



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

Well Name: KERR 36C-25HZ
API: 05123389800000
Location: Weld County, CO.
License Number: **Region:** DJ Basin
Spud Date: 1/13/2015 **Drilling Completed:** 1/20/2015
Surface Coordinates: 576'FSL & 2056'FWL, SEC.13 T2N R67W

Bottom Hole Coordinates: 1'FSL & 2590'FEL, SEC.25 T2N R67W
Ground Elevation (ft): 4883' **K.B. Elevation (ft):** 4899'
Logged Interval (ft): 6750' **To:** 17923' **Total Depth (ft):** 17923'
Formation: Codell
Type of Drilling Fluid: Water Base Mud

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

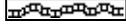
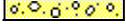
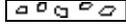
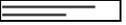
OPERATOR

Company: Anadarko Petroleum Corporation
Address: 1099 18th Street, Suite 1800
Denver, CO 80202-1918

GEOLOGIST

Name: Ben Thompson / Kevin Bettenhausen
Company: Great Divide Consulting, Inc.
Address: 11990 North Grant Street, Suite 220
 Northglenn, CO 80233

ROCK TYPES

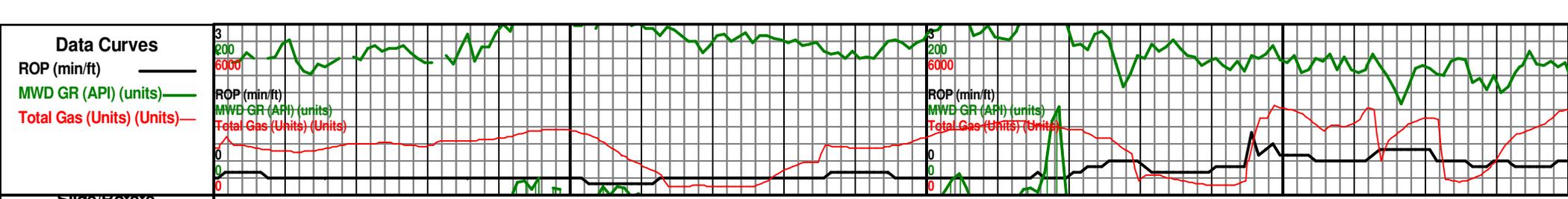
	Anhy		Coal		Lmst		Shale		Till
	Bent		Congl		Meta		Shcol		
	Brec		Dol		Mrleb59		Shgy		
	Cht		Gyp		Mrlst		Sltst		
	Clyst		Igne		Salt		Ss		

ACCESSORIES

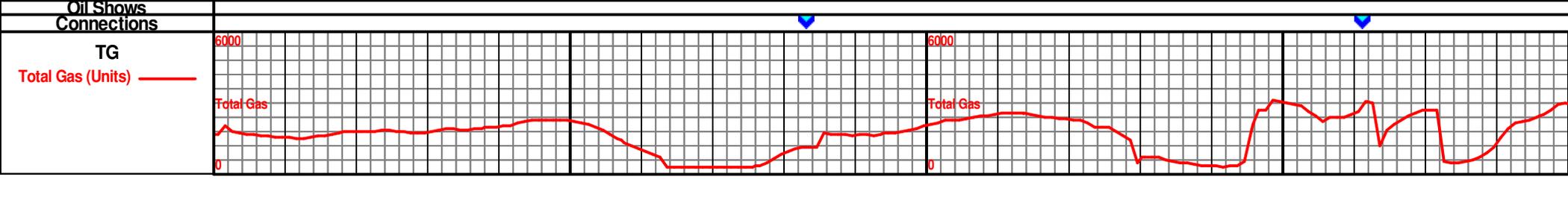
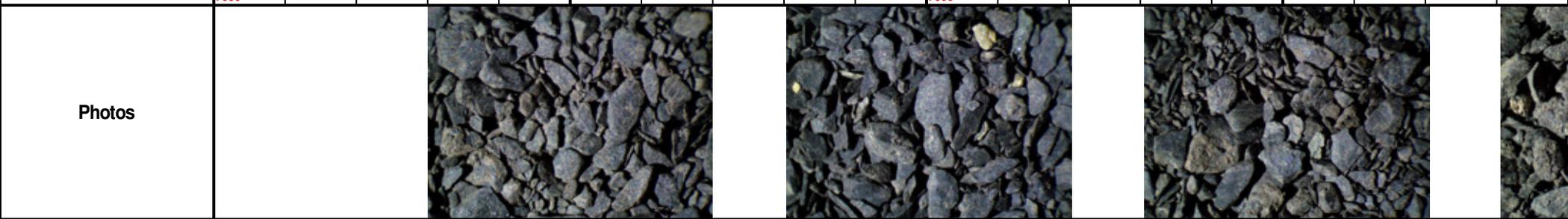
MINERAL		FOSSIL			TEXTURE
	Gyp		Ostra		
	Hvymin		Pelec		
	Kaol		Pellet		
	Marl		Pisolite		
	Minxl		Plant		
	Nodule		Strom		
	Phos			STRINGER	
	Pyr				
	Salt				
	Sandy				
	Silt				
	Sil				
	Sulphur				
	Tuff				
					

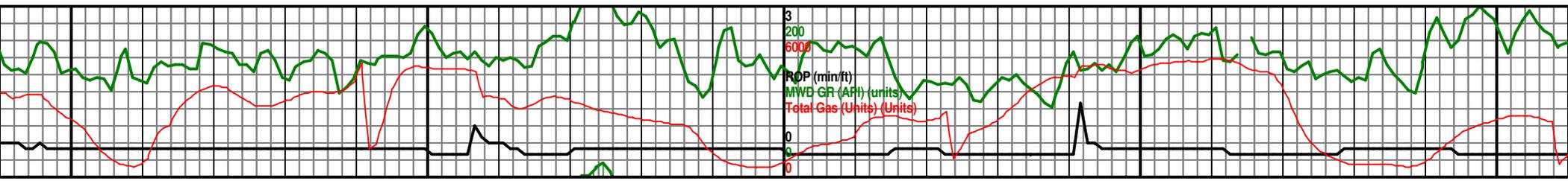
OTHER SYMBOLS

POROSITY	<input checked="" type="checkbox"/> Vuggy	ROUNDING		EVENT
			Spotted	
			Ques	
	SORTING		Dead	
				
	Well			
				
	Moderate			
				
	Poor	OIL SHOW	INTERVAL	
				Core
		Even		Dst

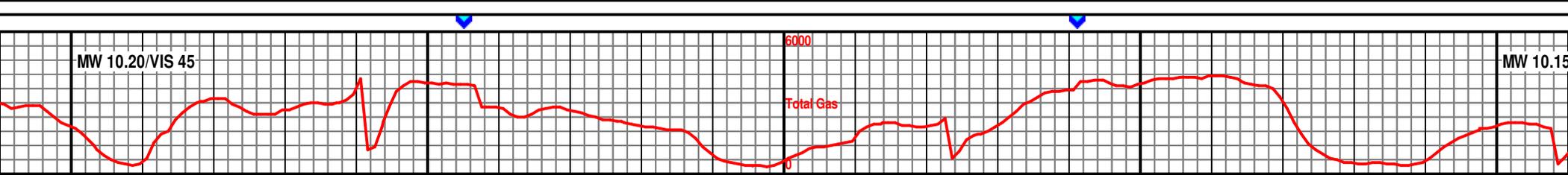


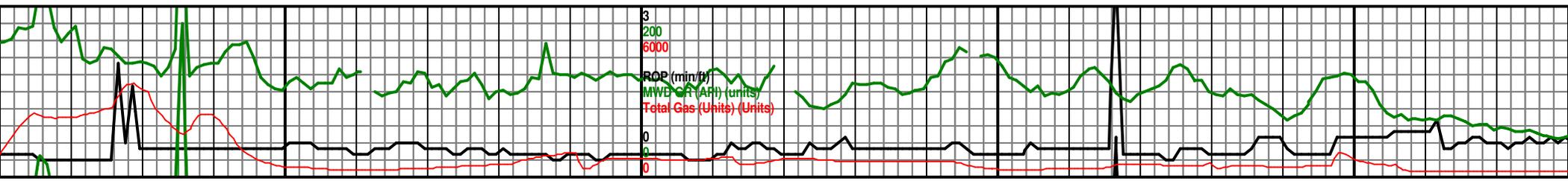
Side/Rotate	7150	7200	7250
Depth	7000 TVD	7000 TVD	7000 TVD
Well Bore Cross Section	Sharon Sggs Top @ 7139' MD / 7065'TVD		Niobrara A Top @ 7220'MD / 7140'TVD
	MD 7128 TVD 7059.83 INC 26.18 AZ 168.72 VS 411.34		MD 7213 TVD 7133.99 INC 32.27 AZ 172.84 VS 452.28
	Two man logging unit with sample program on-line resuming drilling in lateral section from 7849' MD, 1/16/2015. Bit#2 6.12 MM54, Shoe @ 7565'MD.		
	SH 100%: ltgy-gy, plty-sbplty, slty, sft, sl cal, nsfc.	SH 100%: ltgy-gy, plty-sbplty, slty, sft, sl cal, nsfc. Bent tr.	SH 90%: gy-drkgy, plty-sbplty, slty, sft, v calc. Chalk 10%: ltgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbplty, no sfl, fst str wh cut.
			Mrlst 50%: abnd intbd biocl, shly, frm, sbplty, no sfl, fst str wh cut. Chalk 20%: ltgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbplty, no sfl, fst str wh cut. SH 25% calc.





7300				7350				7400				7450				7500							
a B Top @ 7291'MD 7197'TVD								Niobrara C Top @ 7385'MD 7264'TVD								7000 TVD							
MD 7299 TVD 7203.05 INC 40.77 AZ 176.71 VS 503.18								MD 7384 TVD 7263.15 INC 49.15 AZ 180.96 VS 563.15								MD 7469 TVD 7313.54 INC 58.05 AZ 181.41 VS 631.49							
Itgy-mdgy, v calc, biocl, frm, sbply, no sfl, slw str wh cut. 15%: Itgy-gy, wh bnd chk, extr calc, occl, shly, frm, sbply, no sfl, fst str wh cut. 15%: gy-drkgy, pty-sbply, sity, sft, v calc.				Mrlst 60%: Itgy-mdgy, v calc, abnd intbd biocl, frm, sbply, no sfl, slw str wh cut. Chalk 15%: Itgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut. SH 25%: gy-drkgy, pty-sbply, sity, sft, v calc.				Chalk 70%: Itgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut. Mrlst 15%: Itgy-mdgy, v calc, intbd biocl, frm, sbply, no sfl, slw str wh cut. SH 15%: gy-drkgy, pty-sbply, sity, sft, v calc.				Chalk 70%: Itgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut. Mrlst 15%: Itgy-mdgy, v calc, intbd biocl, frm, sbply, no sfl, slw str wh cut. SH 15%: gy-drkgy, pty-sbply, sity, sft, v calc.				Mrlst 40%: Itgy-mdgy, v calc, intbd biocl, sbply, no sfl, slw str wh cut. SH 30%: pty-sbply, sity, sft, v calc. Chalk 10%: wh bnd chk, extr calc, occ intbd biocl, sbply, no sfl, fst str wh cut.							
7600																							



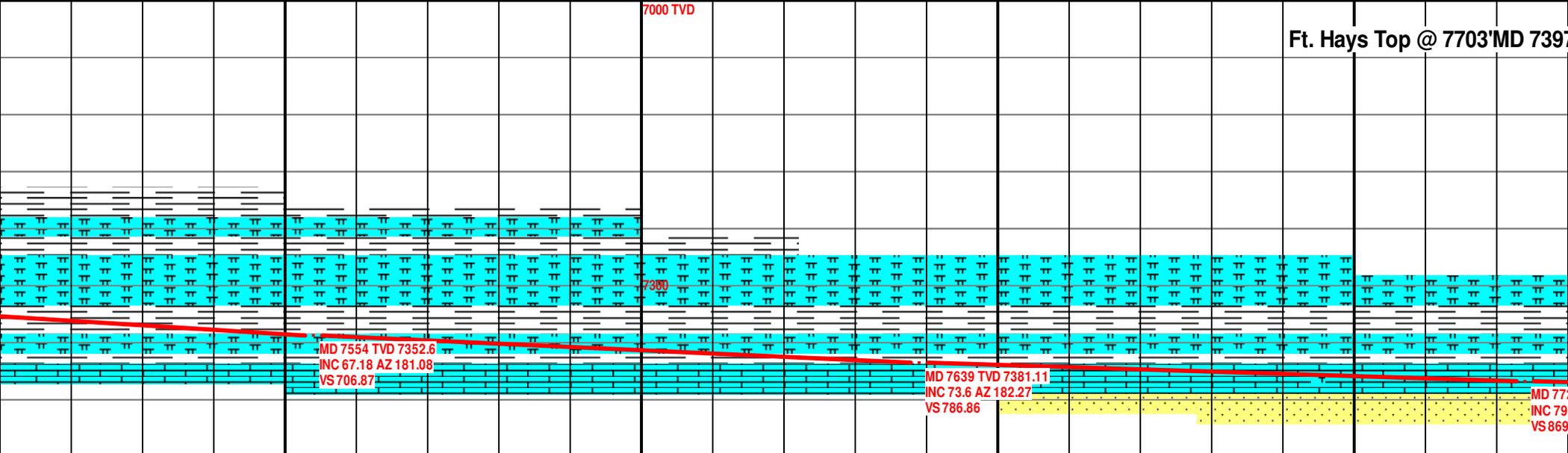


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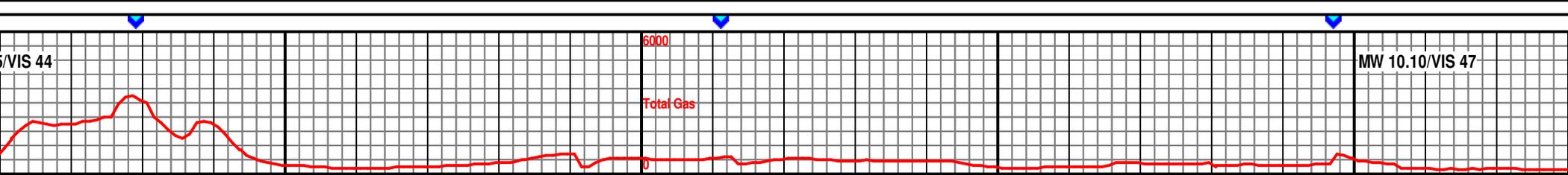
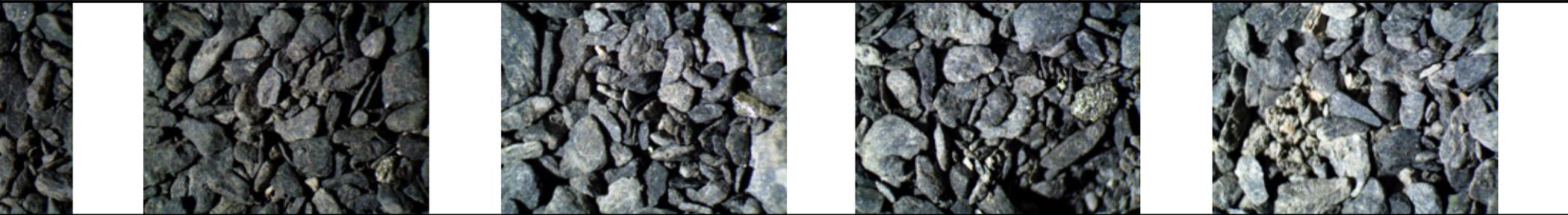
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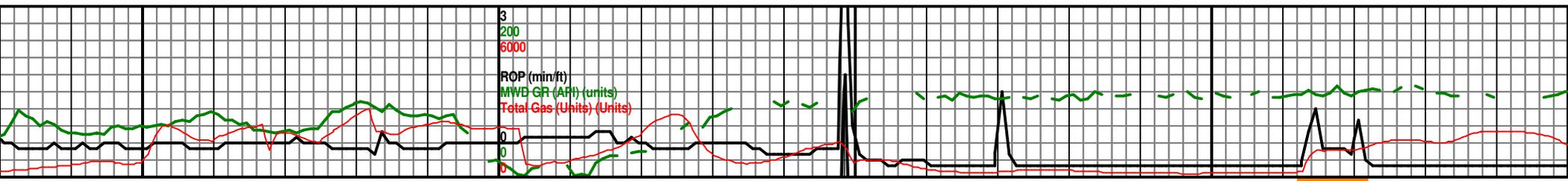
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7700

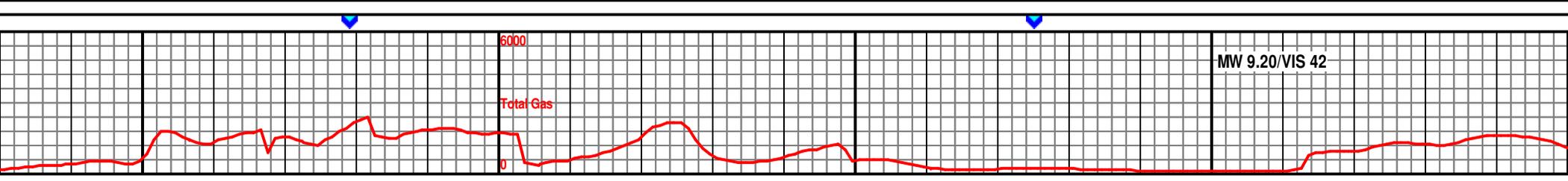


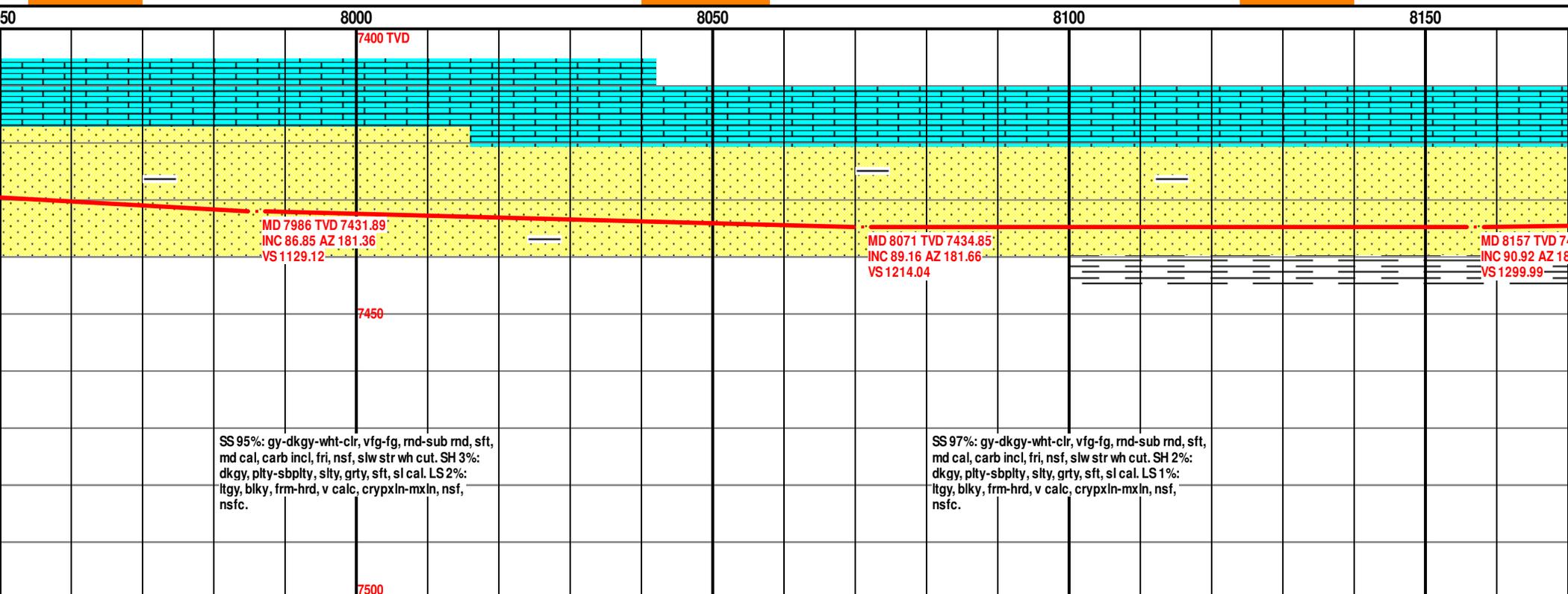
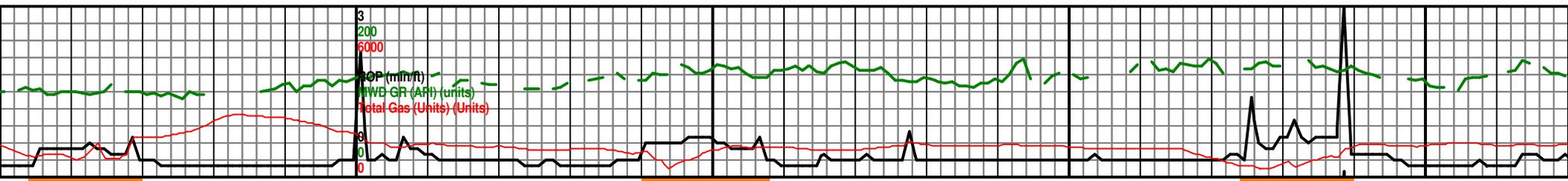
<p>bioc, frm, gy-drkgy, %: ltgy-gy, shly, frm,</p>	<p>Mrlst 40%: ltgy-mdgy, v calc, intbd biocl, frm, sbply, no sfl, slw str wh cut. SH 30%: gy-drkgy, pty-sbply, slty, sft, v calc. Chalk 10%: ltgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut.</p>	<p>Chalk 80%: ltgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut. Mrlst 5%: ltgy-mdgy, v calc, intbd biocl, frm, sbply, no sfl, slw str wh cut. SH 15%: gy-drkgy, pty-sbply, slty, sft, v calc.</p>	<p>Chalk 90%: ltgy-gy, wh bnd chk, extr calc, occ intbd biocl, shly, frm, sbply, no sfl, fst str wh cut. Mrlst 10%: ltgy-mdgy, v calc, intbd biocl, frm, sbply, no sfl, slw str wh cut.</p>	<p>LS98%: ltgy, blkly, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.</p>
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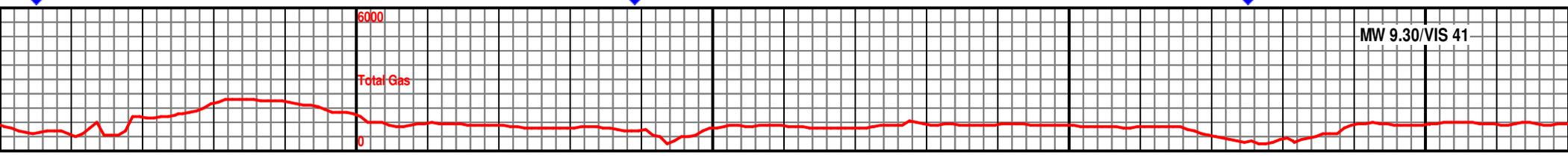
7750	7800	7850	7900	7950
7700 TVD	7000 TVD			7400 TVD
Codell Top				
Curve TD of 7848' MD Achieved @ 1:58am 1/15/2015. T.O.O.H for casing. B.O.B. and drilling ahead from 7849'MD @ 3:17am 1/17/2015.				
MD 7901 TVD 7426.27 INC 85.56 AZ 180.51 VS 1044.32				
Scale Change				
7450				
7400				
7300				
7200				
7100				
7000				
7600				
7500				
24 TVD 7401.03 28 AZ 183.137		MD 7790 TVD 7412.69 INC 80.38 AZ 183.05 VS 934.25		
LS 98%: ltgy, blkly, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.		LS 98%: ltgy, blkly, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.		LS 90%: ltgy, blkly, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SS 8%: gy-dkgy-wht clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.
SS 96%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. LS 2%: ltgy, blkly, frm-hrd, v calc, crypxln-mxln, nsf, nsfc. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.				

