

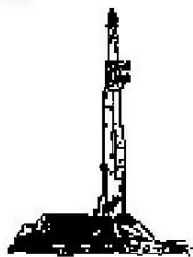
GOOLSBY BROTHERS and associates, inc.

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: SRC FAGERBERG 6N-7C-M

API: 05-123-43182

Location: Section 12, T6N, R66W, Weld County, CO.

License Number:

Spud Date: JULY 13, 2016

Region: Wattenberg

Drilling Completed: JULY XX, 2016

Surface Coordinates: NWSW 1331 FSL 235 FWL

Lat/Long: 40.499225/-104.734123

Bottom Hole Coordinates: SWNE 2036 FNL 2527 FEL

SEC 7, T6N, R65W

Ground Elevation (ft): 4799'

K.B. Elevation (ft): 4812'

Logged Interval (ft): 6800'

To: xxxxx'

Total Depth (ft): xxxxx' DTD

Formation: NIOBRARA "C" BENCH

Type of Drilling Fluid: LSND

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

OPERATOR

Company: Synergy Resources Corporation

Address: 1625 Broadway, Suite 300
Denver, Co 80202

GEOLOGIST

Name: Tekabe Gedamu, Blake Stacey

Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)

Address: 575 Union Blvd.
Suite 208,
Lakewood CO. 80228

E-logs

MWD GR from 6800'-XXXX'

Casing

9 5/8" 36# LTC J-55 Surface Casing set @ 1715' MD.

4 1/2" Production Liners/Packers run on July xx, 2016.

Comments







- 1) Drilling Contractor: Precision Drilling Co, LP 462
- 2) Company Man: Sean Devereaux
Tim Jones
Kevin Brakovec
- 3) Mud Comapny : Halliburton
- 4) Directional Drilling: Schlumberger.
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Tekabe Gedamu, Mike Dodge







ROCK TYPES

	Anhy		Oil sat.		Salt		Ss
	Bent		Congl		Shale		Chalk
	Brec		Dol		Shcol		Carb sh
	Cht		Gyp		Shgy		Slt sh
	Clyst		Lmst		Ss		
	Coal		Mrlst		Sltst		




ACCESSORIES

MINERAL							
	Anhy		Minxl		Crin		Dol
	Arggrn		Nodule		Echin		Gyp
	Arg		Phos		Fish		Ls
	Bent		Pyr		Foram		Mrst
	Bit		Salt		Fossil		Sltstrg
	Brecfrag		Sandy		Gastro		Ssstrg
	Calc		Silt		Oolite		
	Carb		Sil		Ostra		
	Chtdk		Sulphur		Pelec		
	Chtlit		Tuff		Pellet		
	Dol				Pisolite		
	Feldspar				Plant		
	Ferrpel				Strom		
	Ferr						
	Glau						
	Gyp						
	Hvymin						
	Kaol						
	Marl						

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

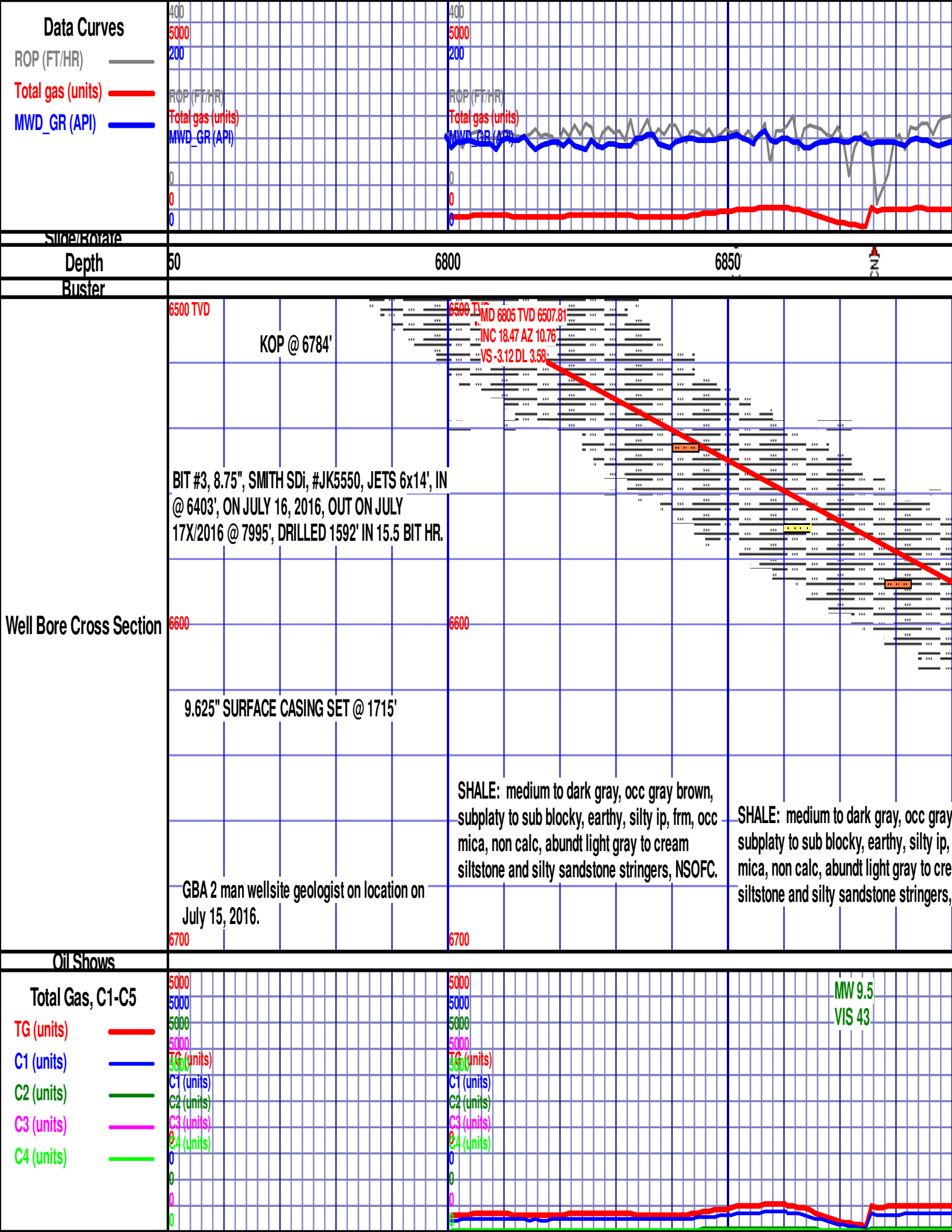
	Well
	Moderate
	Poor

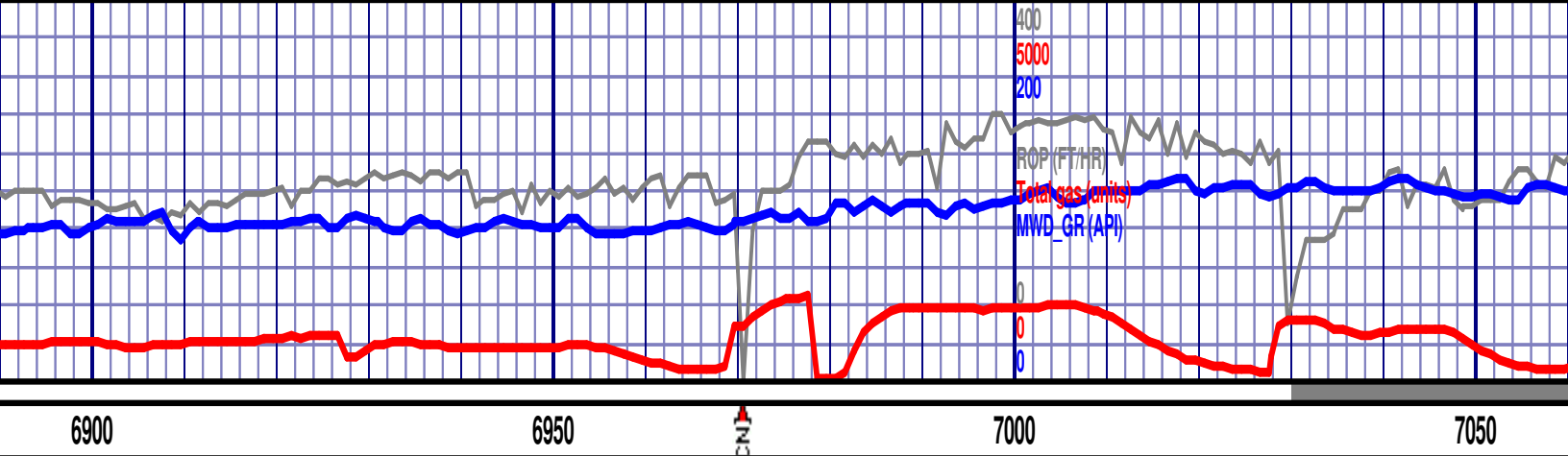
OTHER SYMBOLS

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

STRINGER	
	Chlkstg
	Anhy
	Arg
	Bent
	Coal





MD 6899 TVD 6595.2
INC 25.41 AZ 40.12
VS 12.73 DL 13.6

MD 6993 TVD 6677.34
INC 32.89 AZ 54.35
VS 46.55 DL 10.8

SHALE: medium to dark gray, occ gray brown, subplaty to sub blocky, earthy, silty ip, frm, occ mica, non calc, abundt light gray to cream siltstone and silty sandstone stringers, NSOFC.

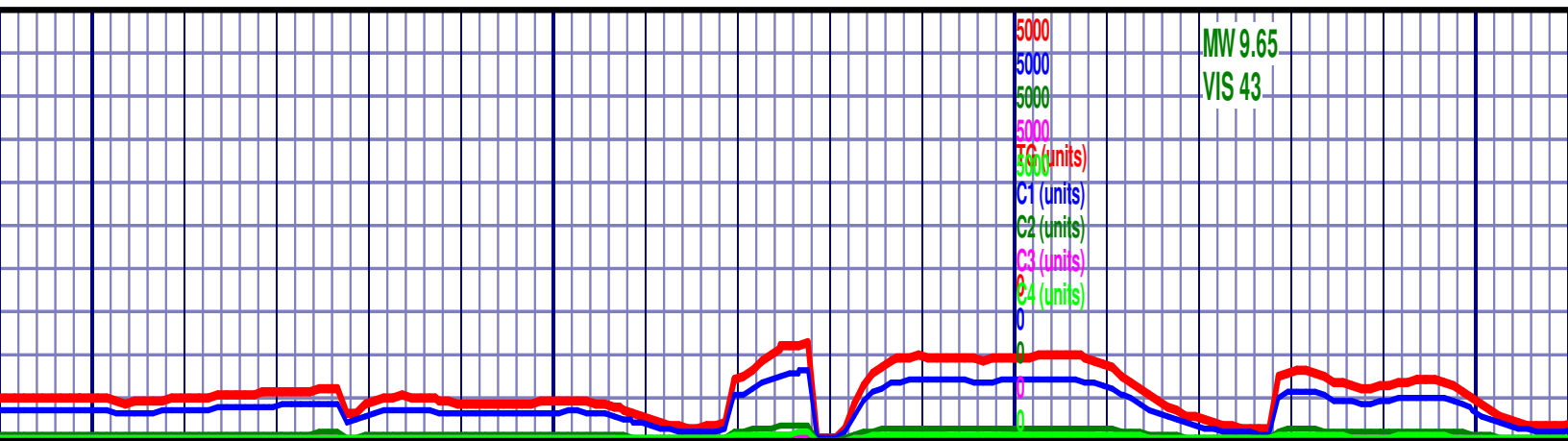
SHALE: medium to dark gray, occ gray brown, subplaty to sub blocky, earthy, silty ip, frm, occ mica, non calc, abundt light gray to cream siltstone and silty sandstone stringers, NSOFC.

