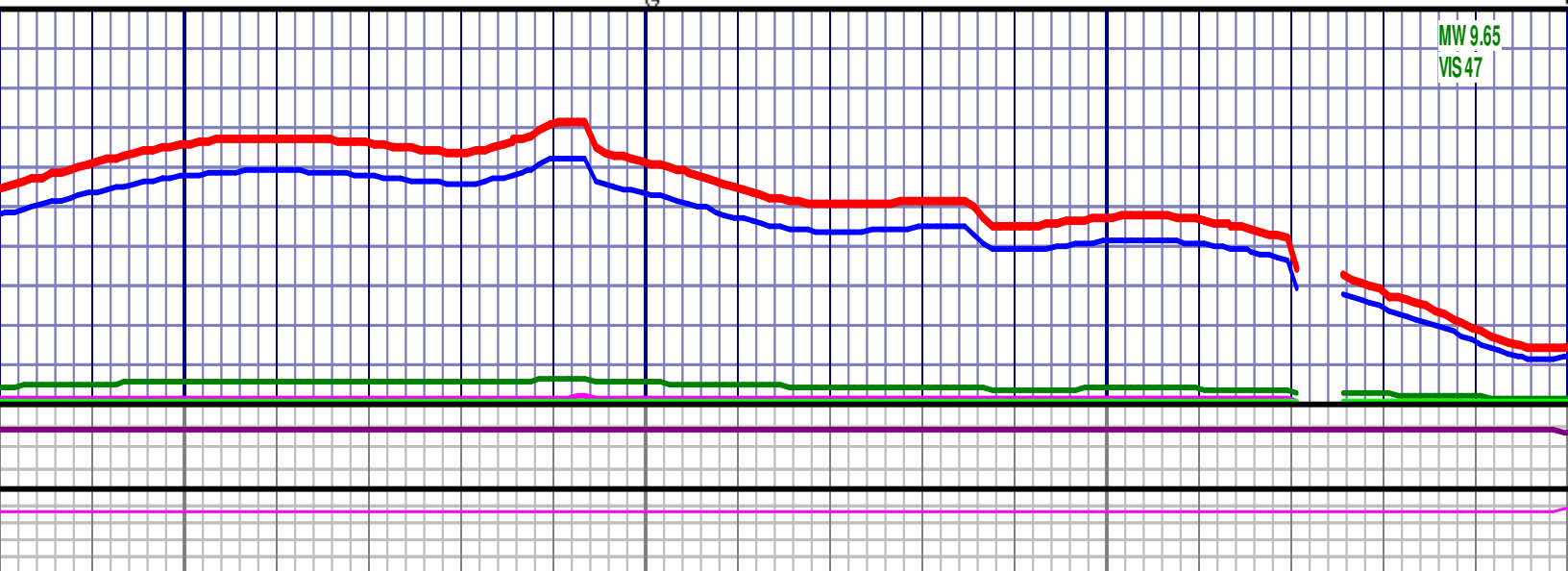
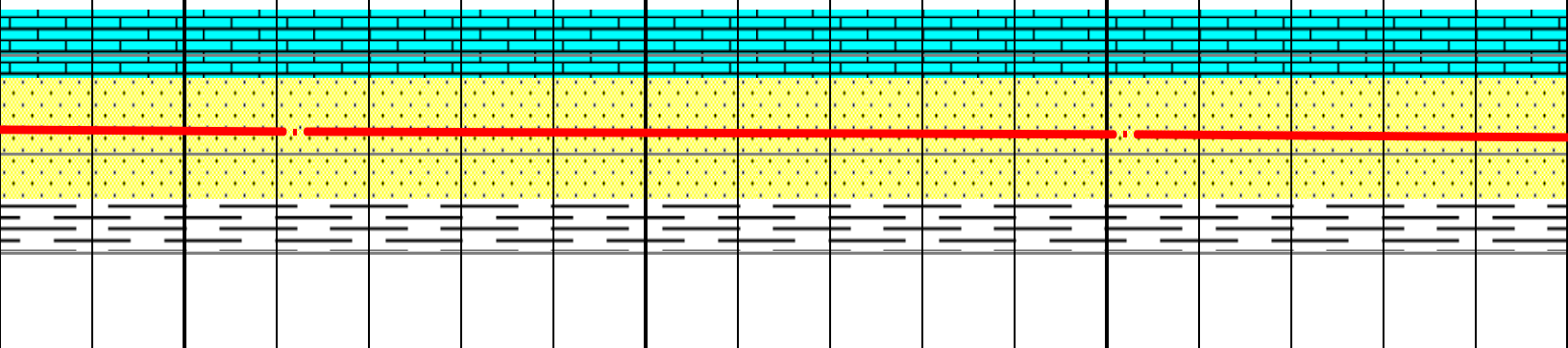


MD 12262 TVD 7155.25
INC 89.54 AZ 89.54
VS 5910.4

MD 12352 TVD 7156.1
INC 89.38 AZ 91.17
VS 5999.73

h brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm - w cmt, fri
arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (10%) gy-med dkgy,
y occ, mod frm - rr sft; sptty (20%) pale yel pri flor, slo blmg - stmg
ylwsh grn resd ring.

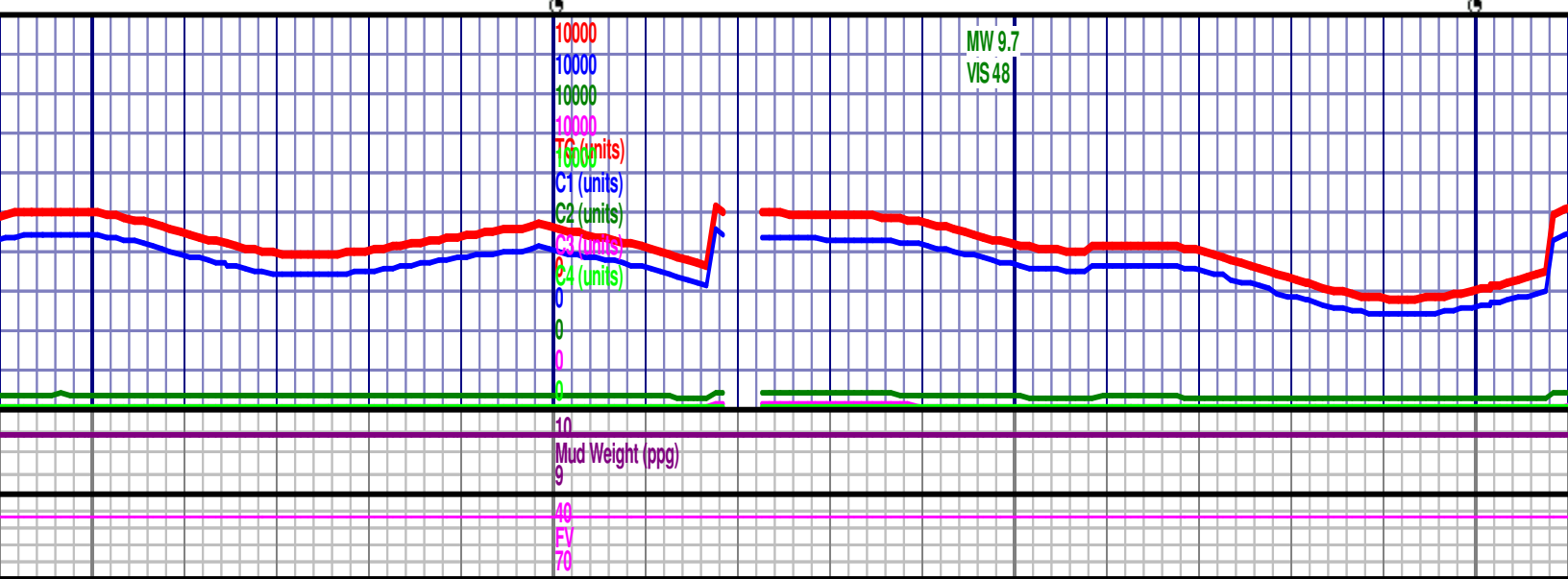
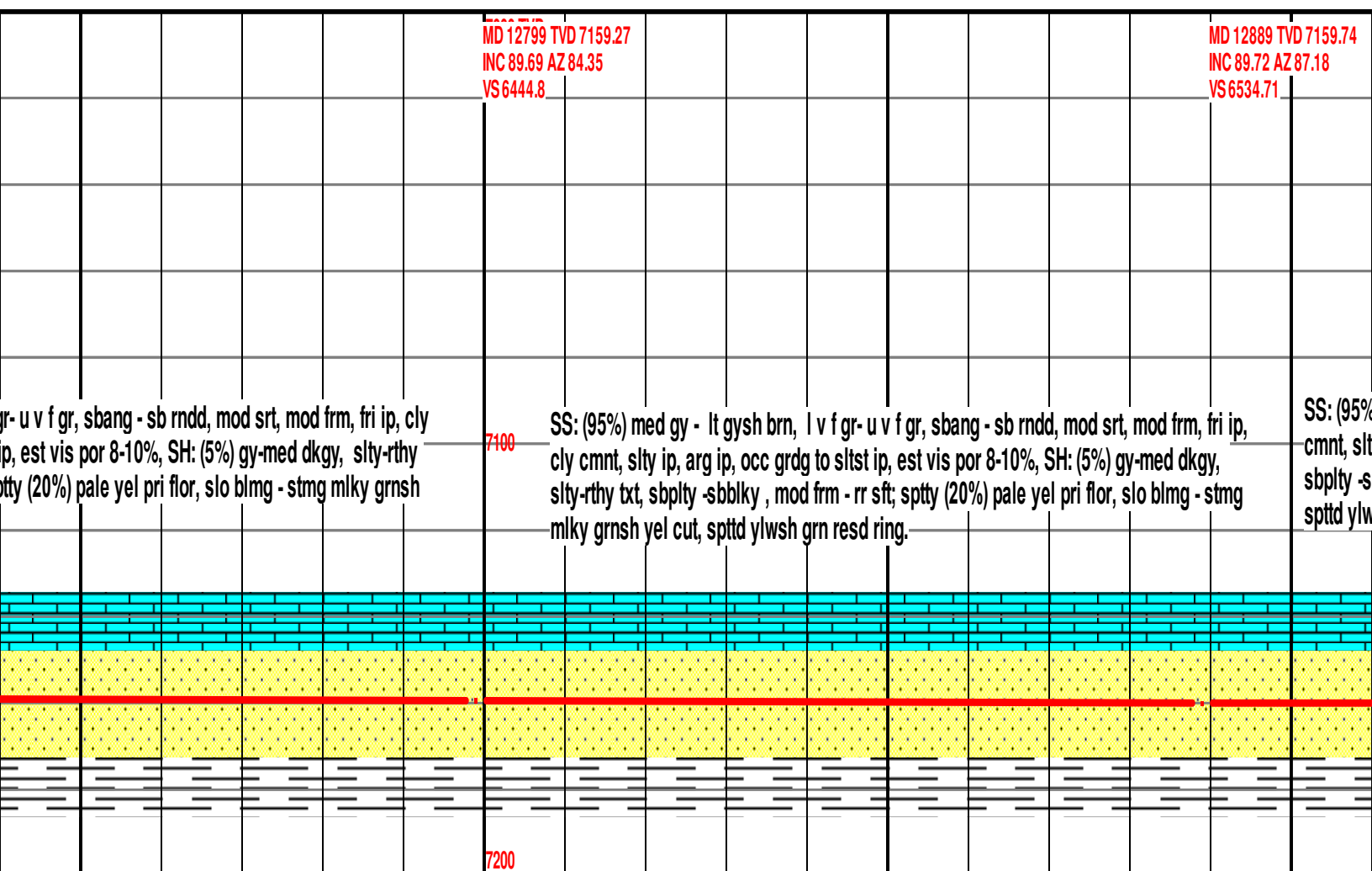
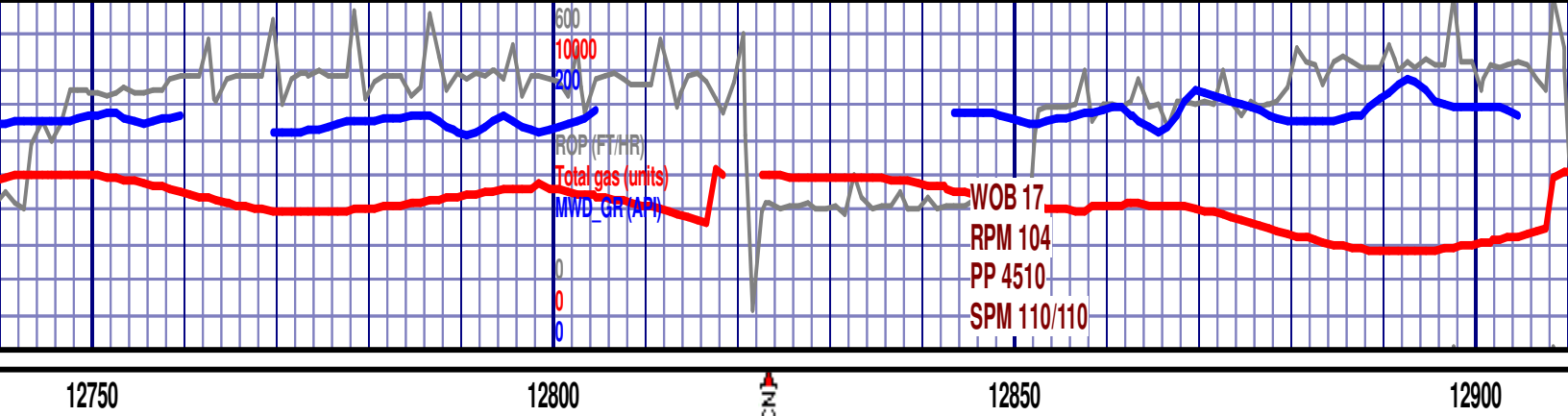
SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm - w cmt,
fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med
dkgy, slty-rthy txt, sbply -sbbly occ, mod frm - rr sft; sptty (20%) pale yel pri flor, slo blmg -
stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.