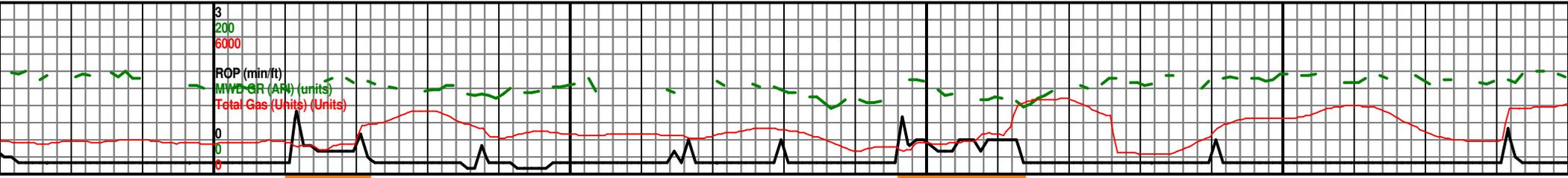




SS 95%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 3%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS 2%: ltgy, blk, frm-hrd, v calc, crypxln-mxln, nsf, nsfc.

SS 97%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS 1%: ltgy, blk, frm-hrd, v calc, crypxln-mxln, nsf, nsfc.





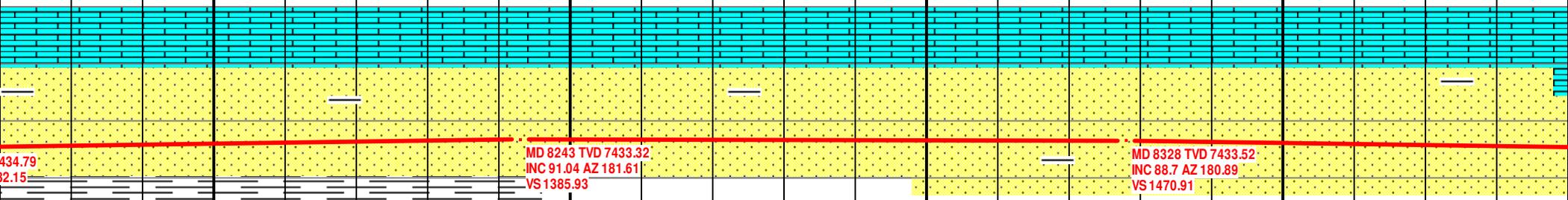
8200

8250

8300

8350

7400 TVD



7450

SS 90%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 9%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS 1%: ltgy, blk, frm-hrd, v calc, crypxln-mxin, nsf, nsfc.

SS 96%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 4%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS tr.

SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS tr.

7500

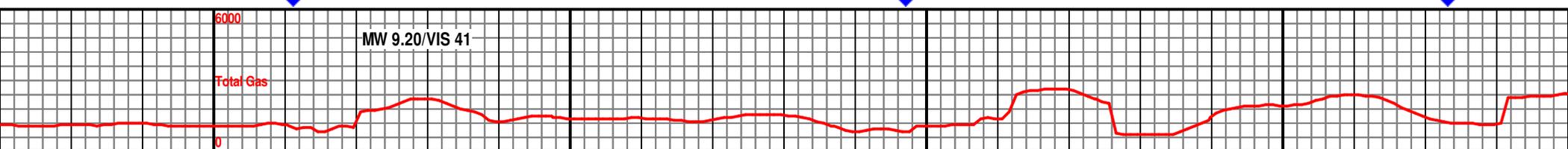


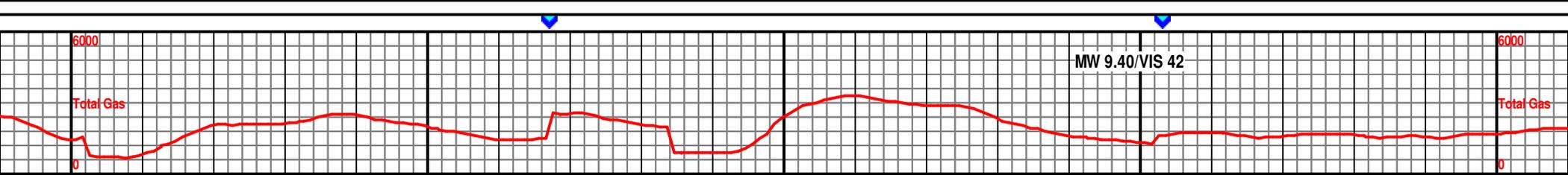
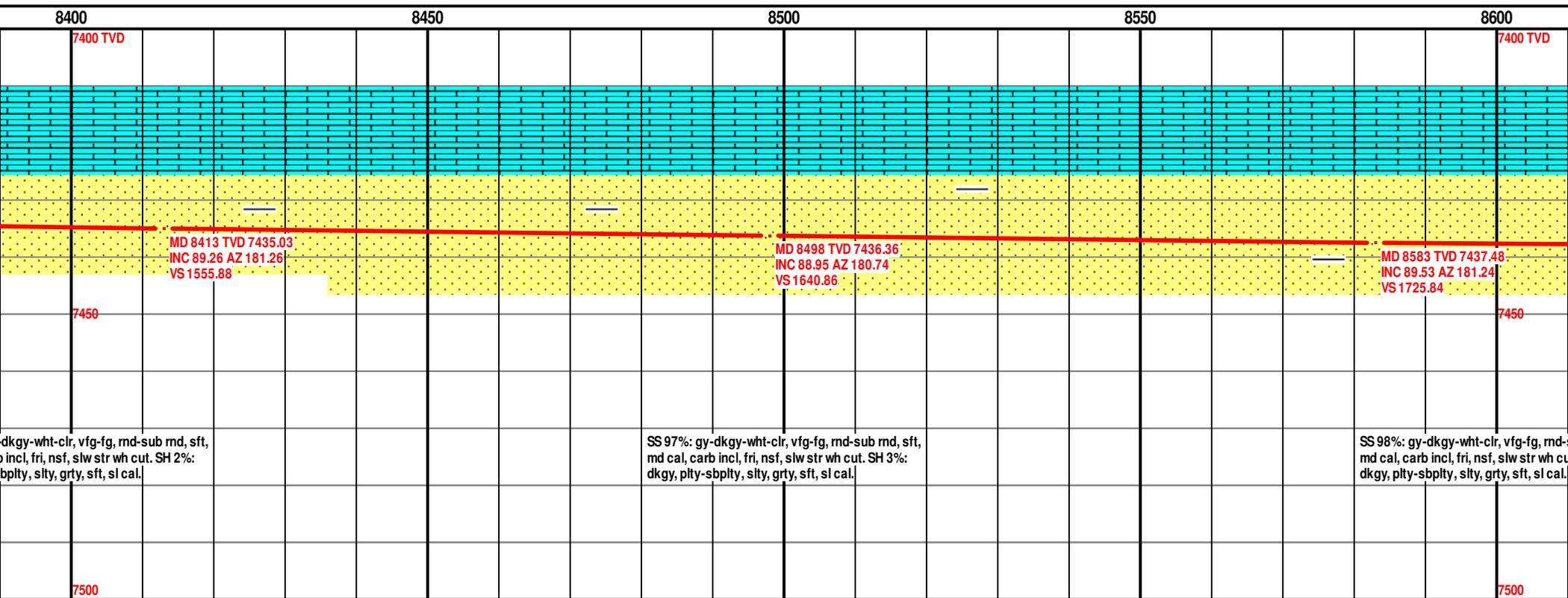
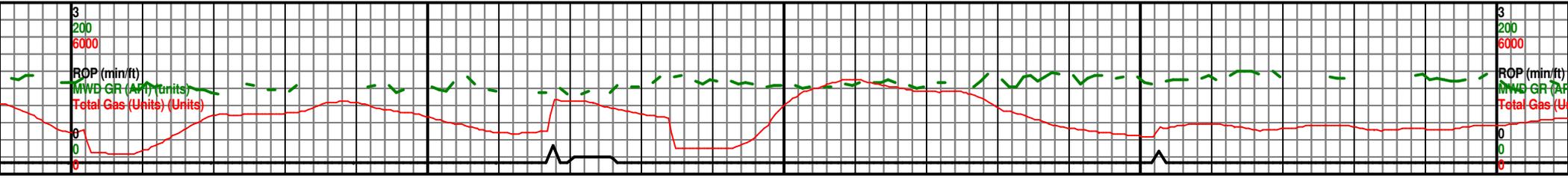
MW 9.20/VIS 41

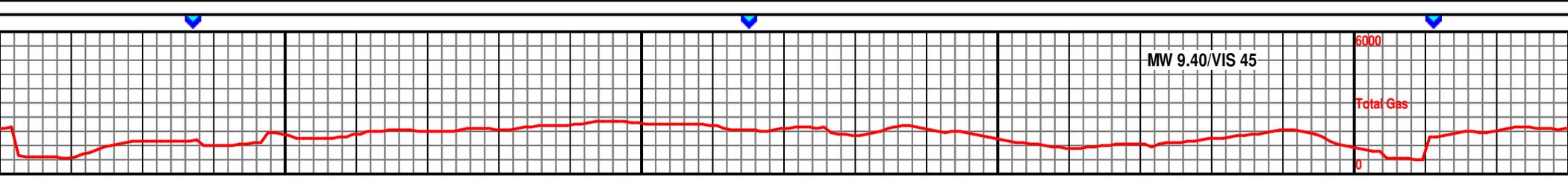
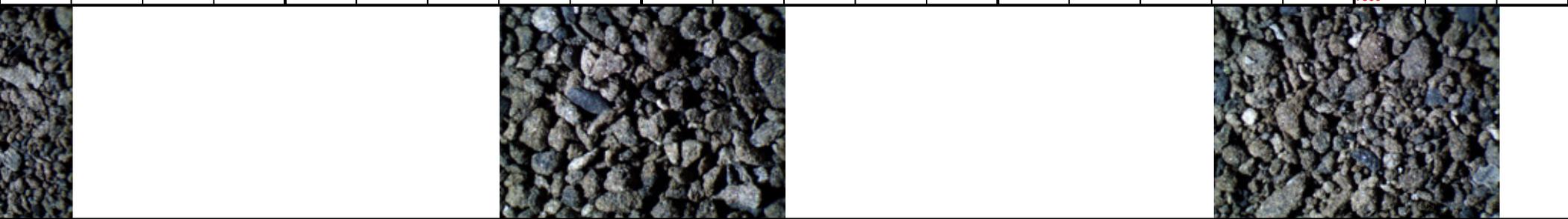
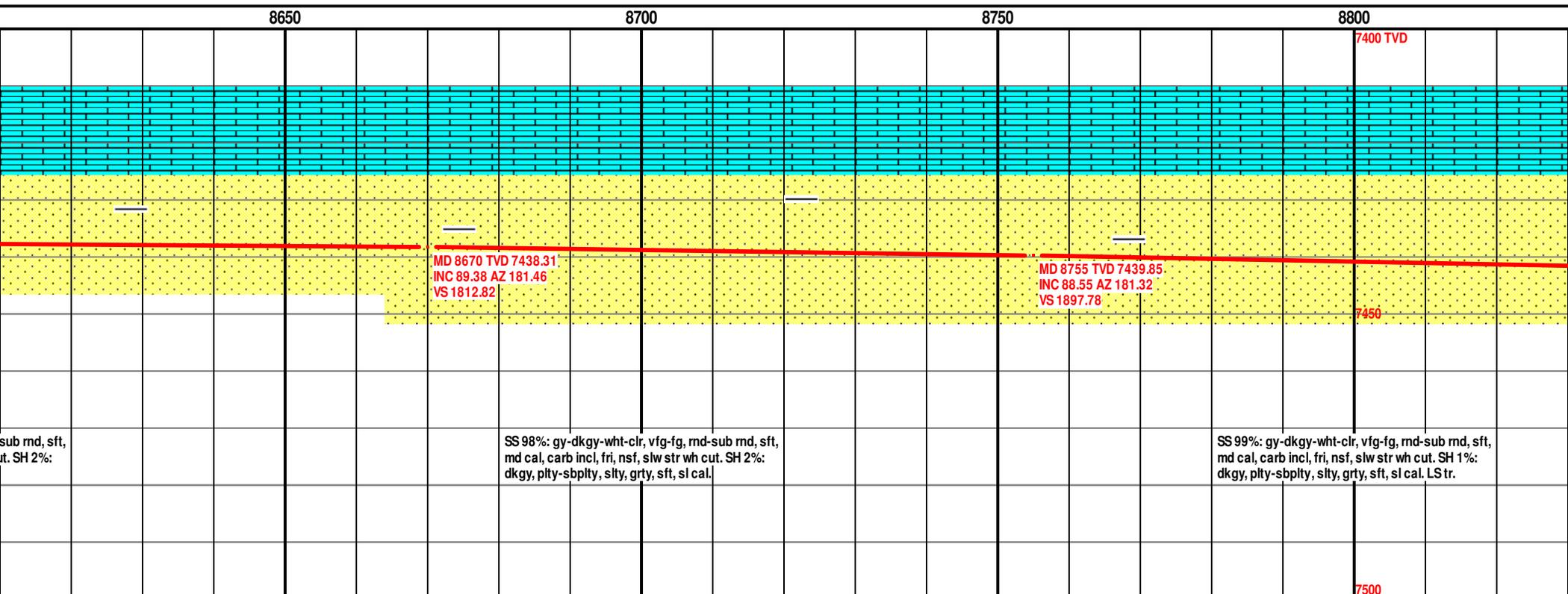
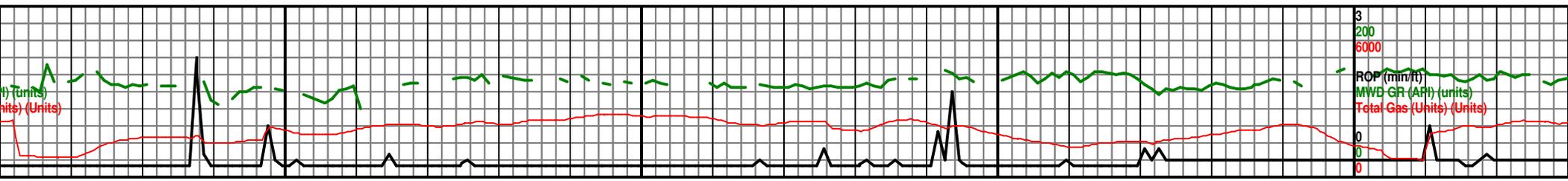
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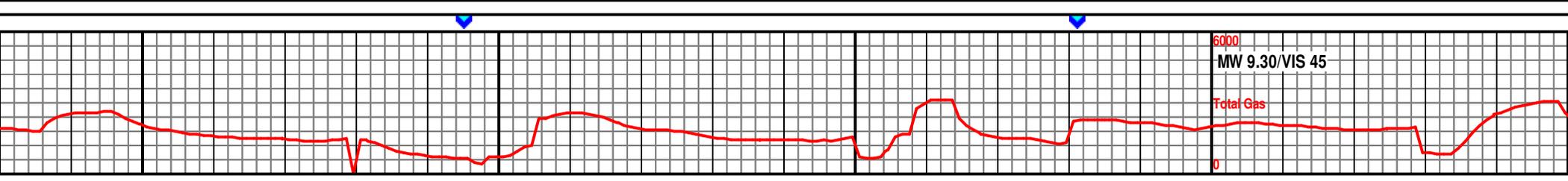
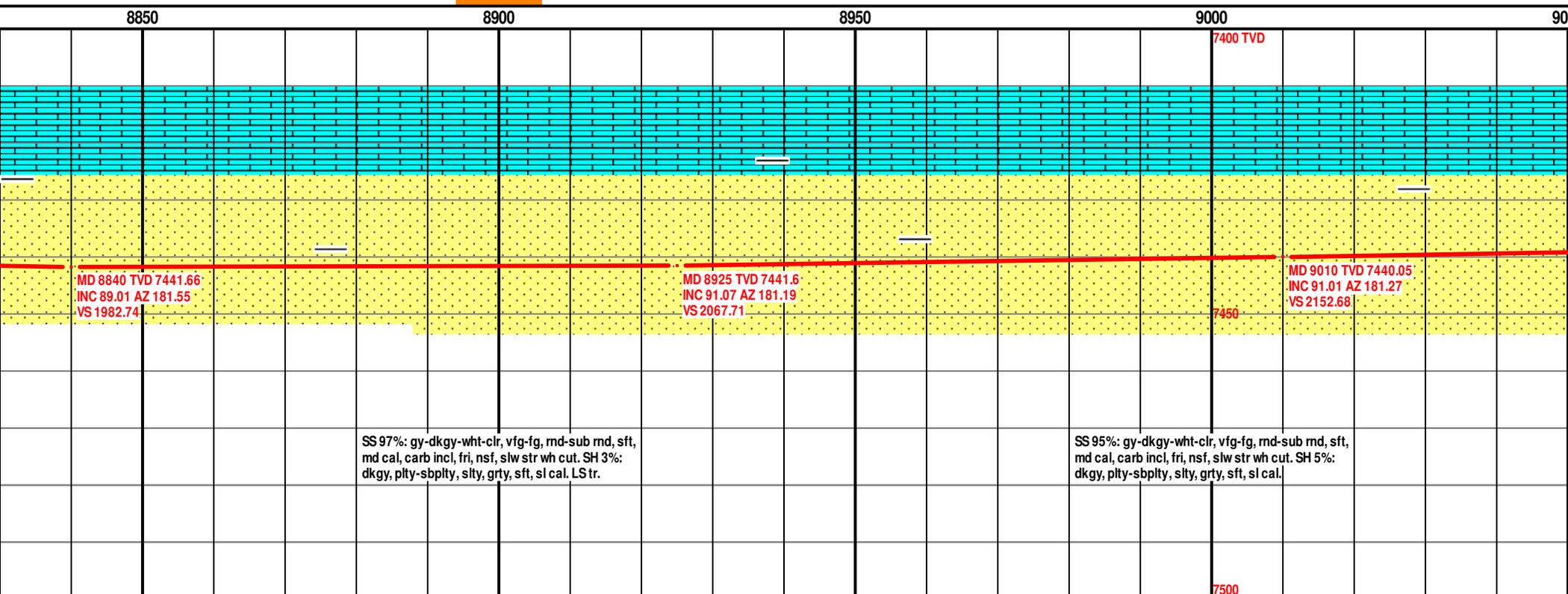
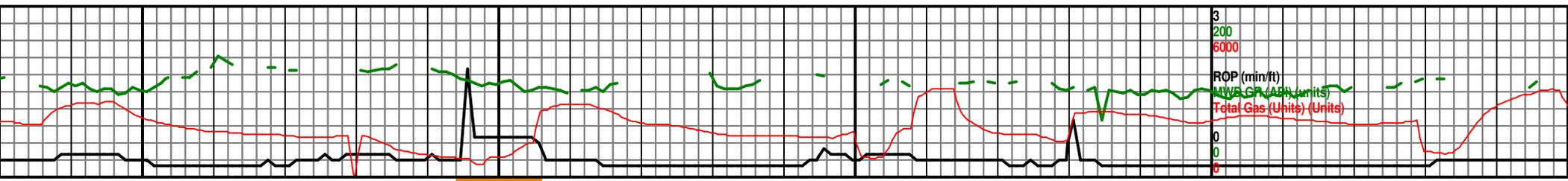
Total Gas

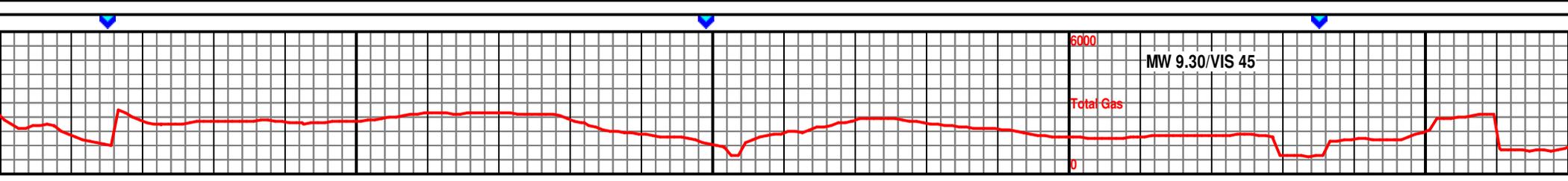
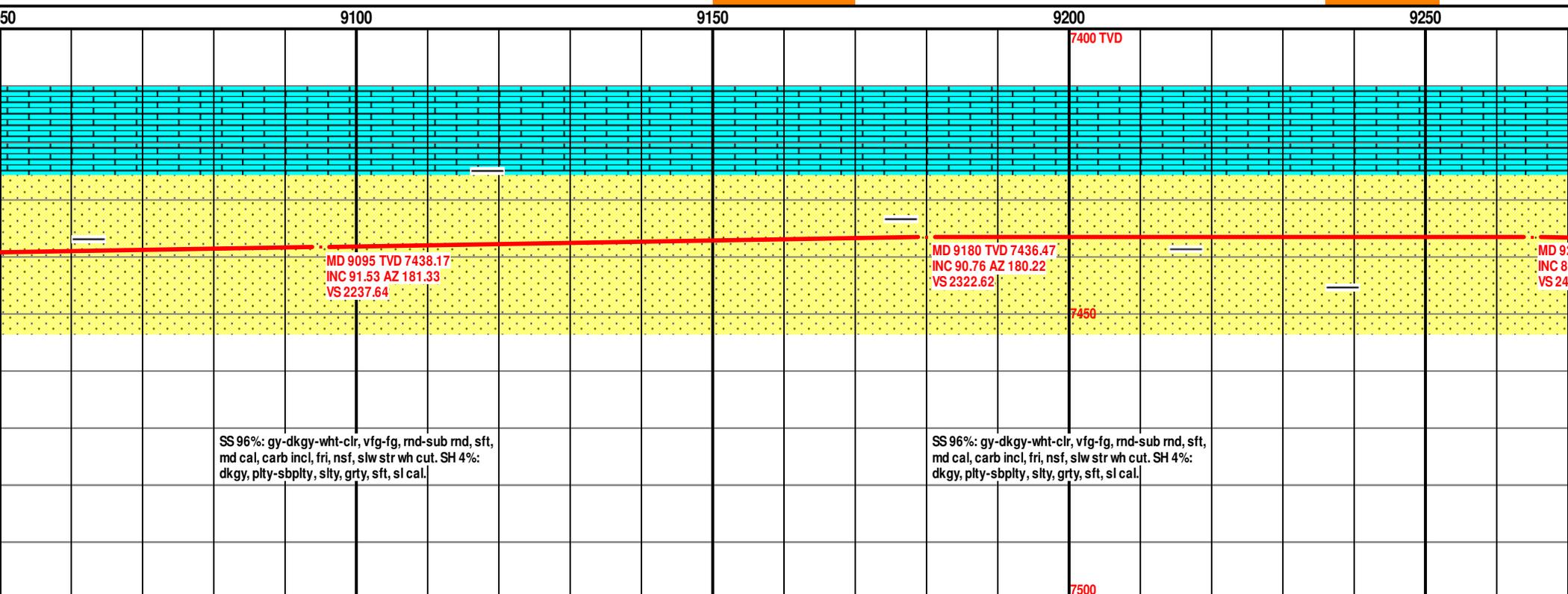
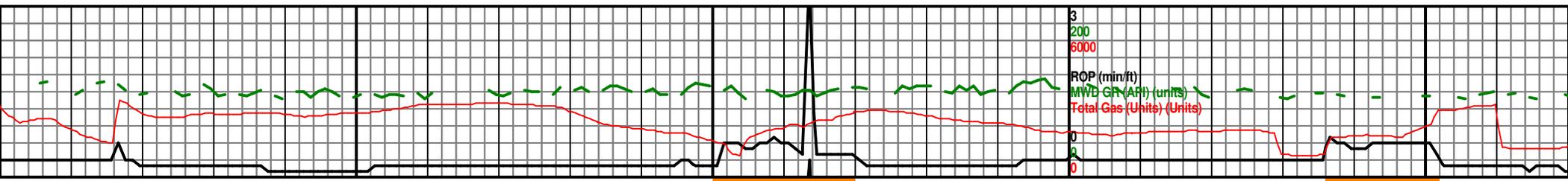
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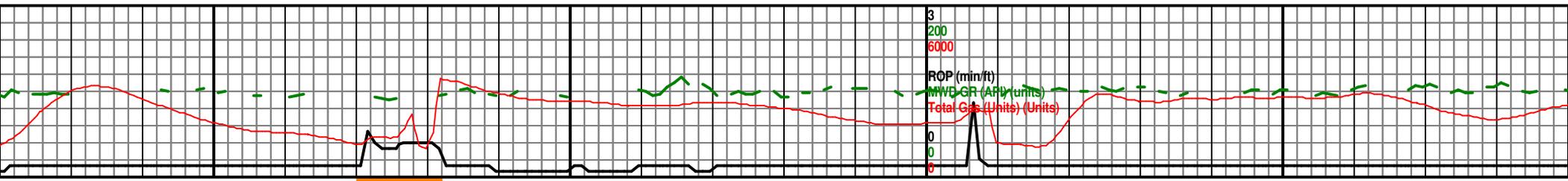