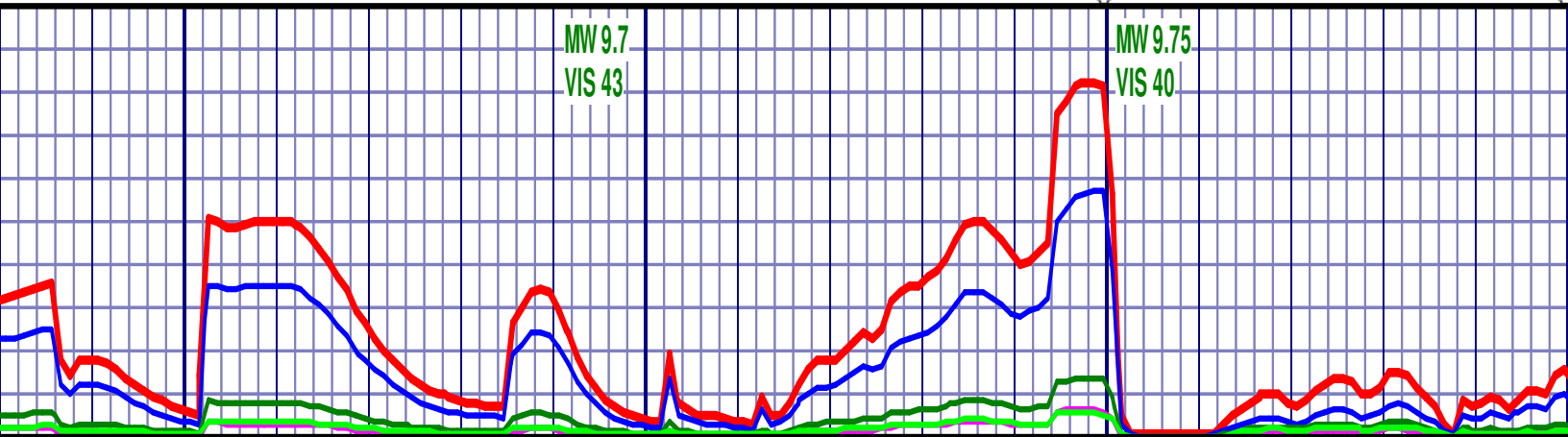
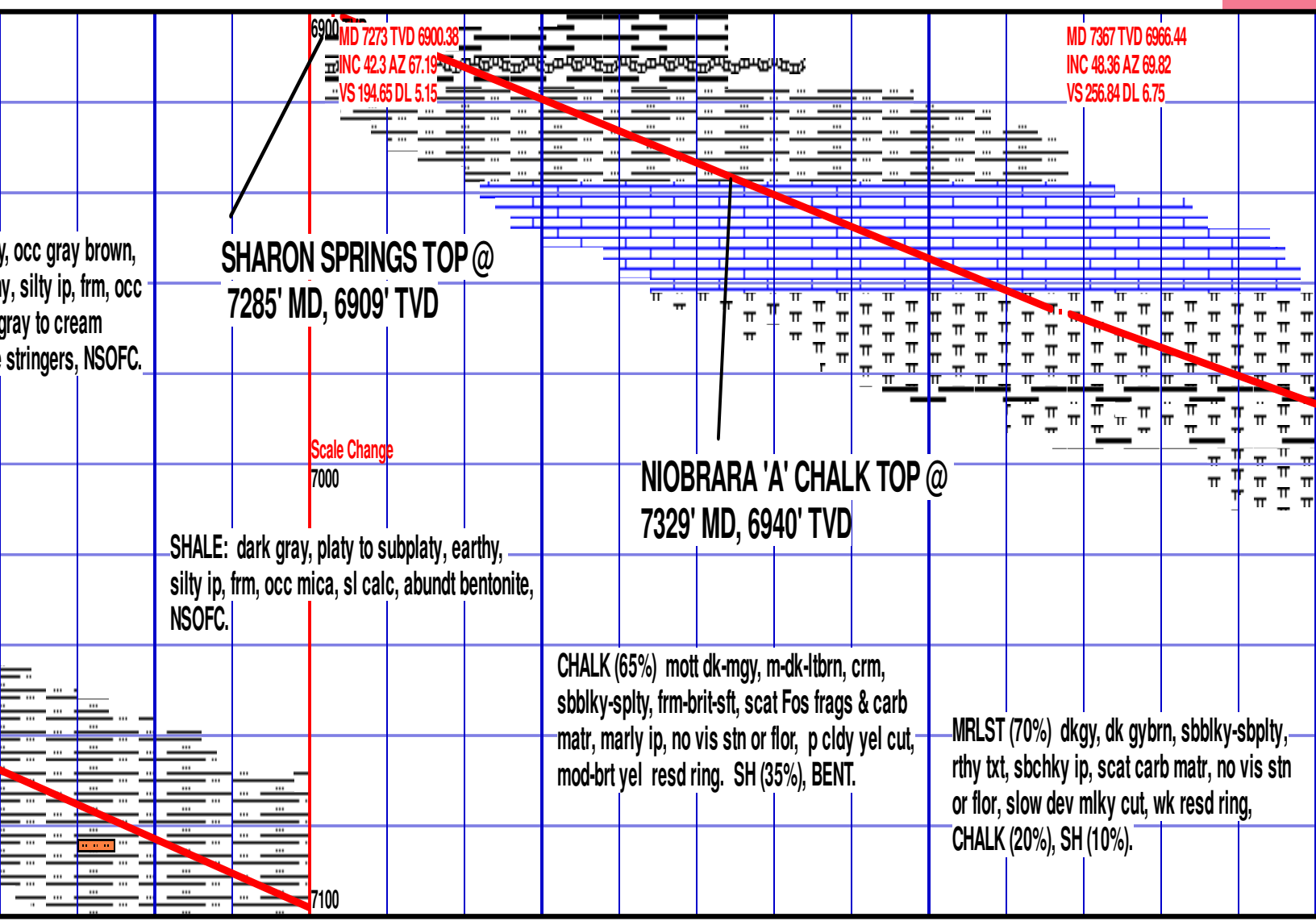
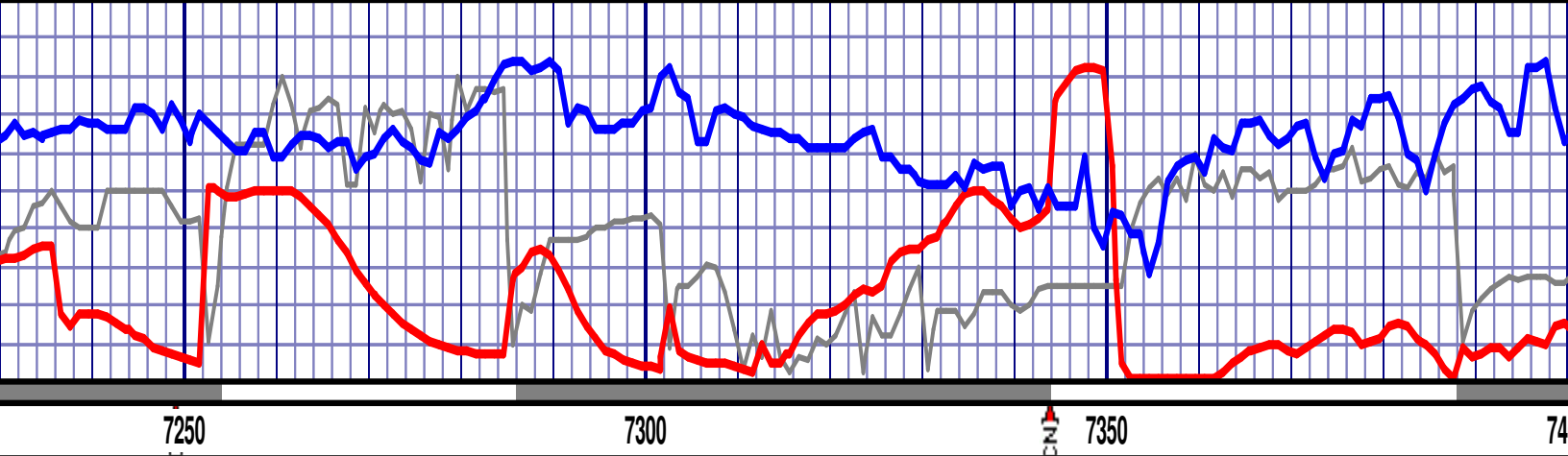
SHALE: medium to dark gray, occ gray brown, subplaty to sub blocky, earthy, silty ip, frm, occ mica, non calc, abundt light gray to cream siltstone and silty sandstone stringers, NSOFC.

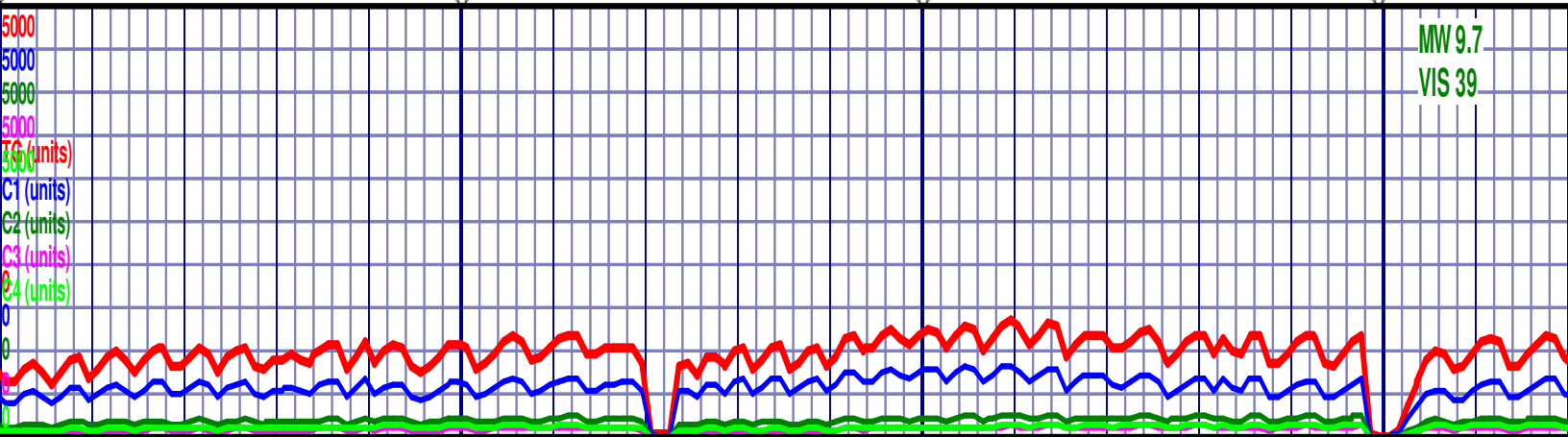
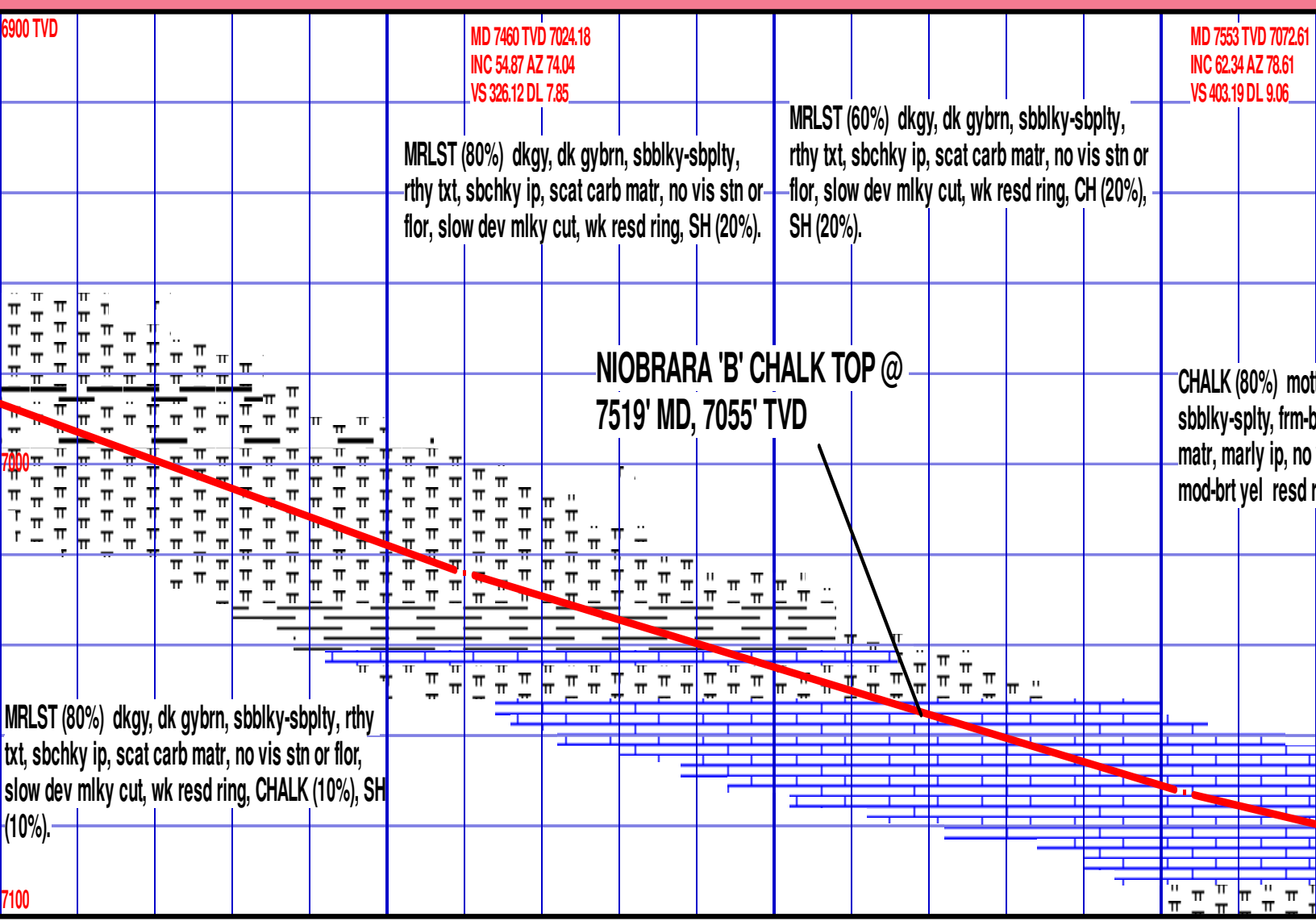
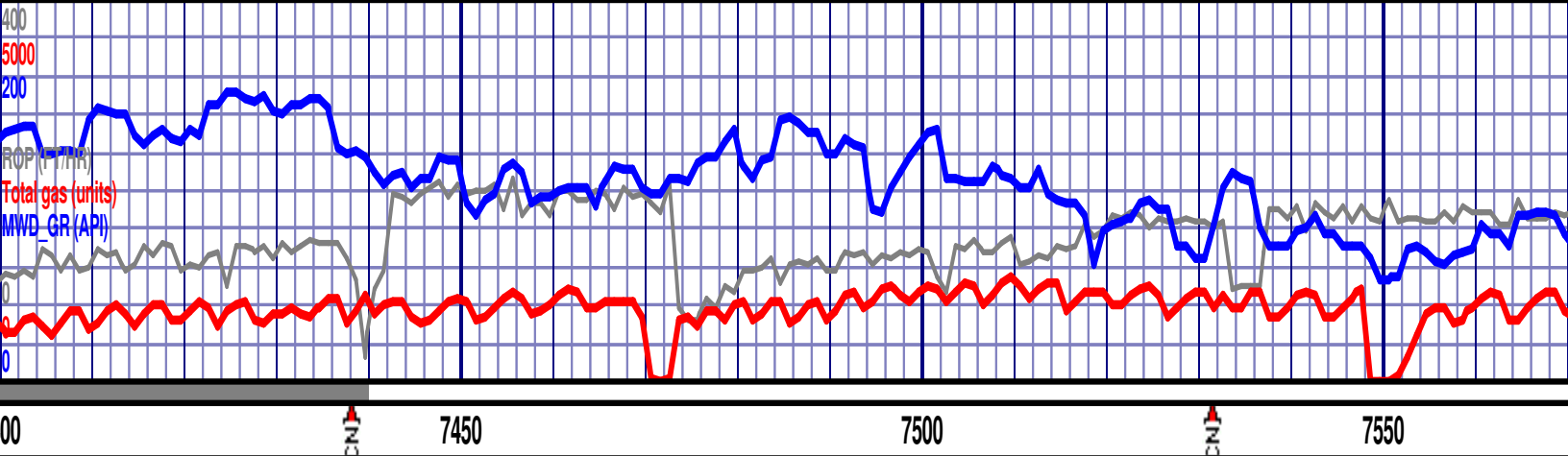
Scale Change
6800

