

**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name:	Greeley-Rothe Federal 34C-2-L		
API:	051234644700		
Location:	Section 1, T5N, R67W, Weld County, CO.		
License Number:		Region:	Wattenberg
Spud Date:	August 11, 2018	Drilling Completed:	August 14, 2018
Surface Coordinates:	SESE T5N, R67W Sec 1, 943' FSL & 294' FEL LAT 40.424142 LONG -104.833502		
Bottom Hole Coordinates:	SWSW T5N, R67W Sec 2, 145' FSL & 411' FWL		
Ground Elevation (ft):	4,873'	K.B. Elevation (ft):	4,893'
Logged Interval (ft):	6,800'	To:	17,458' Total Depth (ft): 17,458' DMTD
Formation:	Pierre Shales / Sands, Sharon Springs, Niobrara, Codell (target)		
Type of Drilling Fluid:	FW Surface, OBM Curve & Lateral		

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: Andrew Krueger & 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 1,832'-17,442' MD

Casing

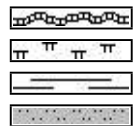
9 5/8" Surface Casing set @ 1,833' MD

5 1/2" Production Casing set @ 17,445' MD

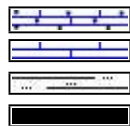
Comments

- 1) Drilling Contractor: Precision Drilling, Rig #462
Toolpusher: Cody Teeter, Joseph Credeur
- 2) Company Man: Steve Wilson, Buddy Davis
Lovell Young, Tony Pershall
- 3) Mud Company : Anchor USA
Engineer: Tim Pattison, James Eckhardt
- 4) Directional Drilling: Baker Hughes Directional
Rotary Steerable BHA
Drillers: Dustin Tissaw, Matthew Leopold
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) SRC Geologist: Tony Williams

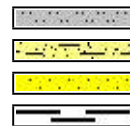
ROCK TYPES



Bent
Mrlst
Shale
Slstst



Carb chalk
Chalk
Slty sh
Coal



Slstst
Arg_ss
Ss
Carb sh



Ls
Slty sh

ACCESSORIES

MINERAL

	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlit
	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
	Sltstrg
	Ssstrg

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

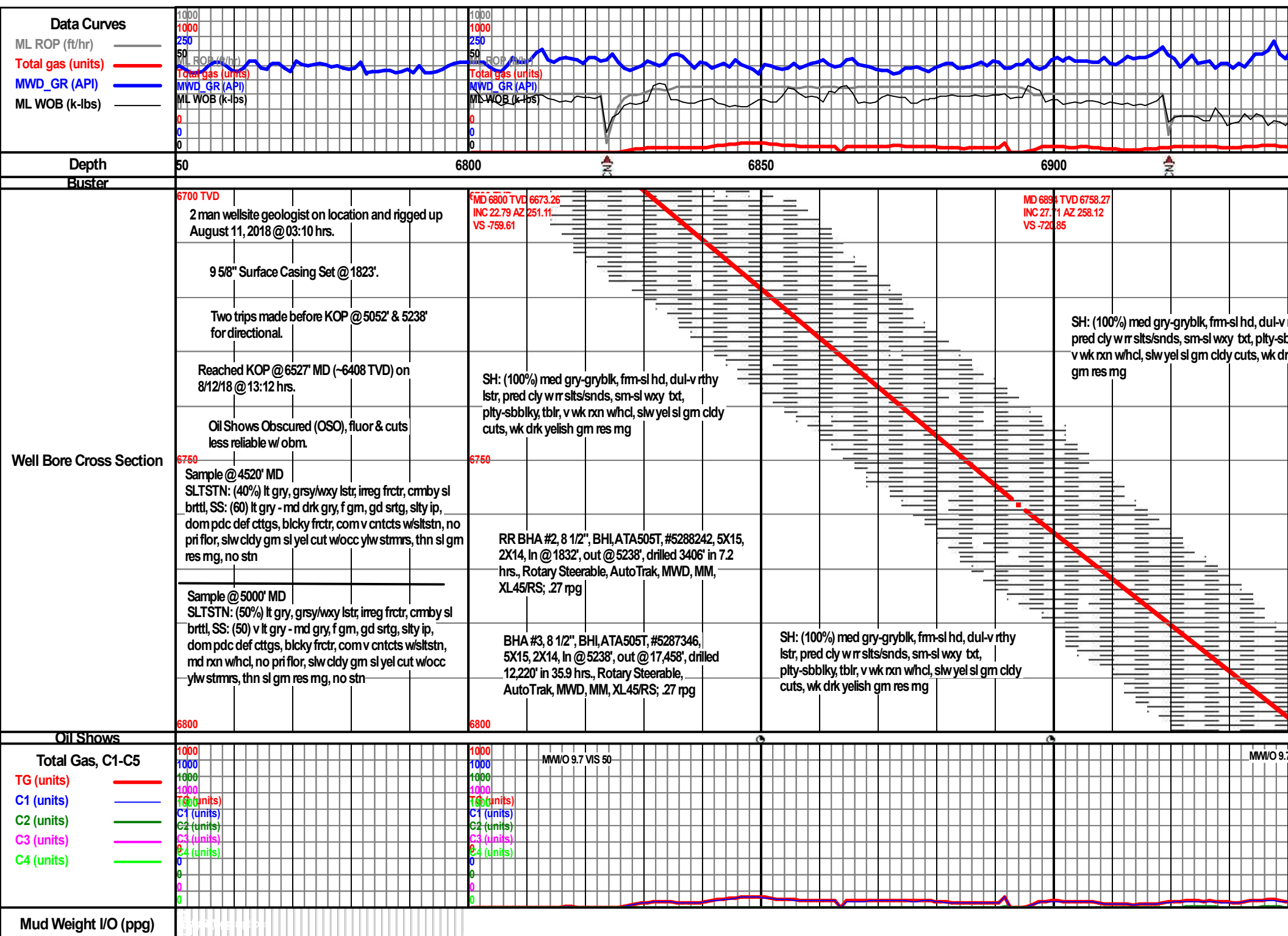
	Even
	Spotted
	Ques
	Dead
	Vspotty
	near even

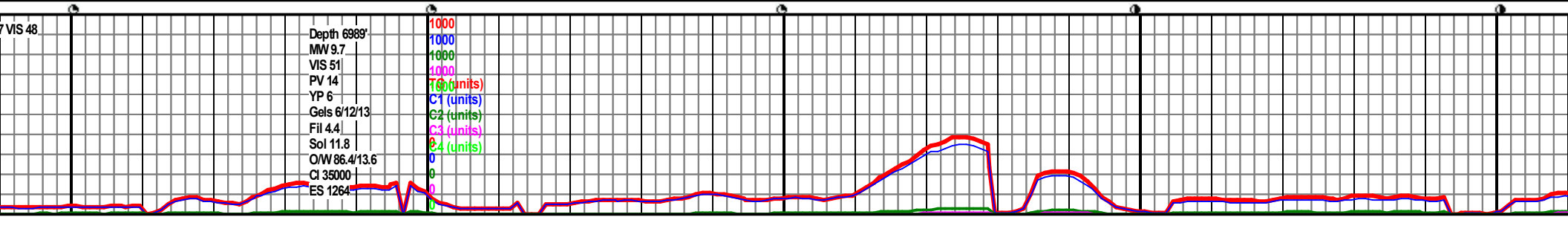
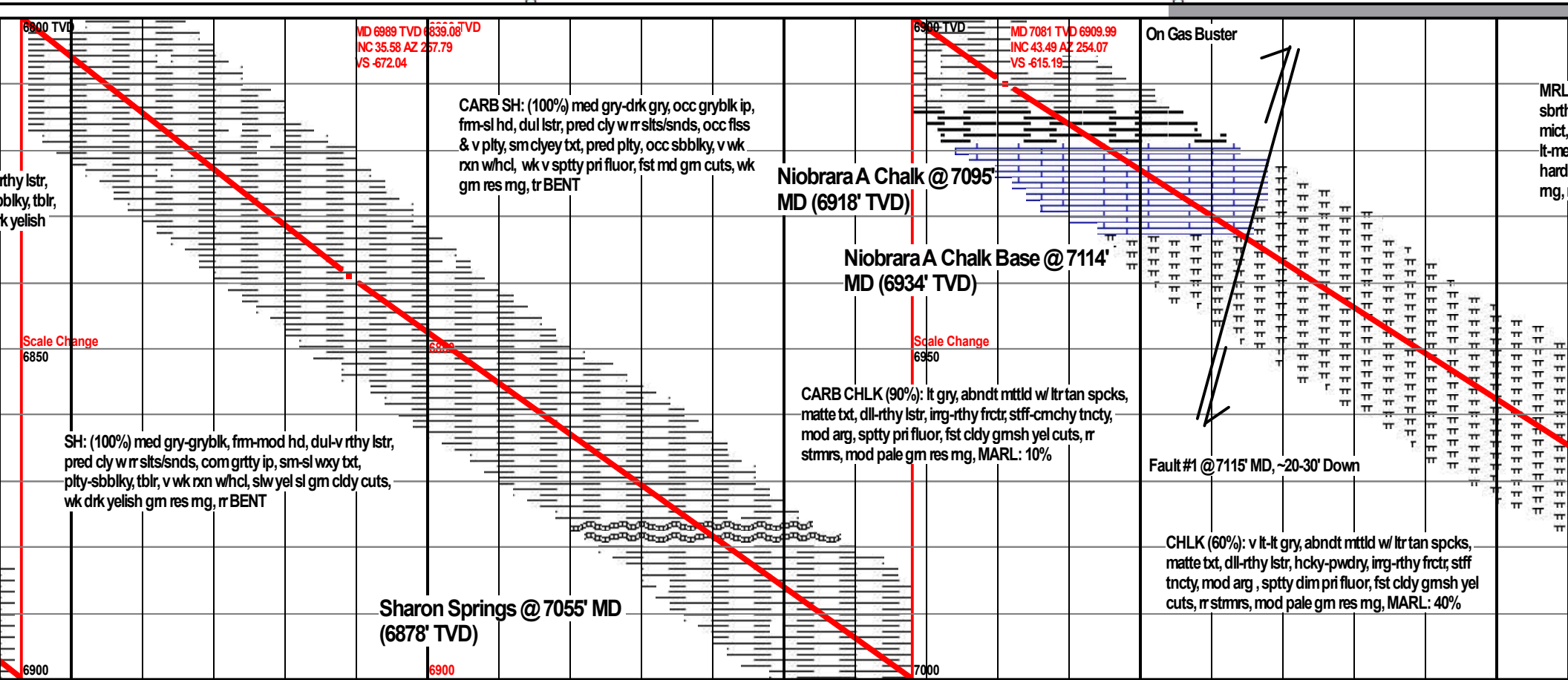
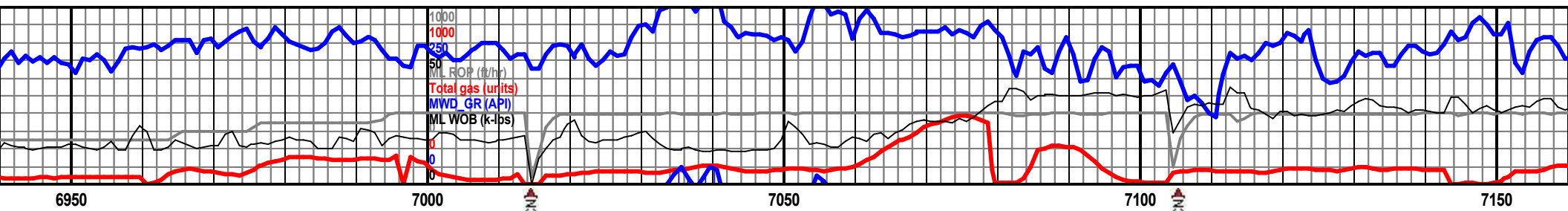
INTERVALS

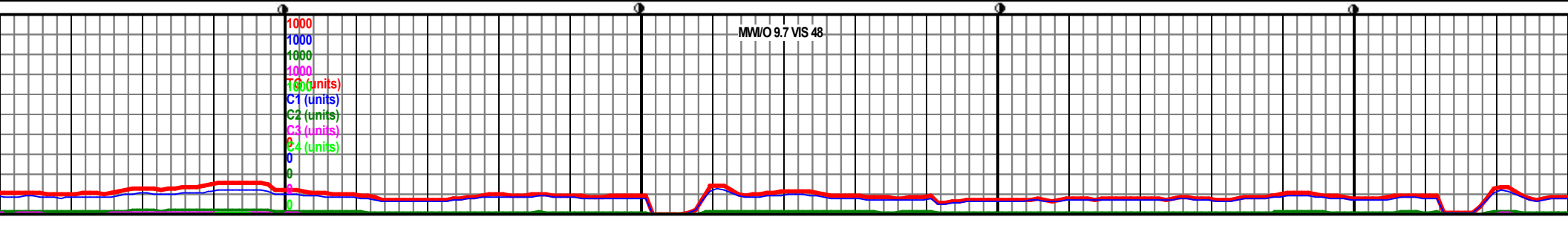
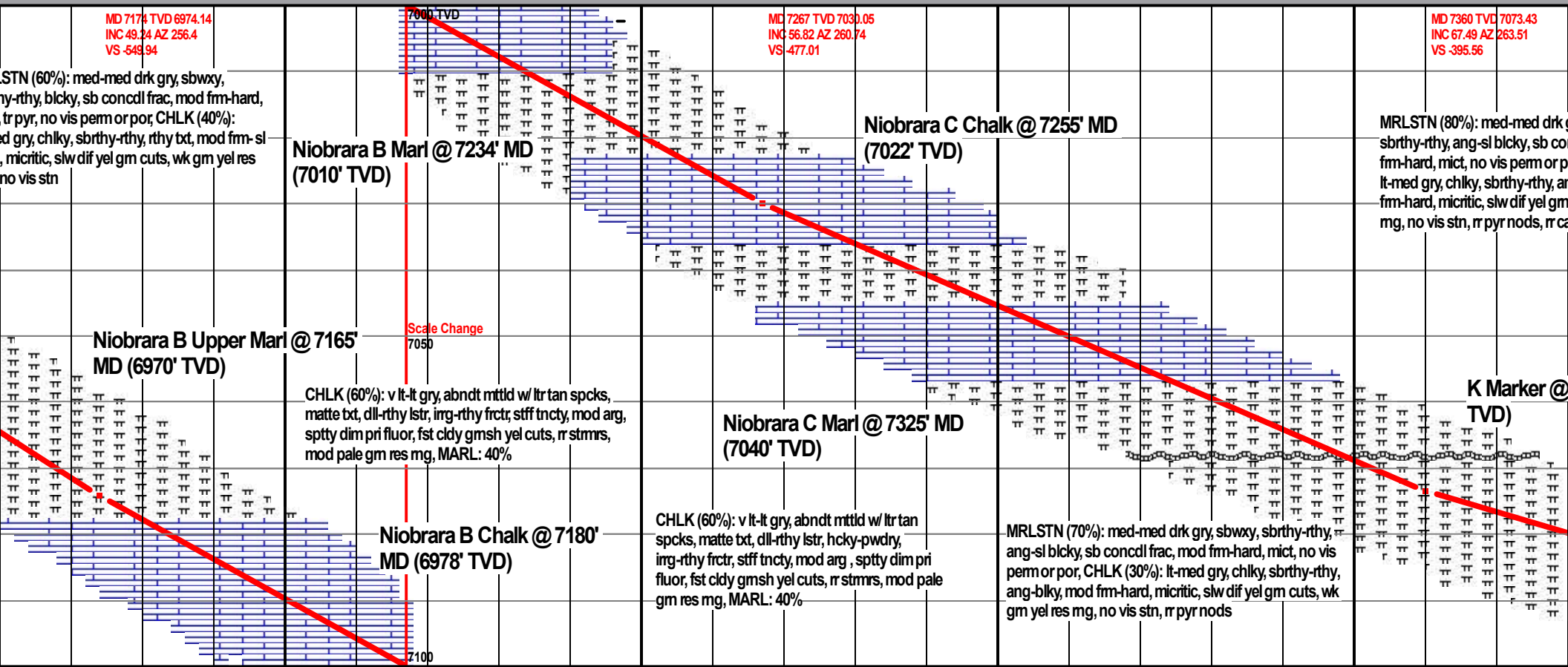
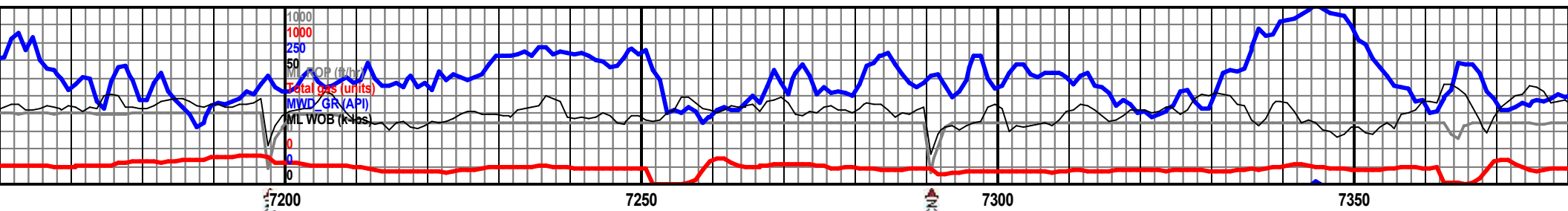
	Core
	Dst

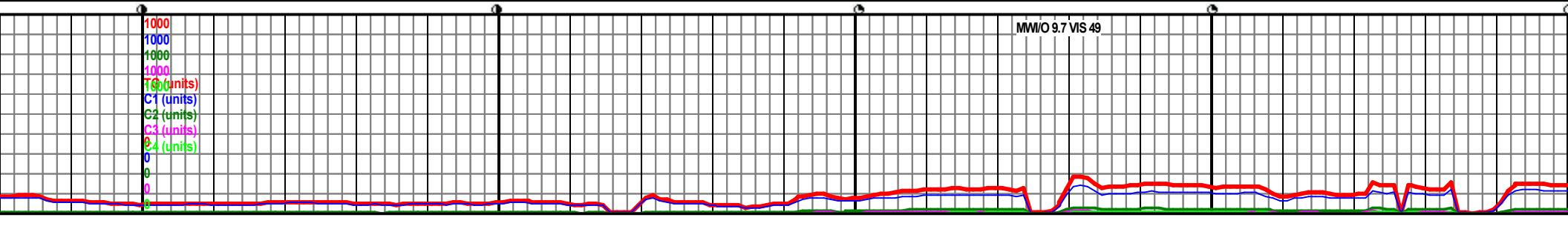
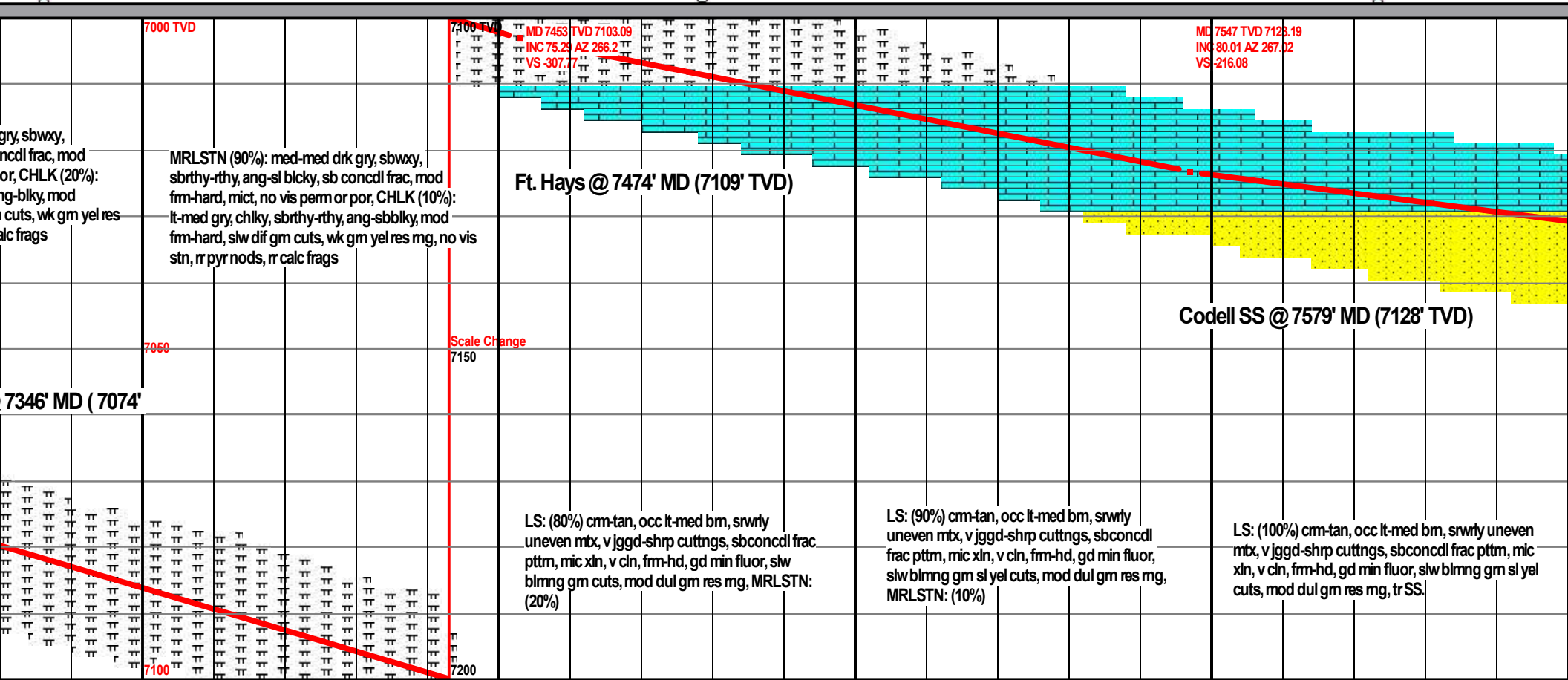
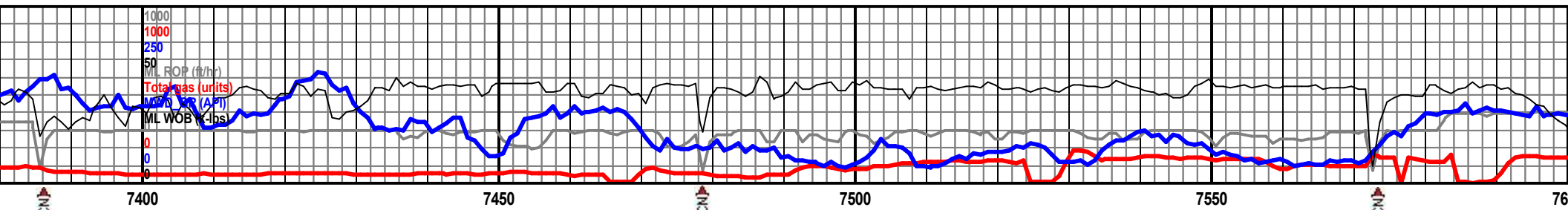
EVENTS