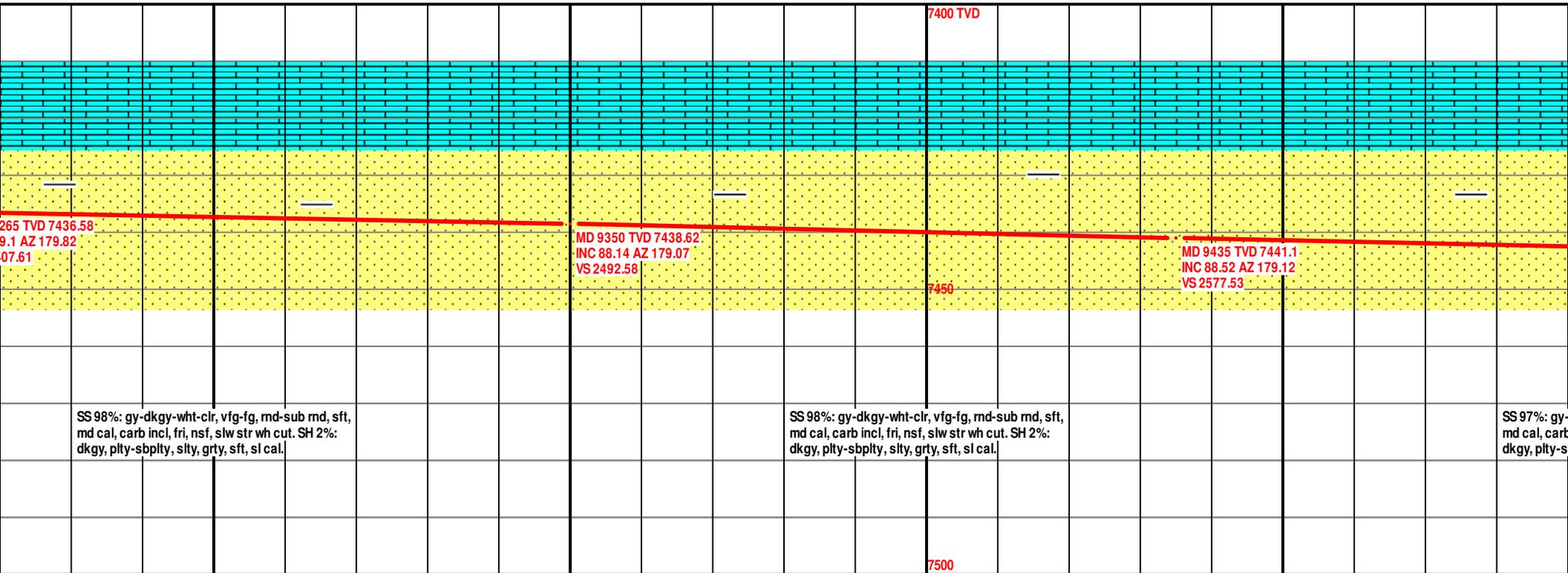


9300

9350

9400

9450



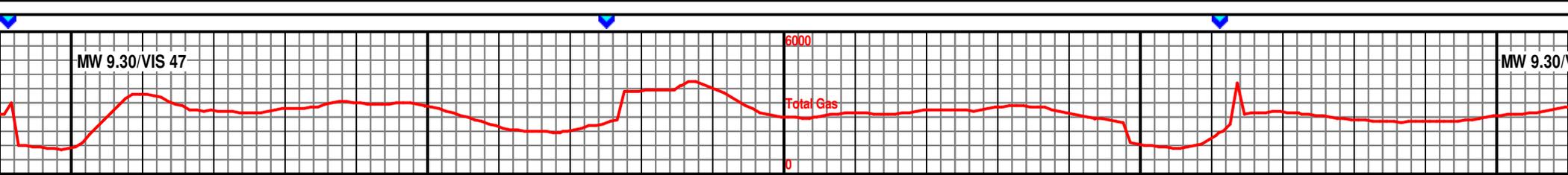
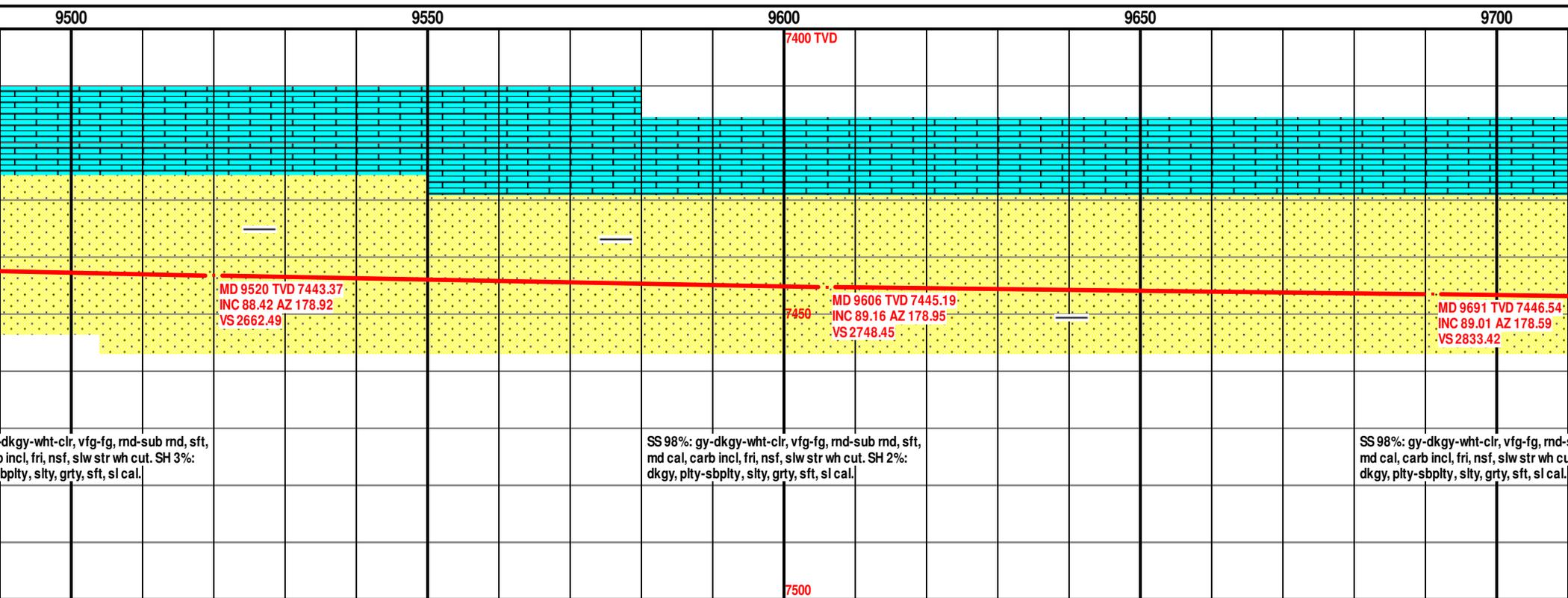
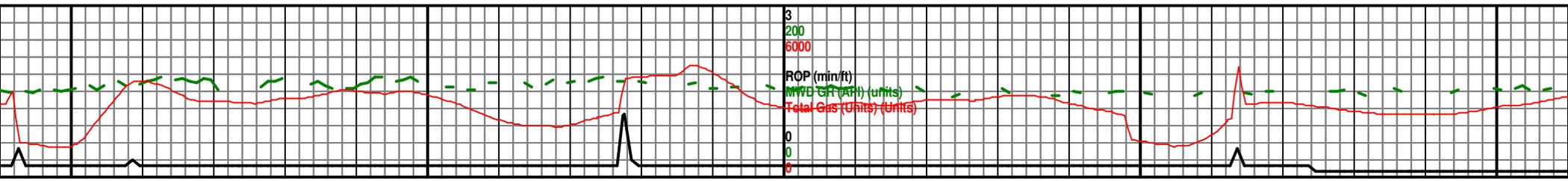
SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.

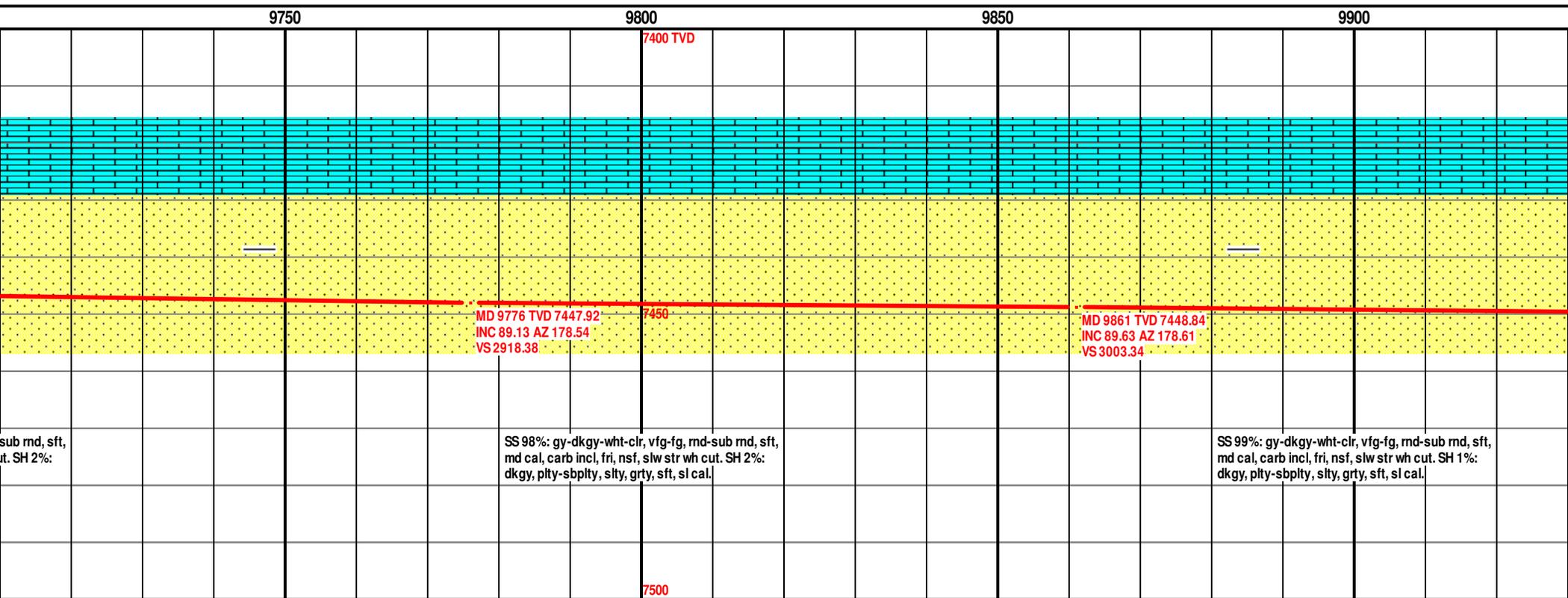
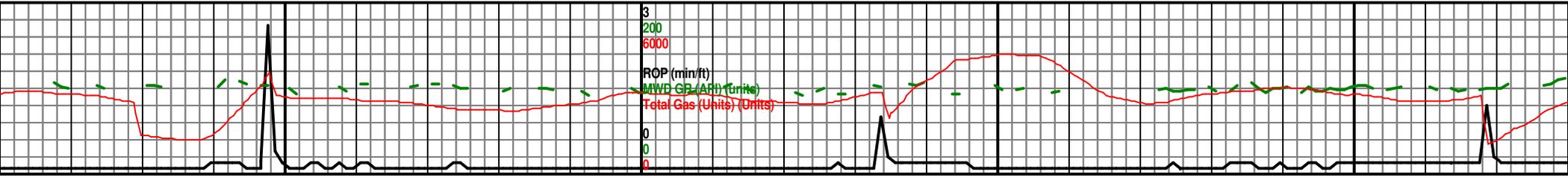
SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, slty, grty, sft, sl cal.



MW 9.50/VIS 47

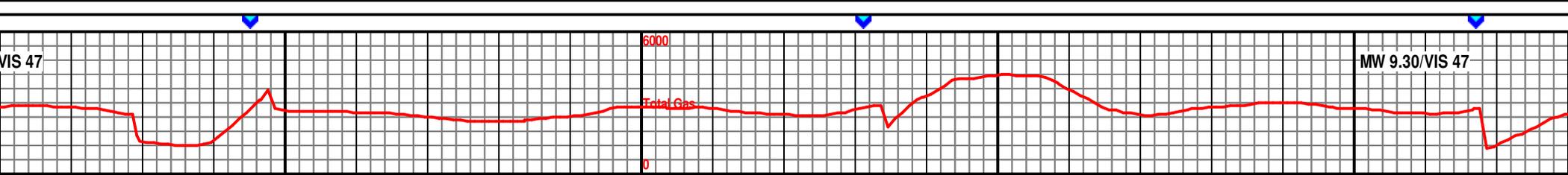
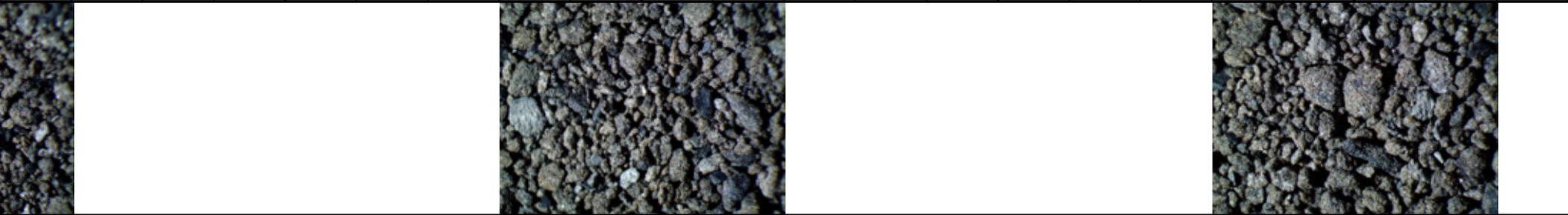




sub md, sft,
ut. SH 2%:

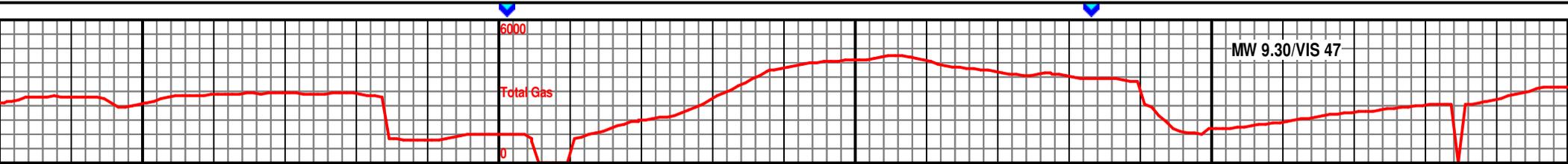
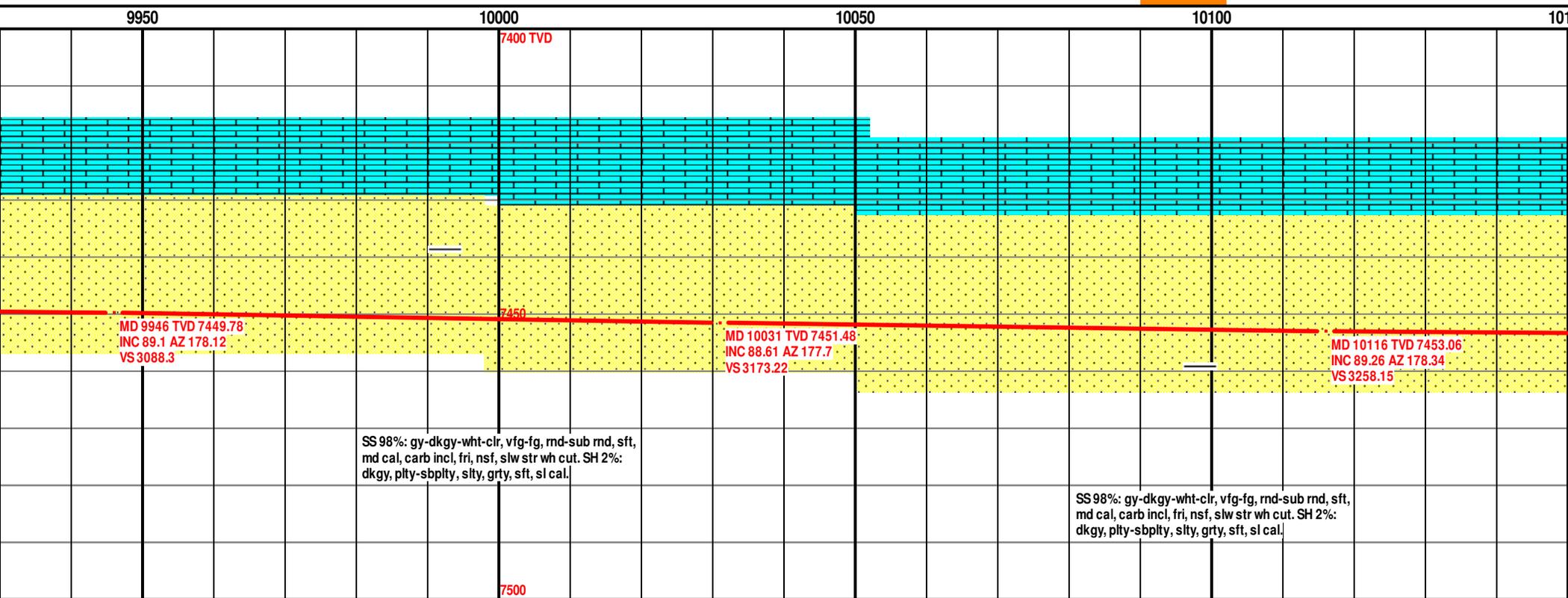
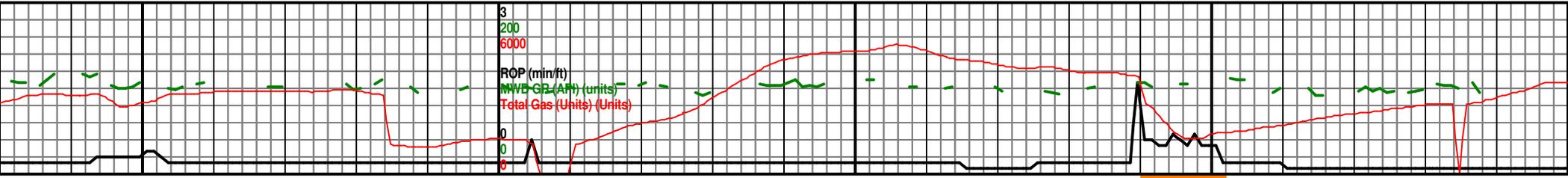
SS 98: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 2%:
dkgy, pty-sbply, slty, grty, sft, sl cal.

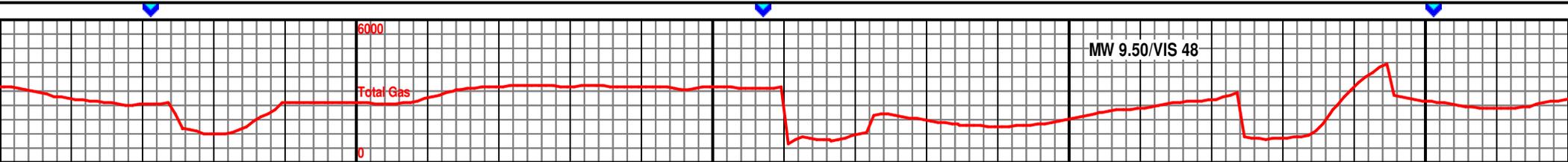
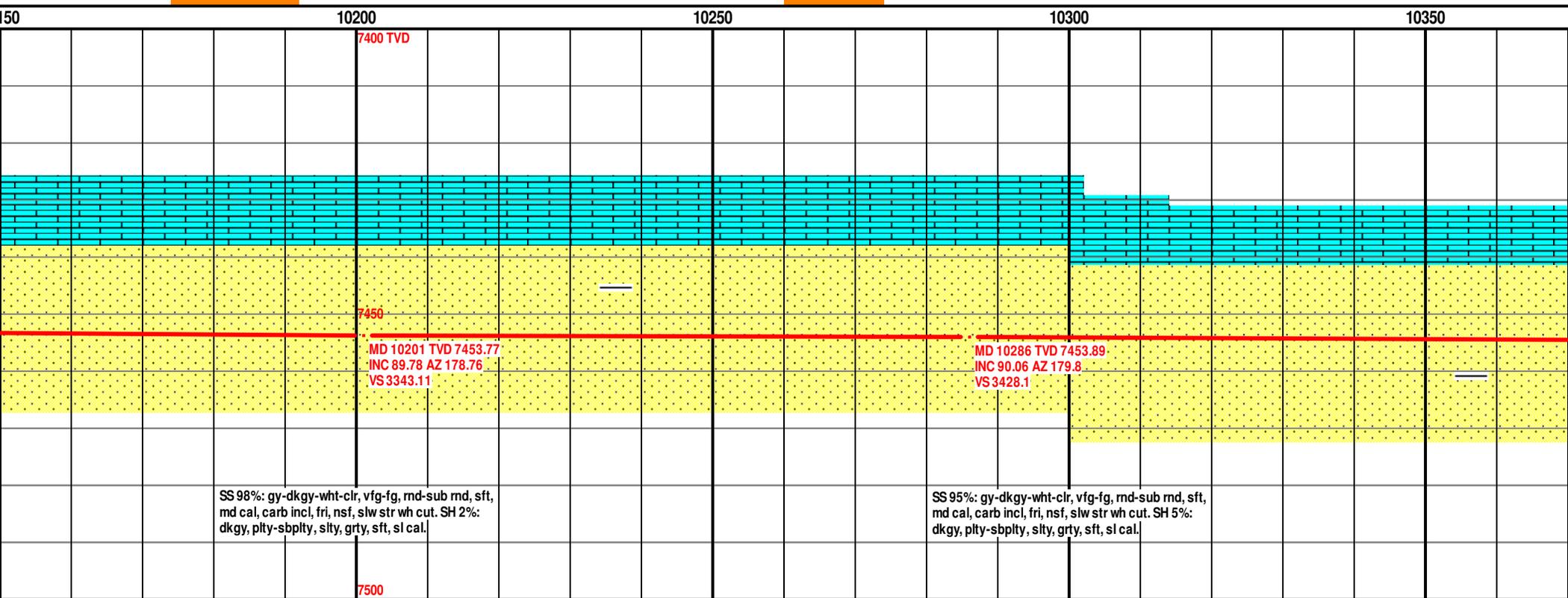
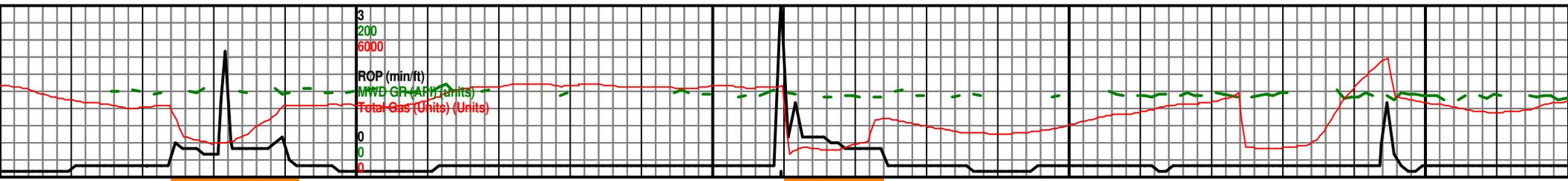
SS 99: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 1%:
dkgy, pty-sbply, slty, grty, sft, sl cal.