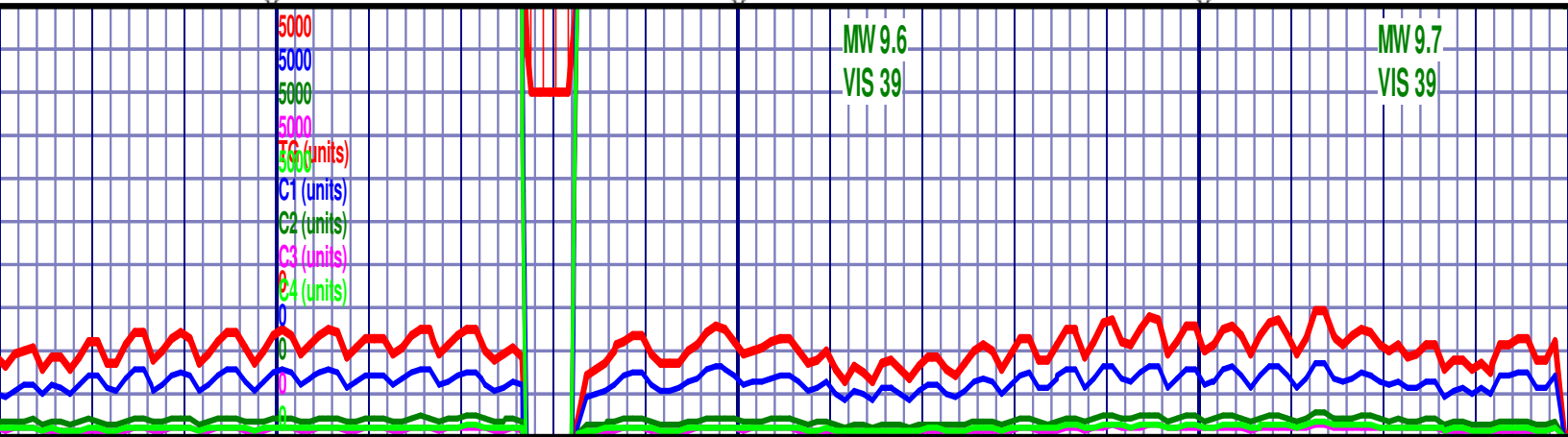
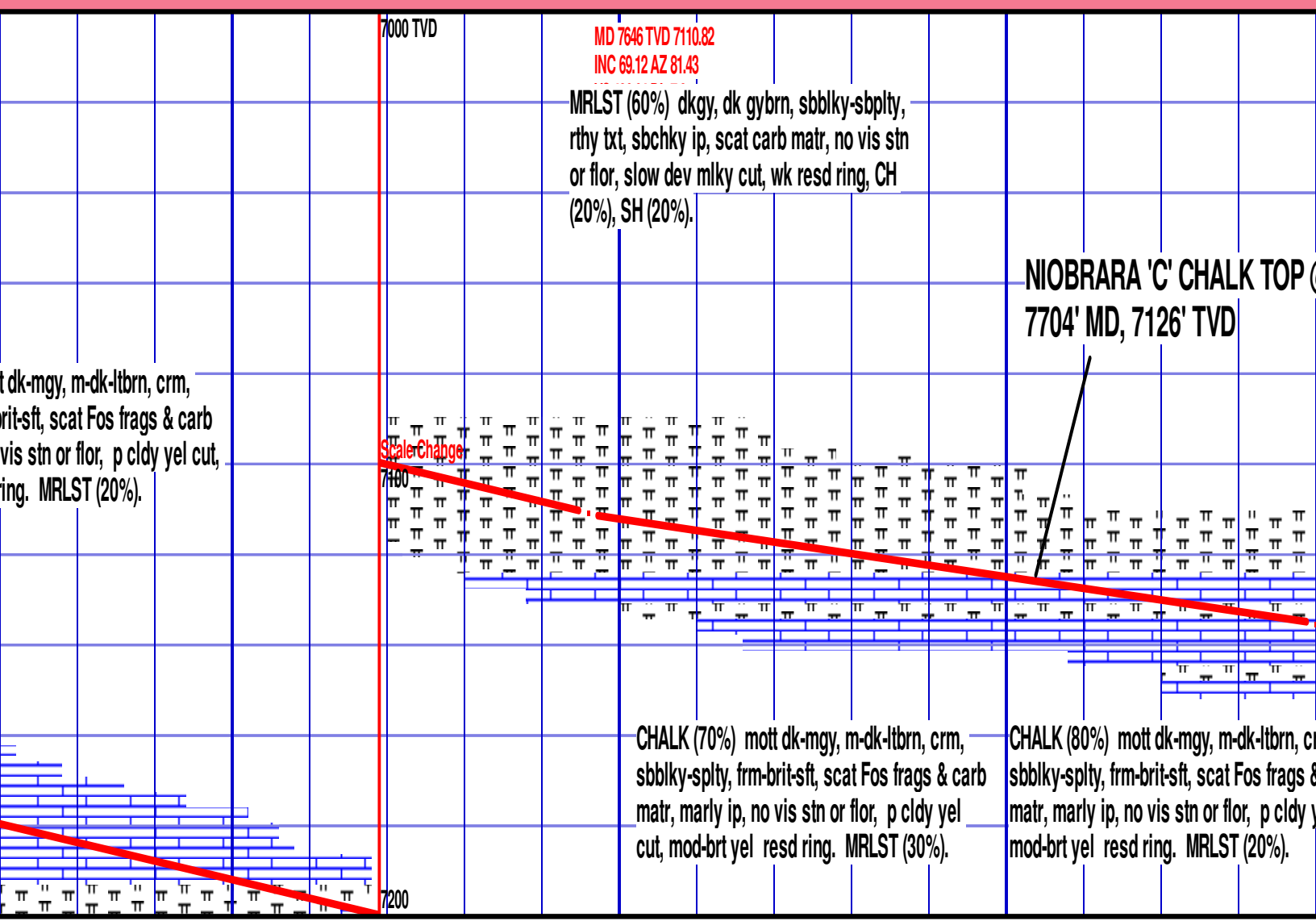
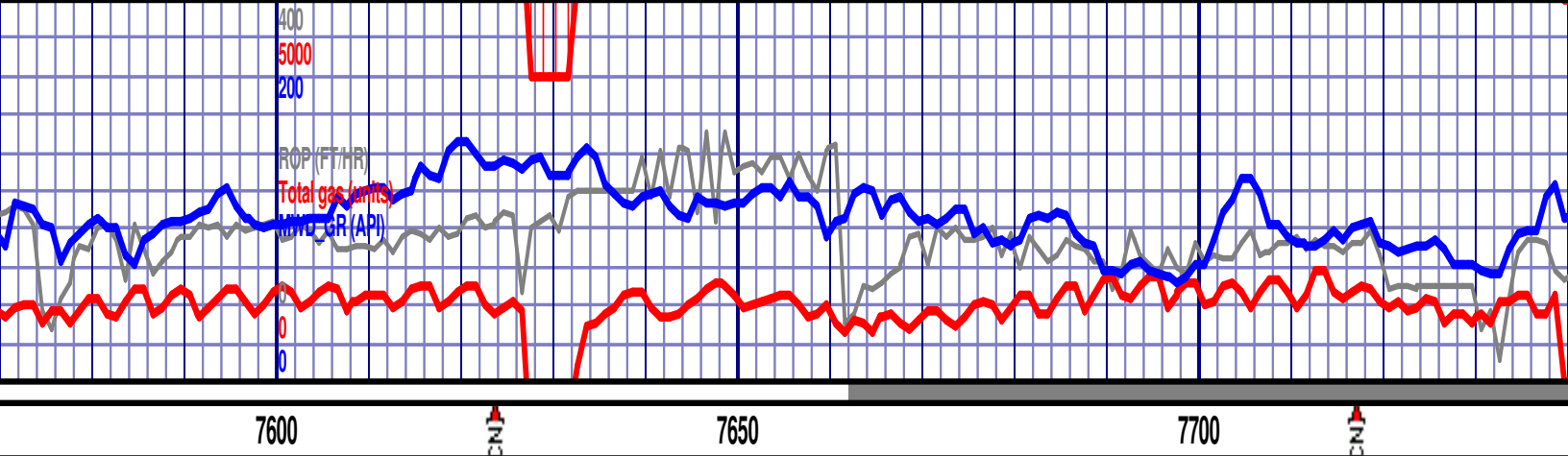
brown, frm, occ am NSOFC.

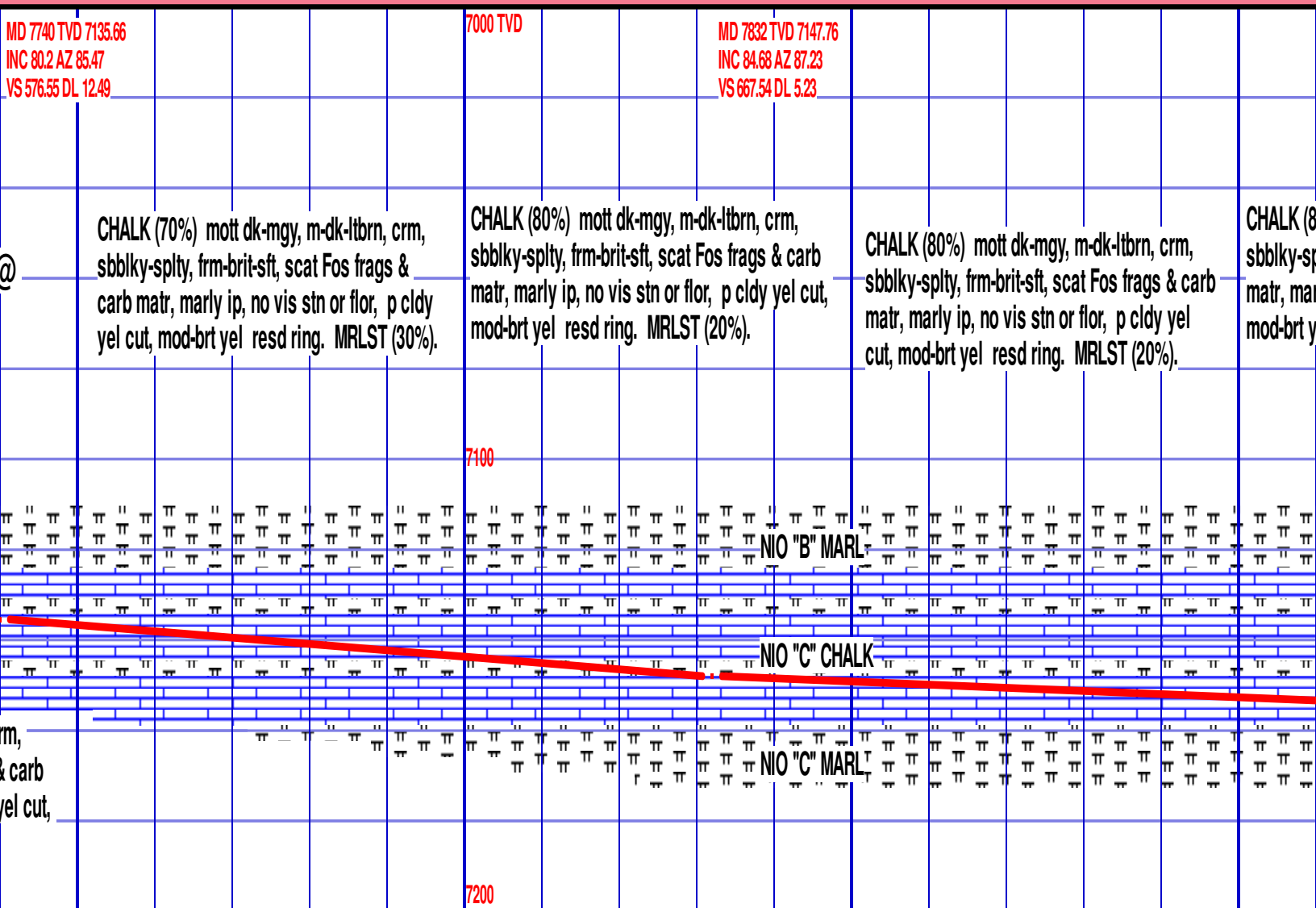
SHALE: subplaty mica, no siltstone

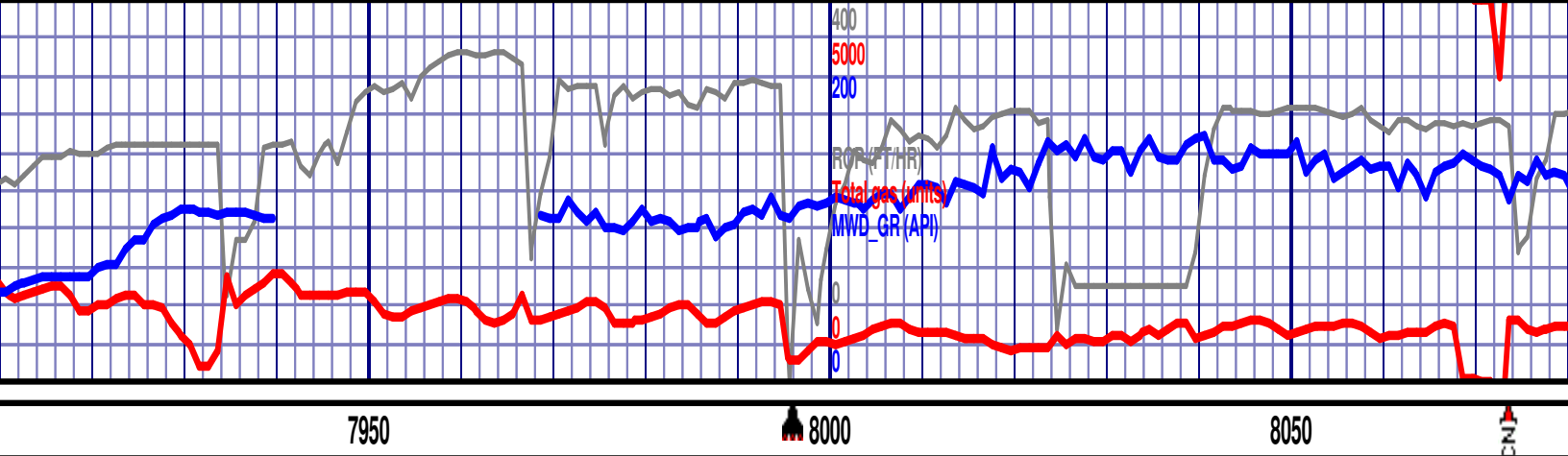












MD 7925 TVD 7154.53
INC 86.97 AZ 87.23
VS 760.18 DL 2.46

7000 TVD
TD CURVE @ 7995' MD
ON 07/17/16, 1035HR.

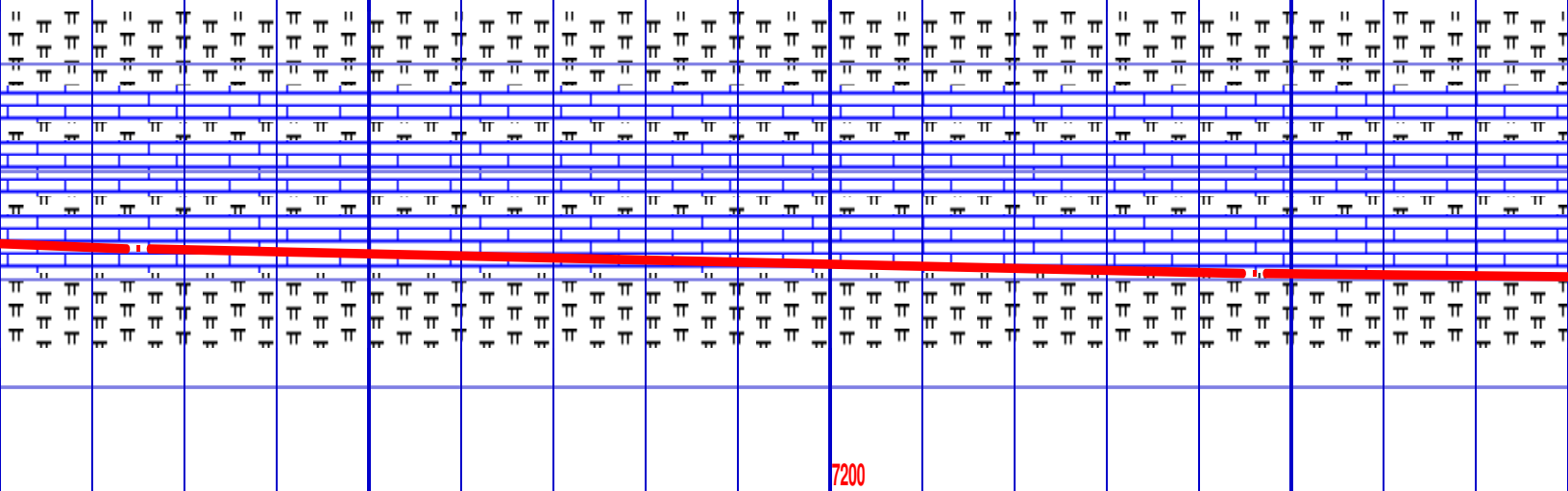
MD 8046 TVD 7159.09
INC 88.71 AZ 88.02
VS 880.98 DL 1.58

BIT #4, 8.5", SECURITY PDC, #12801828, JETS 3x15's
AND 2X14's, ROTARY STEERABLE, IN @ 7995', ON
JULY 17, 2016, OUT ON JULY 19, 2016 @ 10892',
DRILLED 2897' IN 14.3 BIT HR.

0%) mott dk-mgy, m-dk-ltbrn, crm,
bilty, frm-brit-sft, scat Fos frags & carb
ly ip, no vis stn or flor, p cldy yel cut,
el resd ring. MRLST (20%).