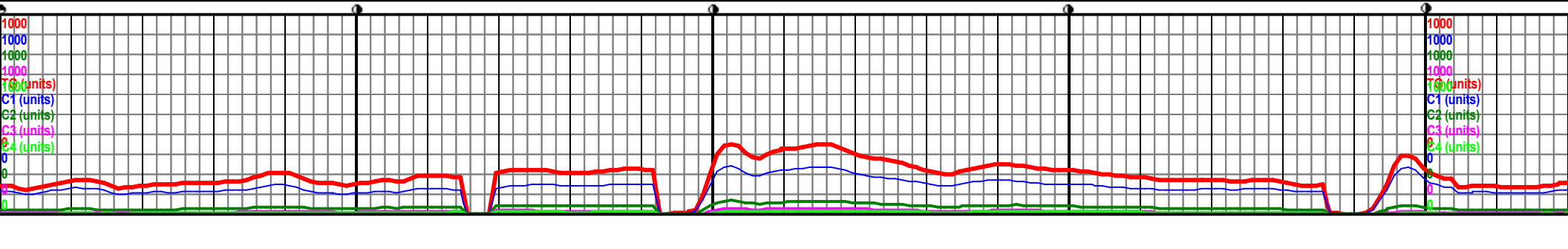
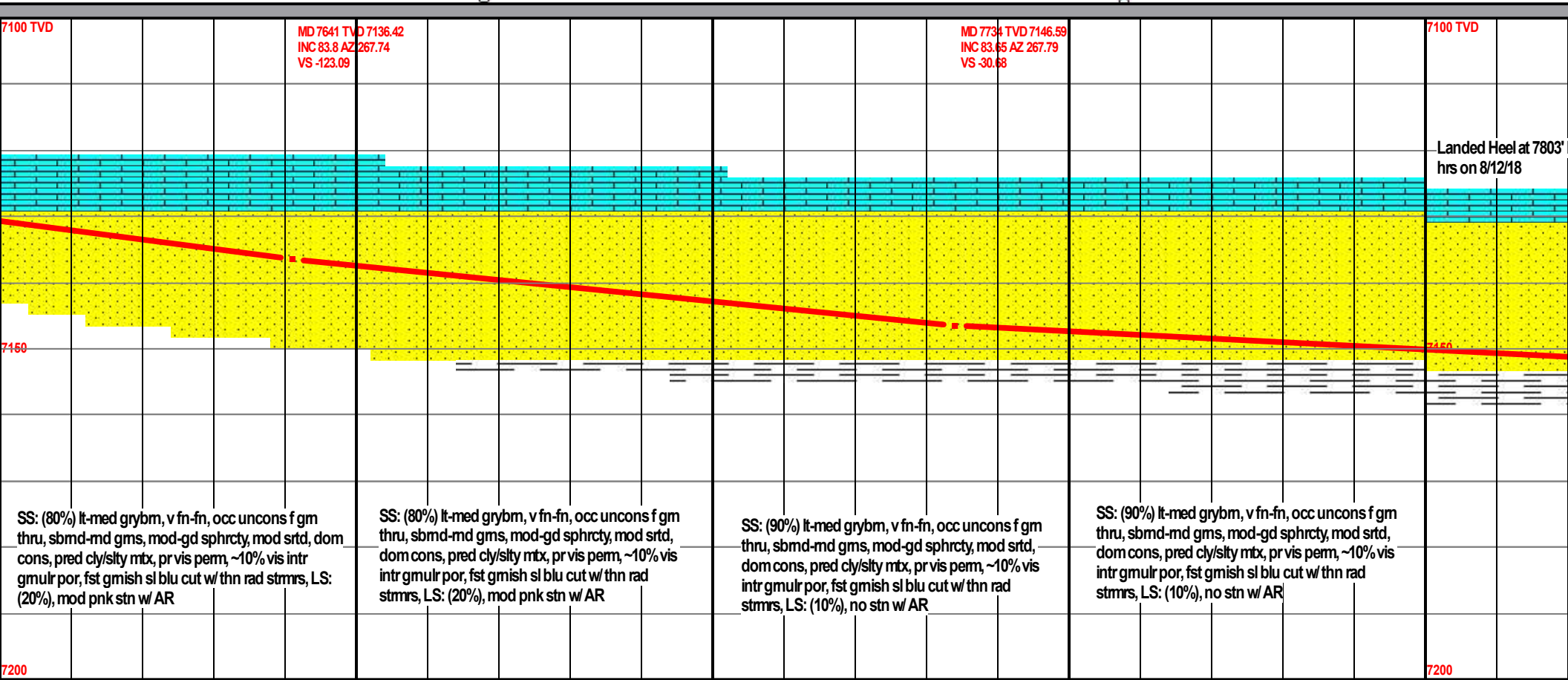
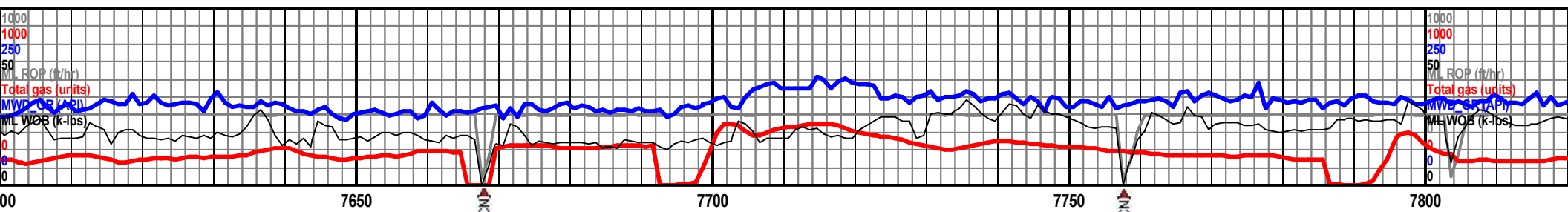
	Casing shoe_hzl
	Trip_point_1
	Off bottom
	conn
	Survey(mwd)
	Survey(red)
	bit

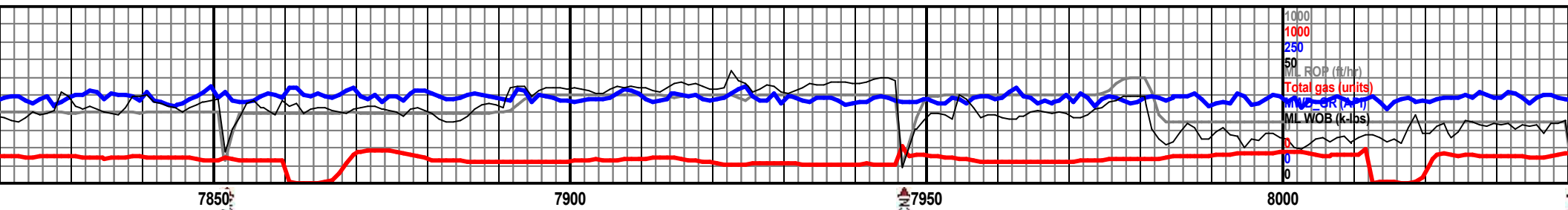










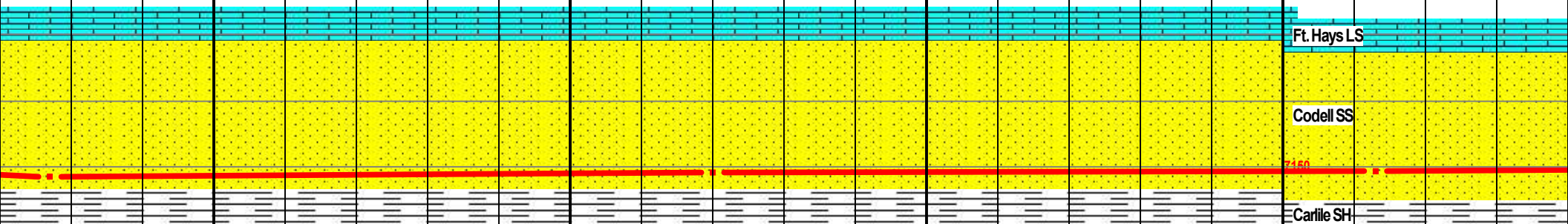


MD 7827 TVD 7151.41
INC 90.4 AZ 269.61
VS 62.13

MD 7920 TVD 7150.91
INC 90.22 AZ 269.02
VS 155.13

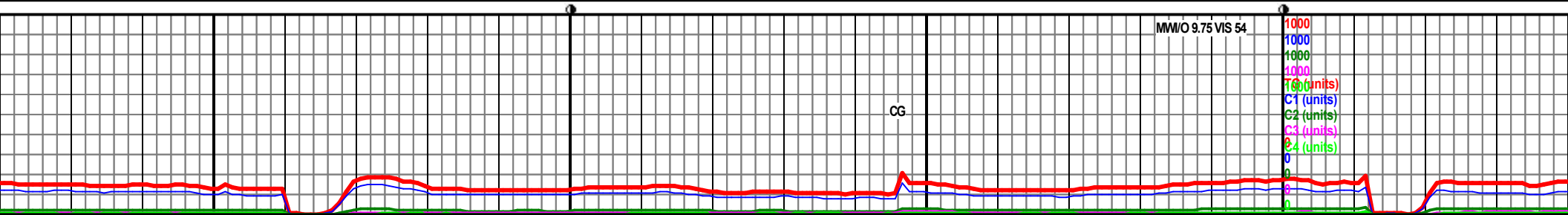
MD 8013 TVD 7150.58
INC 90.18 AZ 269.2
VS 248.18

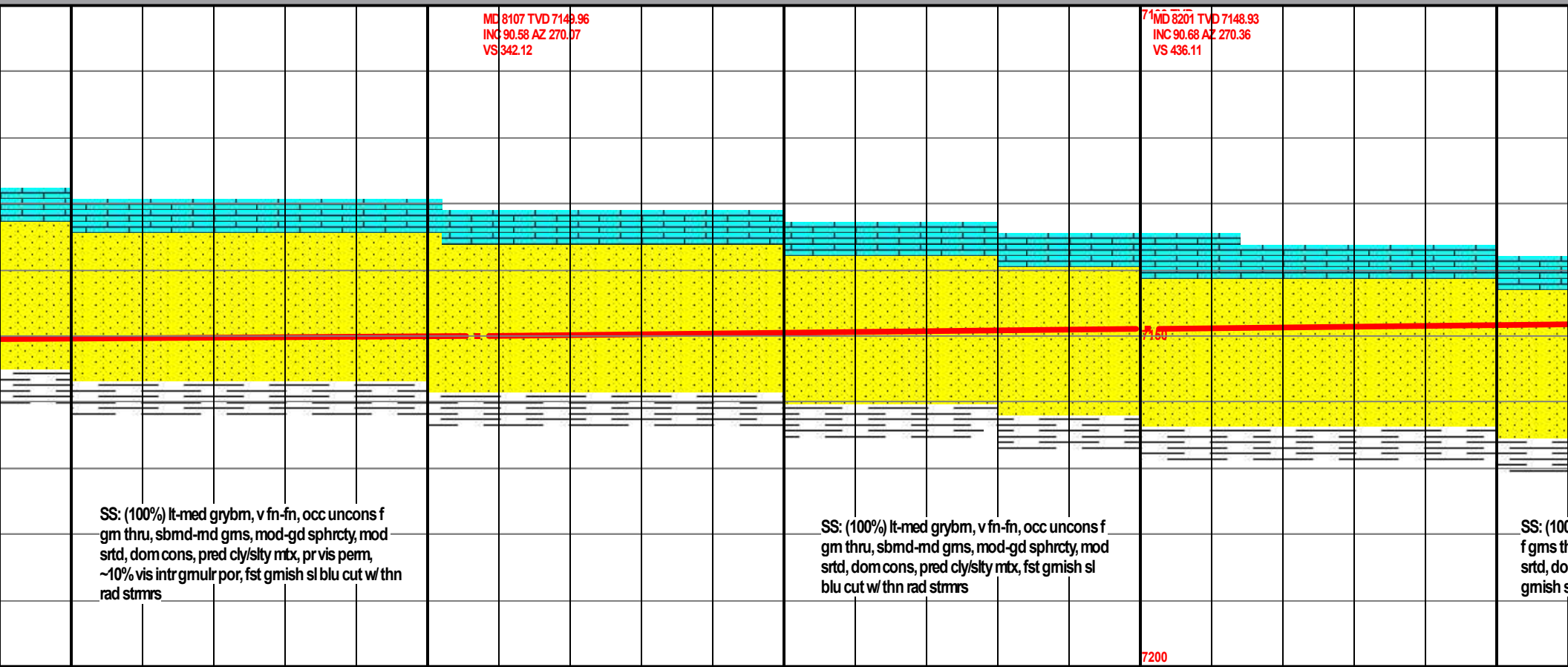
MD (7151' TVD), at 19:29

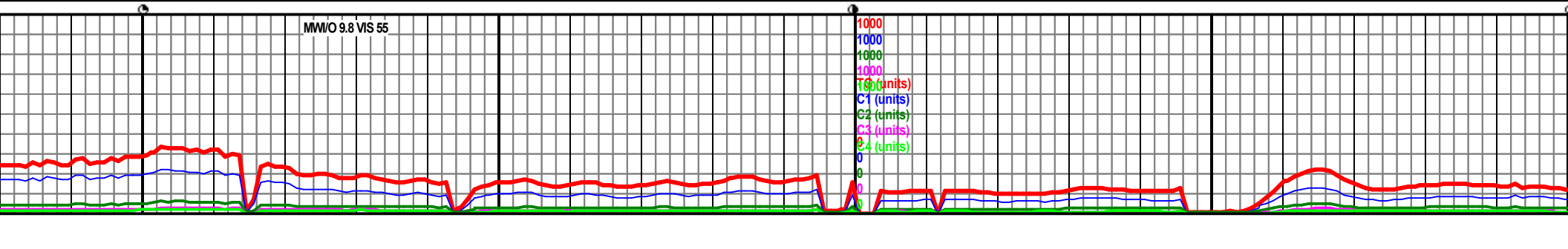
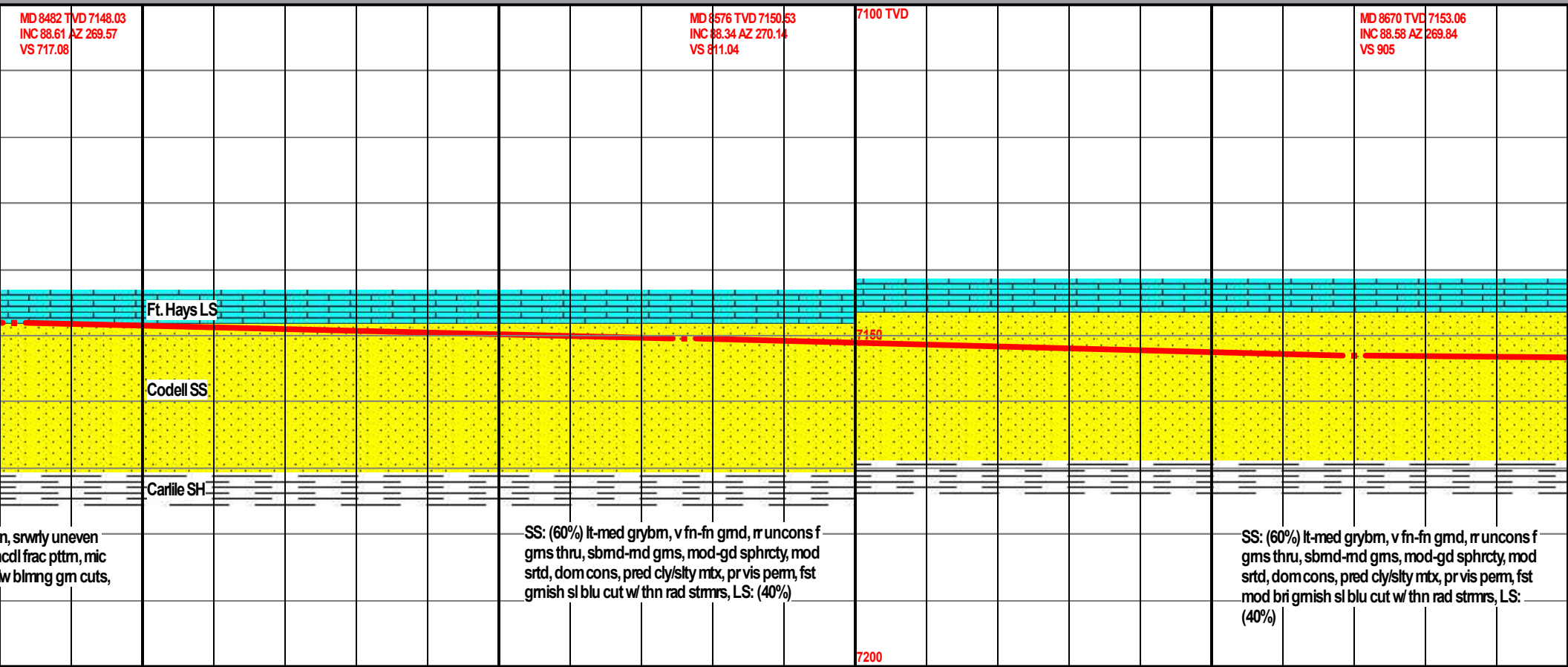
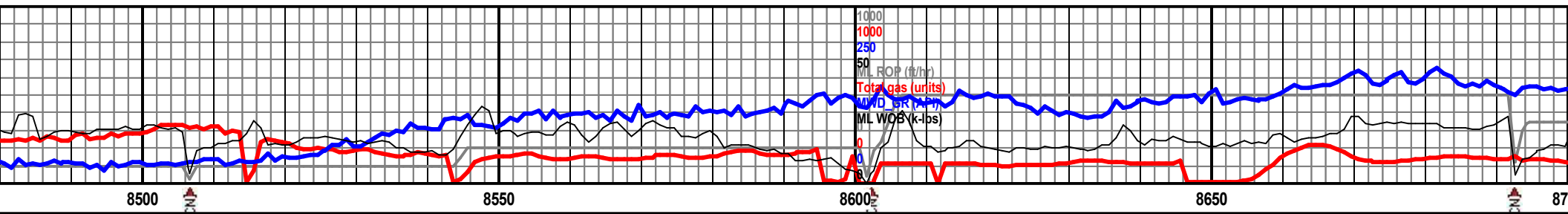


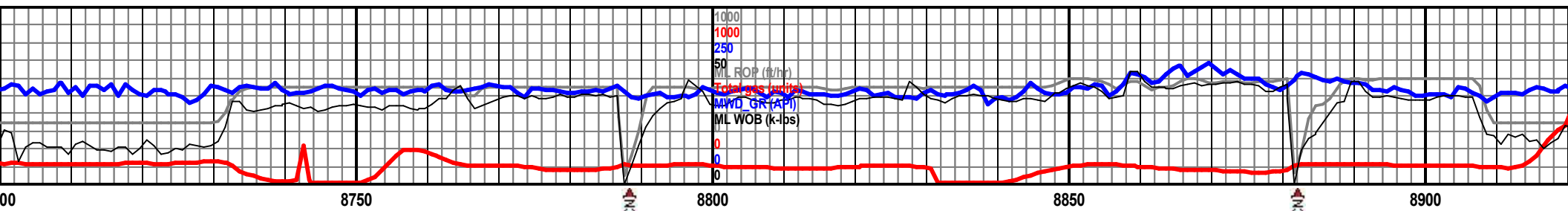
SS: (100%) lt-med grybm, v fn-fn, occ unconcs f gm thru, sbmd-md gms, mod-gd sphrcty, mod srted, dom cons, pred cly/sity mtx, pr vis perm, ~10% vis intr gmulr por, fst gmish sl blu cut w/ thn rad stmrs, tr LS

SS: (100%) lt-med grybm, v fn-fn, occ unconcs f gm thru, sbmd-md gms, mod-gd sphrcty, mod srted, dom cons, pred cly/sity mtx, pr vis perm, ~10% vis intr gmulr por, fst gmish sl blu cut w/ thn rad stmrs, tr LS





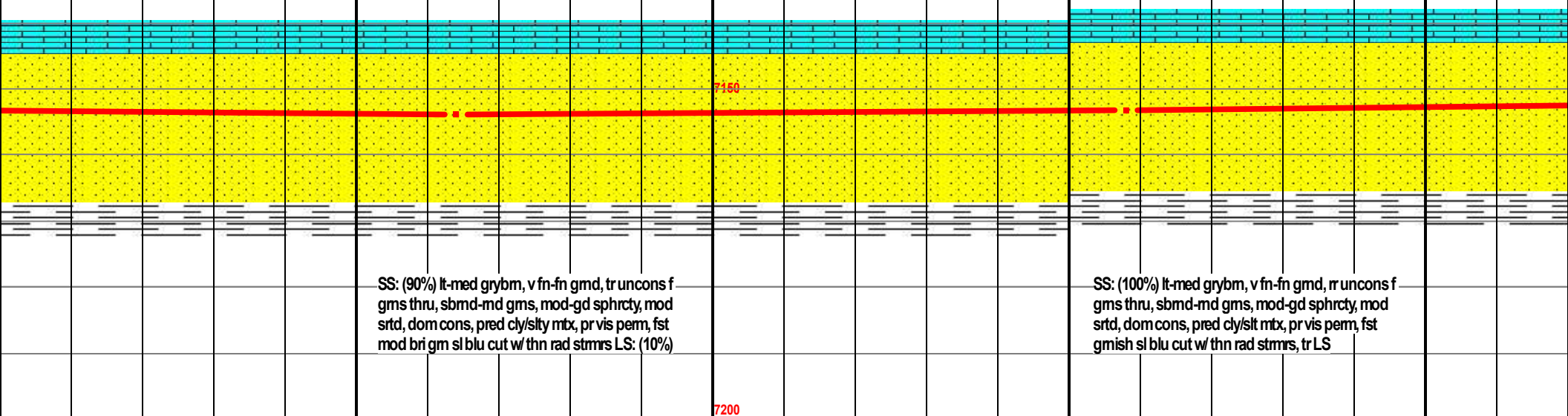




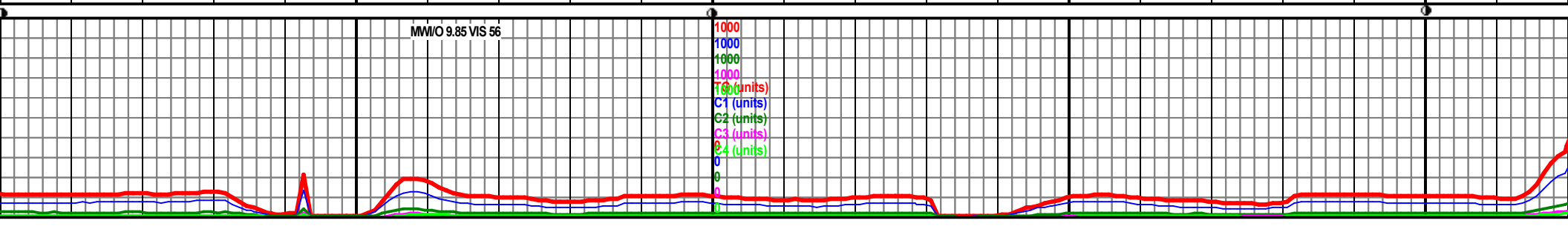
MD 8764 TVD 7153.92
INC 90.37 AZ 270.76
VS 998.88

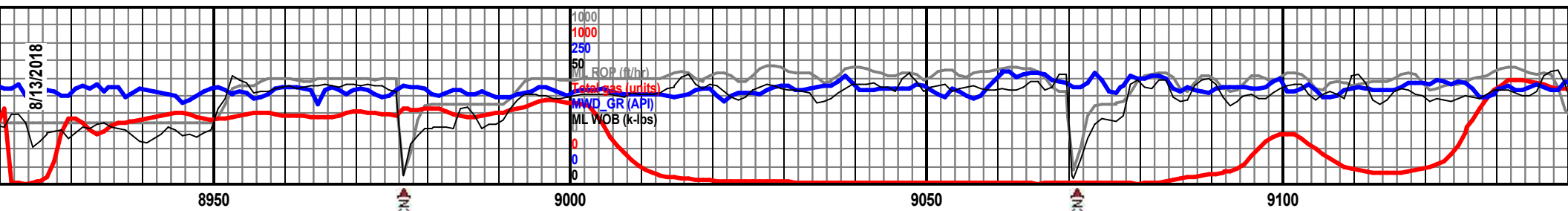
7100 TVD

MD 8858 TVD 7153.14
INC 90.58 AZ 271.97
VS 1092.92



MM/O 9.85 VIS 56

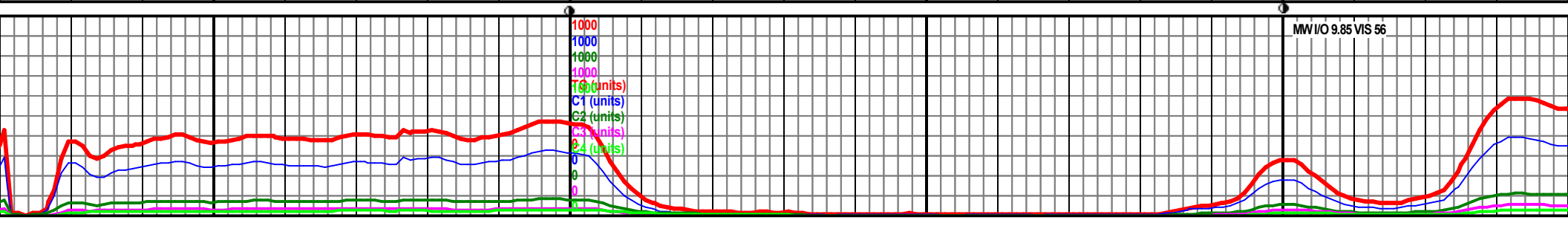
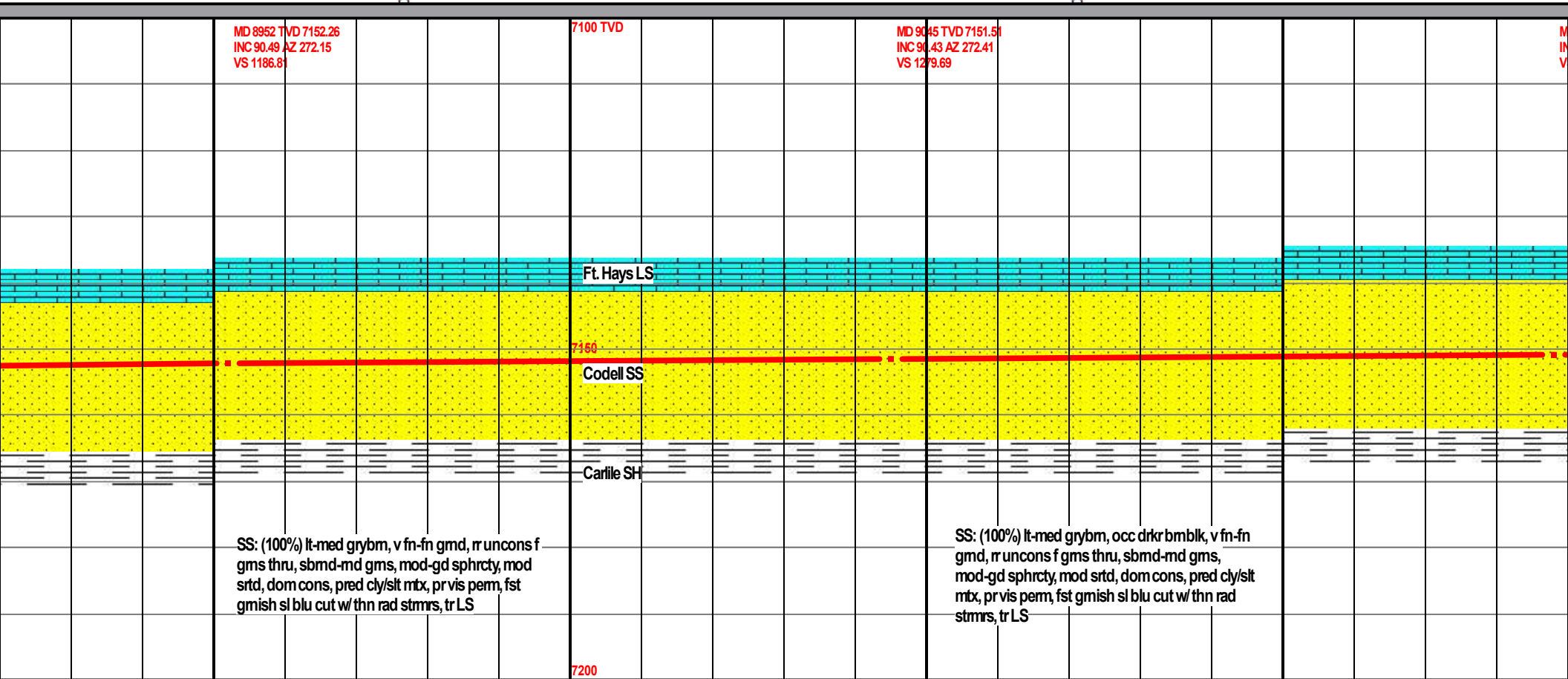