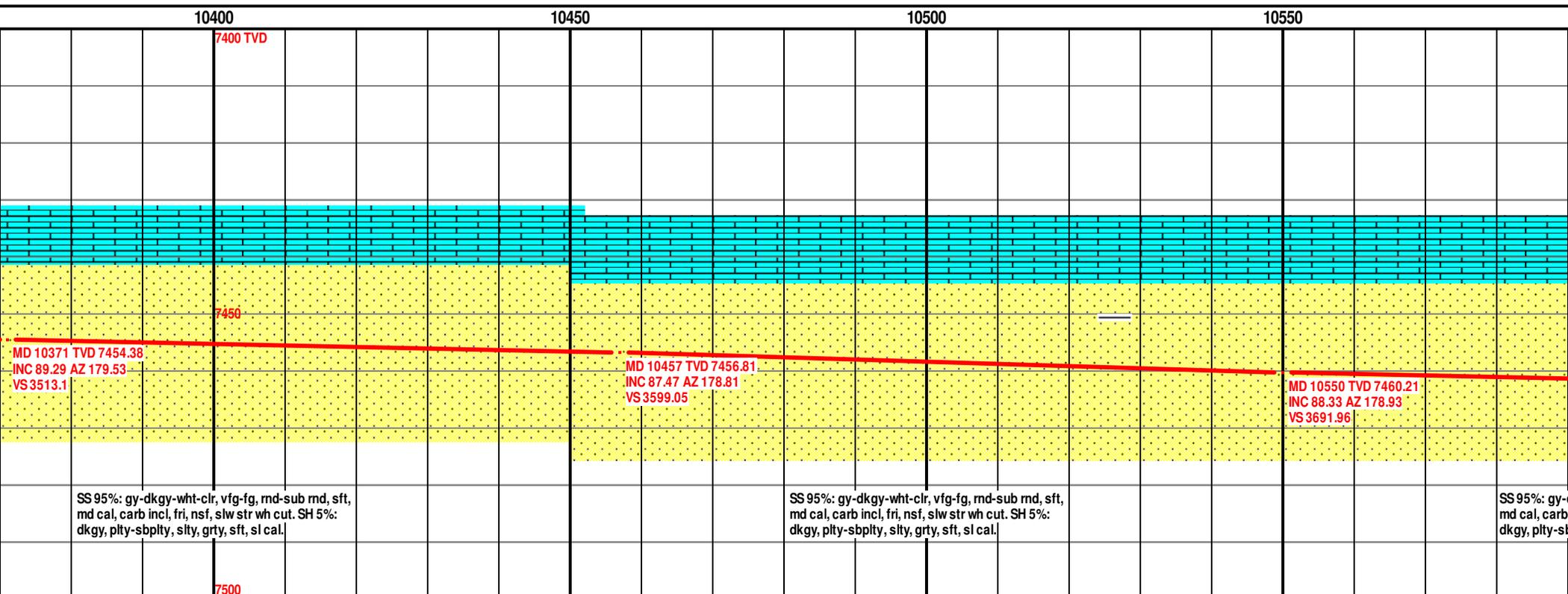
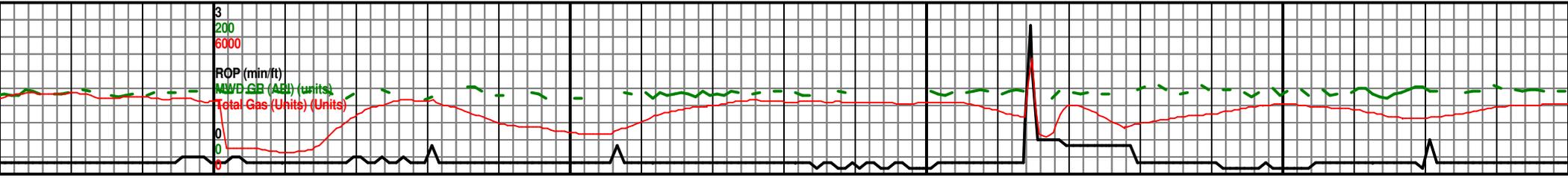


VIS 47

MW 9.30/VIS 47



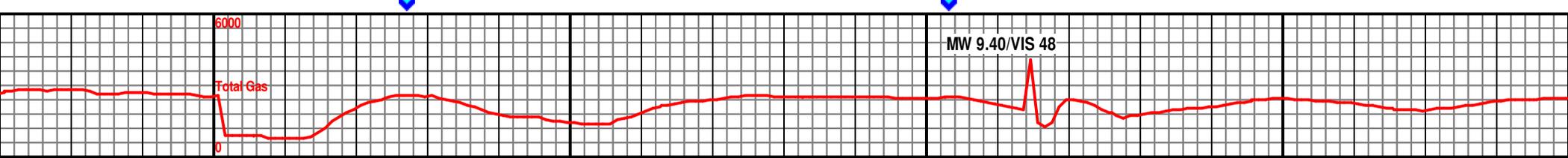


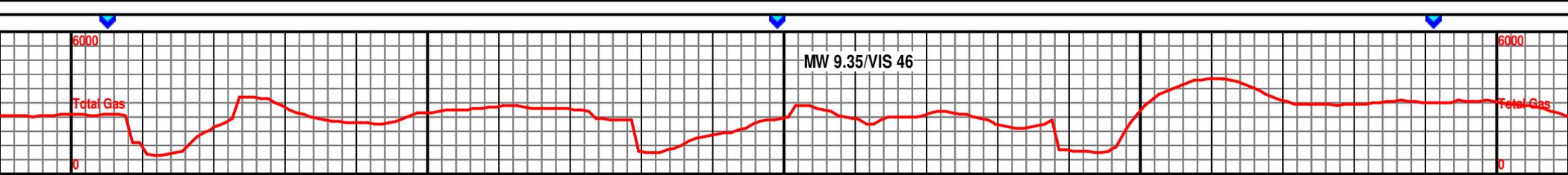
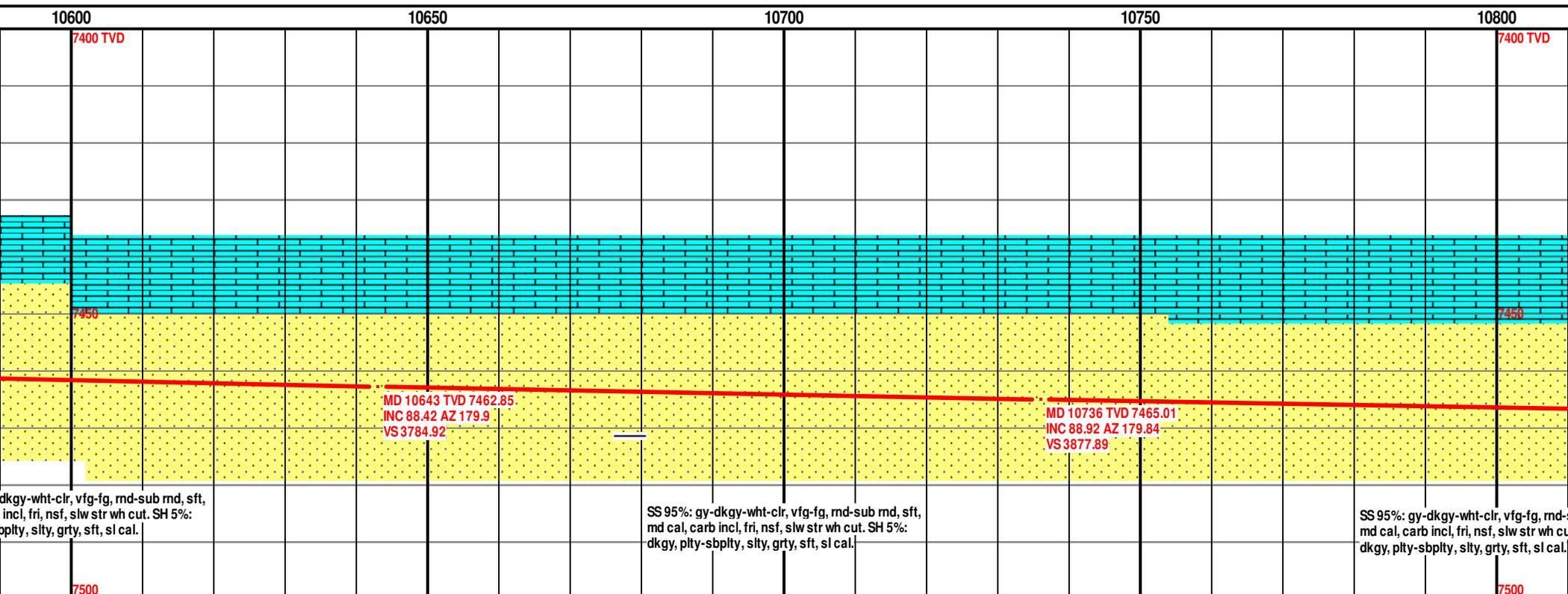
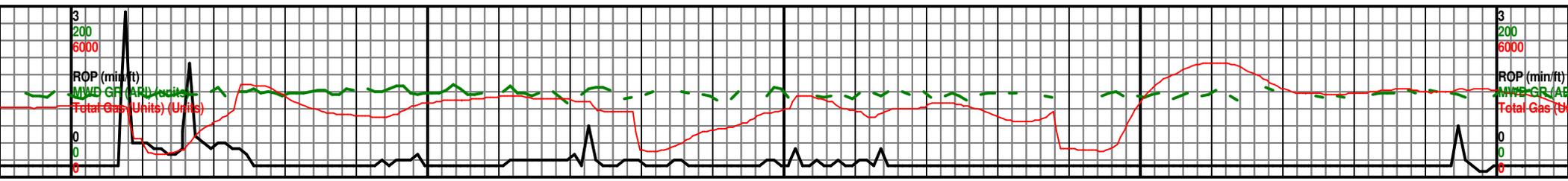


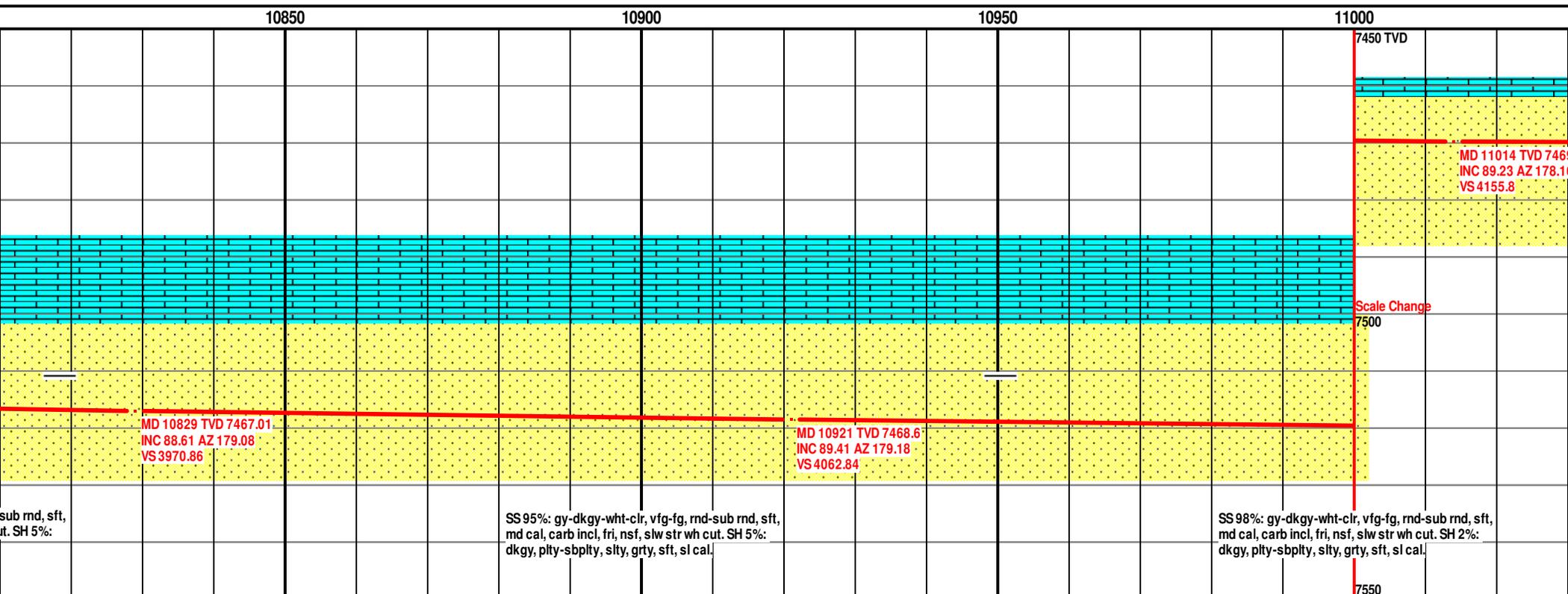
SS 95%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, sity, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, sity, grty, sft, sl cal.

SS 95%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbplty, sity, grty, sft, sl cal.



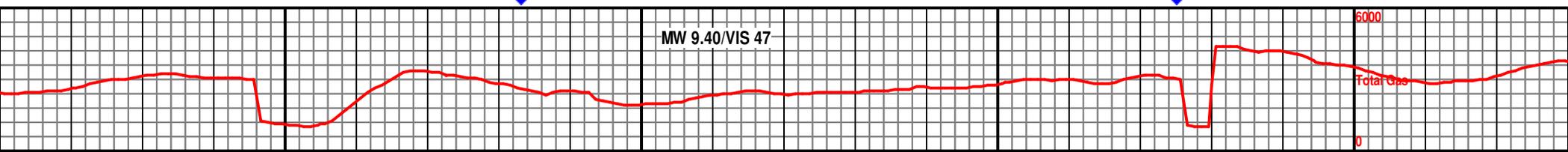


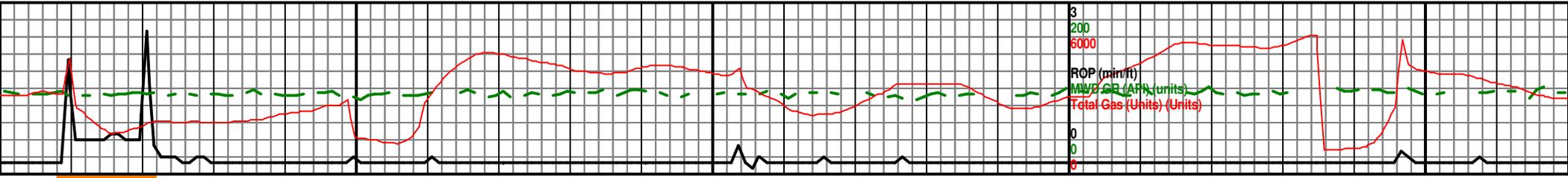


sub rnd, sft,
cut. SH 5%:

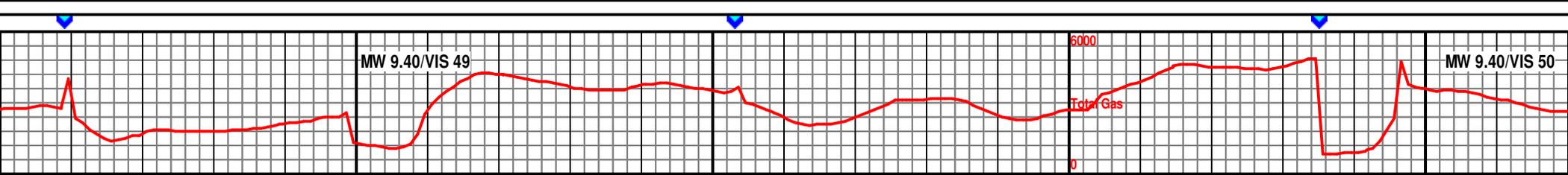
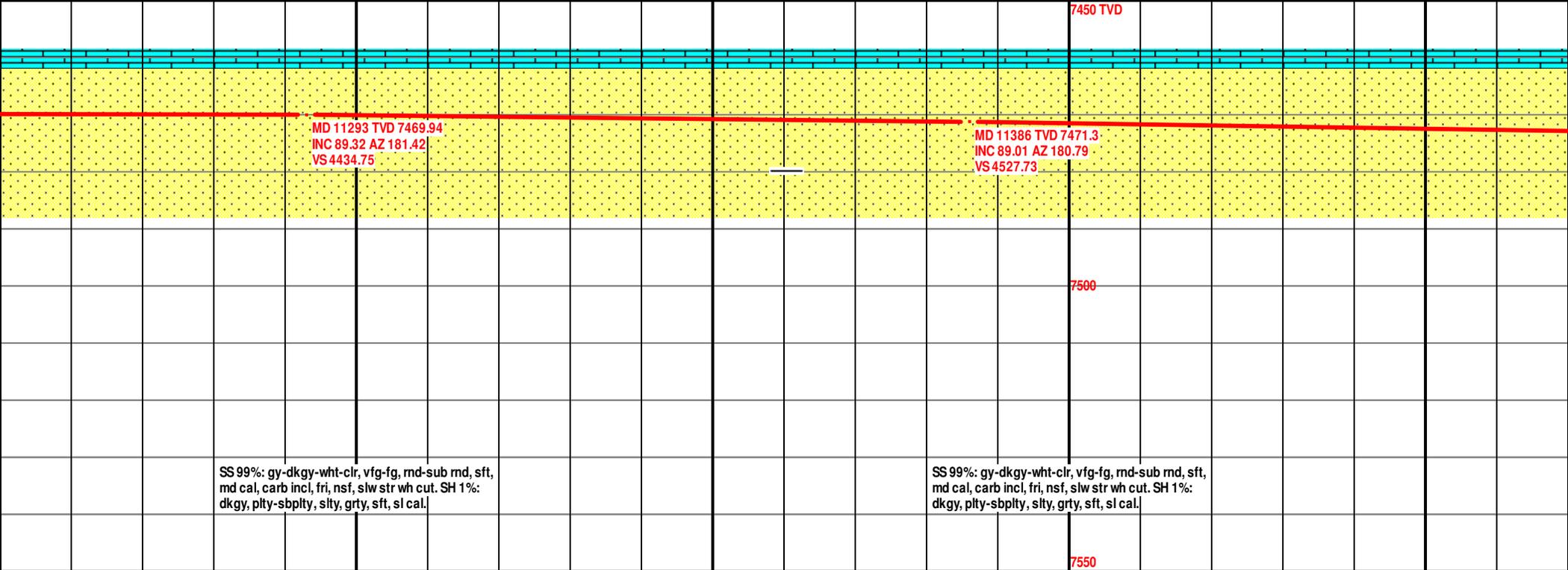
SS 95%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 5%:
dkgy, plty-sbply, sity, grty, sft, sl cal.

SS 98%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, fri, nsf, slw str wh cut. SH 2%:
dkgy, plty-sbply, sity, grty, sft, sl cal.





250 11300 11350 11400 11450





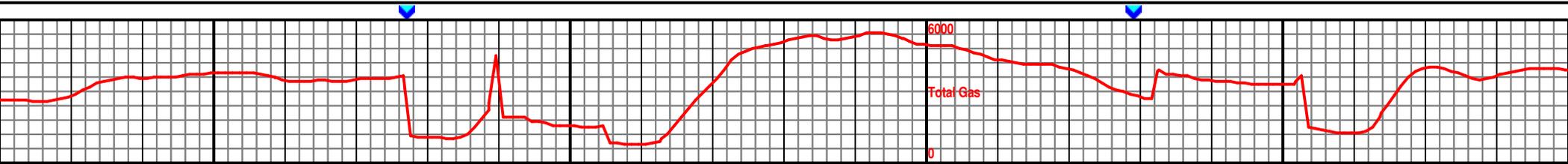
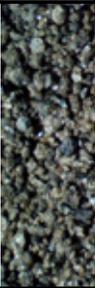
11500

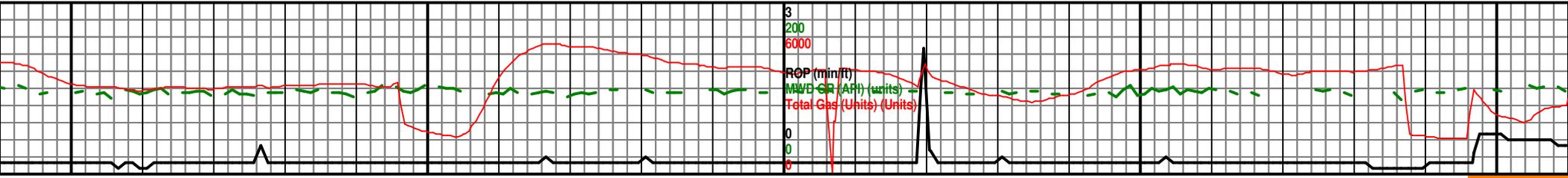
11550

11600

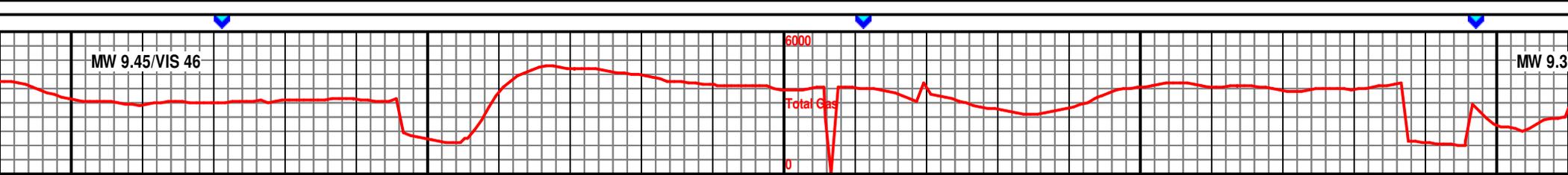
11650

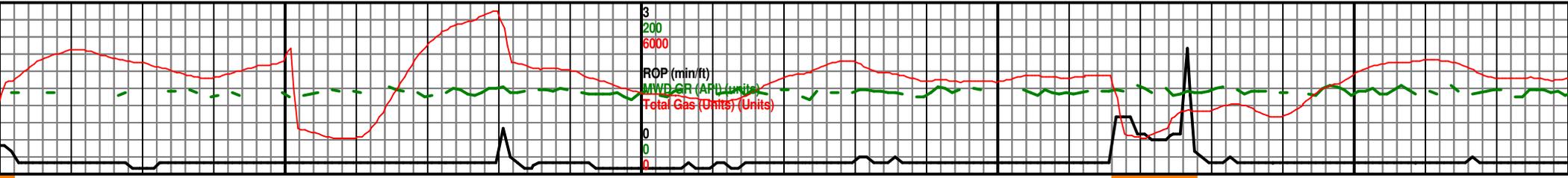
										7450 TVD																			
										7500																			
<p>MD 11479 TVD 7472.98 INC 88.92 AZ 180.57 VS 4620.71</p>										<p>MD 11573 TVD 7474.55 INC 89.16 AZ 180.29 VS 4714.69</p>										<p>MD 11666 TVD 7475.84 INC 89.26 AZ 180.27 VS 4807.68</p>									
<p>SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, plty-sbplty, sity, grty, sft, sl cal.</p>										<p>SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, plty-sbplty, sity, grty, sft, sl cal.</p>										<p>SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, plty-sbplty, sity, grty, sft, sl cal.</p>									
										7550																			