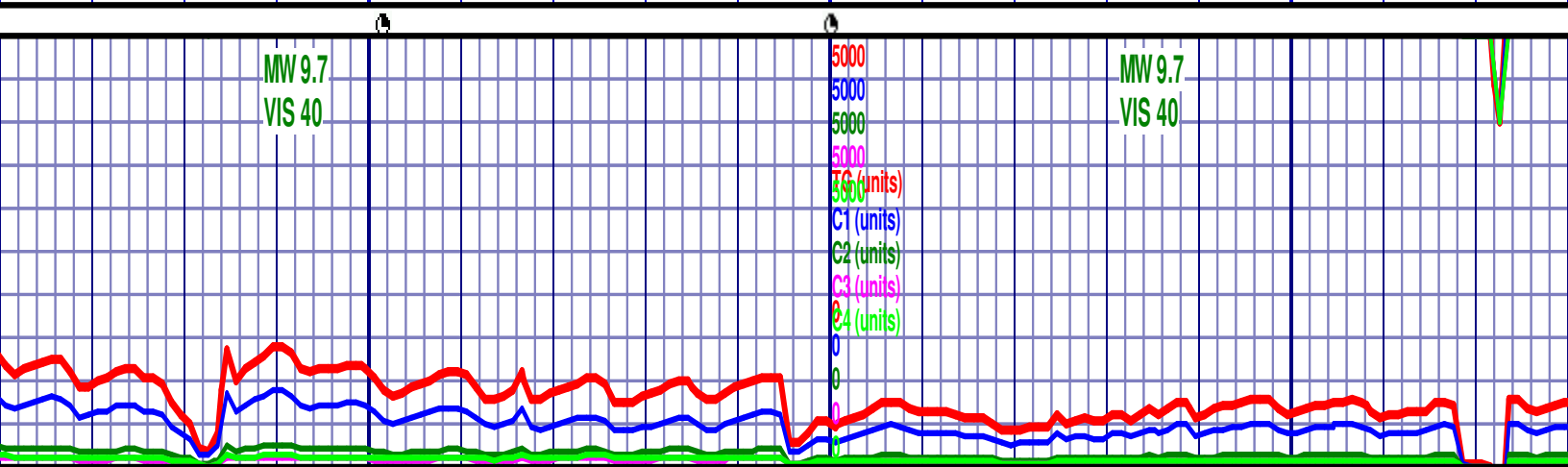
CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm,
sbbiky-sply, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut,
mod-brt yel resd ring. MRLST (20%).

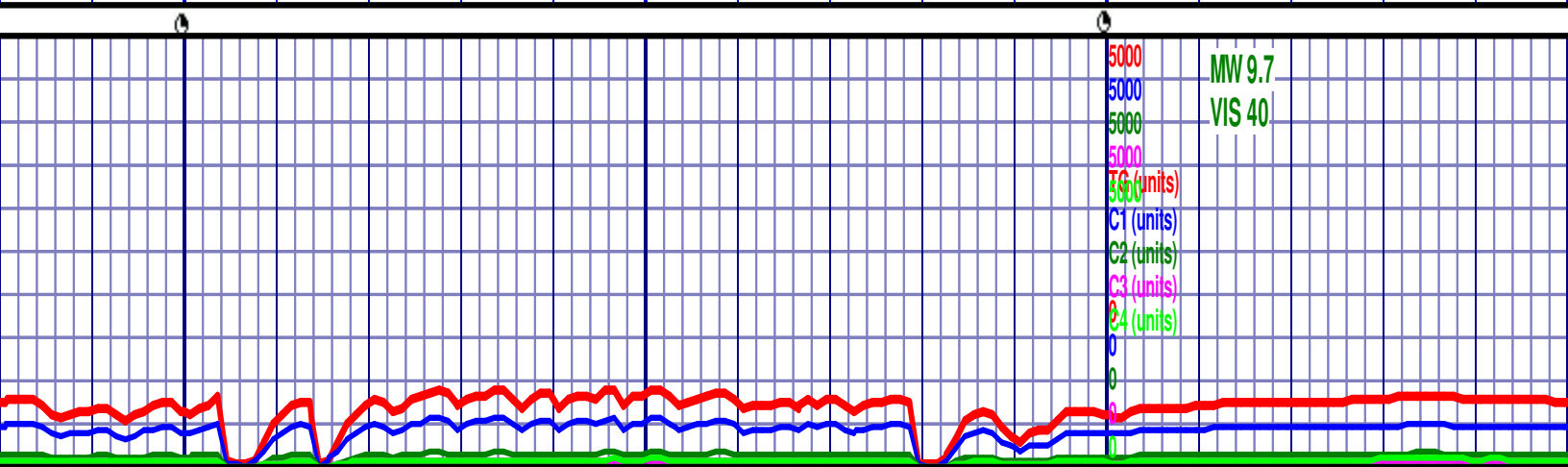
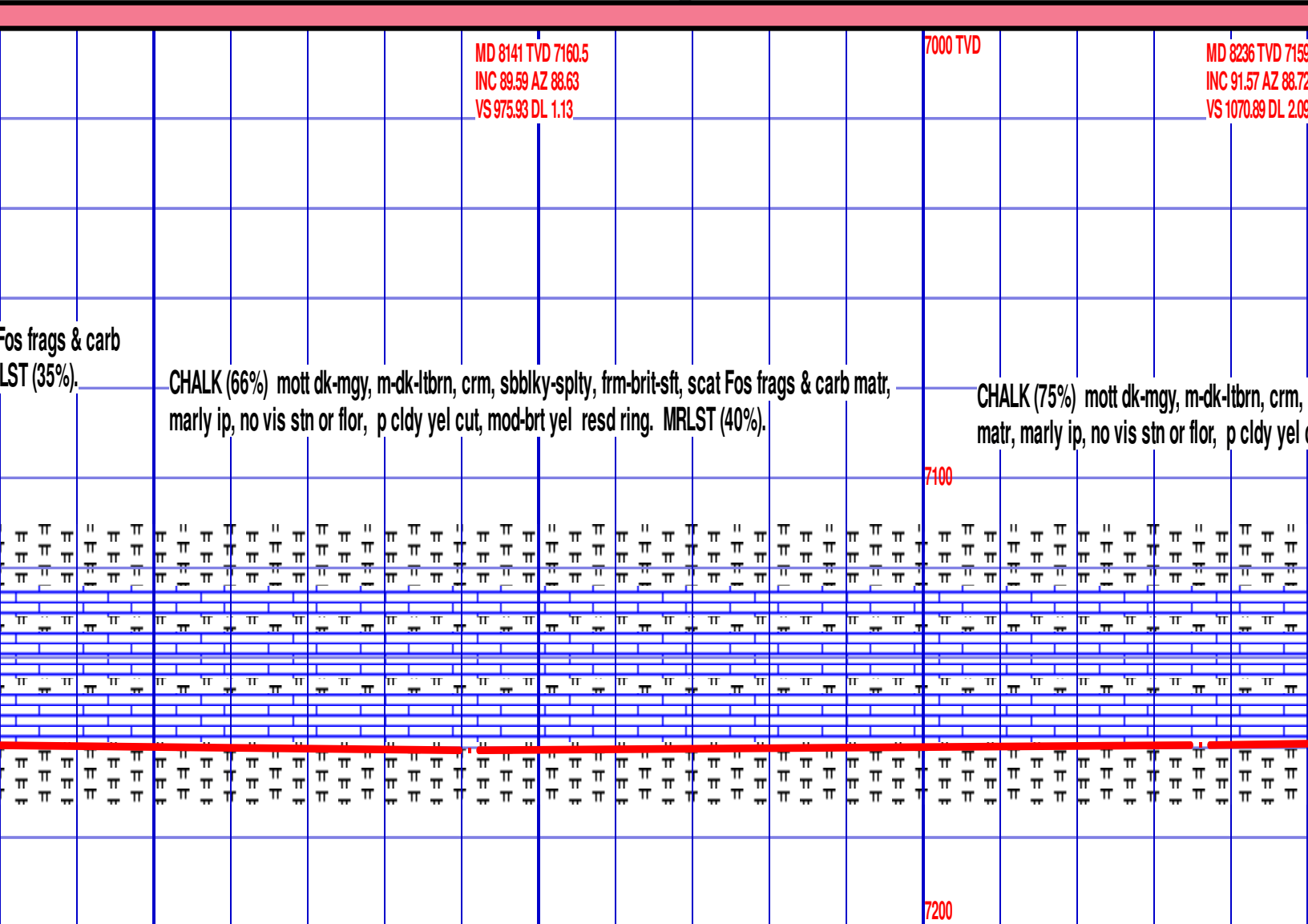
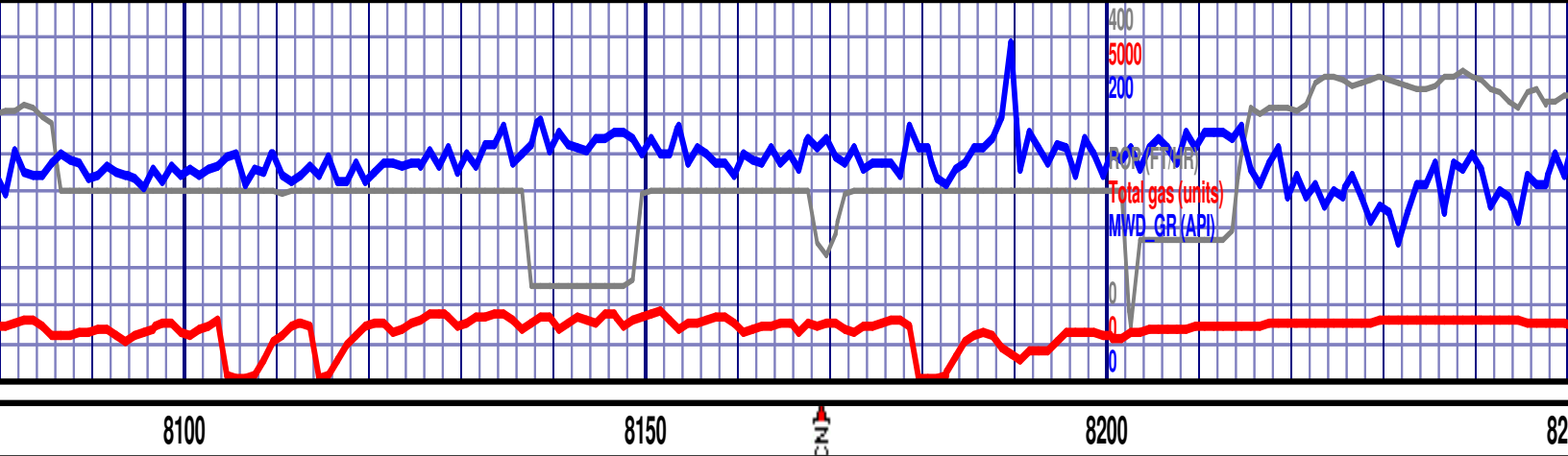
CHALK (65%) mott dk-mgy, m-dk-ltbrn, crm, sbbiky-sply, frm-brit-sft, scat
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MR