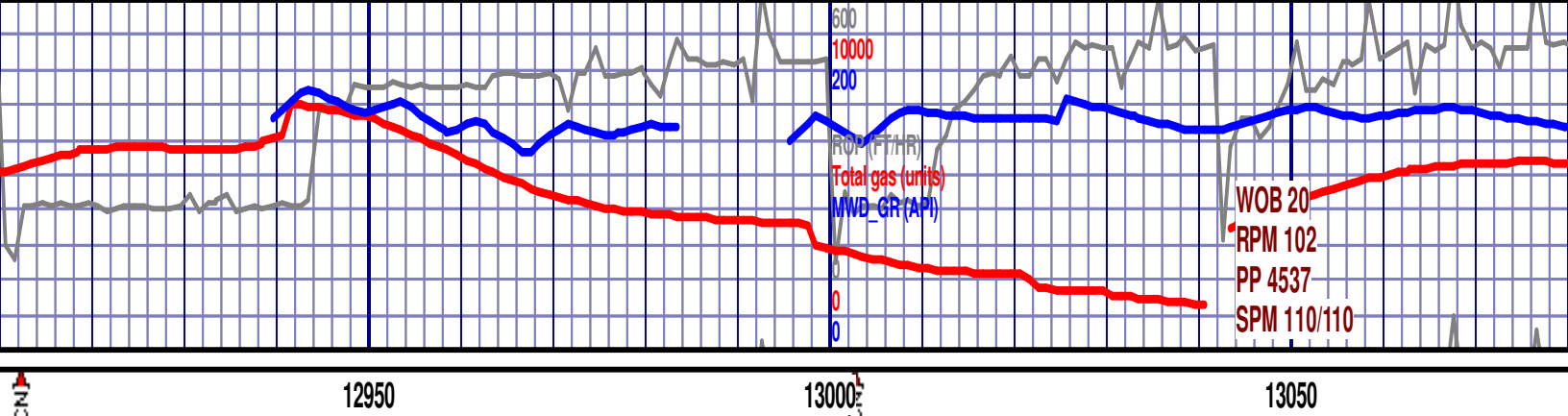




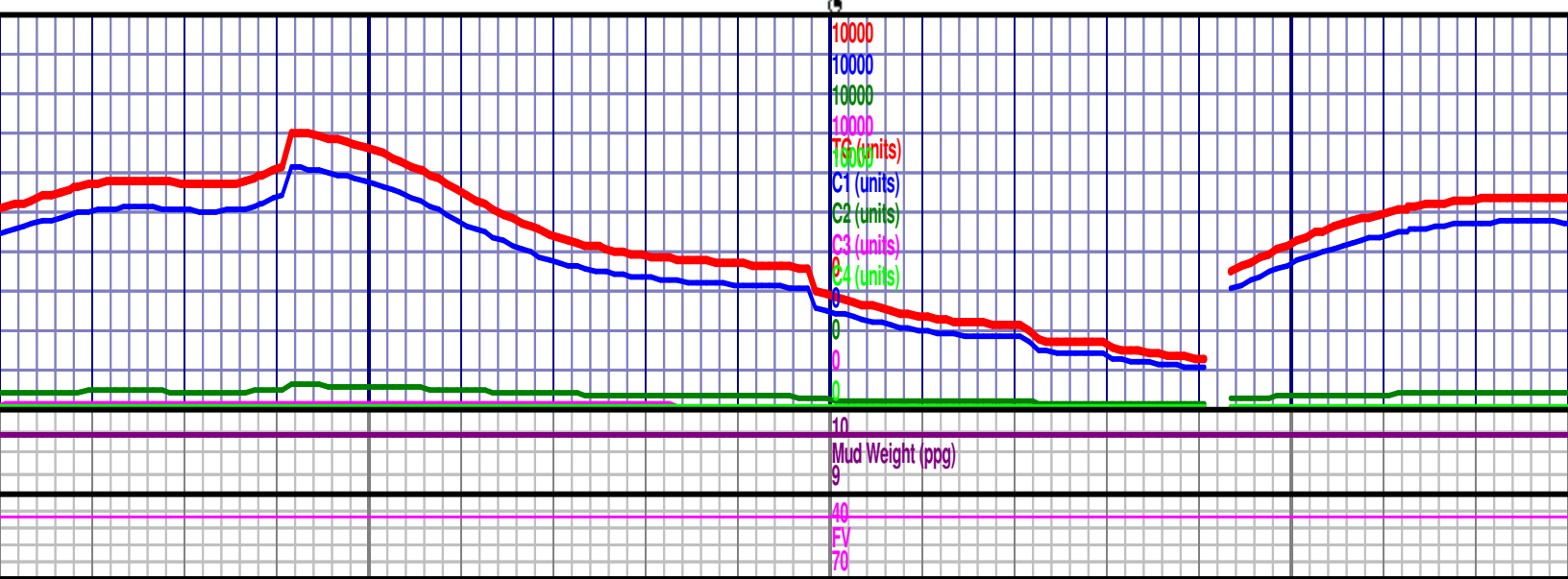
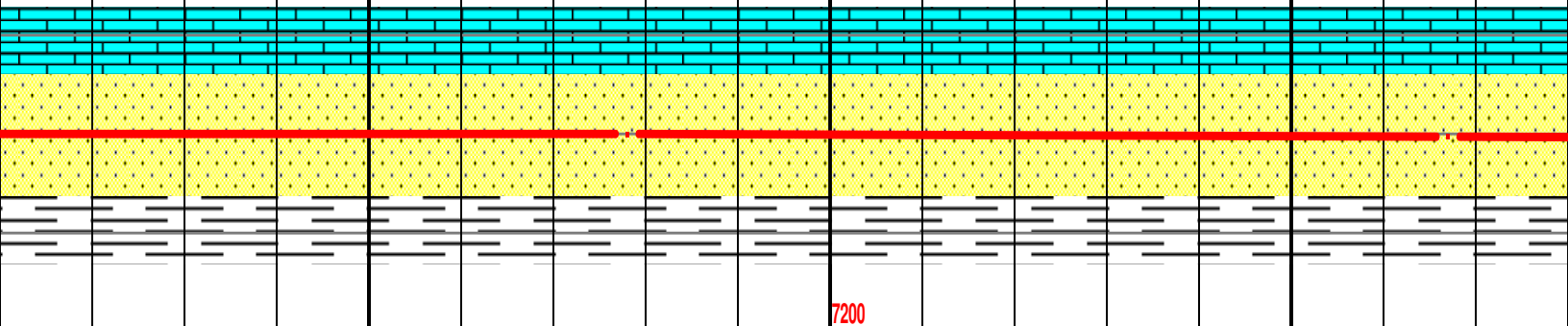
MD 12709 TVD 7158.69
INC 89.57 AZ 86.34
VS 6354.86

