

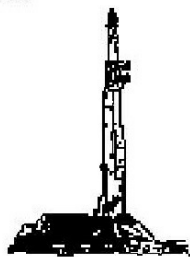
GOOLSBY BROTHERS and associates, inc.

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: Troudt 41C-23-M

API: 051234624600

Location: NE/NW Section 27 T6N R66W Weld County, CO.

License Number:

Spud Date: August 24, 2018

Region: Wattenberg

Drilling Completed: August 27, 2018

Surface Coordinates: 760 FNL 1684 FWL NE/NW Sec. 27 T6N R66W

Lat/Long: 40.464592 N -104.767315 W

Bottom Hole Planned: 1214' FSL 510' FEL SE/SE Sec. 23 T6N R66W

Coordinates:

Ground Elevation (ft): 4,720'

K.B. Elevation (ft): 4,744'

Logged Interval (ft): 7100' To: 15,292' Total Depth (ft): 15,292' DMTD

Formation: Codell Sand

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

Geologist: Tony Williams

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

GEOLOGIST

Name: Tekabe Gedamu & Blake Stacey

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 15,279' MD

Casing

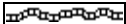

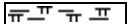





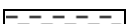




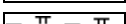

9 5/8" Surface Casing pre set @ 1,851' MD.

5 1/2" Production Liner set @ 15,271' on 08/28/2018.






































































Comments

- 1) Drilling Contractor: Precision Drilling, Rig #562
Pumps 1&2: Rostell F-1600 5" x 12" (.0692 Bbls./stroke)
Toolpusher: John Martin Meyers, Tyson Westgard.
- 2) Company Man: Kent Priddy
Kevin Brakovec
Tim Jones
Kalib Ford
- 3) Mud Comapny : Anchor USA
Engineer: Joseph Wood, David Owen
- 4) Directional Drilling: Baker Hughes
Drillers: Ryan Killian, Jeremiah Samson
MWD: Shawn McCaffery, Baker Remote Field Operations.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Tekabe Gedamu & Robin Brackman

ROCK TYPES

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

ACCESSORIES

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

OTHER SYMBOLS

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Vspotty
- near even

POROSITY TYPE

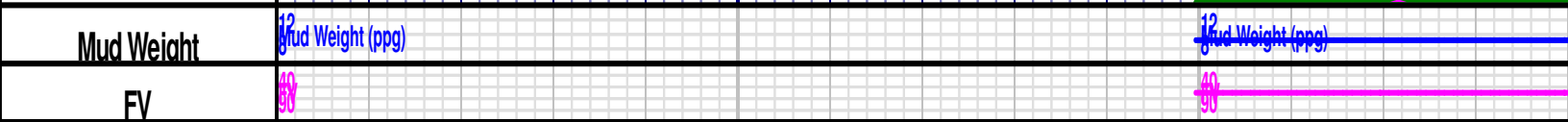
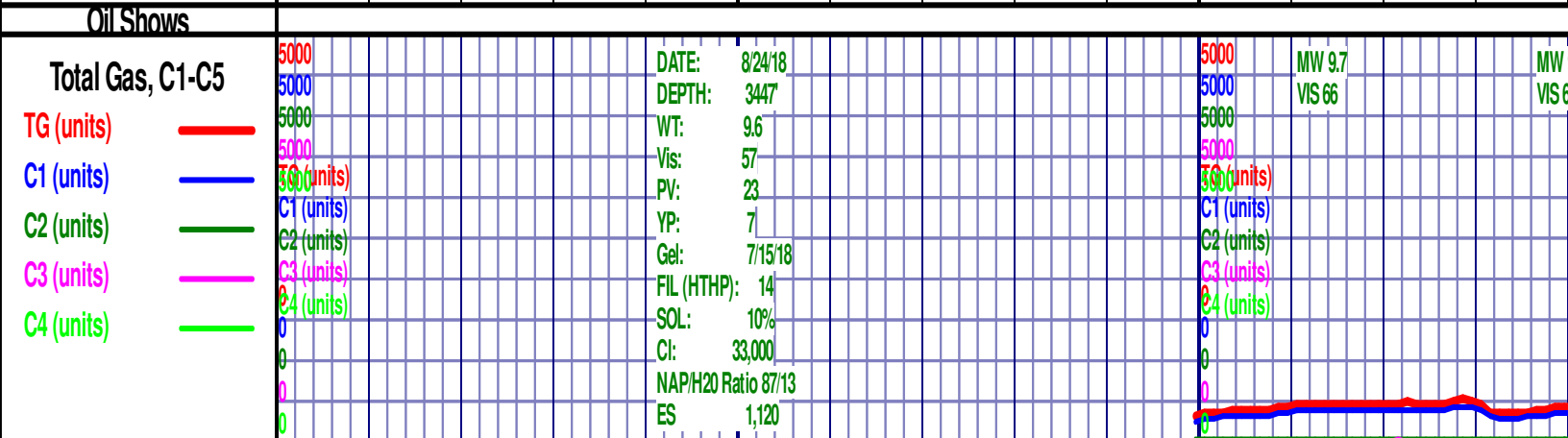
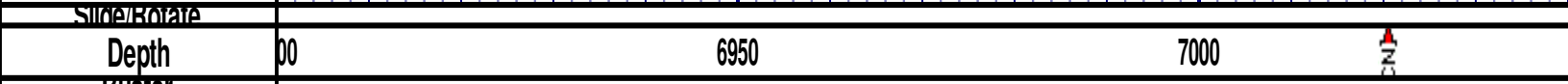
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic

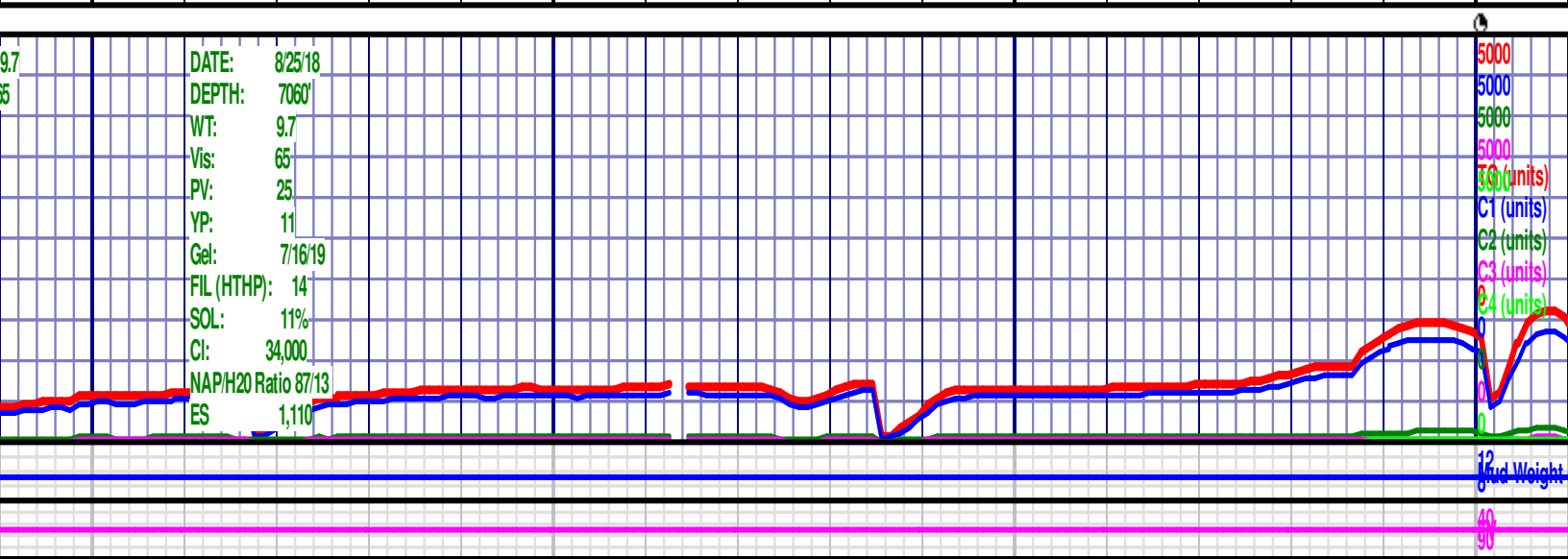
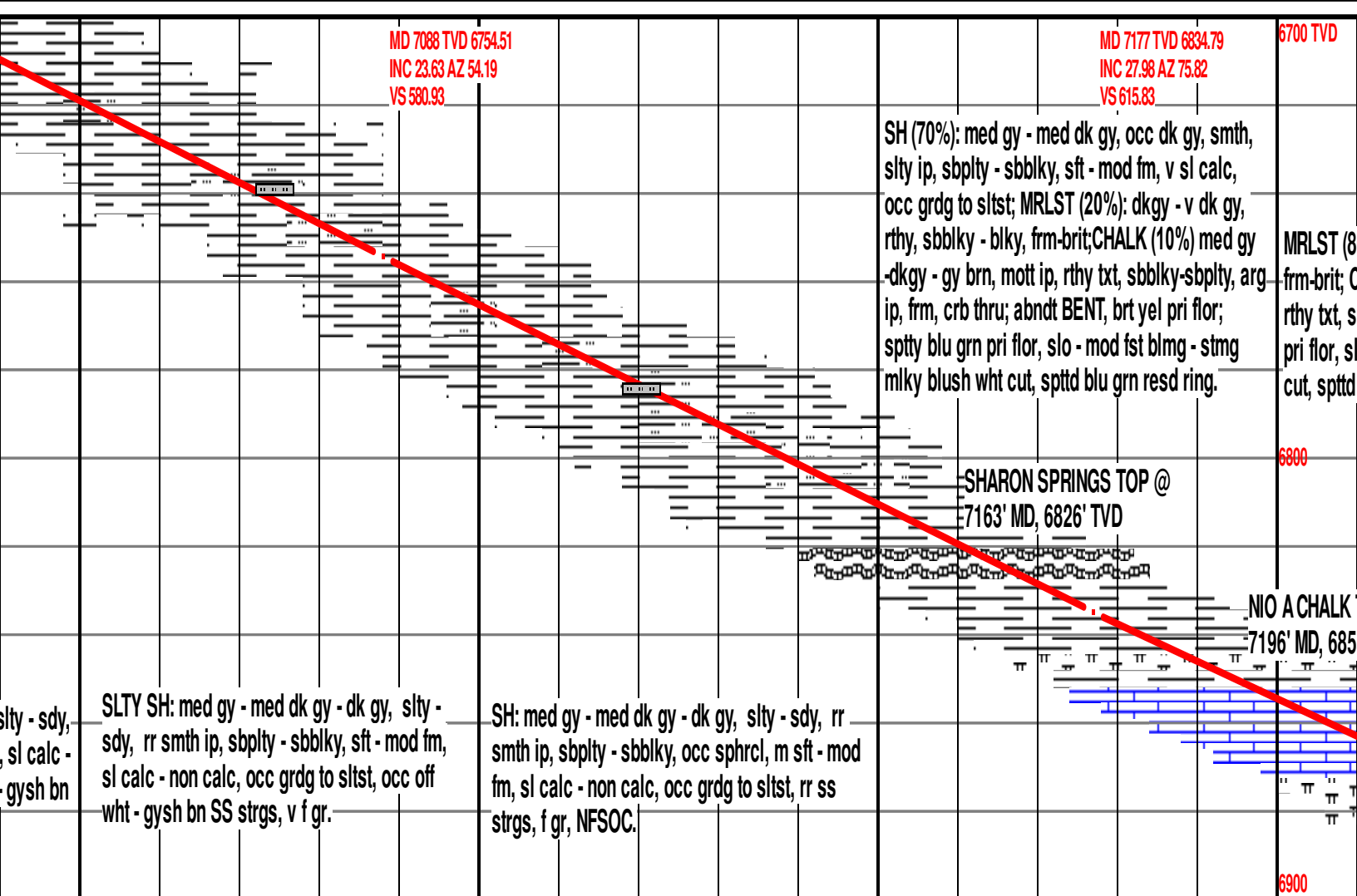
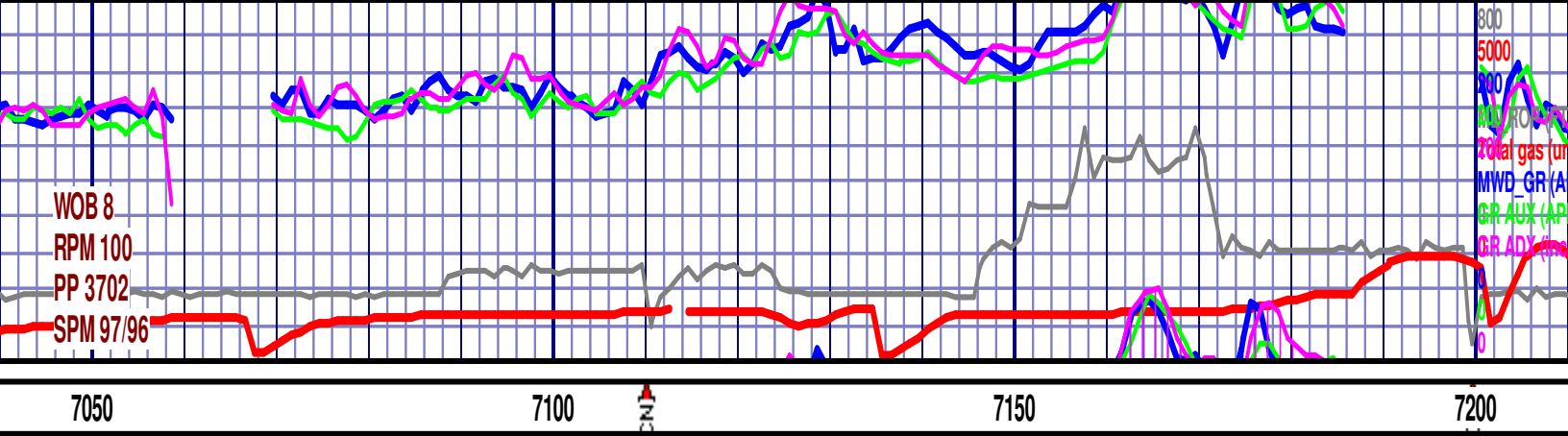
- Pinpoint
- Vuggy

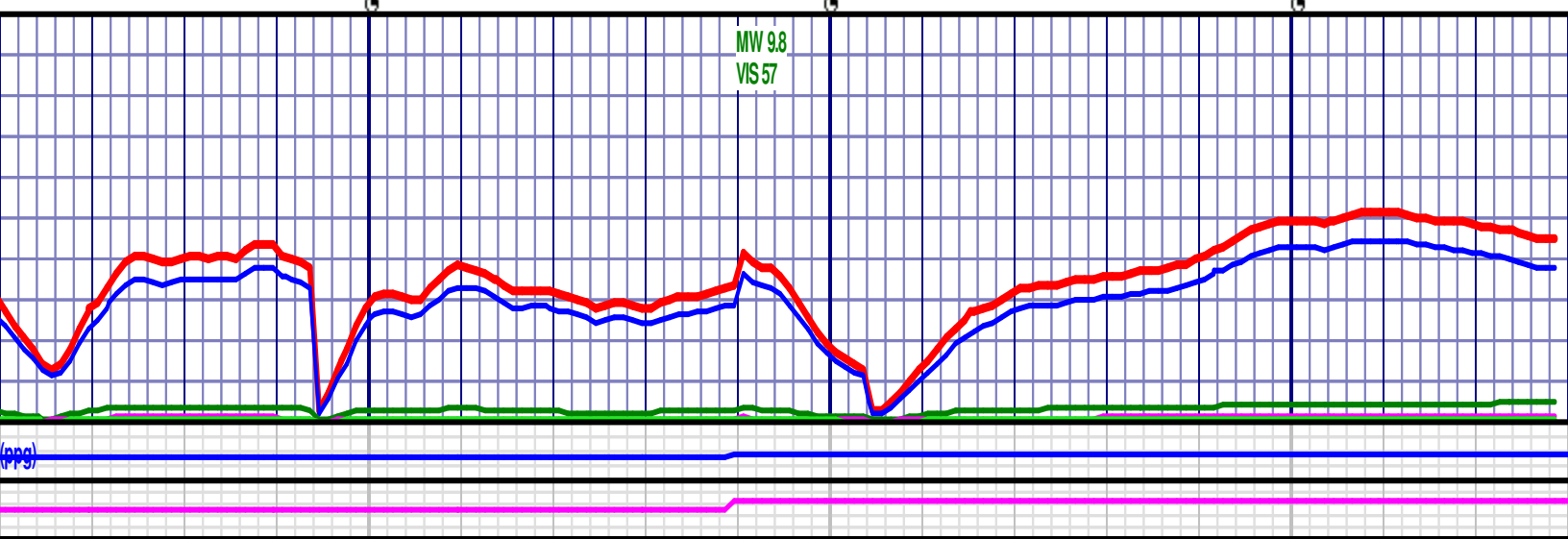
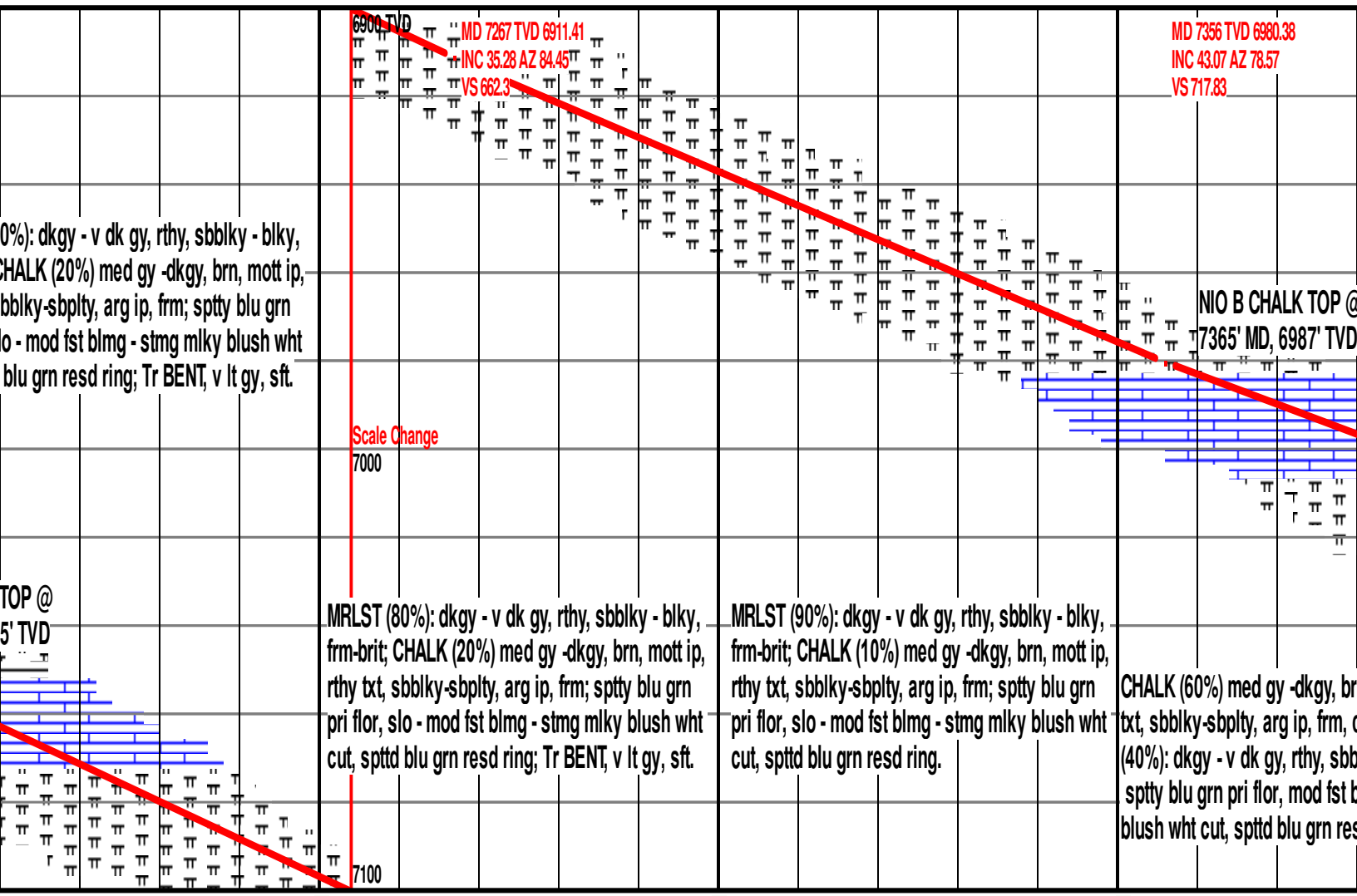
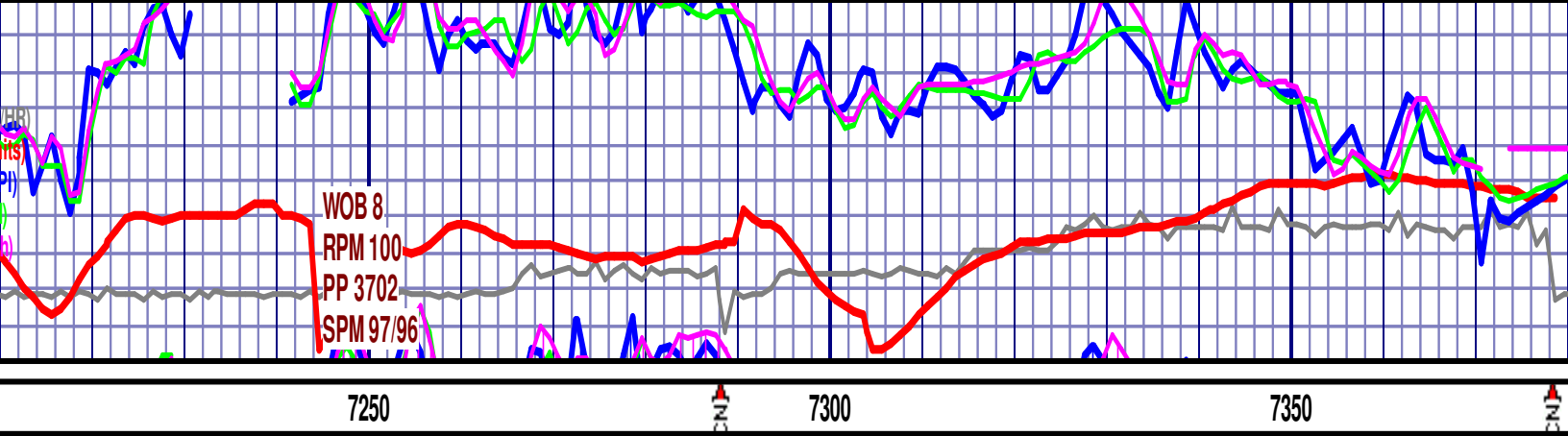
- ROUNDING
- Rounded
 - Subrnd
 - Subang

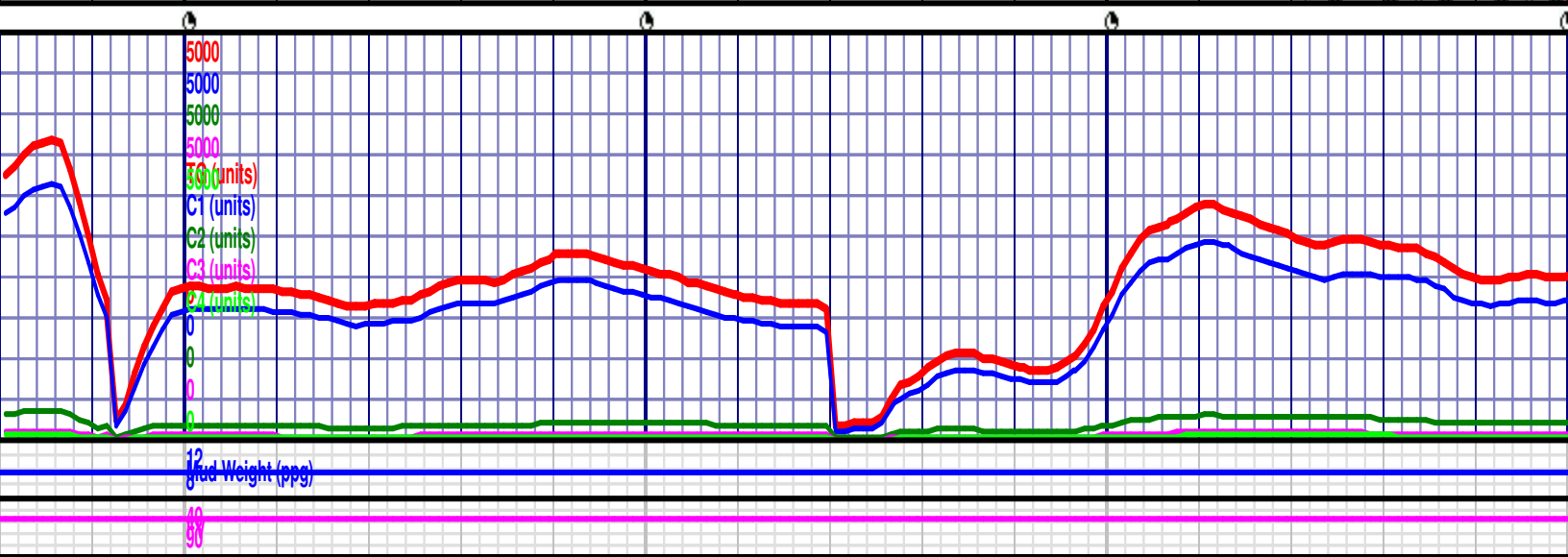
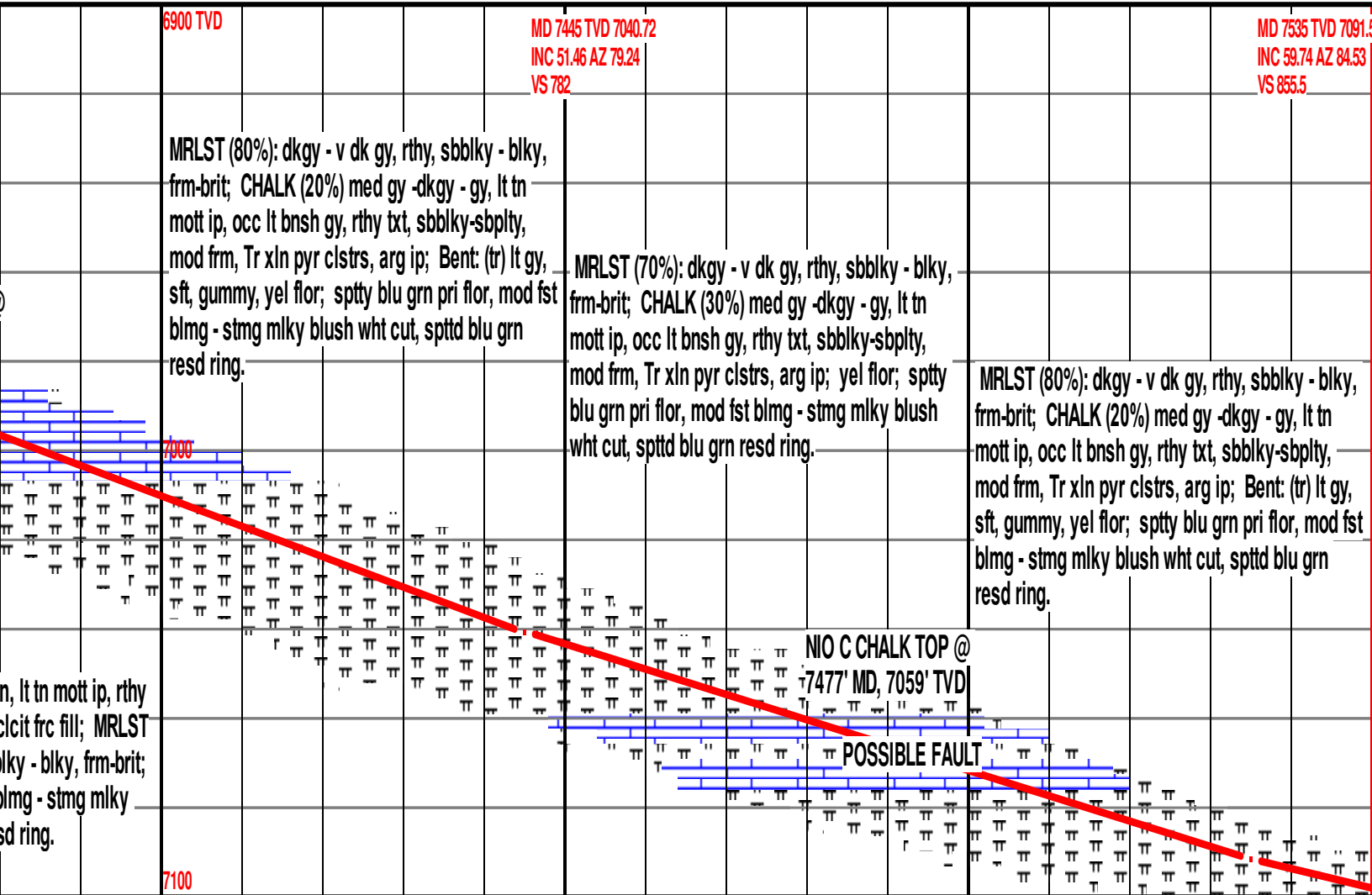
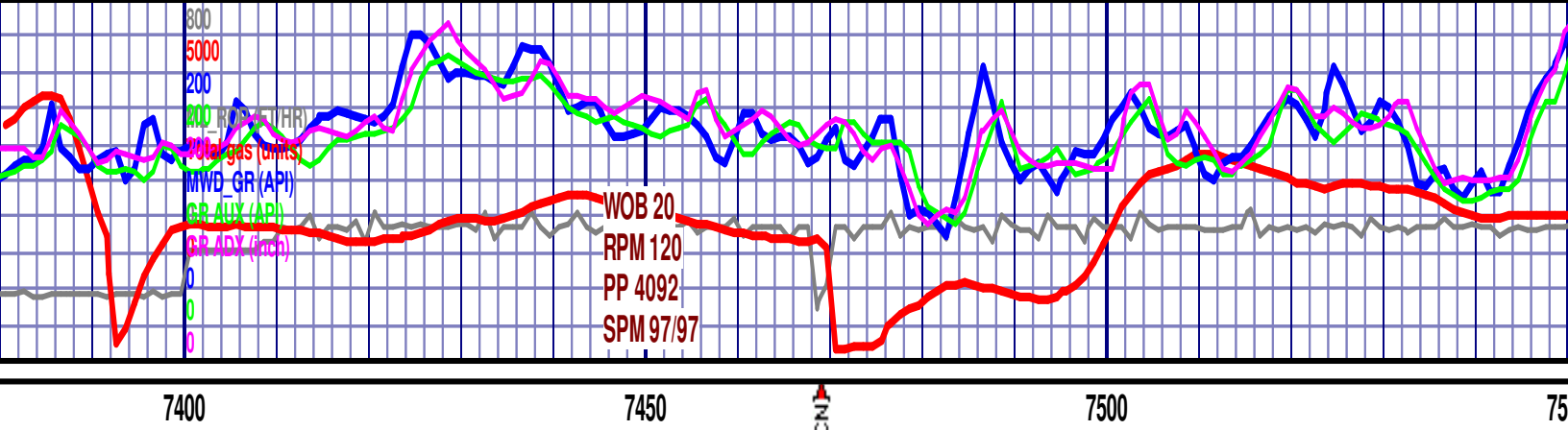
- Angular