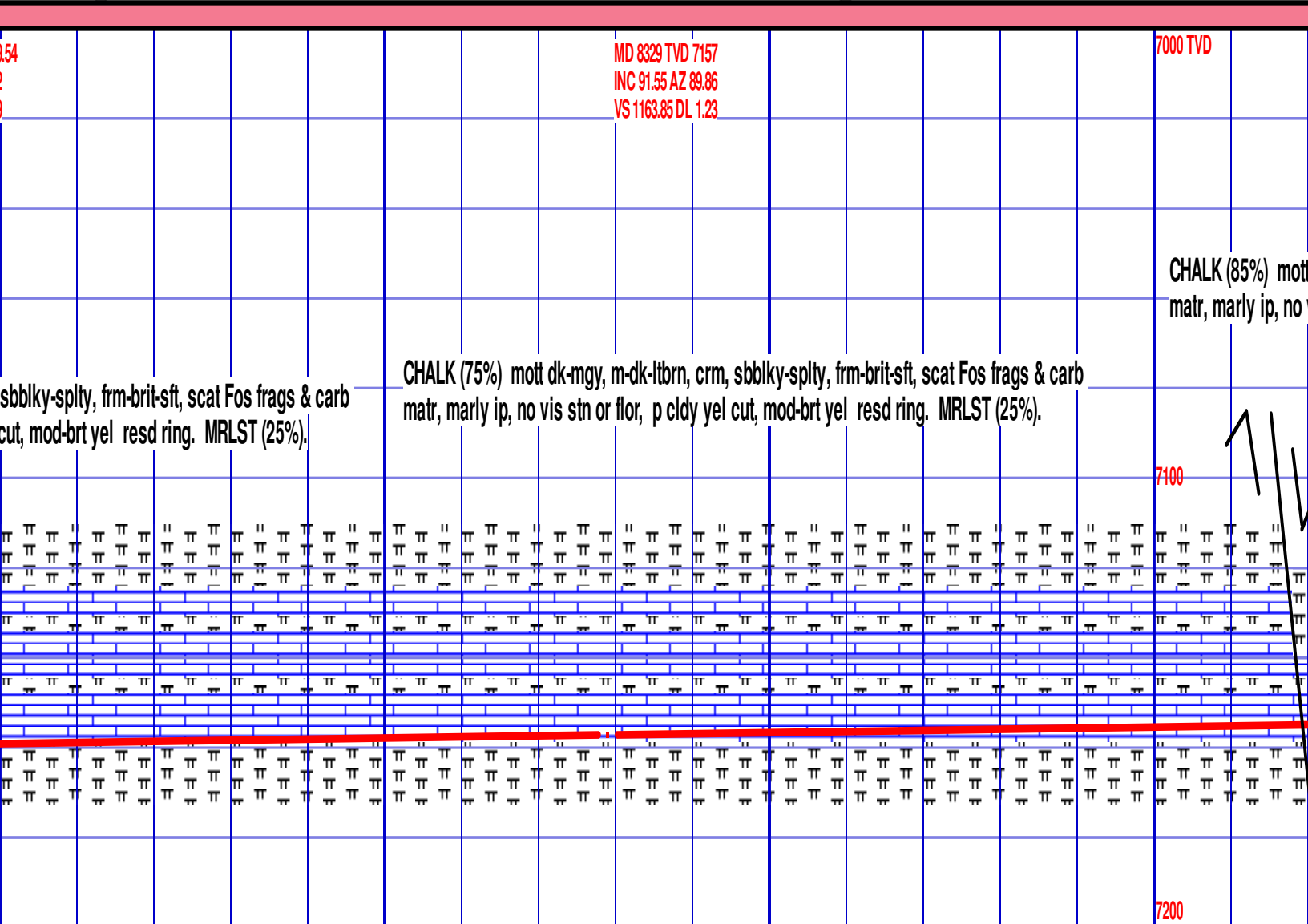


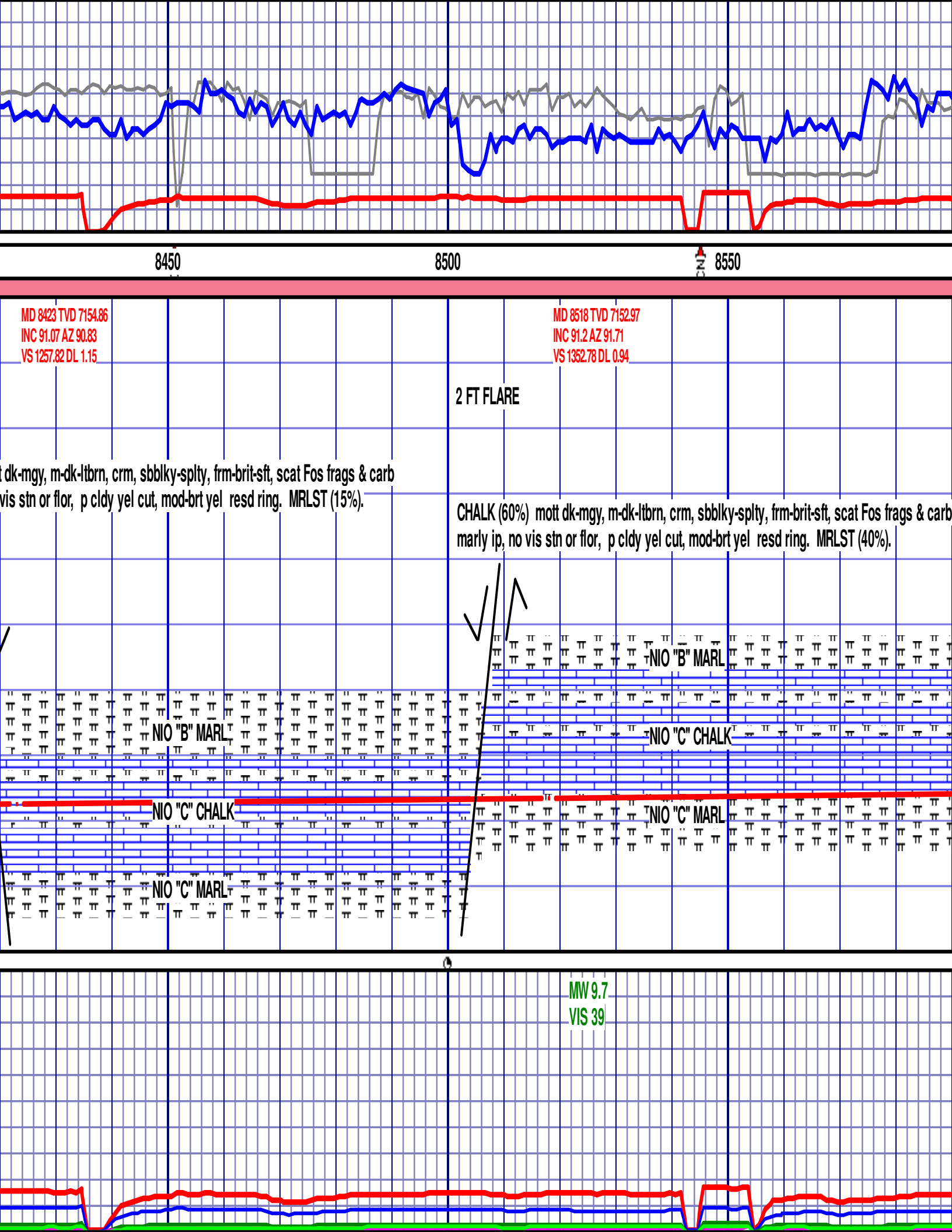
MW 9.7
VIS 40

MW 9.7
VIS 40









8450

8500

8550

MD 8423 TVD 7154.86
INC 91.07 AZ 90.83
VS 1257.82 DL 1.15

MD 8518 TVD 7152.97
INC 91.2 AZ 91.71
VS 1352.78 DL 0.94

2 FT FLARE

mott dk-mgy, m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb
vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (15%).

CHALK (60%) mott dk-mgy, m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb
marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (40%).

NIO "B" MARL

NIO "B" MARL

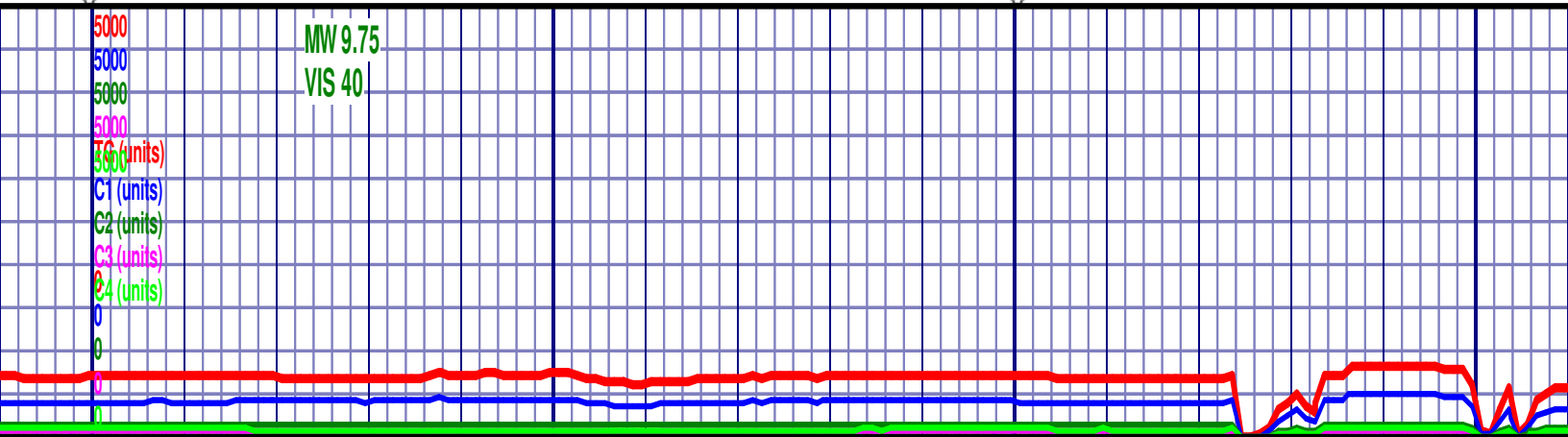
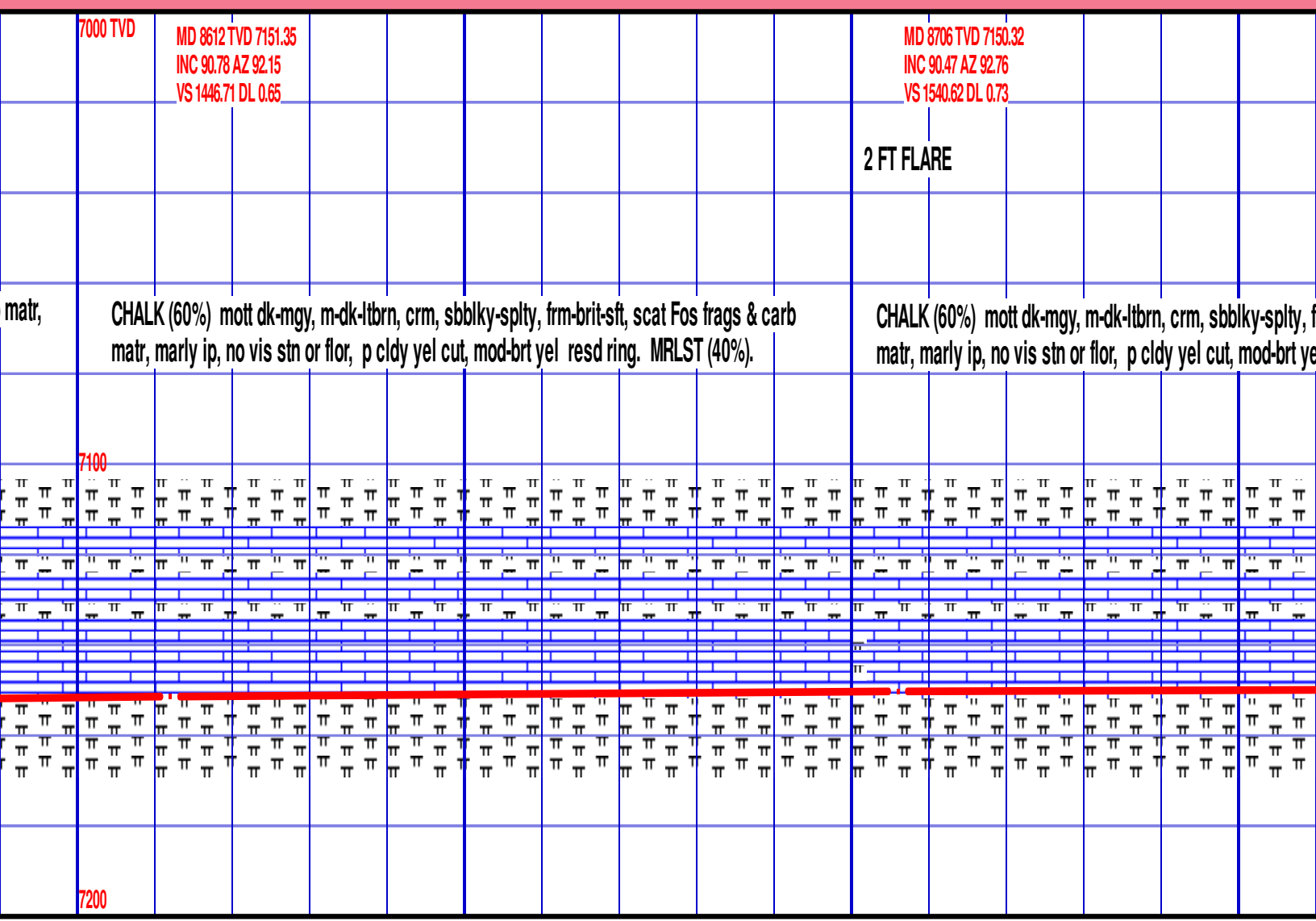
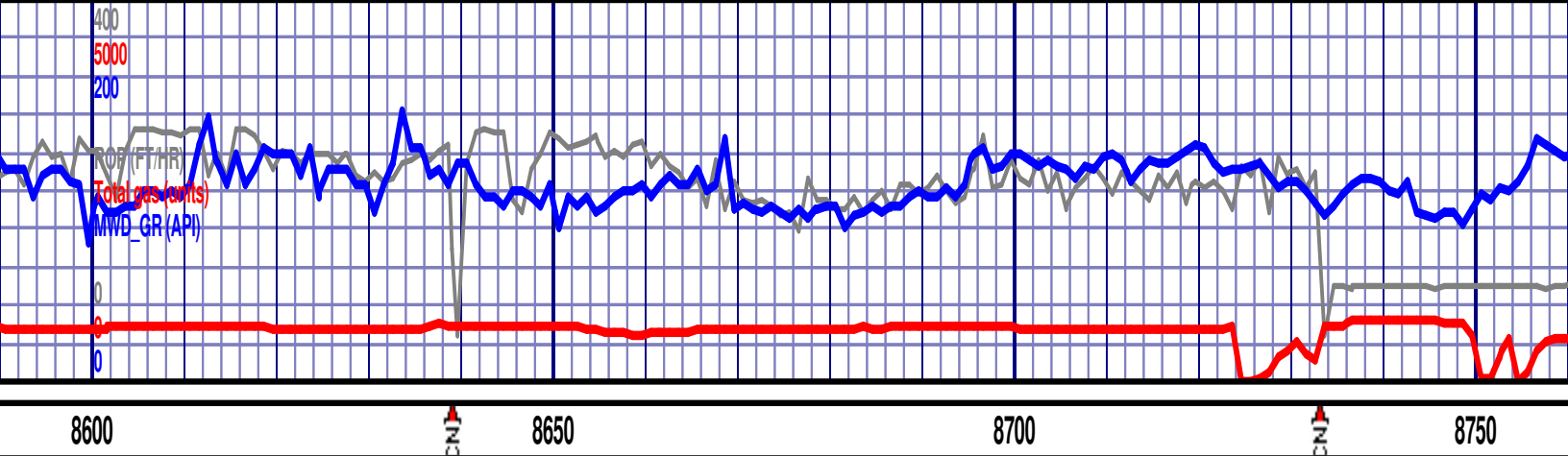
NIO "C" CHALK