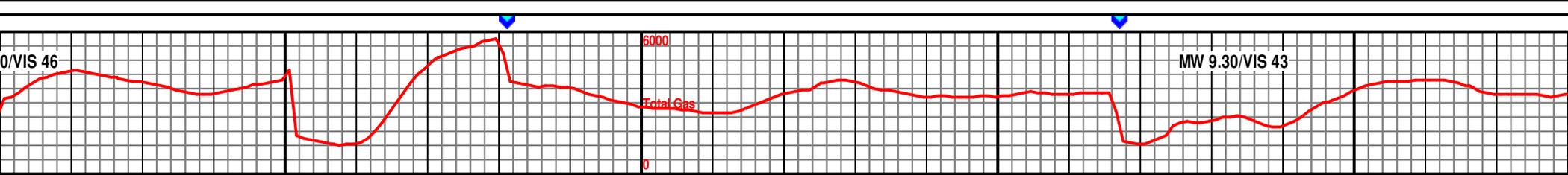
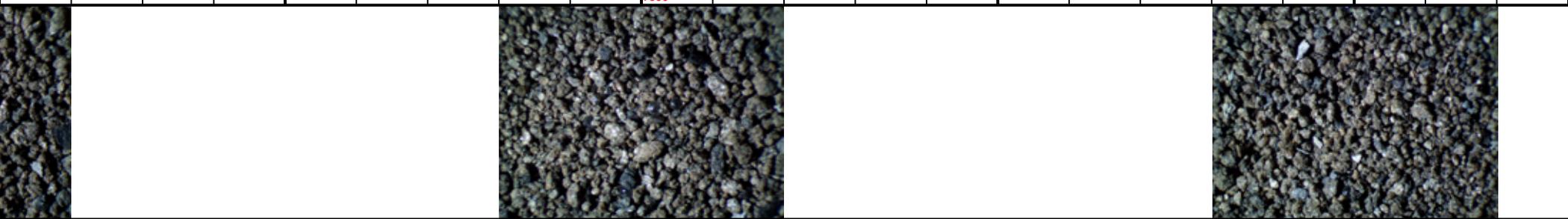


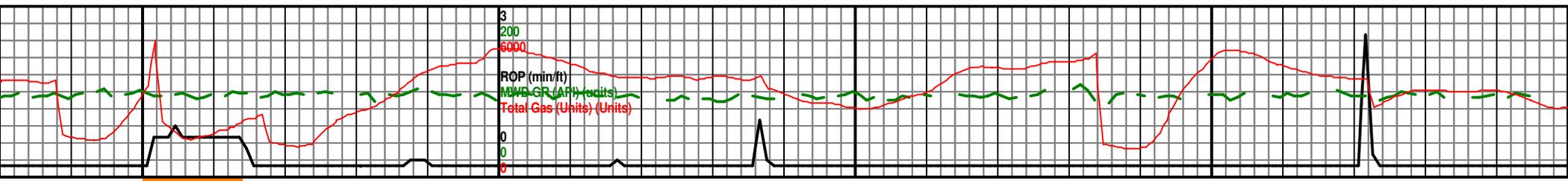
11700	11750	11800	11850	11900
4:00AM 1/18/2015 Depth @ 11726' MD				
		7450 TVD		
		MD 11756 TVD 7476.52 INC 89.87 AZ 179.83 VS 4897.68	MD 11841 TVD 7476.9 INC 89.62 AZ 179.34 VS 4982.68	
		7500		
dkgy-wht-clr, vfg-fg, md-sub md, sft, incl, fri, nsf, slw str wh cut. SH 1%: bplty, sity, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, plty-sbplty, sity, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md cal, carb incl, fri, nsf, slw str wh cut. dkgy, plty-sbplty, sity, grty, sft, sl cal.
		7550		





11950	12000	12050	12100
	7450 TVD		
MD 11926 TVD 7477.23 INC 89.93 AZ 179.96 VS 5067.67		MD 12011 TVD 7477.4 INC 89.84 AZ 179.6 VS 5152.67	MD 12096 TVD 7477.52 INC 90 AZ 180.35 VS 5237.67
	7500		
sub md, sft, cut. SH 1%:	SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbply, sity, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbply, sity, grty, sft, sl cal. LS tr.
	7550		





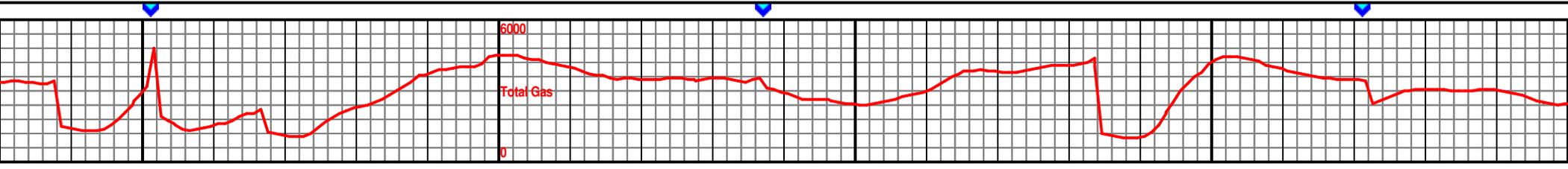
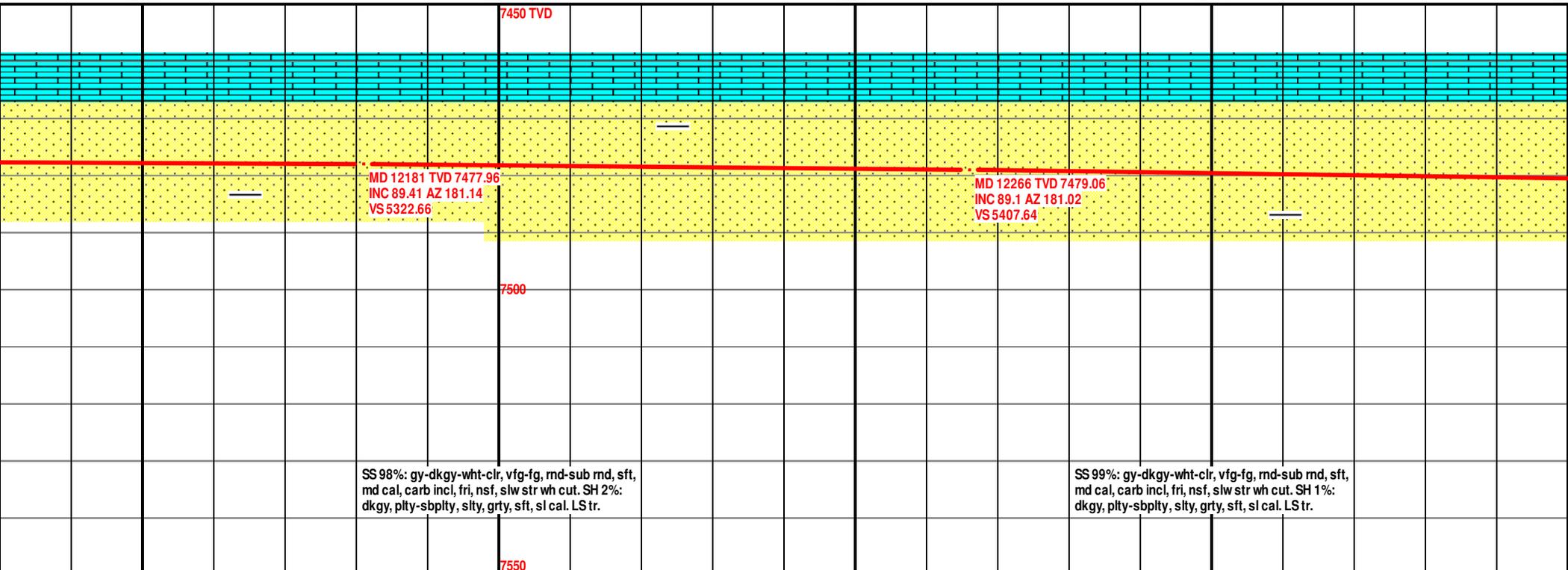
12150

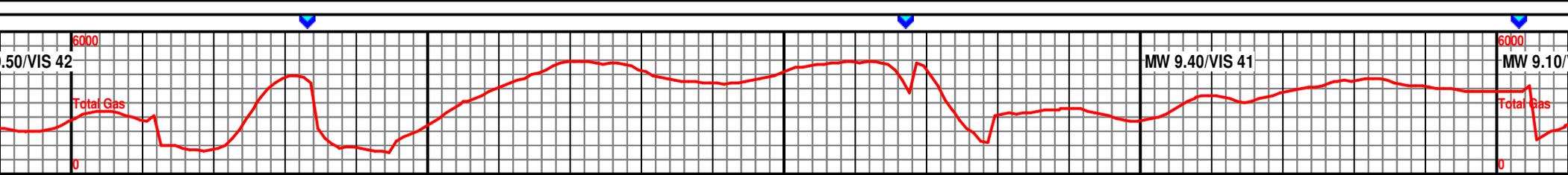
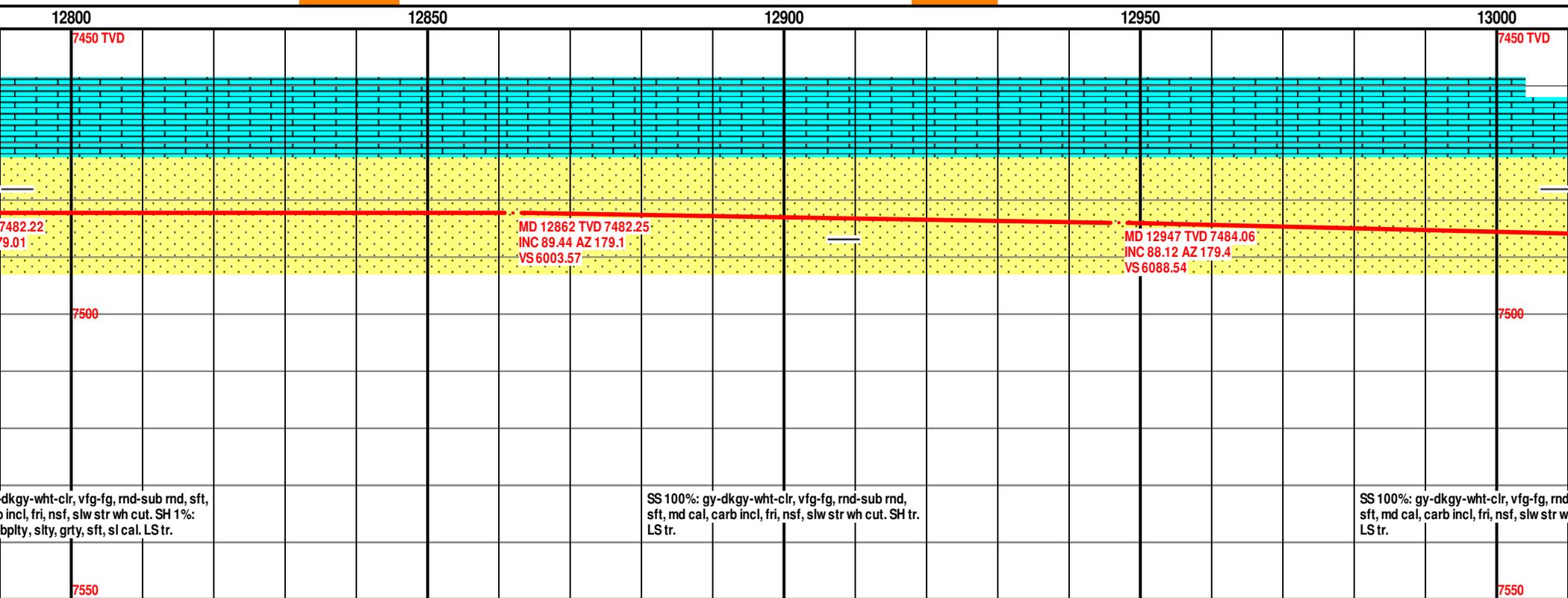
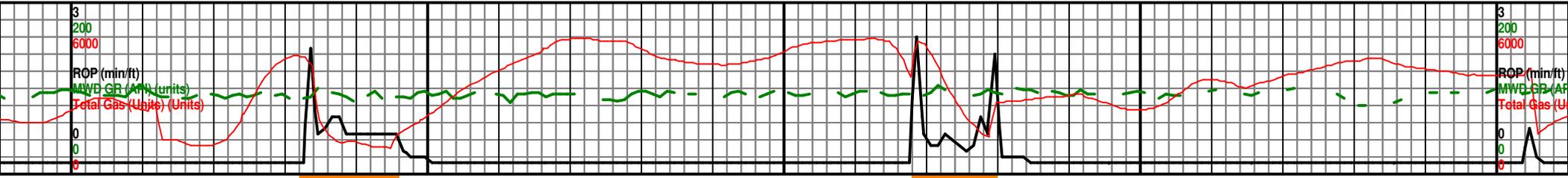
12200

12250

12300

12350







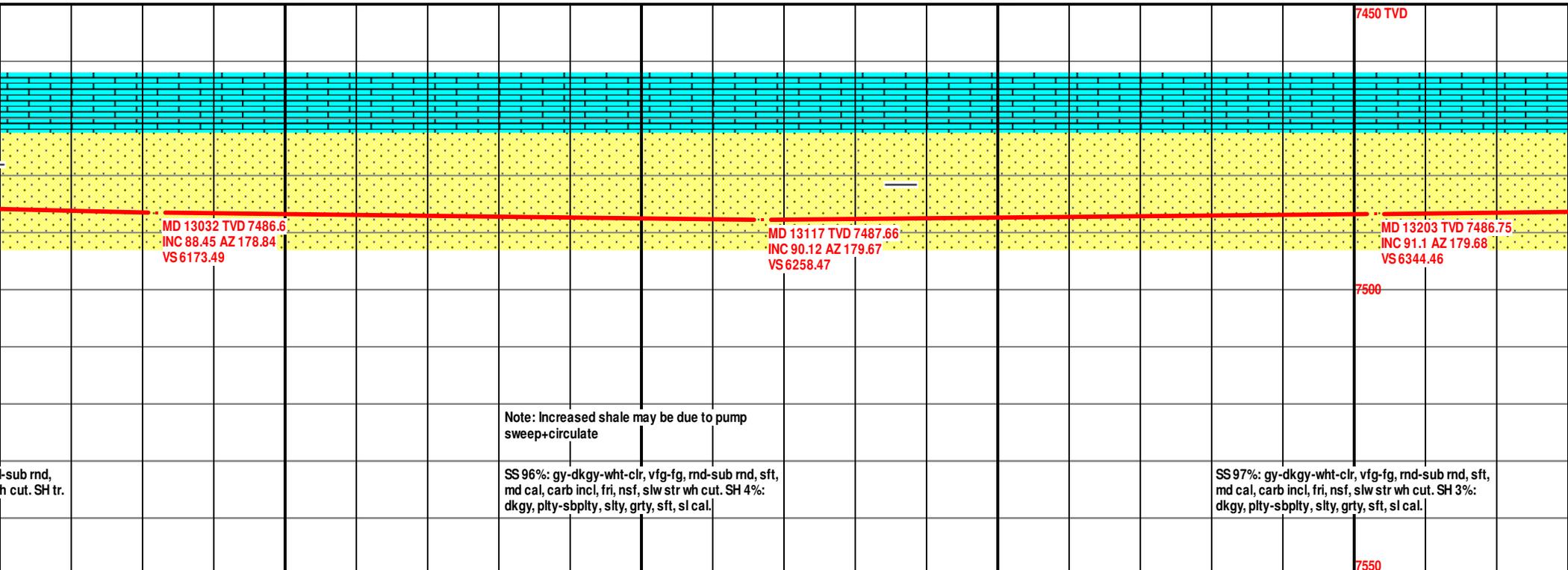
13050

13100

13150

13200

3
200
6000
ROP (min/ft)
MWD GR (API) (units)
Total Gas (Units) (Units)
0
0
0



MD 13032 TVD 7486.6
INC 88.45 AZ 178.84
VS 6173.49

MD 13117 TVD 7487.66
INC 90.12 AZ 179.67
VS 6258.47

MD 13203 TVD 7486.75
INC 91.1 AZ 179.68
VS 6344.46

7450 TVD

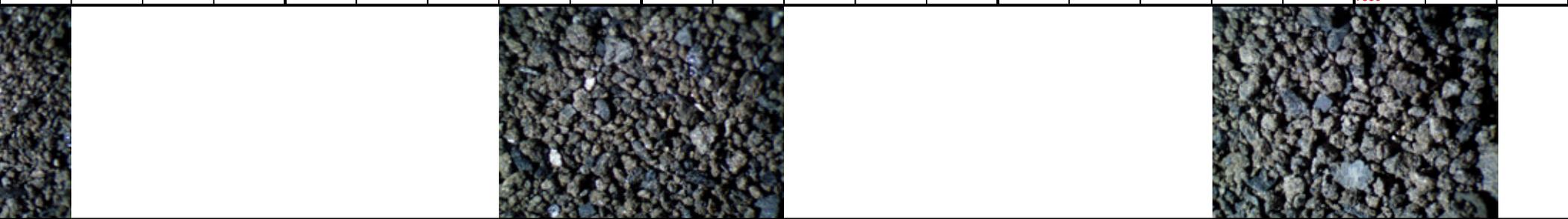
7500

Note: Increased shale may be due to pump sweep-circulate

SS 96%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 4%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

SS 97%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 3%: dkgy, plty-sbplty, slty, grty, sft, sl cal.

7550

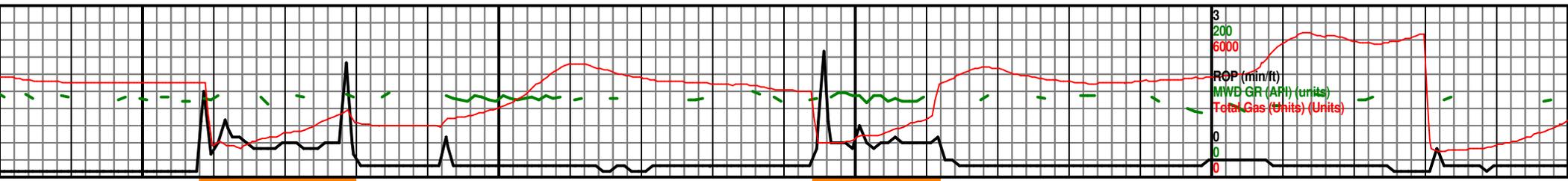


VIS 41

MW 8.80/VIS 45

MW 8.90/VIS 45

6000
Total Gas
0



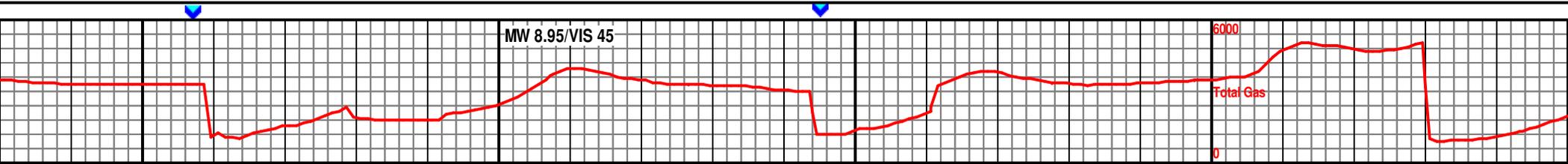
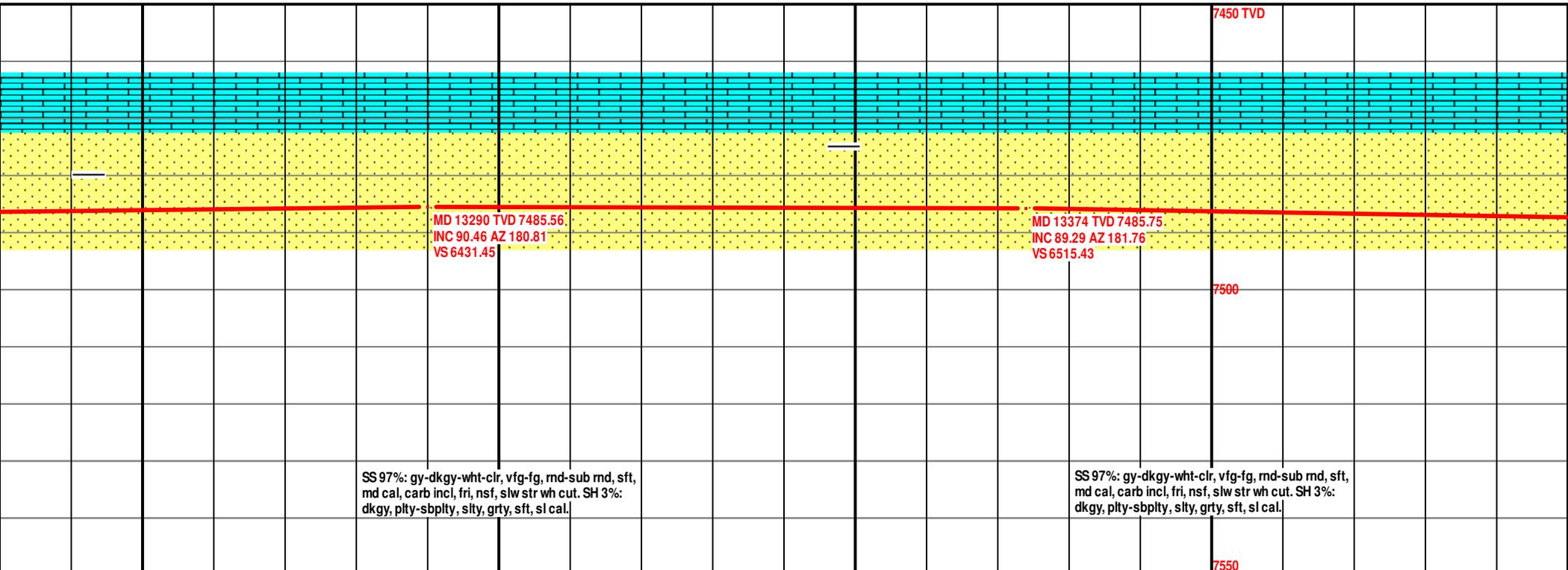
13250

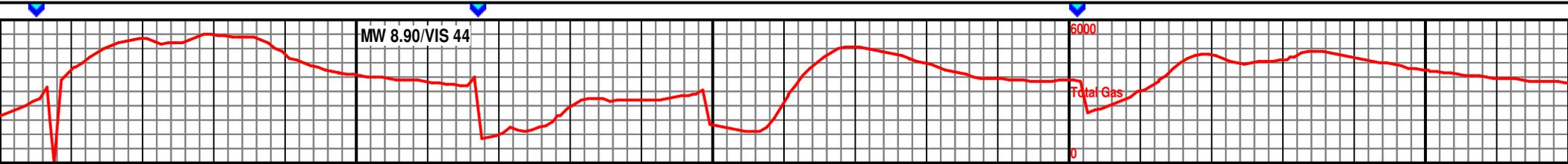
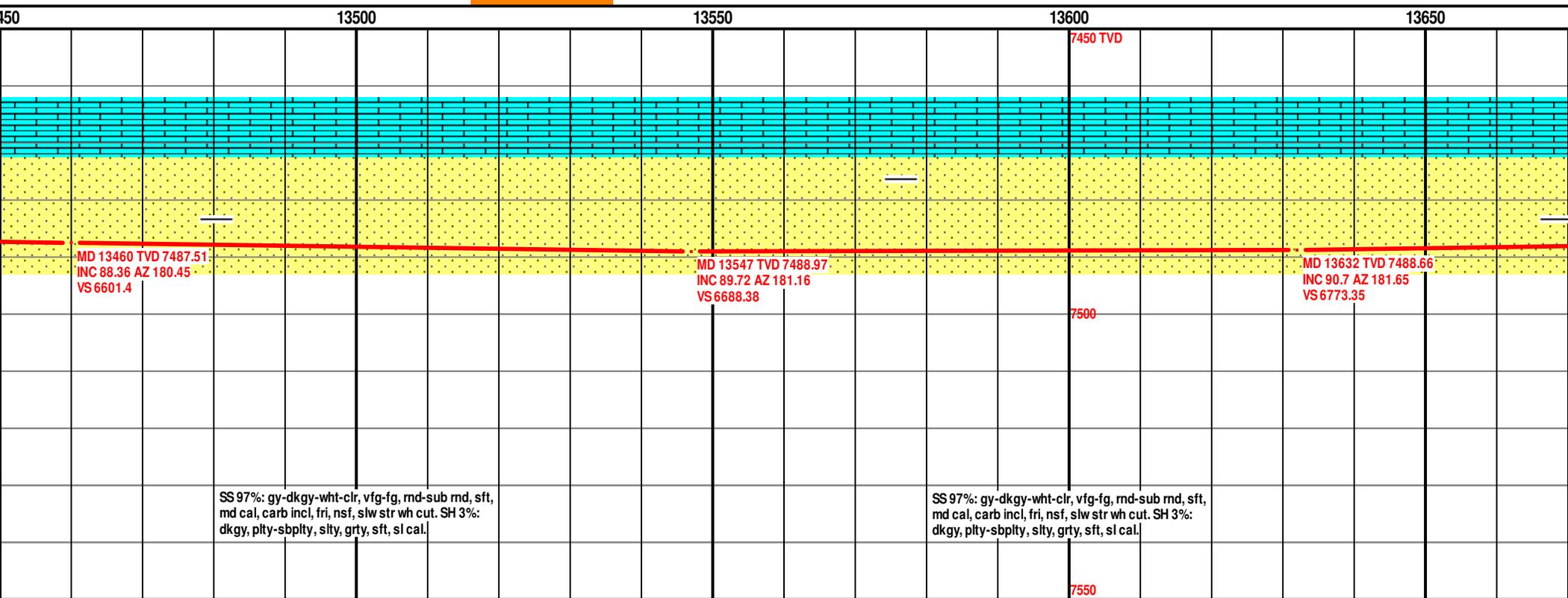
13300