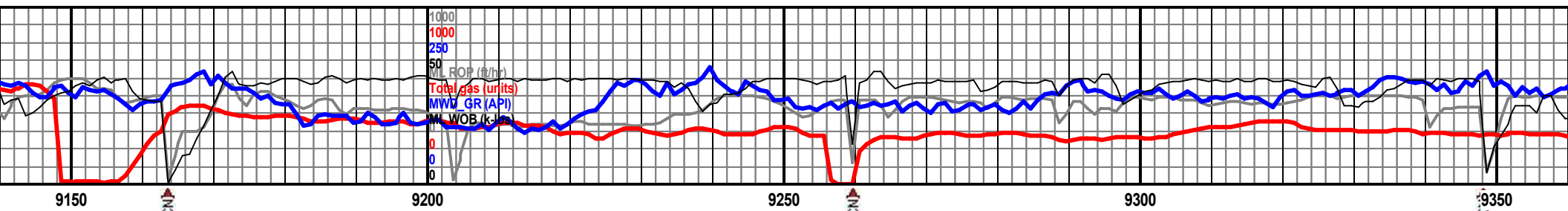


MD 8952 TVD 7152.26
INC 90.49 AZ 272.15
VS 1186.81

7100 TVD

MD 9045 TVD 7151.51
INC 90.43 AZ 272.41
VS 1279.69





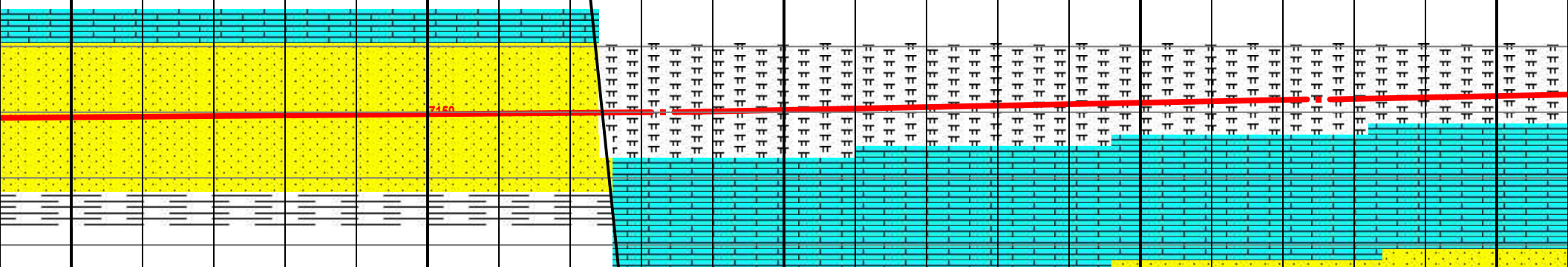
D 9138 TVD 7150.84
C 90.4 AZ 270.46
S 1372.62

7100 TVD

MD 9233 TVD 7150.05
INC 90.53 AZ 270.01
VS 1467.51

MD 9325 TVD 7148.05
INC 91.94 AZ 271.27
VS 1559.56

Fault #2 @ 9224' MD, ~45' Down

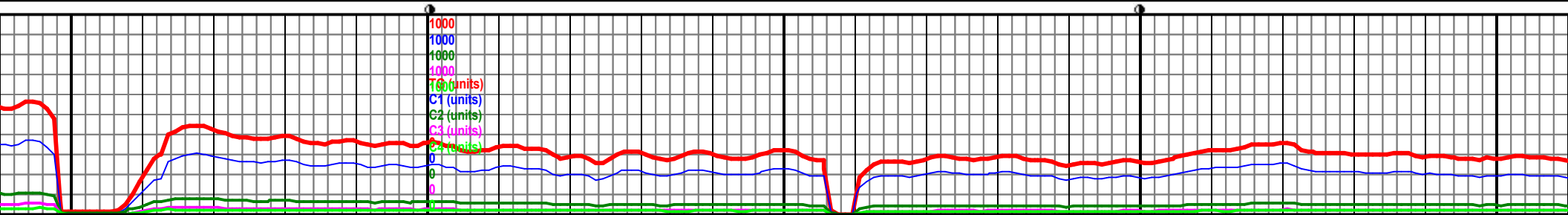


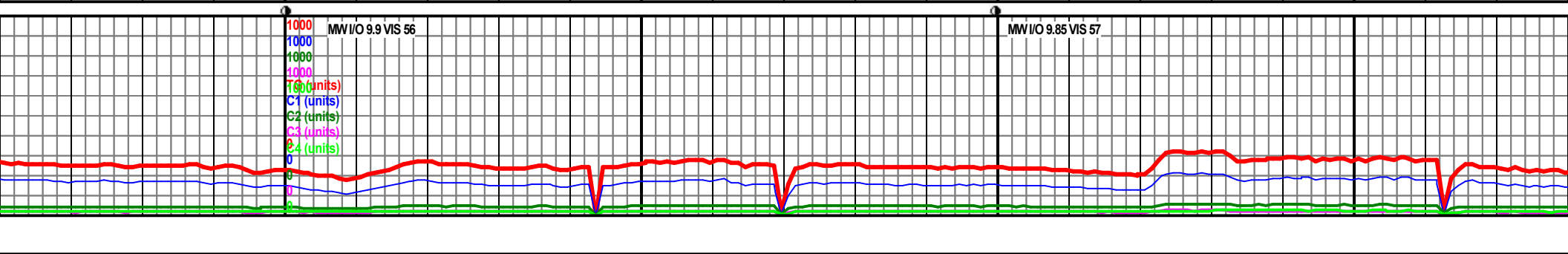
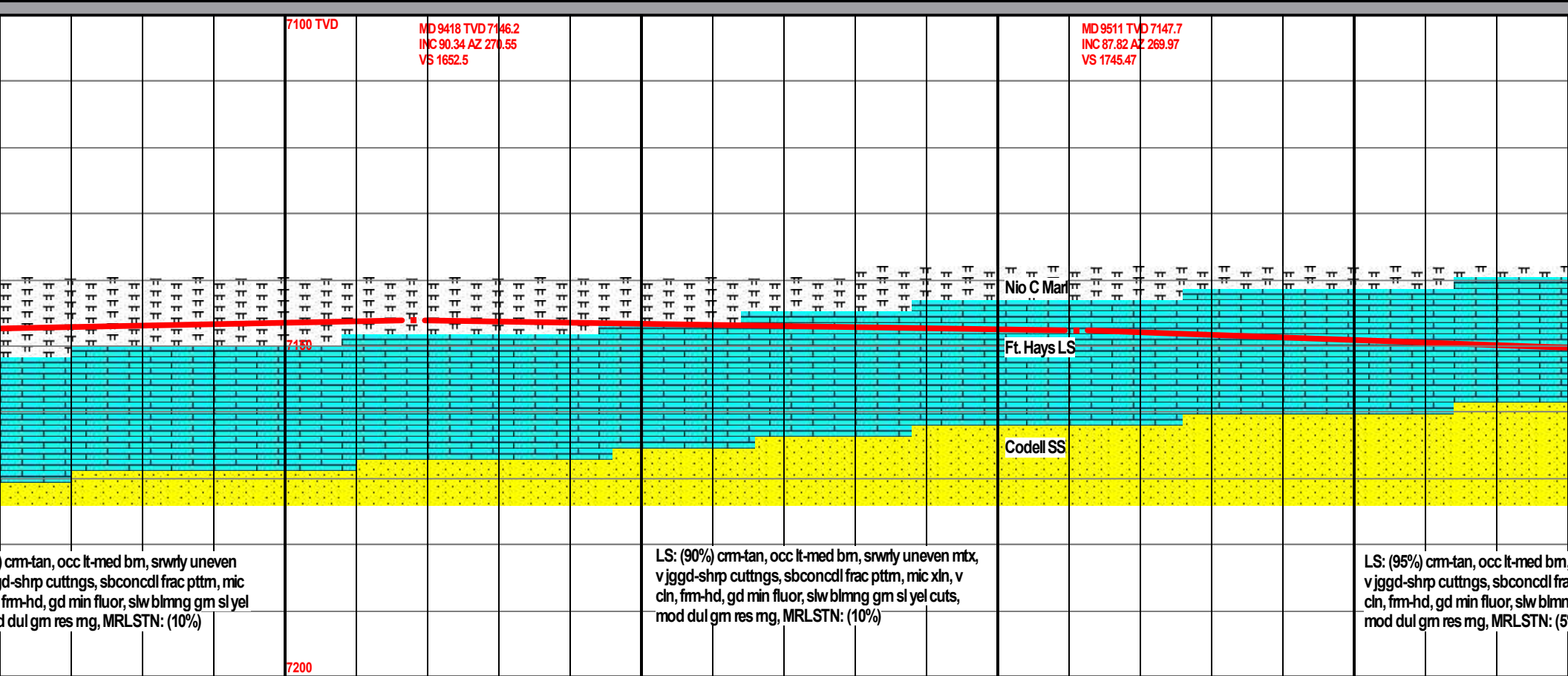
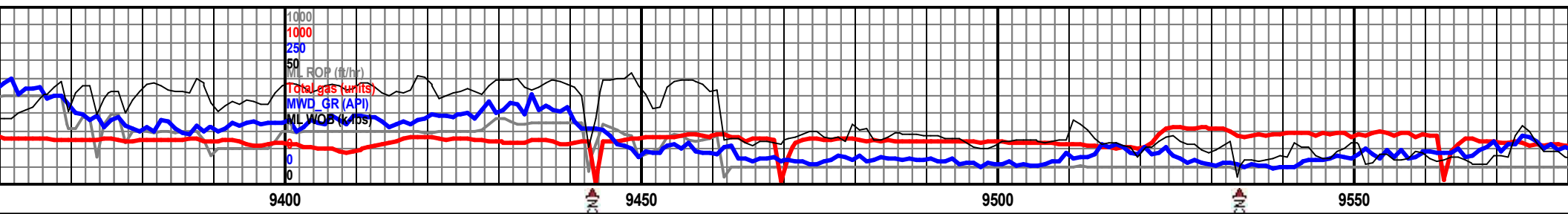
SS: (100%) lt-med grybm, occ drkr bmbk, v fn-fn
gmd, r unconfs f gms thru, sbmd-md gms,
mod-gd sphrcty, mod srted, dom cons, pred cly/slt
mtx, pr vis perm, fst gmish sl blu cut w/ thn rad
stmrs, com LS, occ frac fill

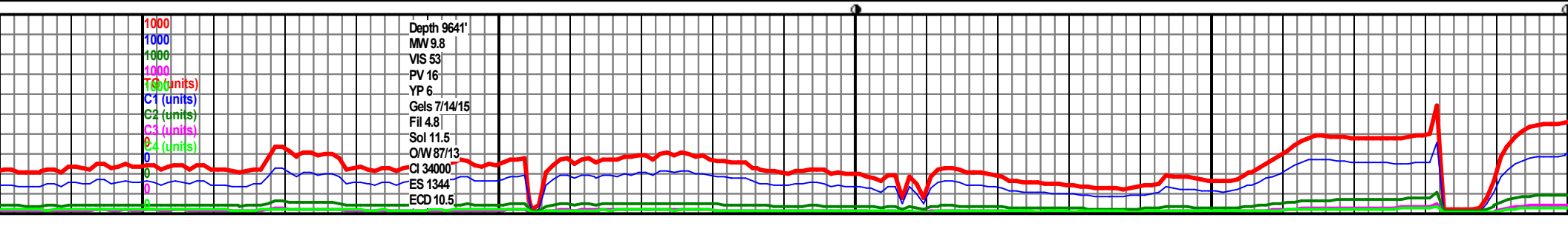
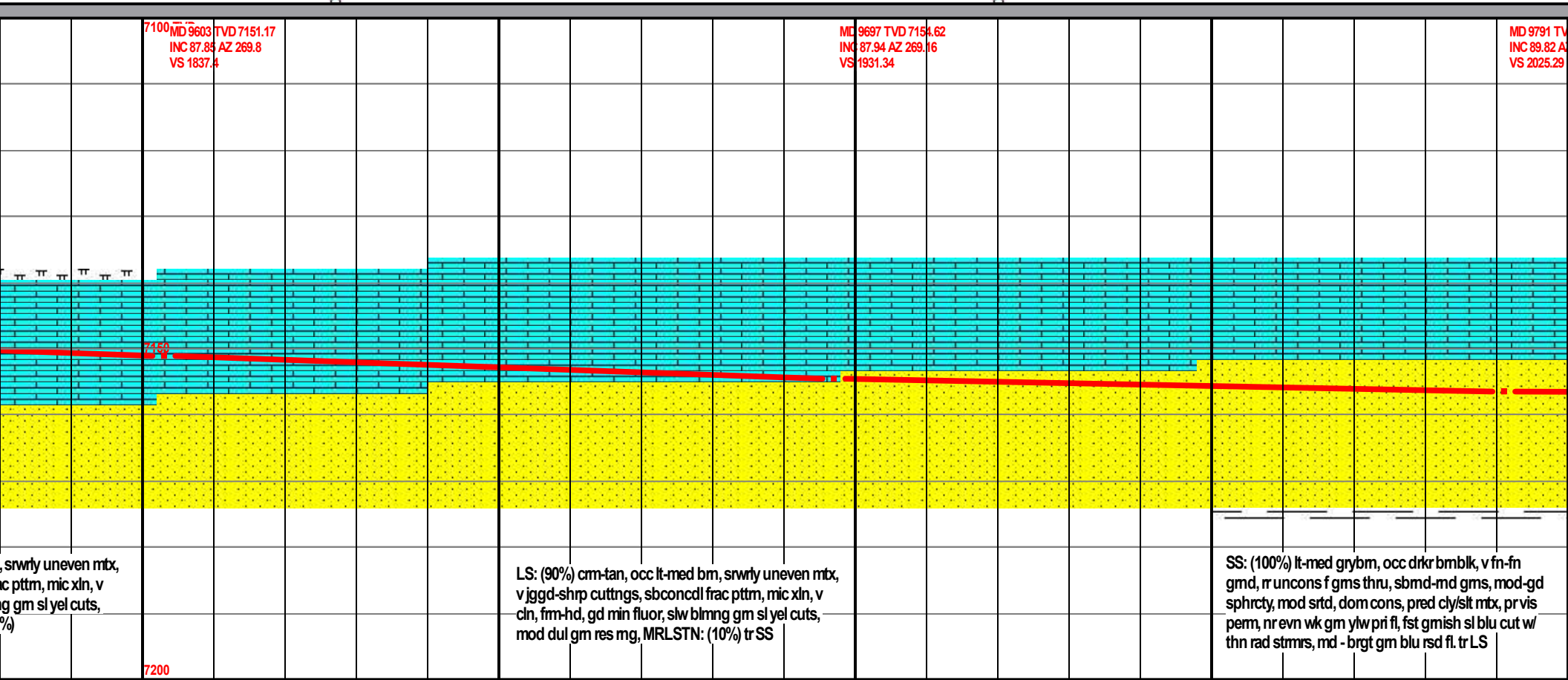
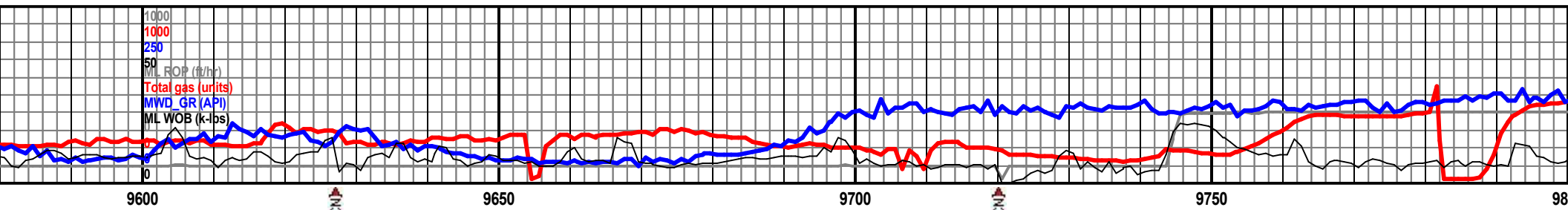
MRLSTN (70%): med drk gry - gry blk, sbwxy,
sbrthy-rthy, ang-sl bckky, sb concdl frac, mod frm-hard,
mict, no vis perm or por, CHLK (30%): lt-med gry, chky,
sbrthy-rthy, ang-sbbkky, mod frm-hard, fst gm blu ct fl,
md gm res mg fl, no vis stn.
tr pryt

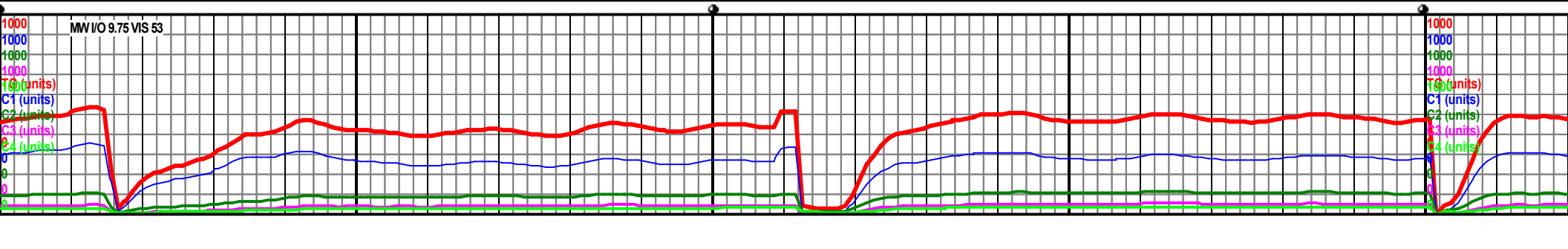
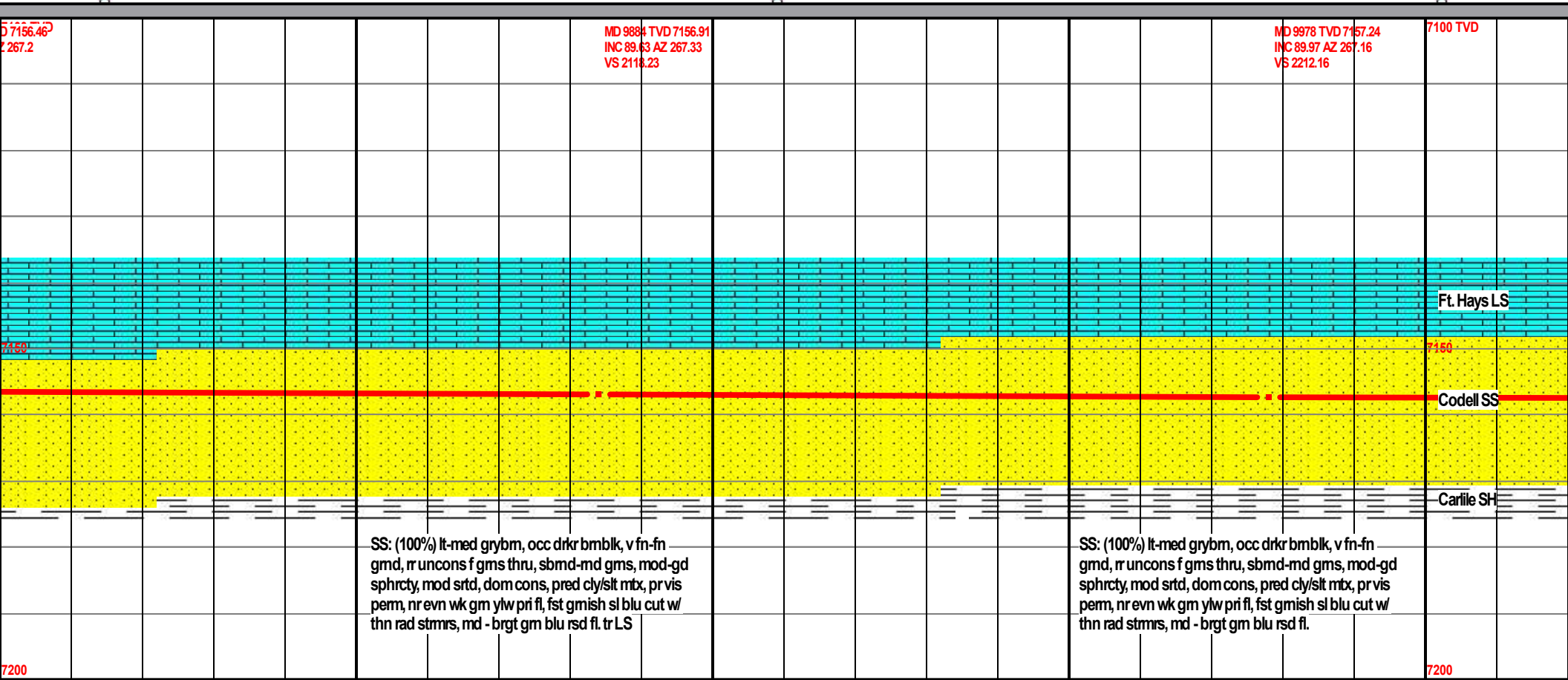
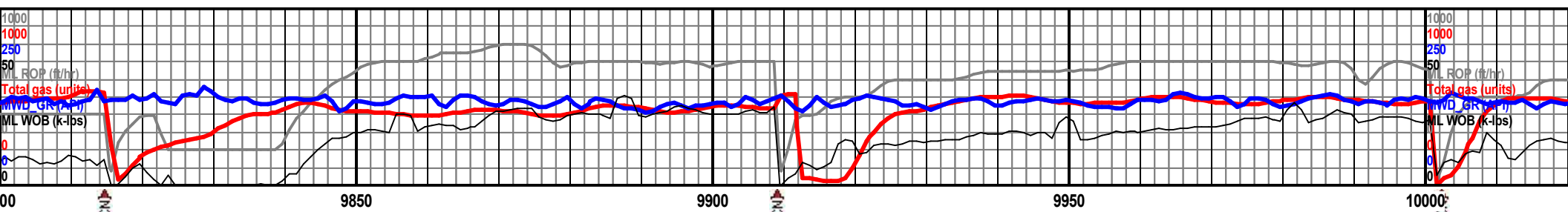
LS: (90%)
mtx, v jgg
xin, v cln,
cuts, mod