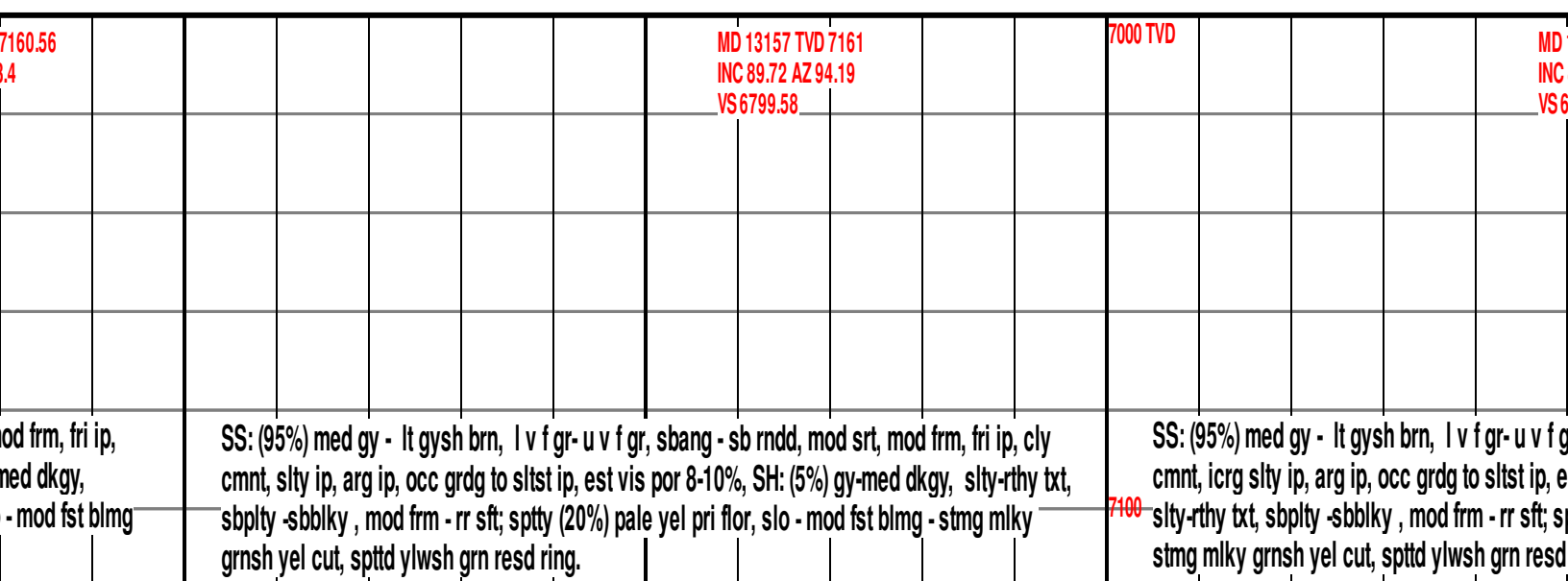


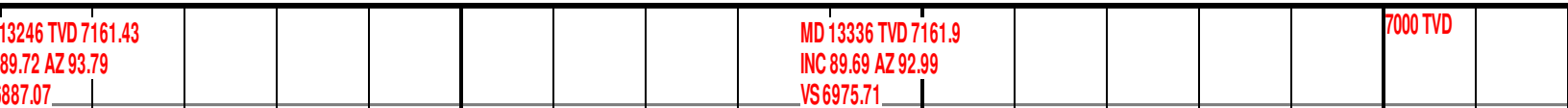




<p>MD 12978 TVD 7160.15 INC 89.75 AZ 91.75 VS 6623.2</p> <p>med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly y ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, bbly, mod frm - rr sft; sppty (20%) pale yel pri flor, slo blmg - stmg mlky grnsh yel cut, sh grn resd ring.</p>	<p>7000 TVD</p> <p>MD 13067 TVD INC 89.72 AZ 93 VS 6711.06</p> <p>SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, m cly cmnt, slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-r slty-rthy txt, sbply -sbbly, mod frm - rr sft; sppty (20%) pale yel pri flor, slo - stmg mlky grnsh yel cut, spstd ylwsh grn resd ring.</p>
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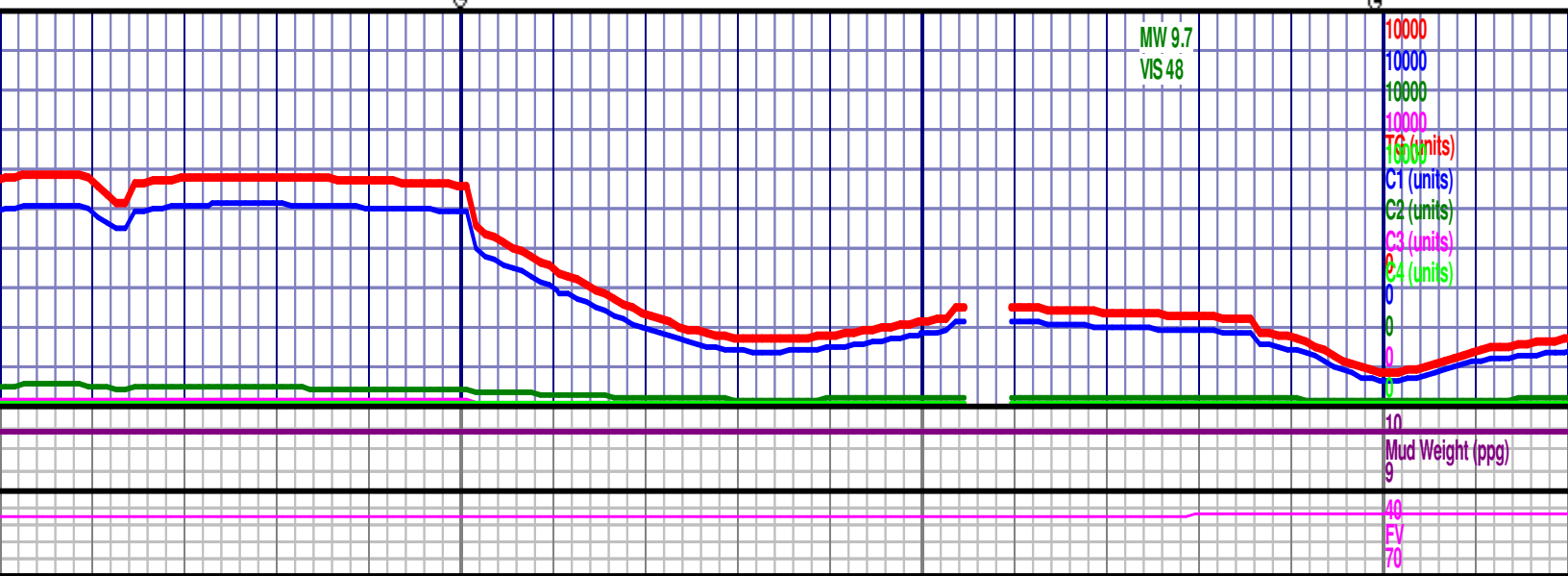


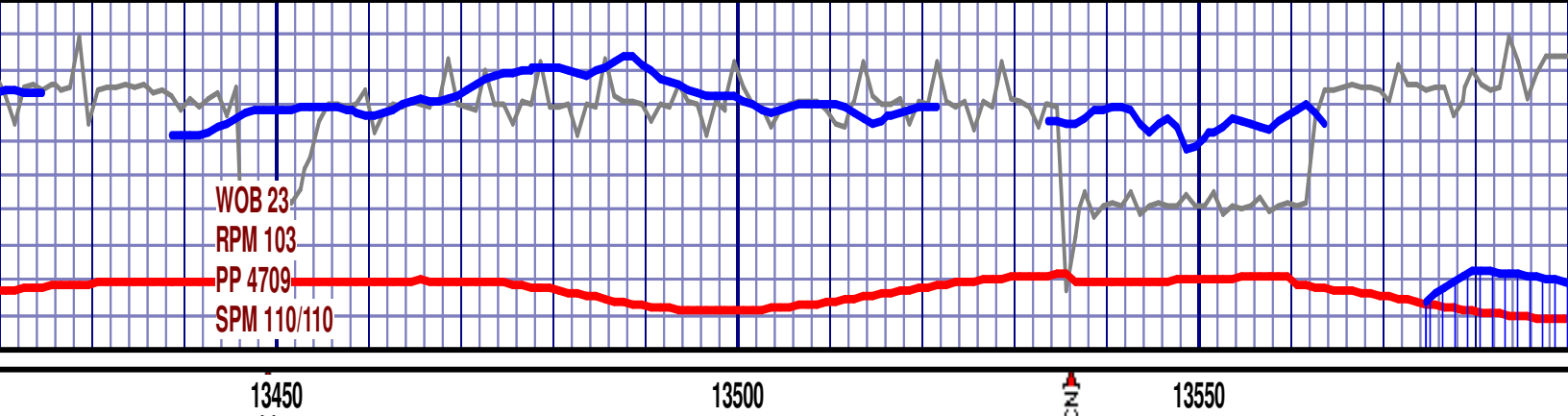




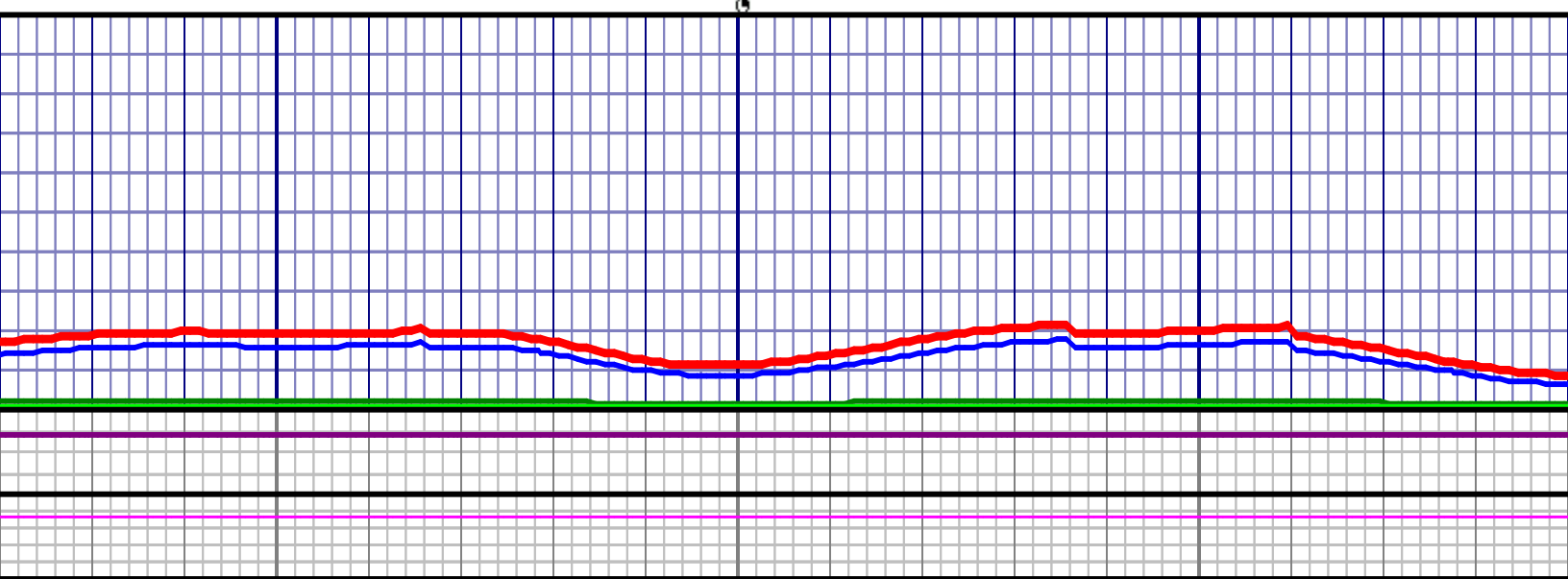
SS: (90%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly crmt, mod slty ip, arg ip, occ grgd to slst ip, est vis por 8-10%, SH: (10%) gy-med dkggy, slty-rthy txt, sbplty -sbbkly , mod frm - rr sft; sptty (20%) pale yel pri flr, slo - mod fst blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.