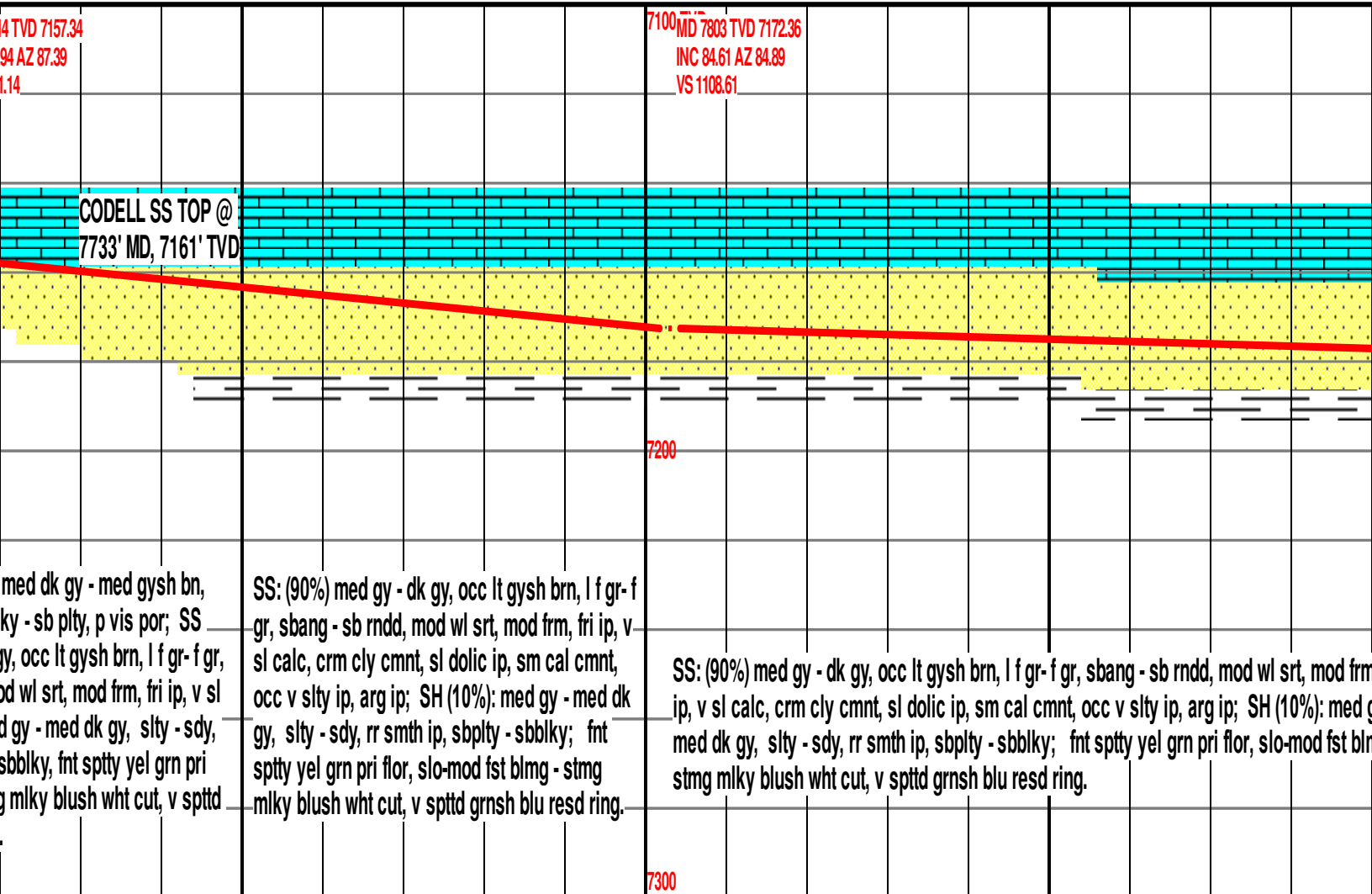
- SORTING
- Well
 - Moderate
 - Poor

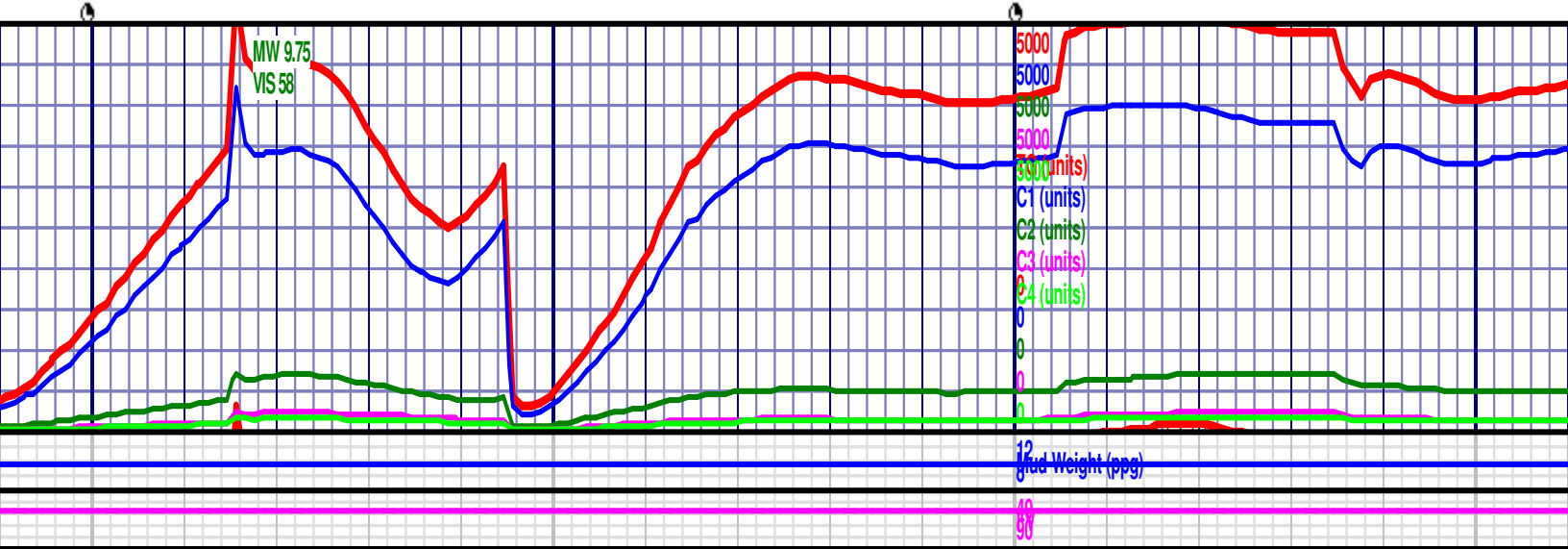
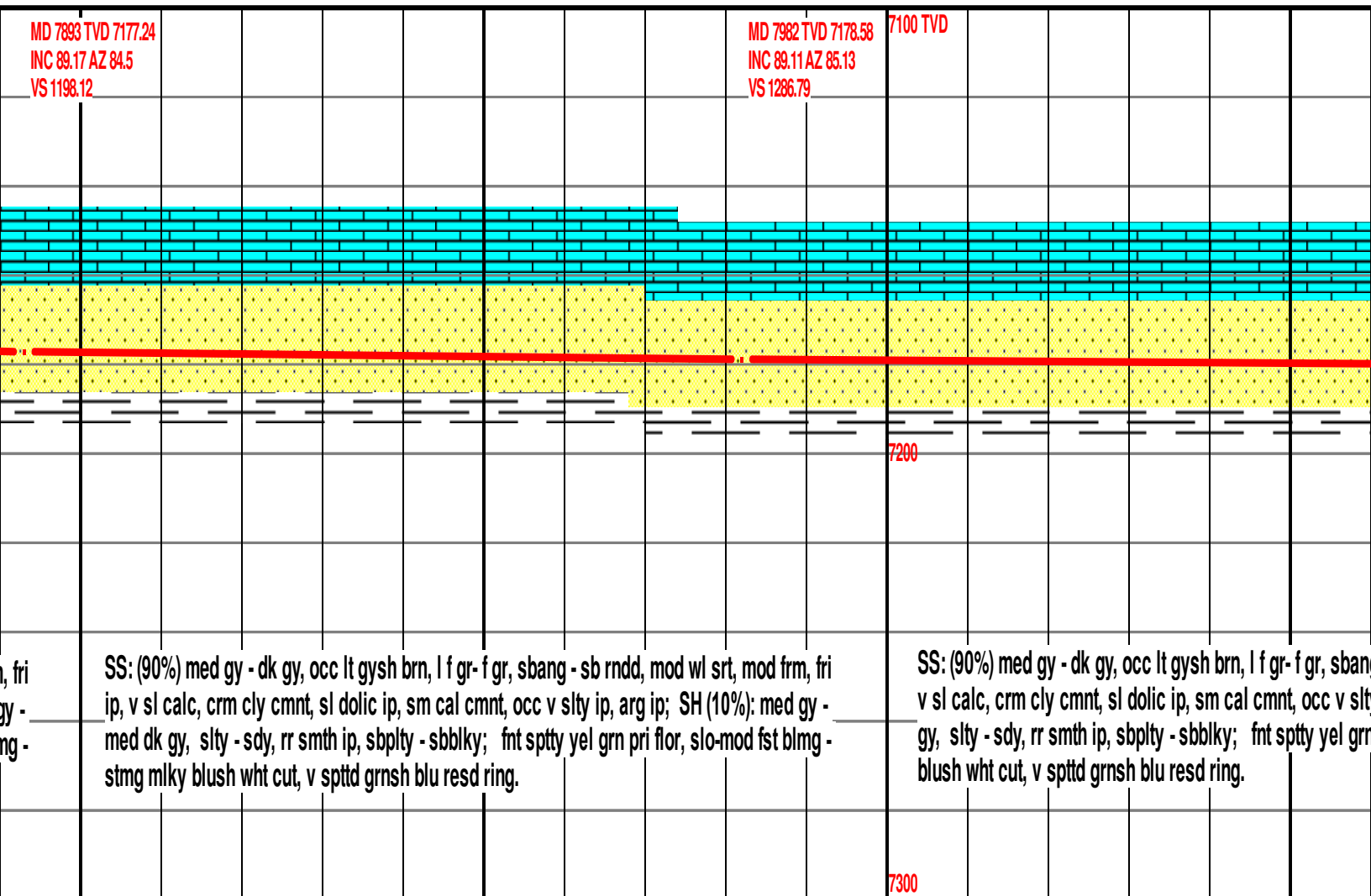
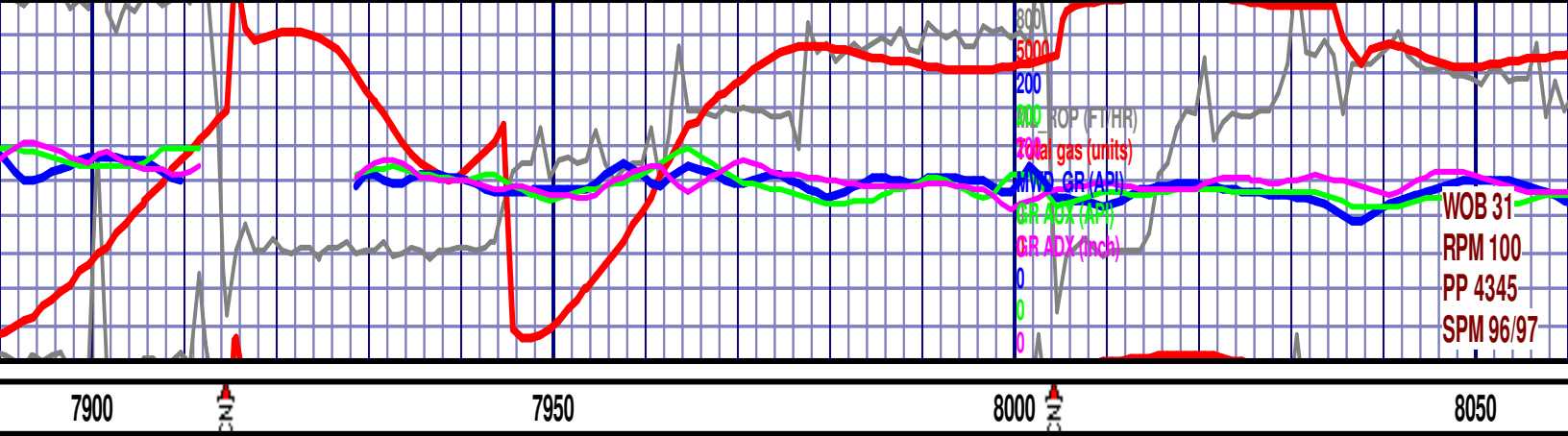


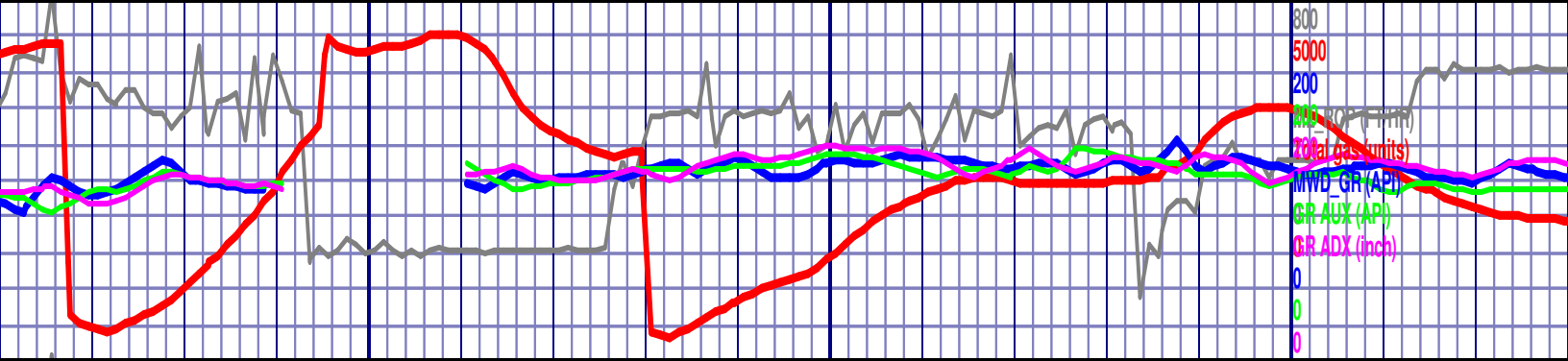












8100

8150

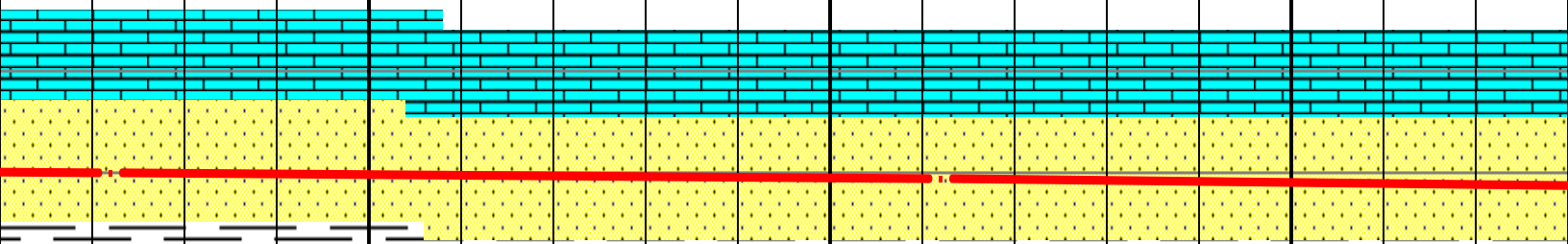


8200

MD 8072 TVD 7179.88
INC 89.23 AZ 86.54
VS 1376.58

MD 8162 TVD 7181.23
INC 89.05 AZ 88.58
VS 1466.51

7100 TVD



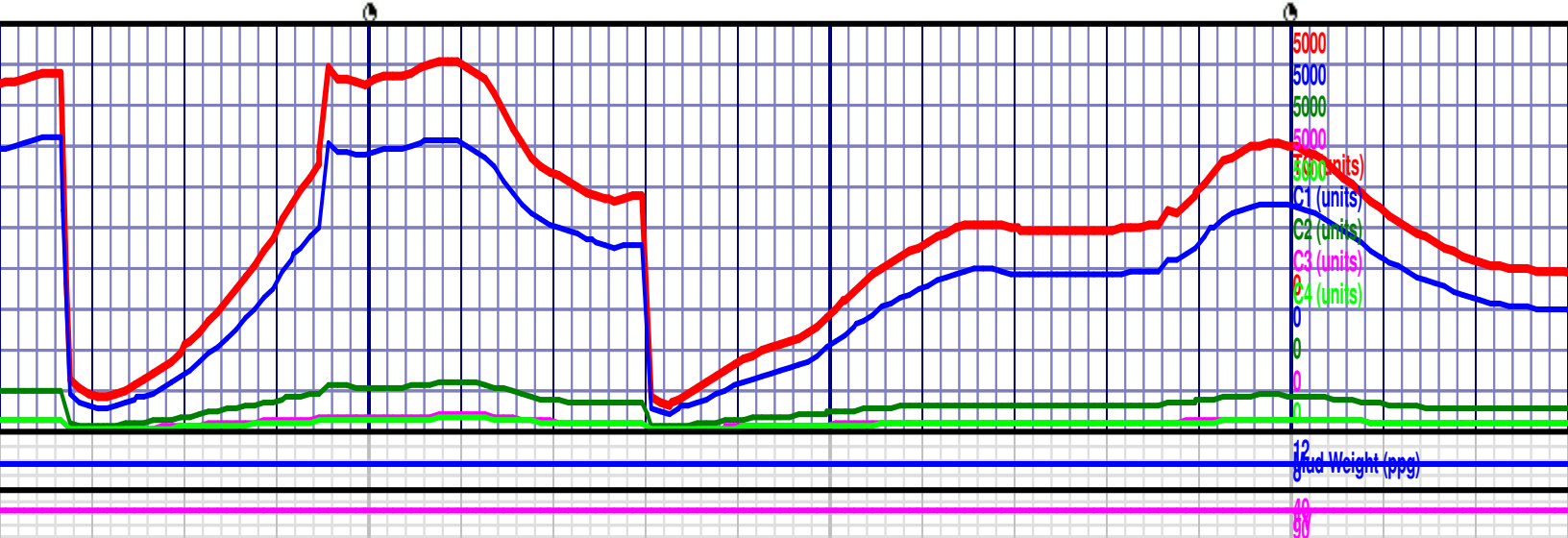
7200

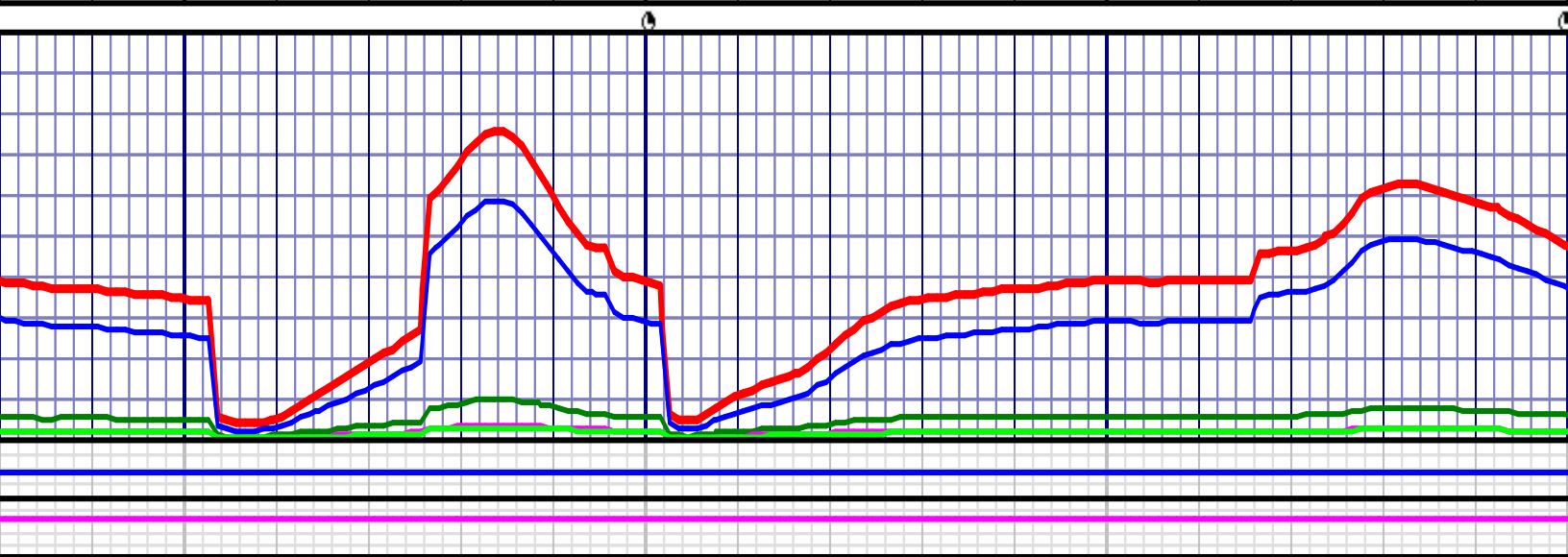
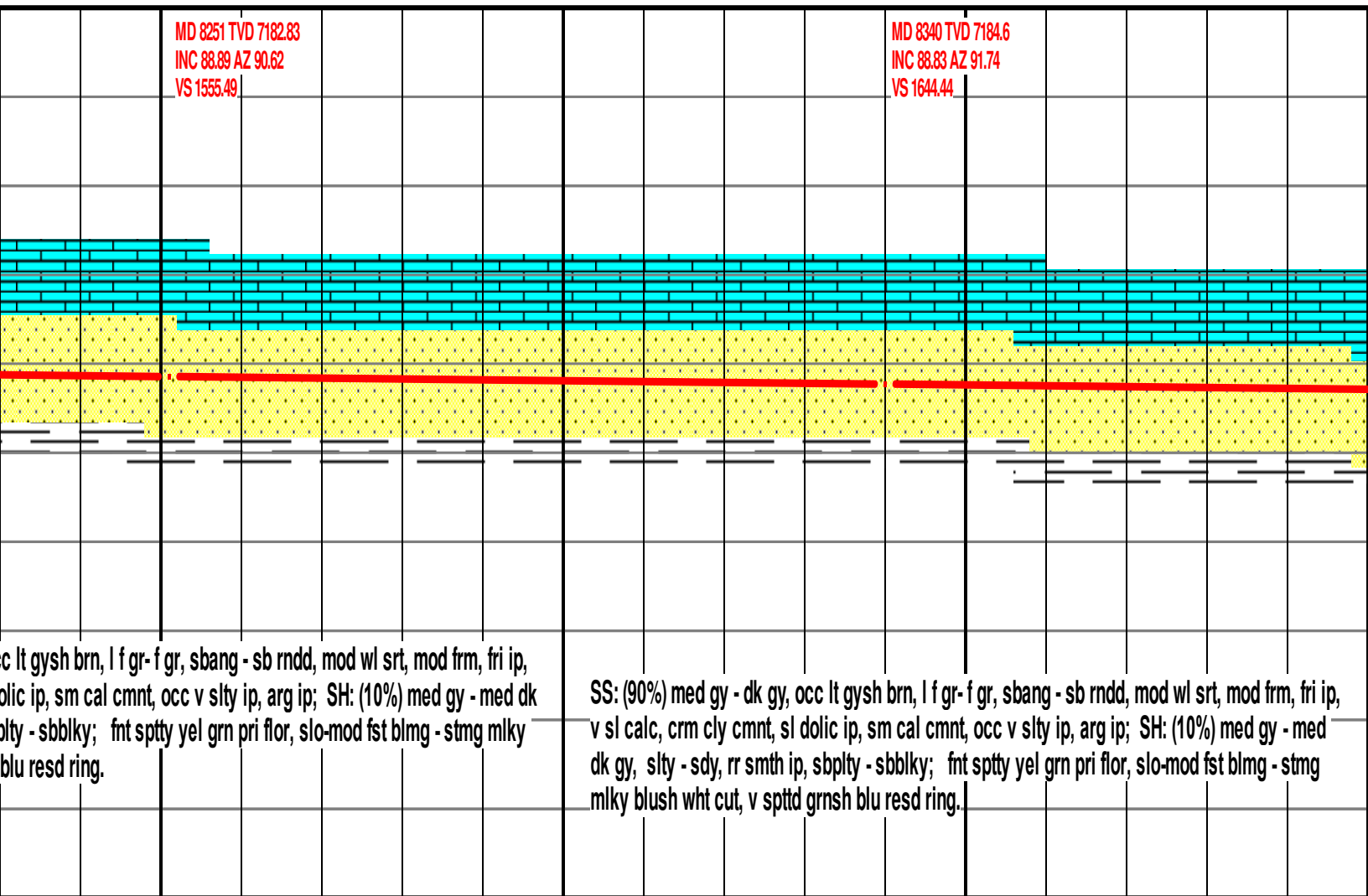
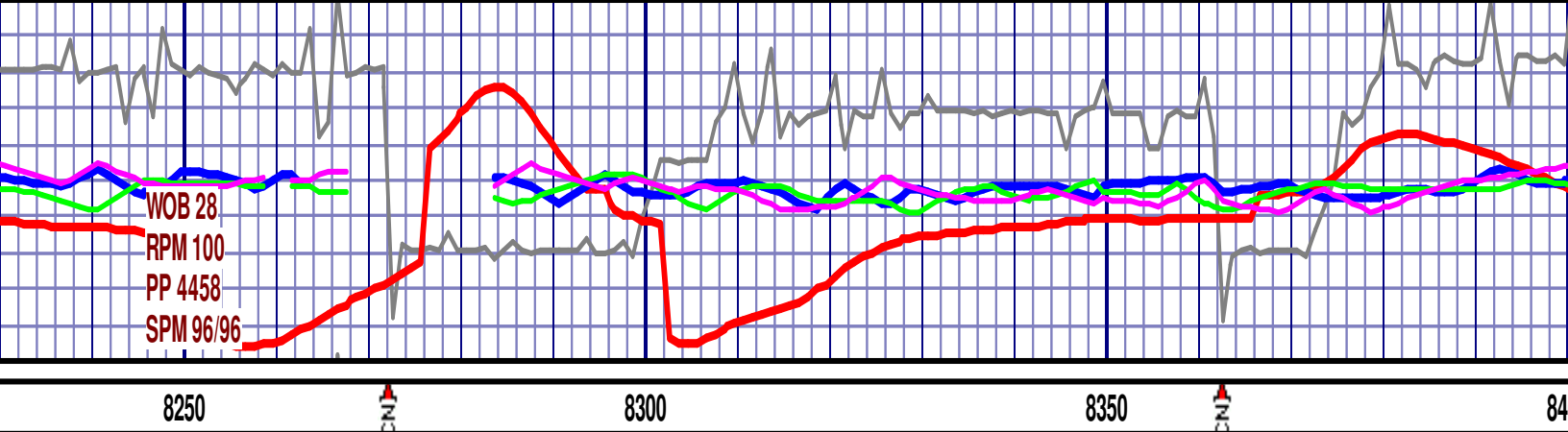
g - sb rndd, mod wl srt, mod frm, fri ip,
y ip, arg ip; SH: (10%) med gy - med dk
pri flor, slo-mod fst blmg - stmg mlky

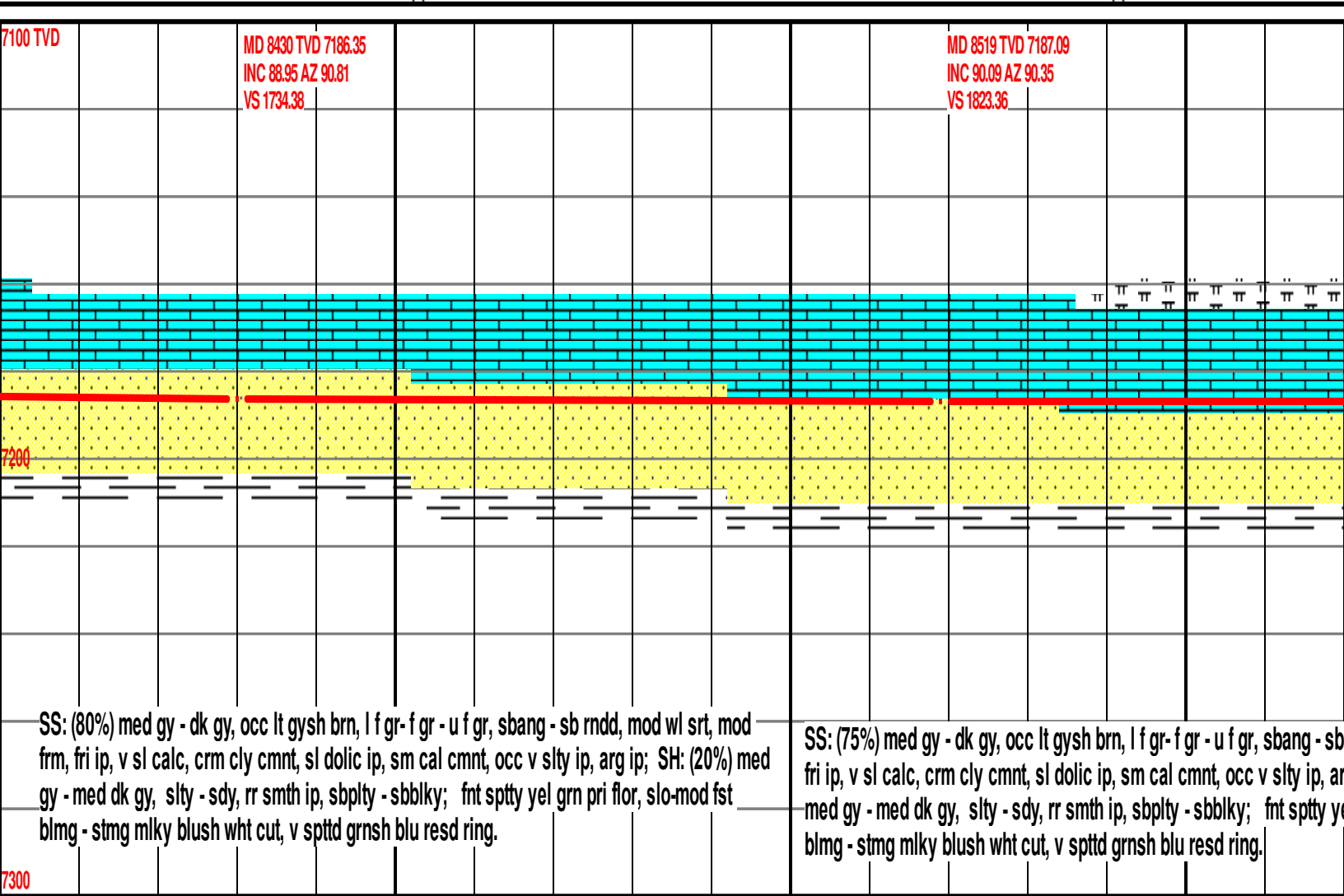
SS: (90%) med gy - dk gy, occ lt gysh brn, l f gr- f gr, sbang - sb rndd, mod wl srt, mod frm, fri ip,
v sl calc, crm cly cmnt, sl dolc ip, sm cal cmnt, occ v slty ip, arg ip; SH: (10%) med gy - med
dk gy, slty - sdy, rr smth ip, sbply - sbbly; fnt spty yel grn pri flor, slo-mod fst blmg - stmg
mlky blush wht cut, v spttd grnsh blu resd ring.

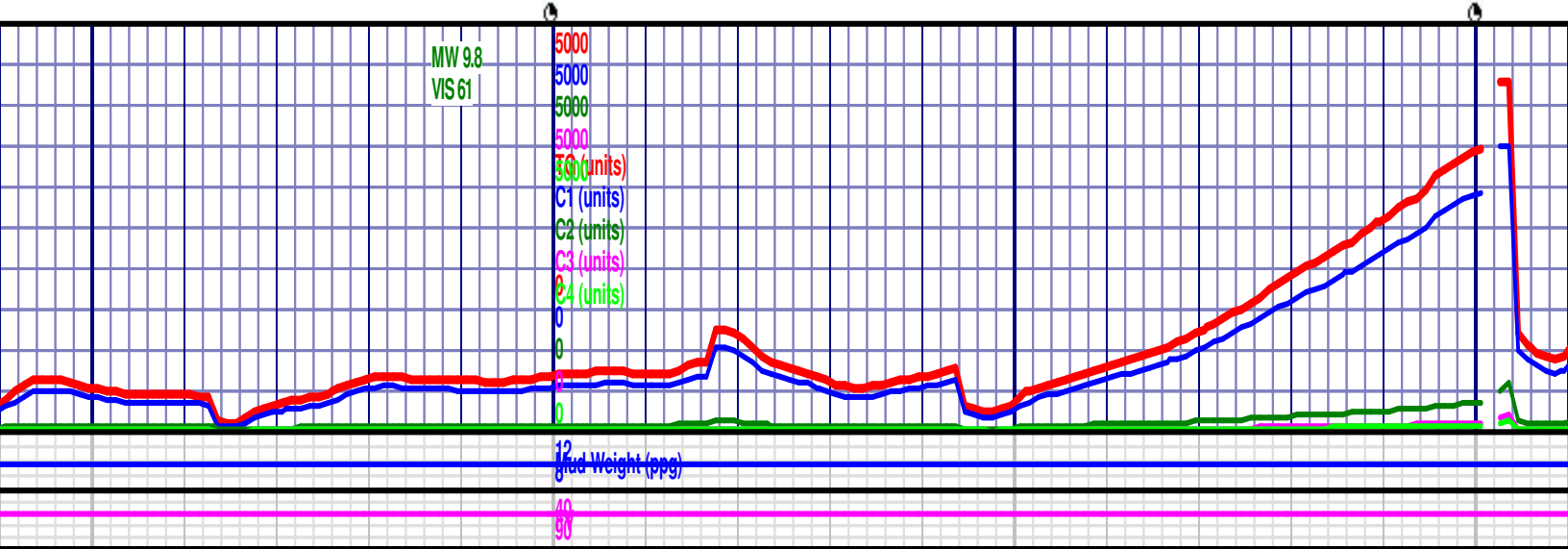
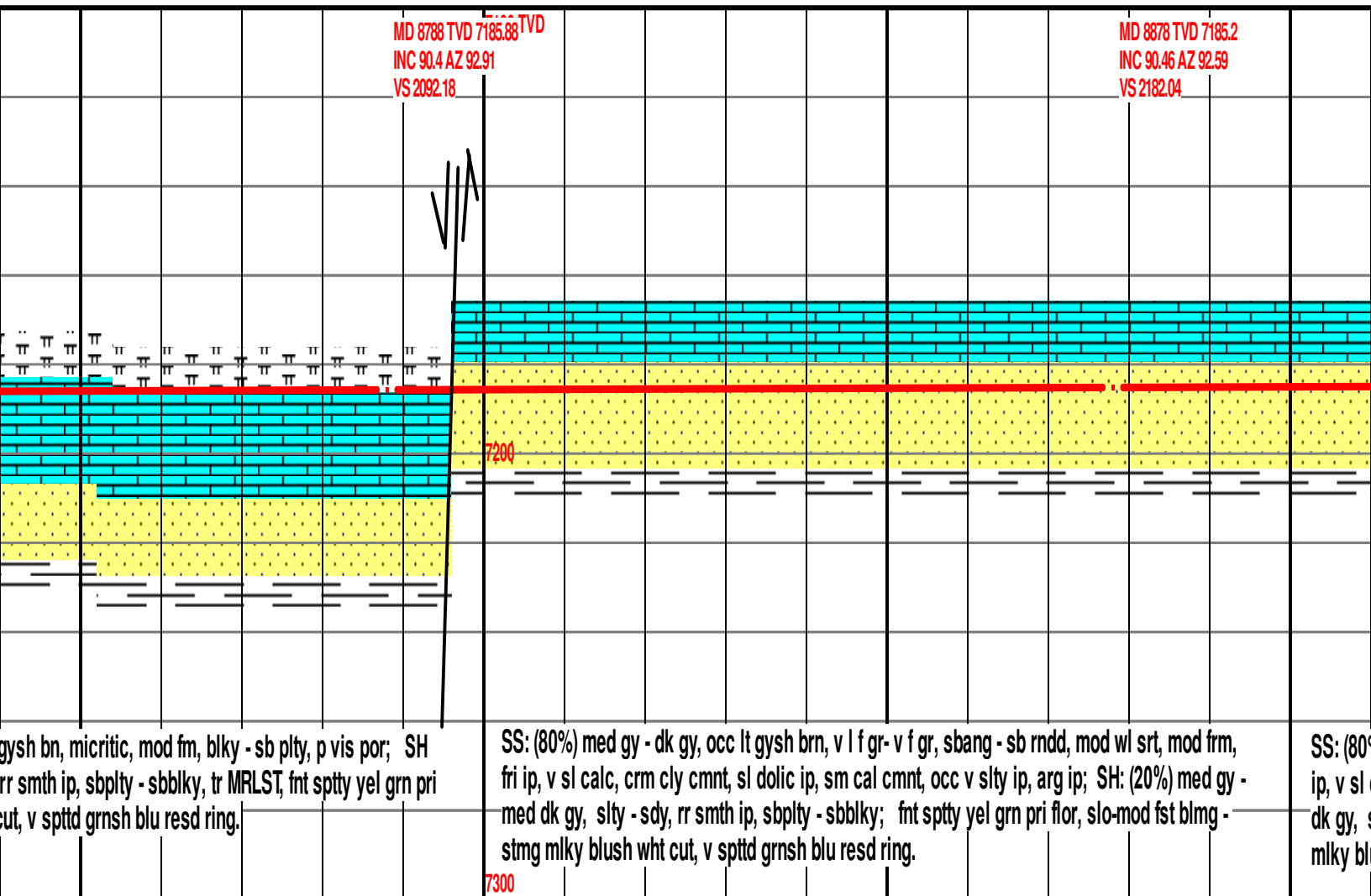
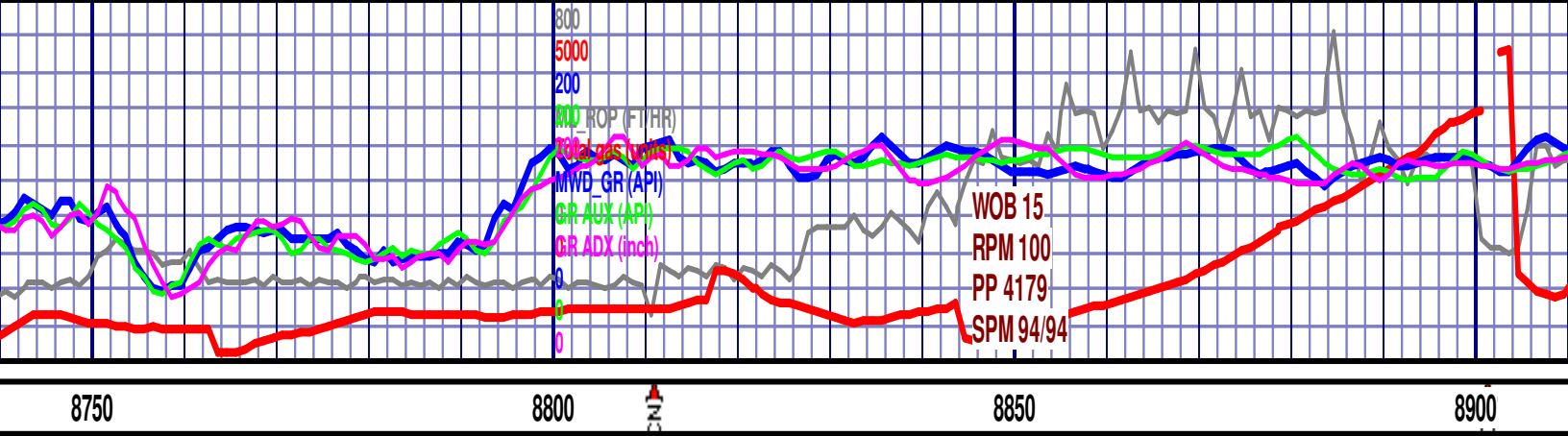
SS: (90%) med gy - dk gy, oc
v sl calc, crm cly cmnt, sl d
gy, slty - sdy, rr smth ip, sbp
blush wht cut, v spttd grnsh