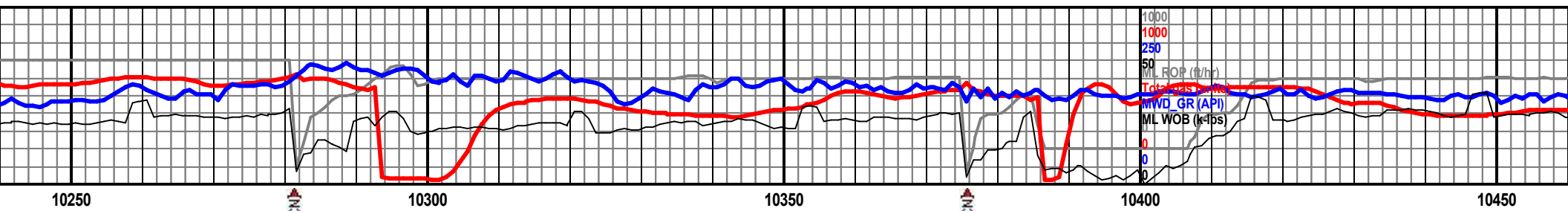
7200









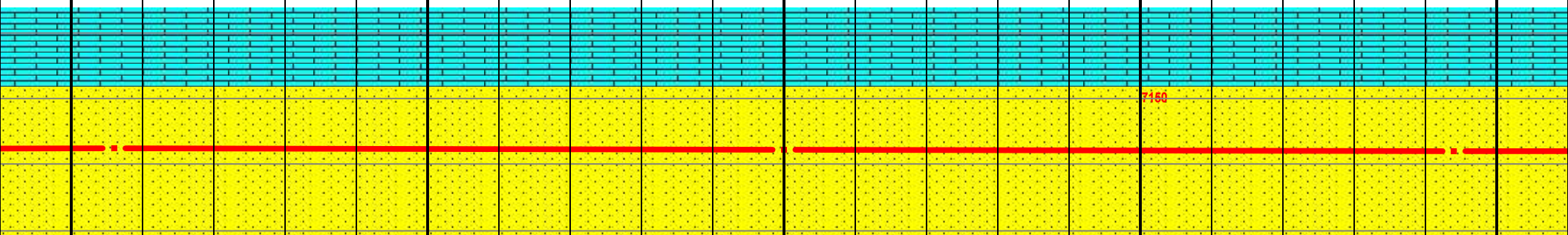


MD 10256 TVD 7157.64
INC 90.09 AZ 269.28
VS 2490

MD 10350 TVD 7157.69
INC 89.85 AZ 270.54
VS 2583.99

7100 TVD

MD 10444 TVD 7157.8
INC 89.91 AZ 271.63
VS 2677.95

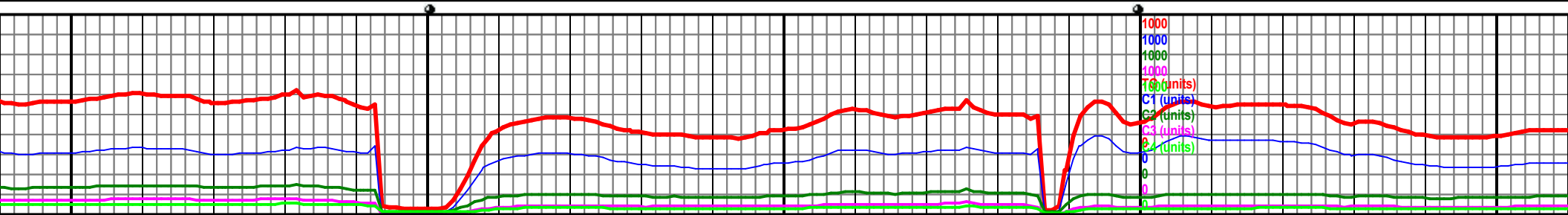


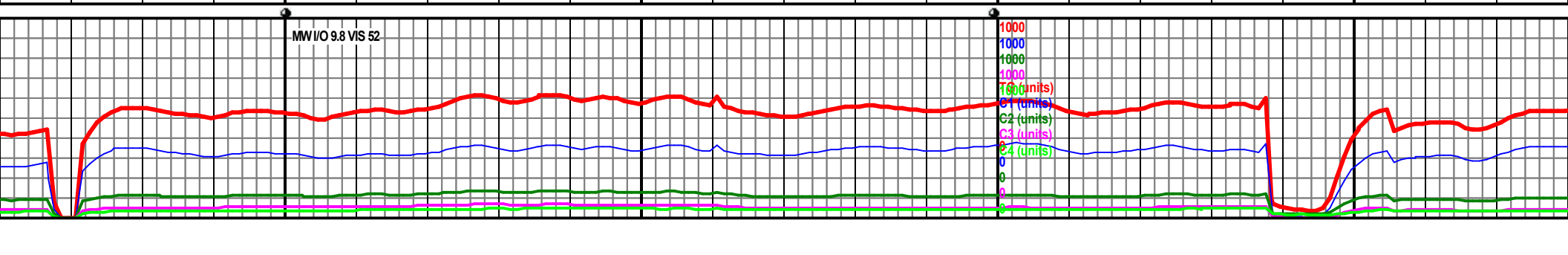
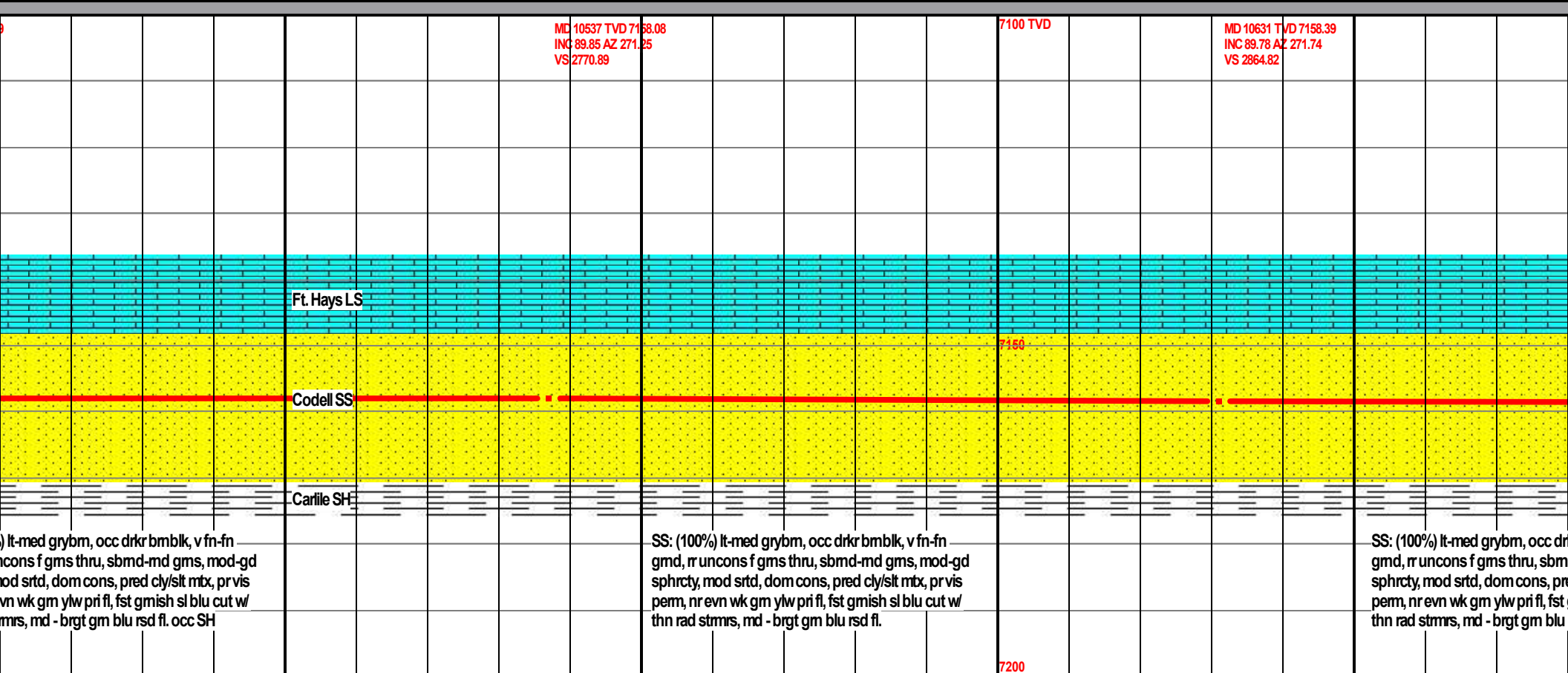
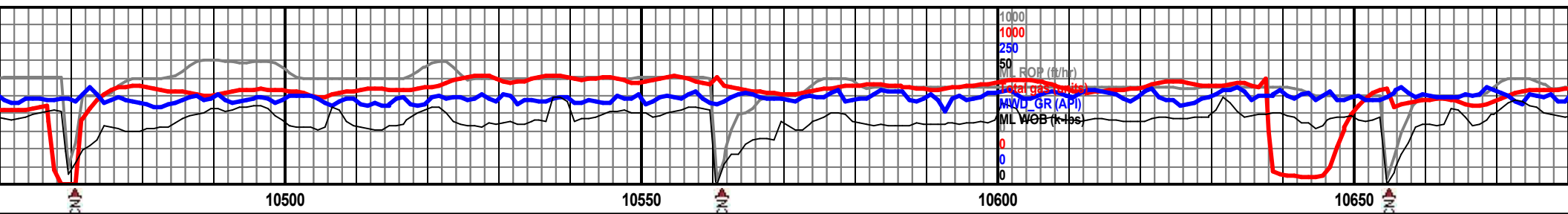
SS: (100%) lt-med grybm, occ drkr bmbk, v fn-fn
gmd, rr unconfs f gms thru, sbmd-md gms,
mod-gd sphrcty, mod srted, dom cons, pred cly/slt
mtx, pr vis perm, nr evn wk gm ylw pri fl, fst gmish sl
blu cut w/ thn rad stmrs, md - brgt gm blu rsd fl.
com SH

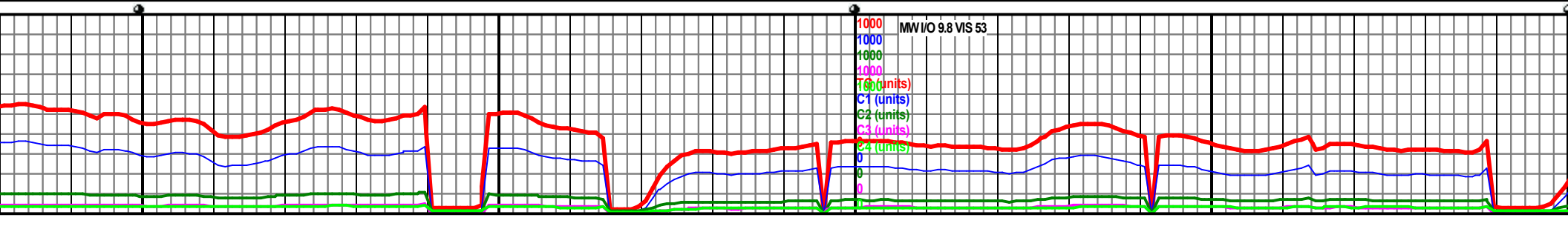
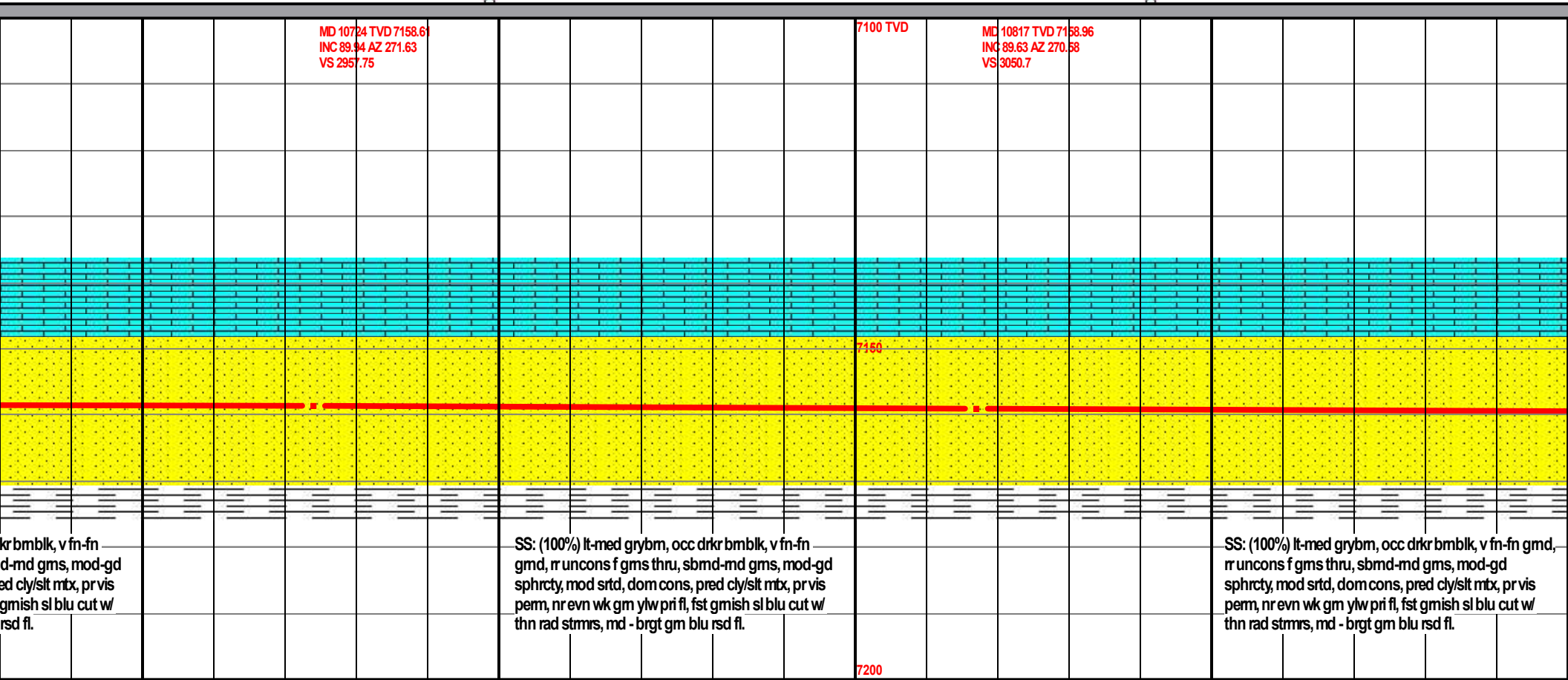
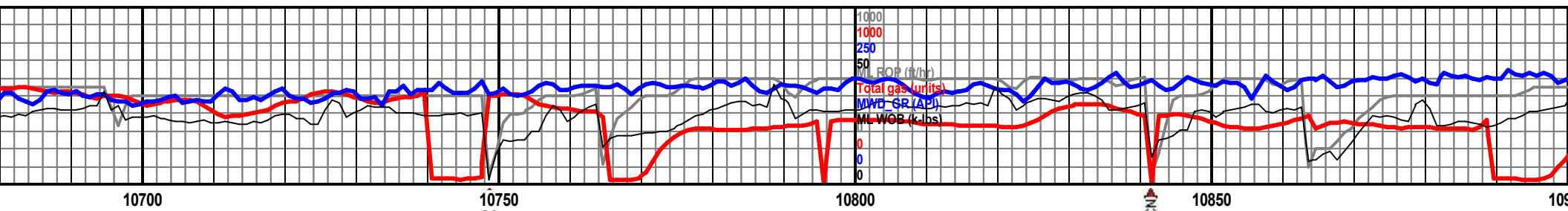
SS: (100%) lt-med grybm, occ drkr bmbk, v fn-fn
gmd, rr unconfs f gms thru, sbmd-md gms, mod-gd
sphrcty, mod srted, dom cons, pred cly/slt mtx, pr vis
perm, nr evn wk gm ylw pri fl, fst gmish sl blu cut w/
thn rad stmrs, md - brgt gm blu rsd fl. com SH

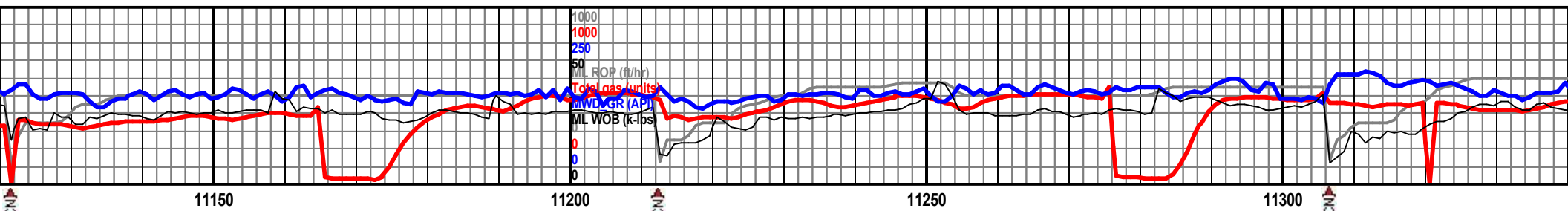
7200

SS: (100%) lt-med grybm, occ drkr bmbk, v fn-fn
gmd, rr unconfs f gms thru, sbmd-md gms, mod-gd
sphrcty, mod srted, dom cons, pred cly/slt mtx, pr vis
perm, nr evn wk gm ylw pri fl, fst gmish sl blu cut w/
thn rad stmrs, md - brgt gm blu rsd fl. com SH



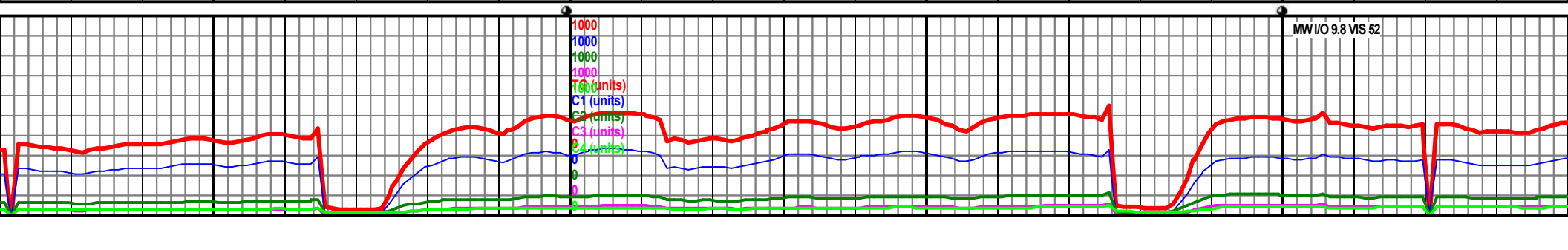
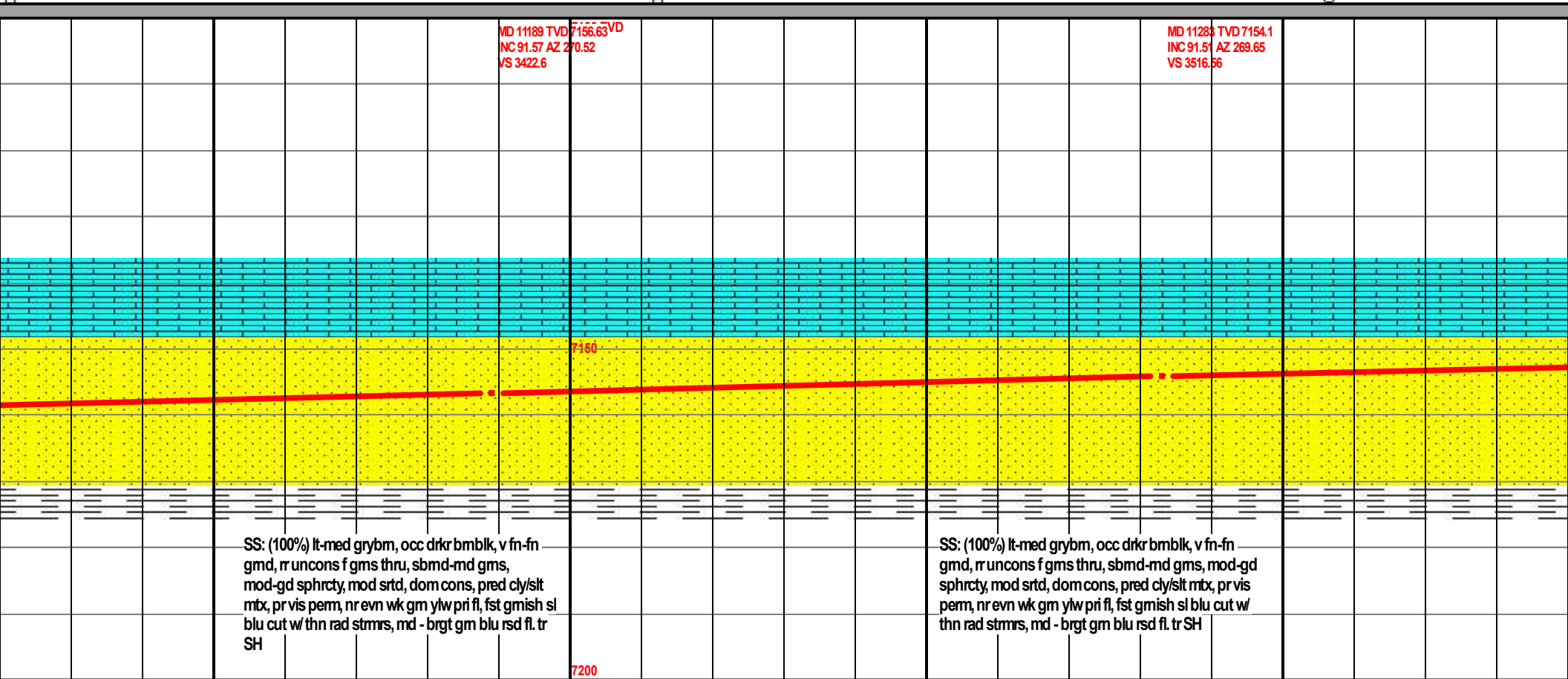