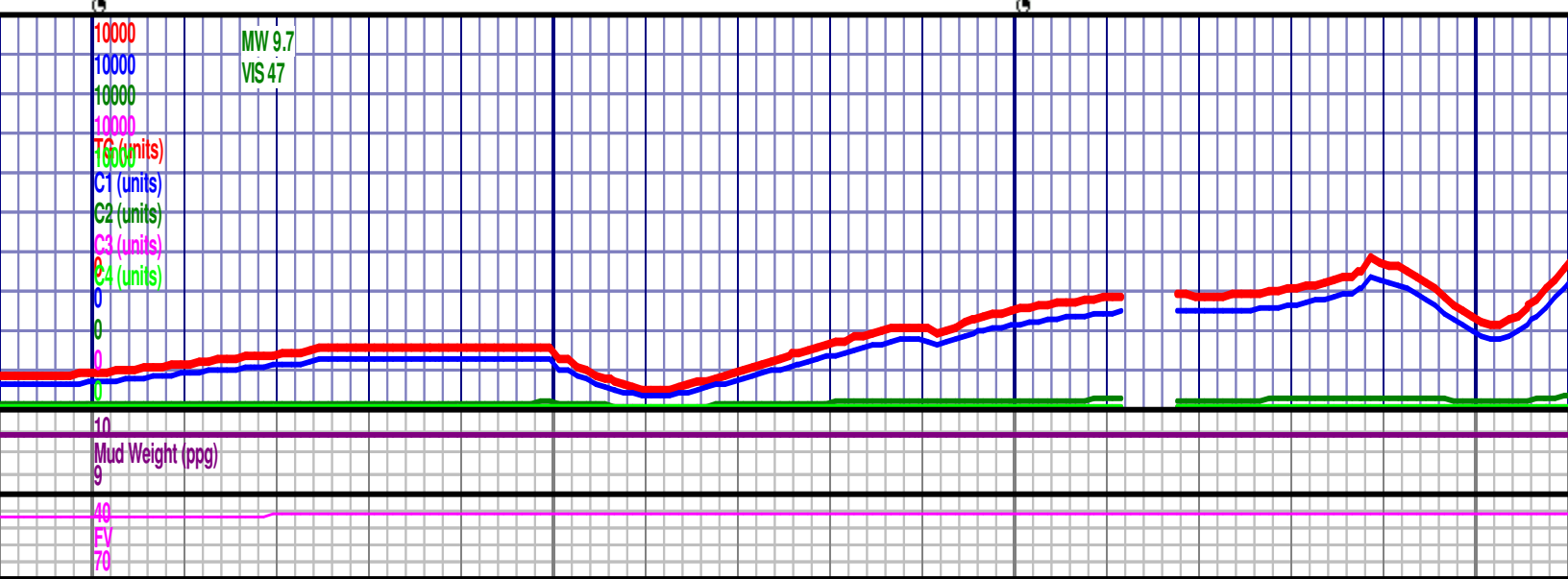
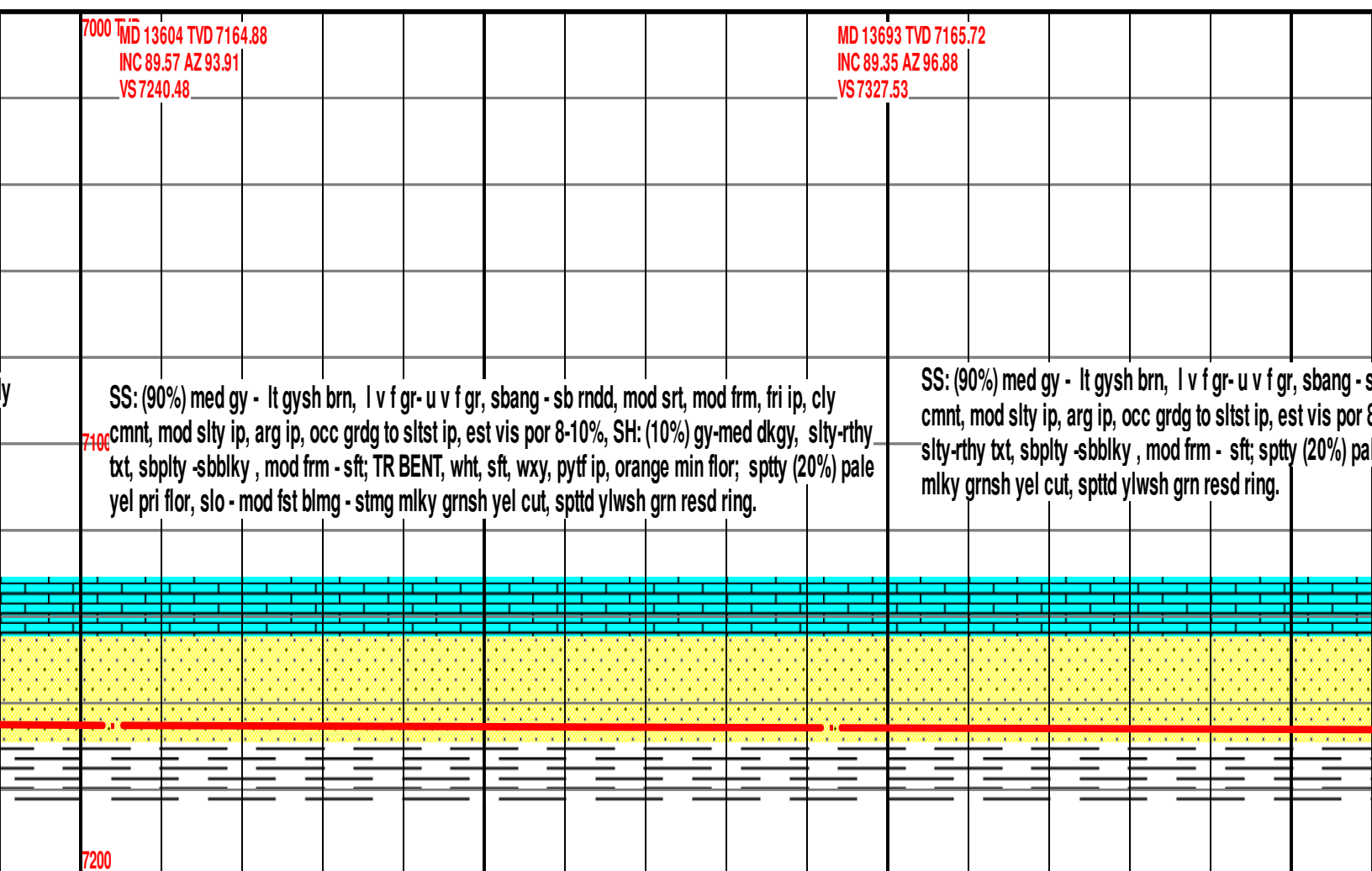
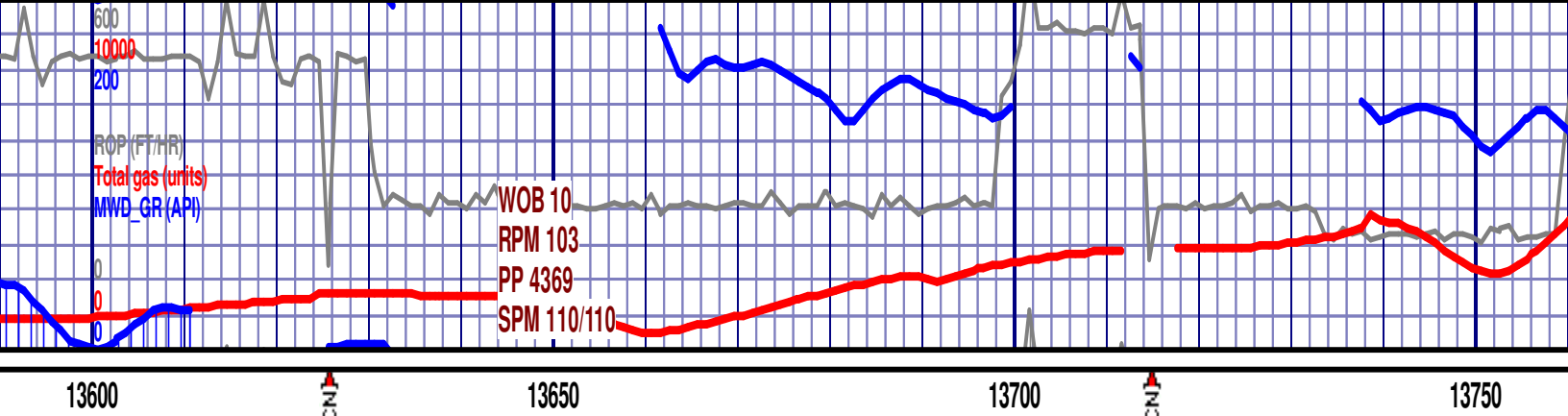
SS: (90%) med
cmnt, mod slty
slty-rthy txt, s
strng milky gr

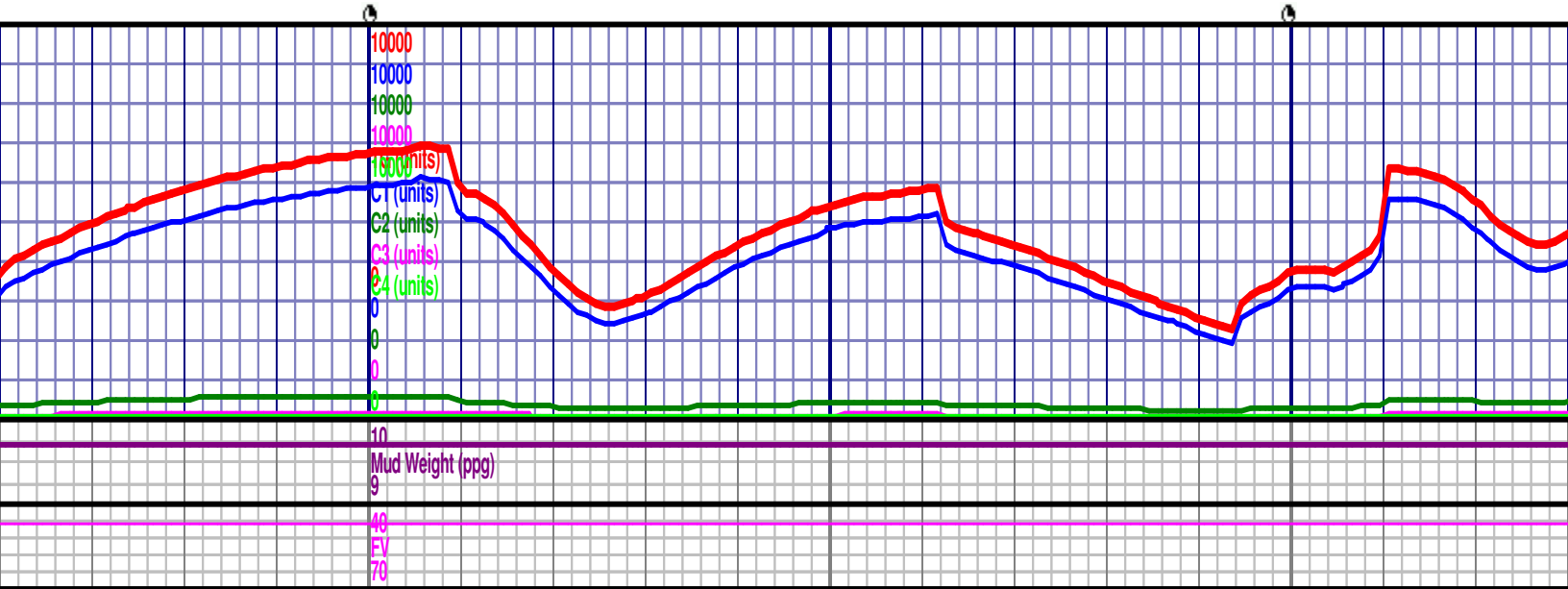
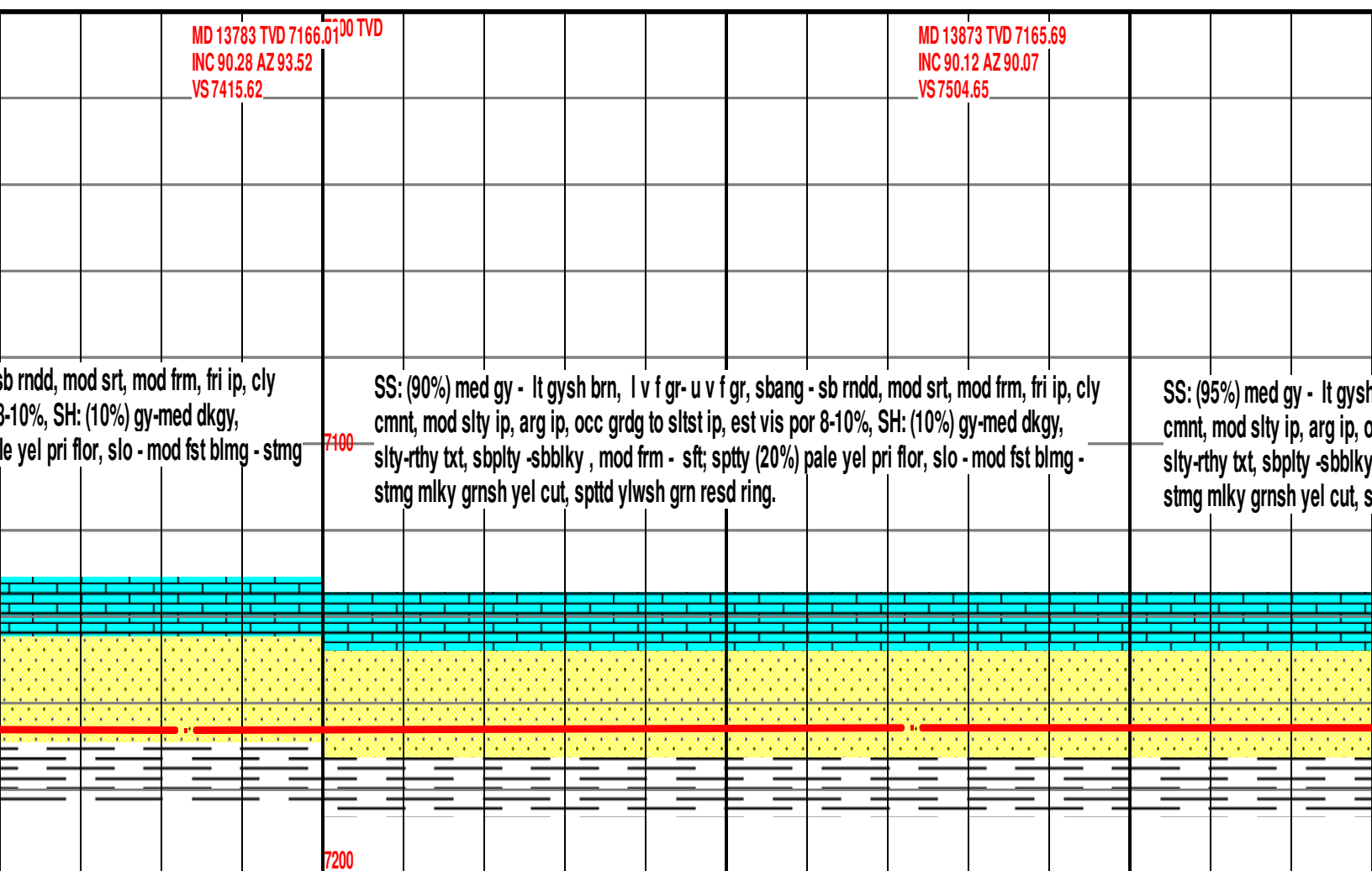
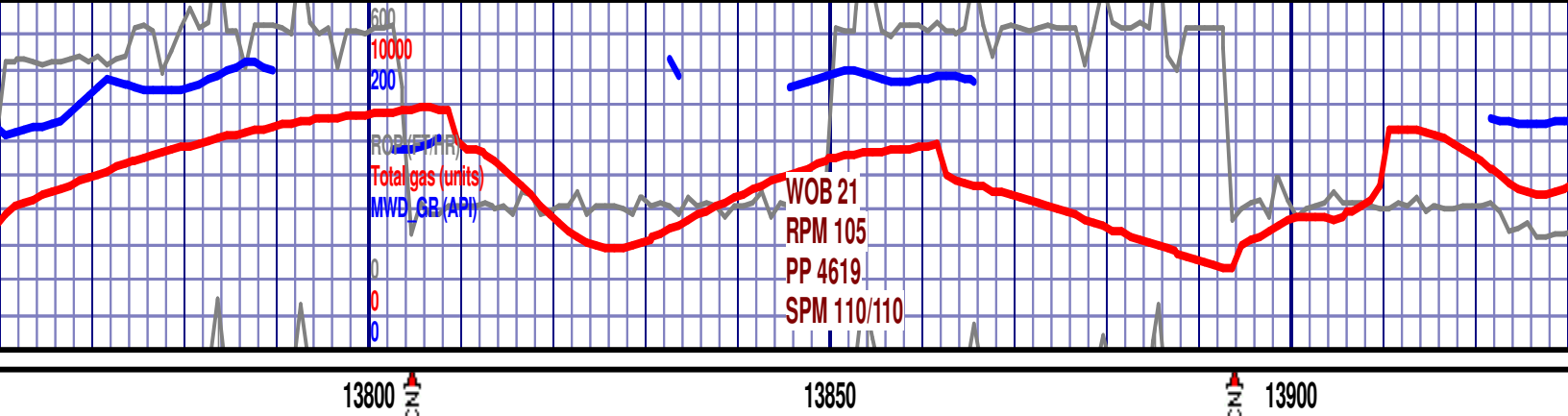