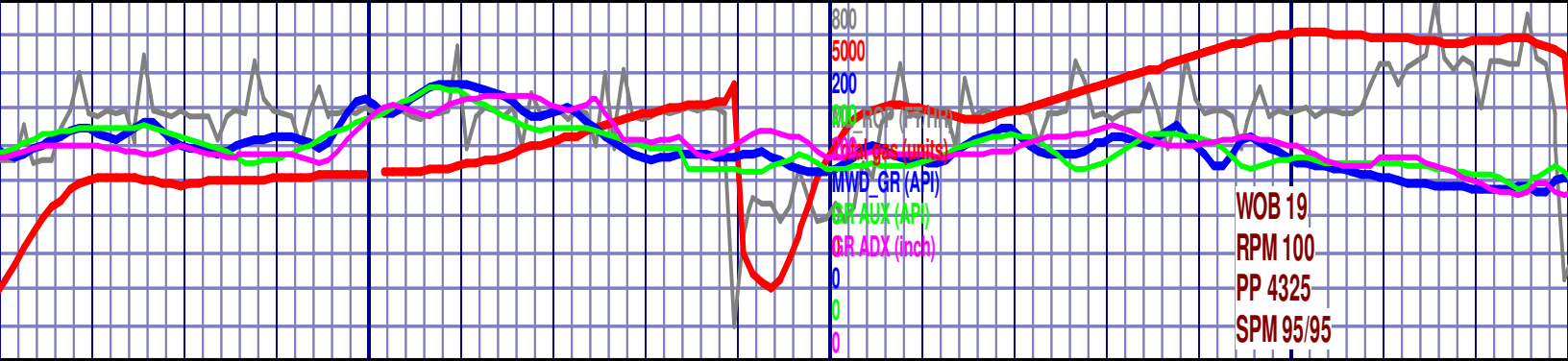
7300











8950

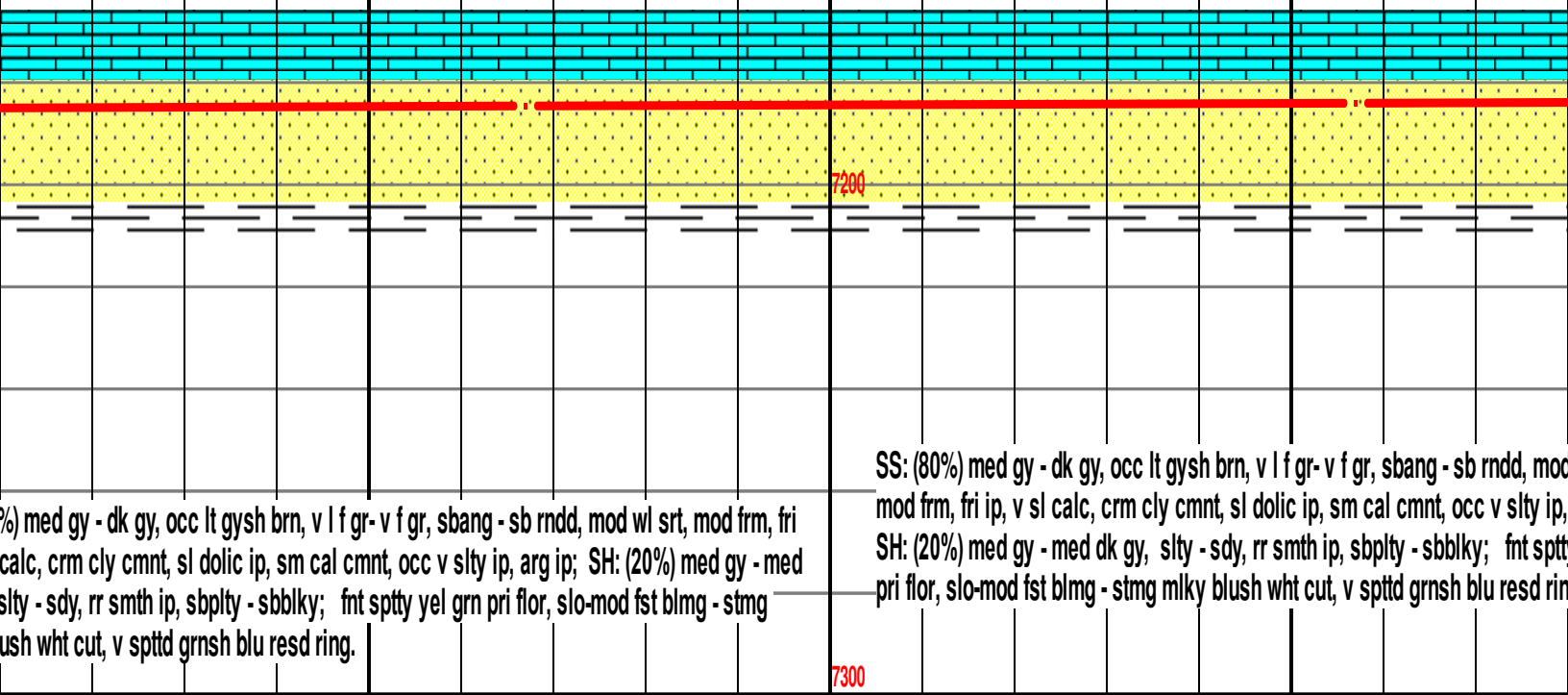
9000

9050

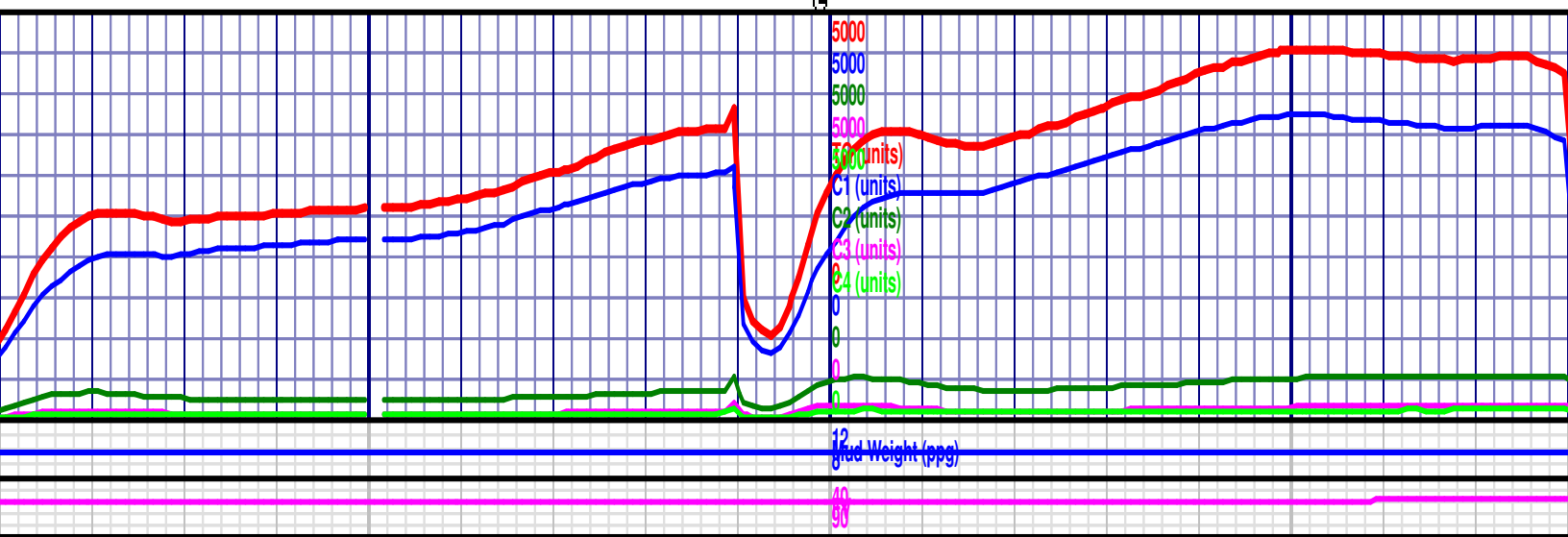
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INC 90.28 AZ 91.99
VS 2270.94

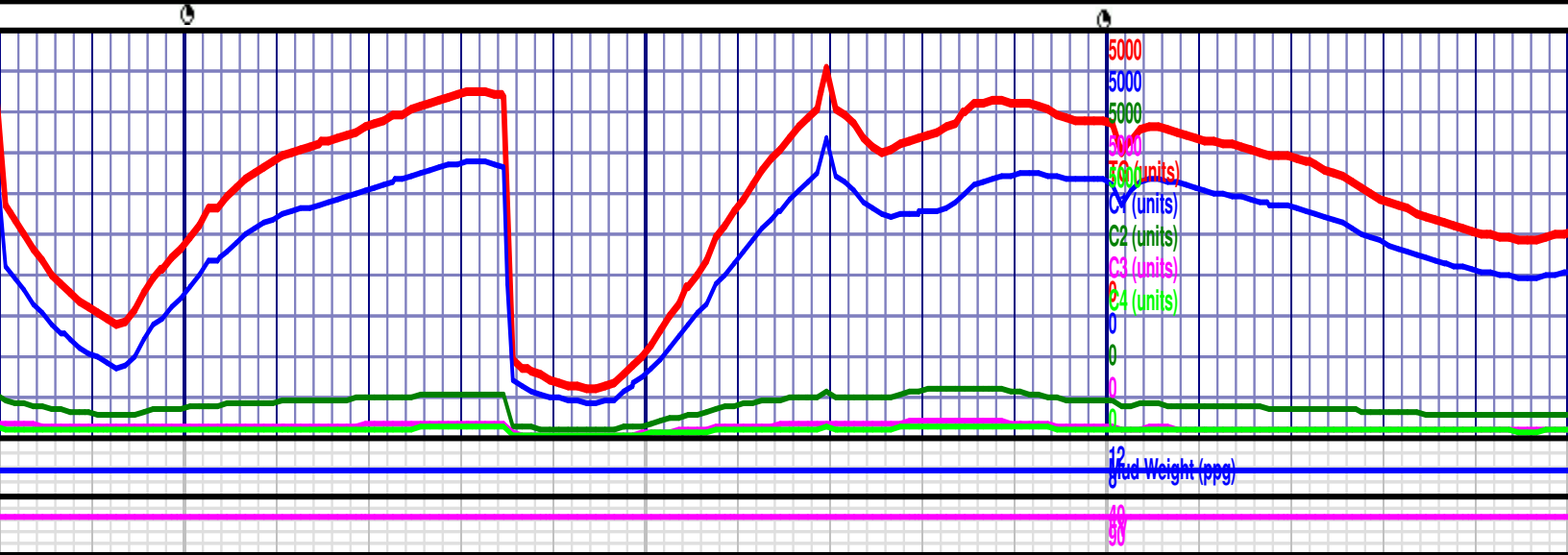
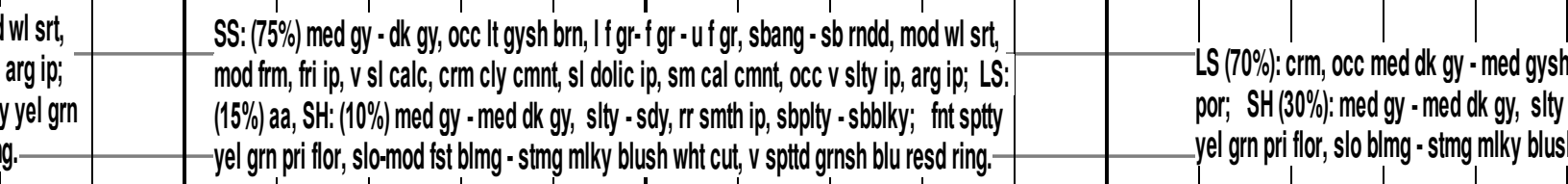
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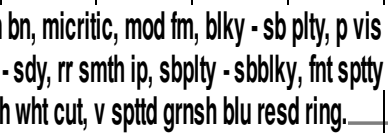
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INC 90.4 AZ 92.65
VS 2360.84



7300

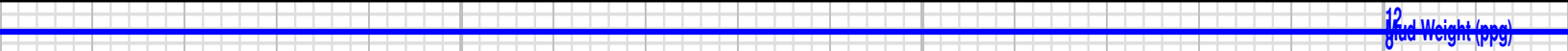


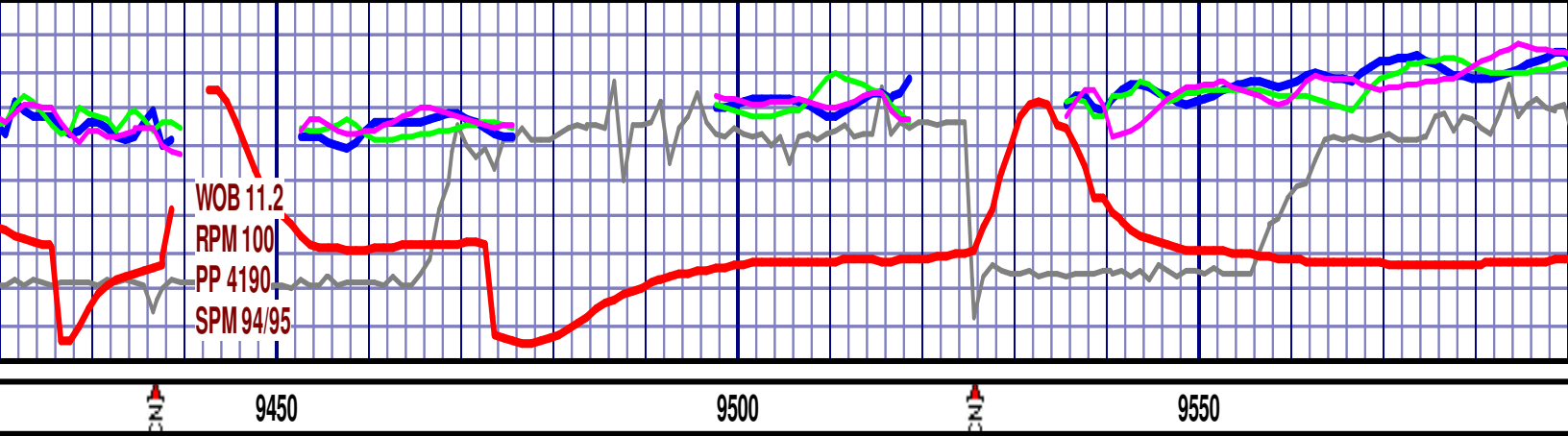




LS (60%): crm, occ med dk gy - med gysh bn, micritic, mod fm, blk y - sb plty, p vis por; SH (40%): med gy - med dk gy, slty - sdy, rr smth ip, sbplty - sbbkly, fnt sppty yel grn pri flor, slo blmg - stmg mlky blush wht cut, v spstd grnsh blu resd ring.

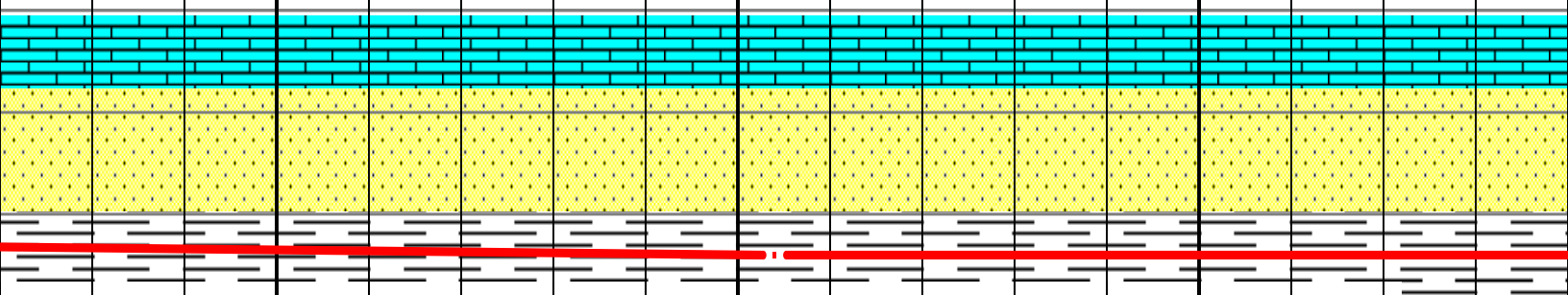
SH (80%): med
—(10%): med g
ip, calc, crm
med dk gy -
—flor, slo-mod

40
88



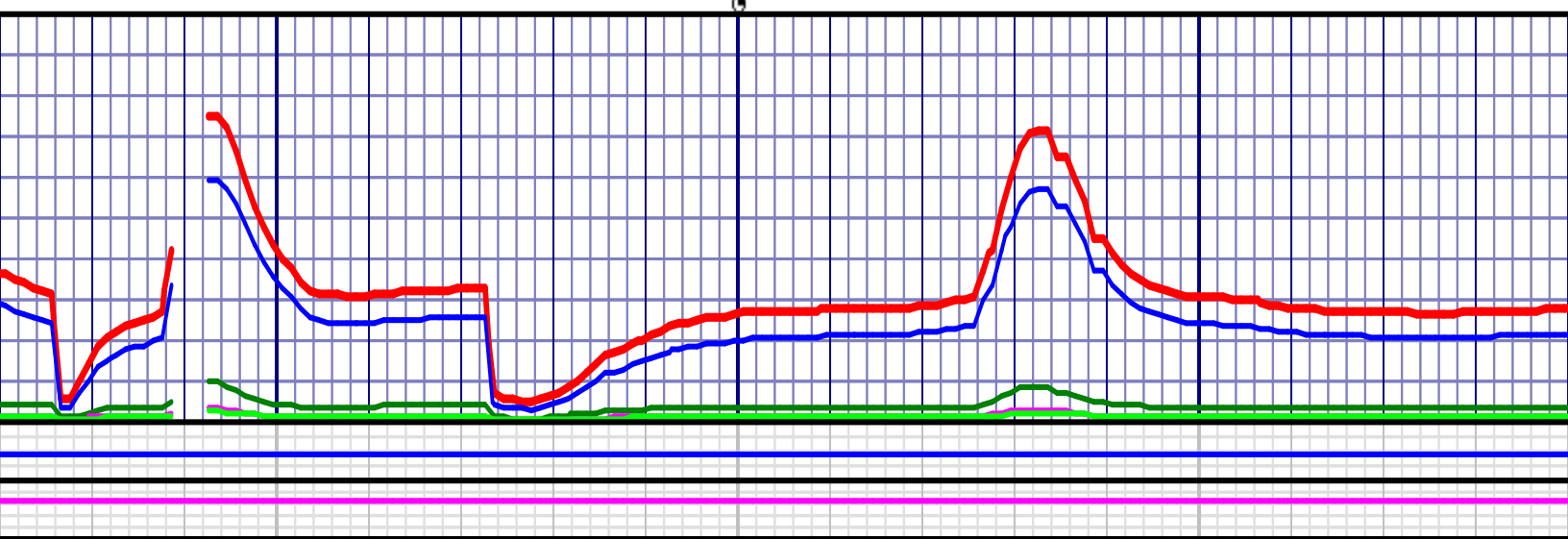
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24 AZ 90.99
7.69

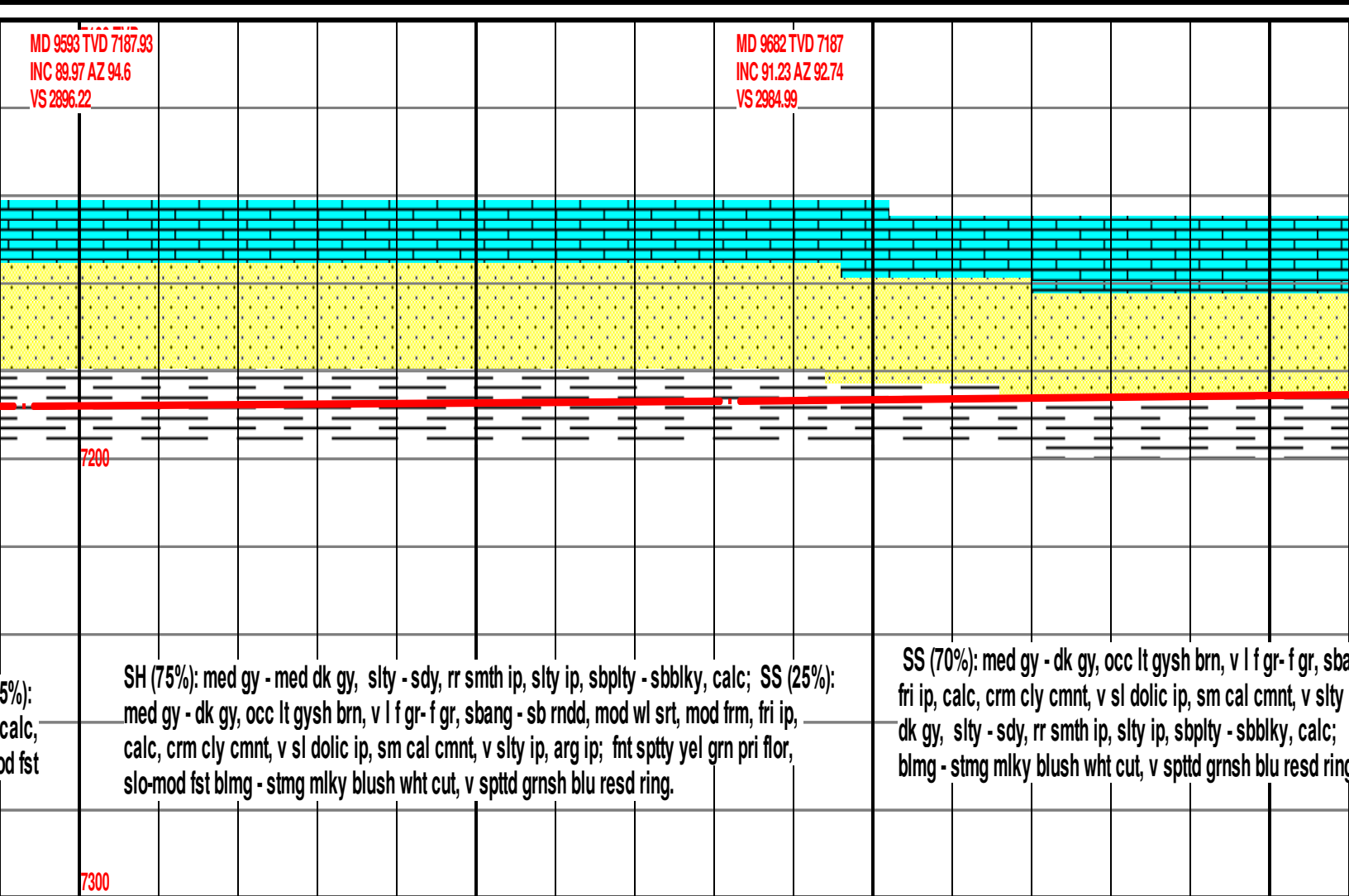
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INC 89.85 AZ 94.34
VS 2807.54

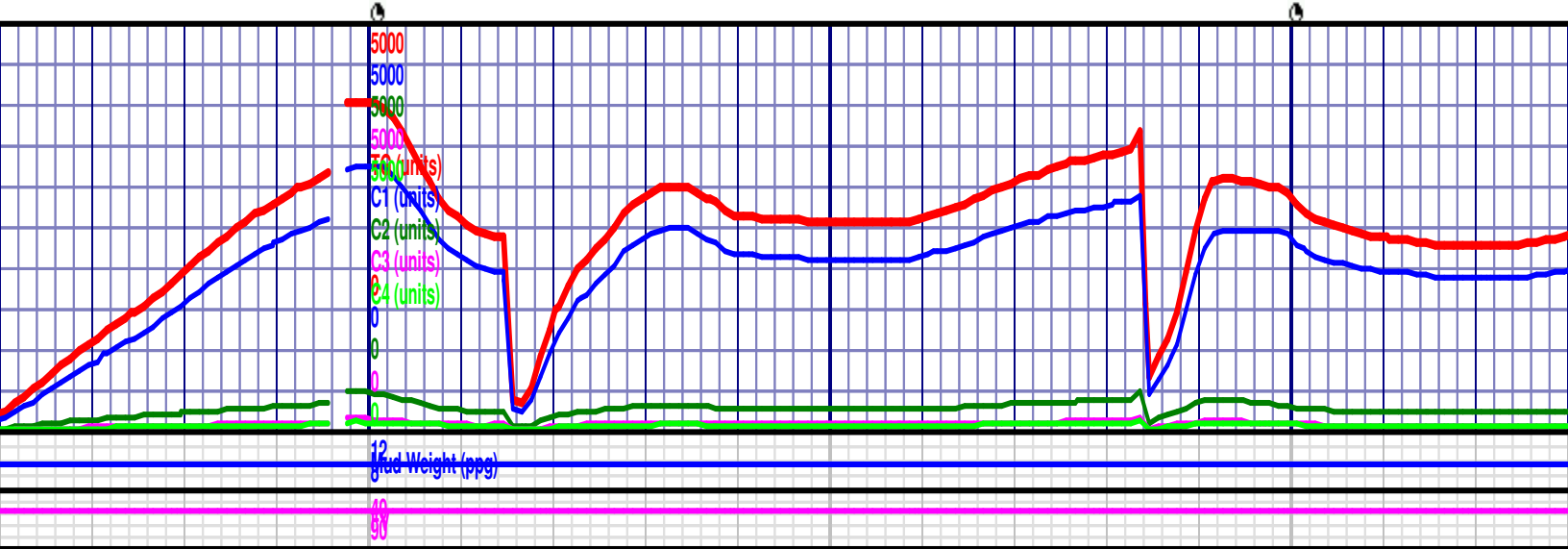
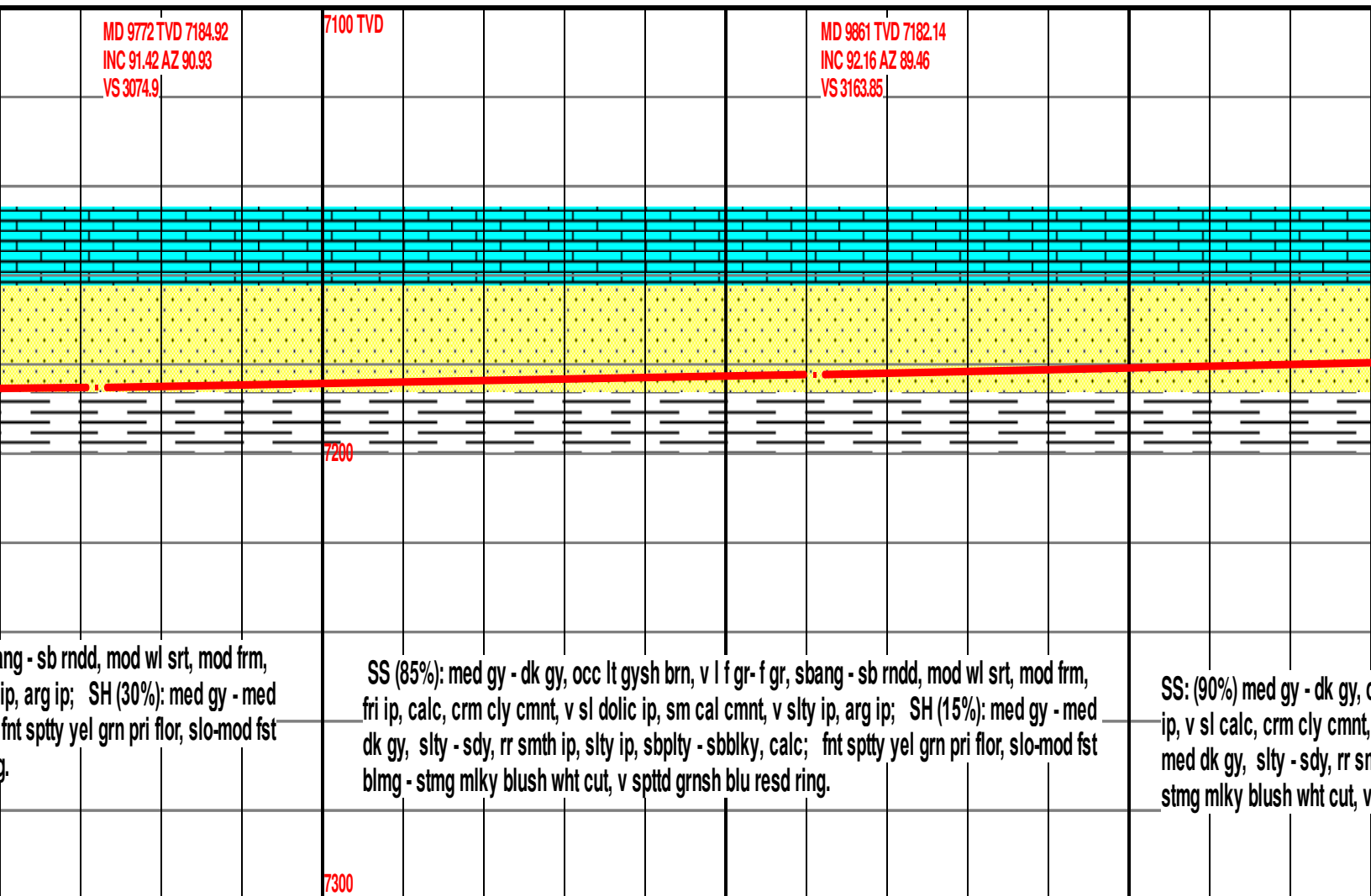
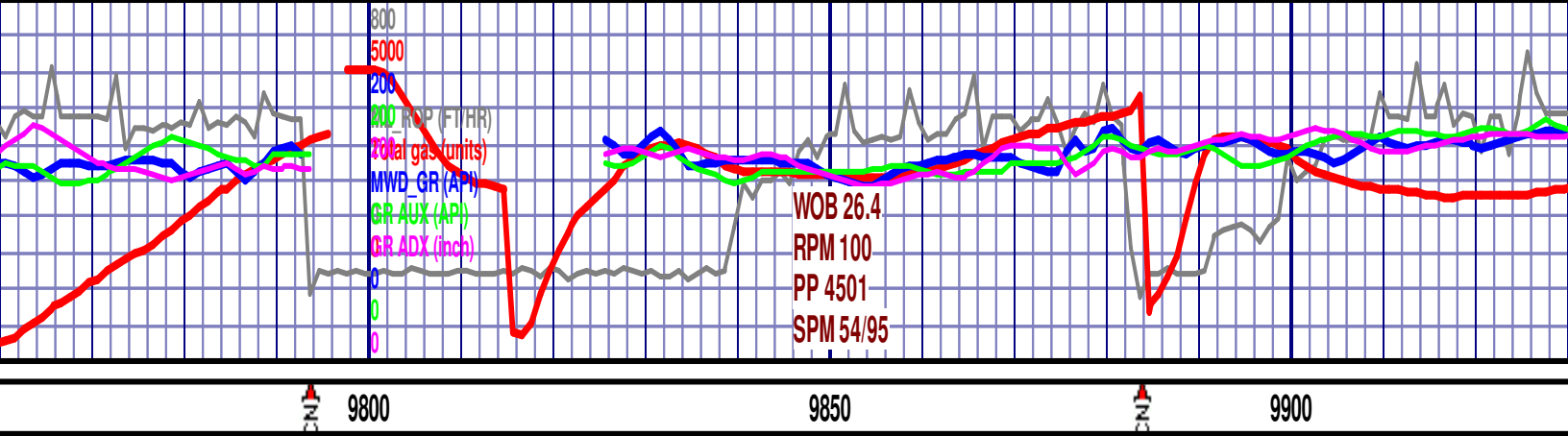


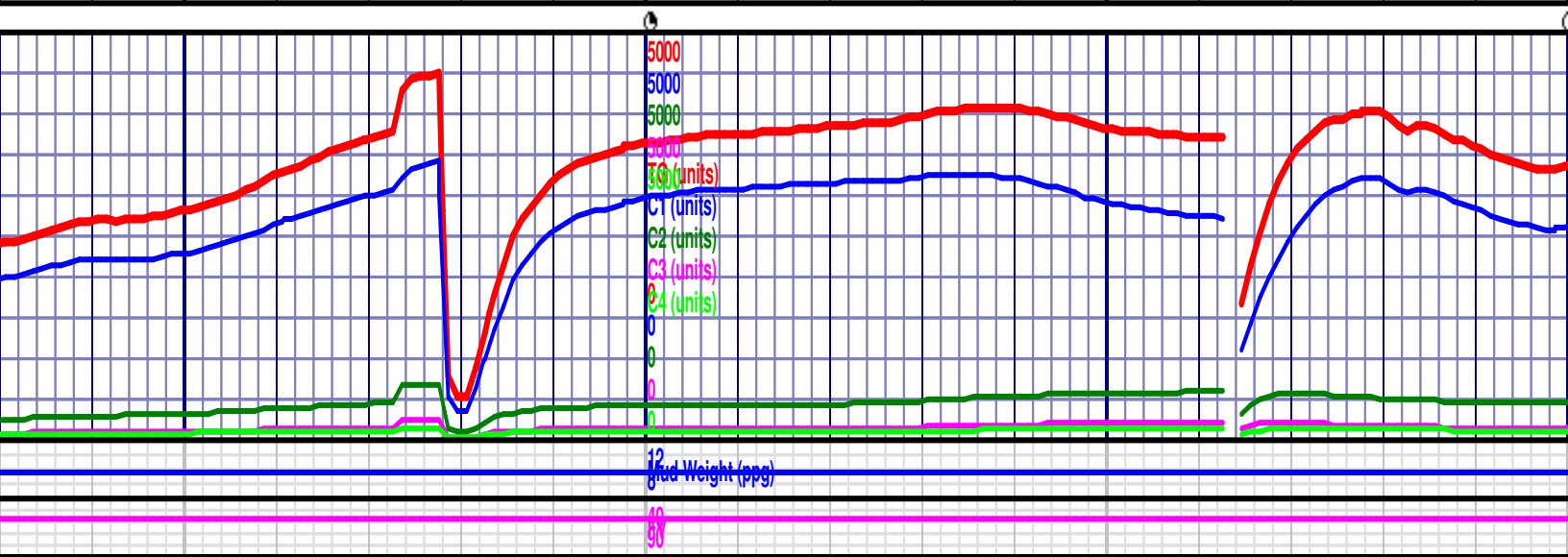
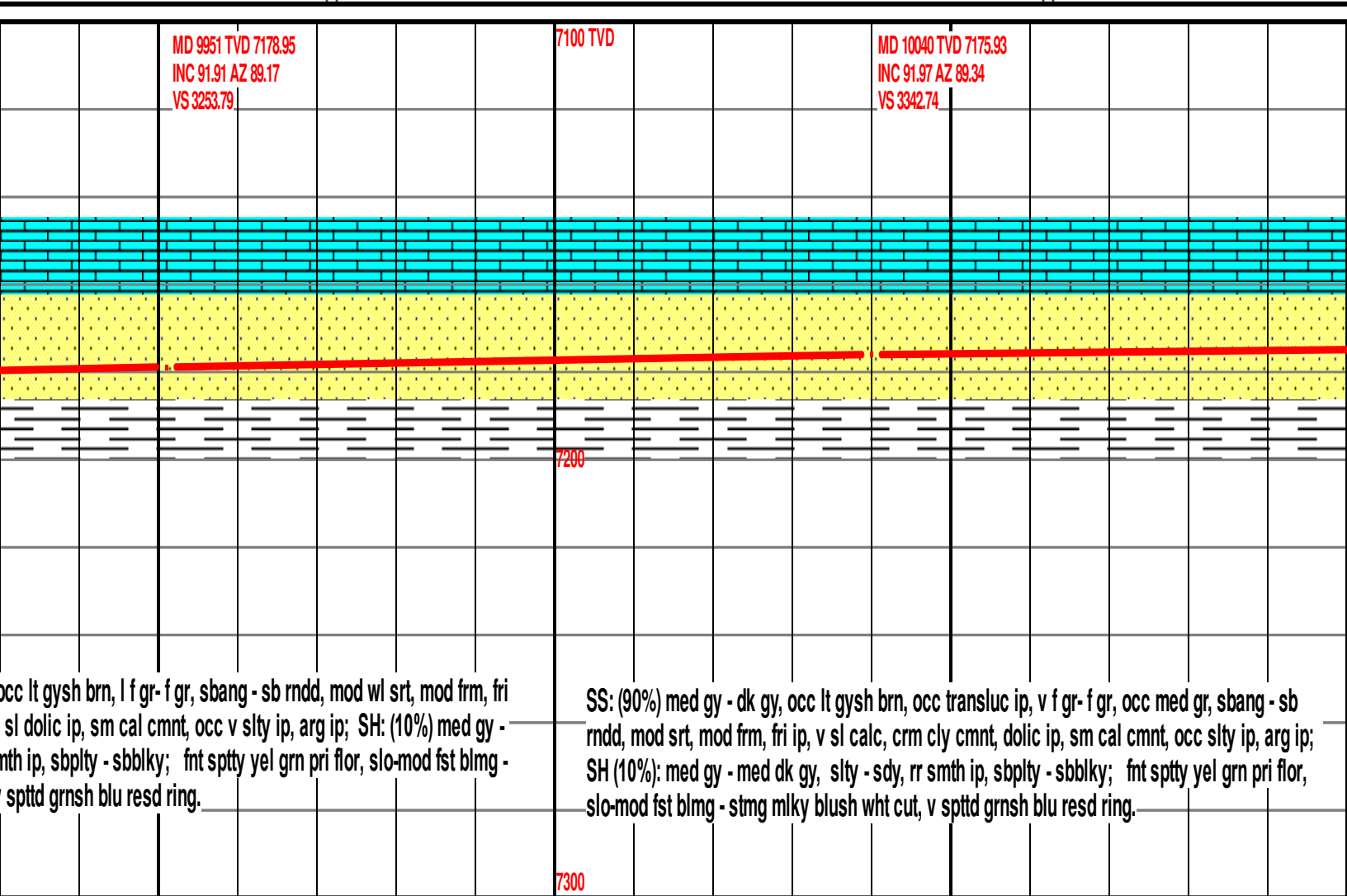
med gy - med dk gy, slty - sdy, rr smth ip, slty ip, sbply - sbblky, calc; SS
gy - dk gy, occ lt gysh brn, l f gr- f gr, sbang - sb rndd, mod wl srt, mod frm, fri
cly cmnt, sl dolc ip, sm cal cmnt, occ v slty ip, arg ip; LS (10%): crm, occ
med gysh bn, micritic, mod fm, blk - sb ply, p vis por; fnt spty yel grn pri
fst blmg - stmg milky blush wht cut, v spttd grnsh blu resd ring.