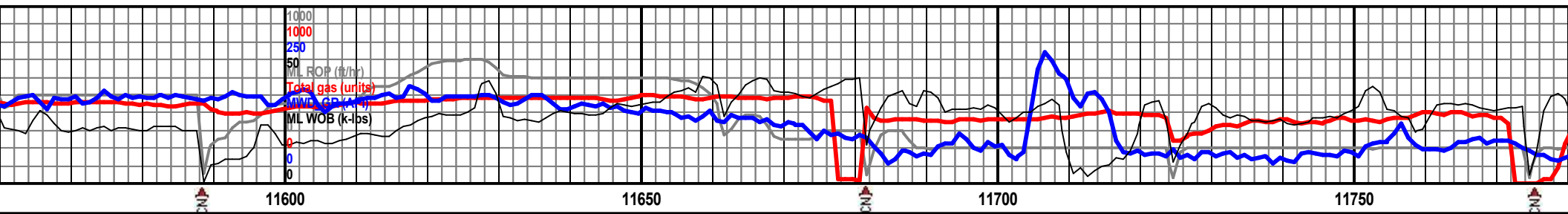




MD 11189 TVD 7156.63 VD
INC 91.57 AZ 270.52
VS 3422.6

MD 11283 TVD 7154.1
INC 91.51 AZ 269.65
VS 3516.56



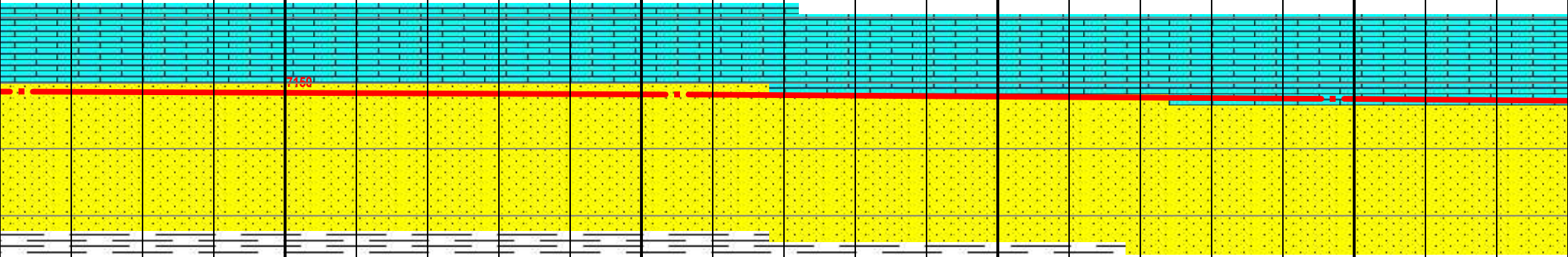


MD 11563 TVD 7151.39
INC 89.68 AZ 269.5
VS 3796.51

7100 TVD

MD 11655 TVD 7151.78
INC 89.85 AZ 269.07
VS 3888.51

MD 11747 TVD 7152.29
INC 89.51 AZ 268.98
VS 3980.51

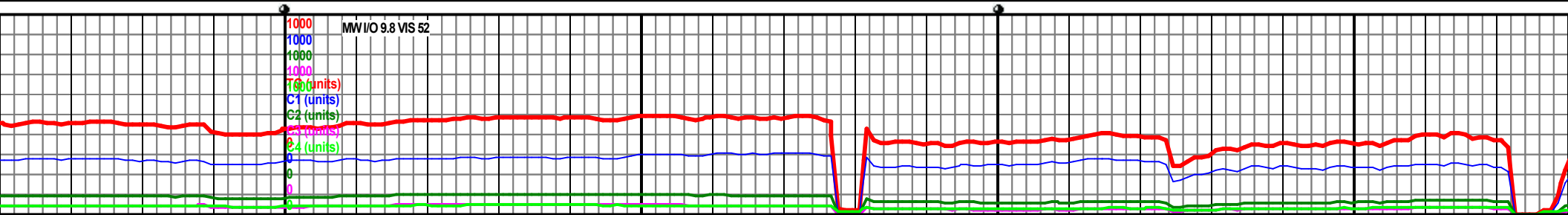


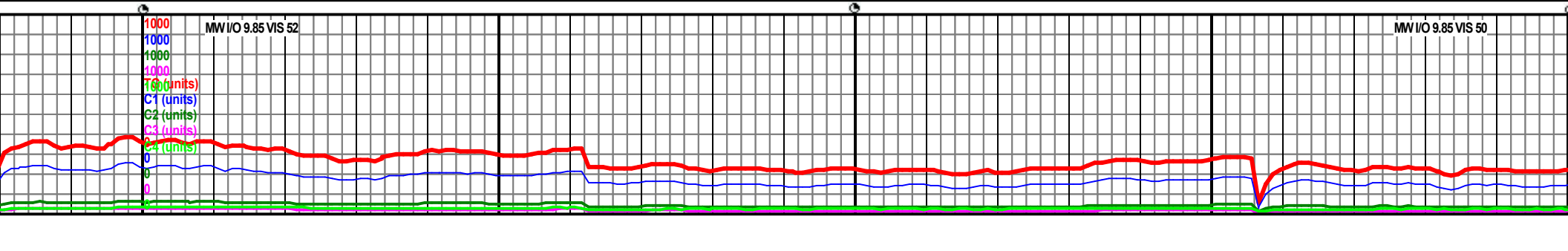
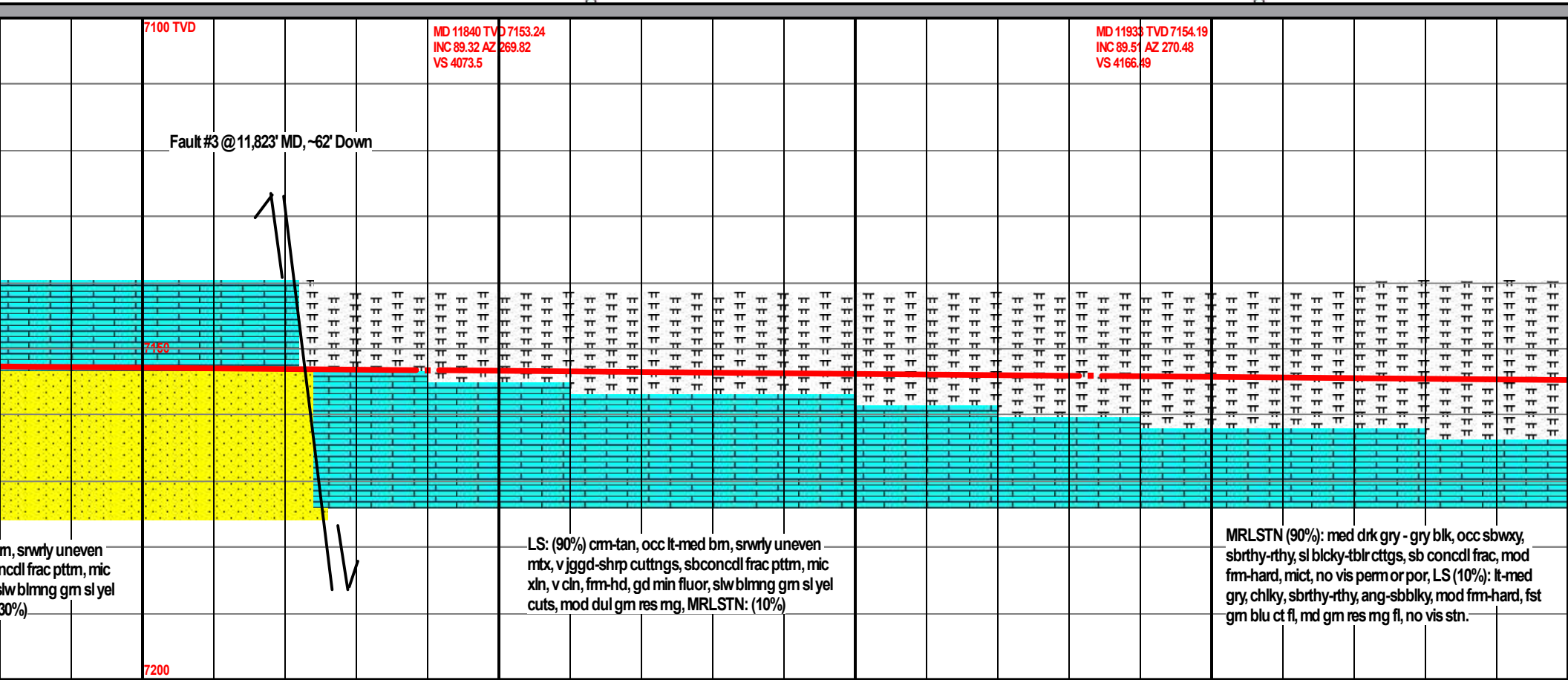
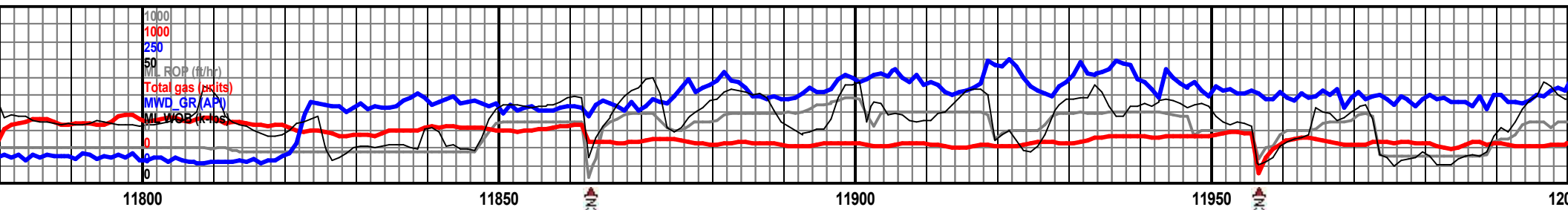
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uncons f gms thru, sbmd-md gms, mod-gd
mod srtd, dom cons, pred cly/slt mtb, pr vis
evn wk gm ylw pri fl, fst gmish sl blu cut w/
stmrs, md - brgt gm blu rsd fl. tr SH

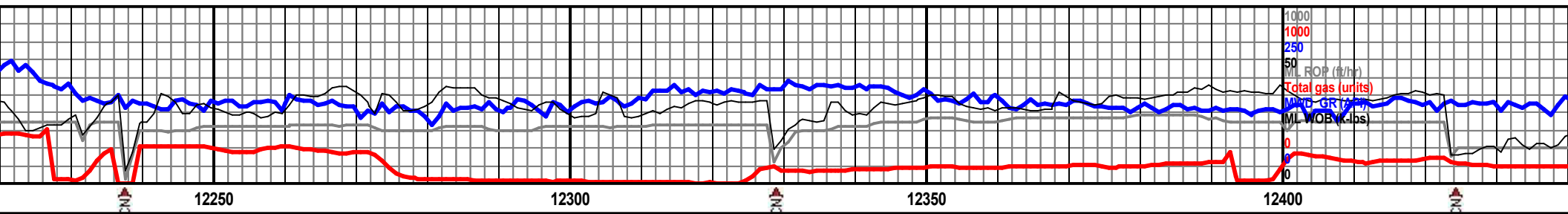
SS: (90%) lt-med grybm, occ drkr bmbk, v fn-fn
gmd, rr uncons f gms thru, sbmd-md gms,
mod-gd sphrcty, mod srtd, dom cons, pred cly/slt
mtb, pr vis perm, n evn wk gm ylw pri fl, fst gmish sl
blu cut w/ thn rad stmrs, md - brgt gm blu rsd fl.
LS: (10%)

LS: (70%) cm-tan, occ lt-med b
mtb, v jggd-shrp cuttngs, sbco
xln, v cln, frm-hd, gd min fluor, s
cuts, mod dul gm res mg, SS: (

7200



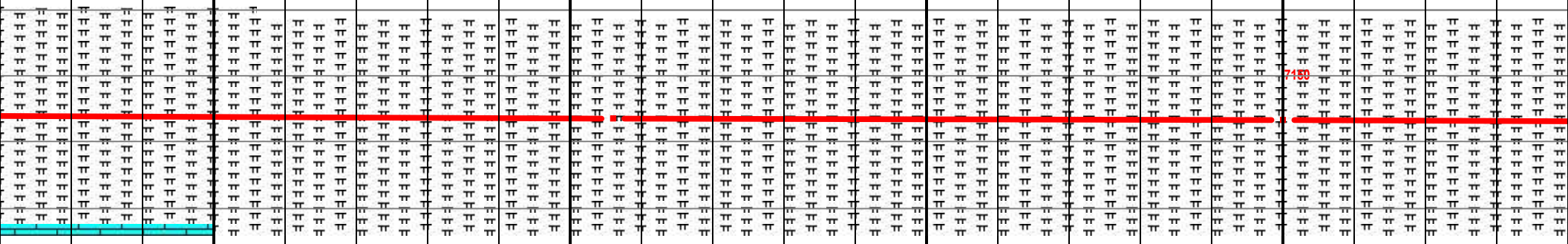




TVD 7156.09
AZ 269.23
7

MD 12306 TVD 7156.38
INC 89.82 AZ 269.16
VS 4539.46

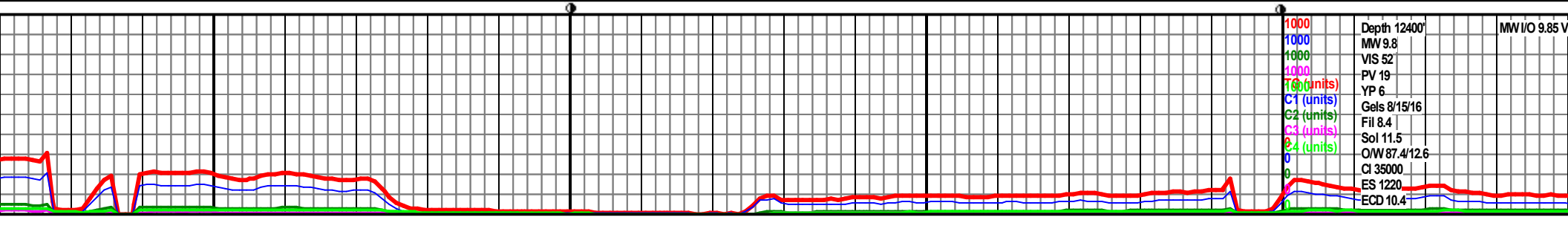
MD 12400 TVD 7156.76
INC 89.72 AZ 271.47
VS 4633.45



MRLSTN (90%): med drk gry - gry blk, occ sbwxy,
sbrthy-rthy, sl bckly-tblr ctggs, pred bckly, occ
splntry frac, mod frm-hard, no vis perm or por, slw
clidy gm sl blu ct fl, g sppty gm res mg fl, no vis stn,
CHLK: (10%)

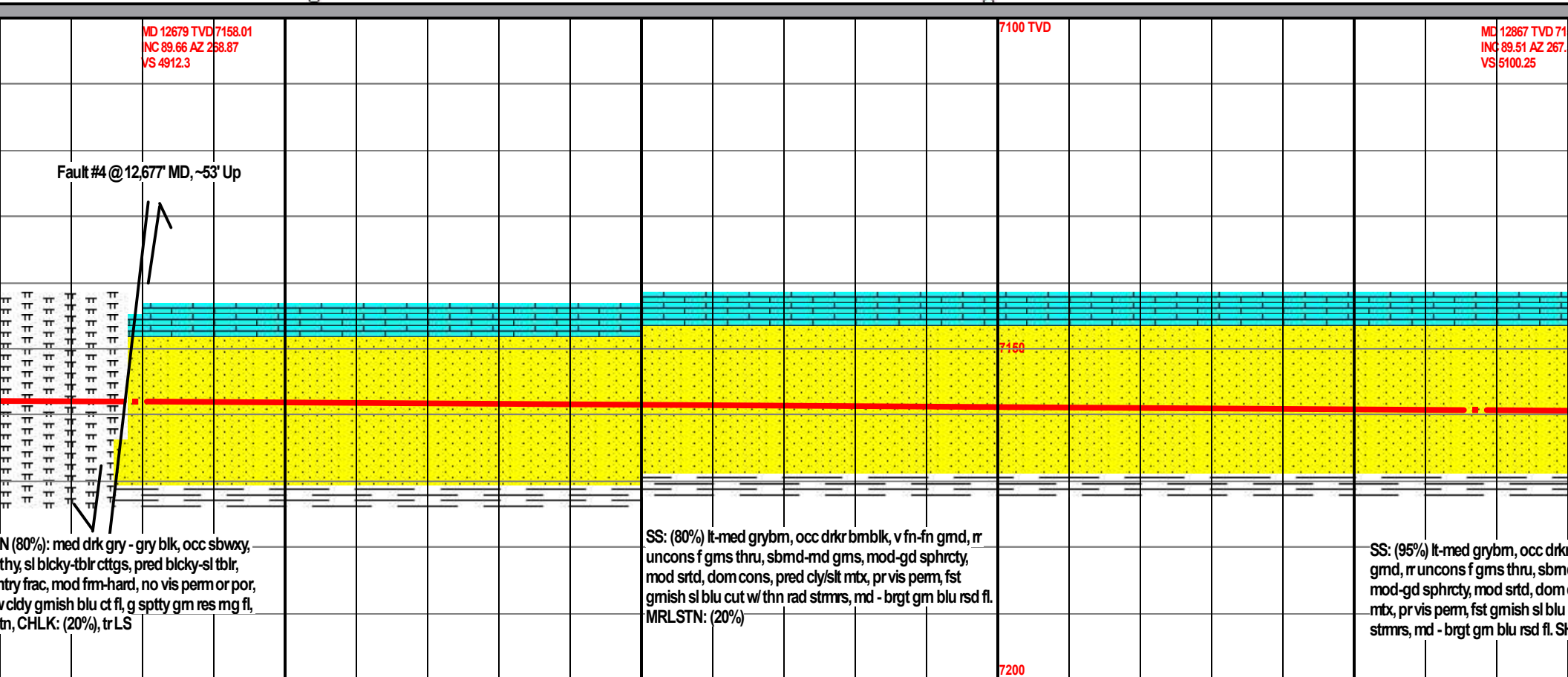
MRLSTN (90%): med drk gry - gry blk, occ sbwxy,
sbrthy-rthy, sl bckly-tblr ctggs, pred bckly-sl tblr, occ
splntry frac, mod frm-hard, no vis perm or por, slw
mlky blmg gmish sl blu ct fl, g sppty gm res mg fl,
no vis stn, CHLK: (10%), tr LS

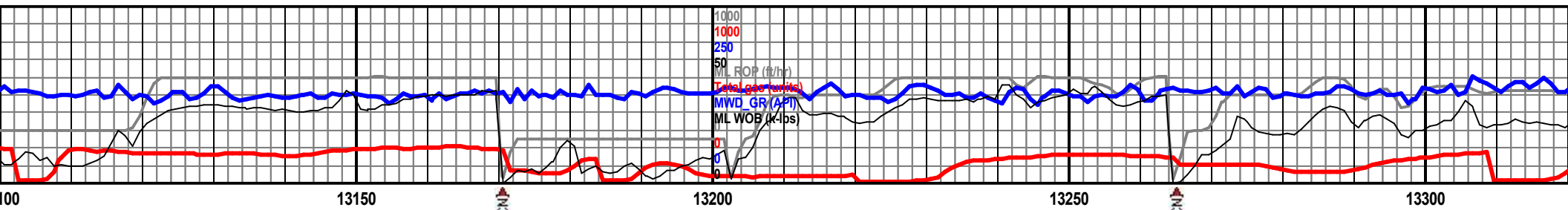
7200



Depth 12400'
MW 9.8
VIS 52
PV 19
YP 6
Gels 8/15/16
Fil 8.4
Sol 11.5
O/W 87.4/12.6
CI 35000
ES 1220
ECD 10.4

MW I/O 9.85 V

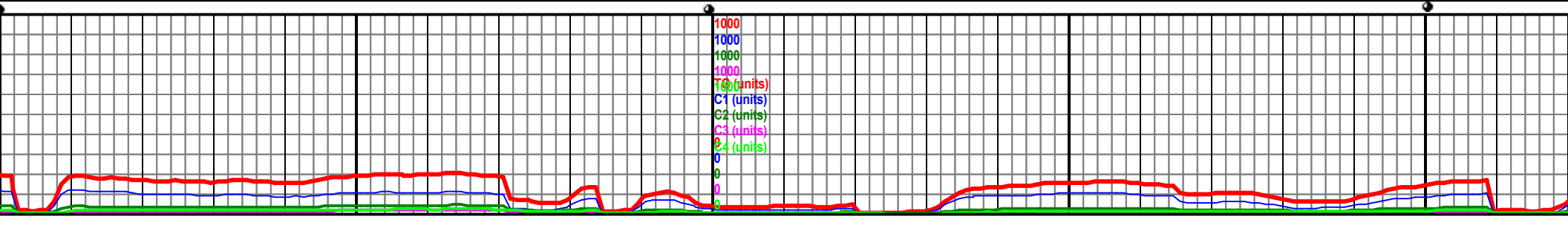
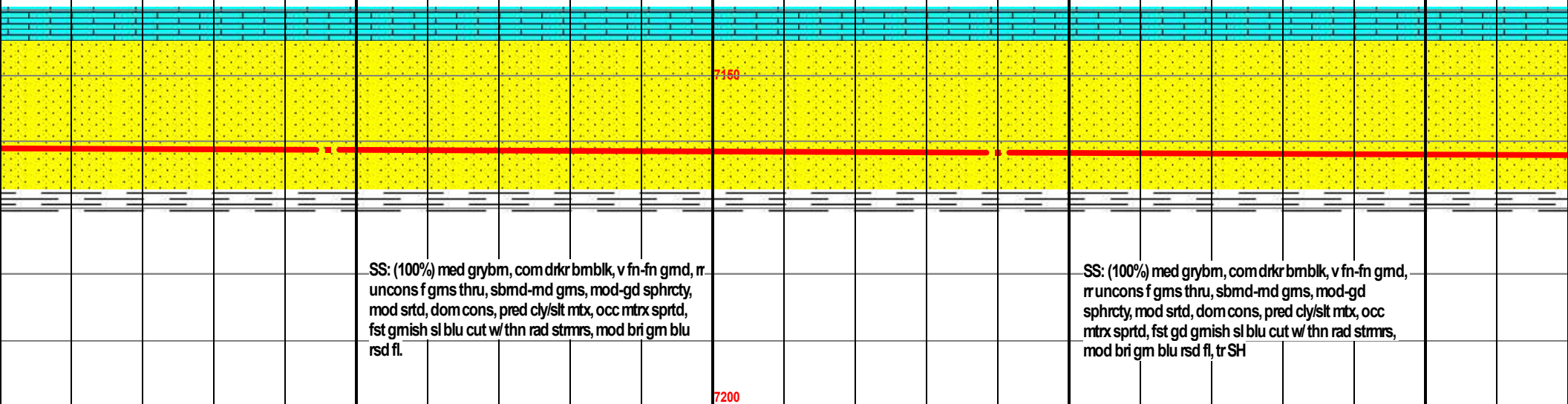


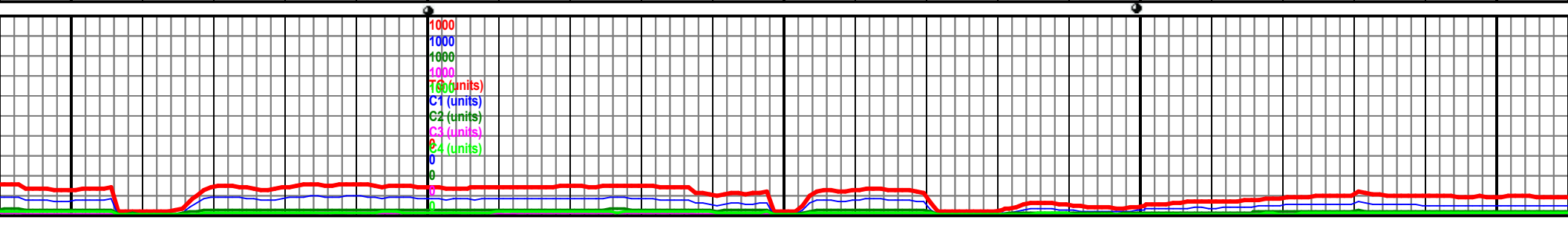
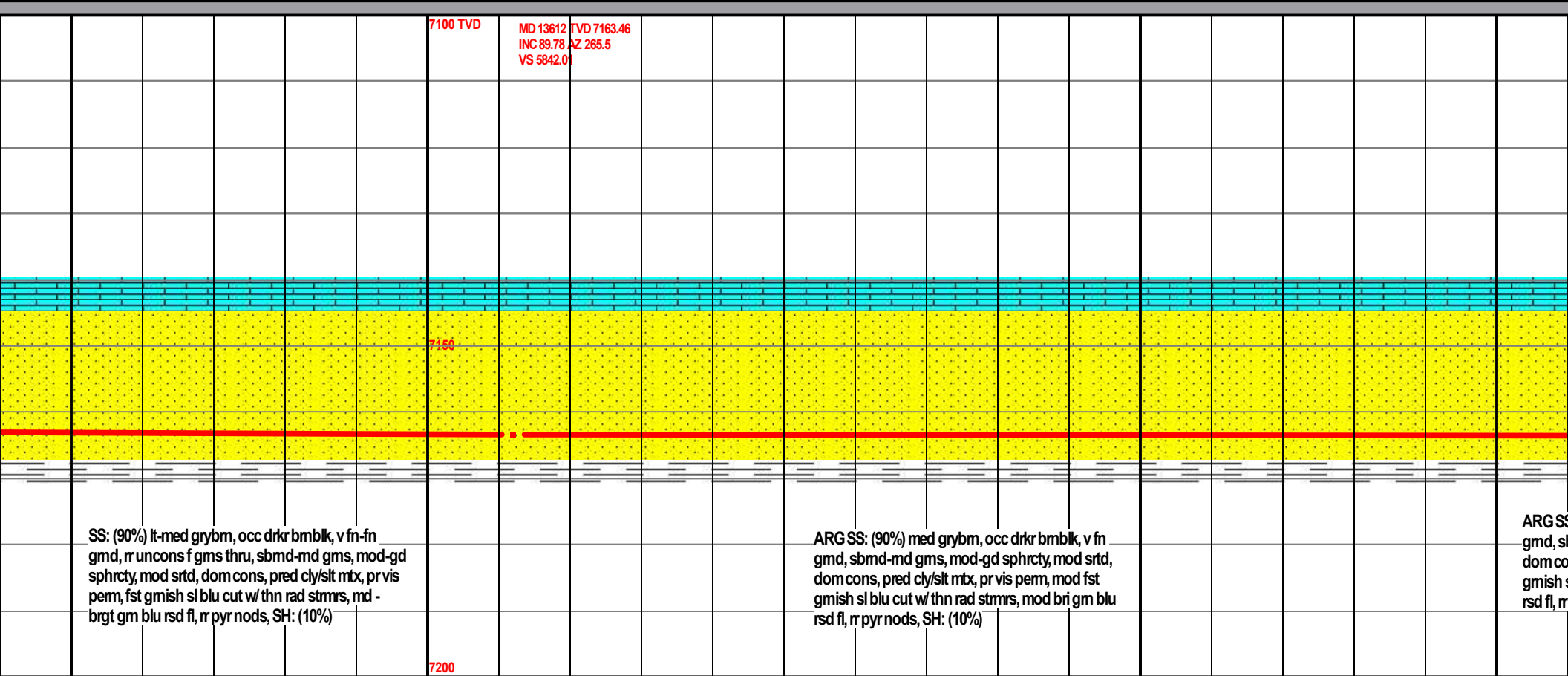
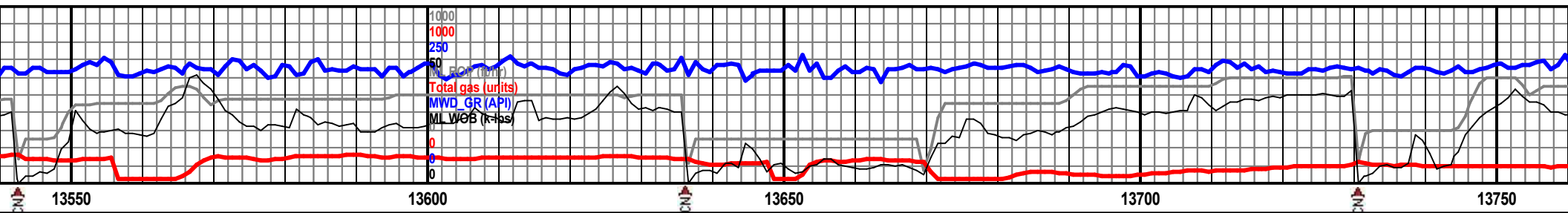


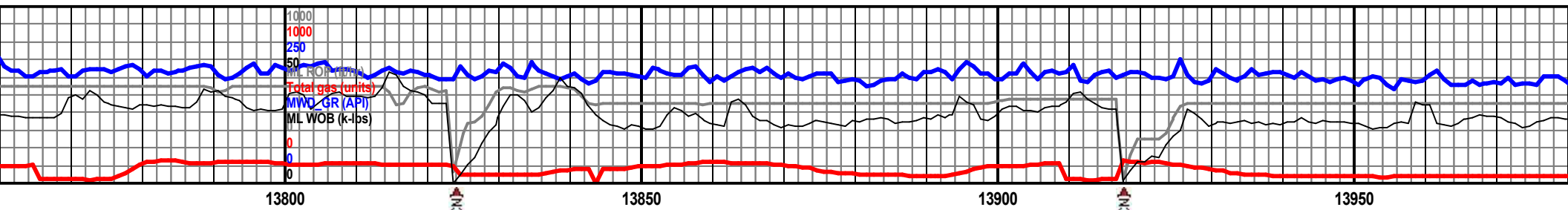
MD 13146 TVD 7161.19
INC 89.85 AZ 262.51
VS 5378.27