13350

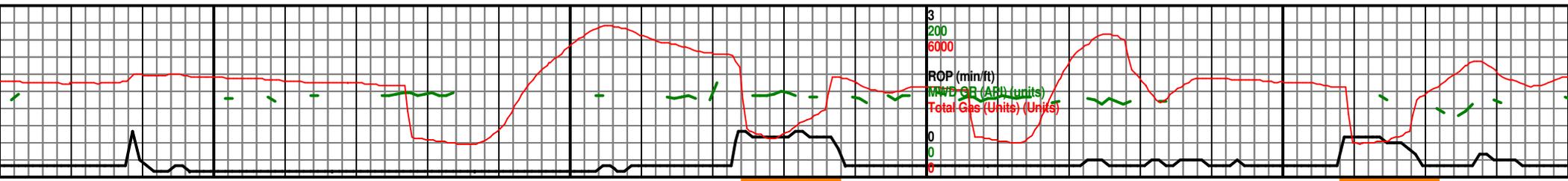
13400

13450





MW 8.90/VIS 44

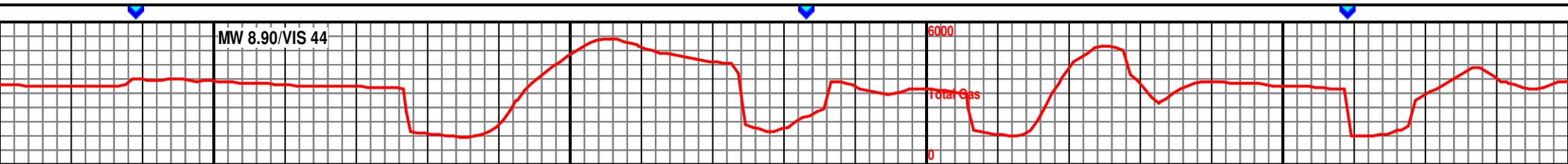
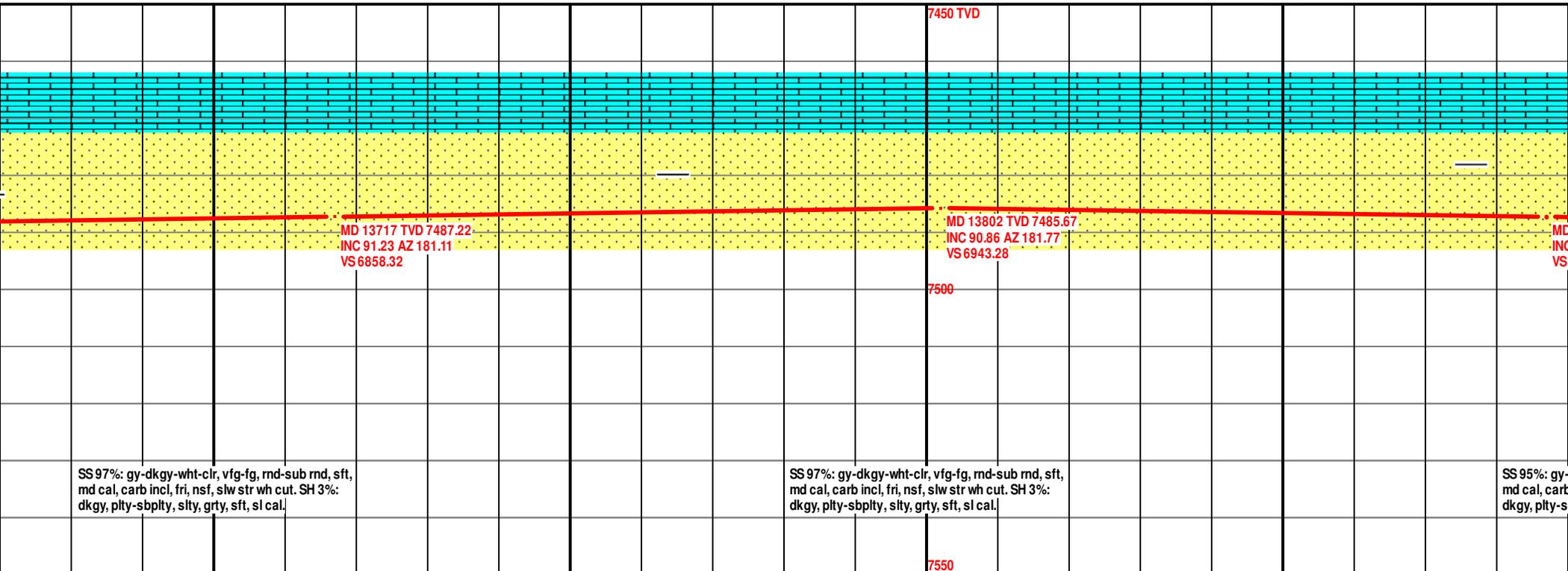


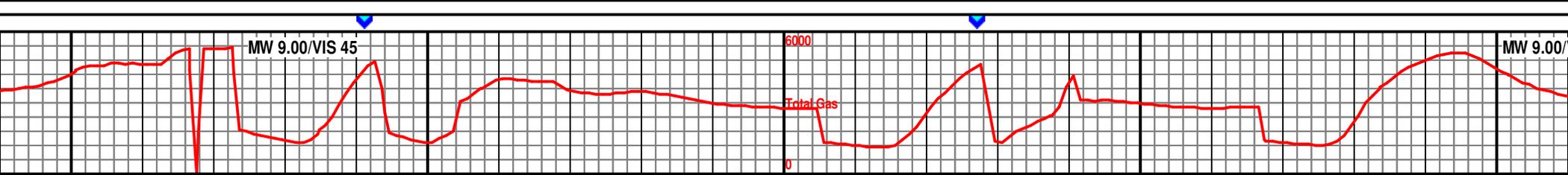
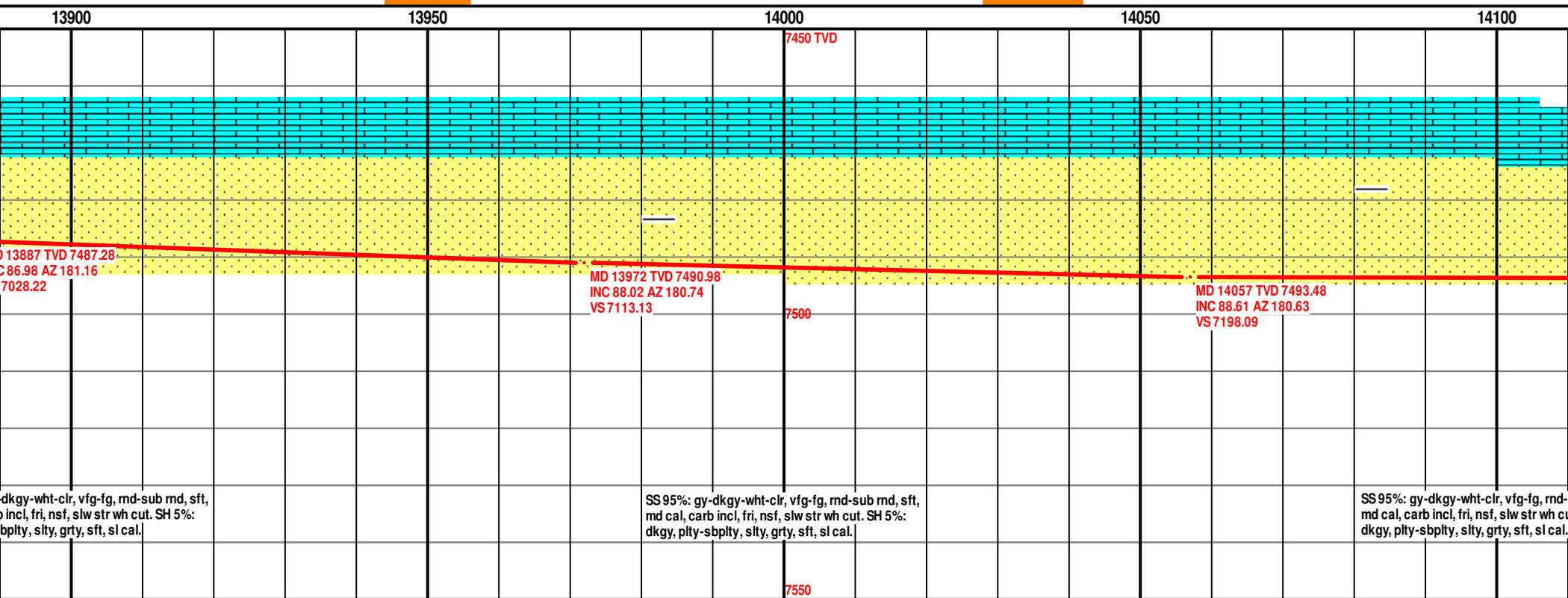
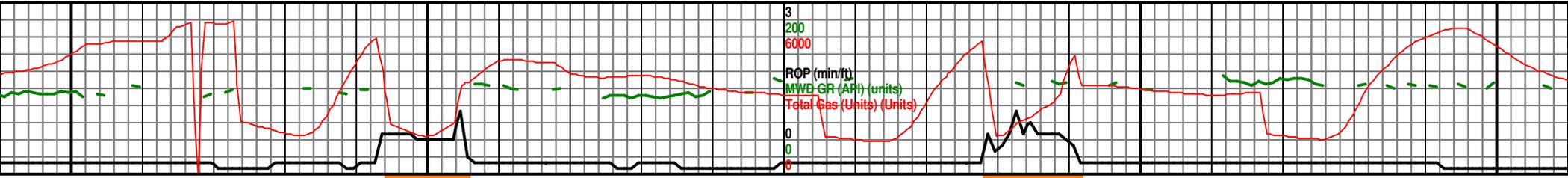
13700

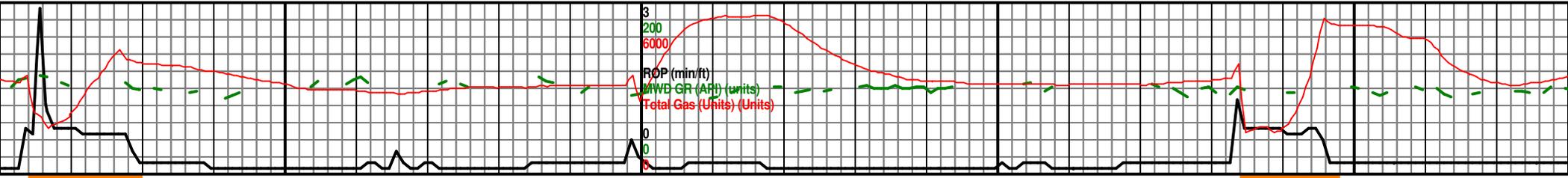
13750

13800

13850





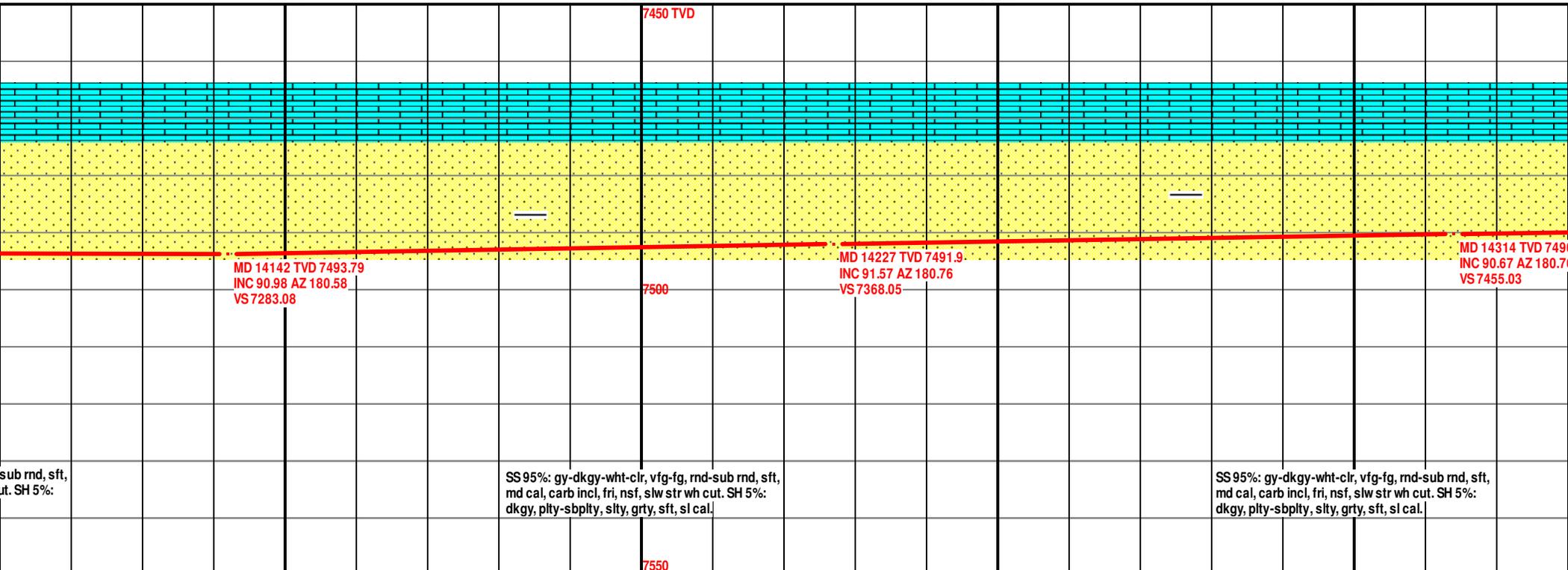


14150

14200

14250

14300



7450 TVD

7500

7550

MD 14142 TVD 7493.79
INC 90.98 AZ 180.58
VS 7283.08

MD 14227 TVD 7491.9
INC 91.57 AZ 180.76
VS 7368.05

MD 14314 TVD 7491.9
INC 90.67 AZ 180.76
VS 7455.03

sub rnd, sft, cut. SH 5%:

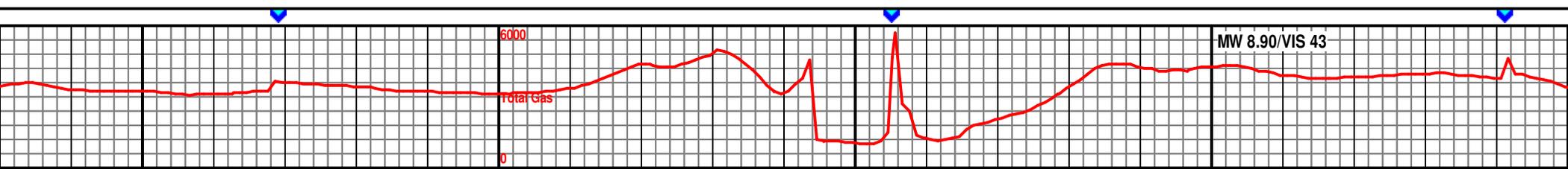
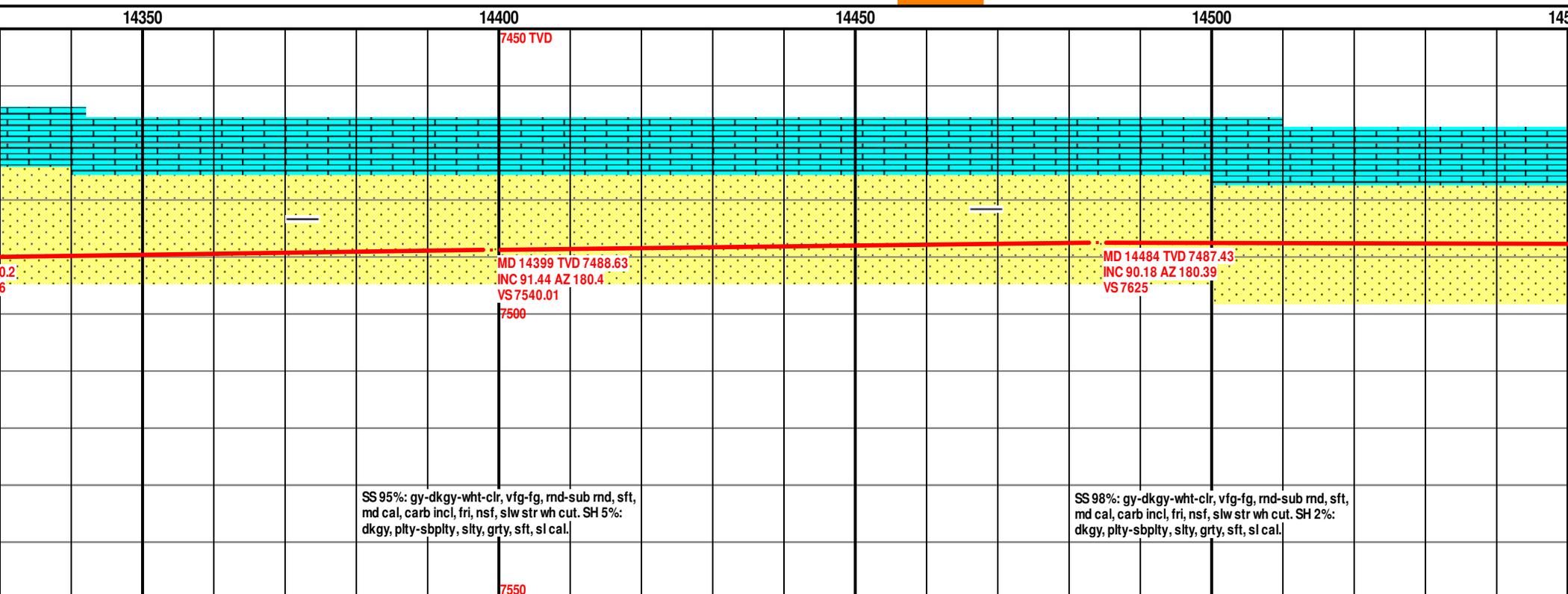
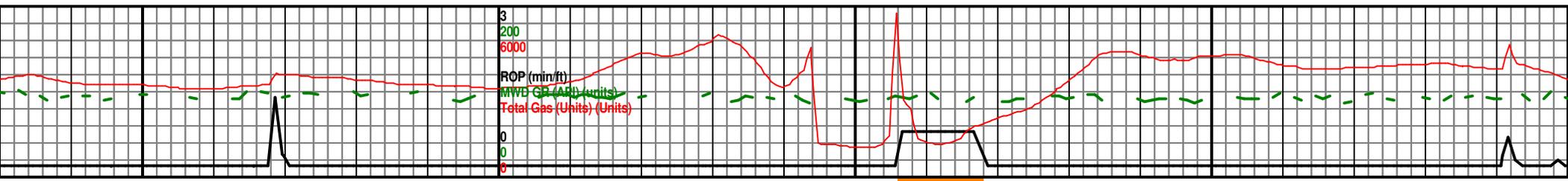
SS 95%: gy-dkgy-wht-clr, vfg-fg, rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbply, slty, grty, sft, sl cal.

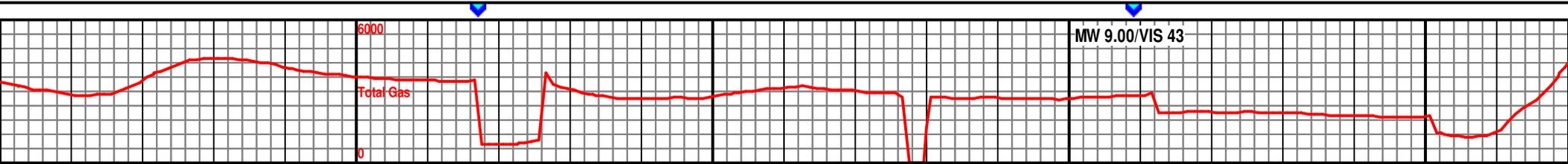
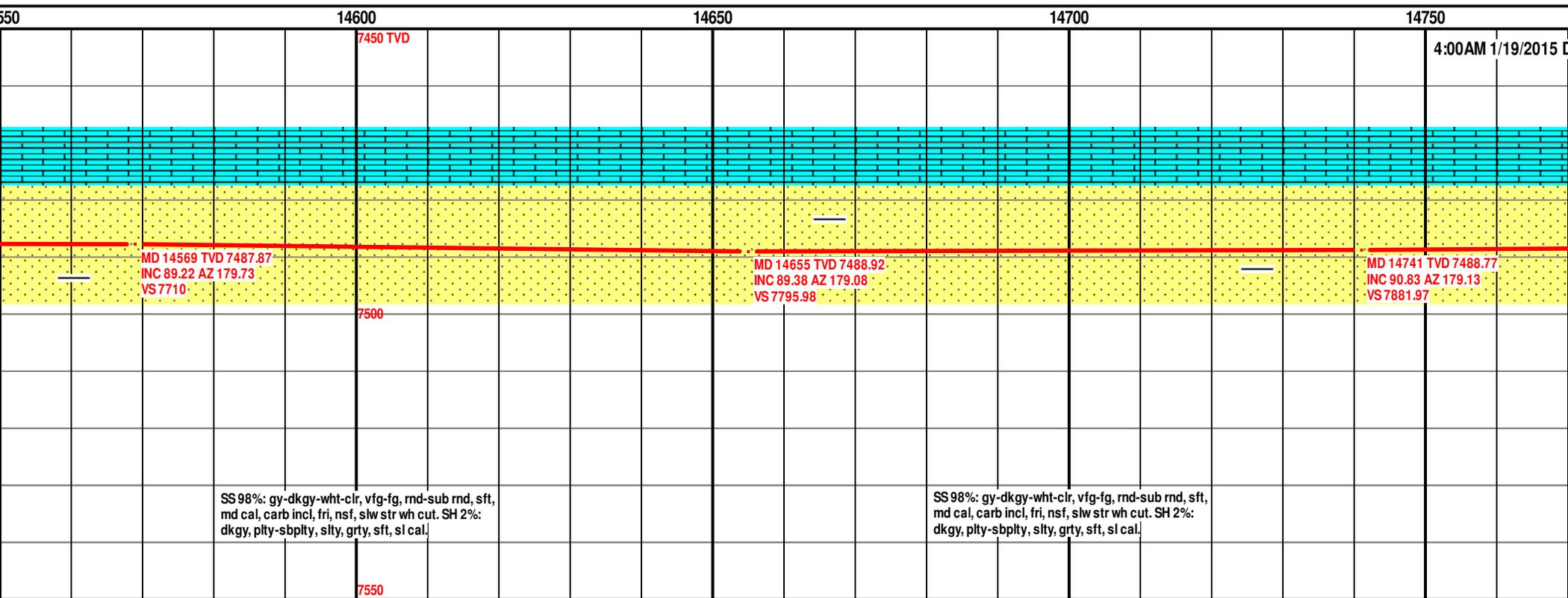
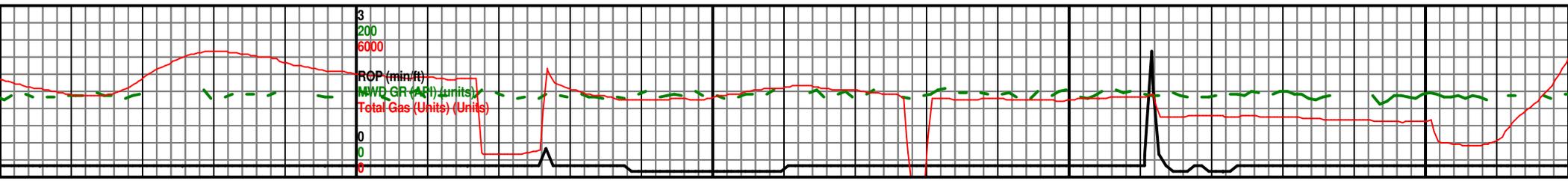
SS 95%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 5%: dkgy, plty-sbply, slty, grty, sft, sl cal.