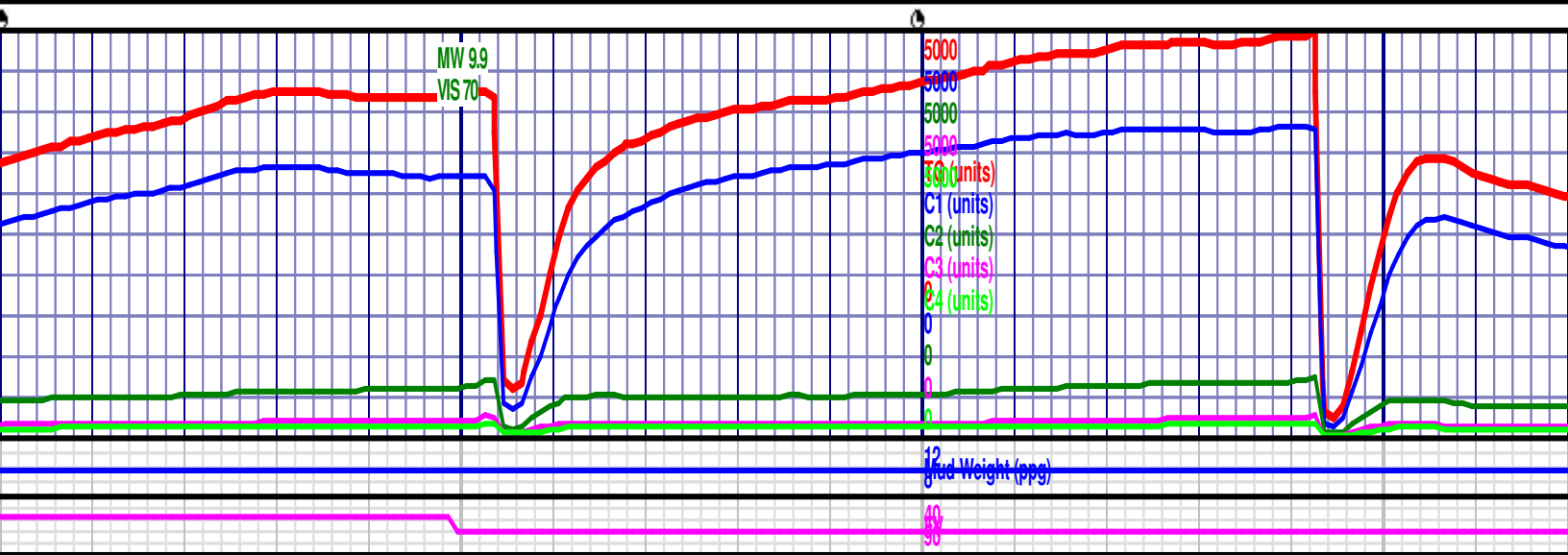
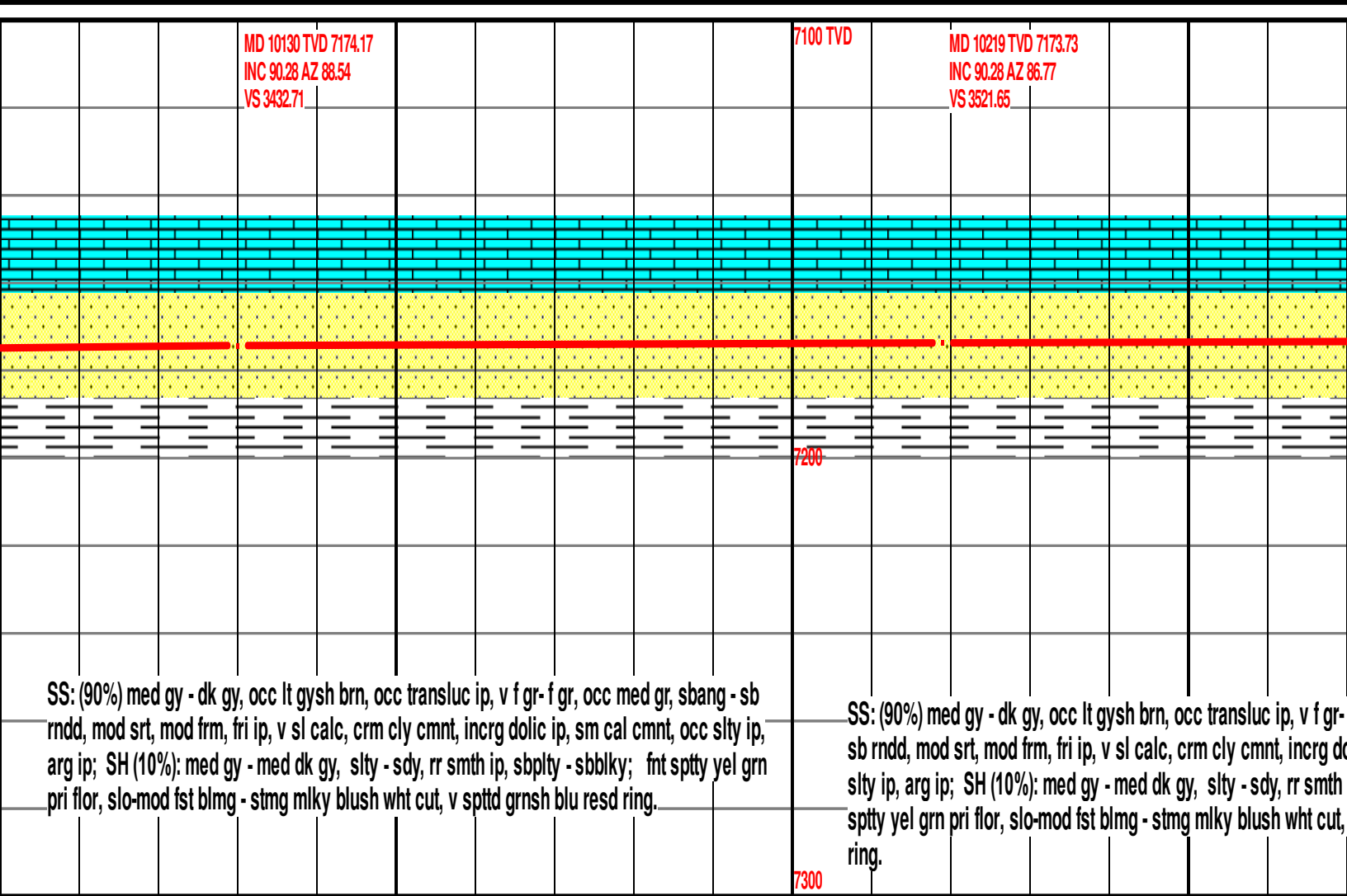
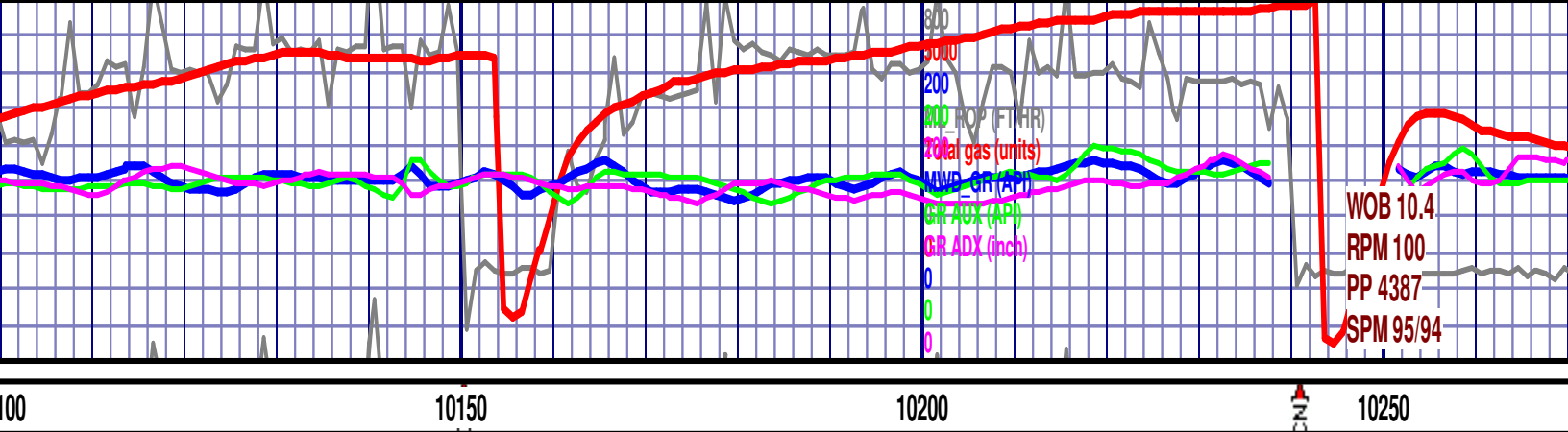
SH (85%): med gy - med dk gy, slty - sdy, rr smth ip, slty ip, sbply - sbblky, calc; SS (1
med gy - dk gy, occ lt gysh brn, v l f gr- f gr, sbang - sb rndd, mod wl srt, mod frm, fri ip,
crm cly cmnt, v sl dolc ip, sm cal cmnt, v slty ip, arg ip; fnt spty yel grn pri flor, slo-m
blmg - stmg milky blush wht cut, v spttd grnsh blu resd ring.

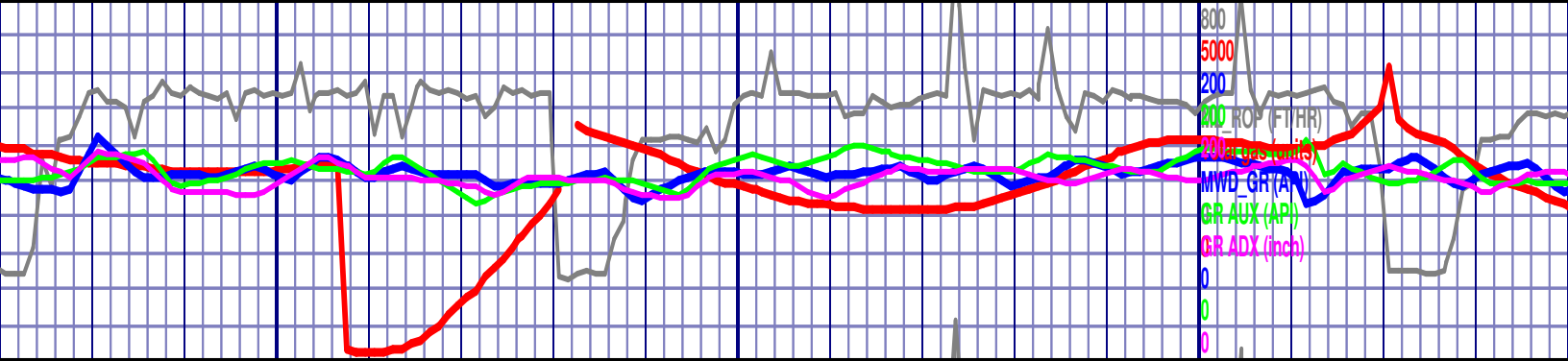












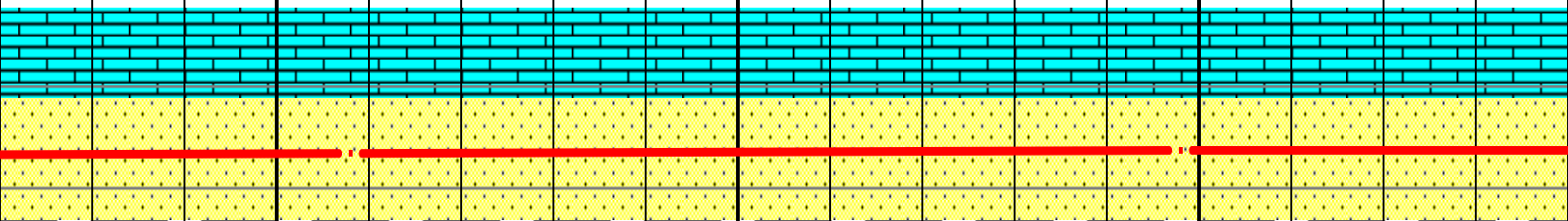
10300

10350

10400

MD 10308 TVD 7173.23
INC 90.37 AZ 87.42
VS 3610.56

MD 10398 TVD 7172.74
INC 90.25 AZ 87.79
VS 3700.5



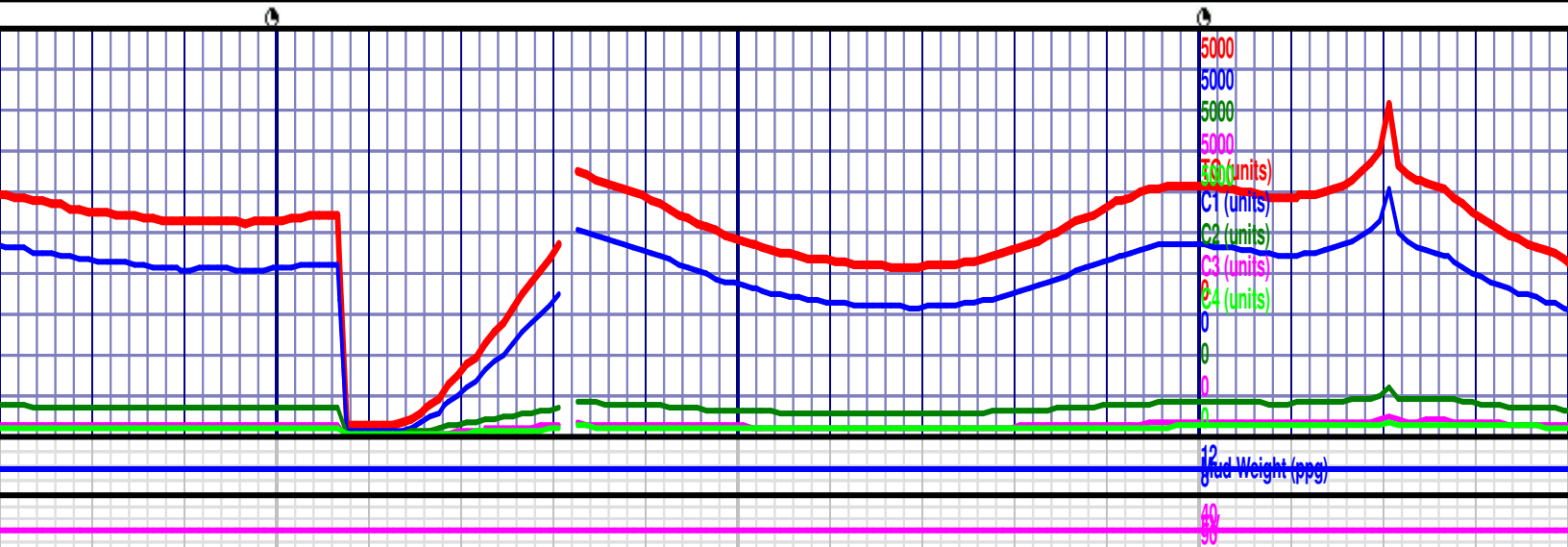
7200

f gr, occ med gr, sbang -
dolic ip, sm cal cmnt, occ
ip, sbply - sbblky; fnt
v spttd grnsh blu resd

SS: (85%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr-f gr, occ med gr, sbang - sb rndd, mod srt, mod frm, fri ip, v sl calc, crm cly cmnt, incrg dolic ip, sm cal cmnt, occ slty ip, arg ip; SH (15%): med gy - med dk gy, slty - sdy, rr smth ip, sbply - sbblky; fnt sptty yel grn pri flor, slo-mod fst blmg - stmg mlky blush wht cut, v spttd grnsh blu resd ring.

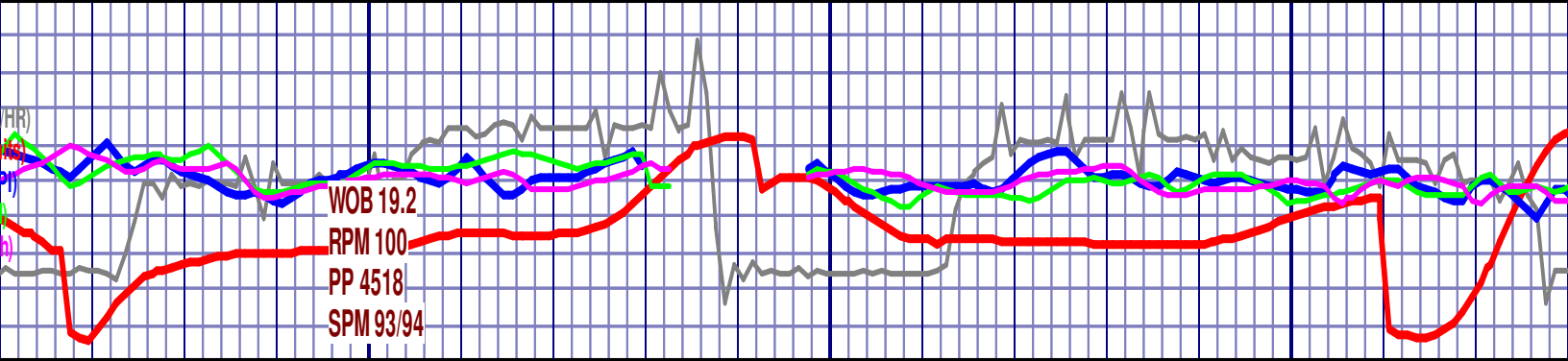
SS: (85%) med gy - dk gy, occ lt gy
rndd, mod srt, mod frm, fri ip, v sl
ip, arg ip; SH (15%): med gy - me
grn pri flor, slo-mod fst blmg - stm

7300



Red Weight (ppg)

40



10650



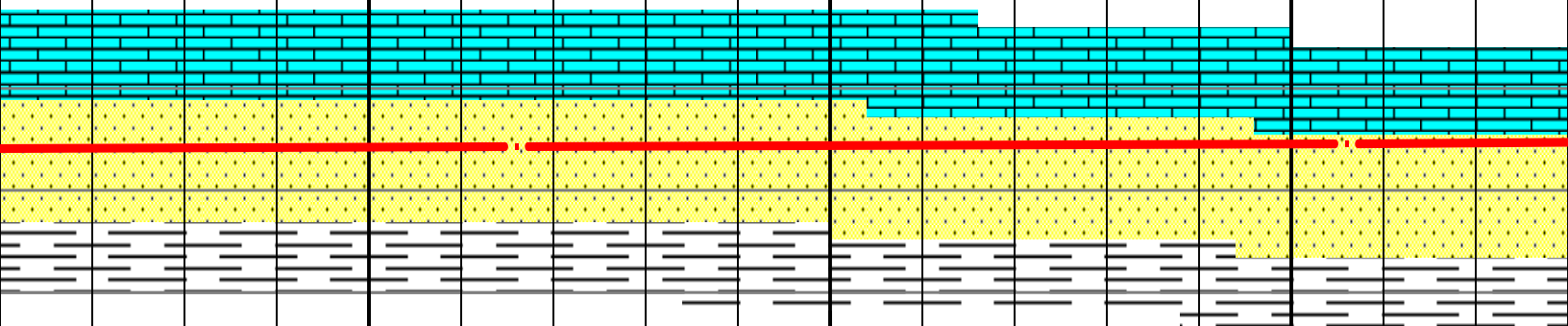
10700

10750



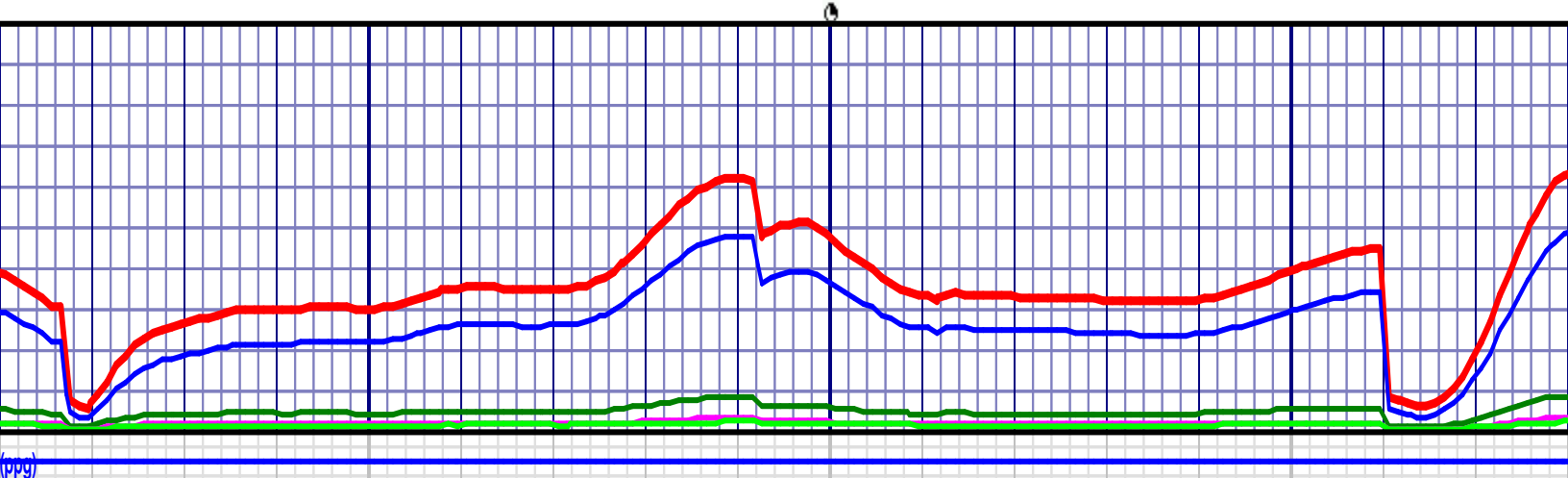
MD 10666 TVD 7171.59
INC 90.49 AZ 91.81
VS 3968.33

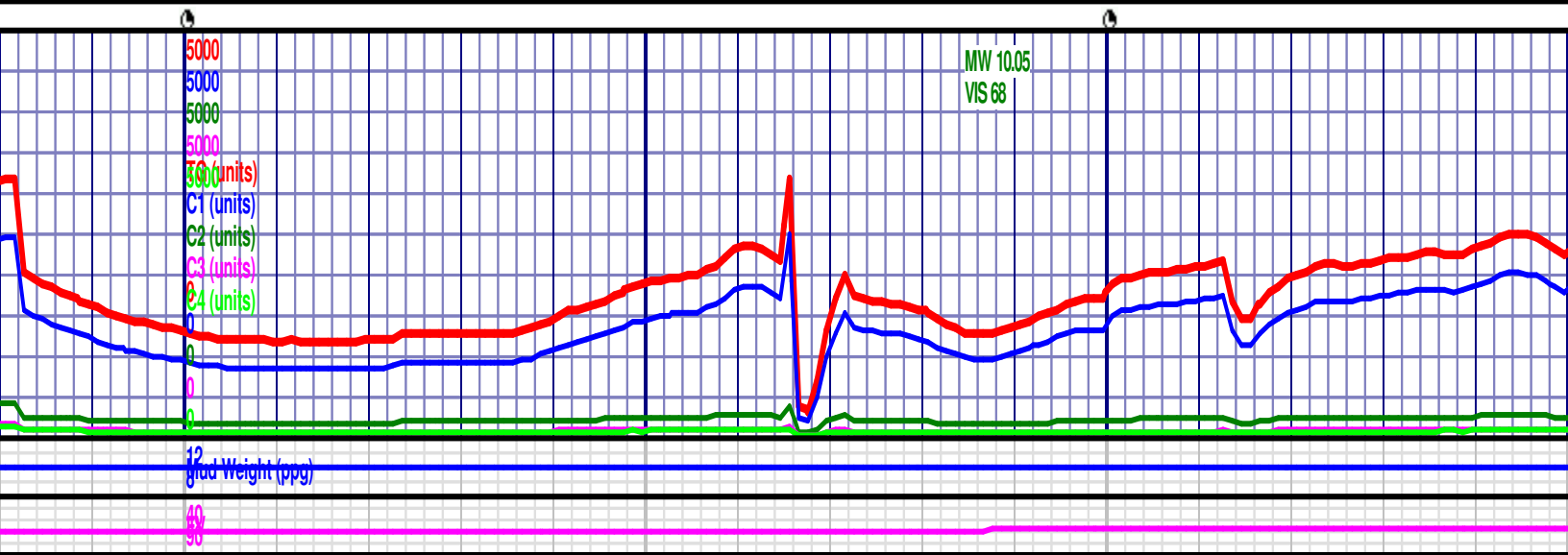
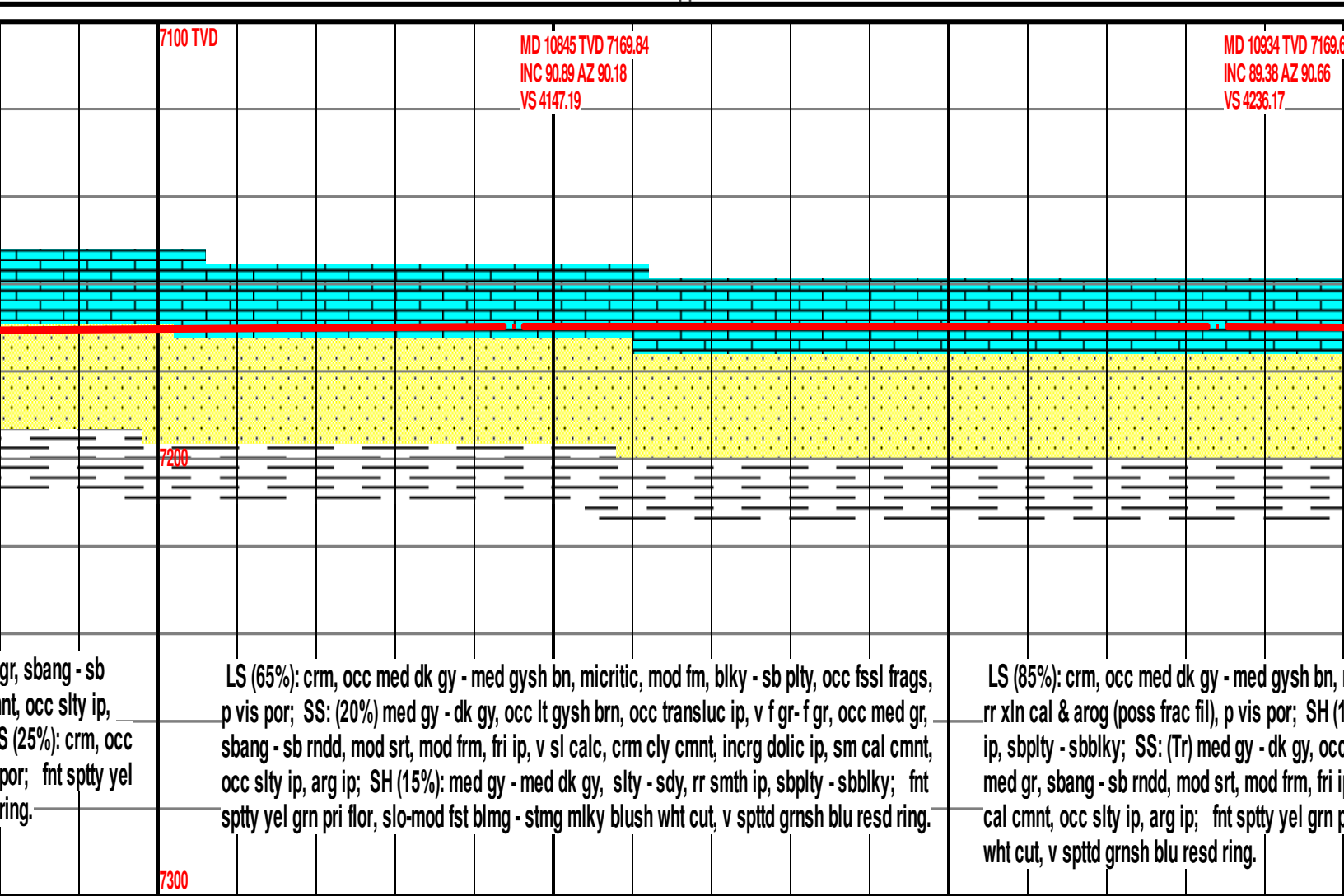
MD 10756 TVD 7170.86
INC 90.43 AZ 92.53
VS 4058.24

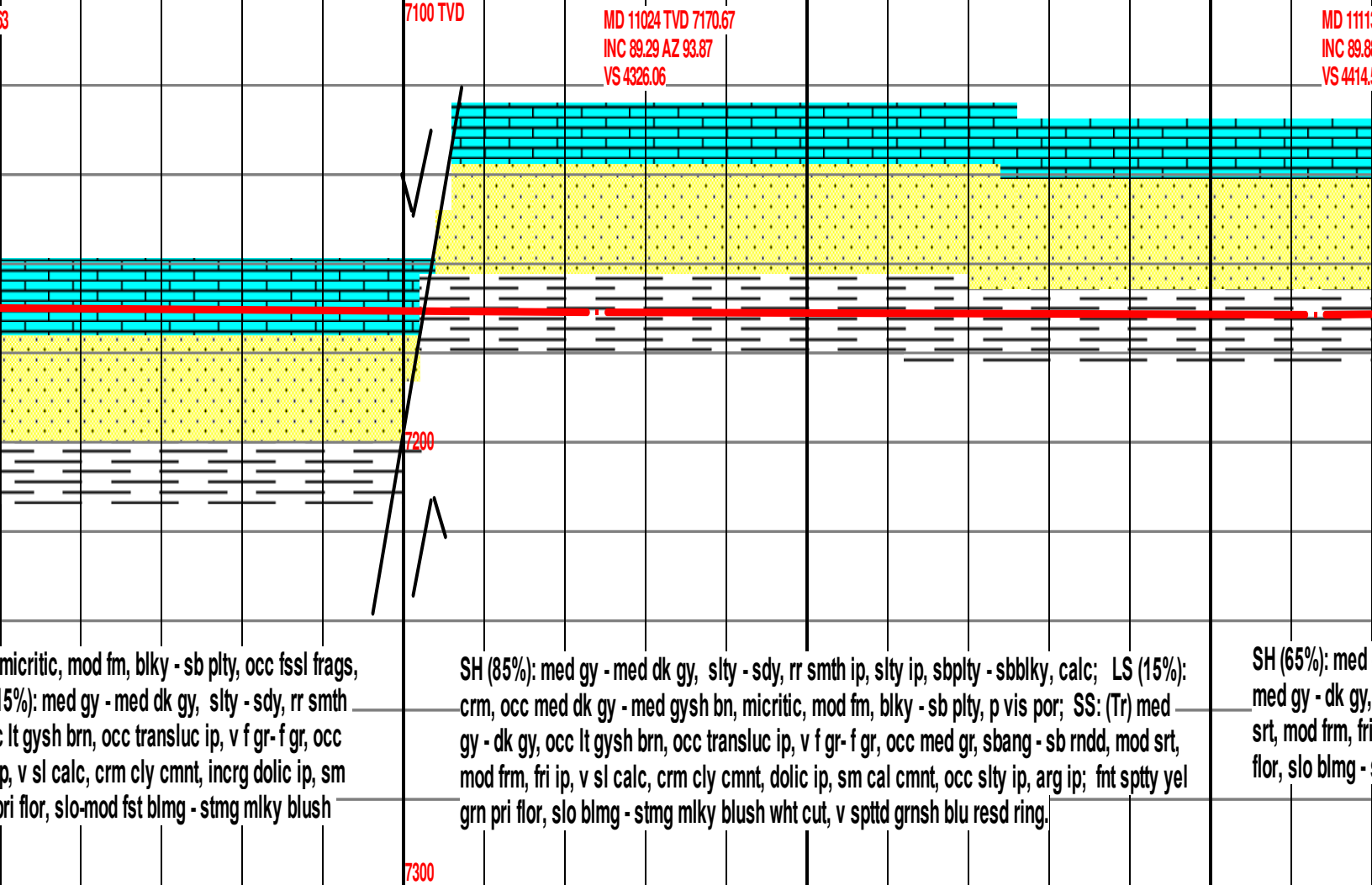


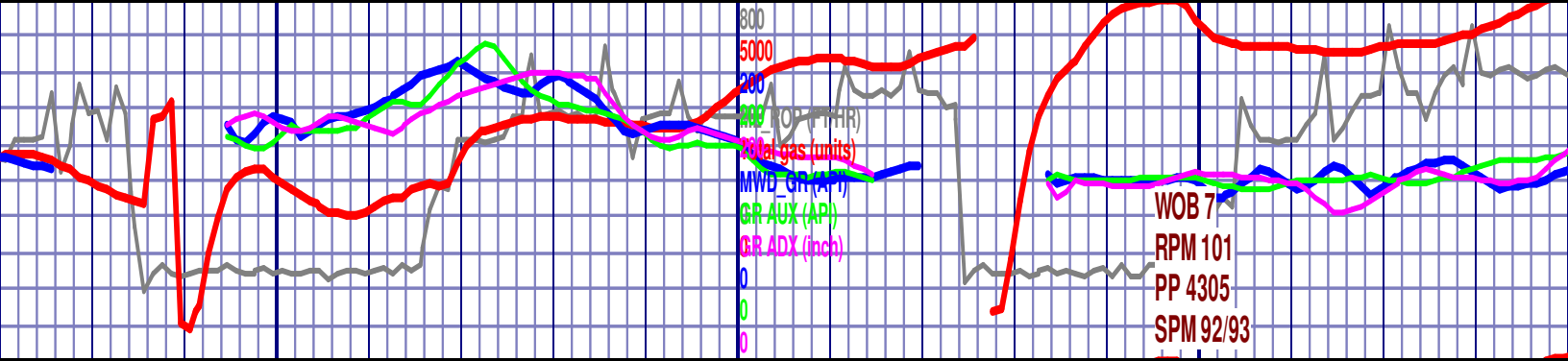
SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr- f gr, occ med gr, sbang -
rddd, mod srt, mod frm, fri ip, v sl calc, crm cly cmnt, incrg dolc ip, sm cal cmnt, occ
ty ip, arg ip; SH (10%): med gy - med dk gy, slty - sdy, rr smth ip, sbply - sbblky; fnt
ty yel grn pri flor, slo-mod fst blmg - stmg mlky blush wht cut, v spttd grnsh blu resd
ng.