7100 TVD

MD 13240 TVD 7161.57
INC 89.69 AZ 262.16
VS 5471.56

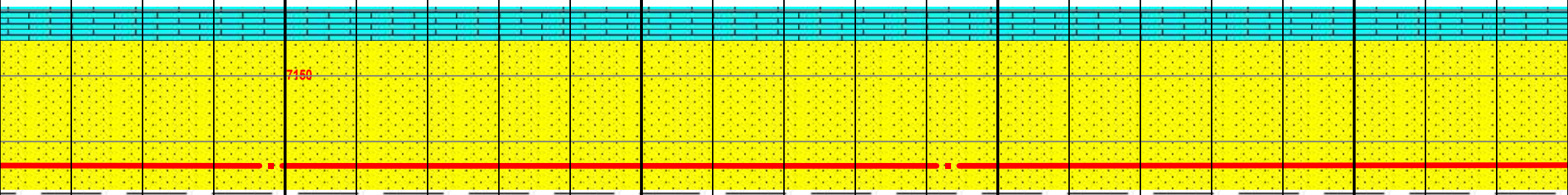






MD 13798 TVD 7163.67
INC 90.09 AZ 267.62
VS 6027.77

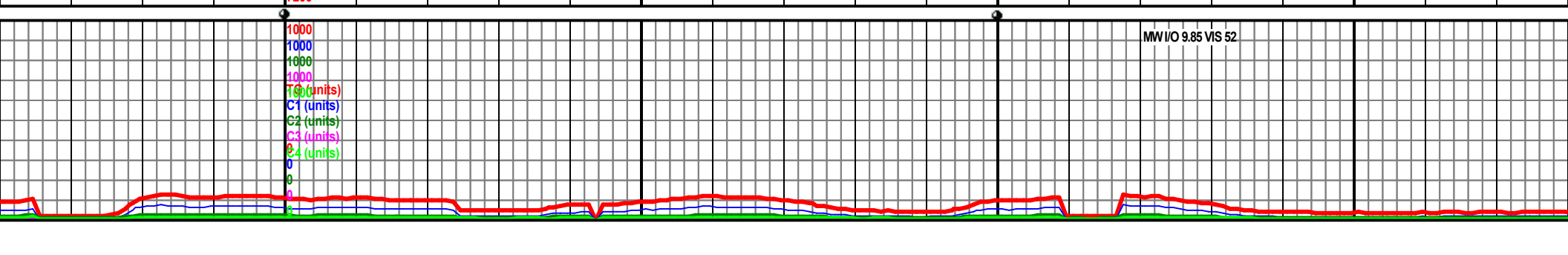
MD 13899 TVD 7163.62
INC 89.97 AZ 268.45
VS 6122.75

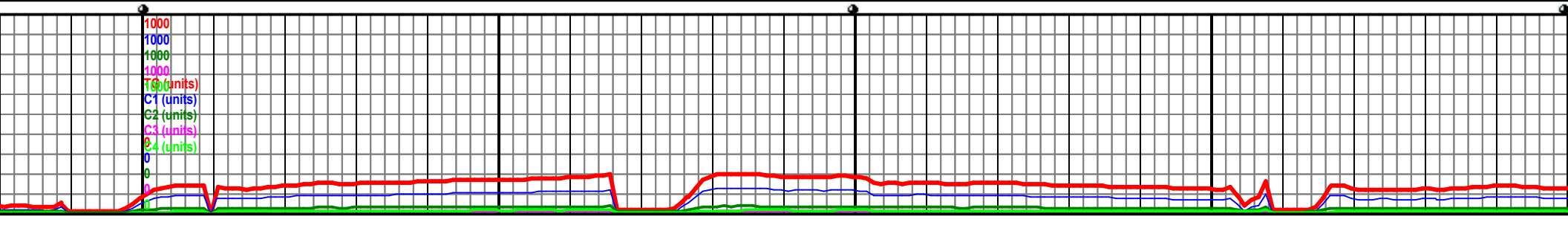
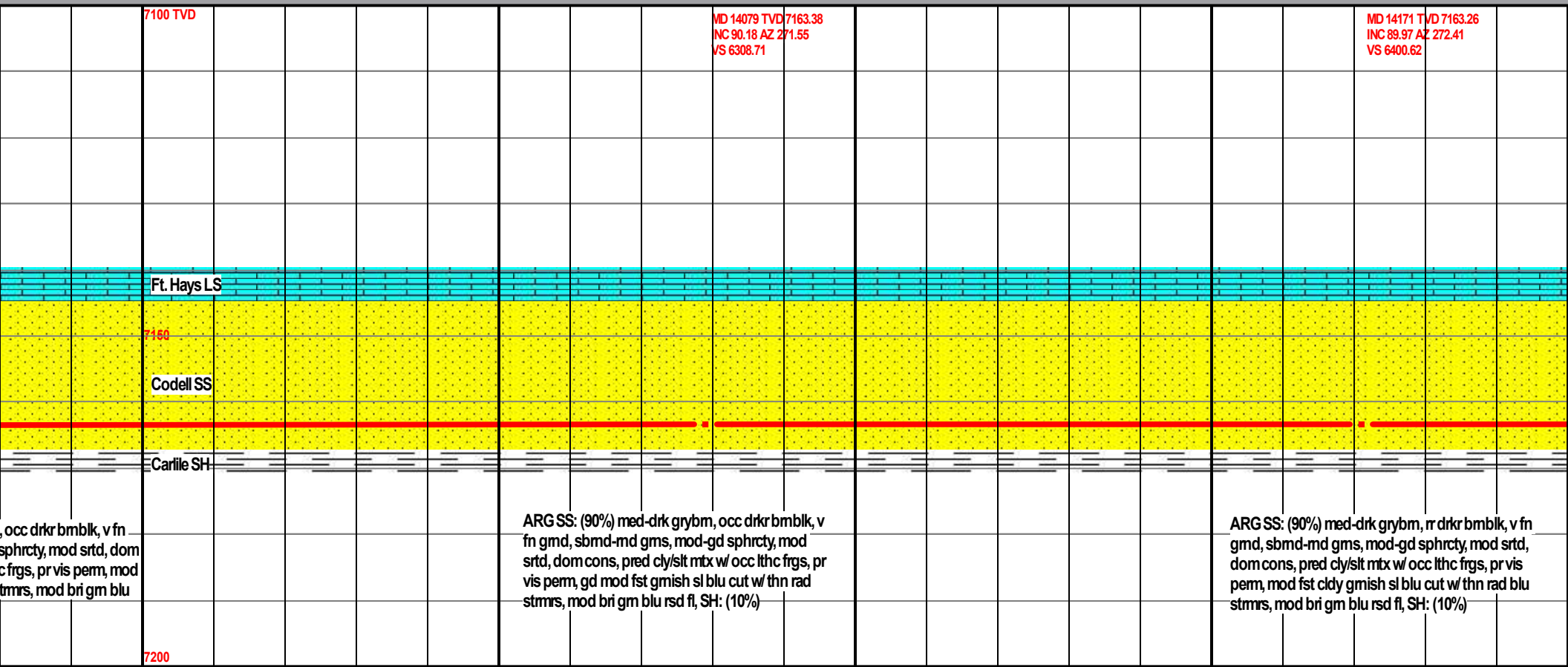
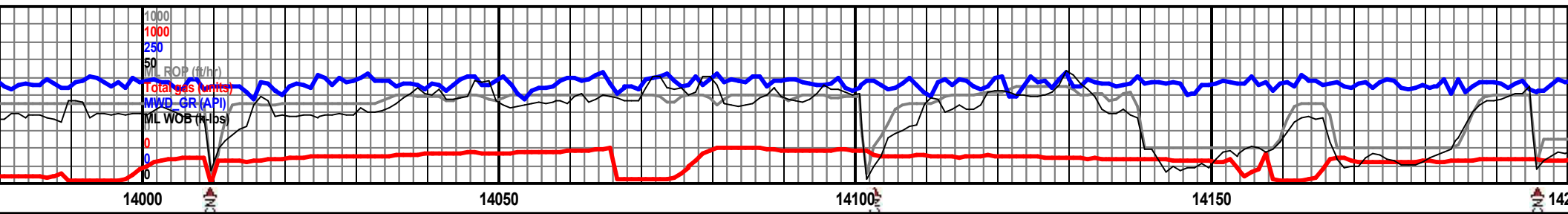


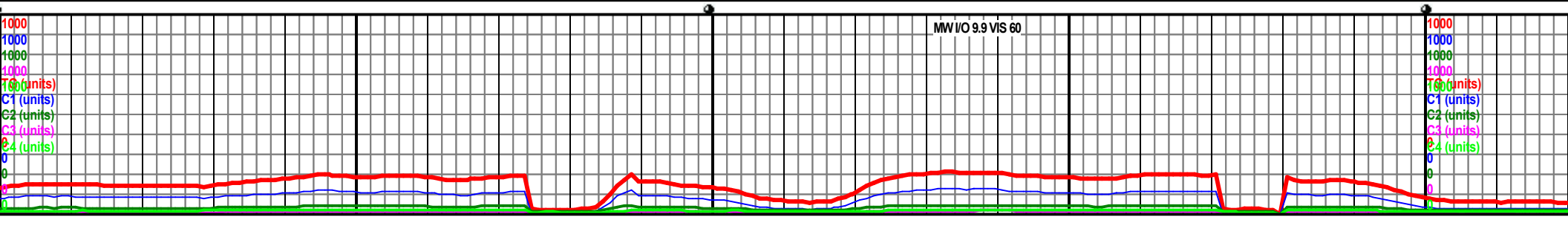
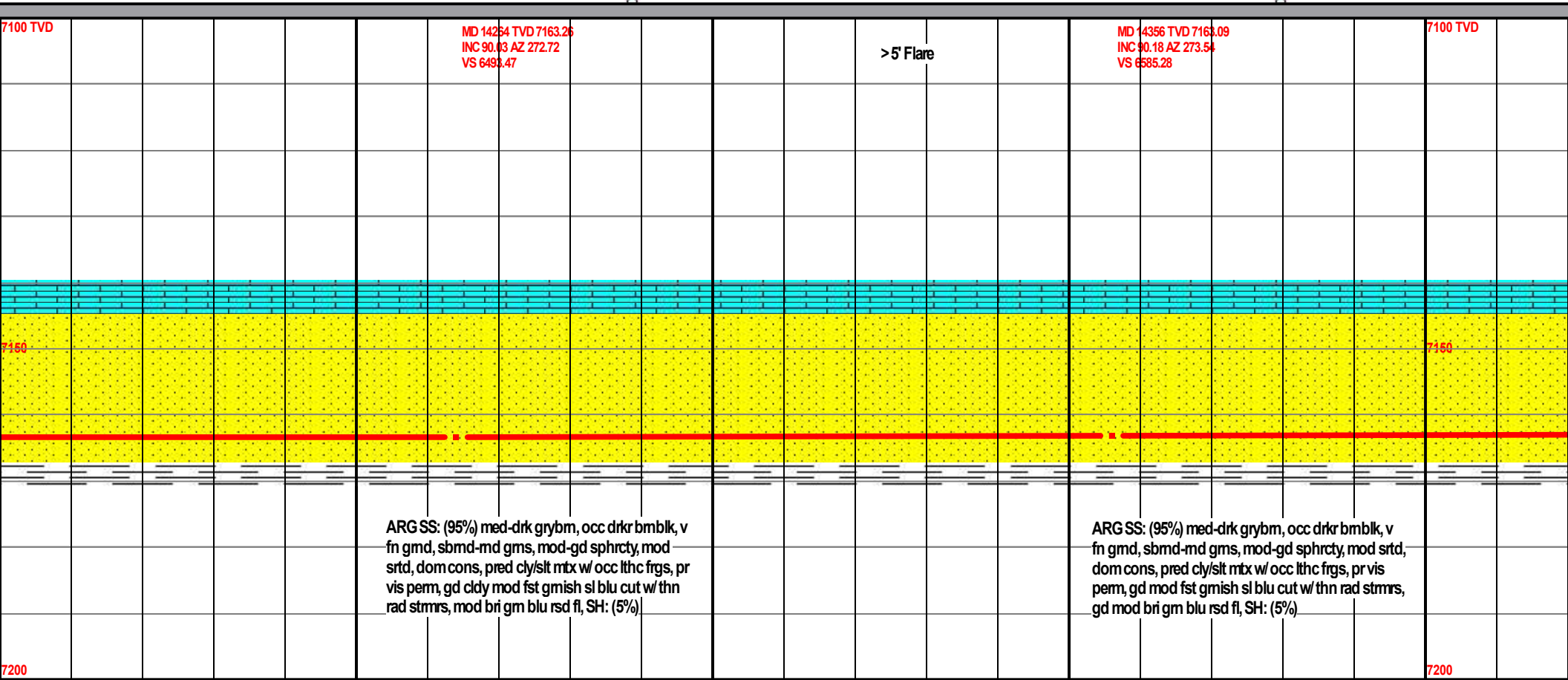
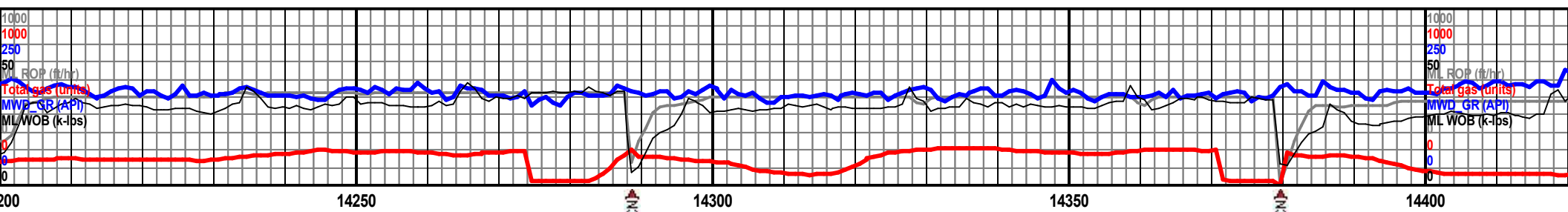
S: (90%) med grybm, occ drkr bmbk, v fn
bmd-md gms, mod-gd sphrcty, mod srtld,
ons, pred cly/slt mtb, pr vis perm, mod fst
sl blu cut w/ thn rad stmrs, mod bri gm blu
pyrnods, SH: (10%)

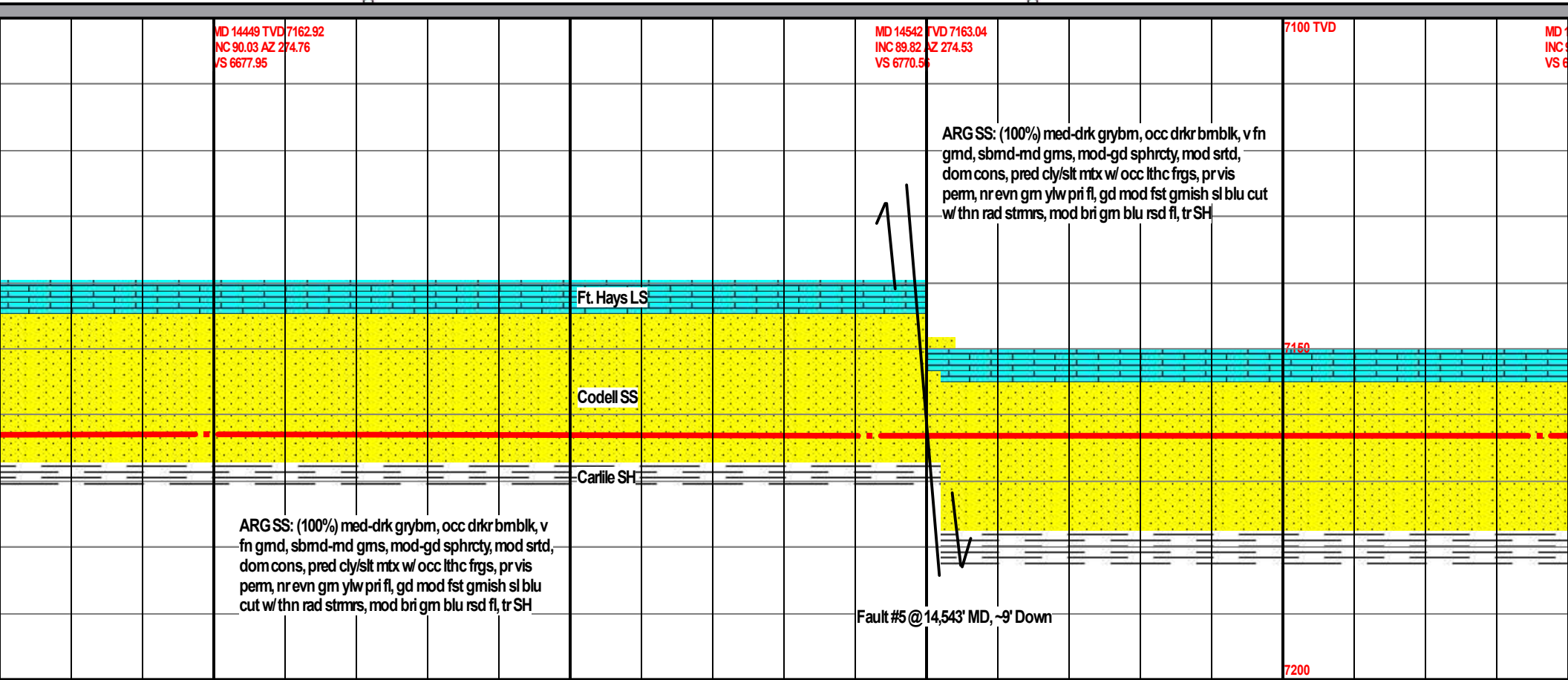
ARG SS: (95%) med-drk grybm, occ drkr bmbk, v
fn gmd, sbmd-md gms, mod-gd sphrcty, mod
srtld, dom cons, pred cly/slt mtb w/ occ lthc frgs, pr
vis perm, mod fst gmish sl blu cut w/ thn rad
stmrs, mod bri gm blu rsd fl, r pyr nods, SH: (5%)

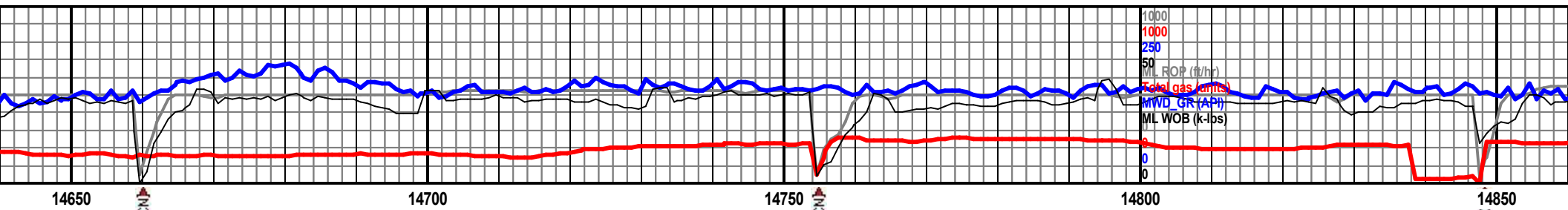
ARG SS: (95%) med-drk grybm,
gmd, sbmd-md gms, mod-gd
cons, pred cly/slt mtb w/ occ lthc
fst gmish sl blu cut w/ thn rad s
rsd fl, SH: (5%)









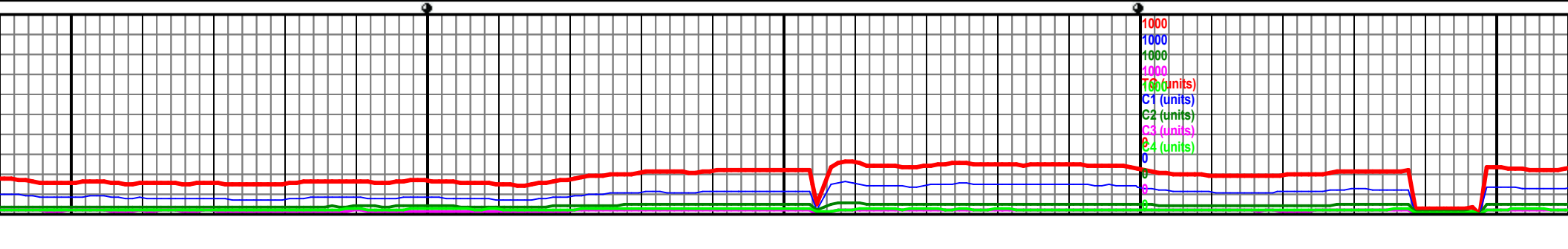
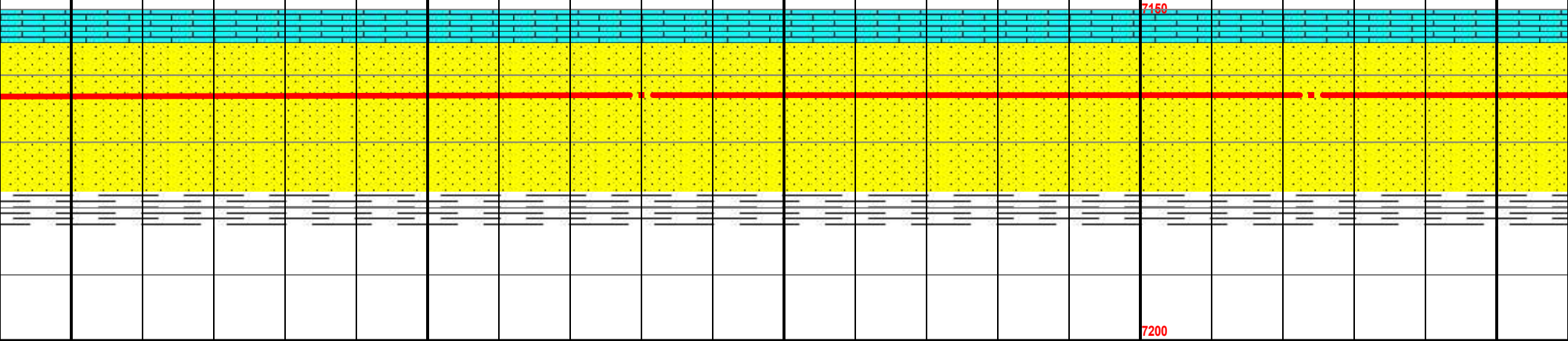