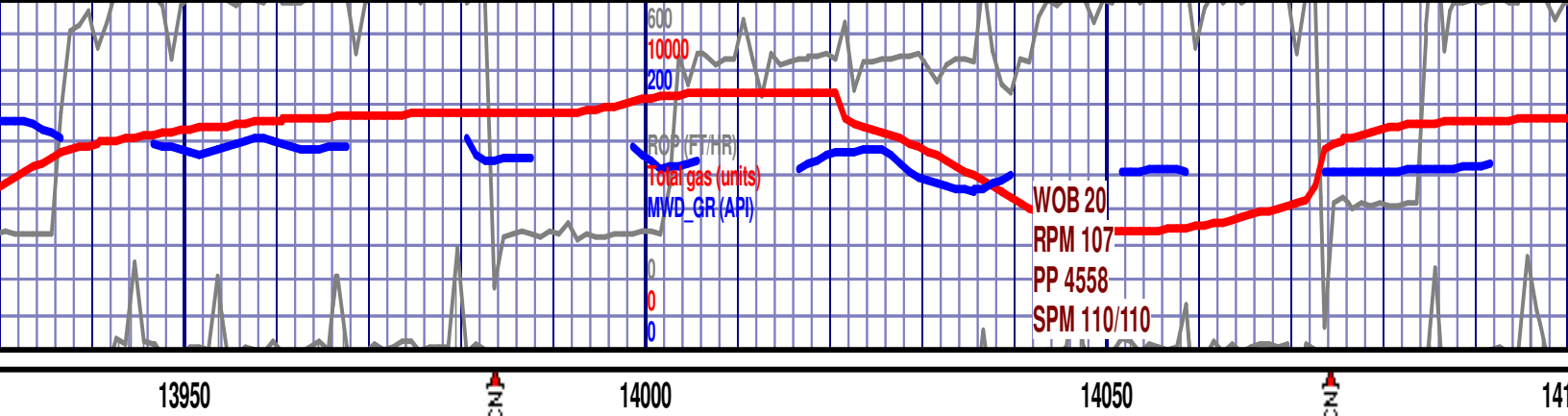


<p>MD 13425 TVD 7162.78 INC 89.17 AZ 92.24 VS 7063.56</p> <p>gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly y ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (10%) gy-med dkgy, sbply -sbbly, mod frm - rr sft; spty (20%) pale yel pri flor, slo - mod fst blmg - sh yel cut, spttd ylwsh grn resd ring.</p>	<p>MD 13515 TVD 7163.99 INC 89.29 AZ 91.15 VS 7152.62</p> <p>SS: (90%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (10%) gy-med dkgy, slty-rthy txt, sbply -sbbly, mod frm - sft; TR BENT, wht, sft, wxy, pytf ip, orange min flor; spty (20%) pale yel pri flor, slo - mod fst blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.</p>
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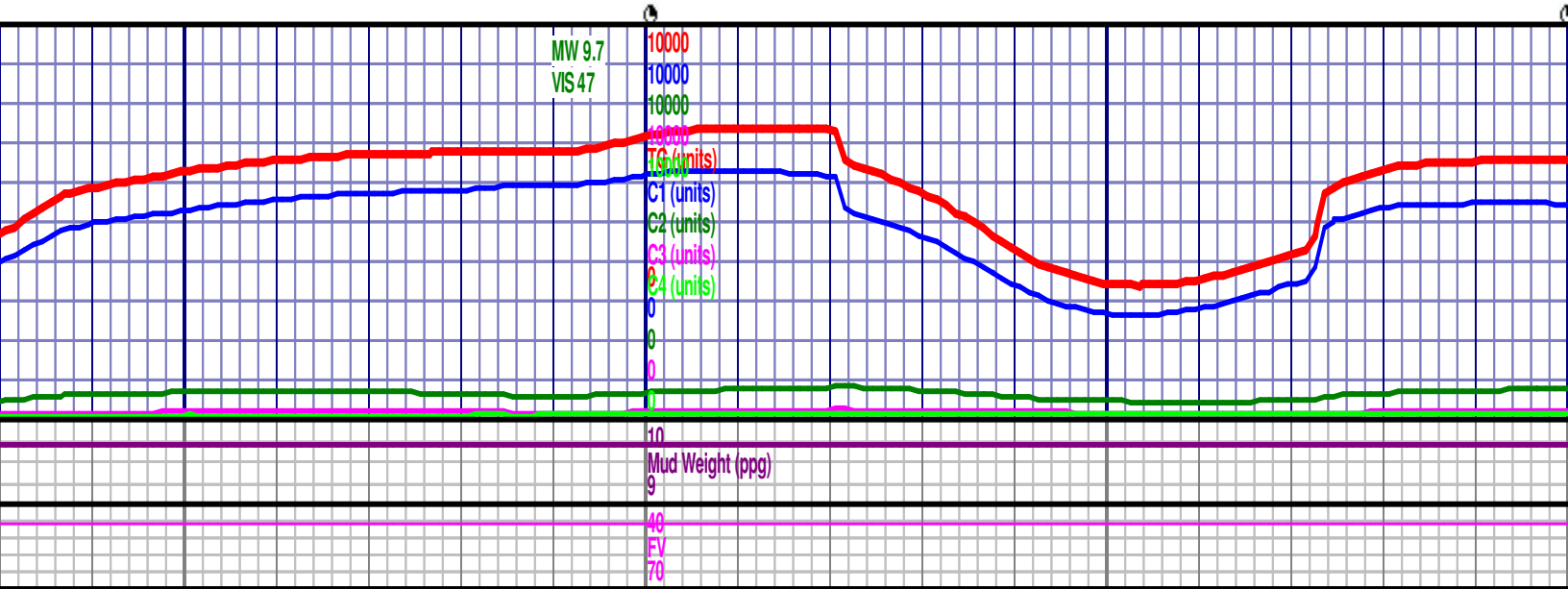


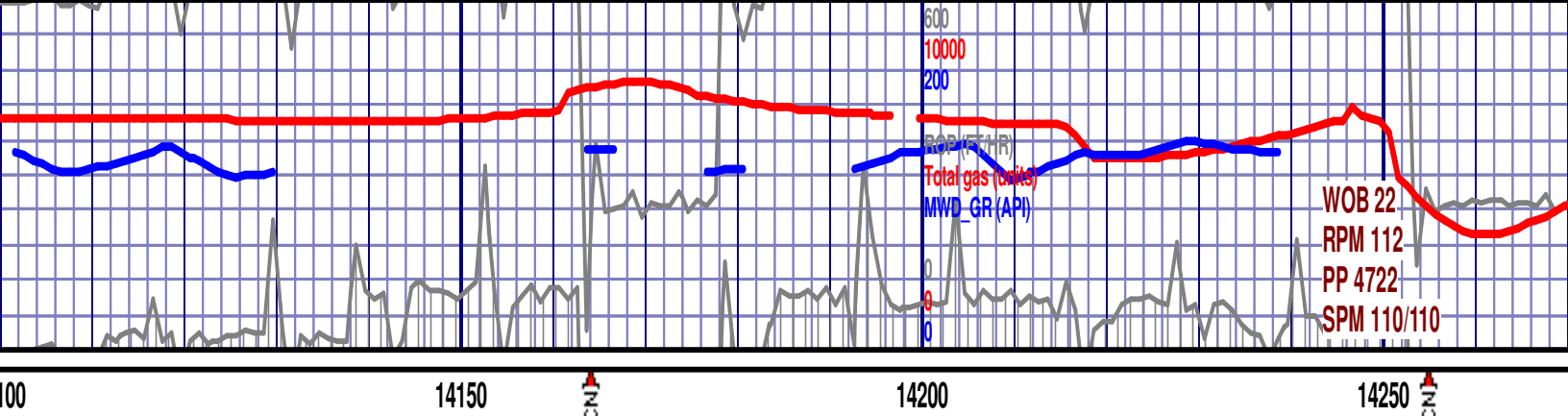






<p>MD 13962 TVD 7165.72 INC 89.85 AZ 88 VS 7593.22</p> <p>7000 TVD</p>	<p>MD 14052 TVD 7165.91 INC 89.91 AZ 87.45 VS 7682.96</p> <p>SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slyt-rthy txt, sbply -sbbiky, mod frm - sft; sppty (20%) pale yel pri flor, slo - mod fst blmg - stmg milky grnsh yel cut, spptd ylwsh grn resd ring.</p>
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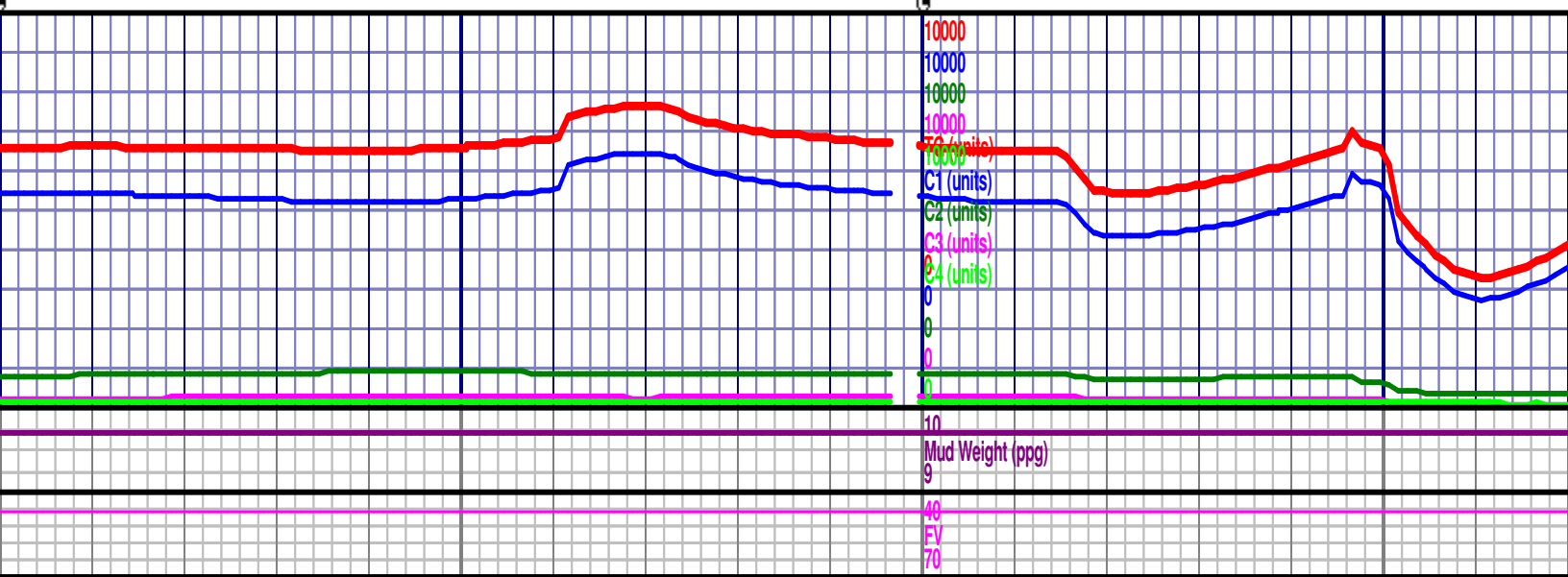
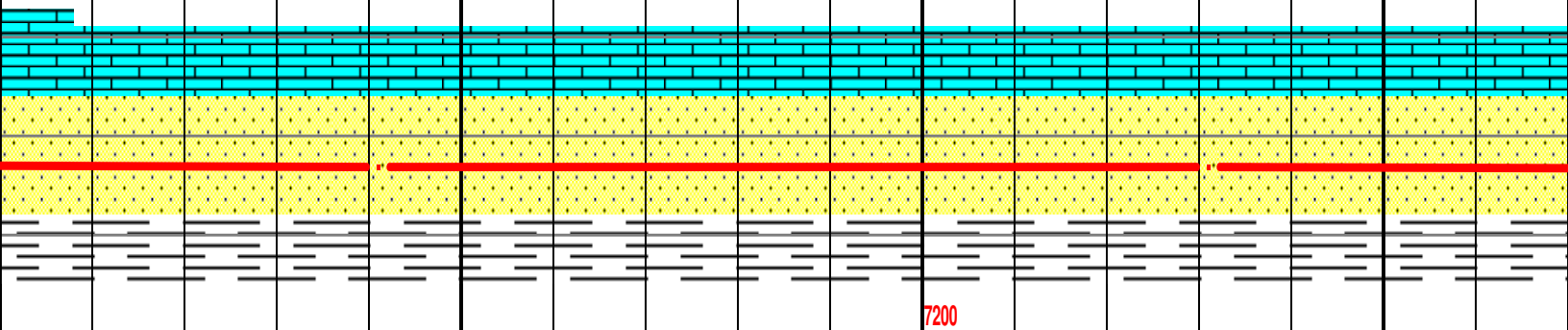
MD 14141 TVD 7166
INC 89.97 AZ 87.63
VS 7771.73