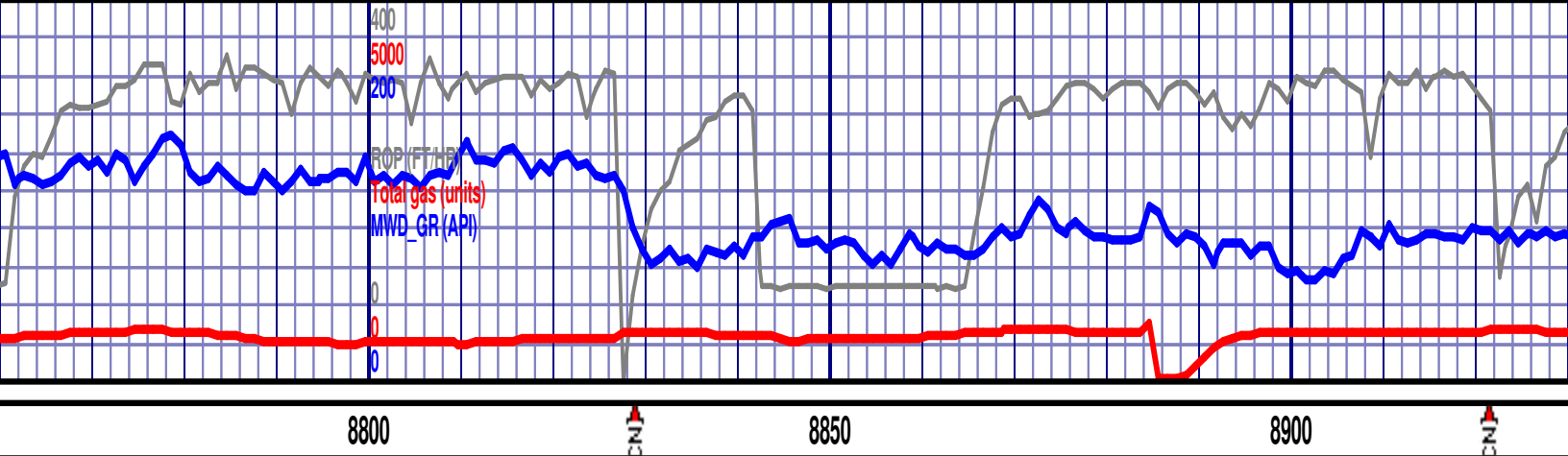
NIO "C" CHALK

NIO "C" MARL

NIO "C" MARL

MW 9.7
VIS 39





MD 8800 TVD 7149.59
INC 90.43 AZ 93.11
VS 1634.49 DL 0.37

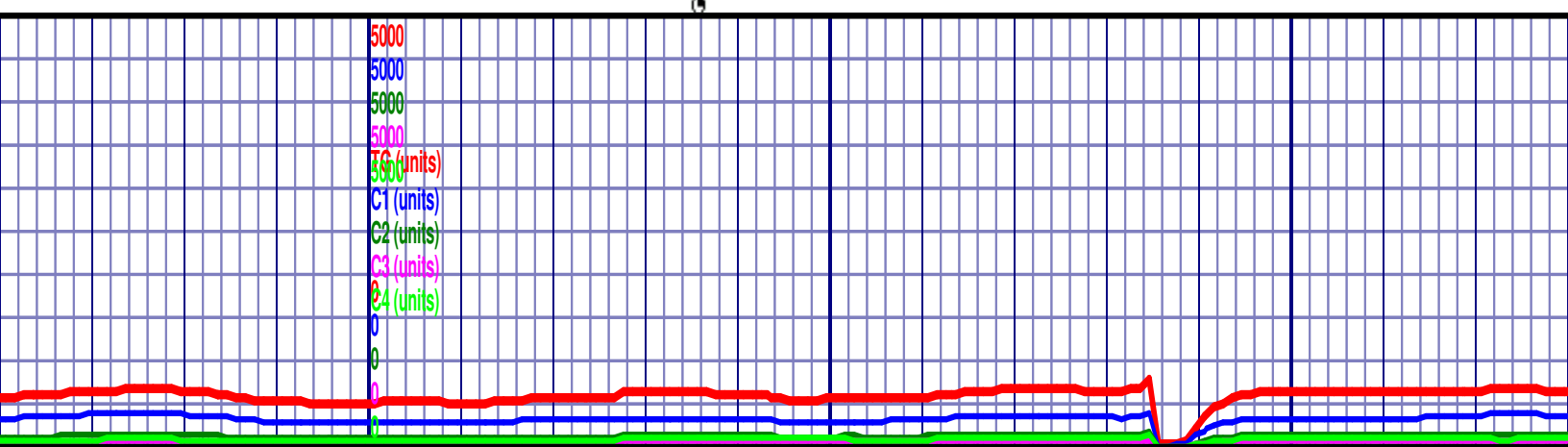
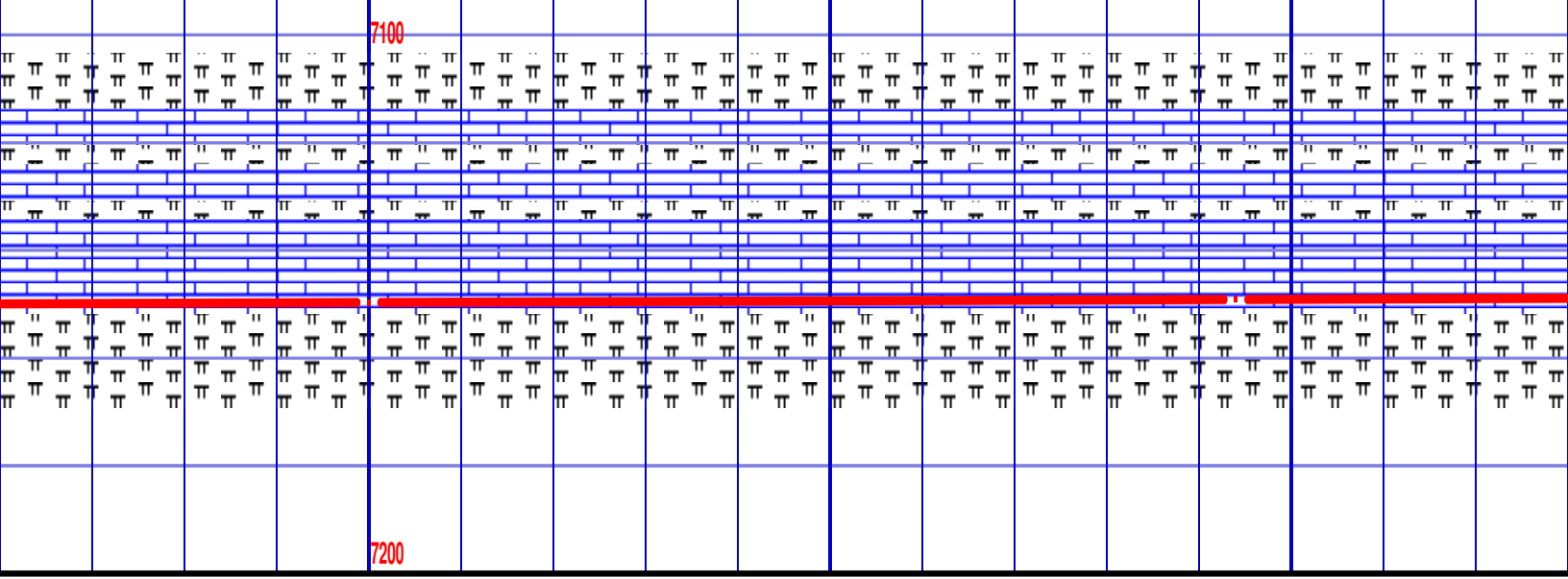
MD 8894 TVD 7149.08
INC 90.19 AZ 93.47
VS 1728.34 DL 0.46

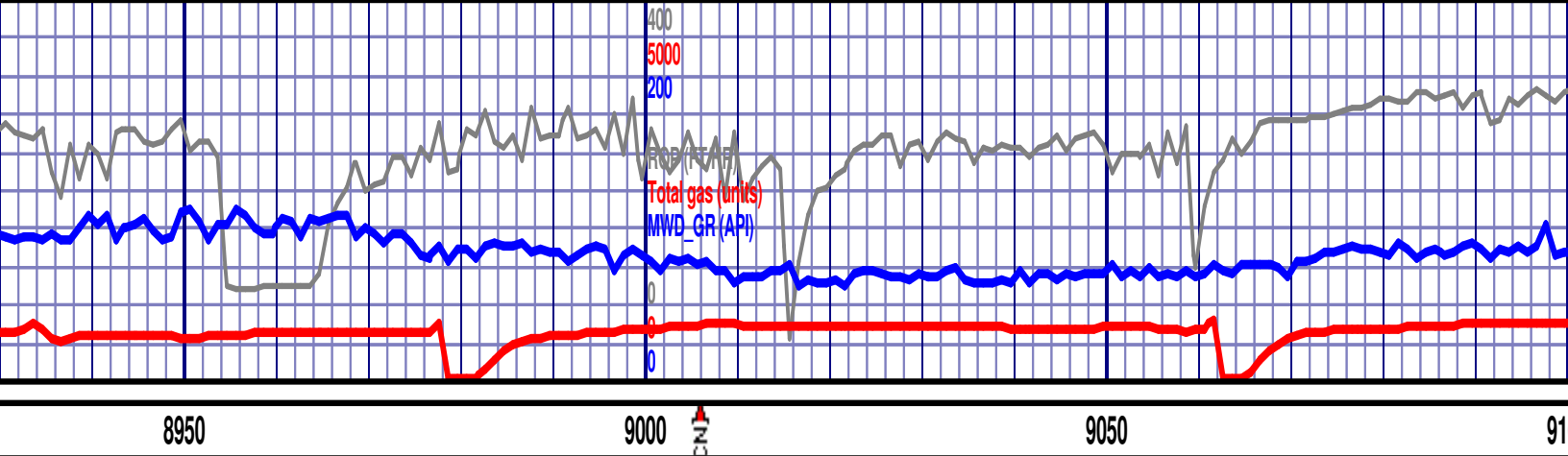
2 FT FLARE

firm-brit-sft, scat Fos frags & carb
el resd ring. MRLST (40%).

CHALK (60%) mott dk-mgy, m-dk-lbrn, crm, sbbiky-splty, frm-brit-sft, scat Fos frags & carb matr,
marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (40%).

CHALK (75%) mott dk-mgy, m
marly ip, no vis stn or flor, p



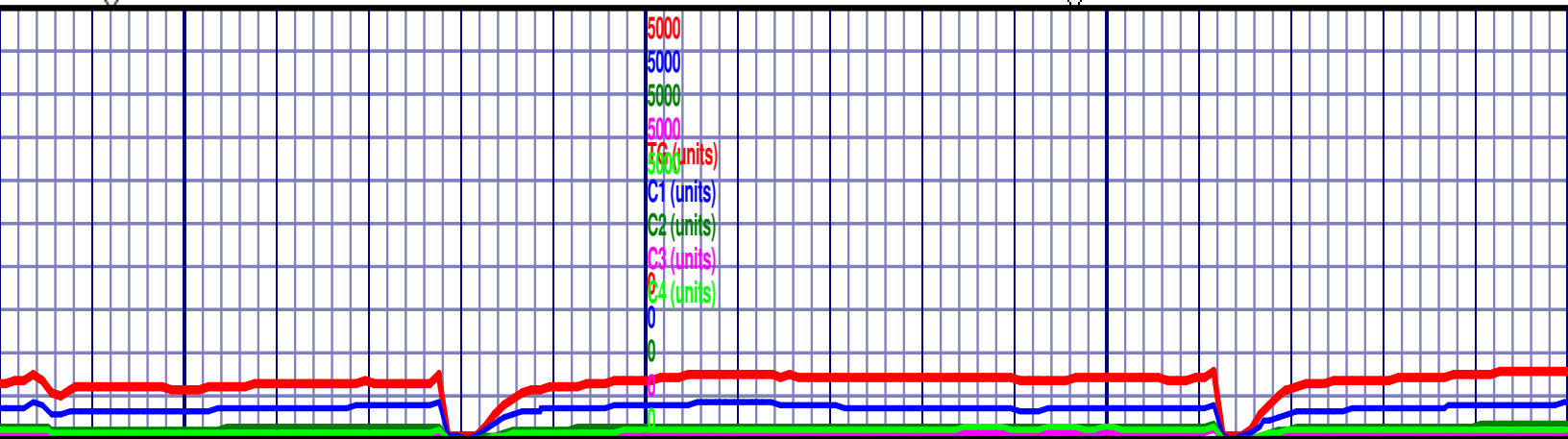
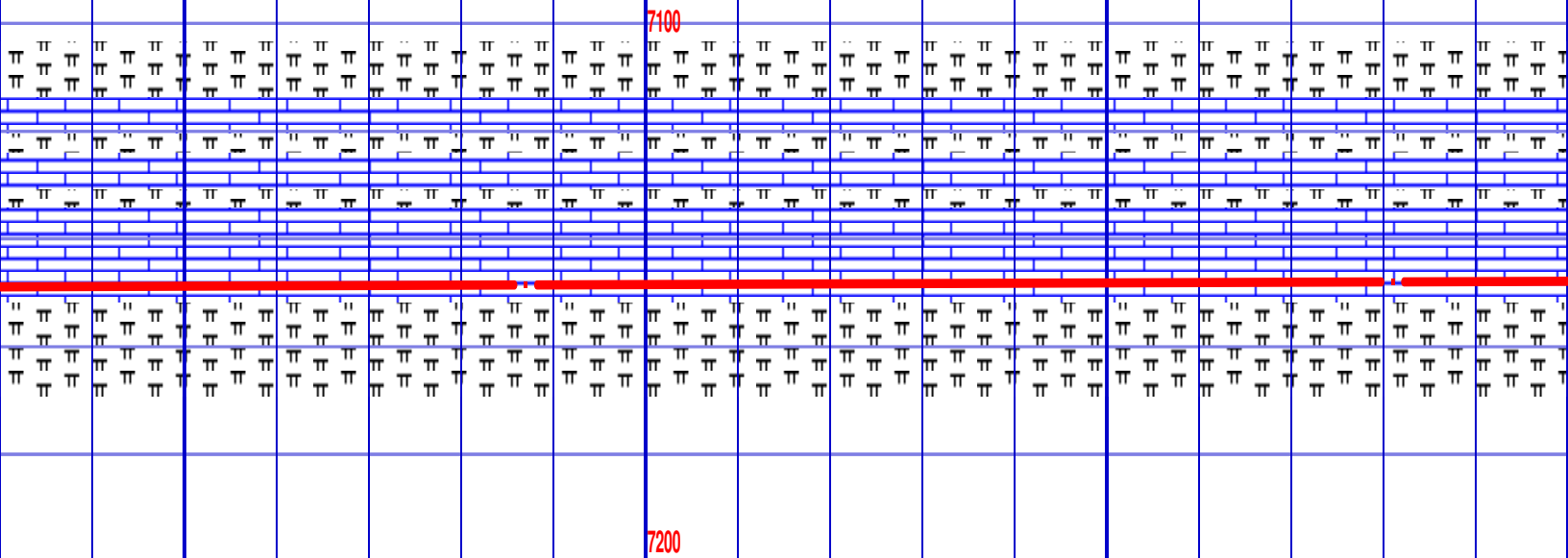


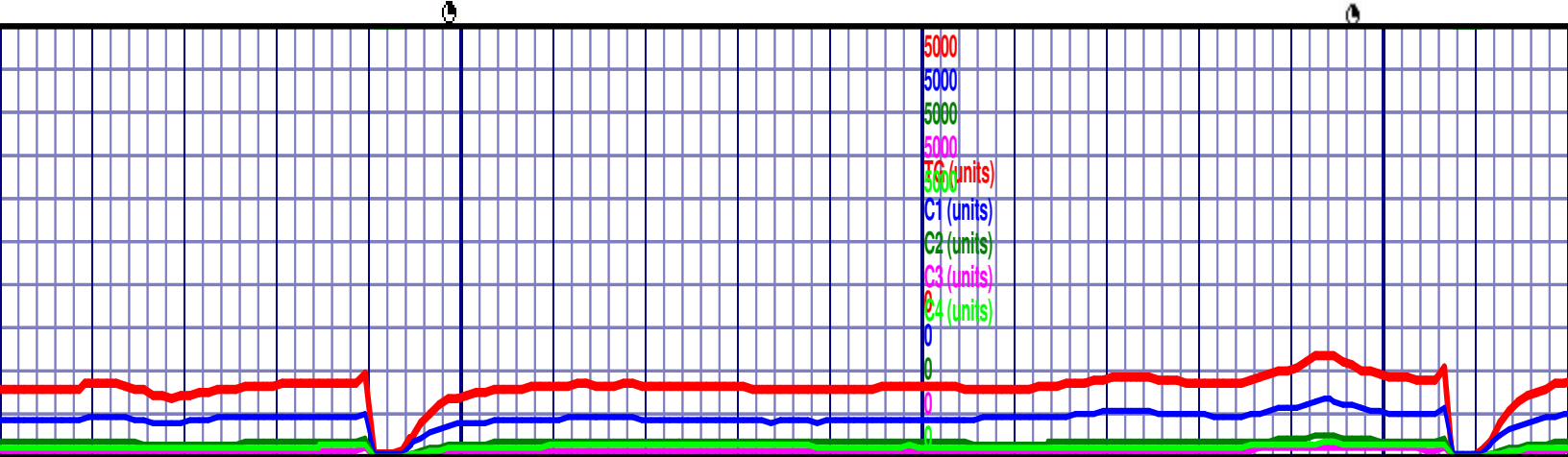
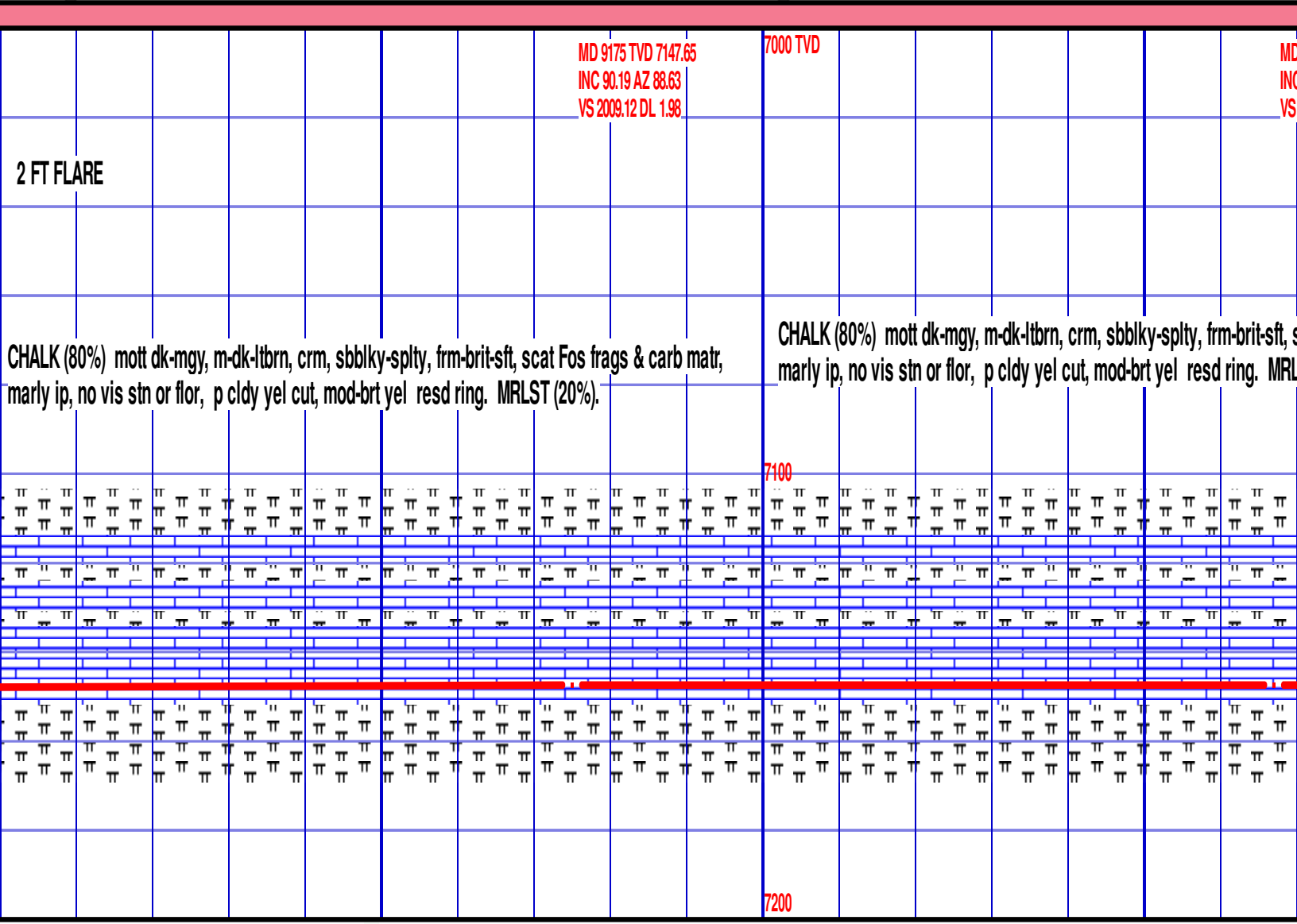
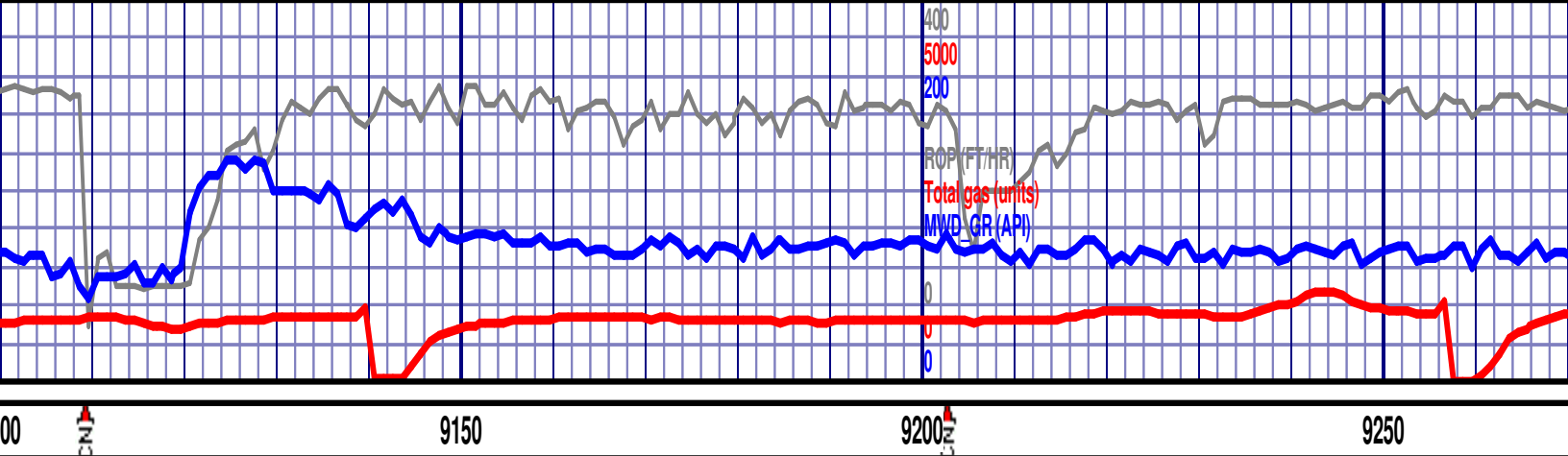
MD 8987 TVD 7148.68
INC 90.3 AZ 93.11
VS 1821.18 DL 0.4