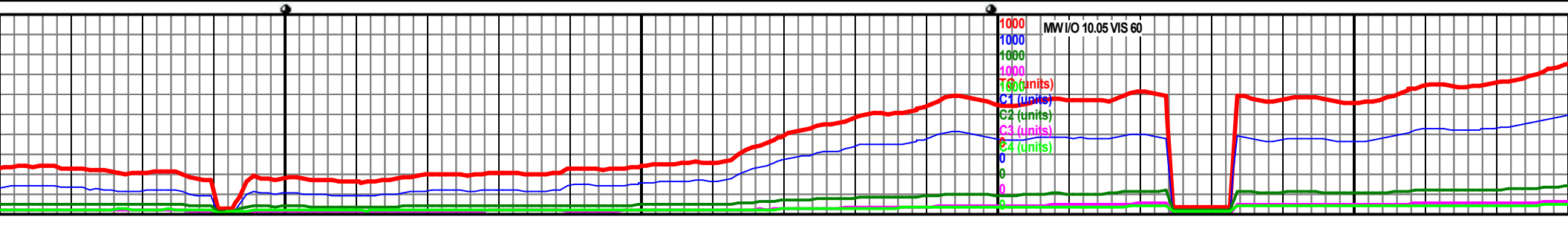
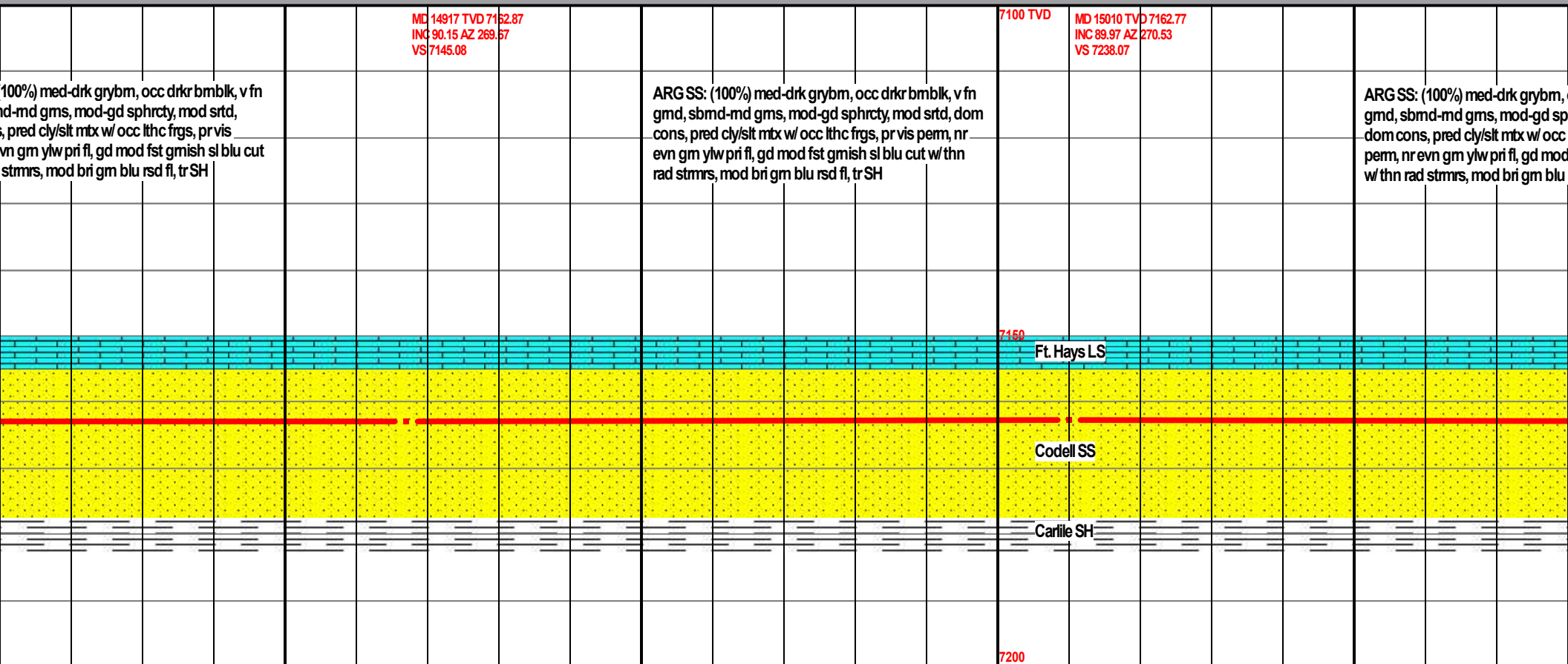
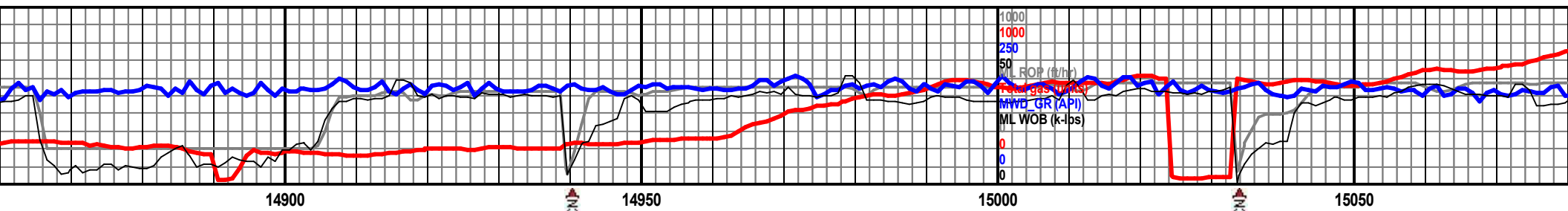
4636 TVD 7161.06 80.15 AZ 272.85 864.29		MD 14730 TVD 7162.94 INC 90 AZ 272.17 VS 6958.15	4' - 6' Flare	7100 TVD	MD 14824 TVD 7162.96 INC 89.97 AZ 270.51 VS 7052.09
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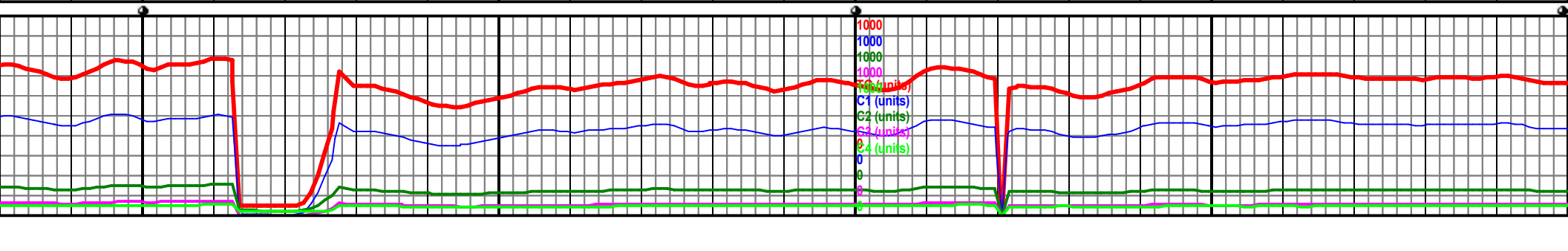
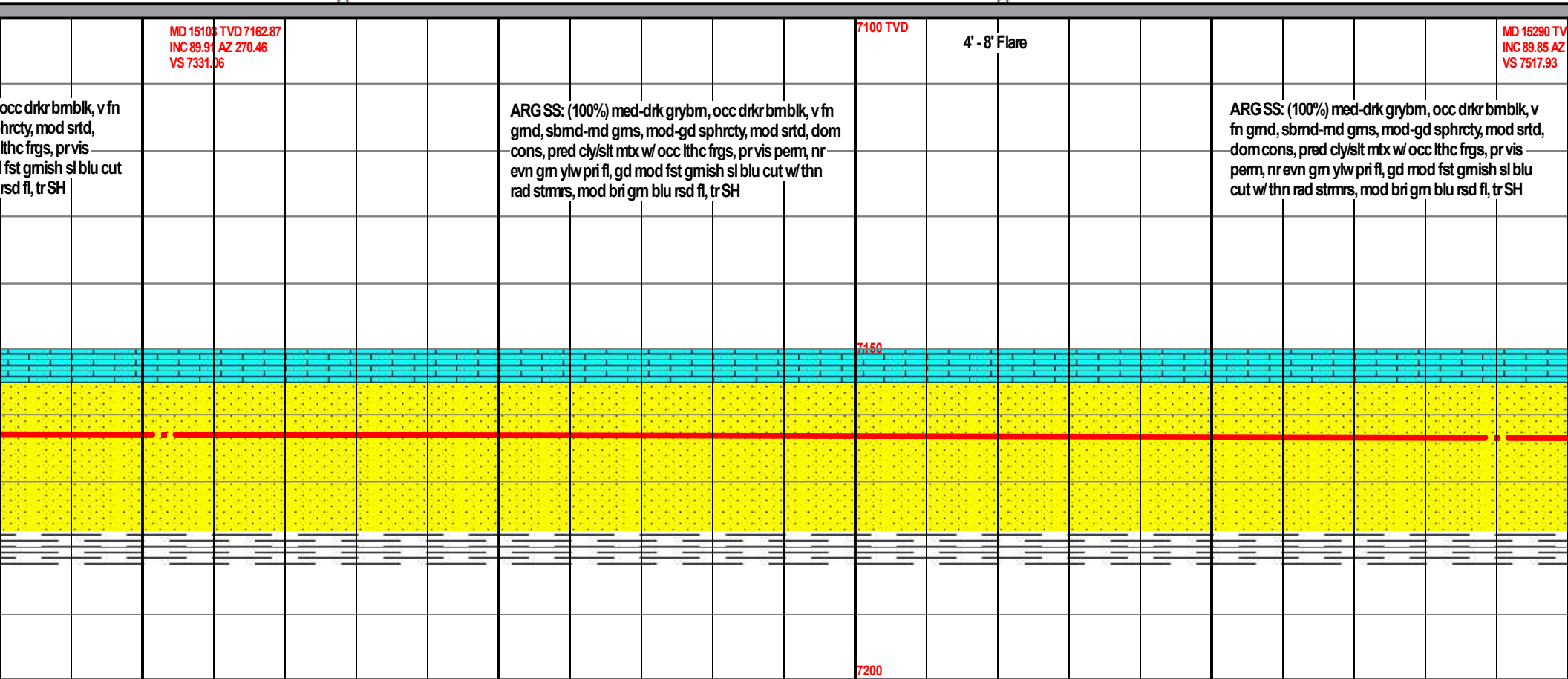
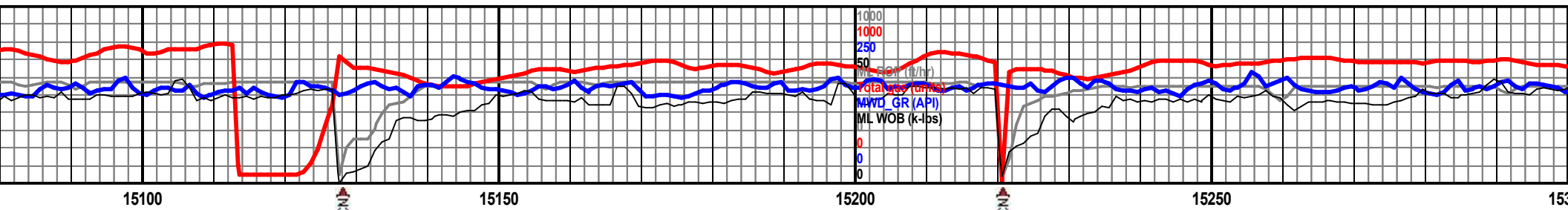
ARG SS: (100%) med-drk grybm, occ drkr bmbk, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srted, dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

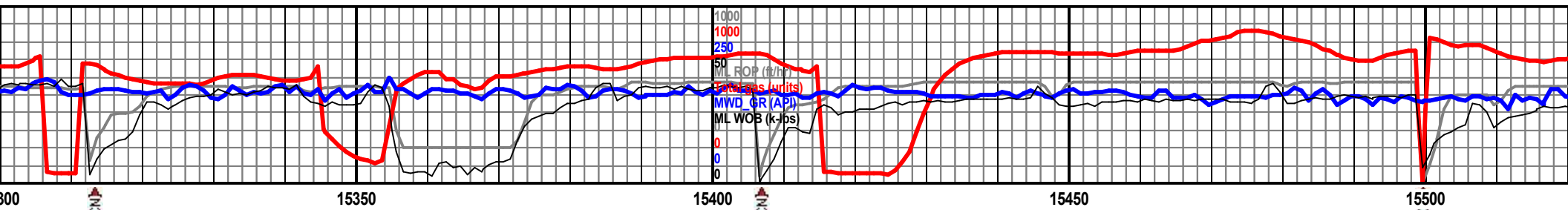
ARG SS: (100%) med-drk grybm, occ drkr bmbk, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srted, dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

ARG SS: (100%) med-drk grybm, occ drkr bmbk, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srted, dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH









MD 15383 TVD 7163.26
INC 89.88 AZ 272.31

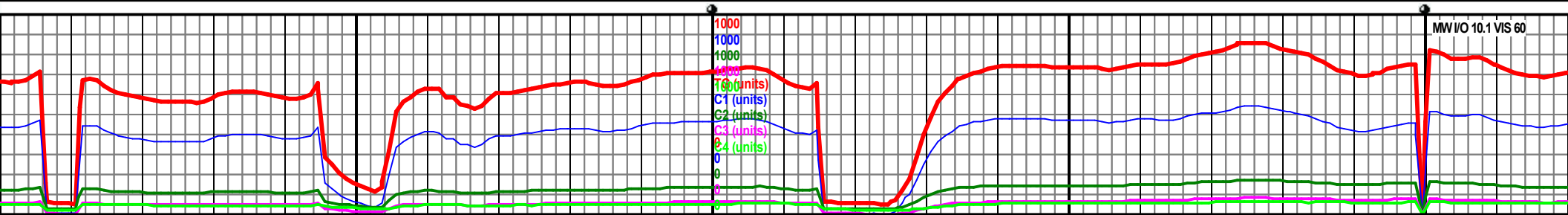
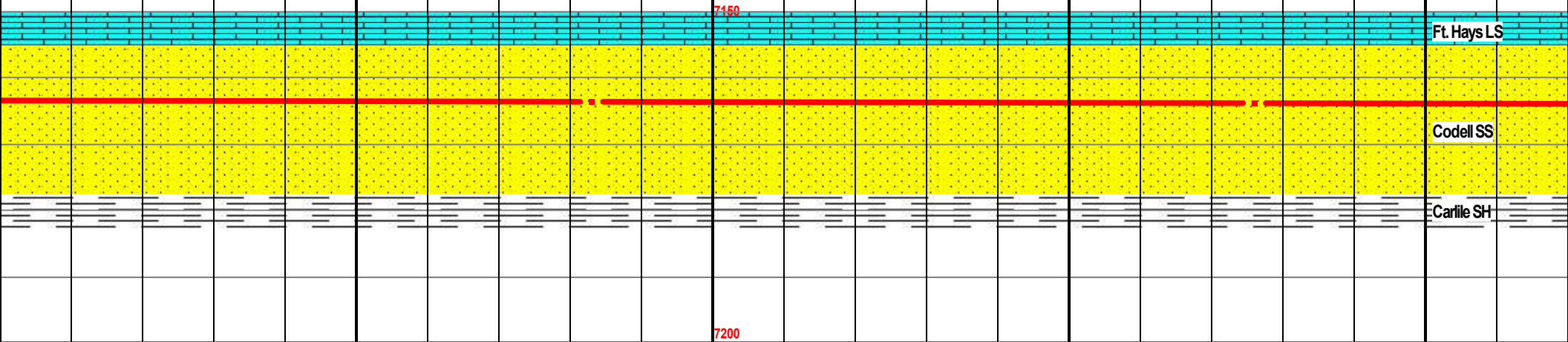
MD 15383 TVD 7163.48
INC 89.88 AZ 271.82
VS 7610.83

7100 TVD

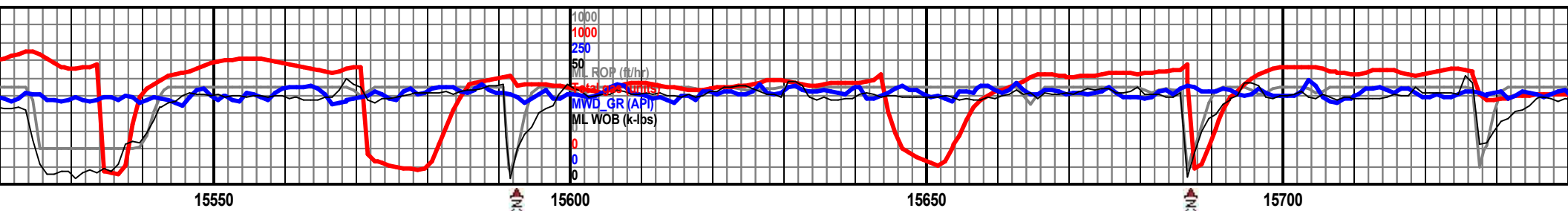
MD 15476 TVD 7163.7
INC 89.85 AZ 269.85
VS 7703.8

ARG SS: (100%) med-drk grybm, occ drkr bmbk, v
fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtld,
dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis
perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu
cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

ARG SS: (100%) med-drk grybm, occ drkr bmbk, v
fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtld,
dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis
perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu
cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

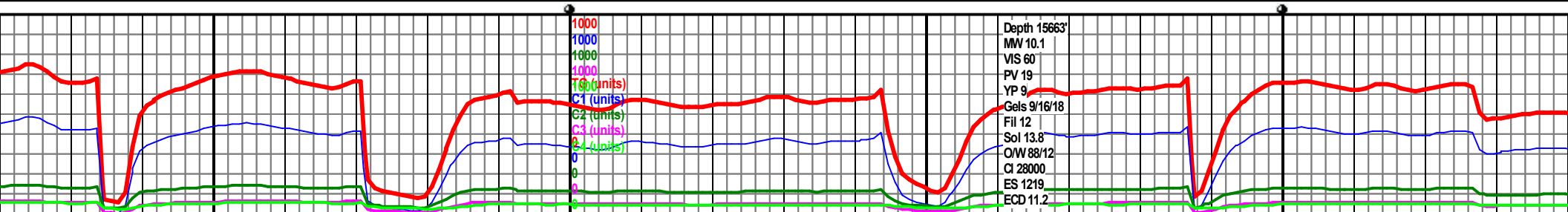
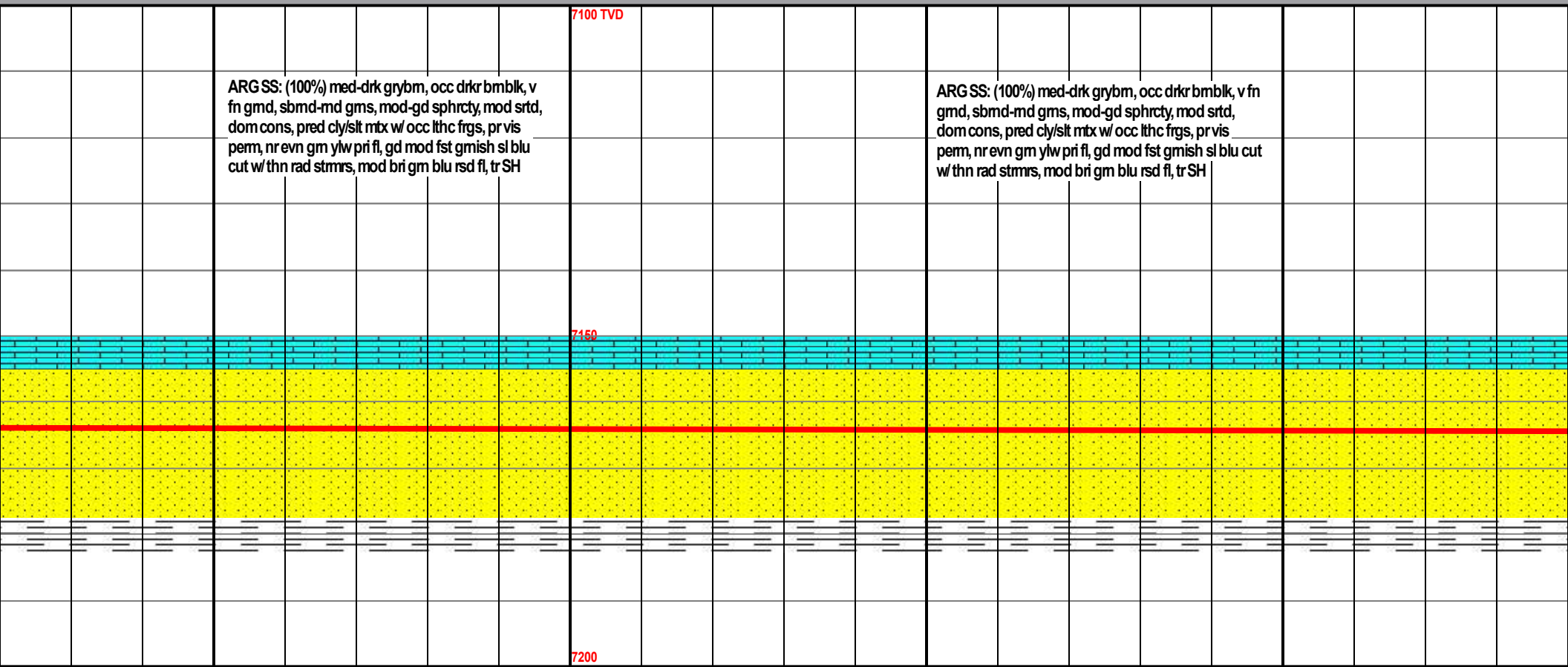


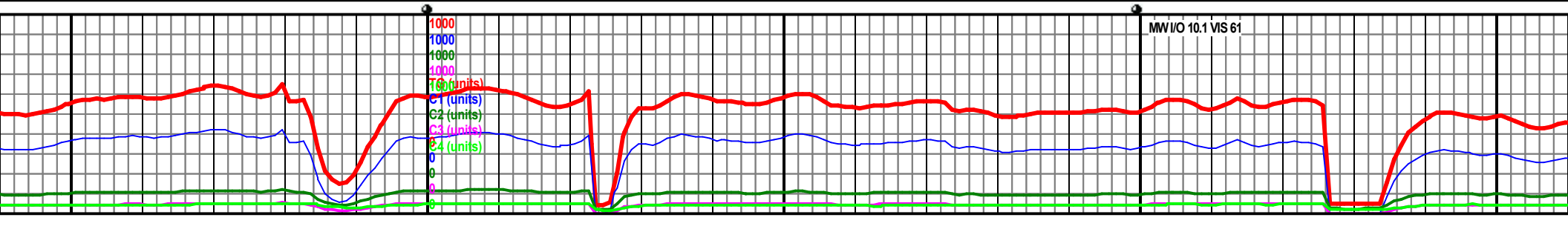
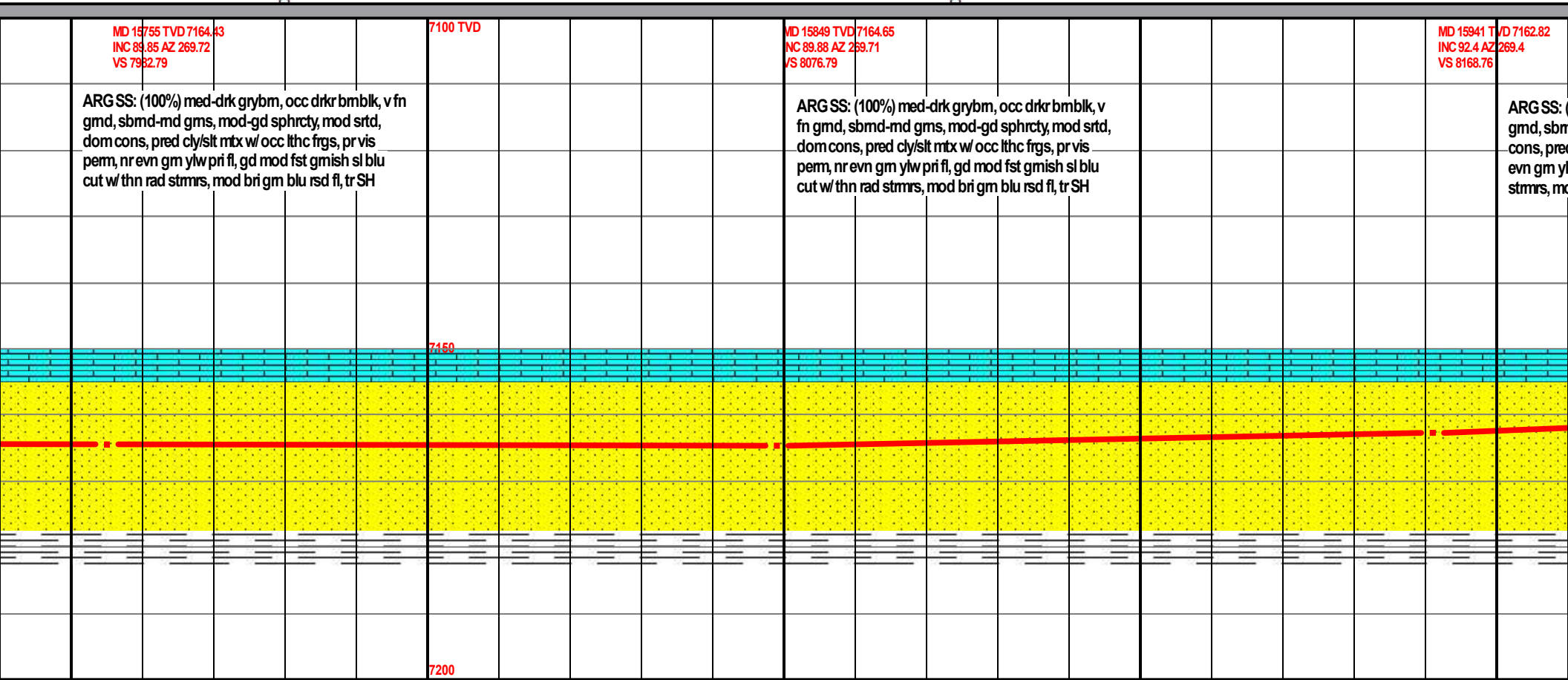
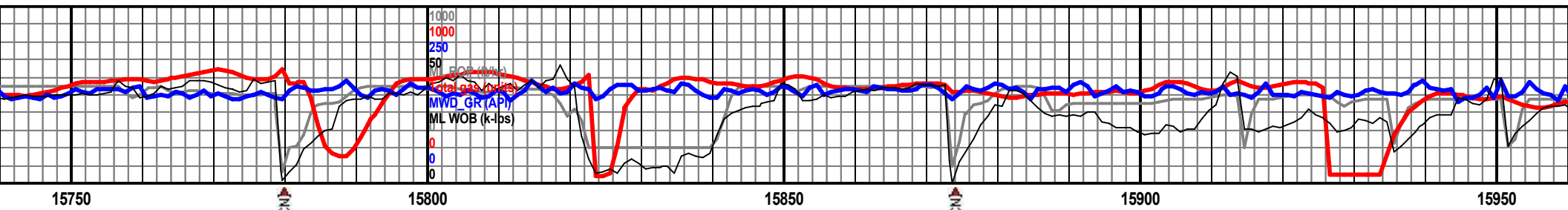
MW I/O 10.1 VIS 60