SS: (60%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr- f gr, occ med
rddd, mod srt, mod frm, fri ip, v sl calc, crm cly cmnt, incrg dolc ip, sm cal cmnt, occ
arg ip; SH (15%): med gy - med dk gy, slty - sdy, rr smth ip, sbply - sbblky; L
med dk gy - med gysh bn, micritic, mod fm, blky - sb ply, occ fssl frags, p vis
grn pri flor, slo-mod fst blmg - stmg mlky blush wht cut, v spttd grnsh blu resd





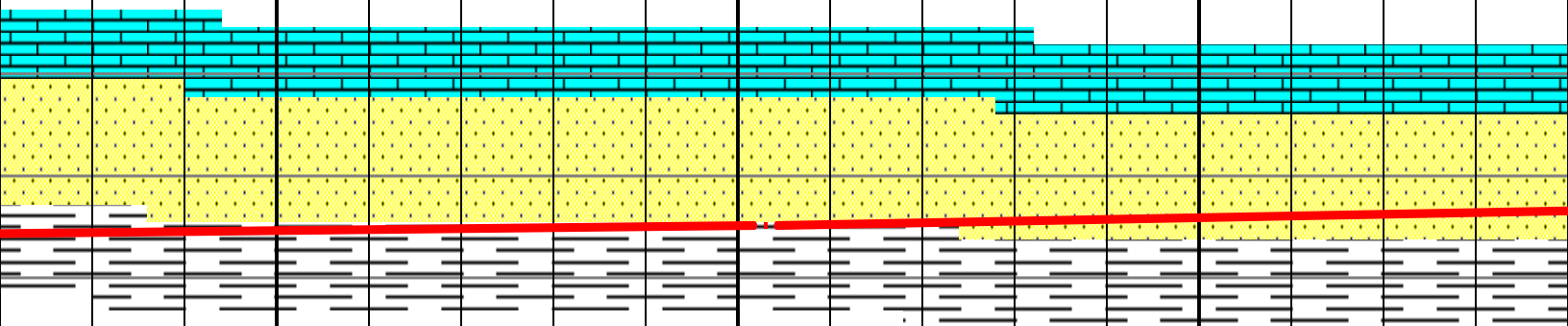




11150 11200 11250

3 TVD 7171.32
8 AZ 97.91
51

7100 MD 11203 TVD 7169.87
INC 91.97 AZ 98.11
VS 4503.54

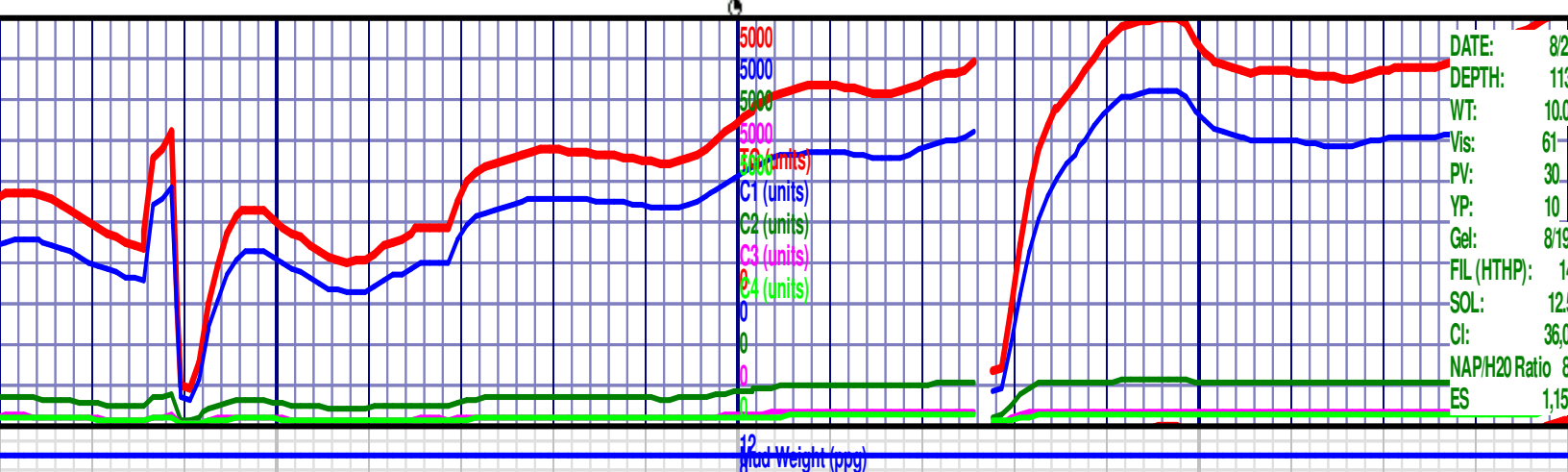


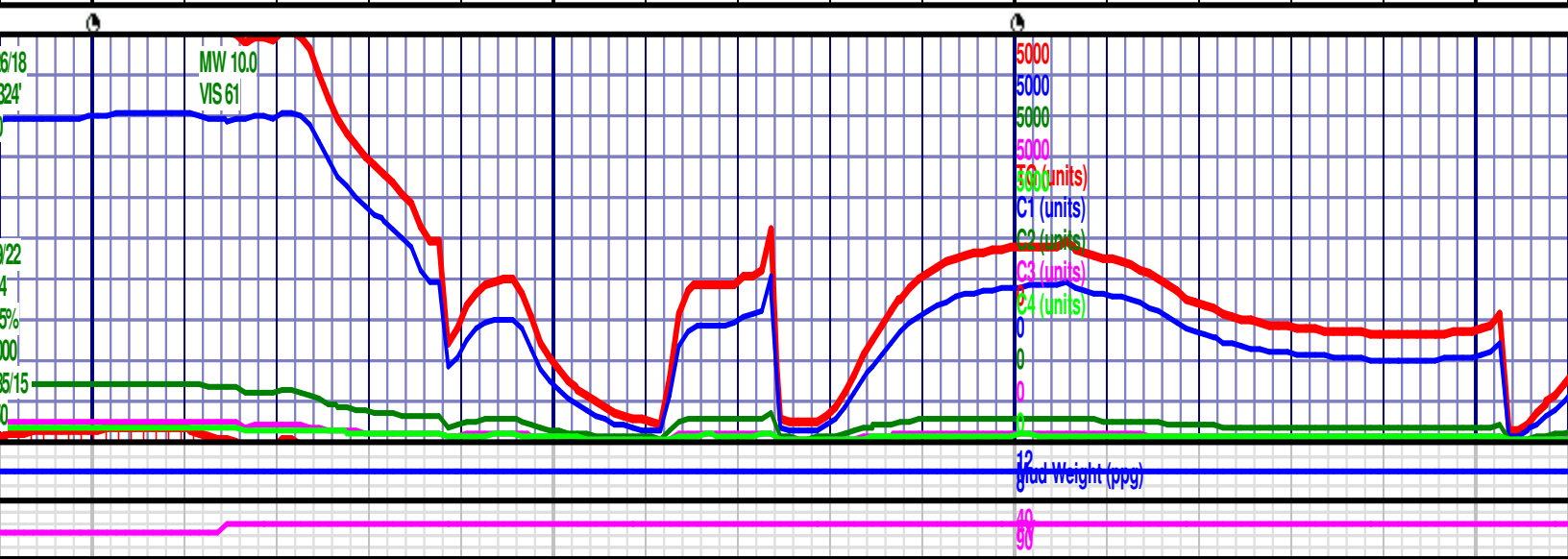
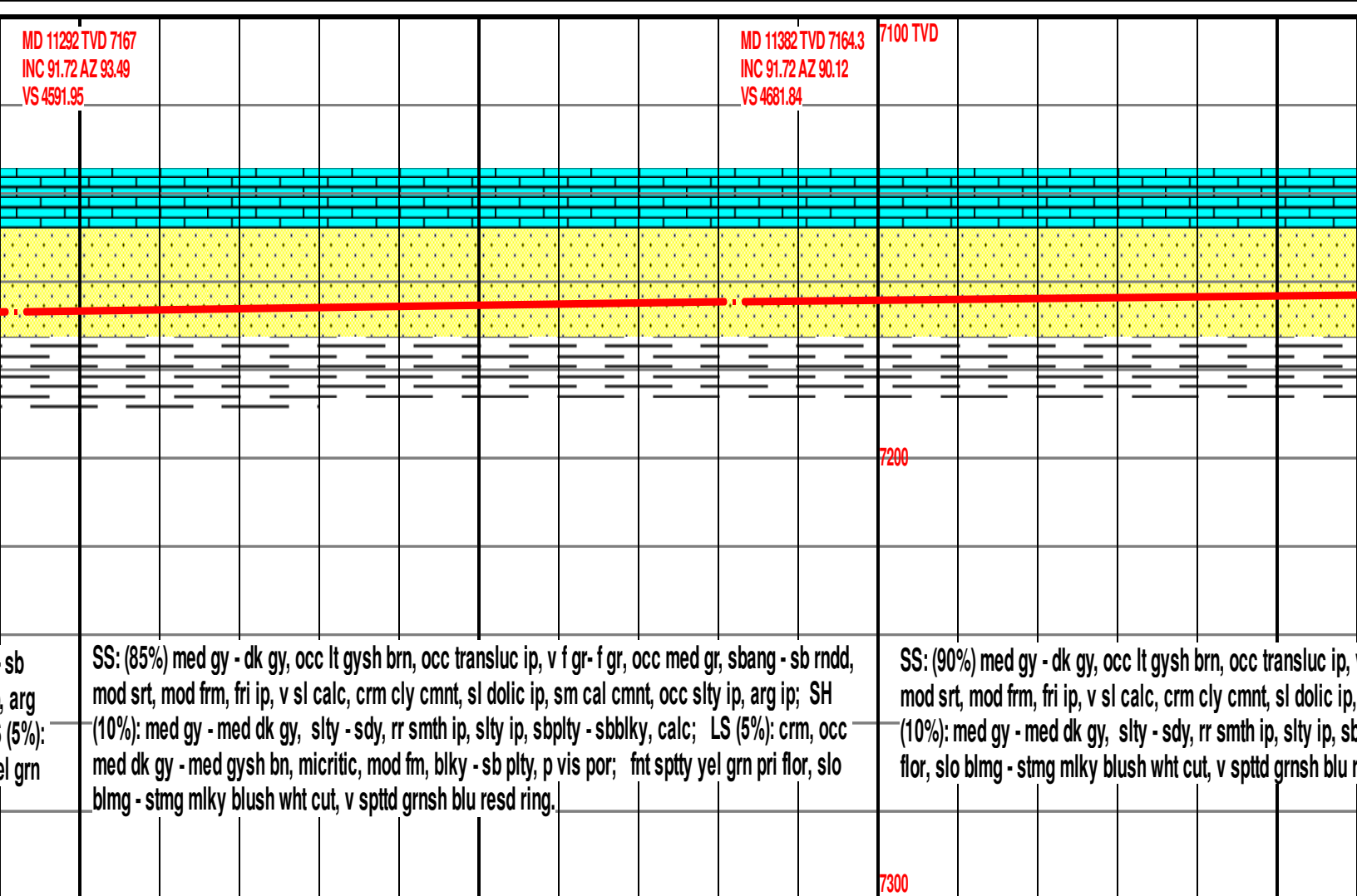
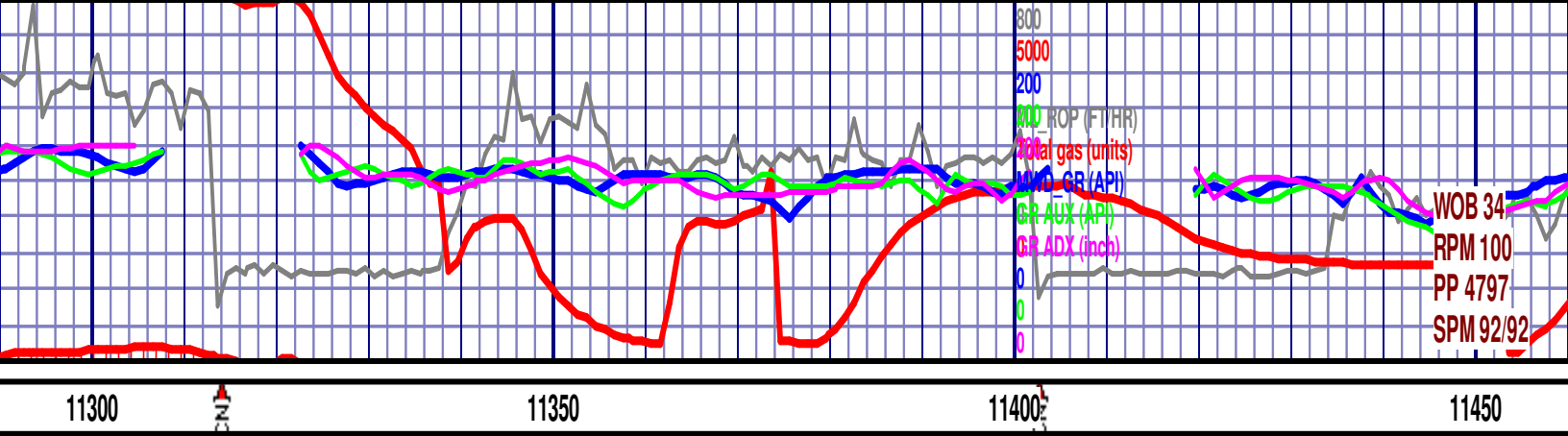
7200

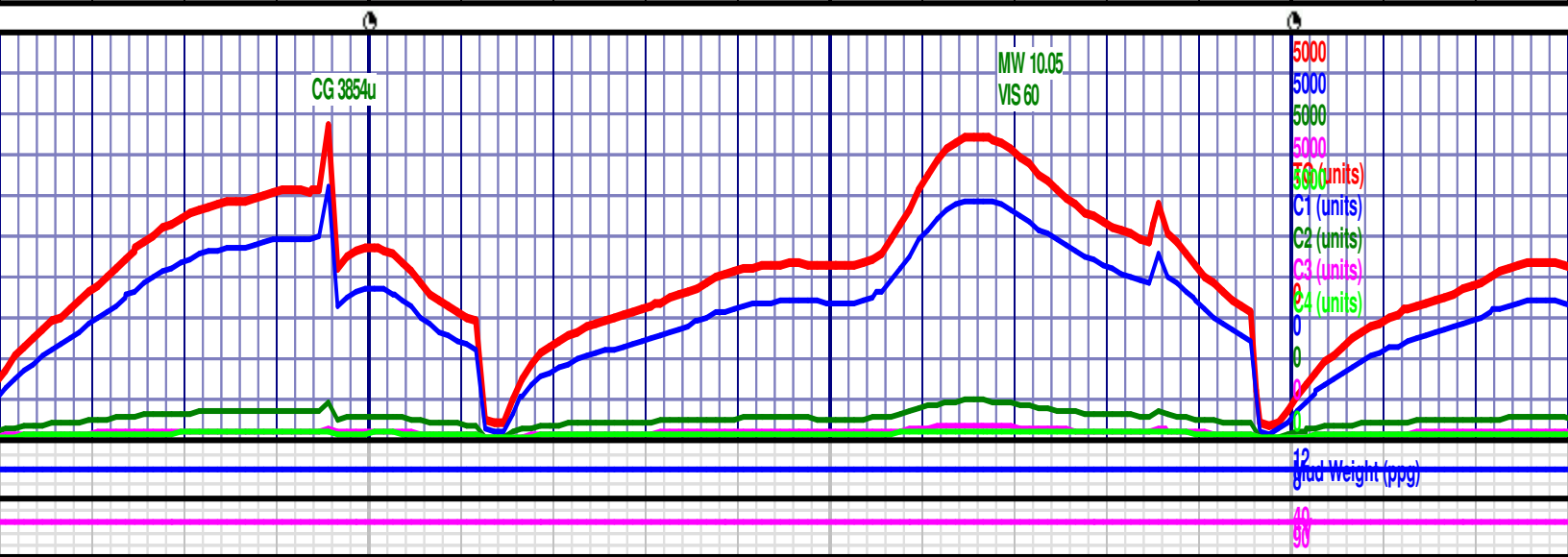
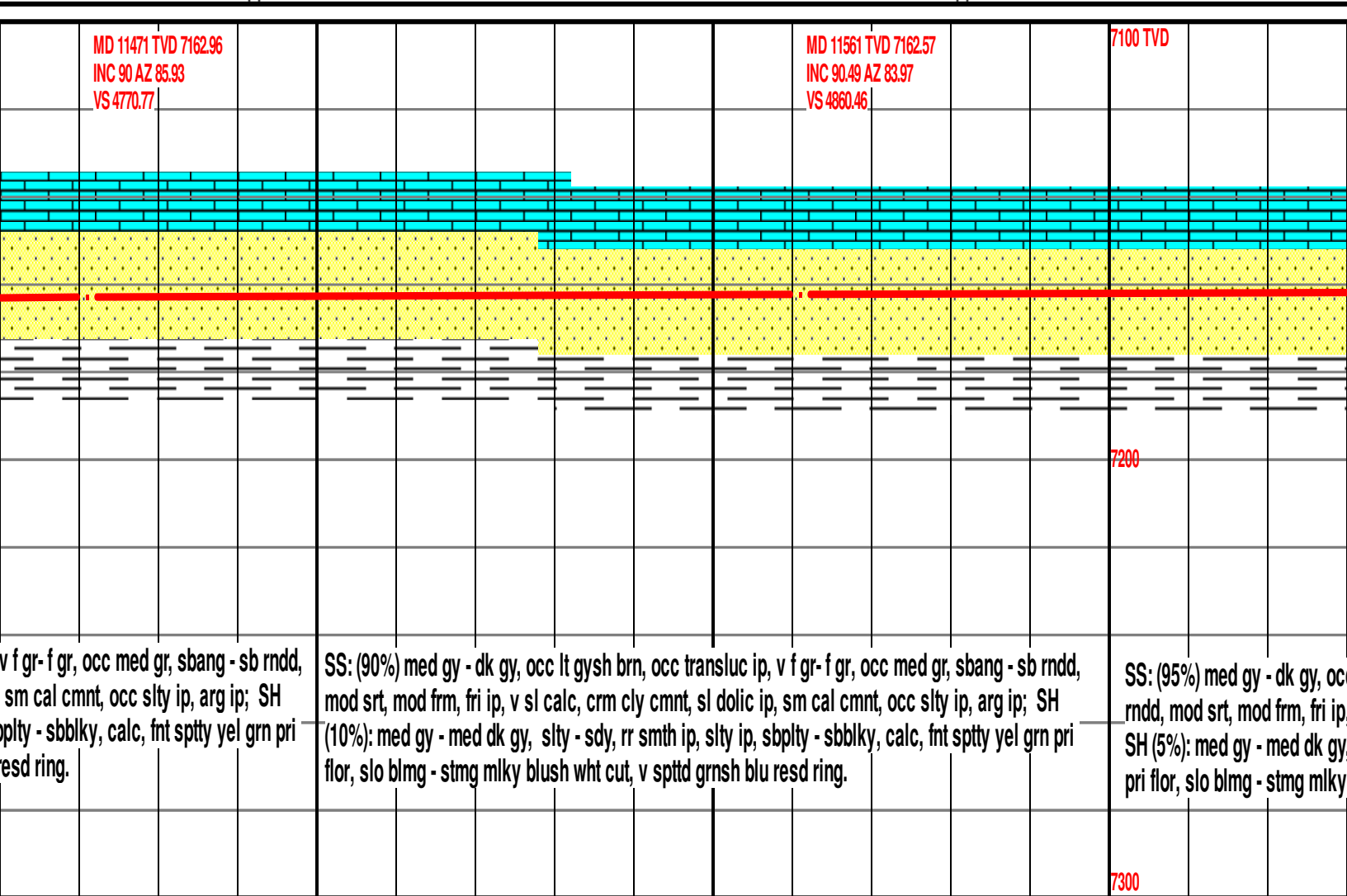
gy - med dk gy, slty - sdy, rr smth ip, slty ip, sbply - sbblky, calc; SS: (30%)
occ lt gysh brn, occ transluc ip, v f gr-f gr, occ med gr, sbang - sb rndd, mod
ip, v sl calc, crm cly cmnt, sm cal cmnt, occ slty ip, arg ip, fnt spty yel grn pri
stmg milky blush wht cut, v spttd grnsh blu resd ring.

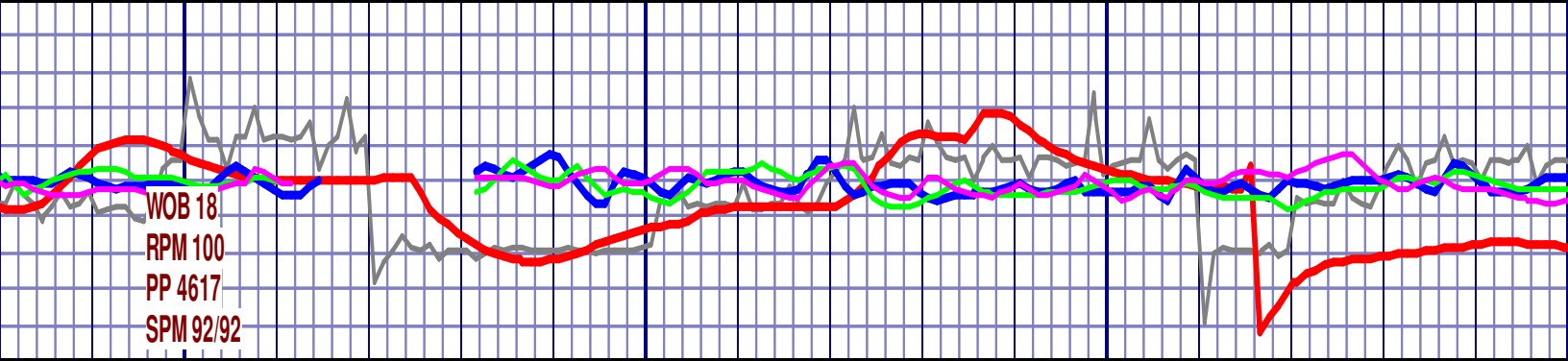
SS: (85%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr-f gr, occ med gr, sbang -
rndd, mod srt, mod frm, fri ip, v sl calc, crm cly cmnt, sl dolc ip, sm cal cmnt, occ slty ip
ip; SH (10%): med gy - med dk gy, slty - sdy, rr smth ip, slty ip, sbply - sbblky, calc; LS
crm, occ med dk gy - med gysh bn, micritic, mod fm, blky - sb ply, p vis por; fnt spty ye
pri flor, slo blmg - stmg milky blush wht cut, v spttd grnsh blu resd ring.

7300









11650



11700

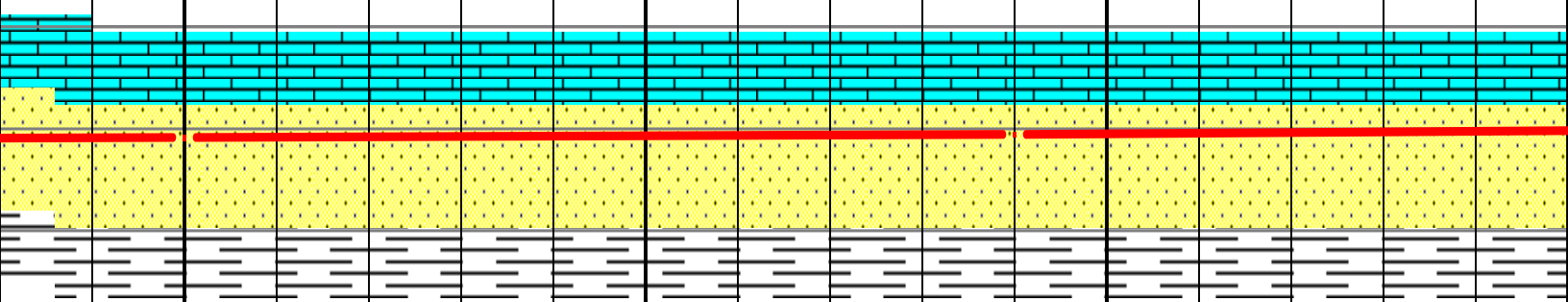
11750



11800

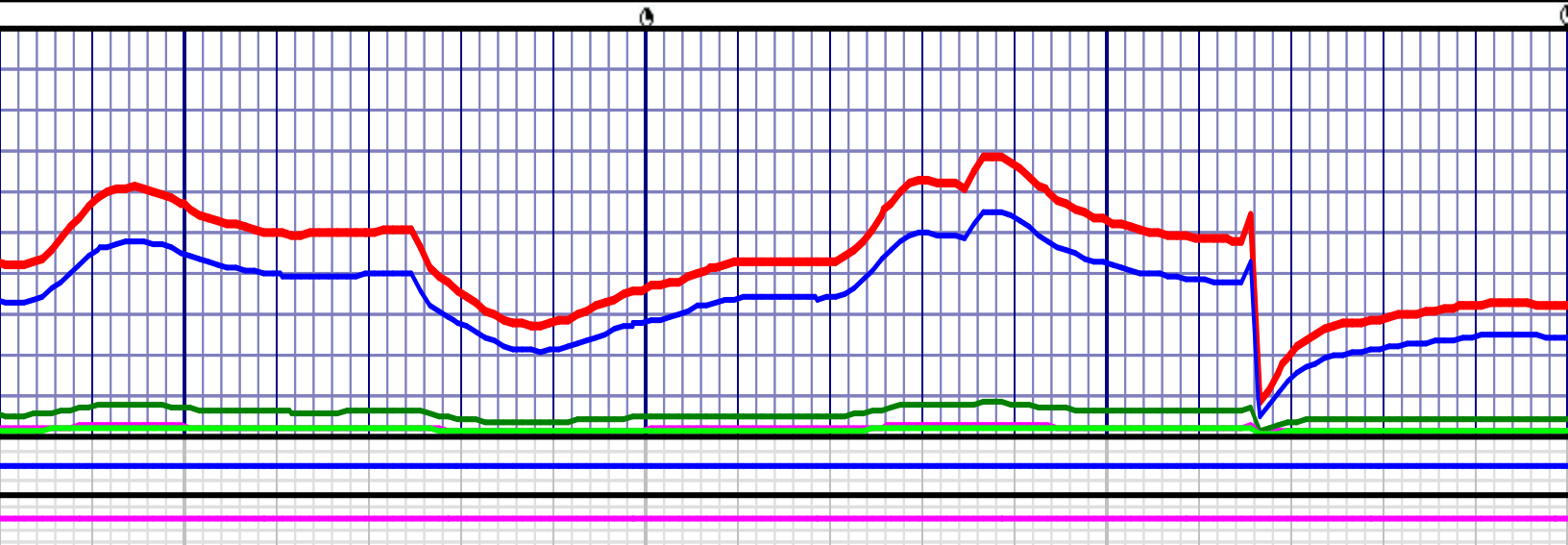
MD 11650 TVD 7161.79
INC 90.52 AZ 84.96
VS 4949.09

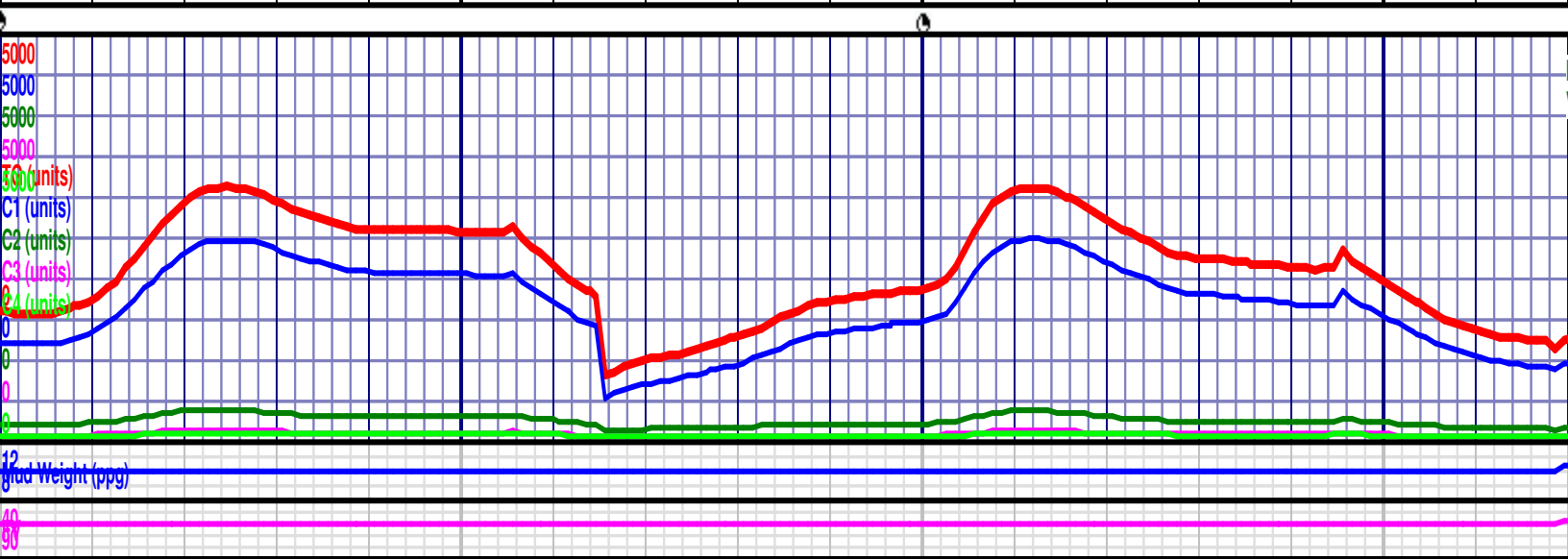
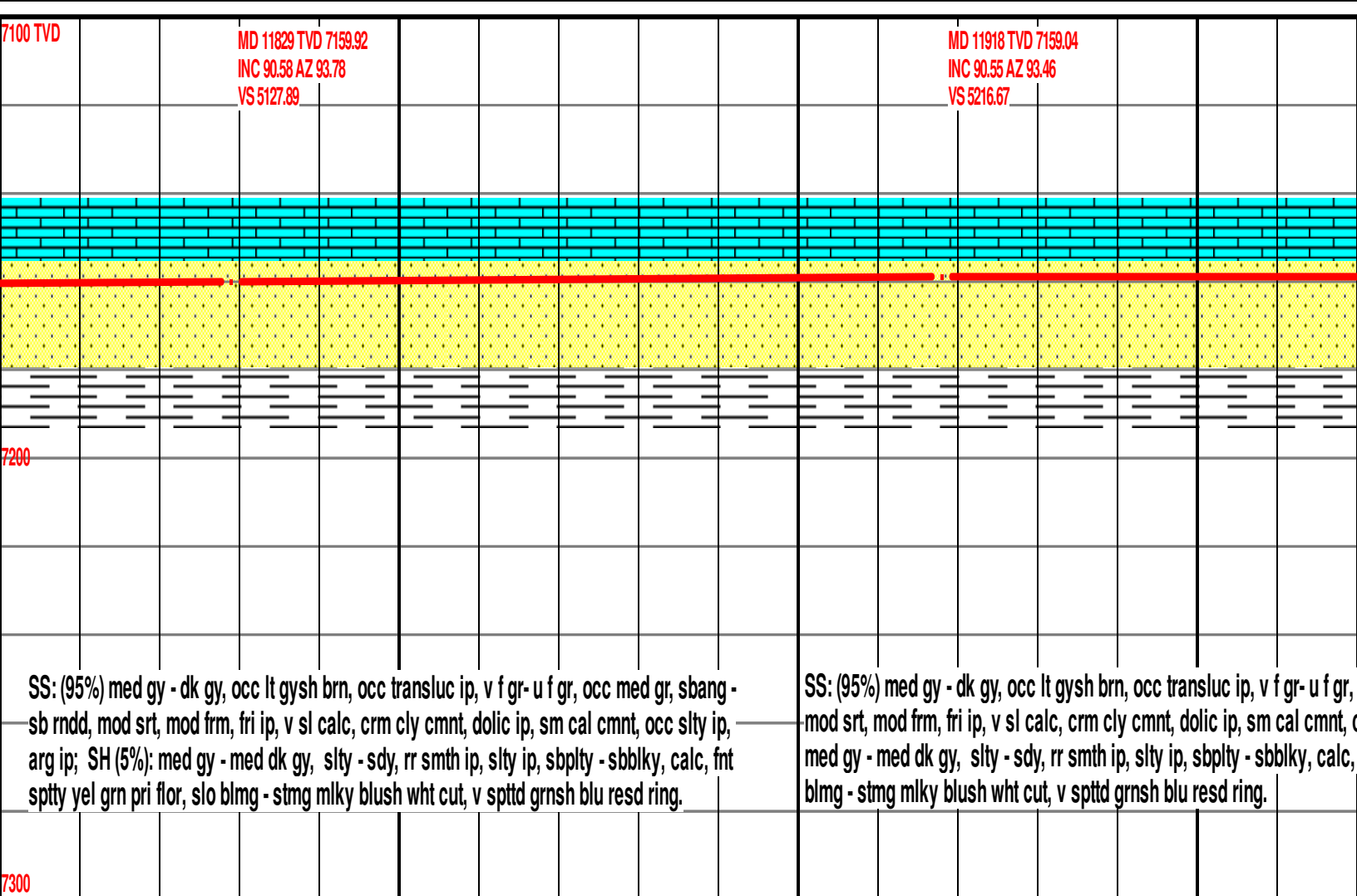
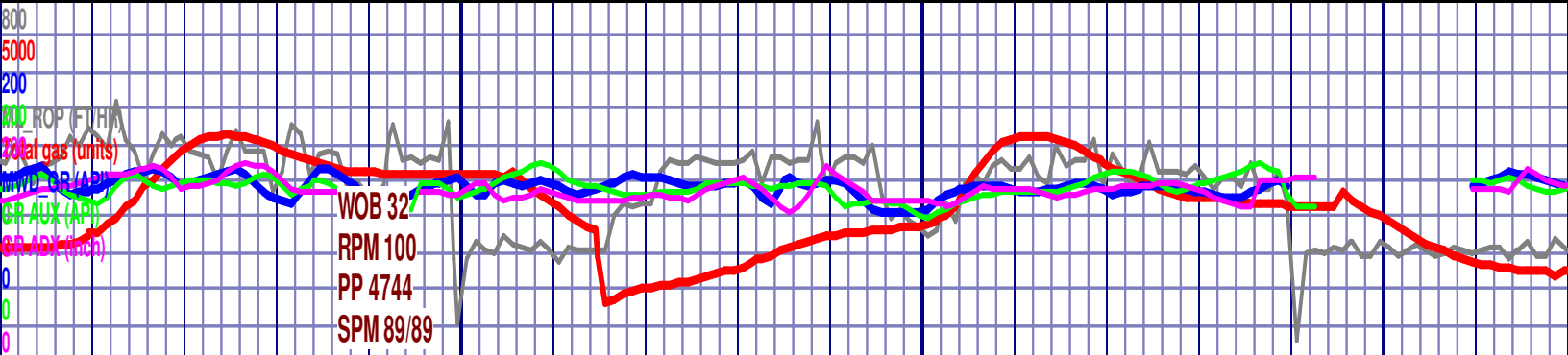
MD 11740 TVD 7160.87
INC 90.65 AZ 88.34
VS 5038.95