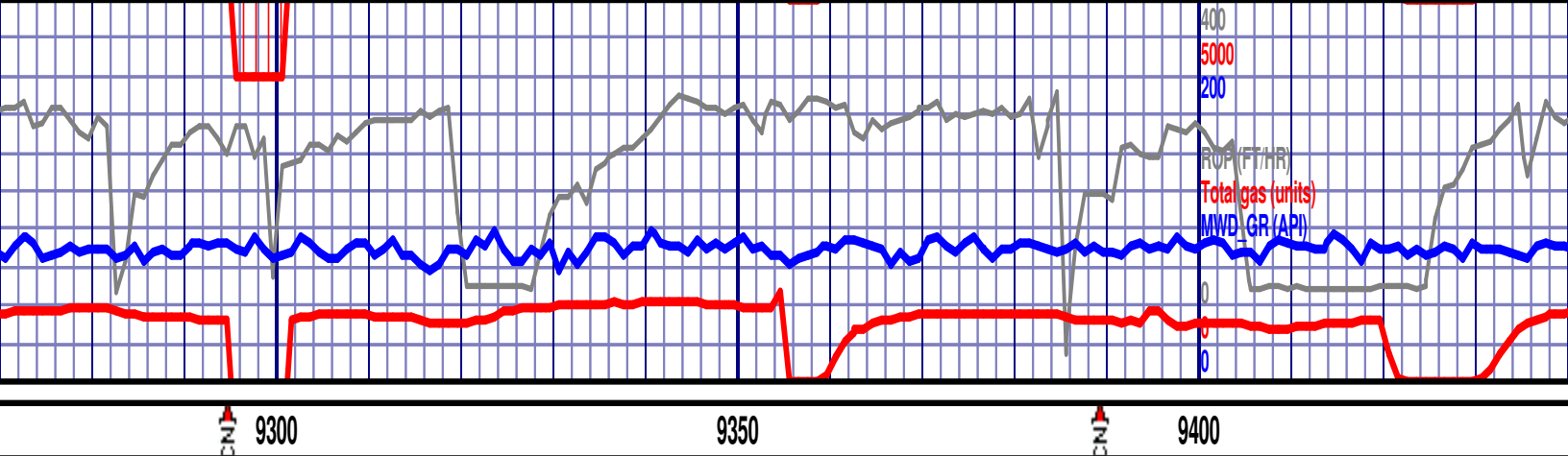
MD 9081 TVD 7148.12
INC 90.38 AZ 90.48
VS 1915.13 DL 2.8

dk-ltbrn, crm, sbbky-sply, frm-brit-sft, scat Fos frags & carb matr,
cldy yel cut, mod-brt yel resd ring. MRLST (25%).

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbky-sply, frm-brit-sft, scat Fos frags & carb matr,
marly ip, no vis stn or flr, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).







9267 TVD 7147.33
C 90.21 AZ 86.96
2101.05 DL 1.82

MD 9362 TVD 7146.88
INC 90.34 AZ 85.47
VS 2195.84 DL 1.57

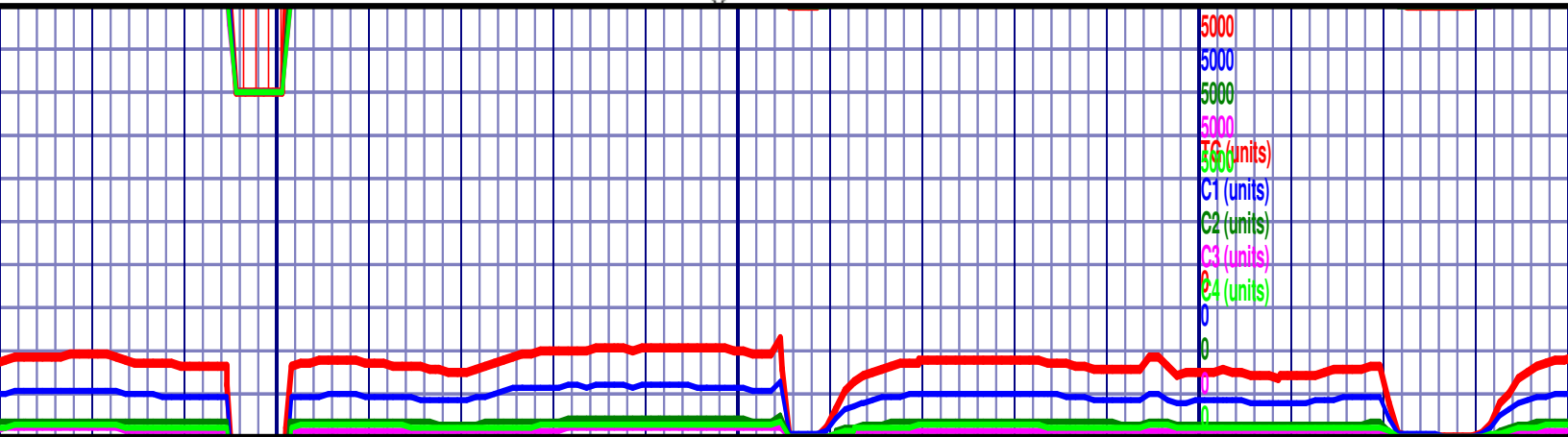
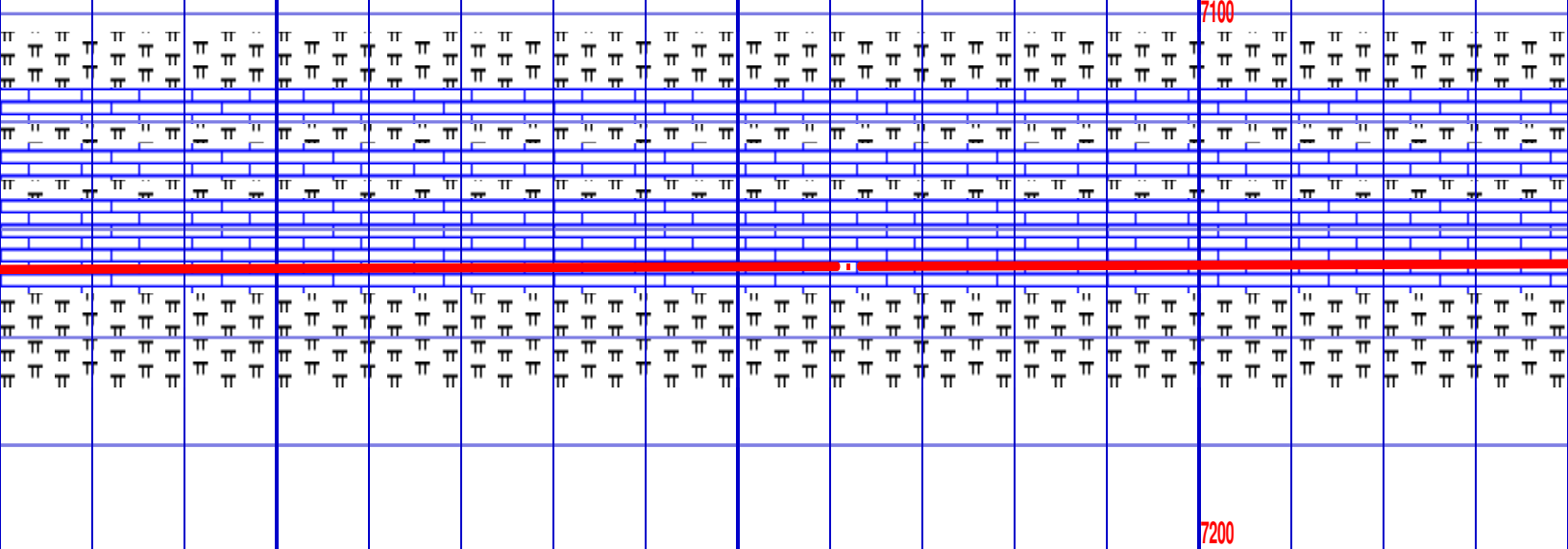
7000 TVD

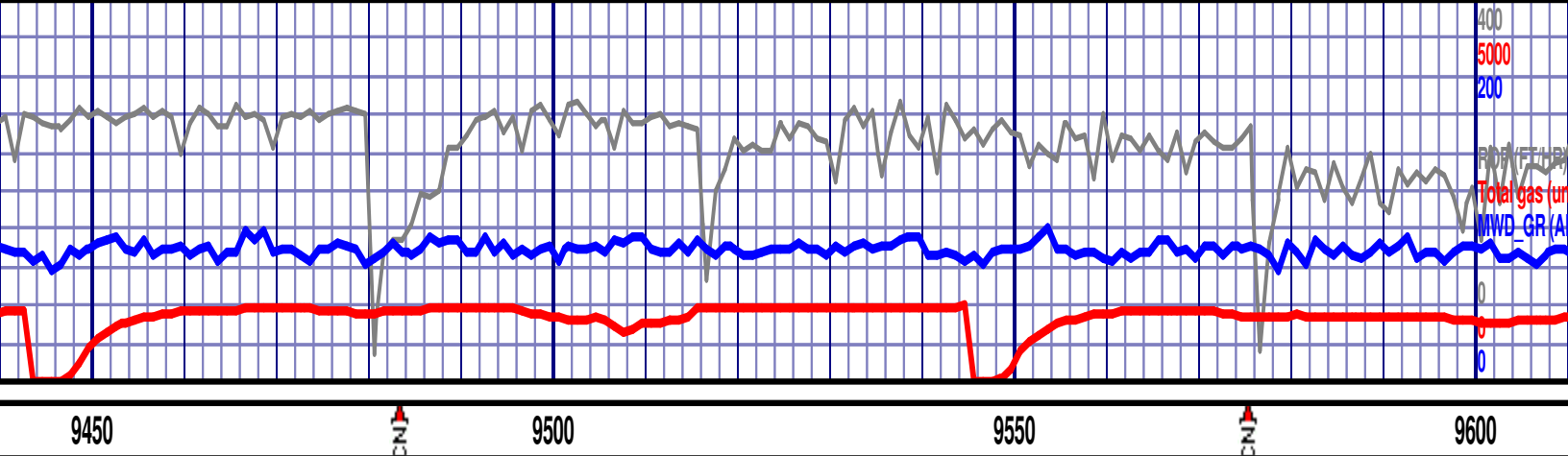
2 FT FLARE

scat Fos frags & carb matr,
ST (20%).

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbblky-sply, frm-brit-sft, scat Fos frags & carb matr,
marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

CHALK (80%) mott dk-mgy, m-dk-ltbrn, cr
marly ip, no vis stn or flor, p cldy yel cu





MD 9456 TVD 7146.38
INC 90.27 AZ 84.68
VS 2289.49 DL 0.84

MD 9548 TVD 7145.74
INC 90.52 AZ 85.73
VS 2381.16 DL 1.17

7000 TVD

2 FT FLARE

rm, sbbiky-sply, frm-brit-sft, scat Fos frags & carb matr,
t, mod-brt yel resd ring. MRLST (20%).