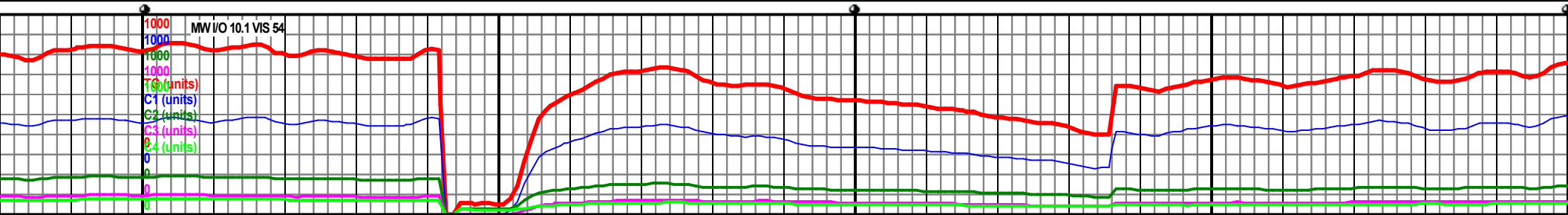
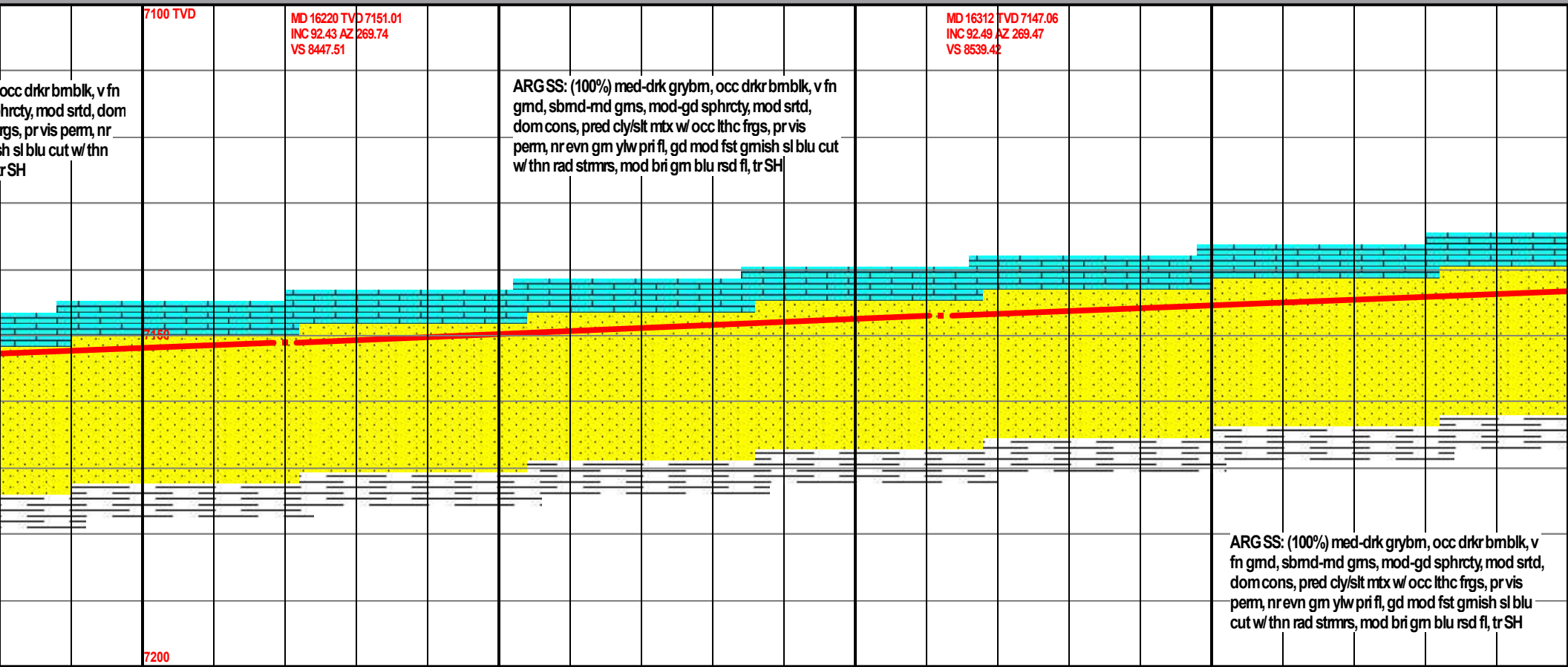
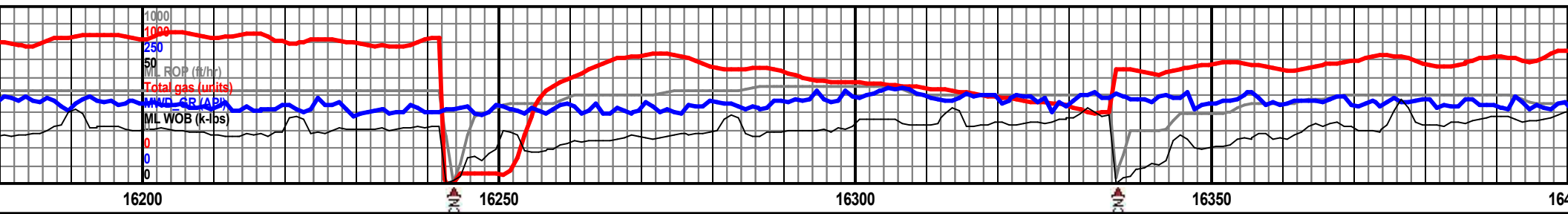


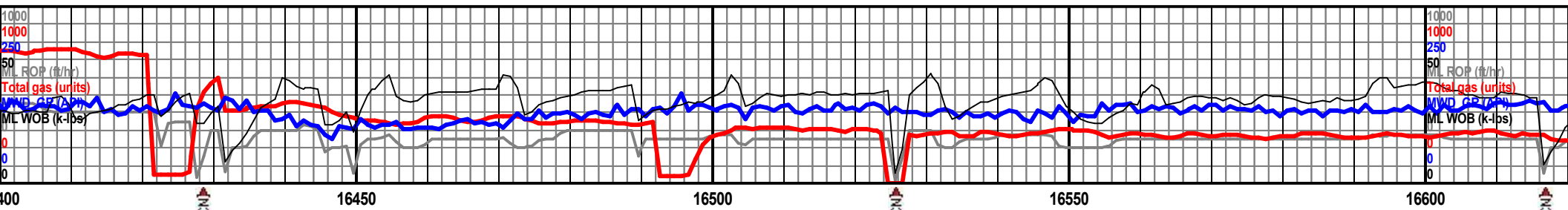
ARG SS: (100%) med-drk grybm, occ drkr bmbk, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtd, dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis pem, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

ARG SS: (100%) med-drk grybm, occ drkr bmbk, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtd, dom cons, pred cly/slt mtx w/ occ lthc frgs, pr vis pem, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH

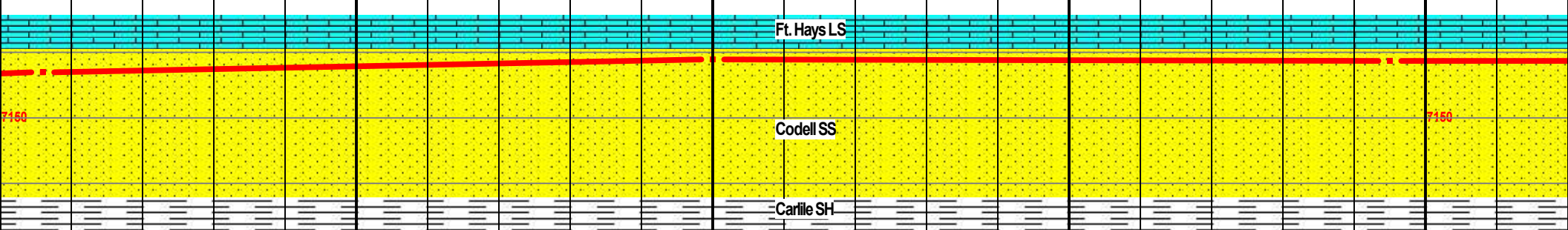






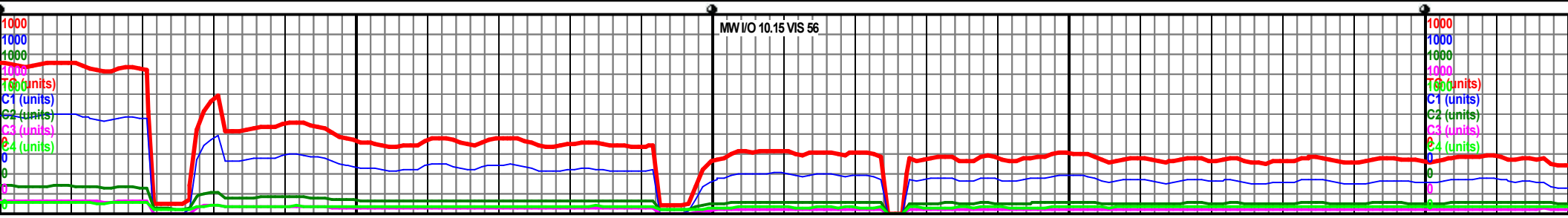


MD	TVD	INC	AZ	VS
16406	7143.05	92.4	268.88	8633.34
16500	7141.18	89.88	266.22	8727.25
16595	7141.28	90	266.2	8822.11

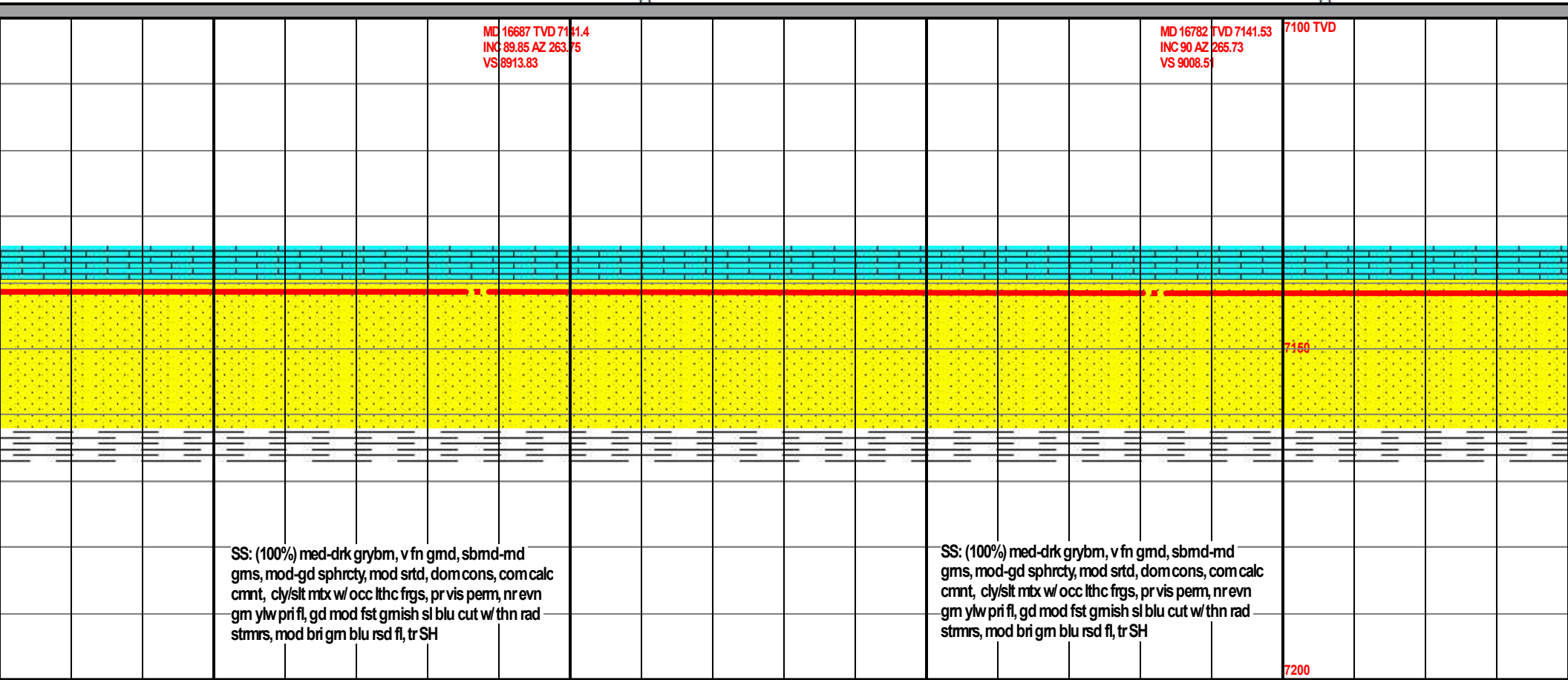


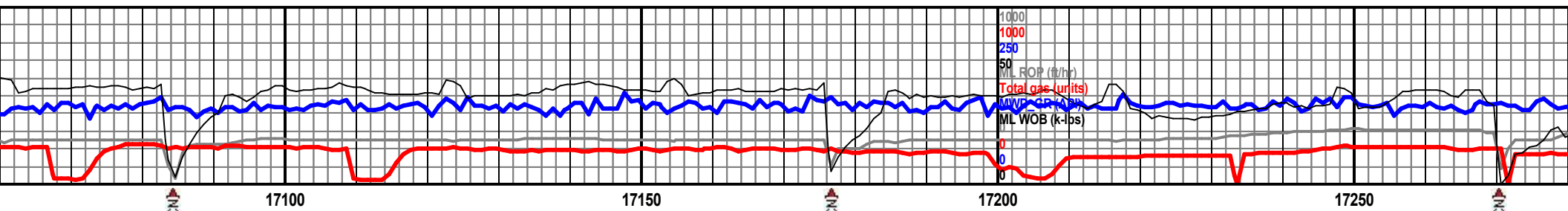
SS: (95%) med-drk grybm, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtld, dom cons, com calc cmnt, cly/slt mtx w/ occ lthc frgs, pr vis perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, LS (5%), tr SH

SS: (100%) med-drk grybm, v fn gmd, sbmd-md gms, mod-gd sphrcty, mod srtld, dom cons, com calc cmnt, cly/slt mtx w/ occ lthc frgs, pr vis perm, nr evn gm ylw pri fl, gd mod fst gmish sl blu cut w/ thn rad stmrs, mod bri gm blu rsd fl, tr SH, tr LS



MW I/O 10.15 VIS 56

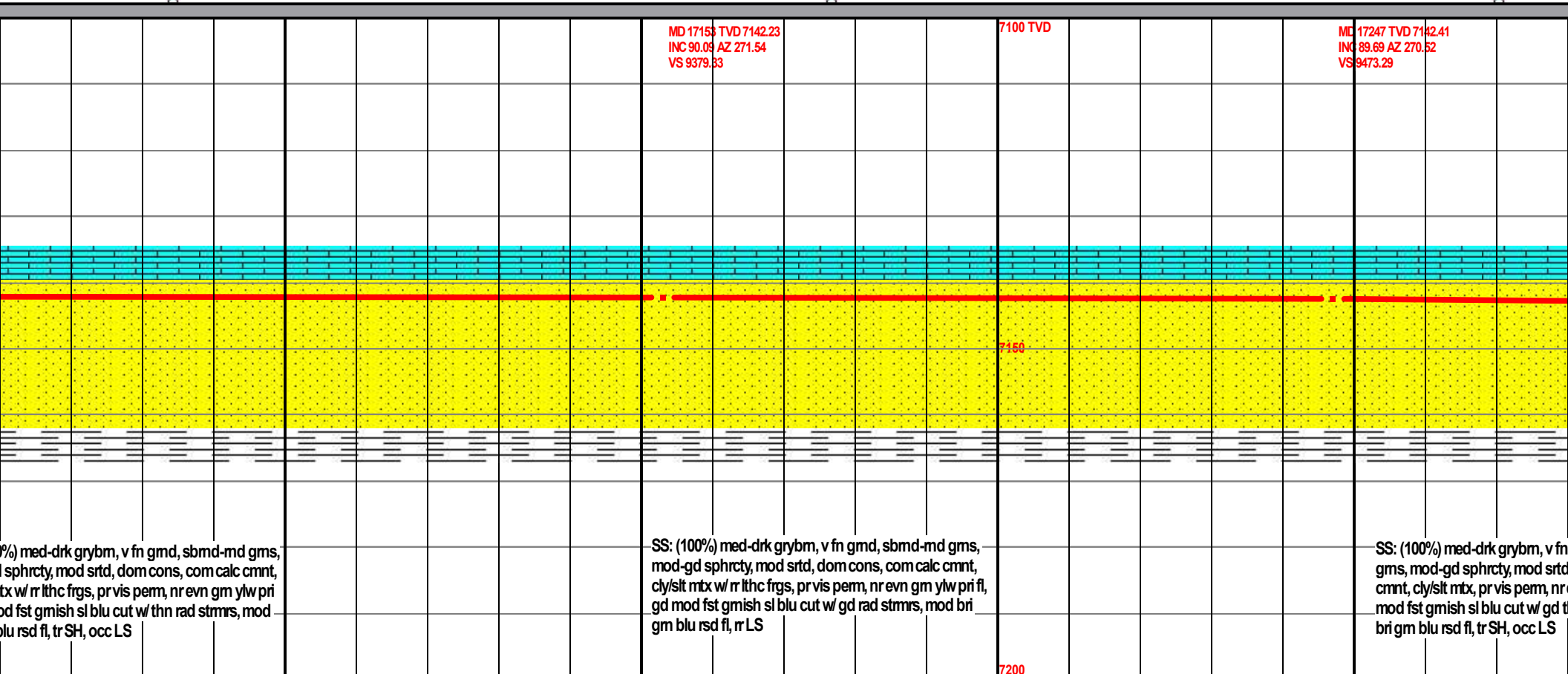




MD 17153 TVD 7142.23
INC 90.09 AZ 271.54
VS 9379.83

7100 TVD

MD 17247 TVD 7142.41
INC 89.69 AZ 270.52
VS 9473.29



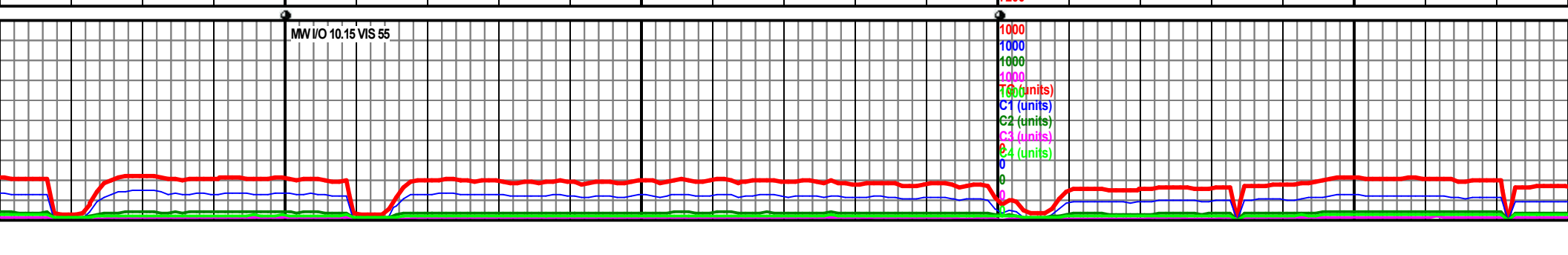
9%) med-drk grybm, v fn gmd, sbmd-md gms,
l sphrcty, mod srted, dom cons, com calc cmnt,
tx w/ r lthc frgs, pr vis pem, nr evn gm ylw pri
d fst gmish sl blu cut w/ thn rad stmrs, mod
blu rsd fl, tr SH, occ LS

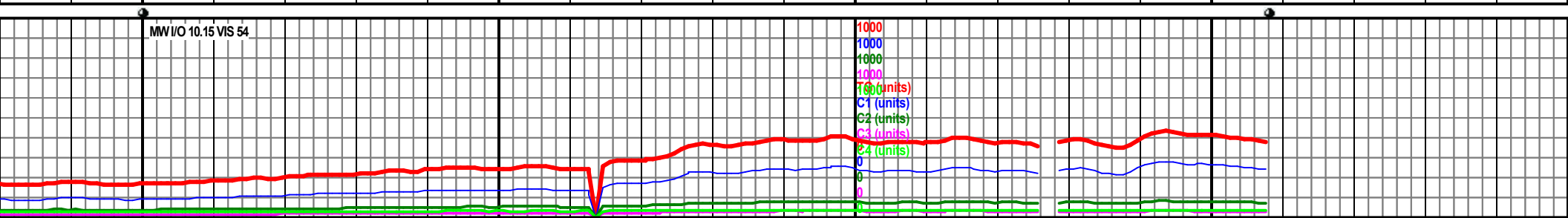
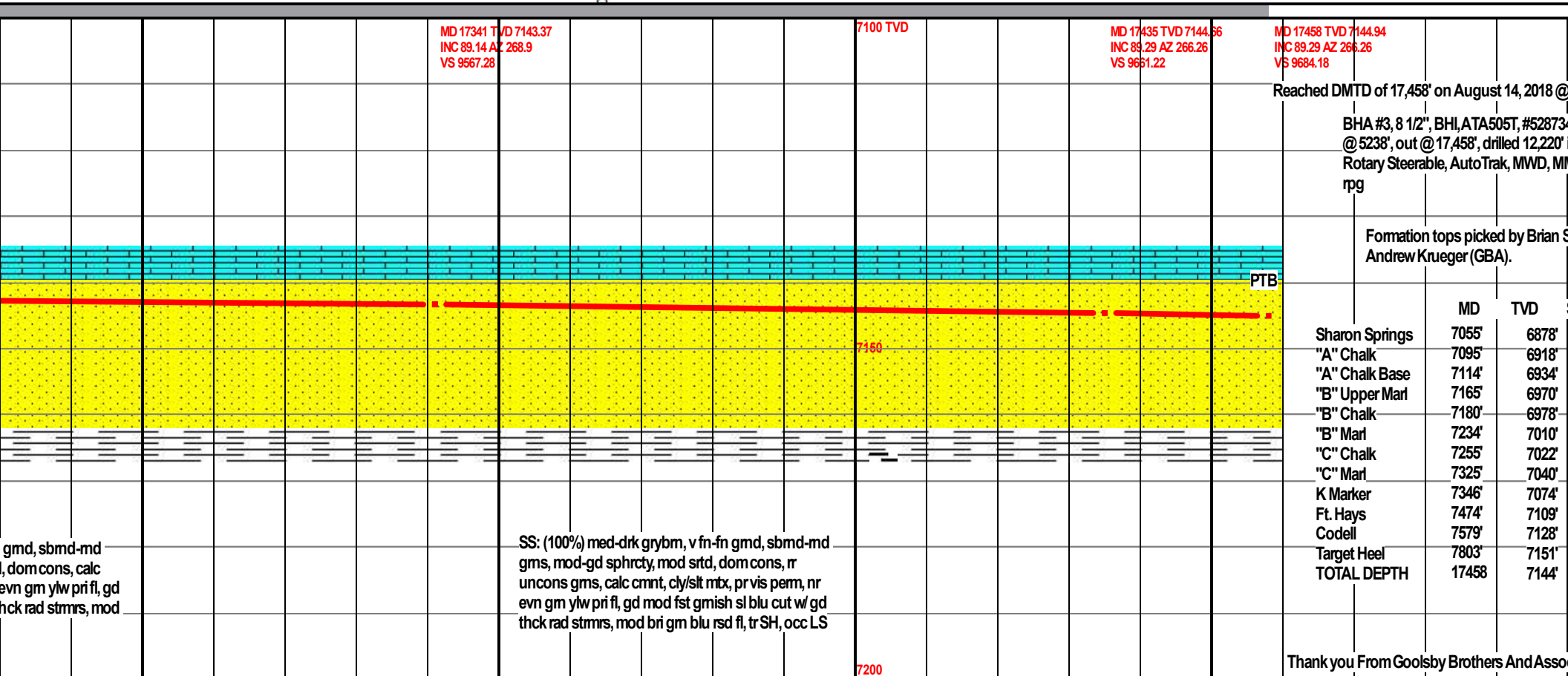
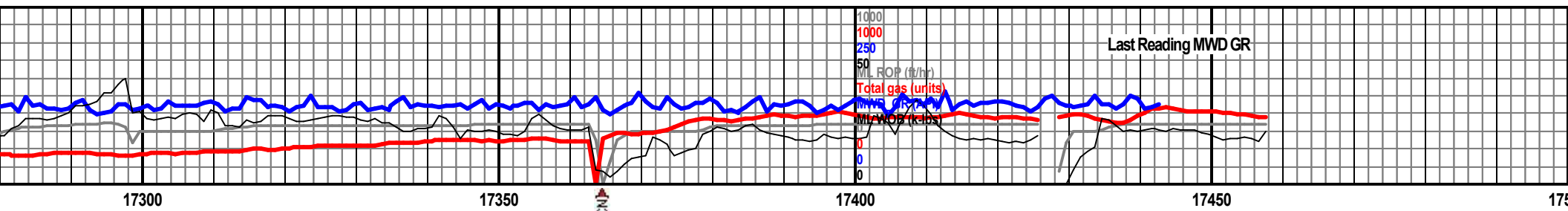
SS: (100%) med-drk grybm, v fn gmd, sbmd-md gms,
mod-gd sphrcty, mod srted, dom cons, com calc cmnt,
cly/slt mtx w/ r lthc frgs, pr vis pem, nr evn gm ylw pri fl,
gd mod fst gmish sl blu cut w/ gd rad stmrs, mod bri
gm blu rsd fl, r LS

SS: (100%) med-drk grybm, v fn gmd, sbmd-md gms,
mod-gd sphrcty, mod srted, dom cons, com calc cmnt,
cly/slt mtx w/ r lthc frgs, pr vis pem, nr evn gm ylw pri fl,
gd mod fst gmish sl blu cut w/ gd rad stmrs, mod bri
gm blu rsd fl, tr SH, occ LS

MW I/O 10.15 VIS 55

7200






Thank you From Goolsby Brothers And Assoc

A blank grid for drawing a picture, consisting of 10 columns and 10 rows of squares.

500

14:03 hrs.		
46, 5X15, 2X14, In		
in 35.9 hrs.,		
M, XL45/RS; 27		
Spitzmiller and		
SSD		
-1985'		
-2025'		
-2041'		
-2077'		
-2085'		
-2117'		
-2129'		
-2147'		
-2181'		
-2216'		
-2235'		
-2258'		
-2251'		
ciates, Inc.		

[illegible]