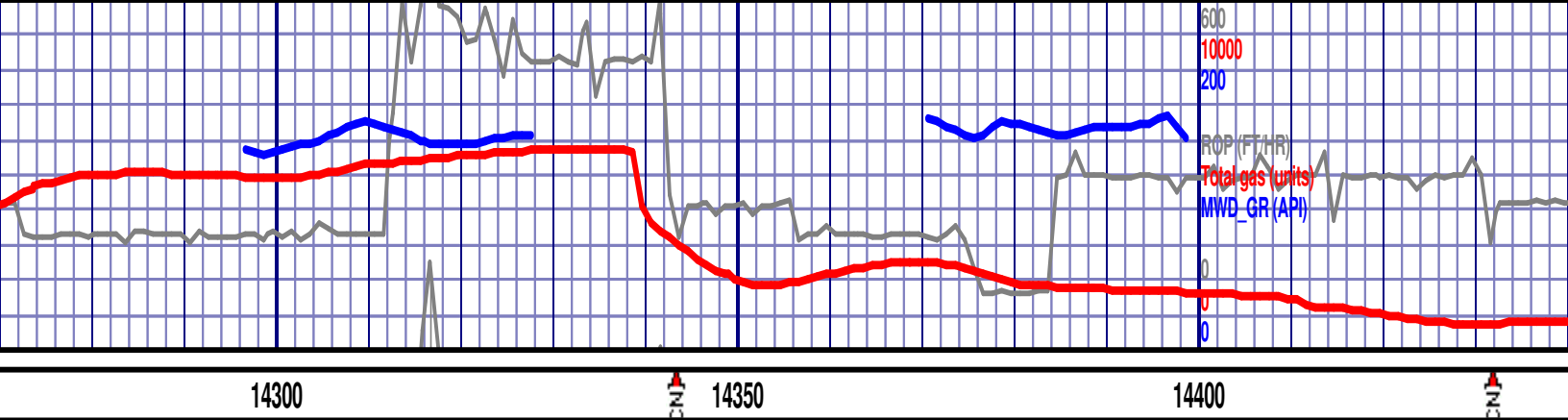
7000 TVD

MD 14231 TVD 7166.12
INC 89.88 AZ 86.8
VS 7861.53

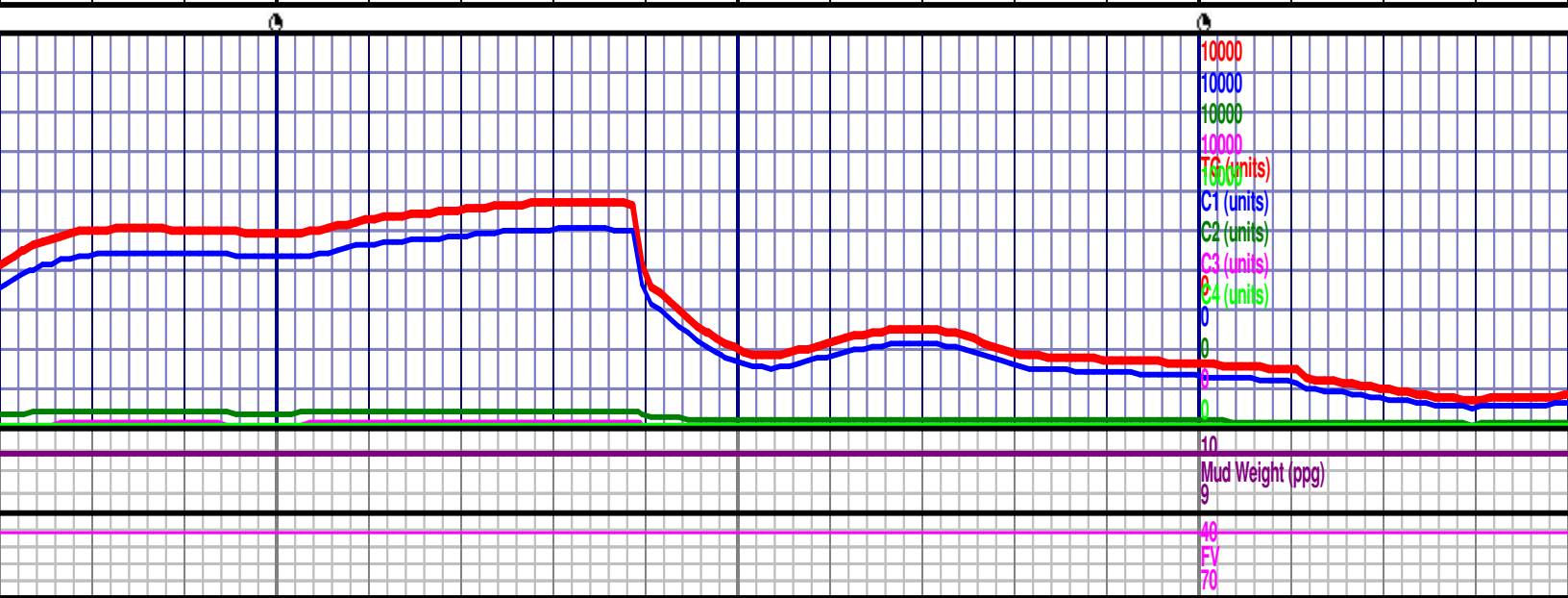
SS: (95%) med gy - lt gysh brn, l v f gr-u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, sbply -sbbiky, mod frm - sft; spty (20%) pale yel pri flor, slo - mod fst blmg - stng mlky grnsh yel cut, spttd ylwsh grn resd ring.

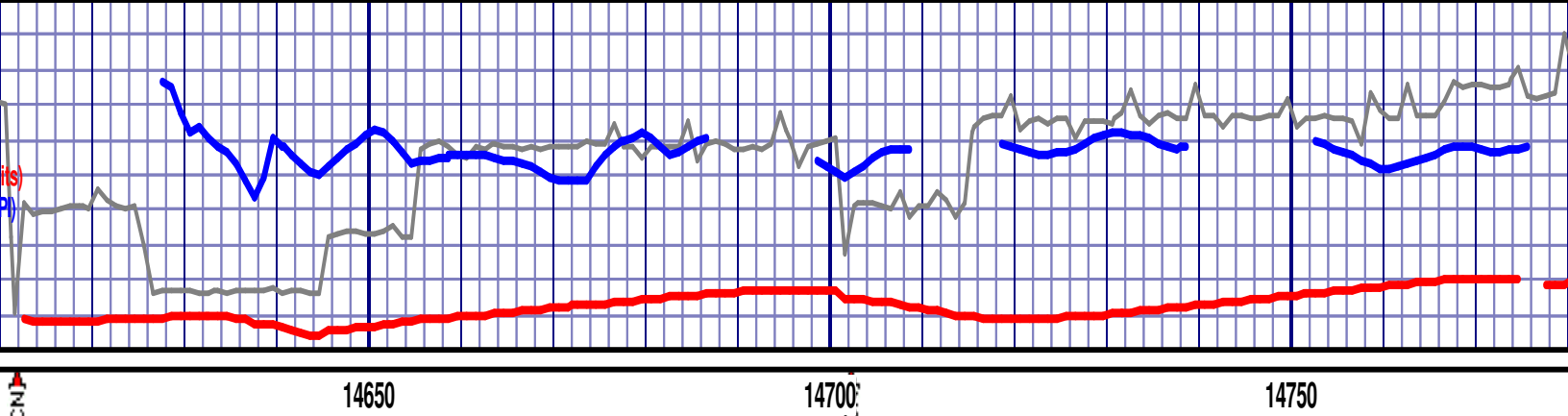
SS: (95%) med gy - lt gysh brn, l v f gr-u v f gr, sbang - sb rndd, m cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, sbply -sbbiky, mod frm - sft; spty (20%) pale yel pri mlky grnsh yel cut, spttd ylwsh grn resd ring.





	<p>MD 14321 TVD 7166.91 INC 89.11 AZ 85.87 VS 7951.41</p>	<p>7000 TVD MD 14410 TVD 7168.25 INC 89.17 AZ 87.84 VS 8040.24</p>
<p>mod srt, mod frm, fri ip, cly : (5%) gy-med dkgy, flor, slo - mod fst blmg - stmg</p>	<p>SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, sbply -sbbiky , mod frm - sft; sptty (20%) pale yel pri flor, slo - mod fst blmg - stmg milky grnsh yel cut, spttd ylwsh grn resd ring.</p>	<p>SS: (95%) med gy - lt gysh brn, l v cmnt, mod slty ip, arg ip, occ grdg slty-rthy txt, sbply -sbbiky , mod fr stmg milky grnsh yel cut, spttd ylw</p>



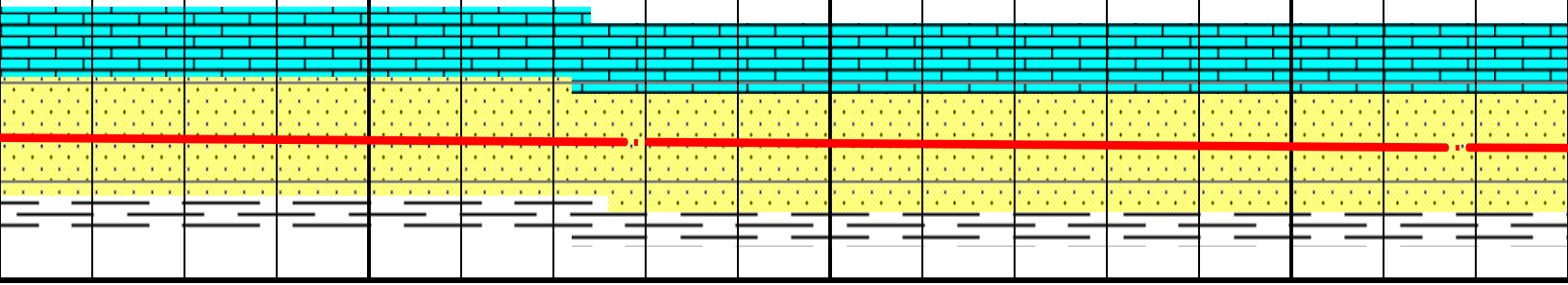


MD 14679 TVD 7172
INC 89.35 AZ 90.36
VS 8307.17

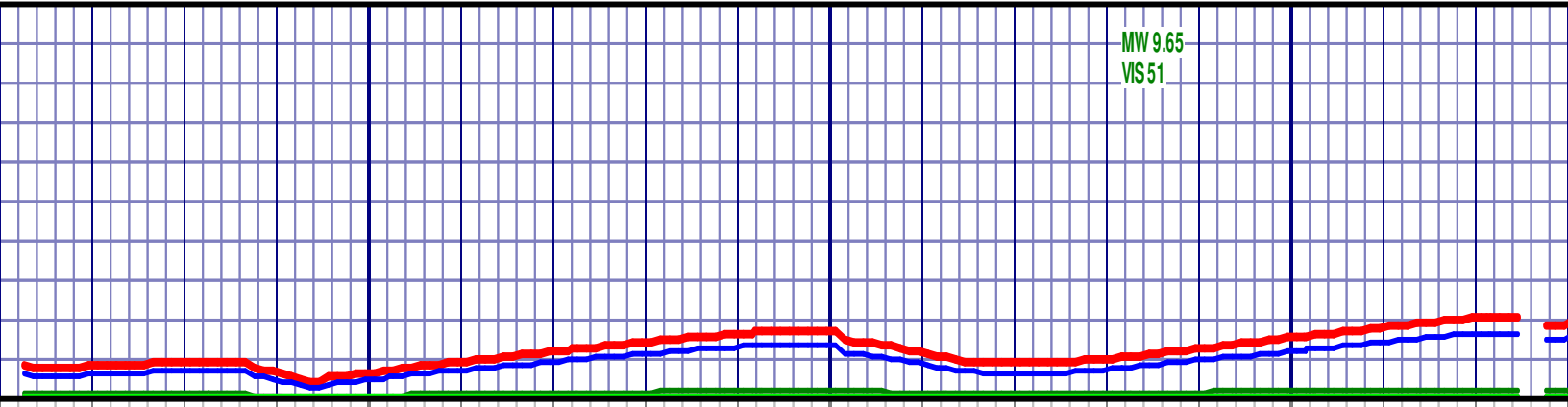
MD 14768 TVD
INC 89.42 AZ
VS 8395.58

(95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly
t, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy,
rthy txt, sbply -sbbly, mod frm - sft; spty (20%) pale yel pri flor, slo - mod fst blmg -
g mlky grnsh yel cut, spttd ylwsh grn resd ring.