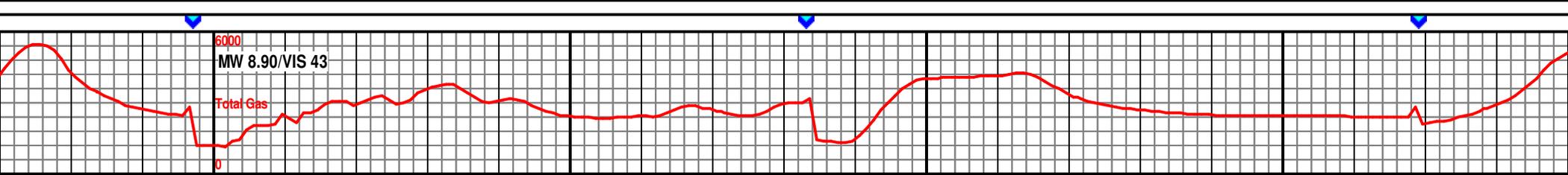
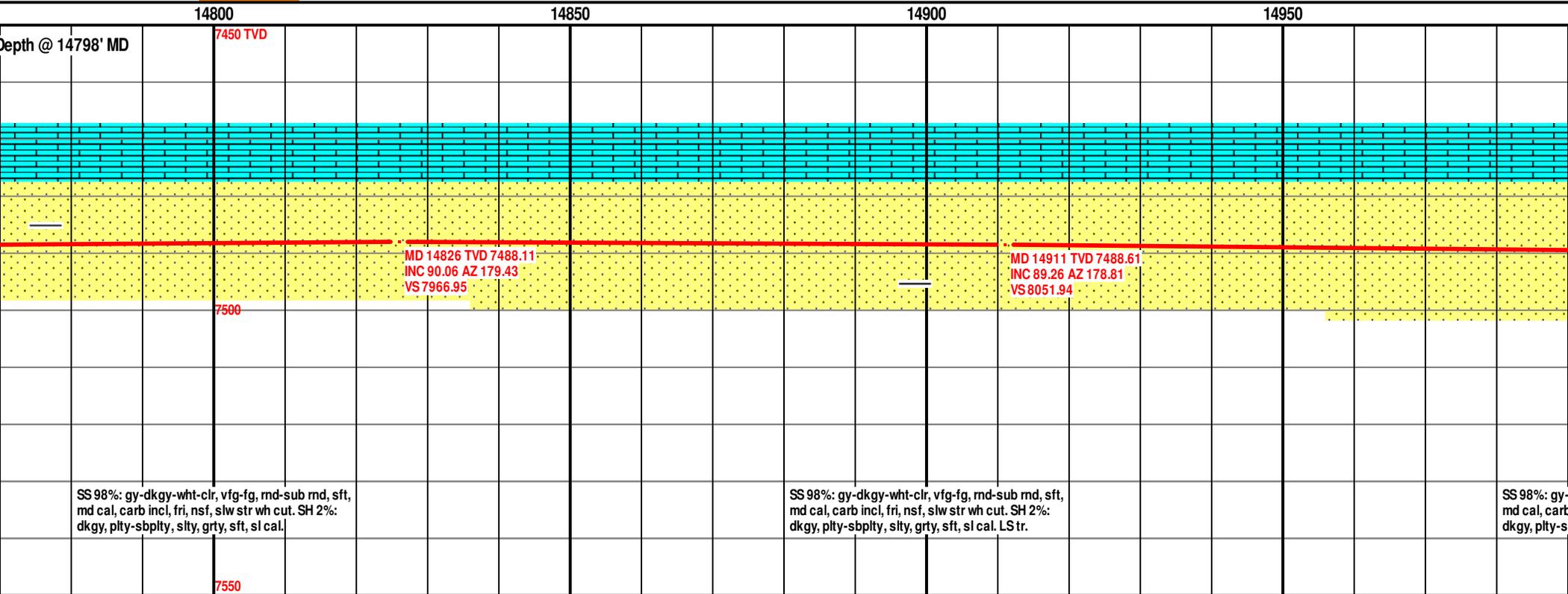
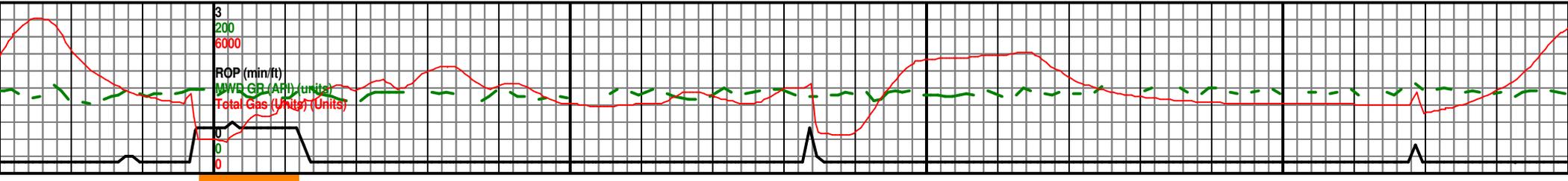


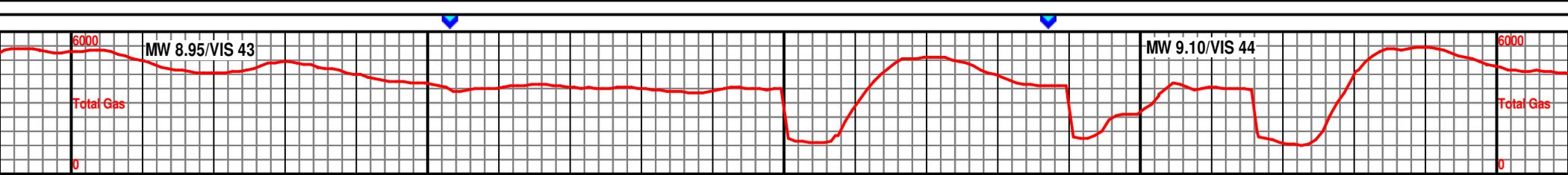
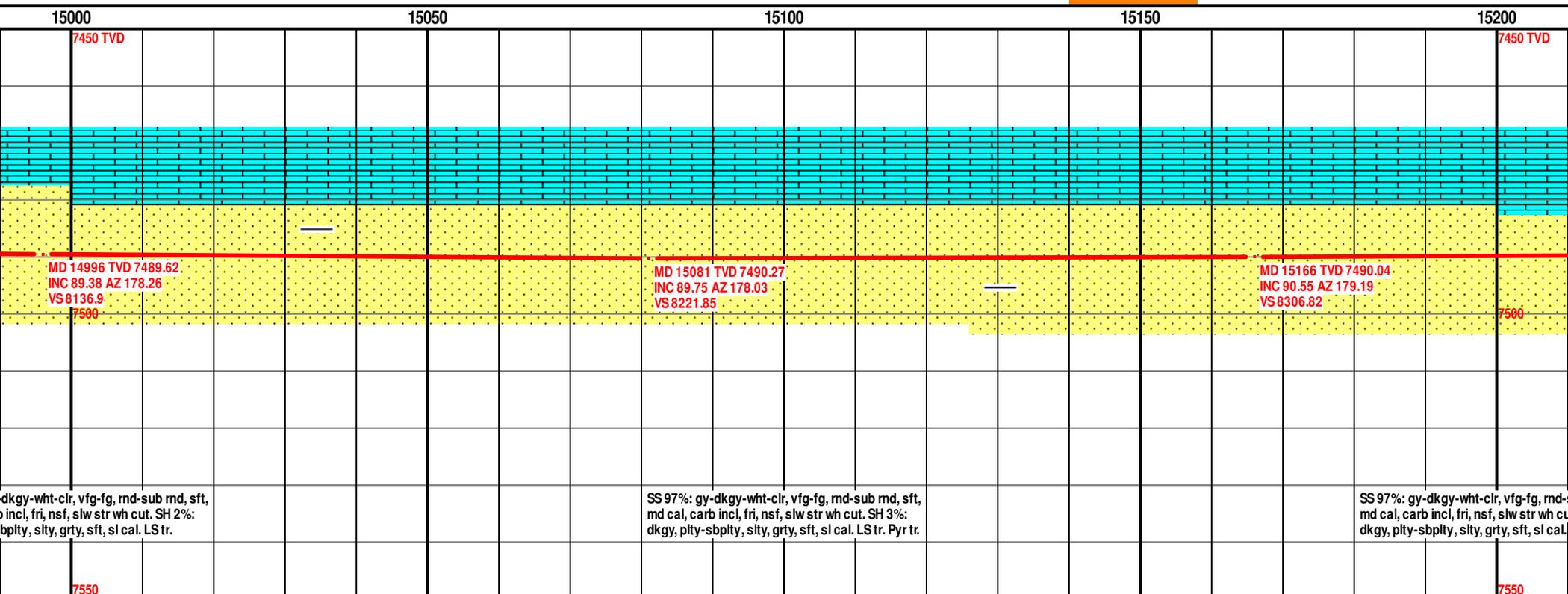
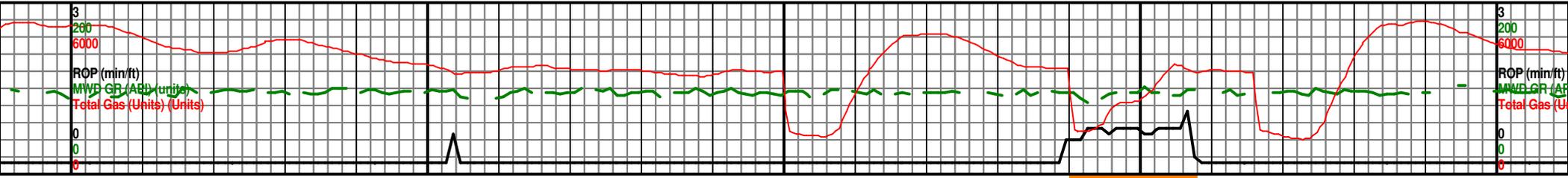
VIS 43

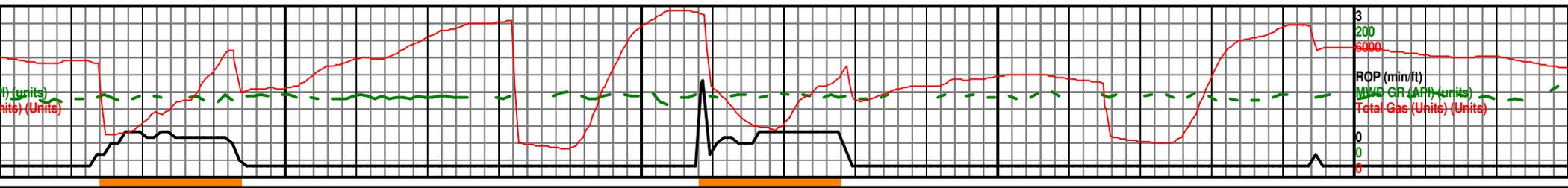
MW 8.95/VIS 42



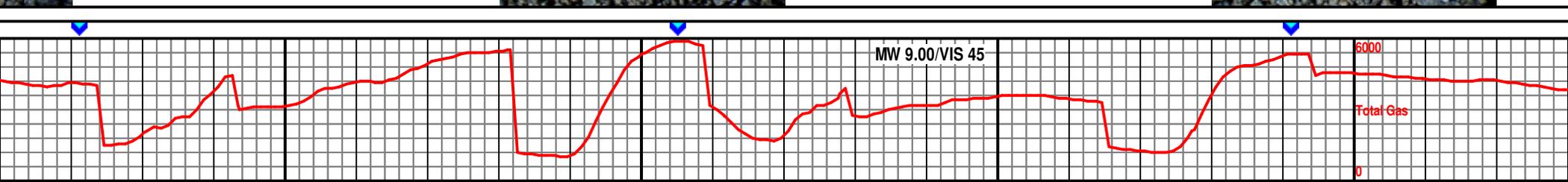


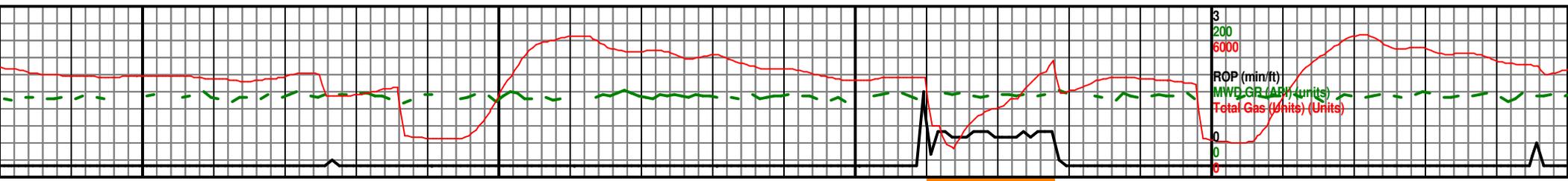






15250	15300	15350	15400
7450 TVD			
MD 15251 TVD 7489.52 INC 90.15 AZ 180.8 VS 8391.82		MD 15335 TVD 7489.6 INC 89.75 AZ 181.06 VS 8475.81	
7500			
sub md, sft, at. SH 3%:		SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, sity, grty, sft, sl cal. LS tr.	
7550			





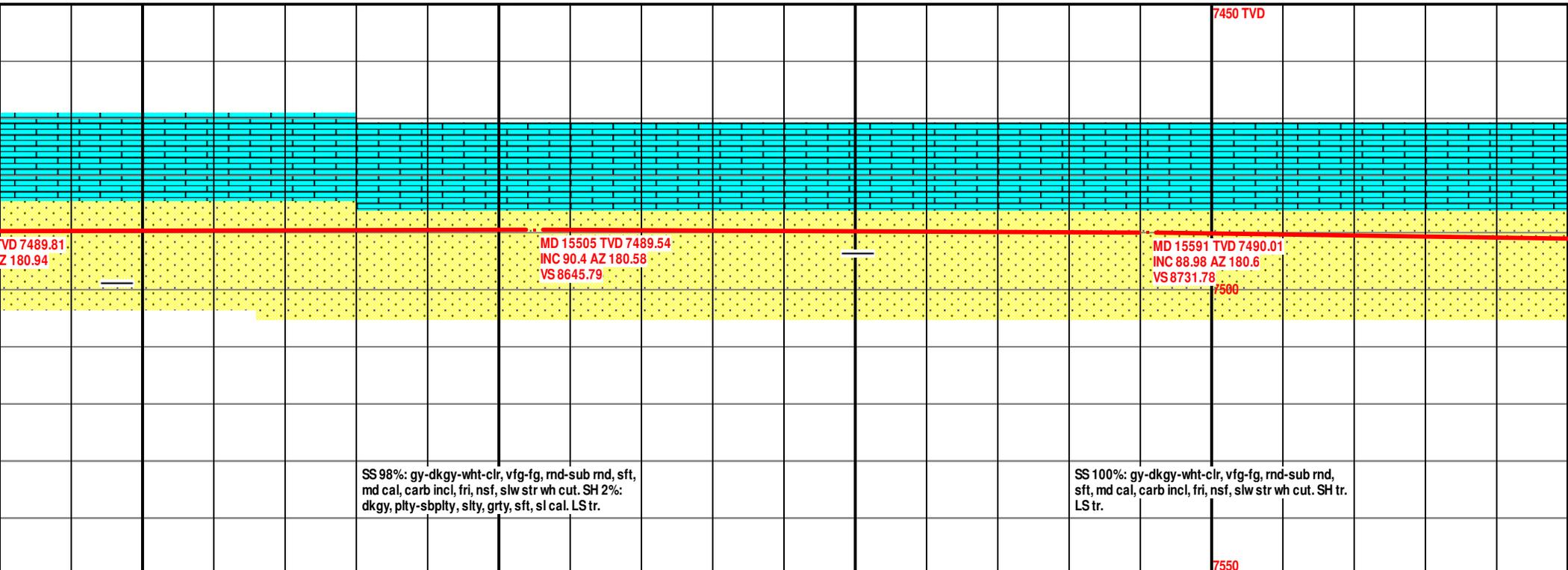
15450

15500

15550

15600

15650



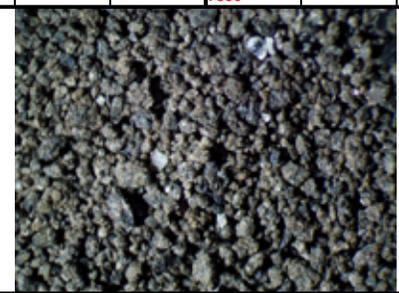
TVD 7489.81
Z 180.94

7450 TVD

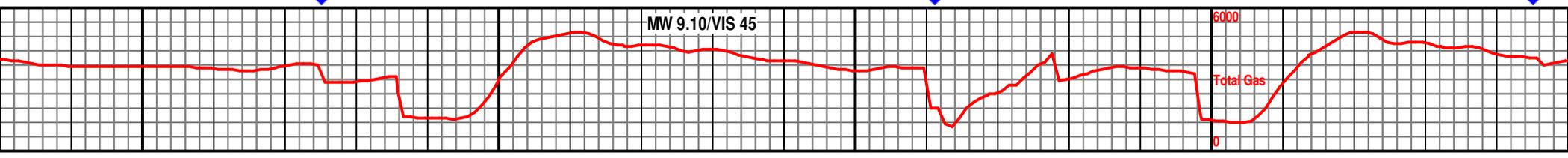
SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, plty-sbplty, slty, grty, sft, sl cal. LS tr.

SS 100%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH tr. LS tr.

7550



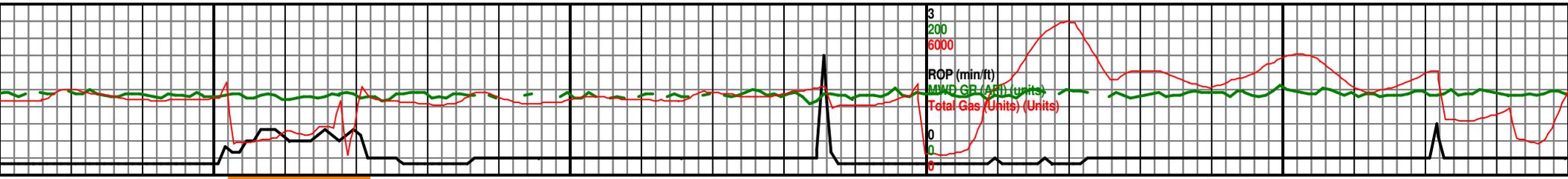
MW 9.10/VIS 45



6000

Total Gas

0

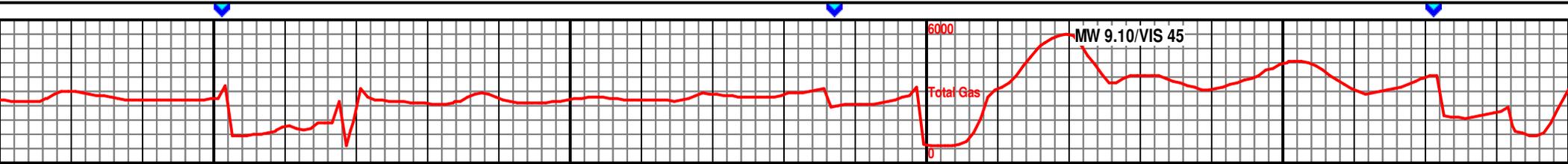
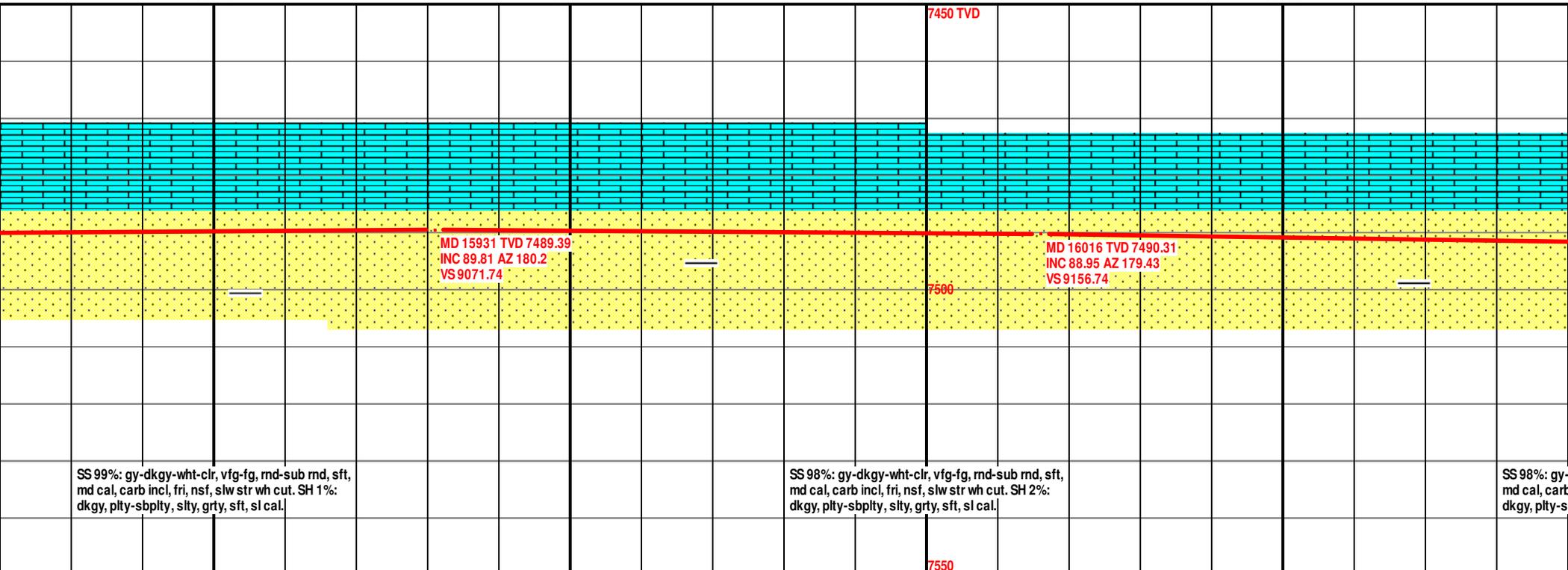