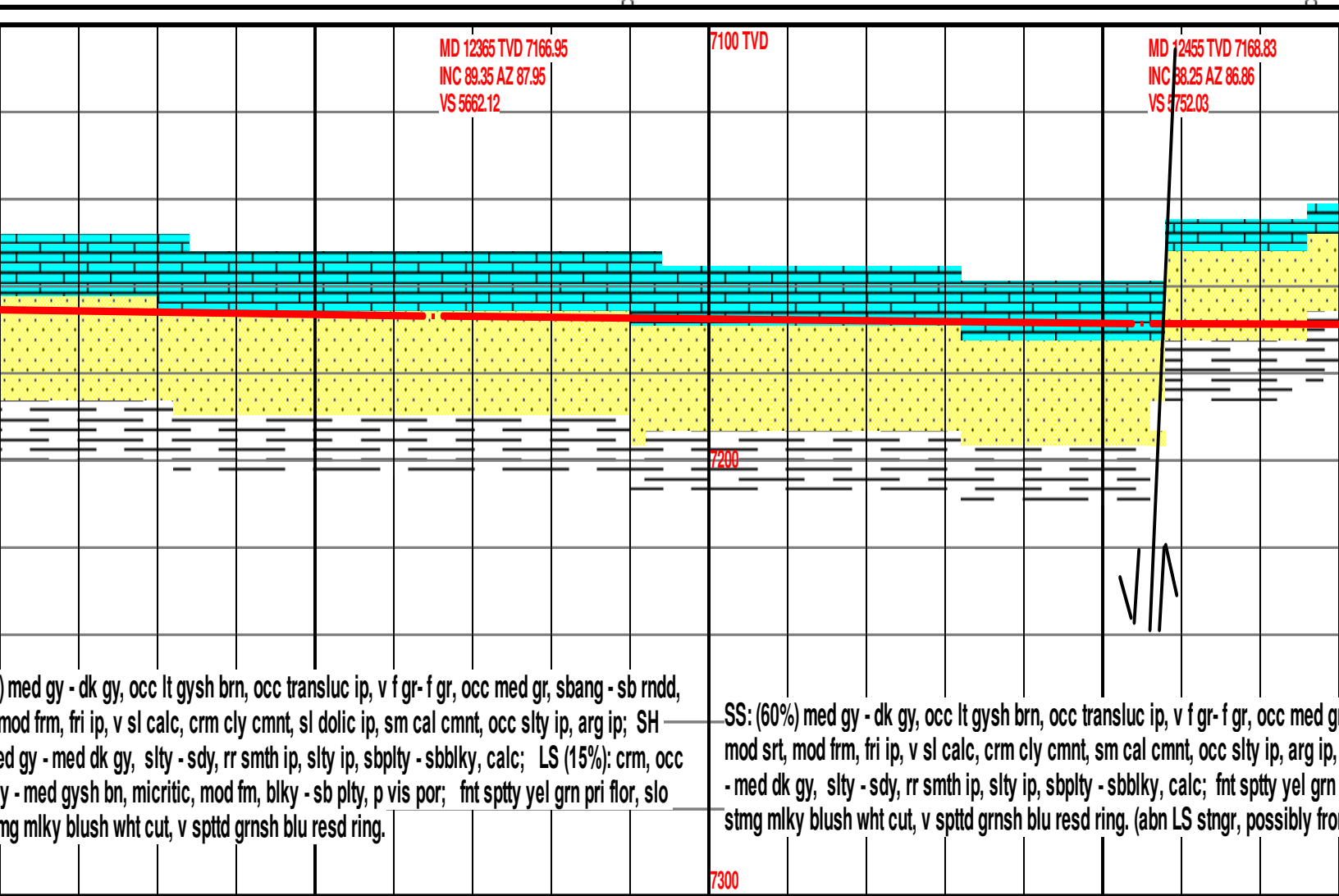


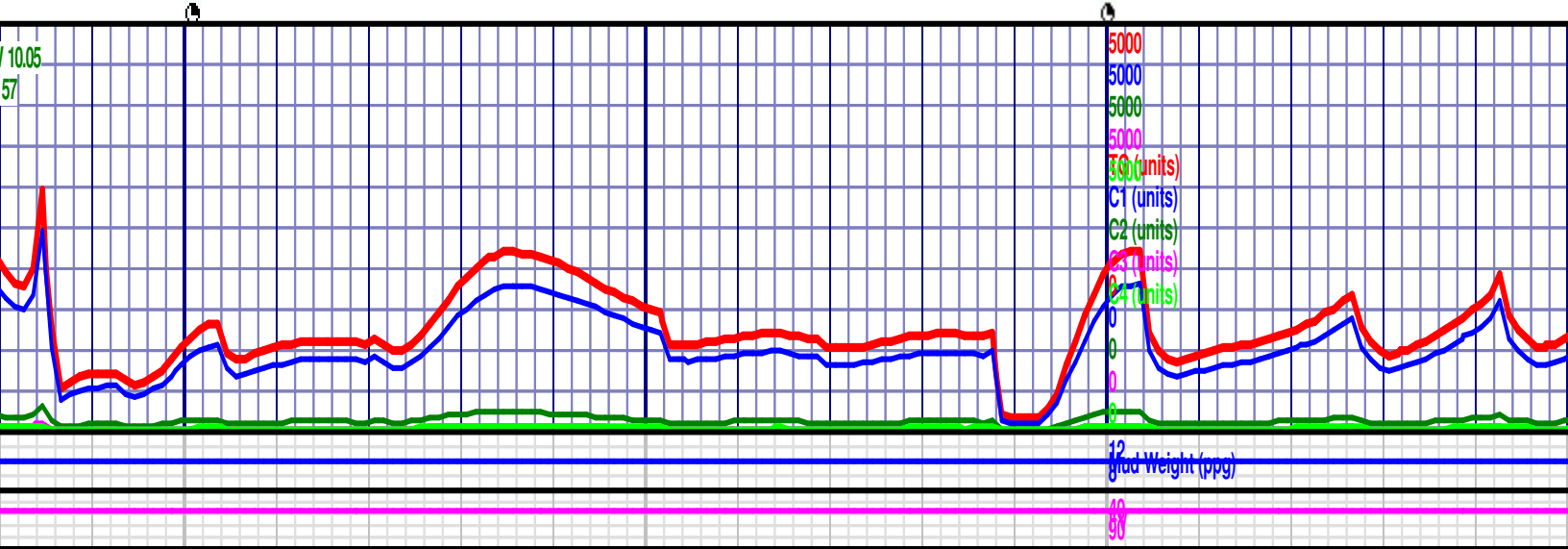
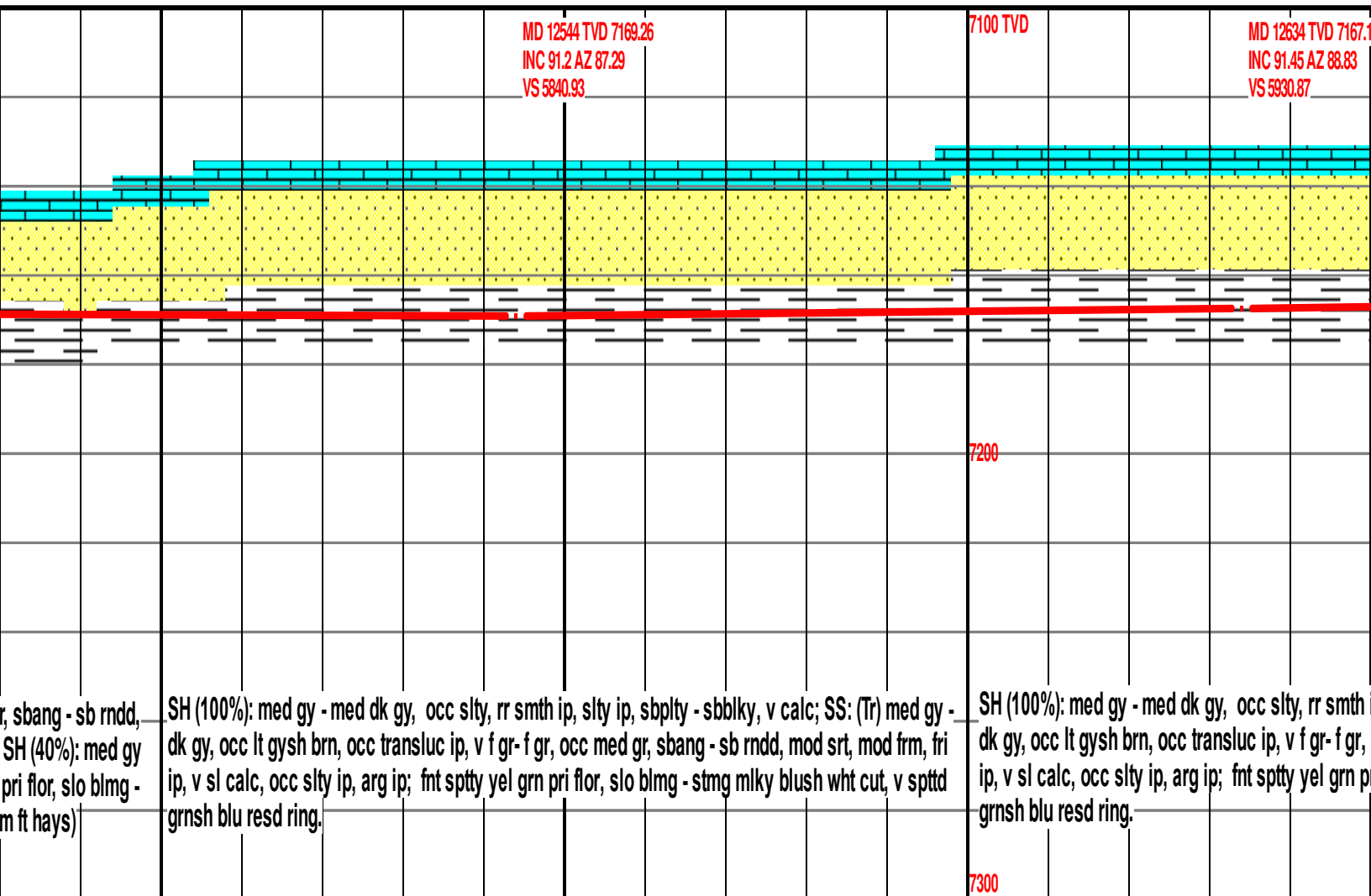
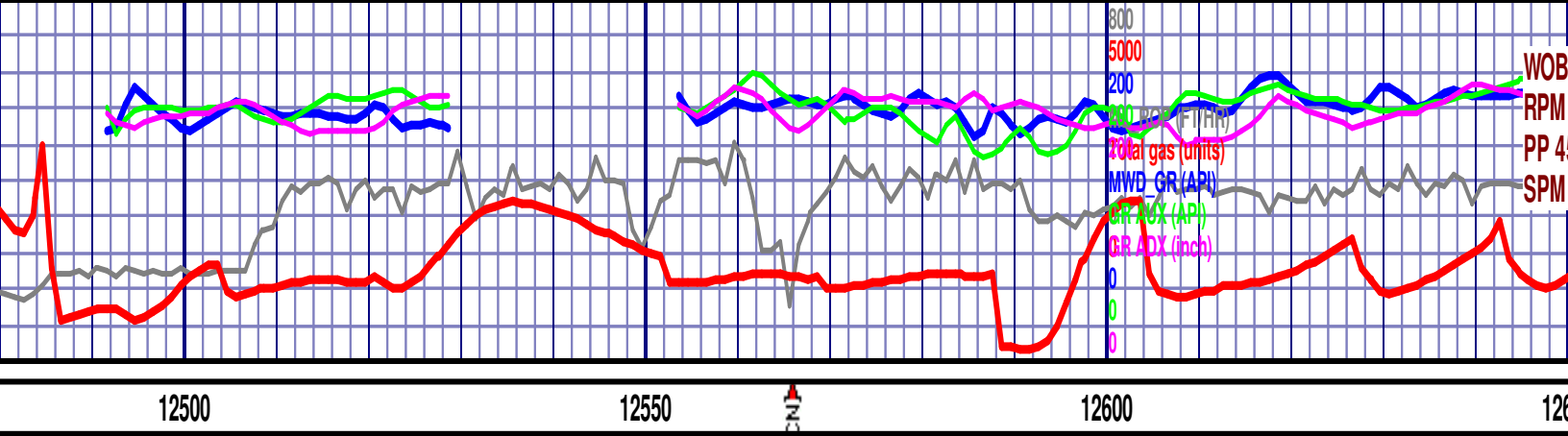
c lt gysh brn, occ transluc ip, v f gr- u f gr, occ med gr, sbang - sb
v sl calc, crm cly cmnt, sl dolc ip, sm cal cmnt, occ slty ip, arg ip;
slty - sdy, rr smth ip, slty ip, sbply - sbbly, calc, fnt sppty yel grn
blush wht cut, v spstd grnsh blu resd ring.

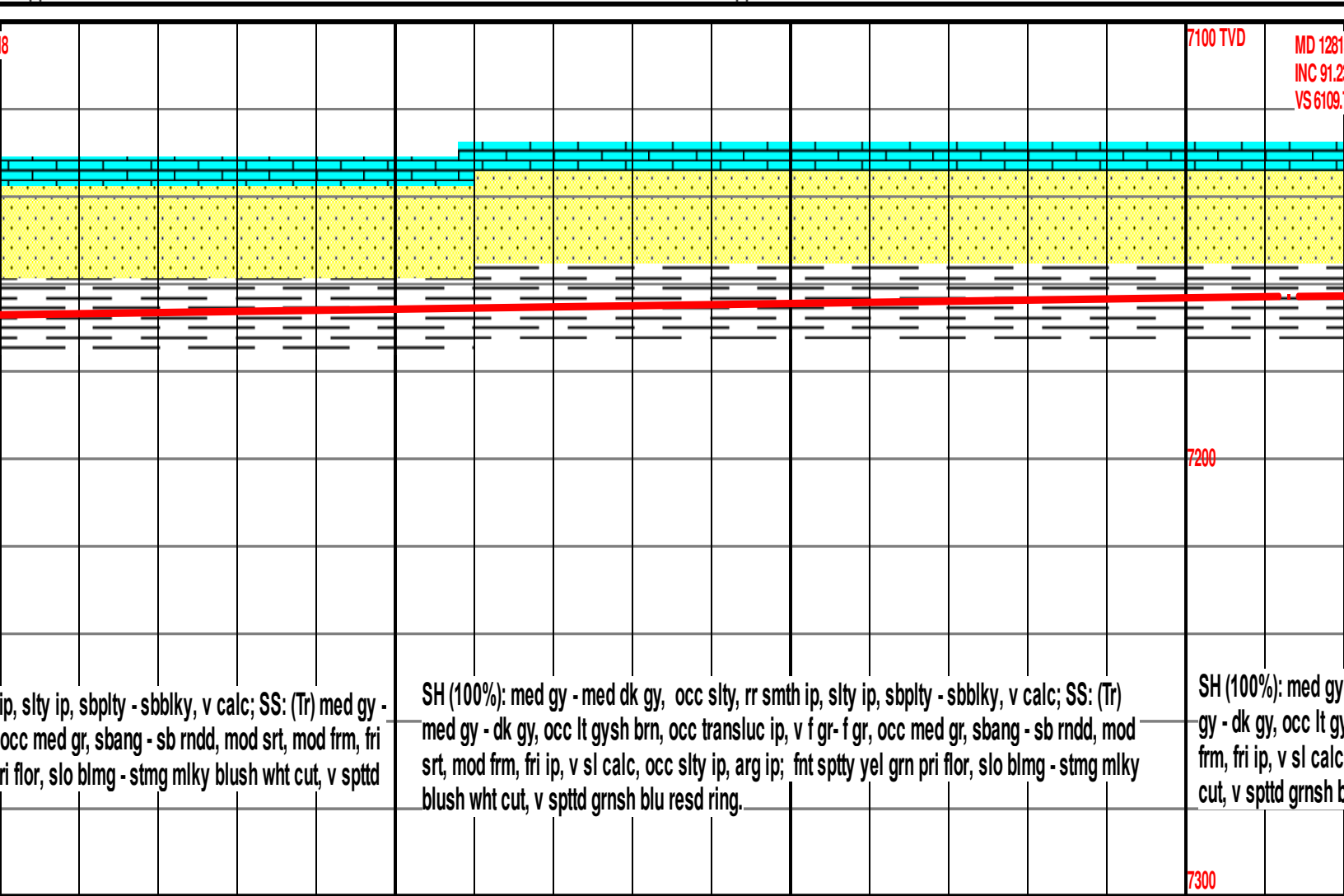
SS: (95%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr- u f gr, occ med gr, sbang
- sb rndd, mod srt, mod frm, fri ip, v sl calc, crm cly cmnt, dolc ip, sm cal cmnt, occ slty
ip, arg ip; SH (5%): med gy - med dk gy, slty - sdy, rr smth ip, slty ip, sbply - sbbly,
calc, fnt sppty yel grn pri flor, slo blmg - stmg mlky blush wht cut, v spstd grnsh blu resd
ring.

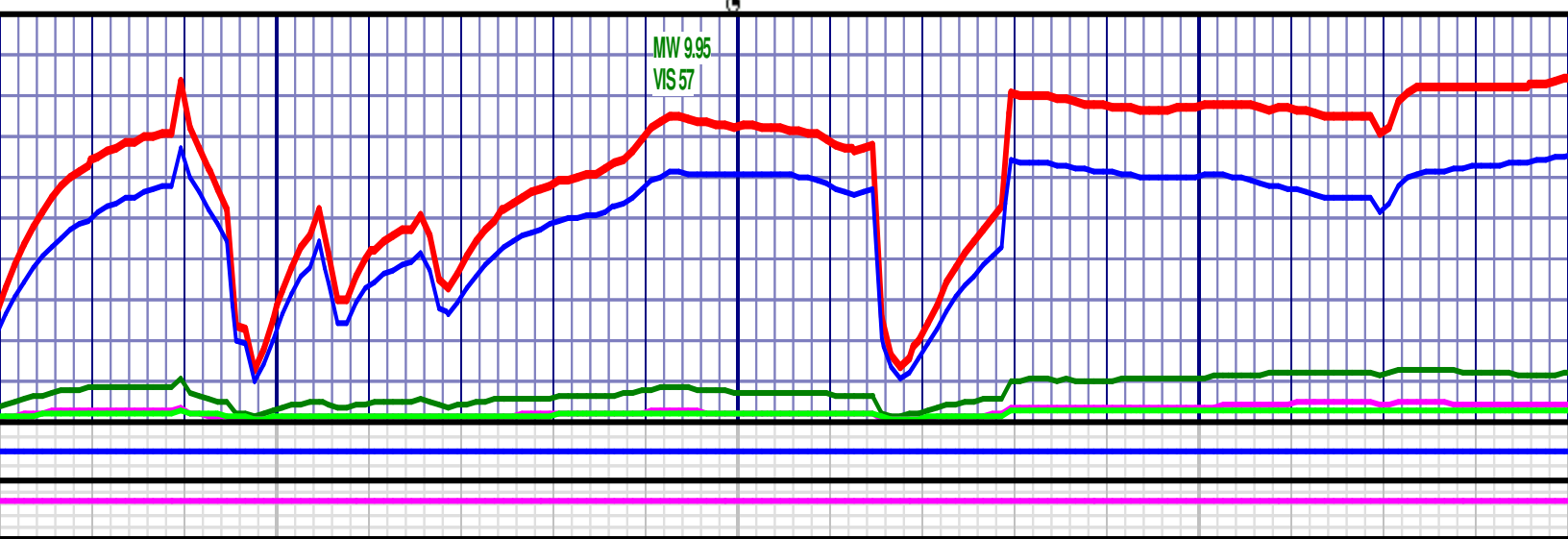
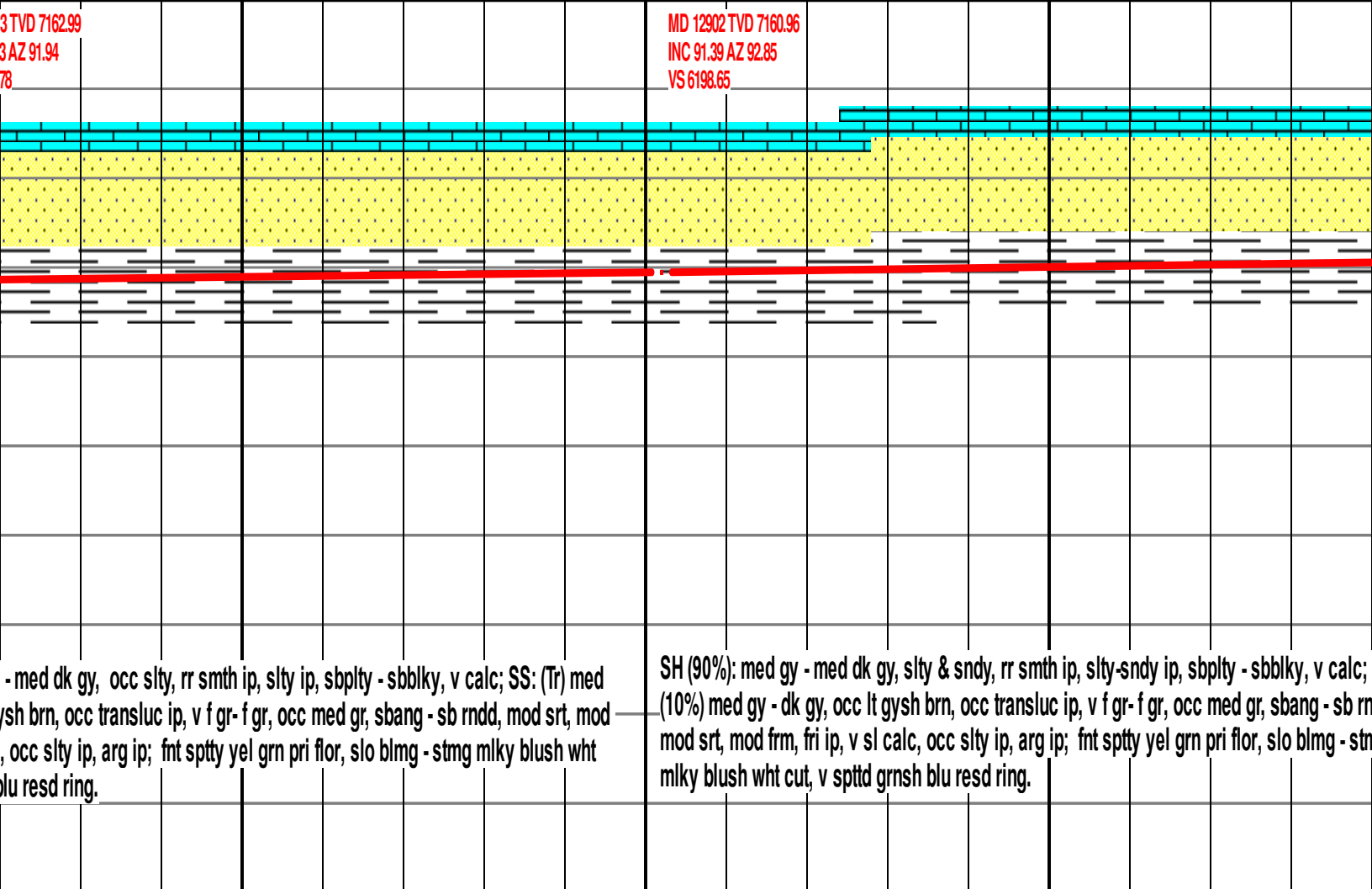
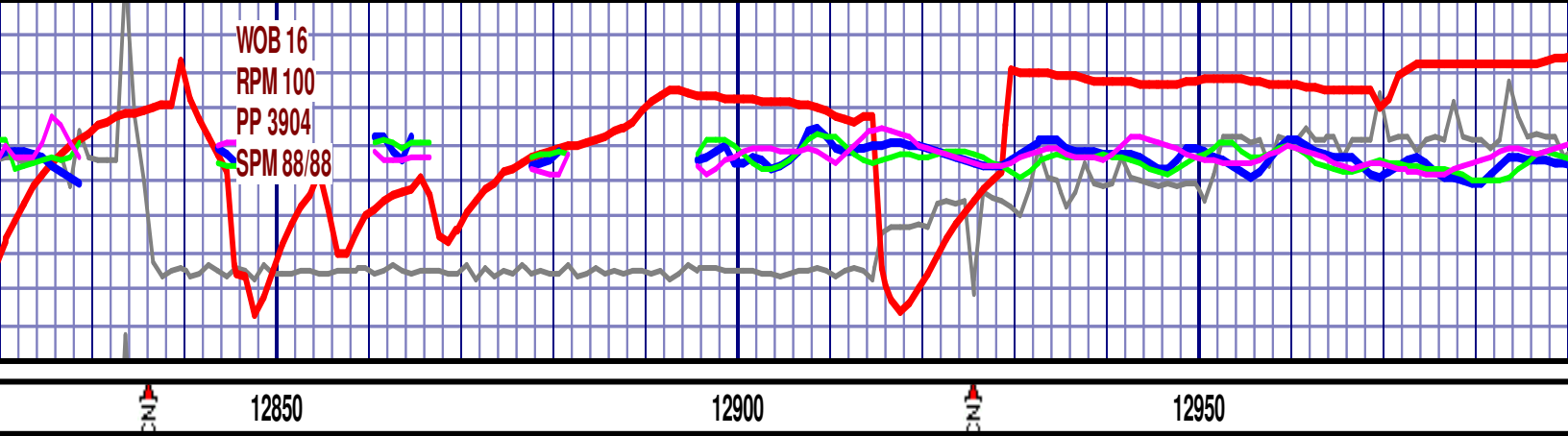


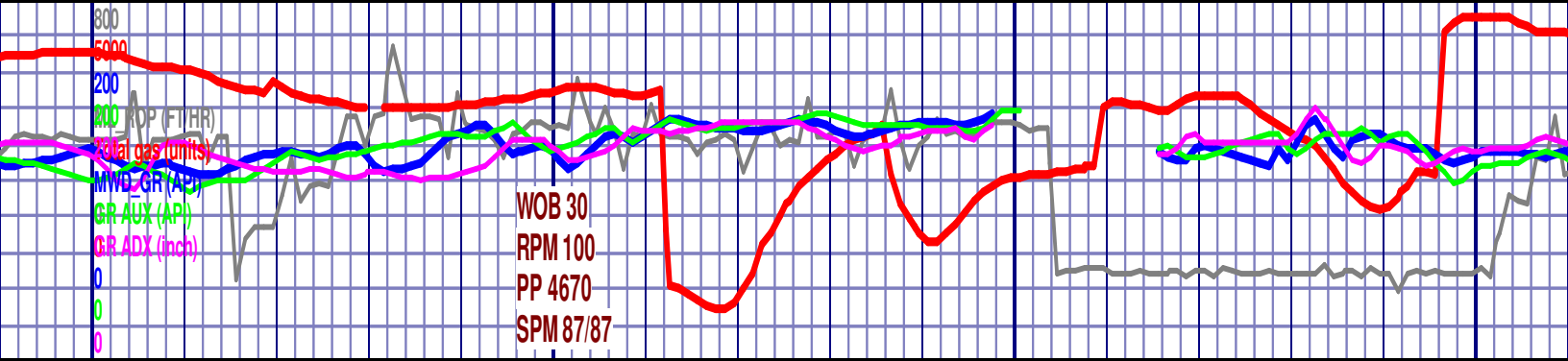




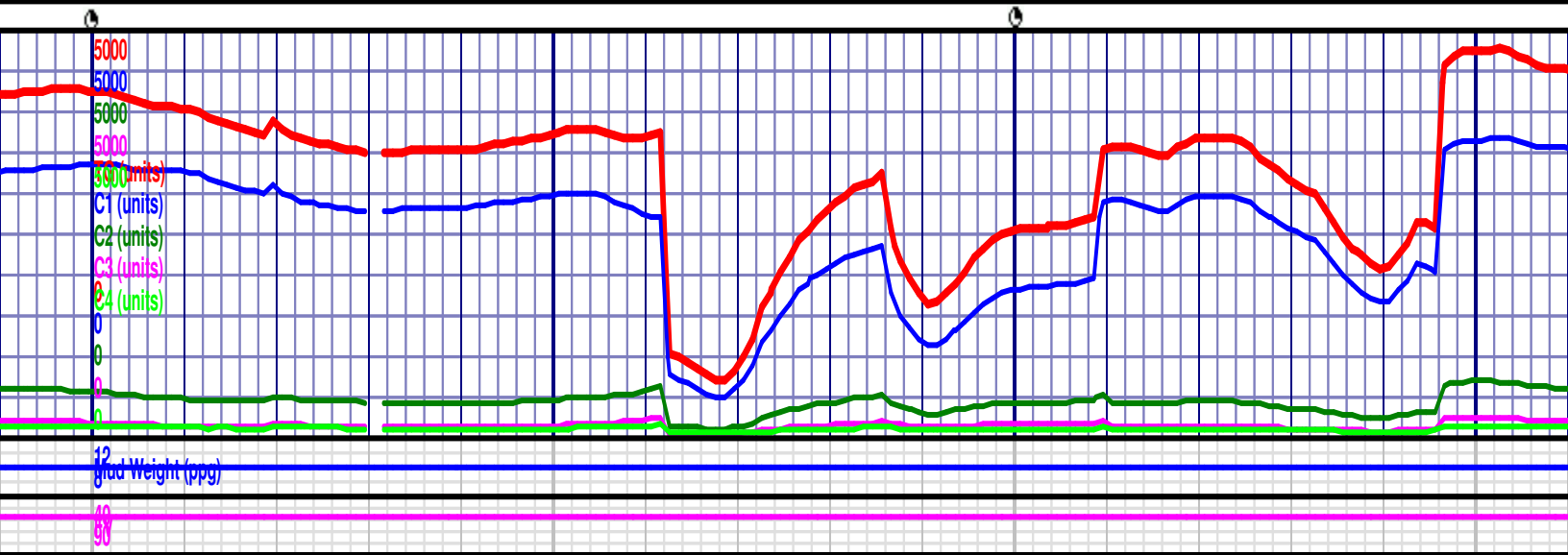
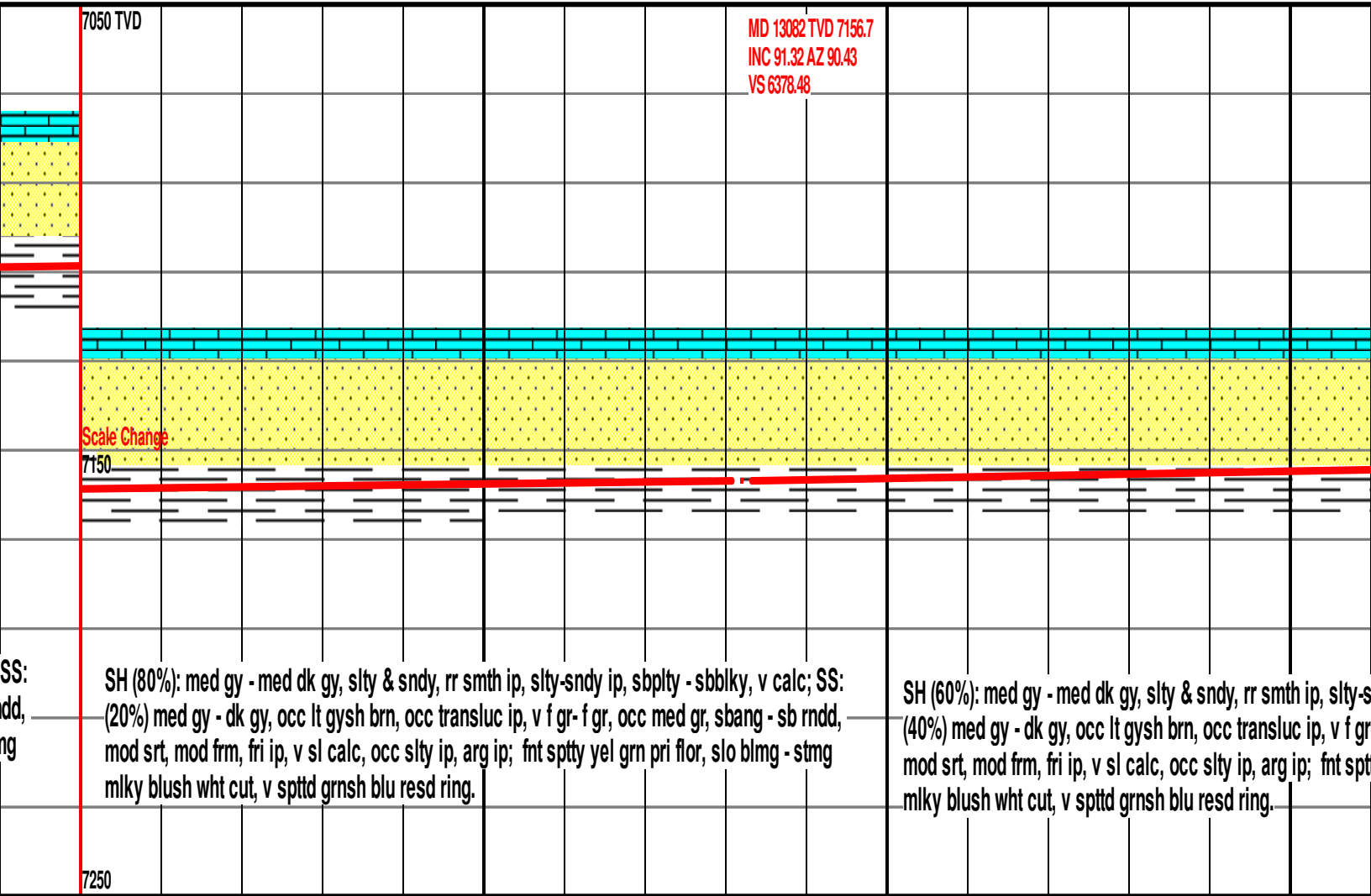