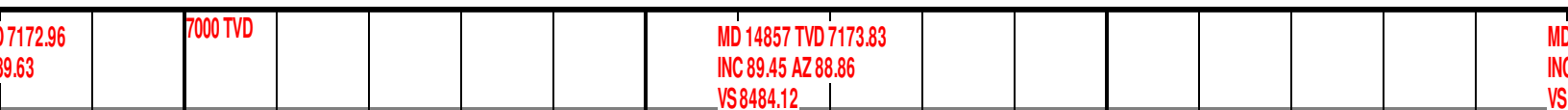
SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod
cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-r
txt, sbply -sbbly, mod frm - sft; spty (20%) pale yel pri flor, slo - mod fst bl
grnsh yel cut, spttd ylwsh grn resd ring.



MW 9.65
VIS 51

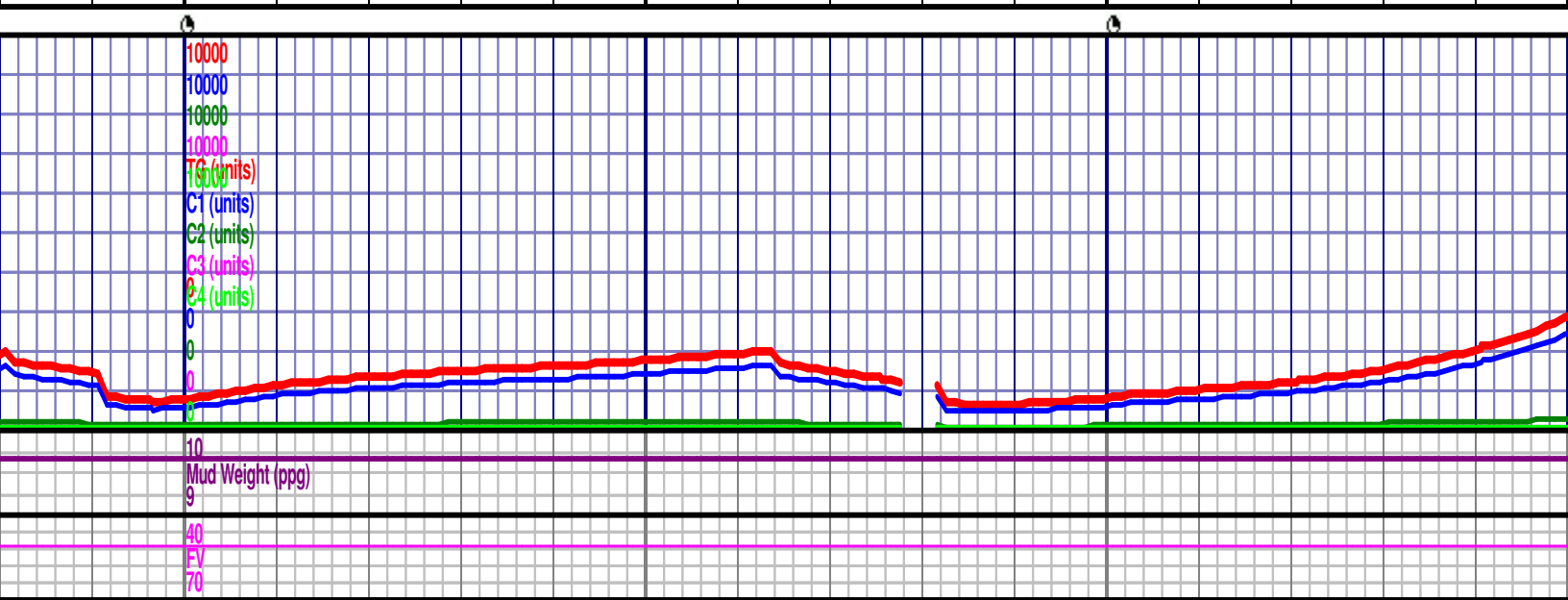
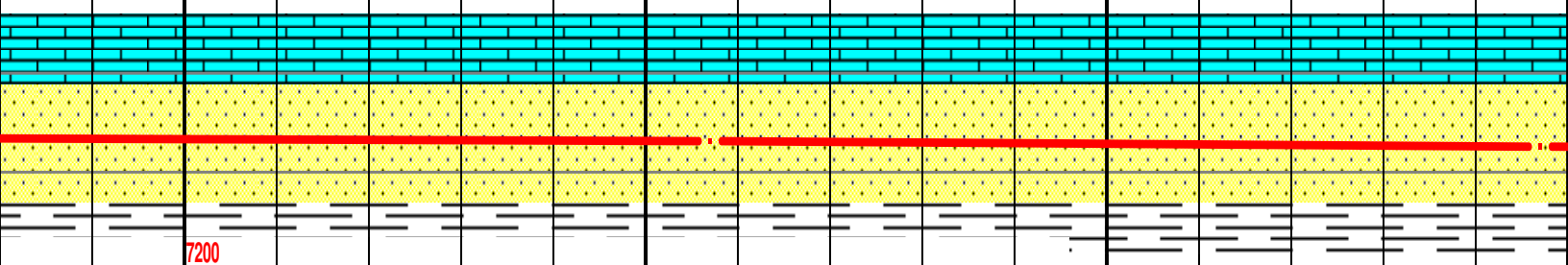


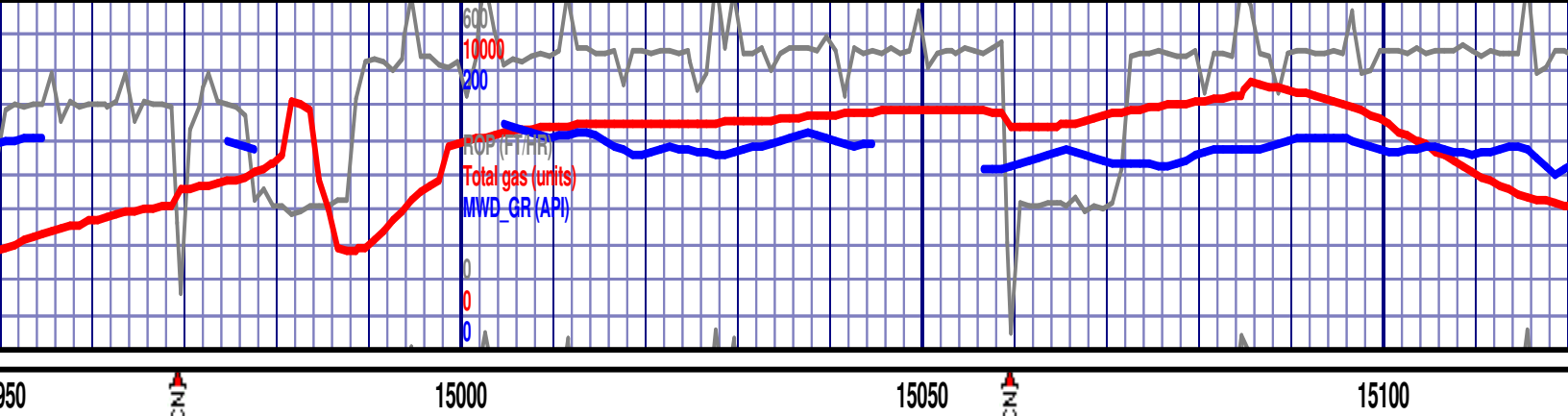
ppg)



SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly
cmnt, mod slty ip, arg ip, occ grgd to slst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy
txt, sbplyt -sbblyk , mod frm - sft; sptty (20%) pale yel pri flor, slo - mod fst blmg - stmg mlky
grnsh yel cut, spttd ylwsh grn resd ring.

SS: (95%) med gy - lt gysh brn, l v f gr- u v f gr, sk
mod slty ip, arg ip, occ grdg to sltst ip, est vis por
-sbbly, mod frm - sft; spty (20%) pale yel pri flor
sptd ylwsh grn resd ring.





14947 TVD 7174.67
C 89.48 AZ 88.93
8573.7

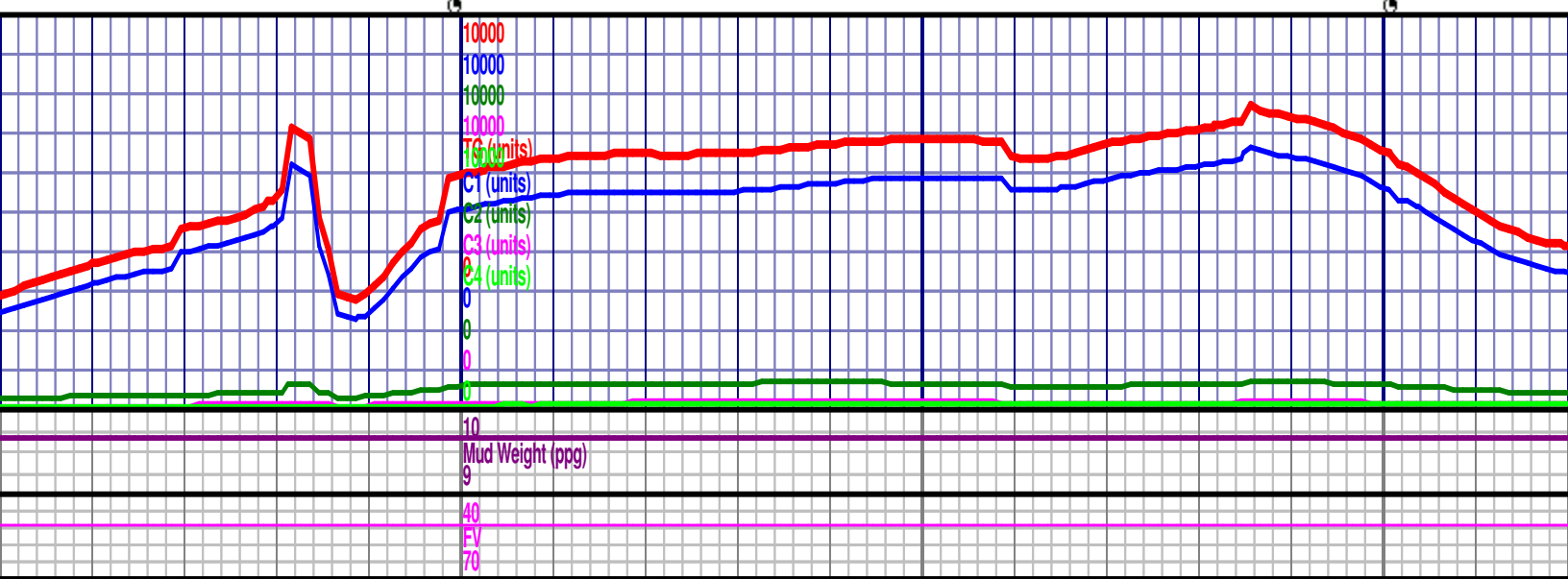
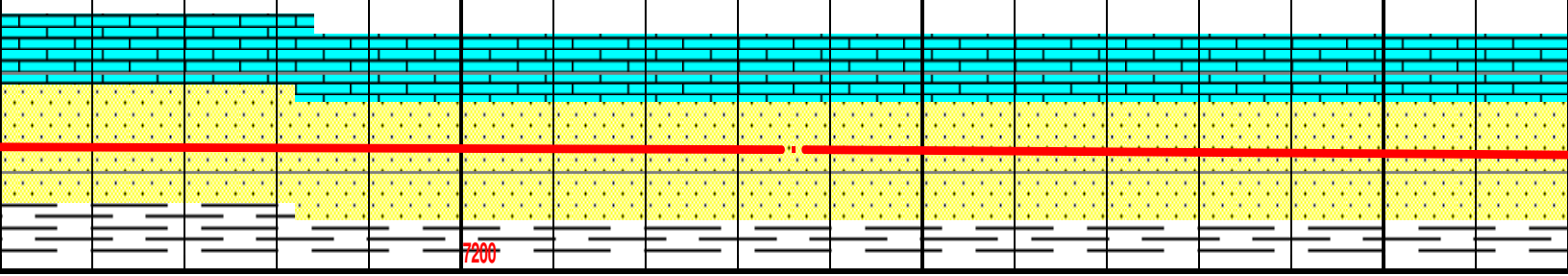
7000 TVD