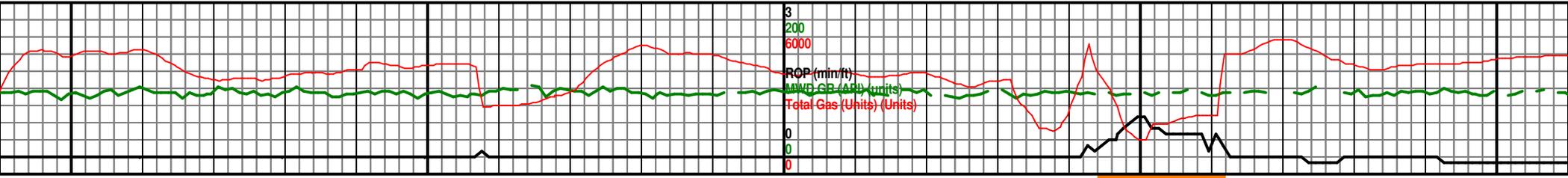
15900

15950

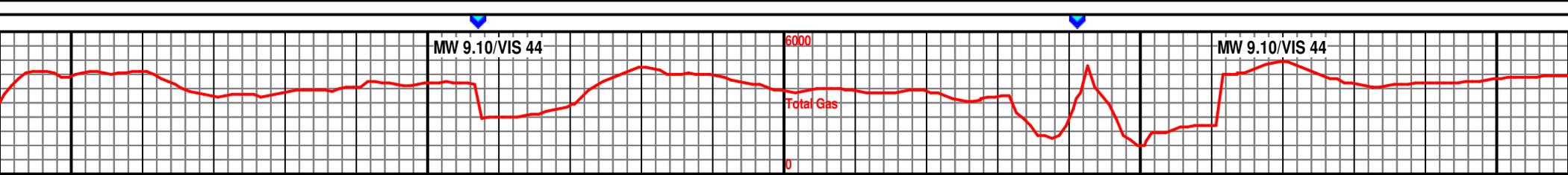
16000

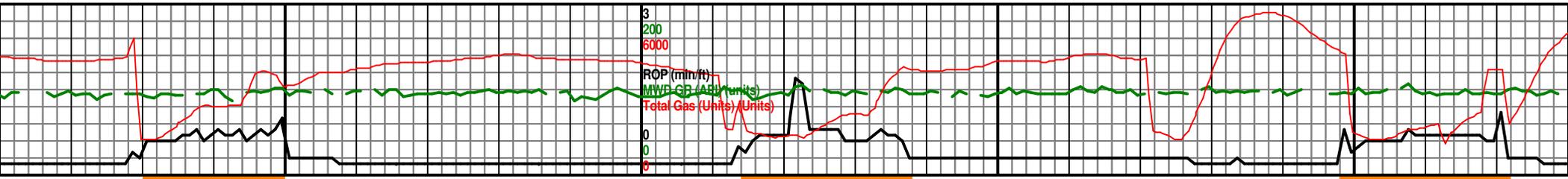
16050





16100	16150	16200	16250	16300
7450 TVD				
MD 16100 TVD 7491.81 INC 89.01 AZ 178.99 VS 9240.71		MD 16186 TVD 7492.61 INC 89.93 AZ 178.65 VS 9326.69		MD 16271 TVD 7492.57 INC 90.12 AZ 179.89 VS 9411.68
dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: sbpity, sity, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbpity, sity, grty, sft, sl cal.		SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbpity, sity, grty, sft, sl cal.
7550				



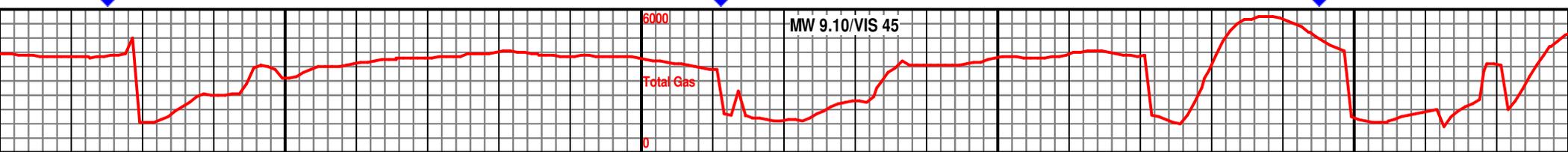
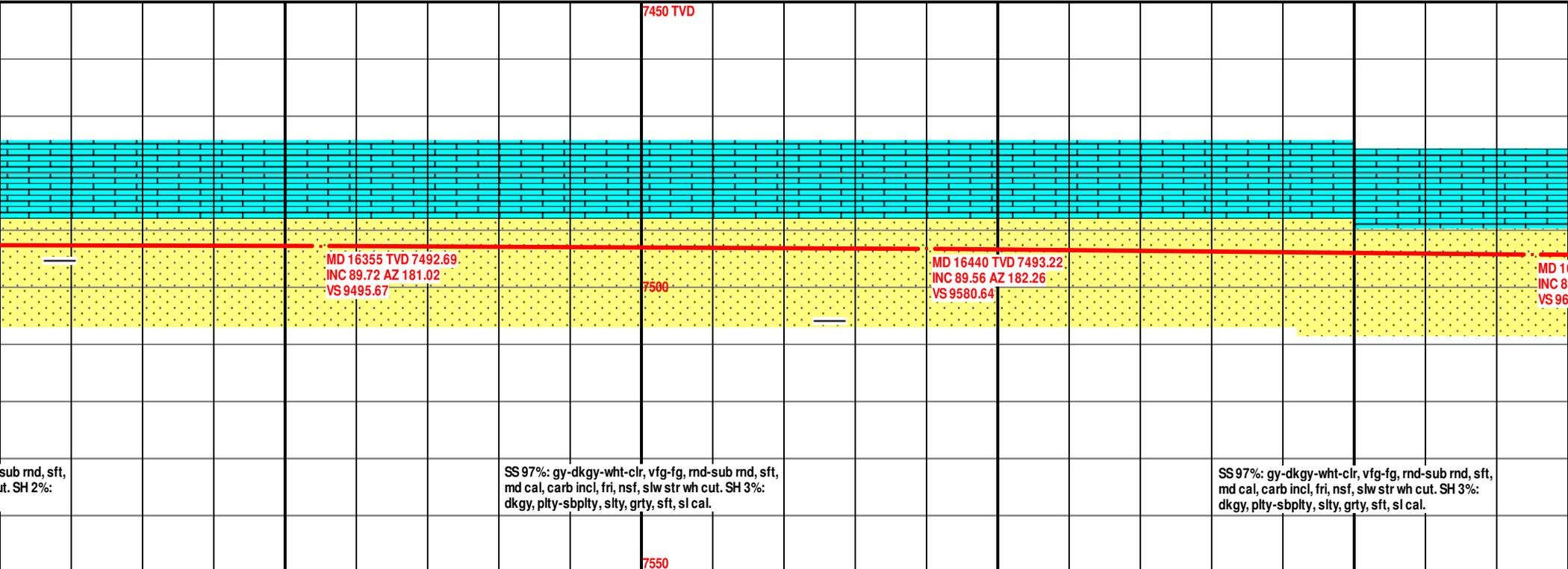


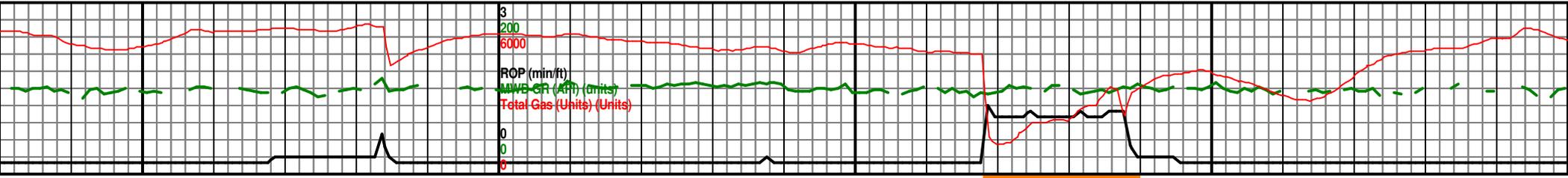
16350

16400

16450

16500





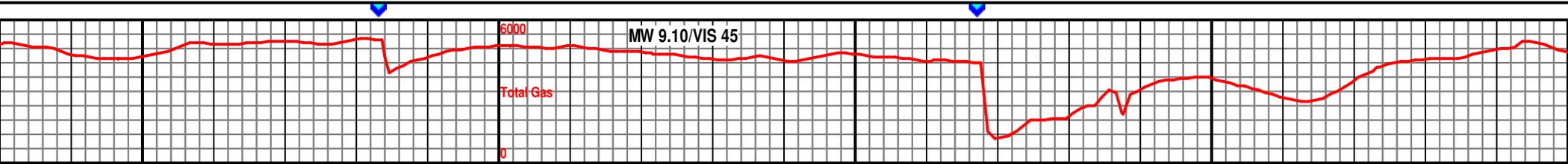
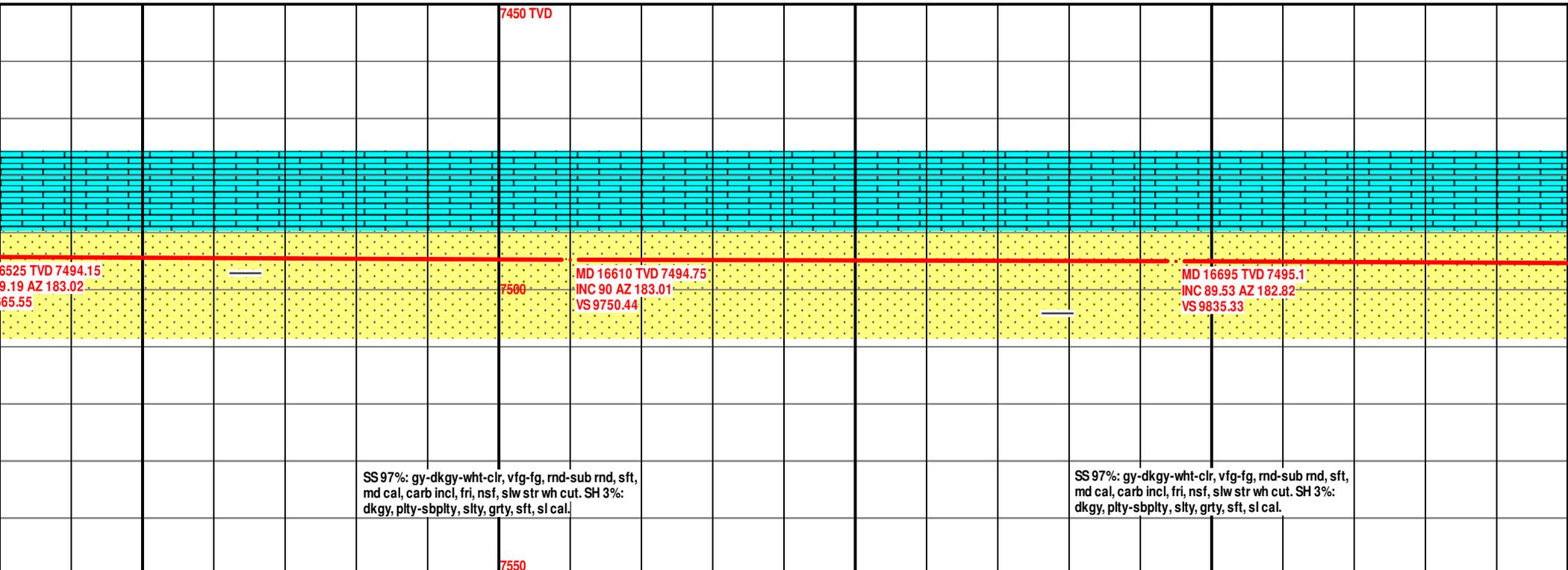
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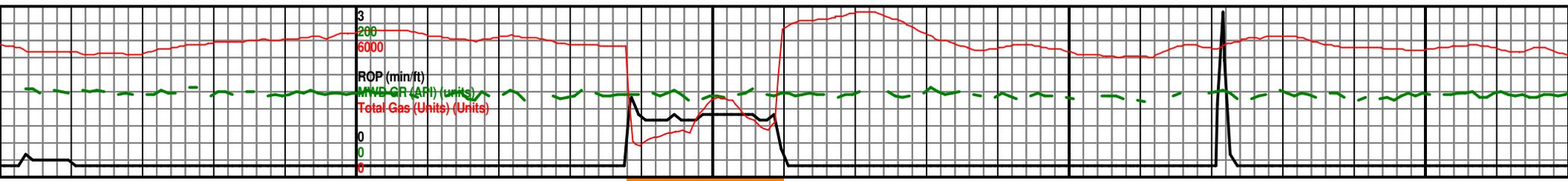
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16650

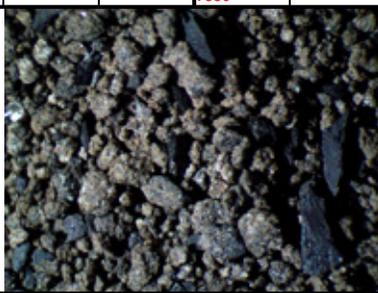
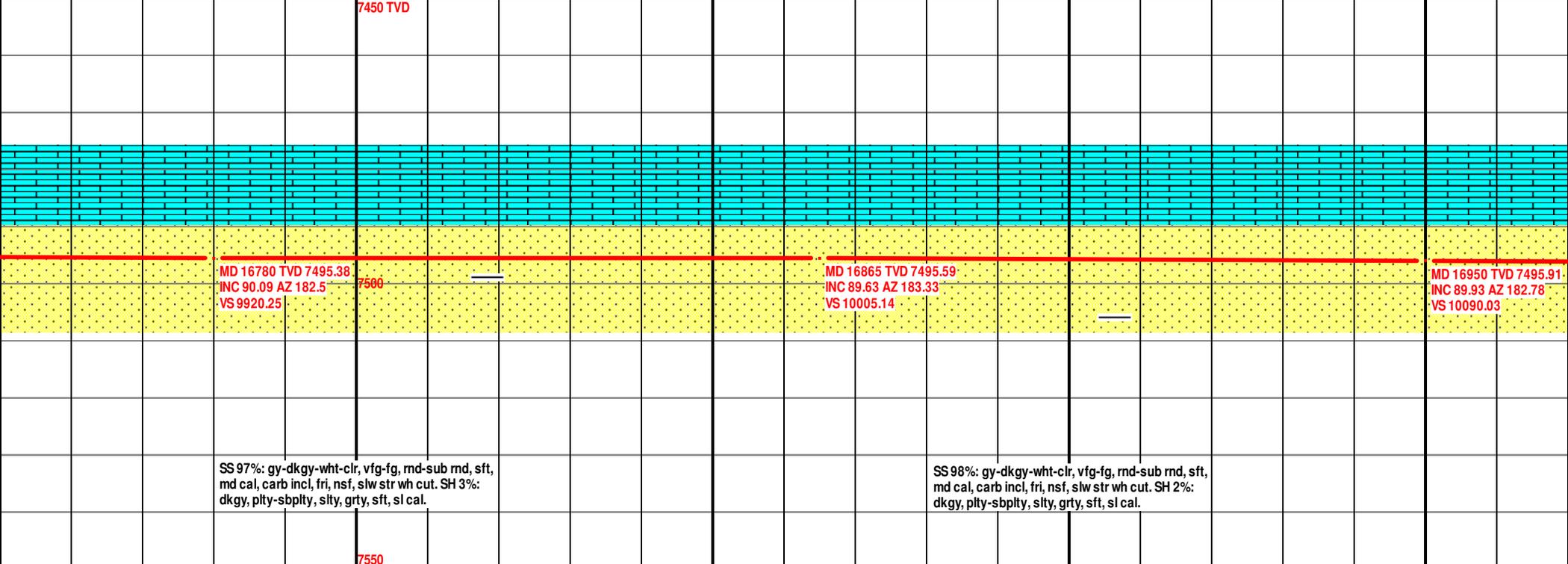
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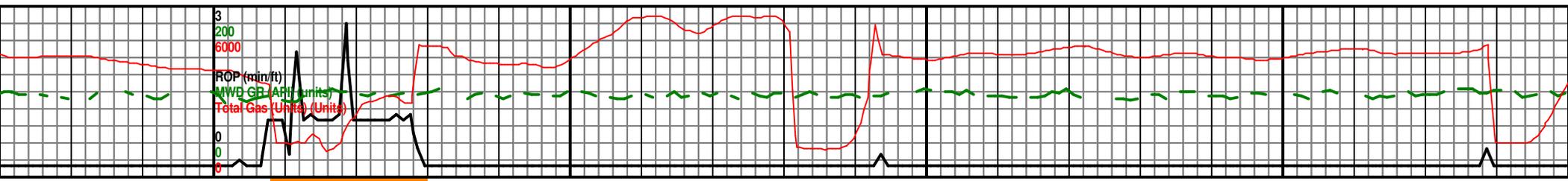
16750





750 16800 16850 16900 16950





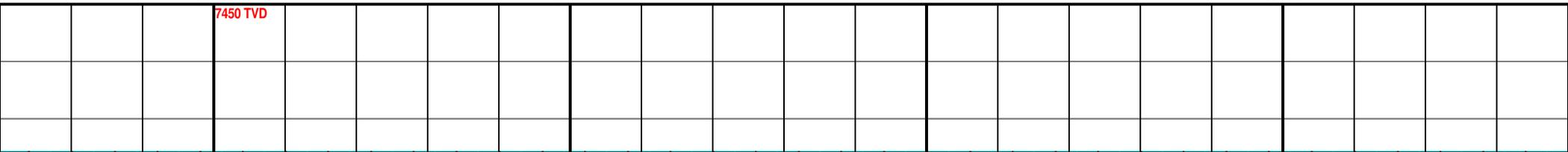
17000

17050

17100

17150

7450 TVD



7500

MD 17036 TVD 7496.43
INC 89.38 AZ 182.39
VS 10175.94

MD 17121 TVD 7496.89
INC 90 AZ 181.68
VS 10260.89

SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, sity, grty, sft, sl cal.

SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, sity, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbply, sity, grty, sft, sl cal.

7550

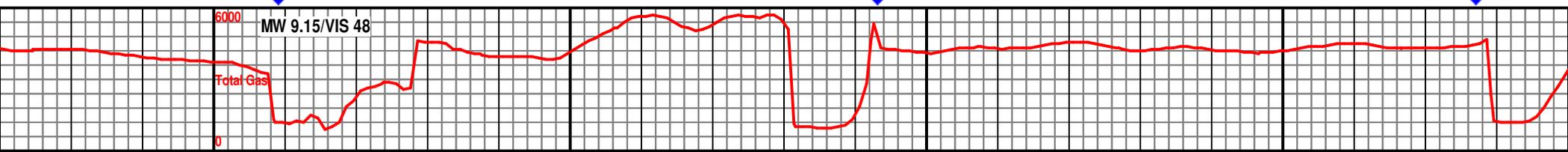


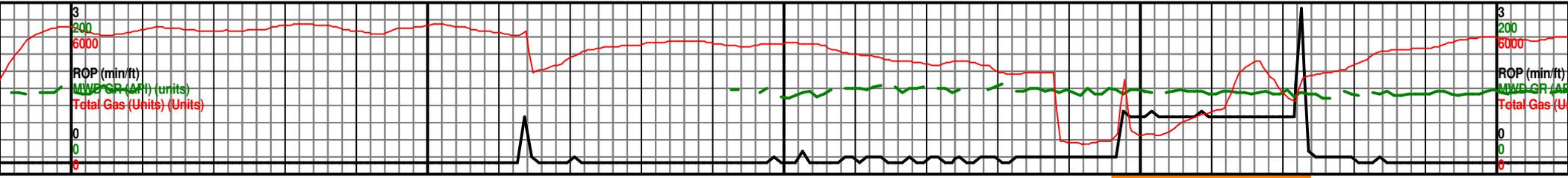
MW 9.15/VIS 48

6000

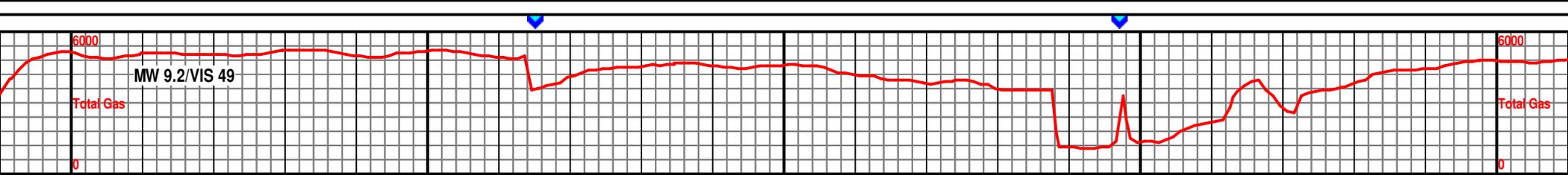
Total Gas

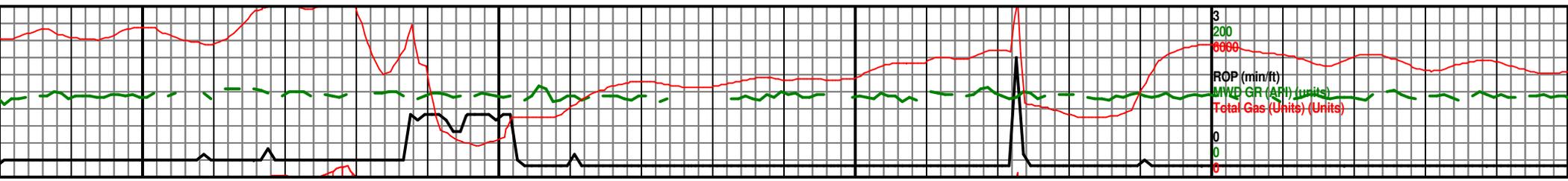
0





17200	17250	17300	17350	17400
7450 TVD				7450 TVD
7500	MD 17206 TVD 7496.55 INC 90.46 AZ 181.3 VS 10345.86	MD 17291 TVD 7495.14 INC 91.44 AZ 180.81 VS 10430.84		MD 17376 TVD 7493.69 INC 90.52 AZ 180.87 VS 10515.82
dkgy-wht-clr, vfg-fg, md-sub md, sft, incl, fri, nsf, slw str wh cut. SH 1%: bplty, slty, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbplty, slty, grty, sft, sl cal.		SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbplty, slty, grty, sft, sl cal.
7550				7550





17650

17700

17750

17800

3
200
6690
ROP (min/ft)
MWG GR (API) (units)
Total Gas (Units) (Units)
0
0
0

4:00AM 1/20/2015 Depth @ 17772' MD

										7450 TVD	
										7500 TVD	
										7550	
										7600	
										7650	
										7700	
										7750	
										7800	
										7850	
										7900	
										7950	
										8000	
										8050	
										8100	
										8150	
										8200	
										8250	
										8300	
										8350	
										8400	
										8450	
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										8950	
										9000	
										9050	
										9100	
										9150	
										9200	
										9250	
										9300	
										9350	
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										9450	
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										9700	
										9750	
										9800	
										9850	
										9900	
										9950	
										10000	

MD 17630 TVD 7496.37
INC 89.93 AZ 180.52
VS 10769.78

MD 17716 TVD 7497.19
INC 88.98 AZ 180.04
VS 10855.77

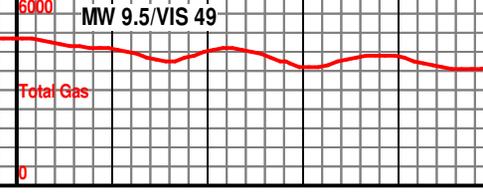
MD 17801 TVD 7498.08
INC 89.81 AZ 179.44
VS 10940.76

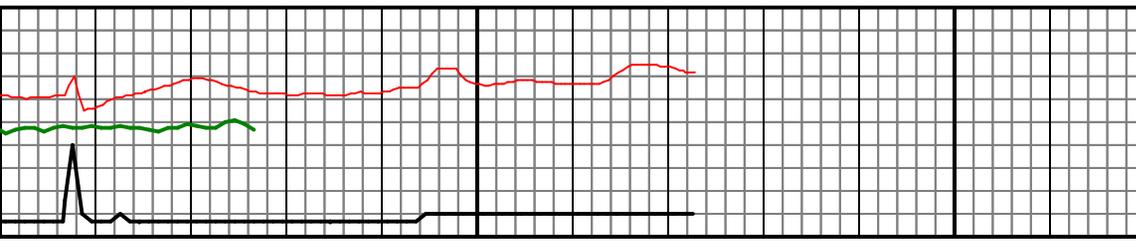
SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbply, slty, grty, sft, sl cal.

SS 99%: gy-dkgy-wht-clr, vfg-fg, md-sub rnd, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 1%: dkgy, pty-sbply, slty, grty, sft, sl cal.



MW 9.5/VIS 49





350 17900 17950

										TD of 17923' MD Achieved at 5:00AM 1/20/2015.									
										Released by Company Man 1/20/2015.									
<p>SS 98%: gy-dkgy-wht-clr, vfg-fg, md-sub md, sft, md cal, carb incl, fri, nsf, slw str wh cut. SH 2%: dkgy, pty-sbplty, slty, grty, sft, sl cal.</p>																			