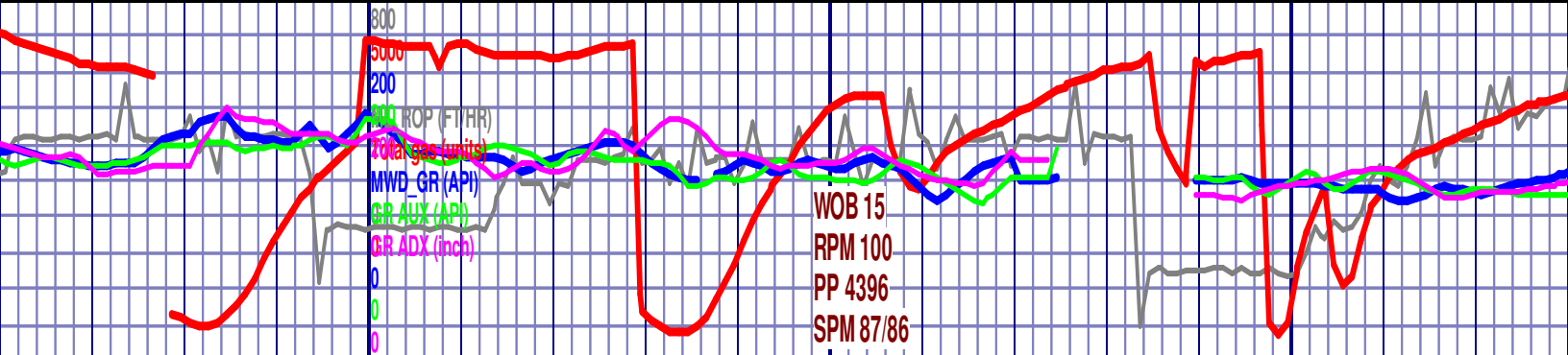






13000 13050 13100 13150





13200

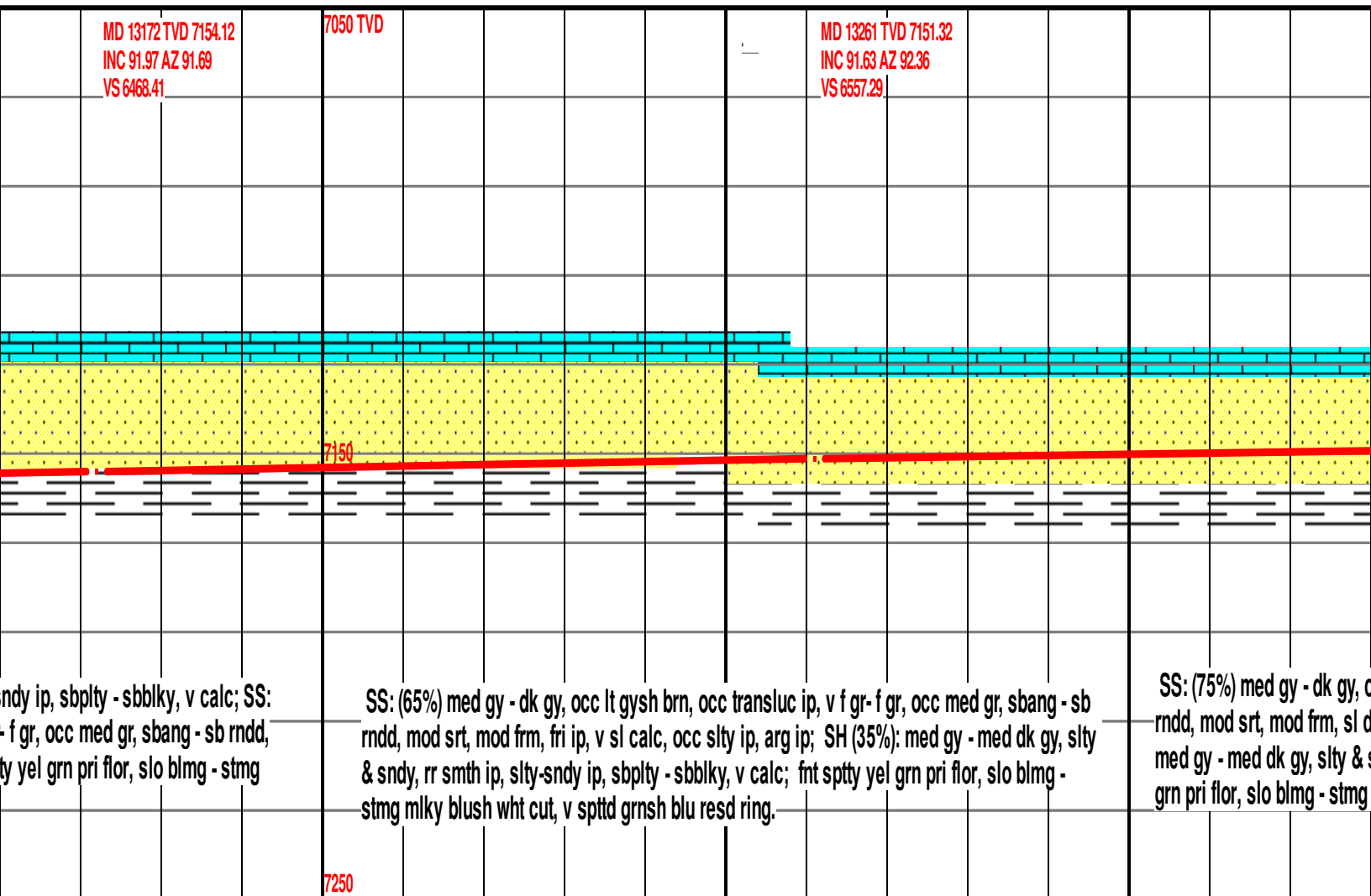
13250

13300

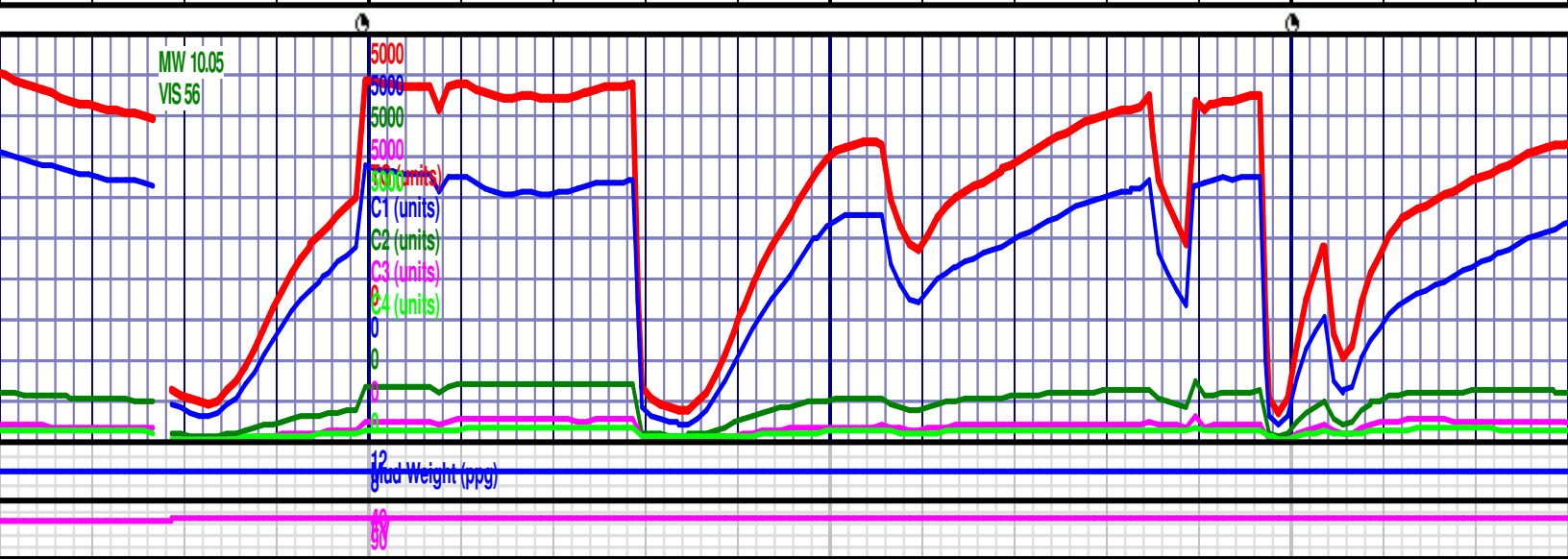
MD 13172 TVD 7154.12
 INC 91.97 AZ 91.69
 VS 6468.41

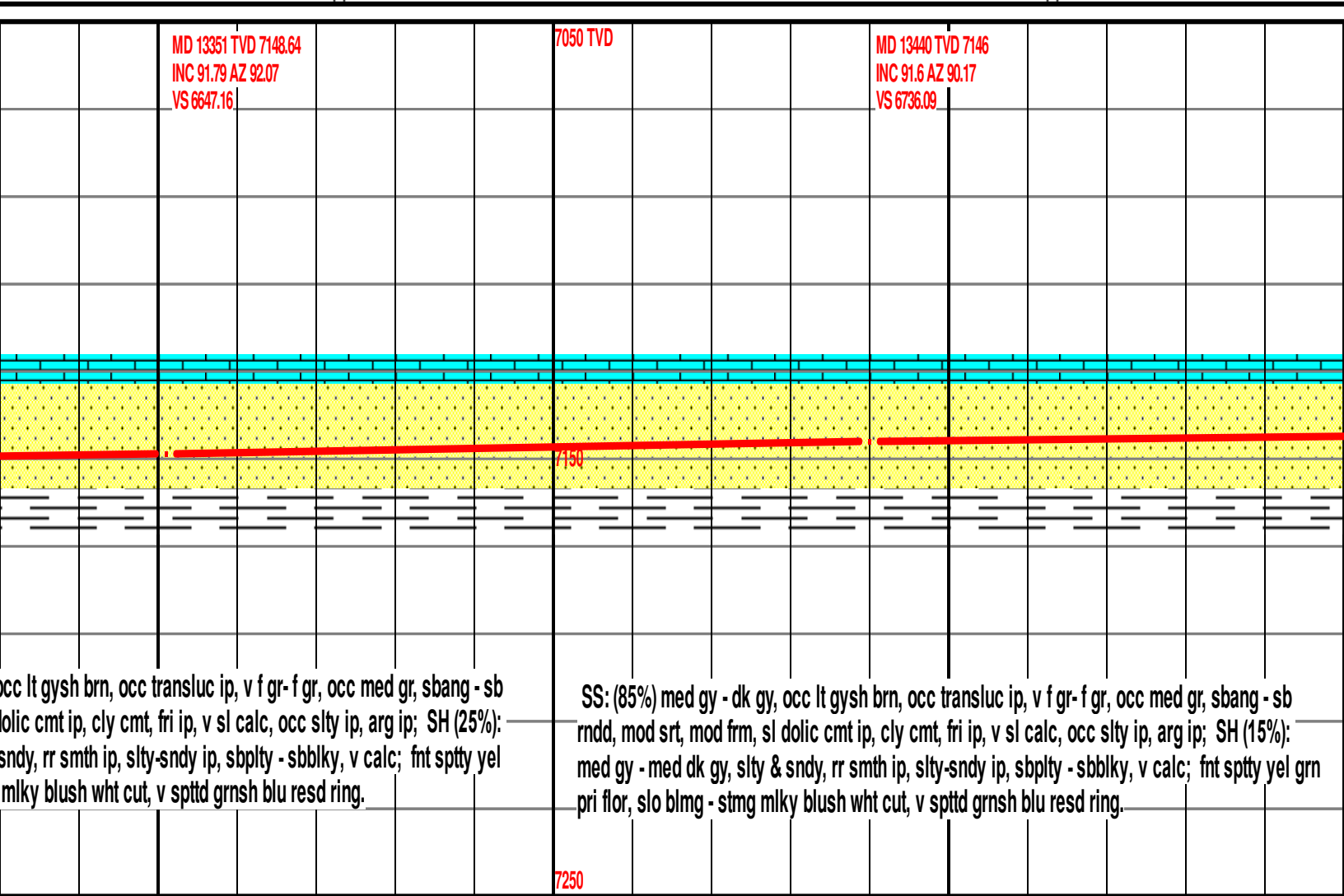
7050 TVD

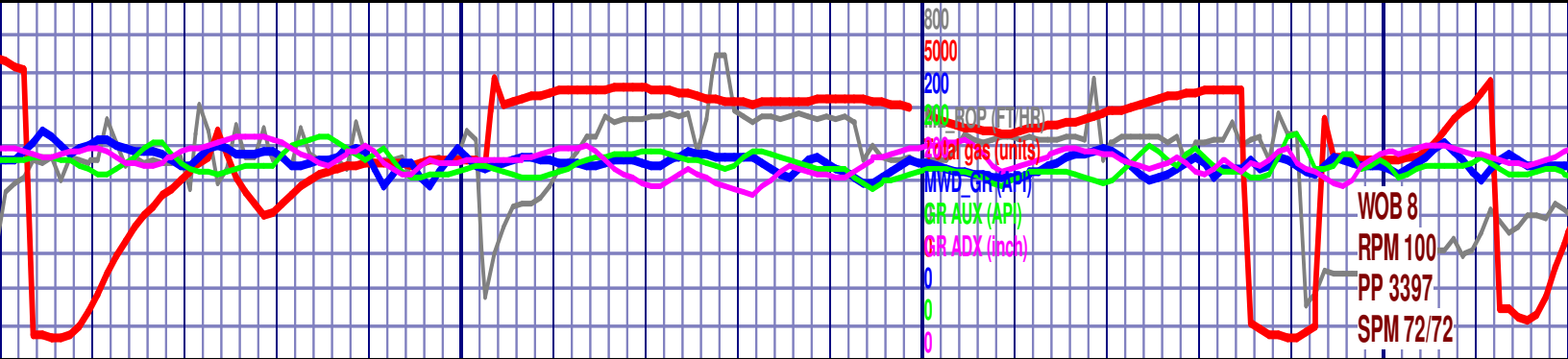
MD 13261 TVD 7151.32
 INC 91.63 AZ 92.36
 VS 6557.29



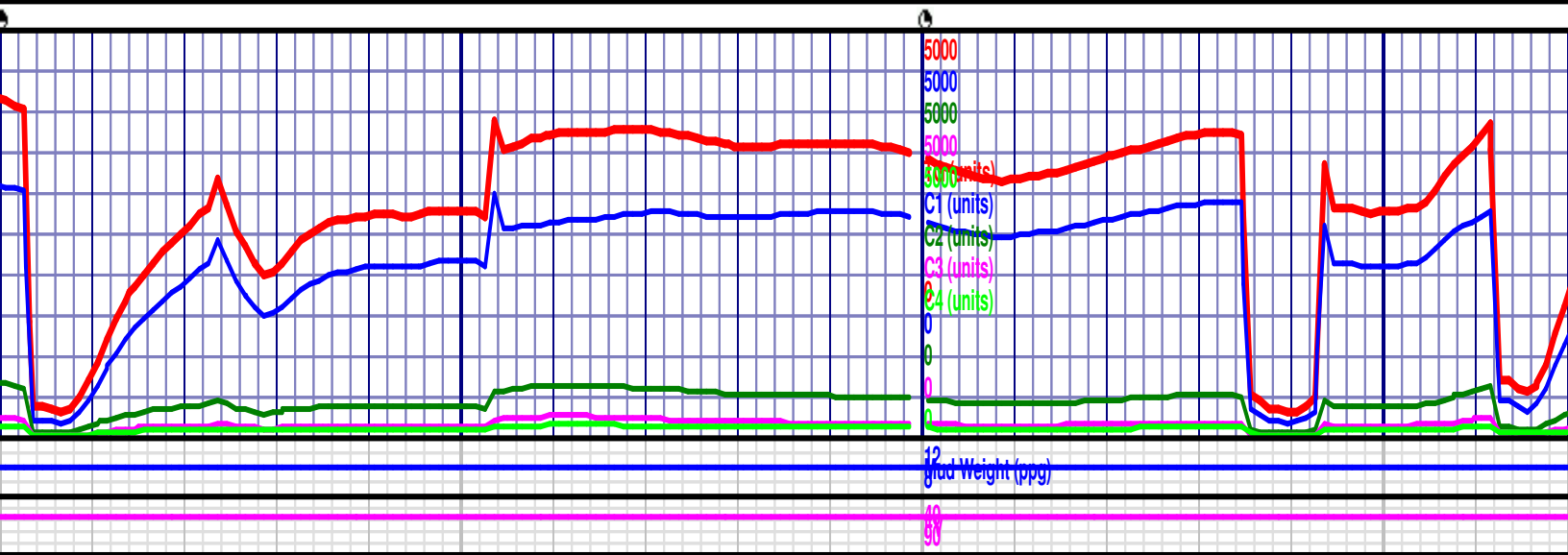
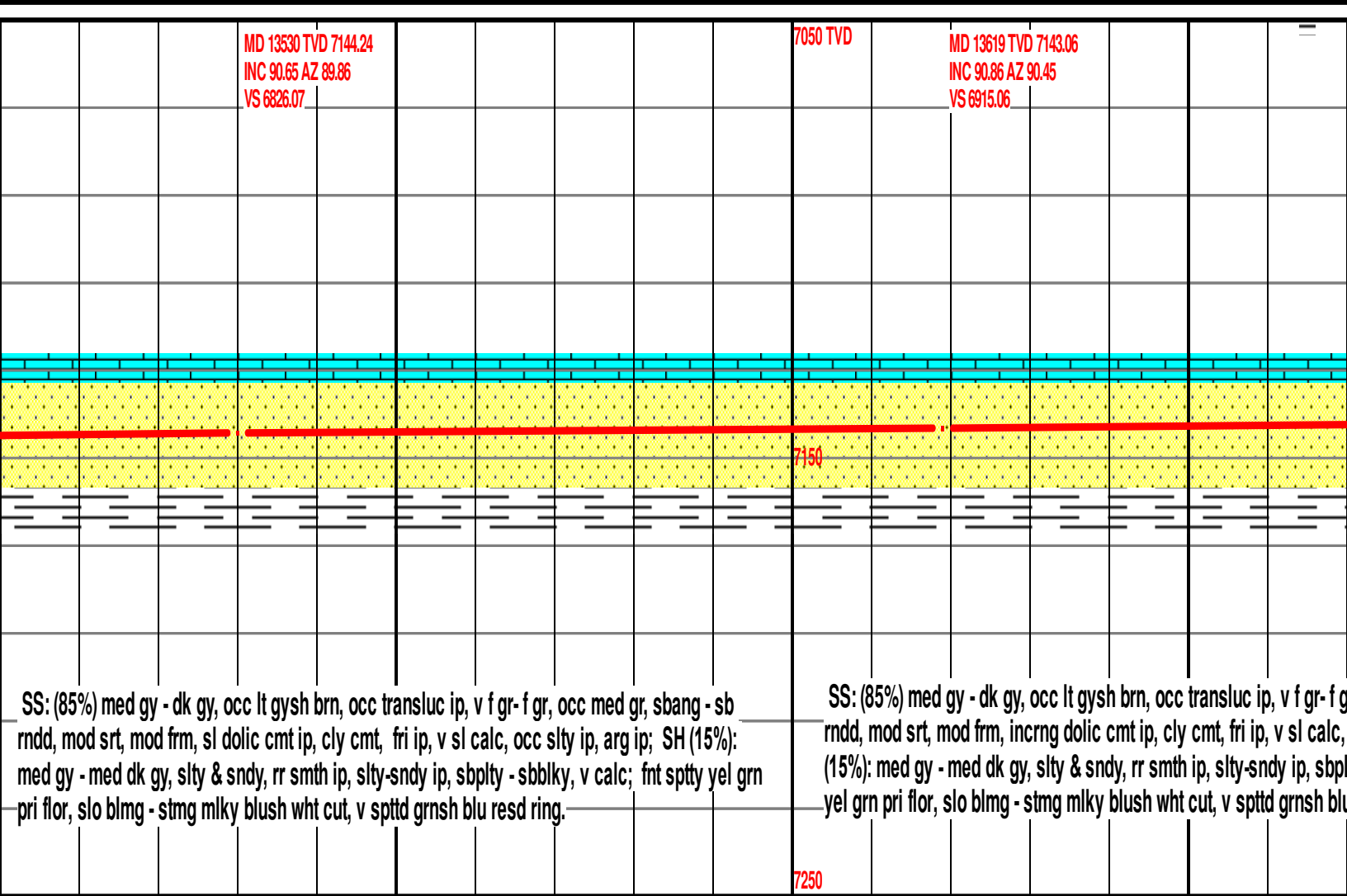
MW 10.05
 VS 56

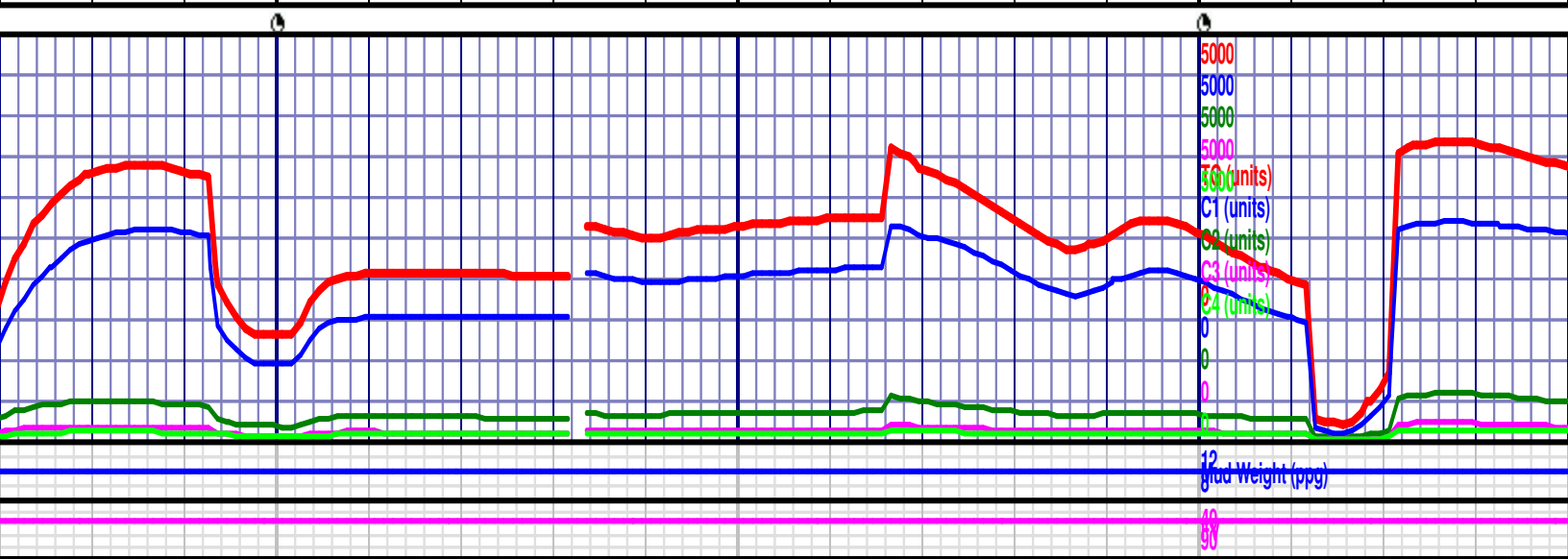
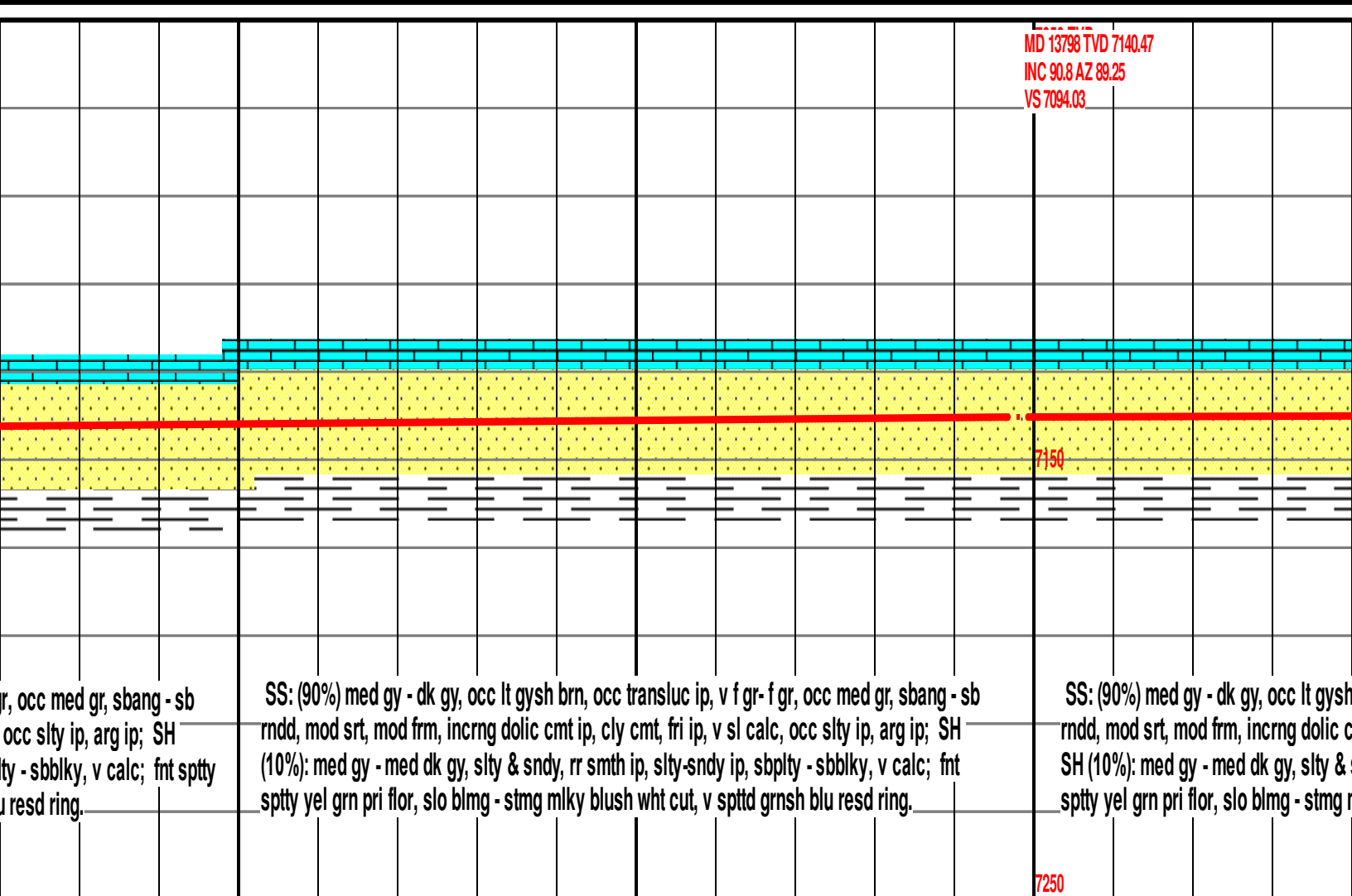


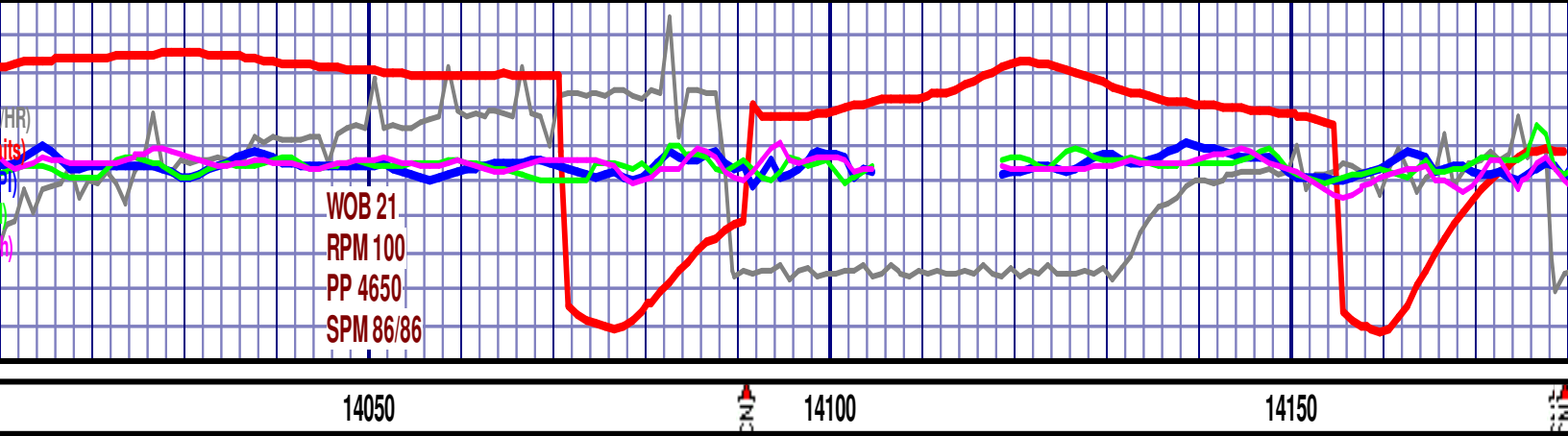




13500 13550 13600 13650

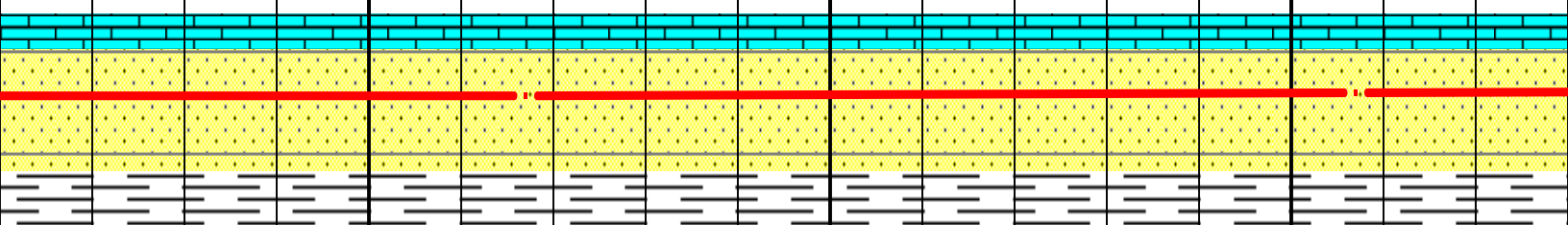






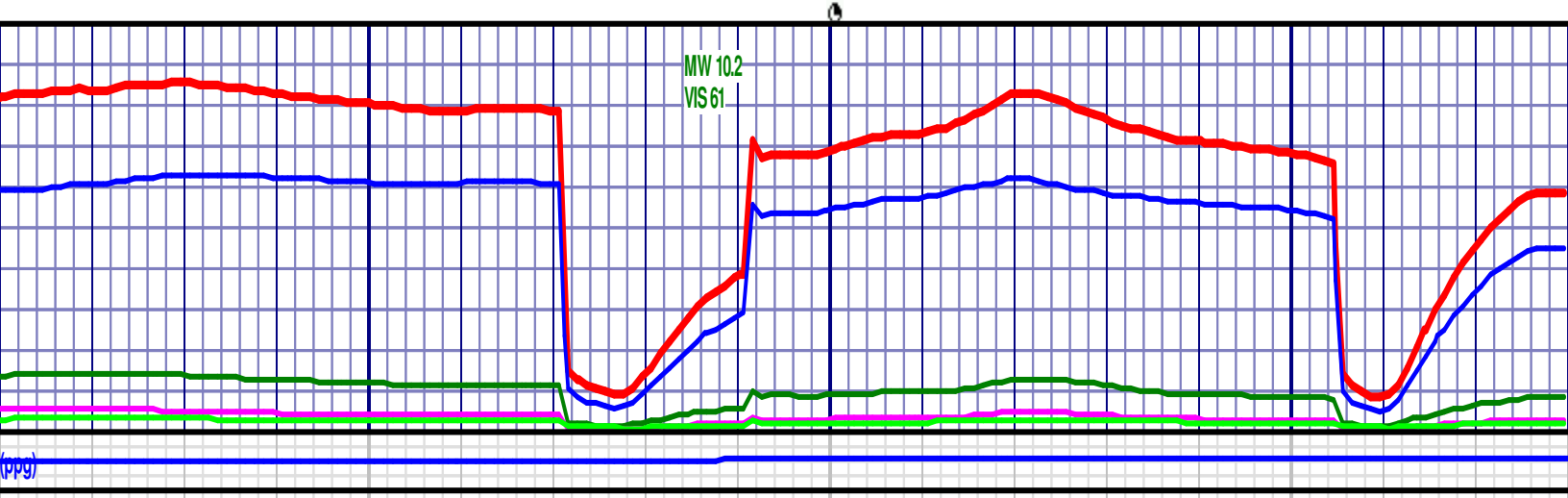
MD 14067 TVD 7138.37
INC 90.28 AZ 87.21
VS 7362.9

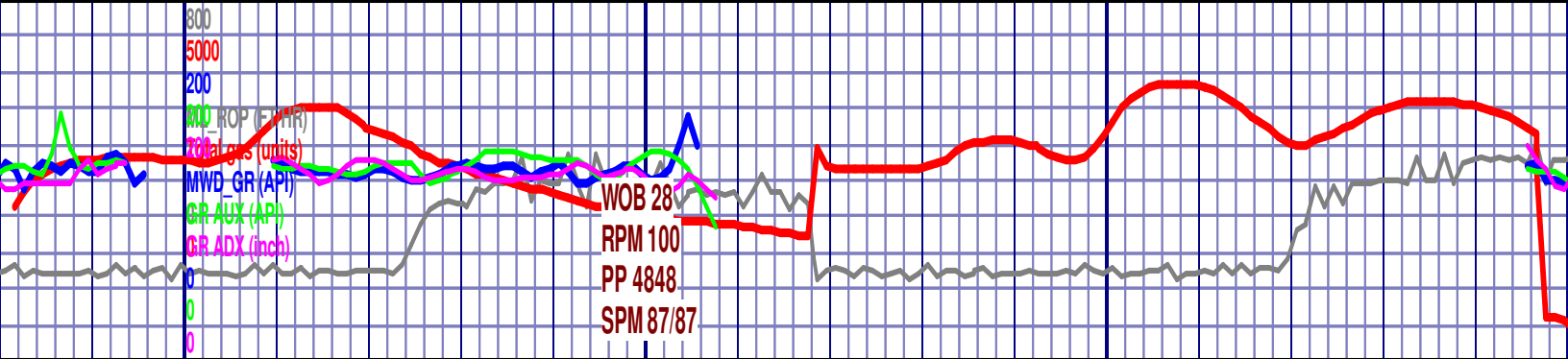
MD 14157 TVD 7137.86
INC 90.37 AZ 87.02
VS 7452.81



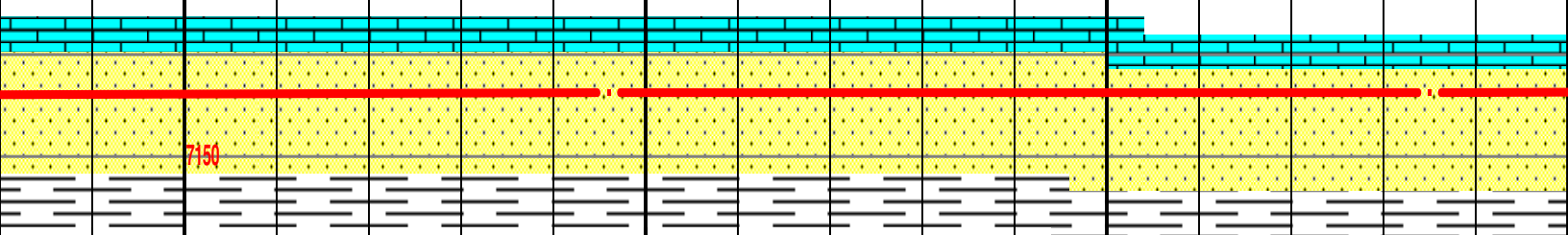
SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr-f gr, occ med gr, sbang - sb
rdd, mod srt, mod frm, incrng dolc cmt ip, cly cmt, fri ip, sl calc, occ slty ip, arg ip; SH
0%): med gy - med dk gy, slty & sndy, rr smth ip, slty-sndy ip, sbply - sbblky, v calc; fnt
bty yel grn pri flor, mod blmg - stmg mlky blush wht cut, v spstd grnsh blu resd ring.

SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr-f gr, occ me
rdd, mod srt, mod frm, incrng dolc cmt ip, cly cmt, fri ip, sl calc, occ slty ip,
med gy - med dk gy, slty & sndy, rr smth ip, slty-sndy ip, sbply - sbblky, v ca
pri flor, mod blmg - stmg mlky blush wht cut, v spstd grnsh blu resd ring.