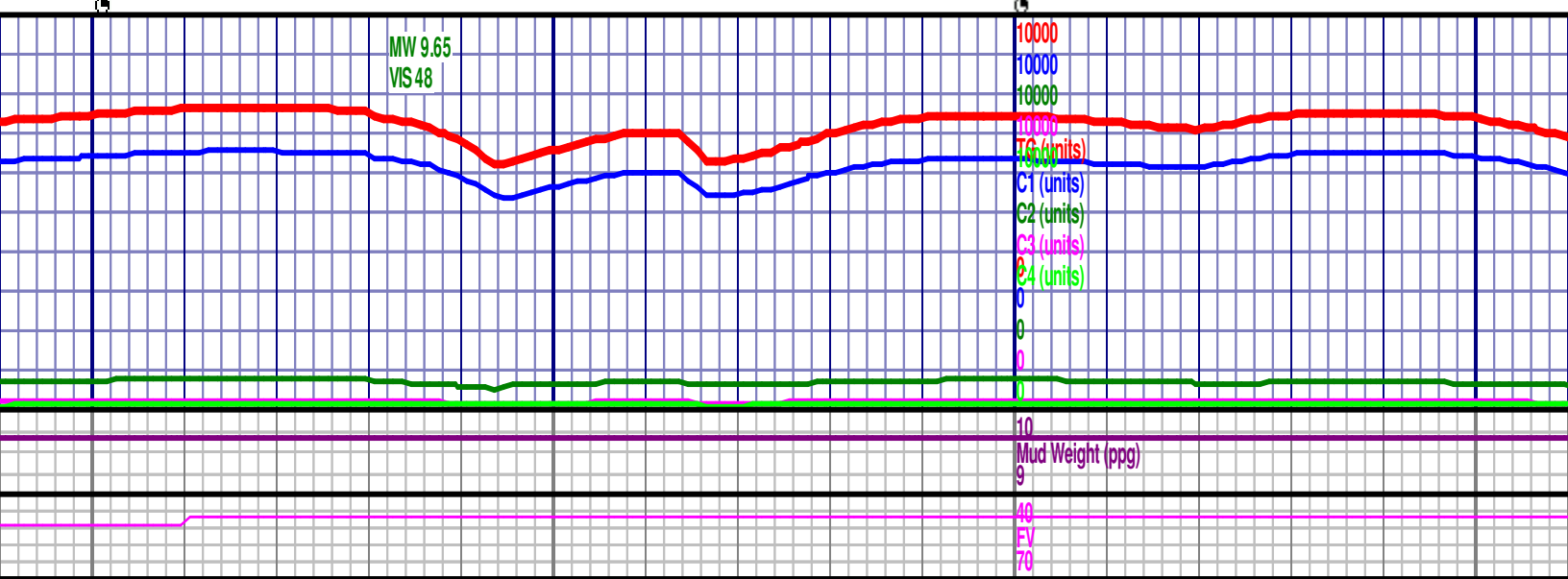
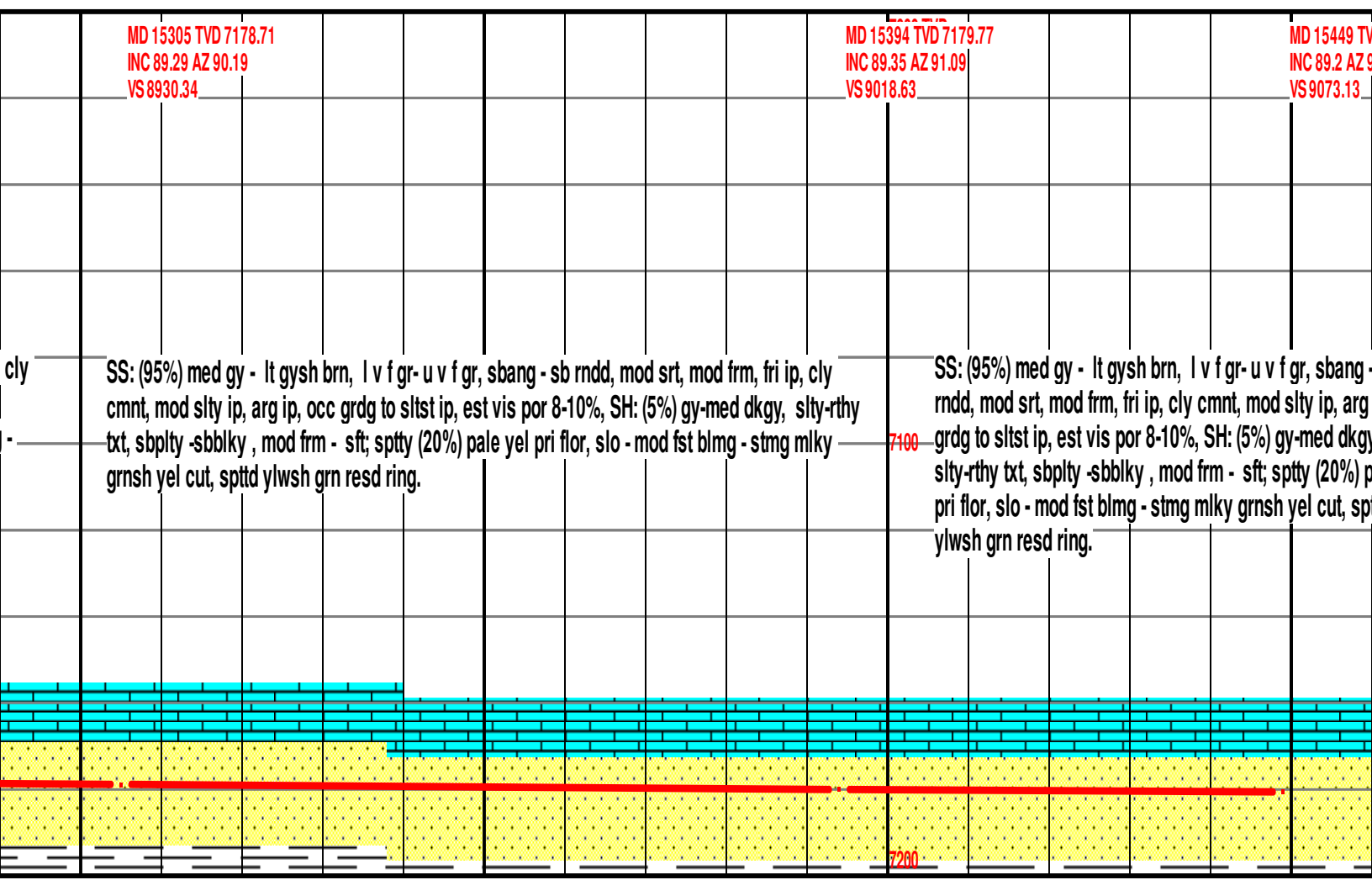
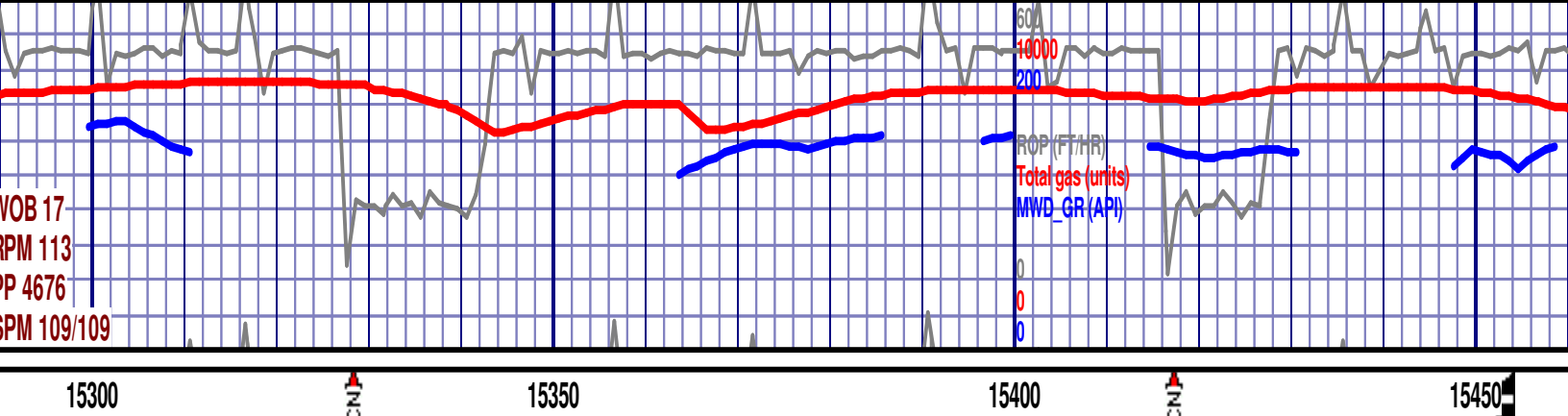
MD 15036 TVD 7175.56
INC 89.38 AZ 88.38
VS 8662.33

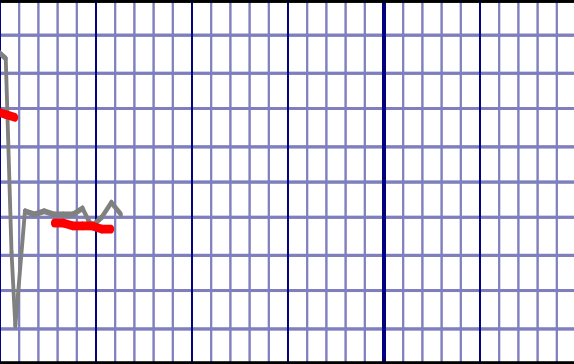
sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, sbppty, slo - mod fst blmg - stmg mlky grnsh yel cut,

SS: (95%) med gy - lt gysh brn, l v f gr-u v f gr, sbang - sb rndd, mod srt, mod frm, fri ip, cly cmnt, mod slty ip, arg ip, occ grdg to sltst ip, est vis por 8-10%, SH: (5%) gy-med dkgy, slty-rthy txt, sbppty -sbbiky, mod frm - sft; sptty (20%) pale yel pri flor, slo - mod fst blmg - stmg mlky grnsh yel cut, spttd ylwsh grn resd ring.

SS: (95%) med gy cmnt, mod slty ip, txt, sbppty -sbbiky grnsh yel cut, spttd







15500

D 7180.47
1.2

TD @ 15473'
on 05/11/17, 0320 hr.

Formation Top's				
	MD	TVD	SSD	
Sharon Springs	6910'	6778'	-2019'	
Niobrara A Chalk	6958'	6820'	-2061'	
sb ip, occ Niobrara B Chalk	7110'	6942'	-2183'	
ale yel tted Niobrara C Chalk	7216'	7016'	-2257'	
K Marker	7317'	7072'	-2313'	
Fort Hays	7414'	7112'	-2353'	
Codell	7480'	7132'	-2373'	
Target Heel	7609'	7150'	-2391'	
Target Toe	15473'			

Thank You
Goolsby Brothers & Assoc. Inc