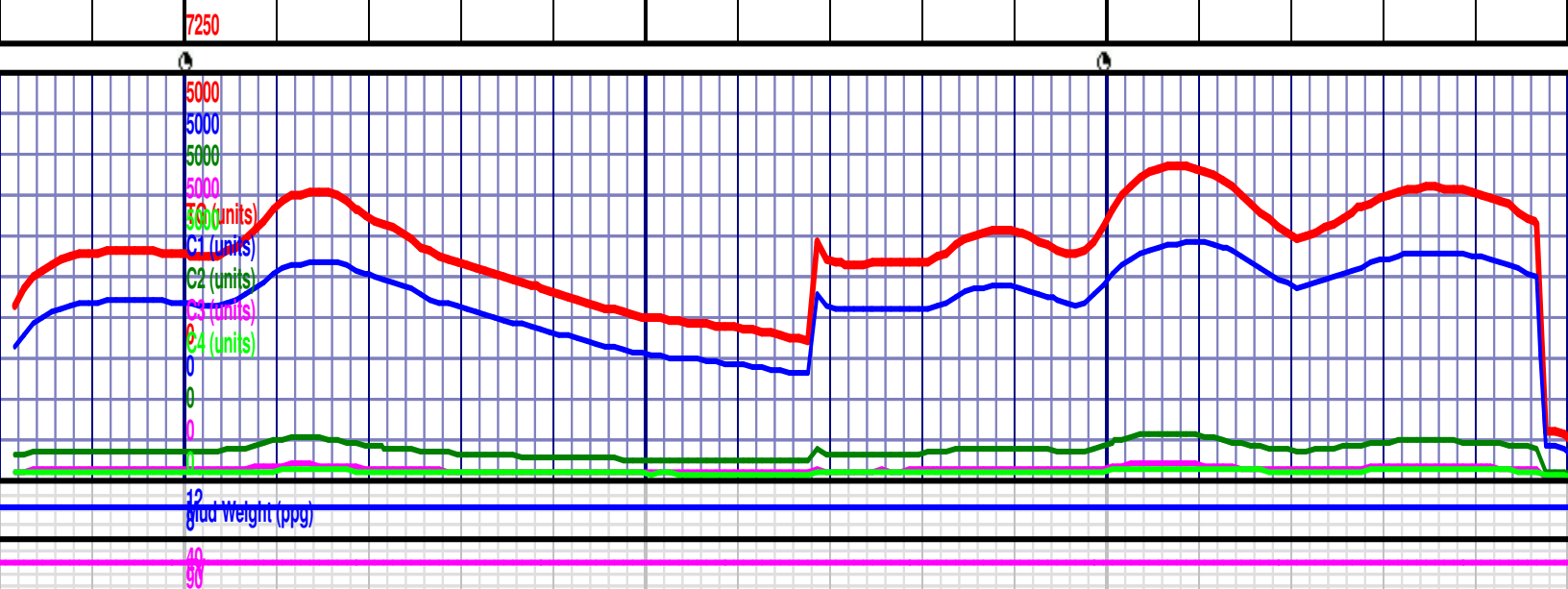
7050 TVD MD 14246 TVD 7137.46 MD 14335 TVD 7137.46
INC 90.15 AZ 89.56 INC 90.18 AZ 94.31
VS 7541.78 VS 7630.68

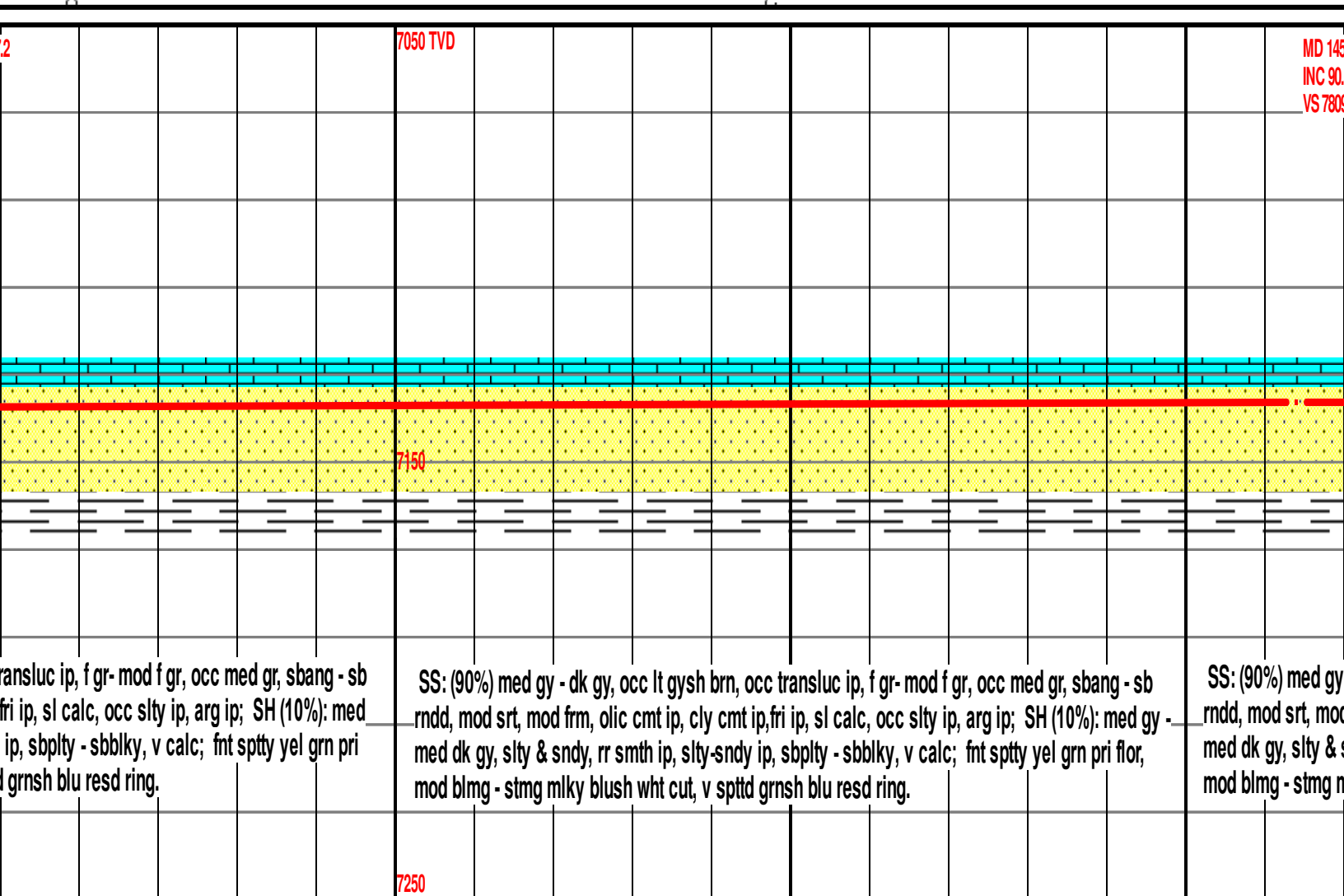


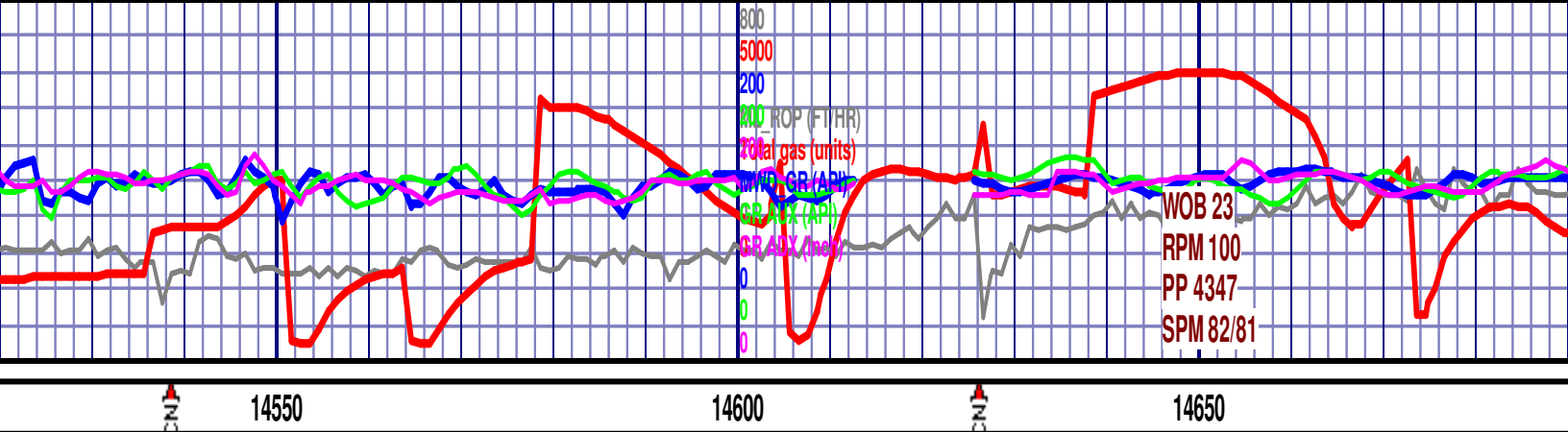
med gr, sbang - sb
arg ip; SH (10%);
lc; fnt spty yel grn

SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, v f gr-f gr, occ med gr, sbang - sb
rndd, mod srt, mod frm, incrng dolc cmt ip, cly cmt, fri ip, sl calc, occ slty ip, arg ip; SH
(10%): med gy - med dk gy, slty & sndy, rr smth ip, slty-sndy ip, sbply - sbbly, v calc; fnt
spty yel grn pri flor, mod blmg - stmg mlky blush wht cut, v spttd grnsh blu resd ring.

SS: (90%) med gy - dk gy, occ lt gysh brn, occ t
rndd, mod srt, mod frm, dolc cmt ip, cly cmt ip,
gy - med dk gy, slty & sndy, rr smth ip, slty-sndy
flor, mod blmg - stmg mlky blush wht cut, v spttd

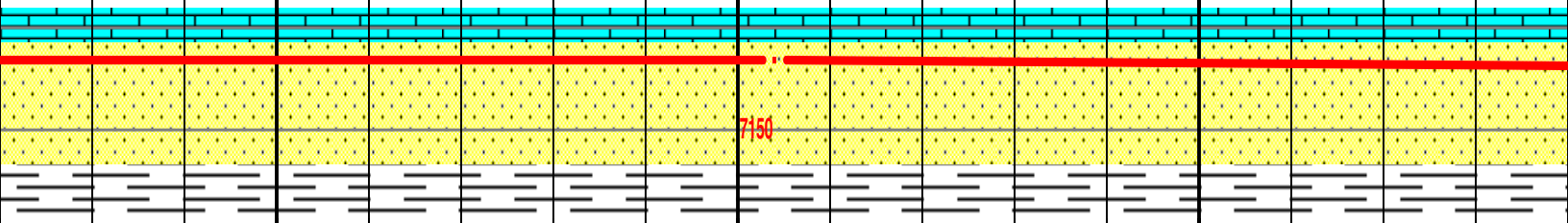






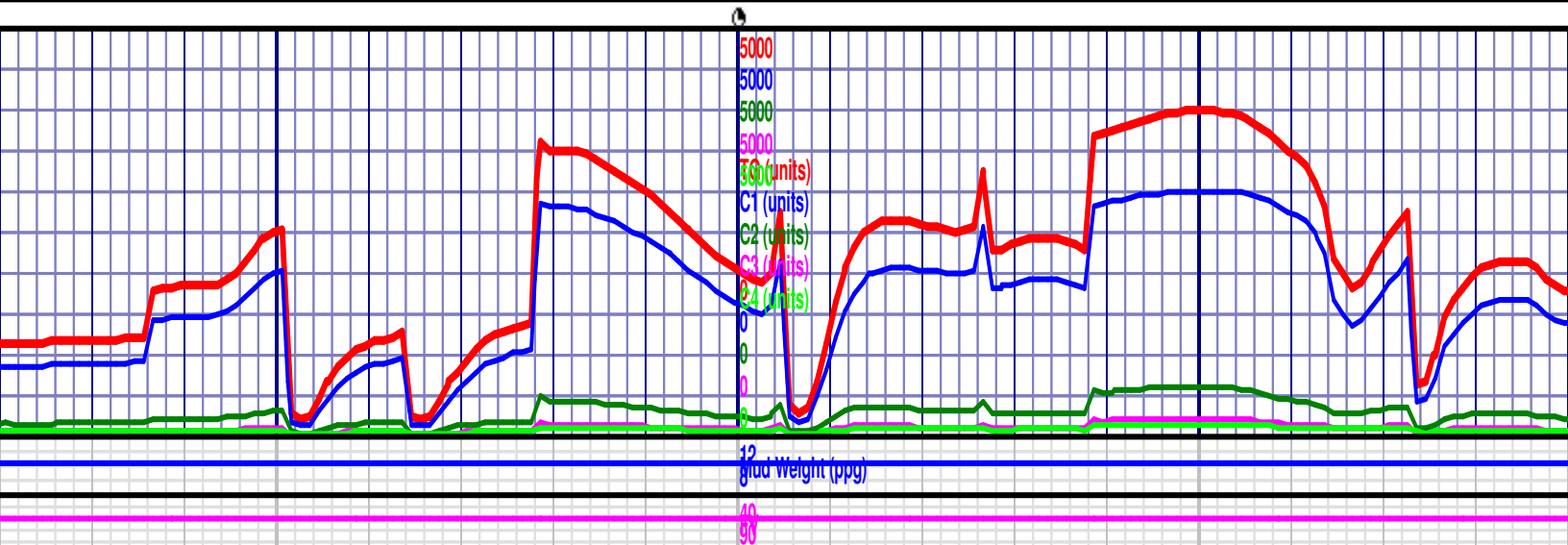
1414 TVD 7136.06
55 AZ 88.29
3.52

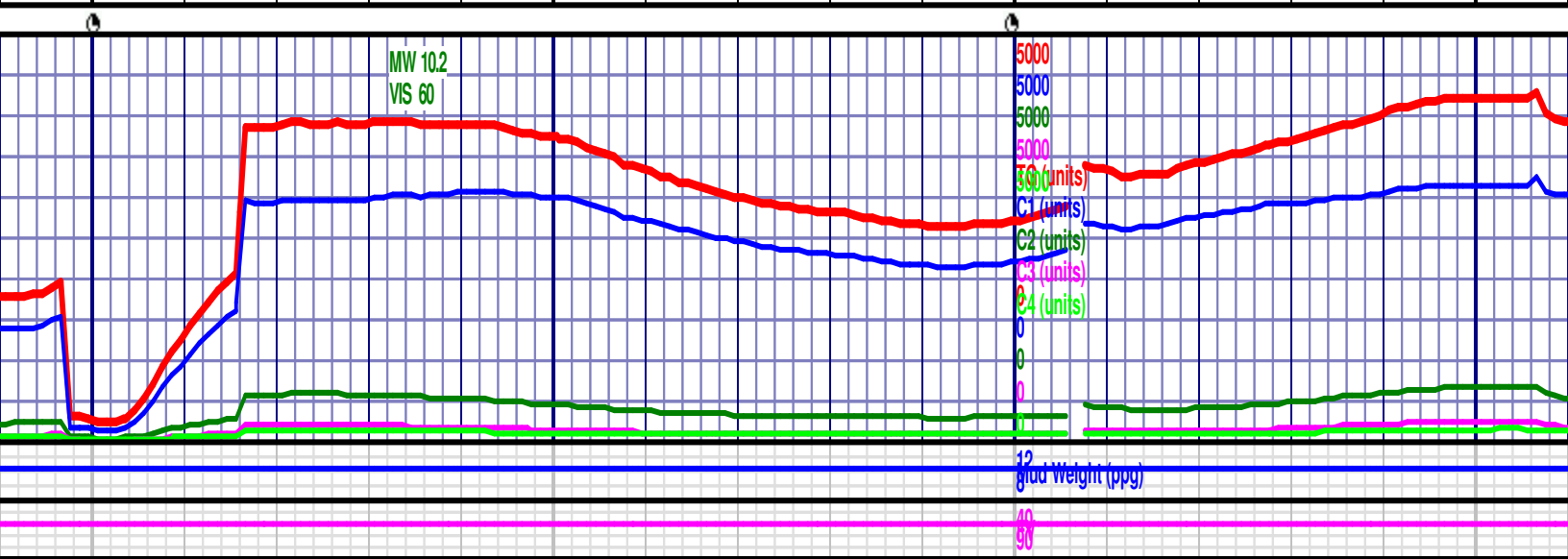
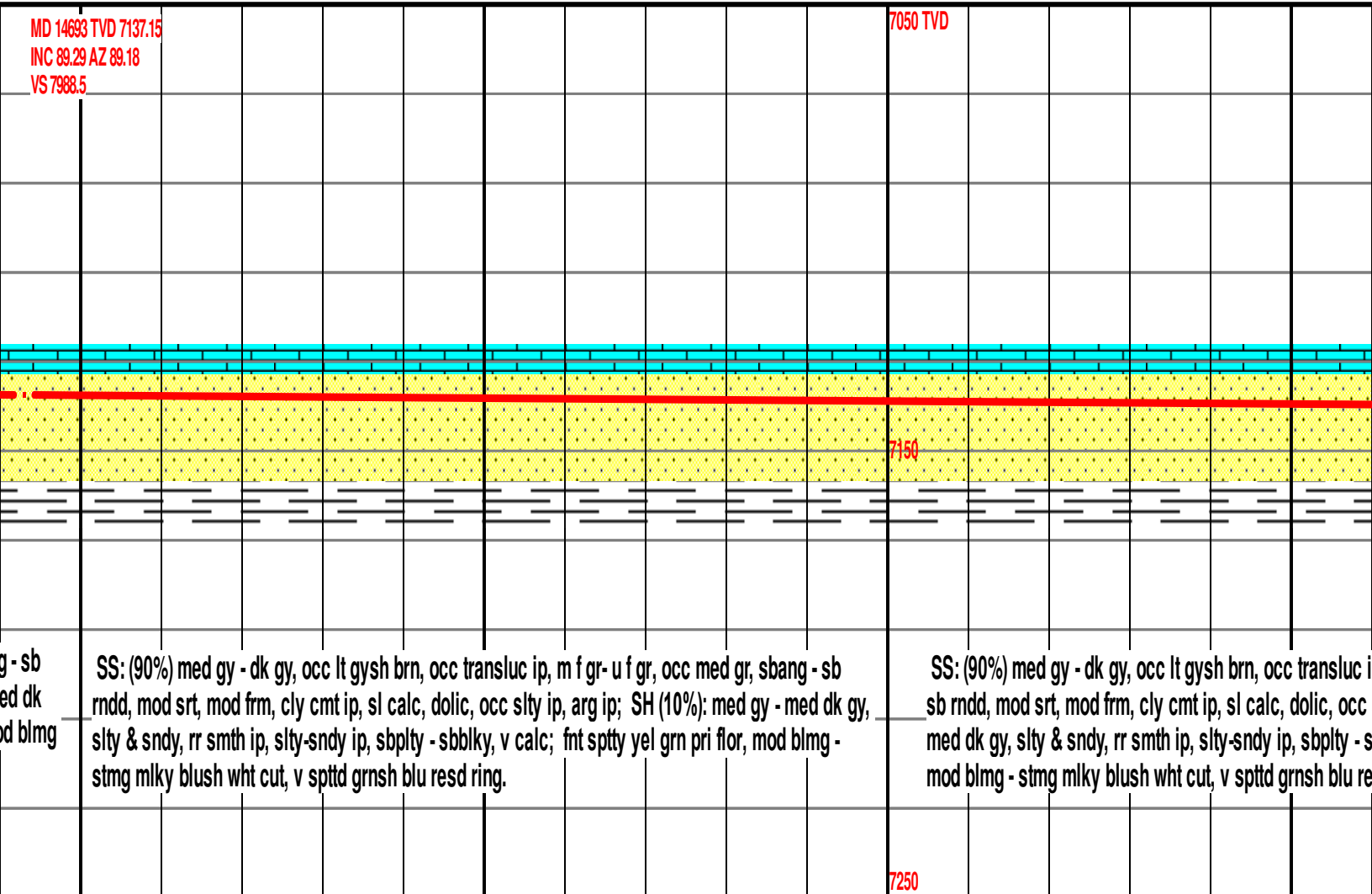
7050 TVD 14604 TVD 7136.11
INC 89.38 AZ 89.46
VS 7899.51

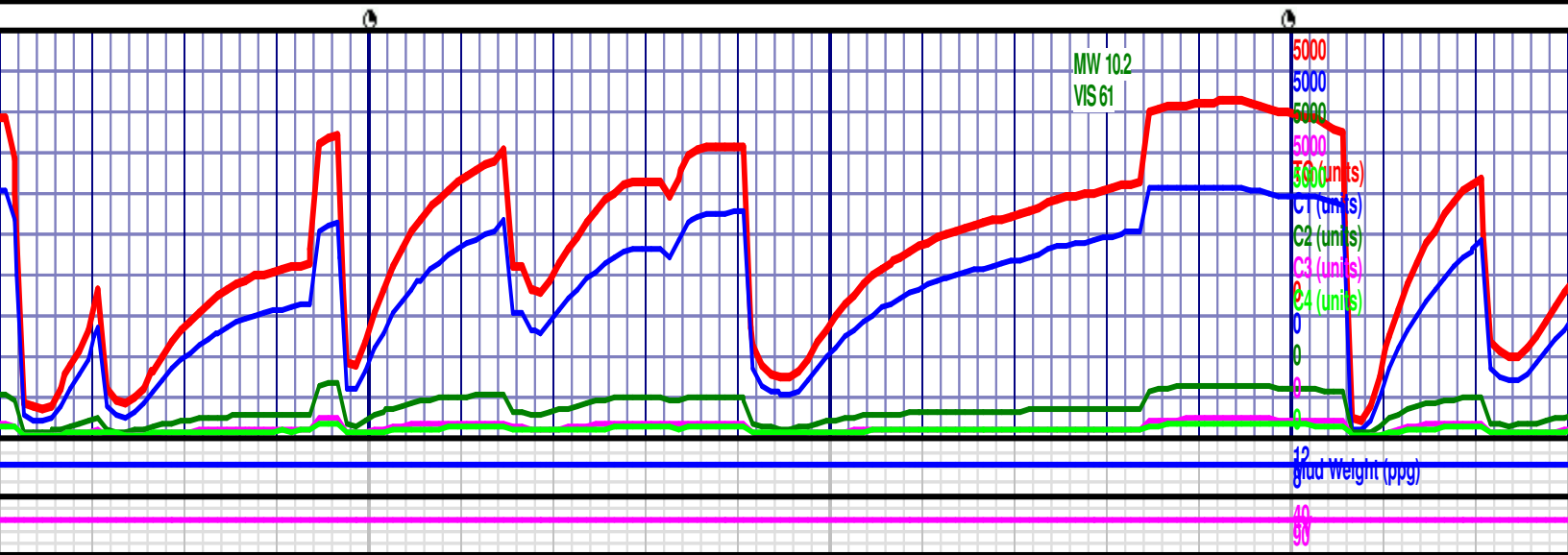
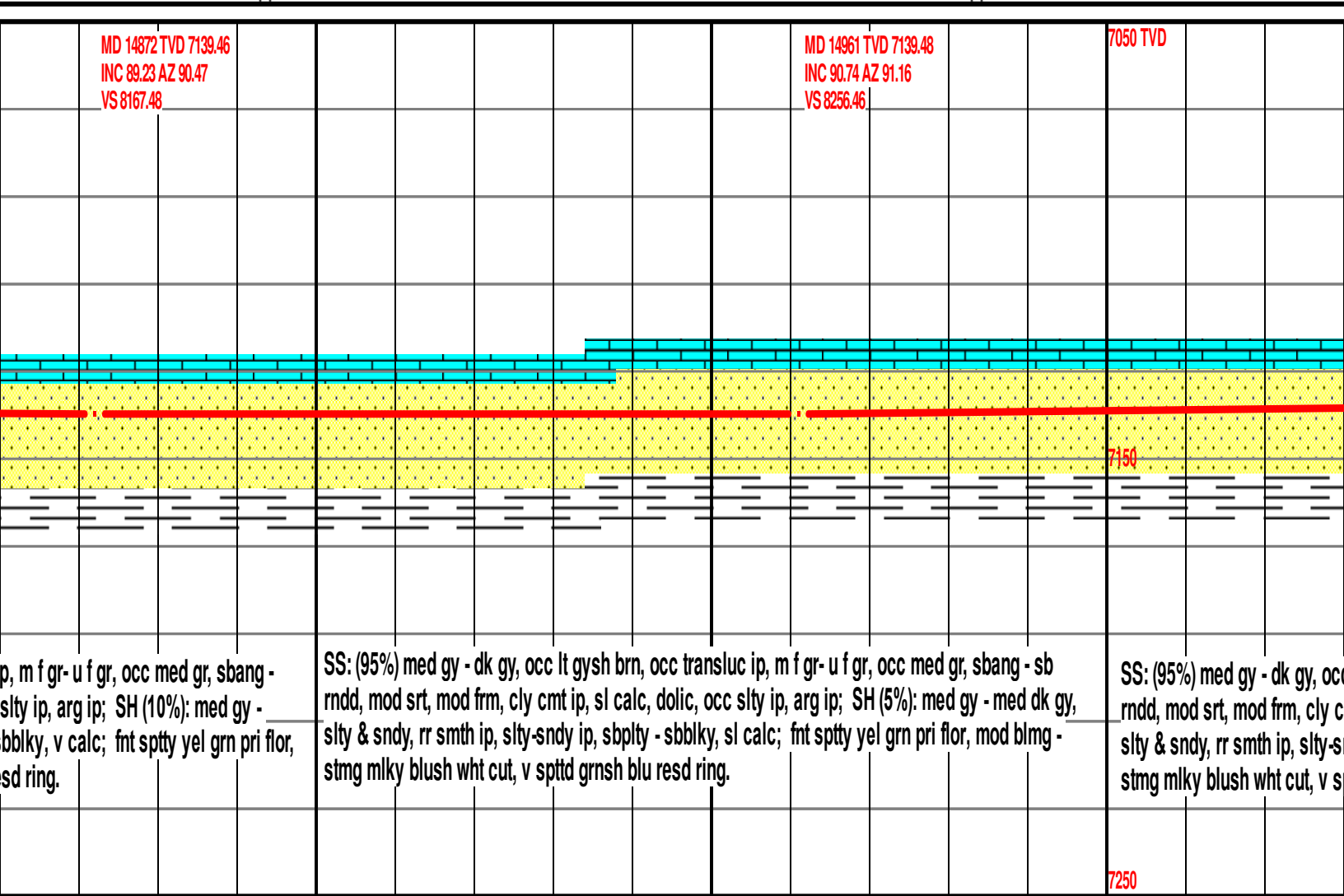


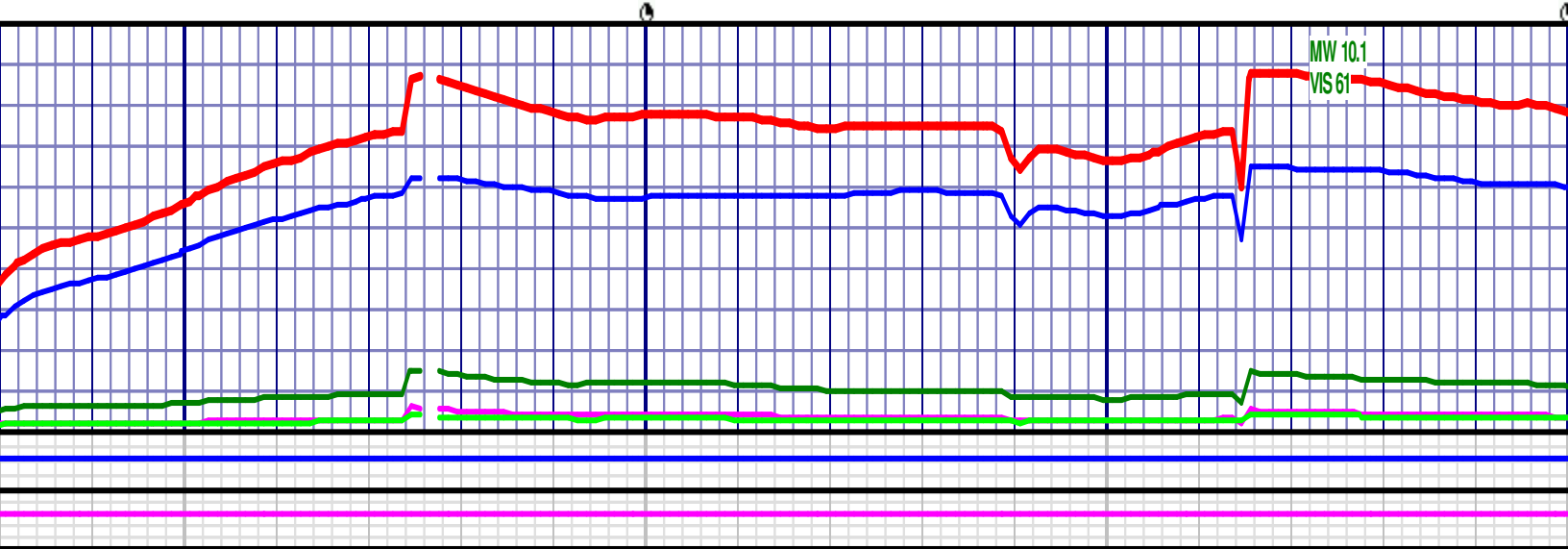
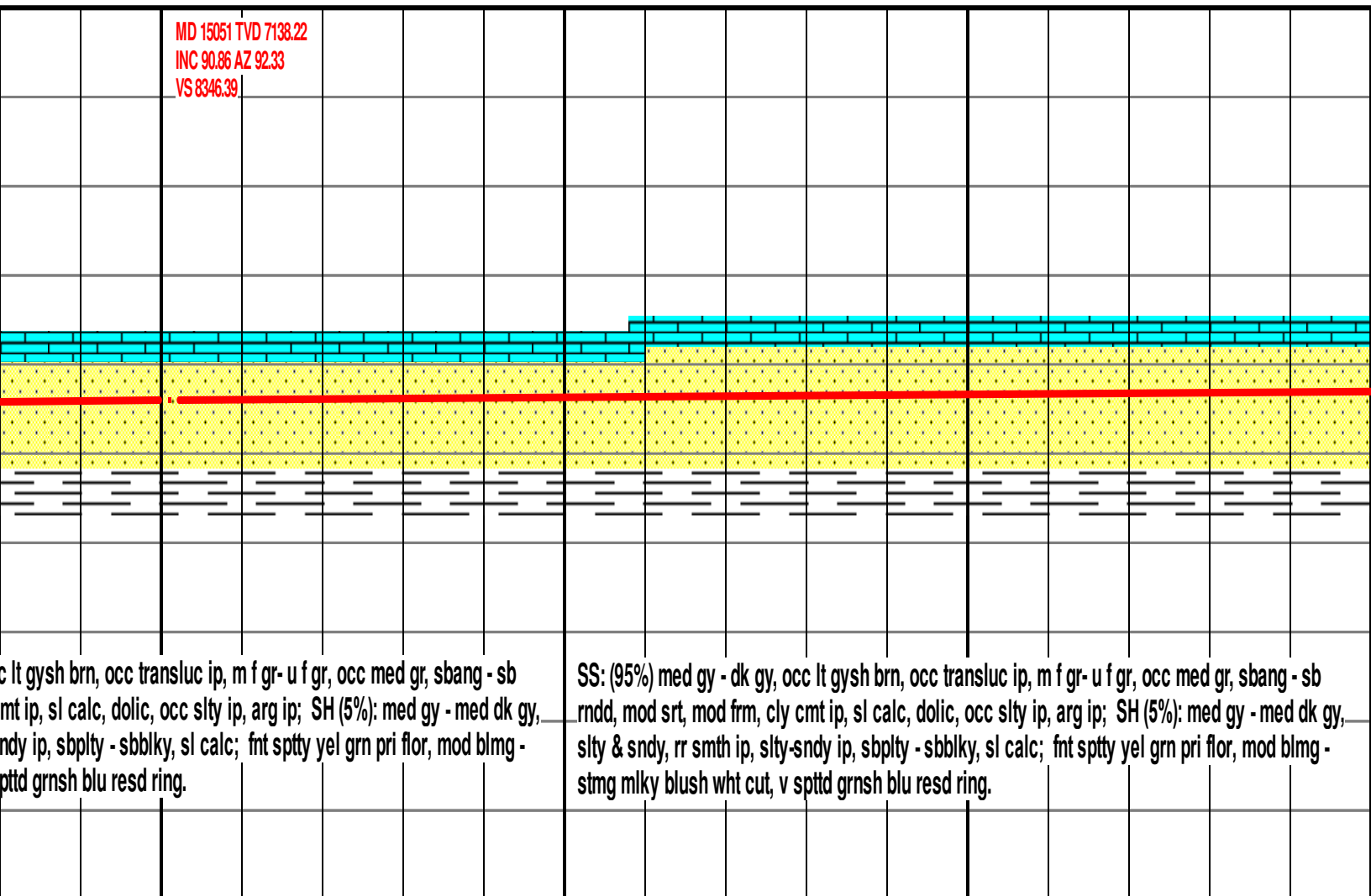
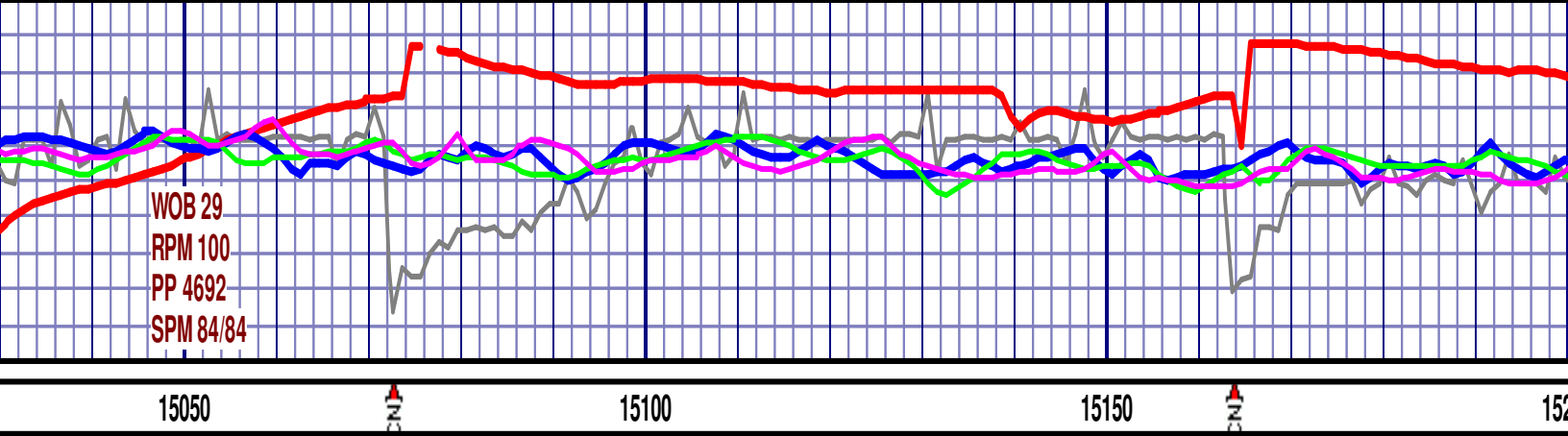
- dk gy, occ lt gysh brn, occ transluc ip, f gr- mod f gr, occ med gr, sbang - sb
d frm, olic cmt ip, cly cmt ip, fri ip, sl calc, occ slty ip, arg ip; SH (10%): med gy -
sny, rr smth ip, slty-sndy ip, sbply - sbbly, v calc; fnt spty yel grn pri flor,
mlky blush wht cut, v spttd grnsh blu resd ring.

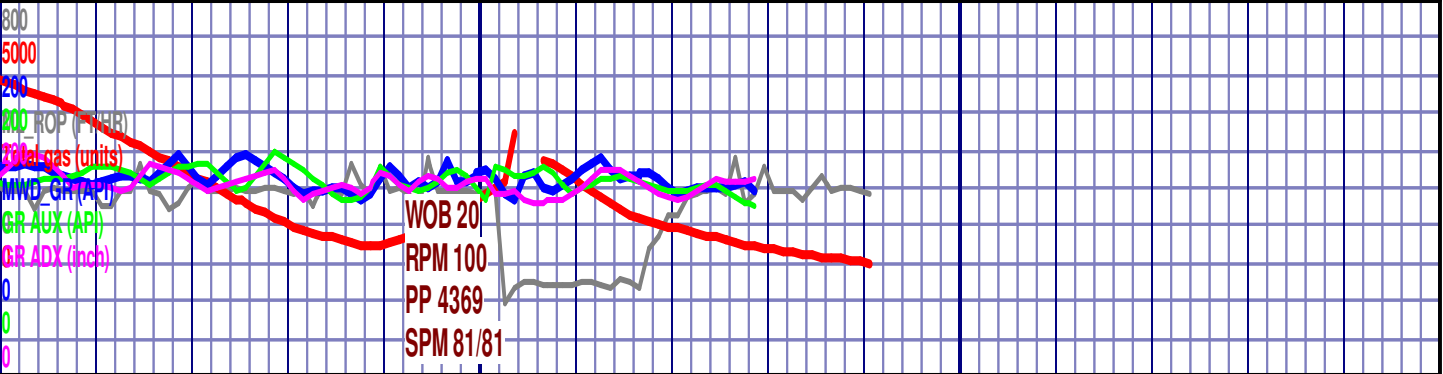
SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, m f gr- u f gr, occ med gr, sbang
rndd, mod srt, mod frm, cly cmt ip, sl calc, dolic, occ slty ip, arg ip; SH (10%): med gy - m
gy, slty & sny, rr smth ip, slty-sndy ip, sbply - sbbly, v calc; fnt spty yel grn pri flor, m
- stmg mlky blush wht cut, v spttd grnsh blu resd ring.











200 15250 15300 15400

7050 TVD MD 15230 TVD 7135.96 INC 90.59 AZ 96.81 VS 8524.67 MD 15292 TVD 7135.32 INC 90.59 AZ 96.81 VS 8586.18

BIT #2, 8.5", BAKER, ATD505T, JETS 8x15, SN#: 5287079, ROTARY STEERABLE DIRECTIONAL BHA, IN @ 1,851', ON 8/24/18, OUT @ 15,292' DRILLED 13,441' IN 42.2 BIT HR.

TD @ 15292' ON AUG. 27/18, 0840 HR.

FORMATION TOP's

	MD	TVD	SSD
Sharon Springs	7163'	6826'	-2082'
Niobrara A Chalk	7196'	6855'	-2111'
Niobrara B Chalk	7365'	6987'	-2243'
Niobrara C Chalk	7477'	7059'	-2315'
Ft Hays	7640'	7135'	-2391'
Codell	7733'	7161'	-2417'
Target Heel	7845'	7175'	-2431'
Target Toe	15292'	7135'	-2391'

SS: (90%) med gy - dk gy, occ lt gysh brn, occ transluc ip, m f gr- u f gr, occ med gr, sbang - sb rndd, mod srt, mod frm, cly cmt ip, sl calc, dolc, occ slty ip, arg ip; SH (10%): med gy - med dk gy, slty & sndy, rr smth ip, slty-sndy ip, sbply - sbbly, sl calc; fnt spty yel grn pri flr, mod blmg - stmg mlky blush wht cut, v spttd grnsh blu resd ring.

THANK YOU
GOOLSBY BROTHERS & ASSOC. INC