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbiky-sply, frm-brit-sft, scat Fos frags & carb matr,
marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

CHALK (80%)
marly ip,

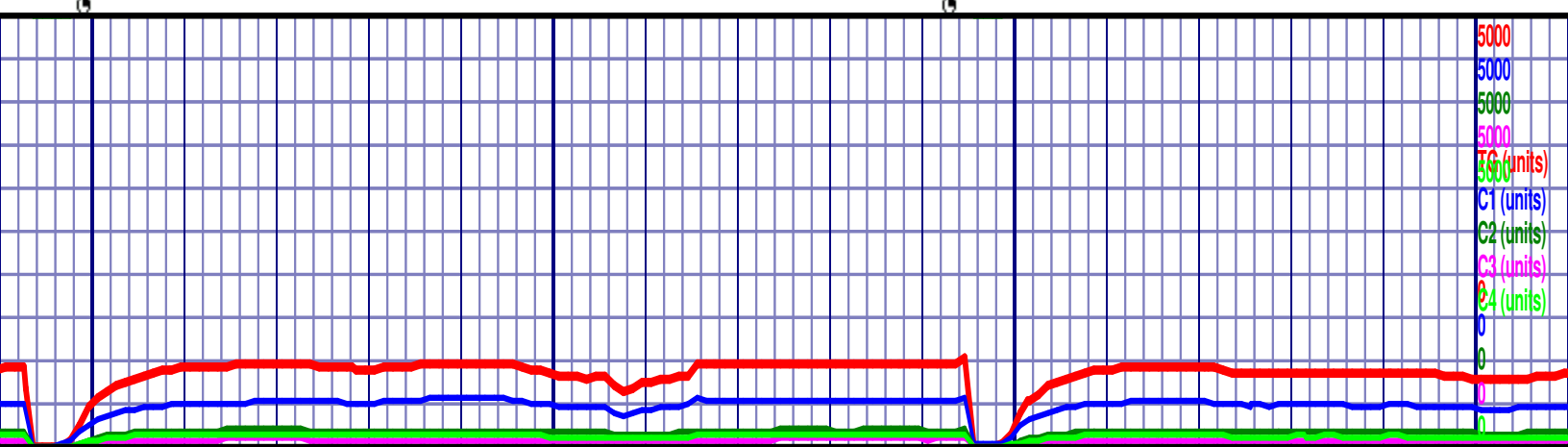
NO "B" MARL

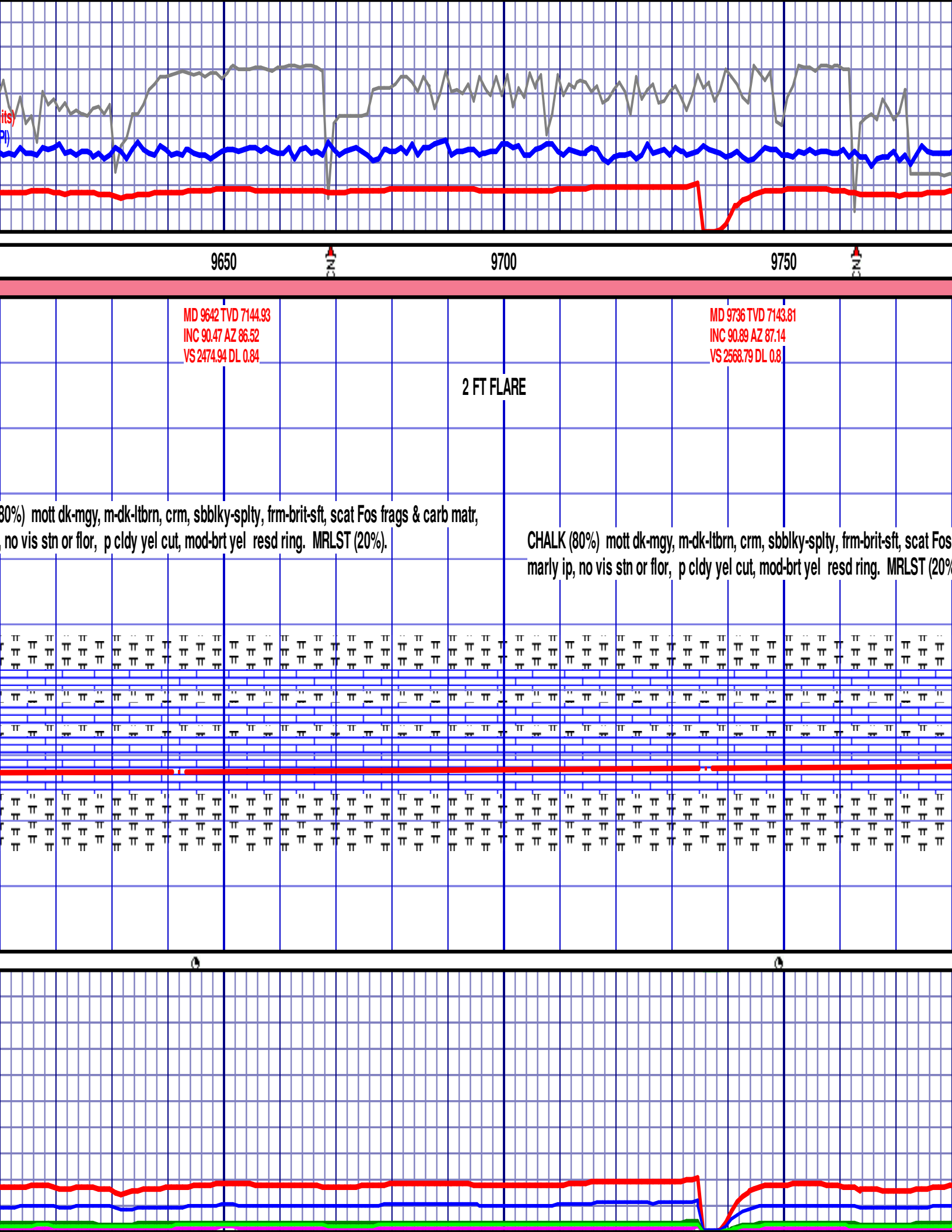
NO "C" CHALK

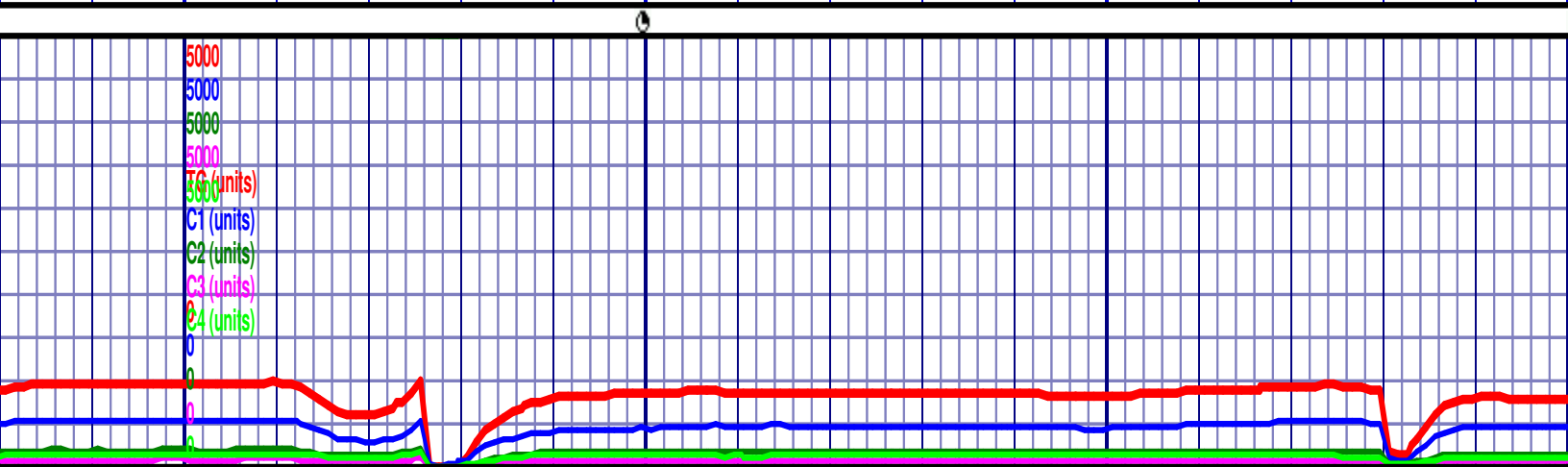
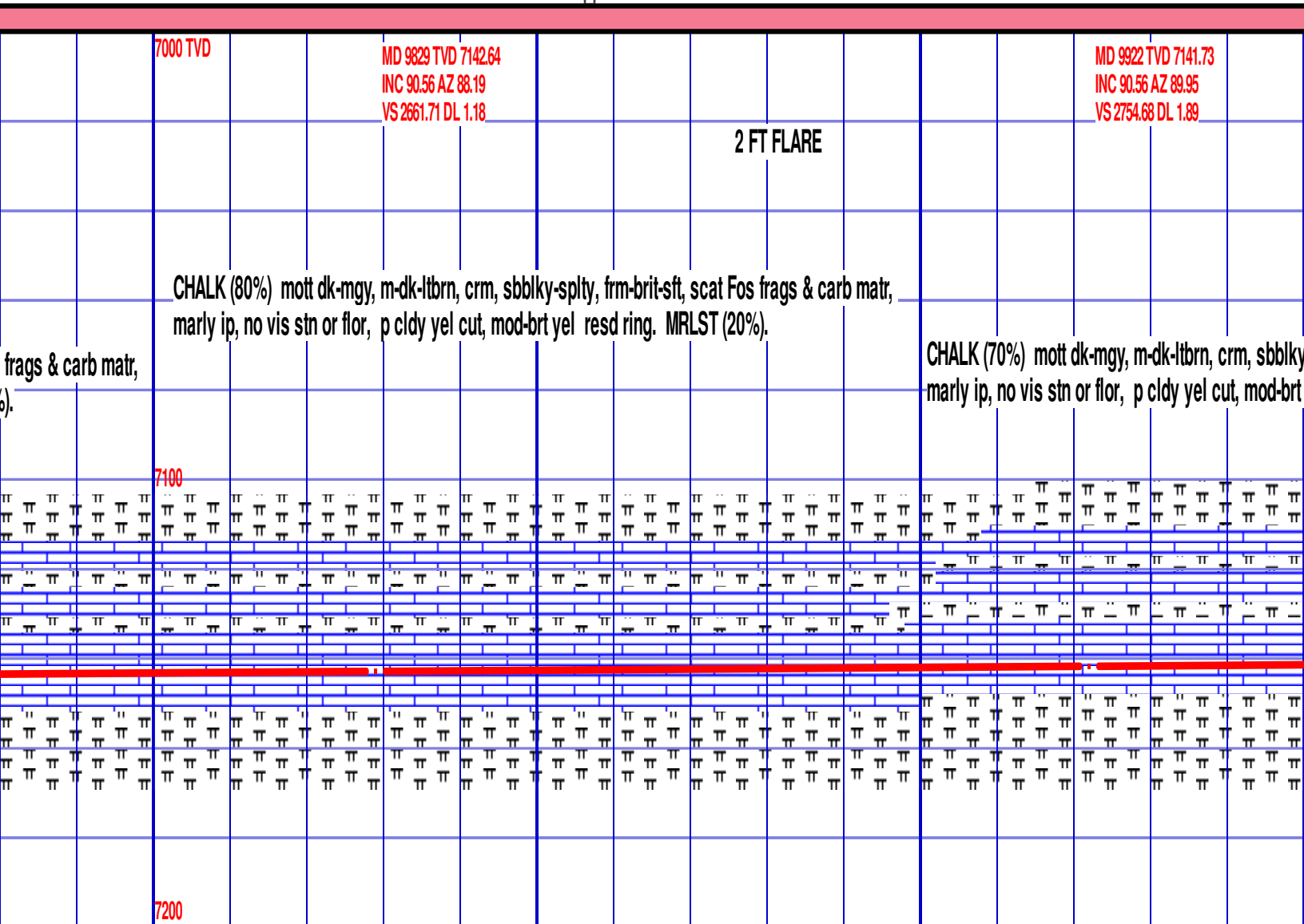
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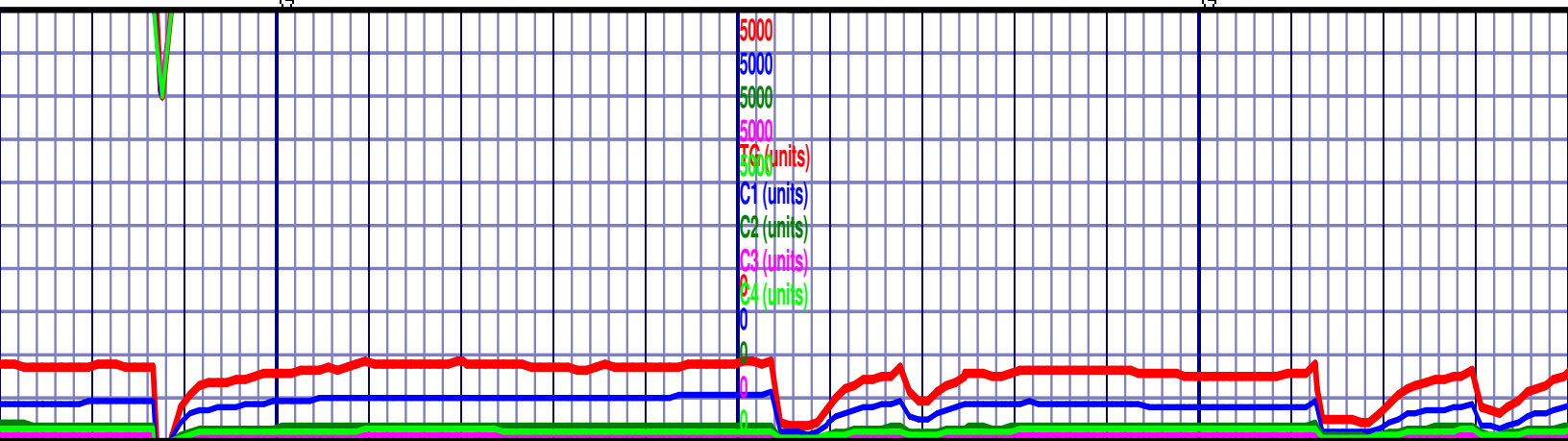
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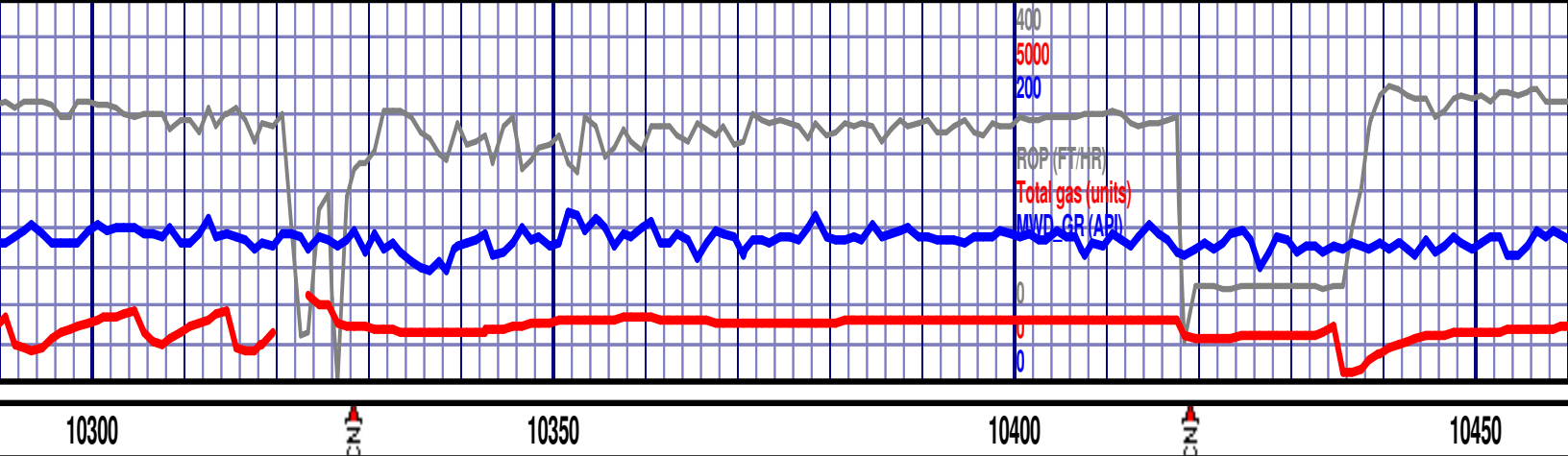
7200











MD 10296 TVD 7135.85
INC 90.91 AZ 90.21
VS 3128.63 DL 0.22

MD 10390 TVD 7134.62
INC 90.58 AZ 88.98
VS 3222.61 DL 1.35

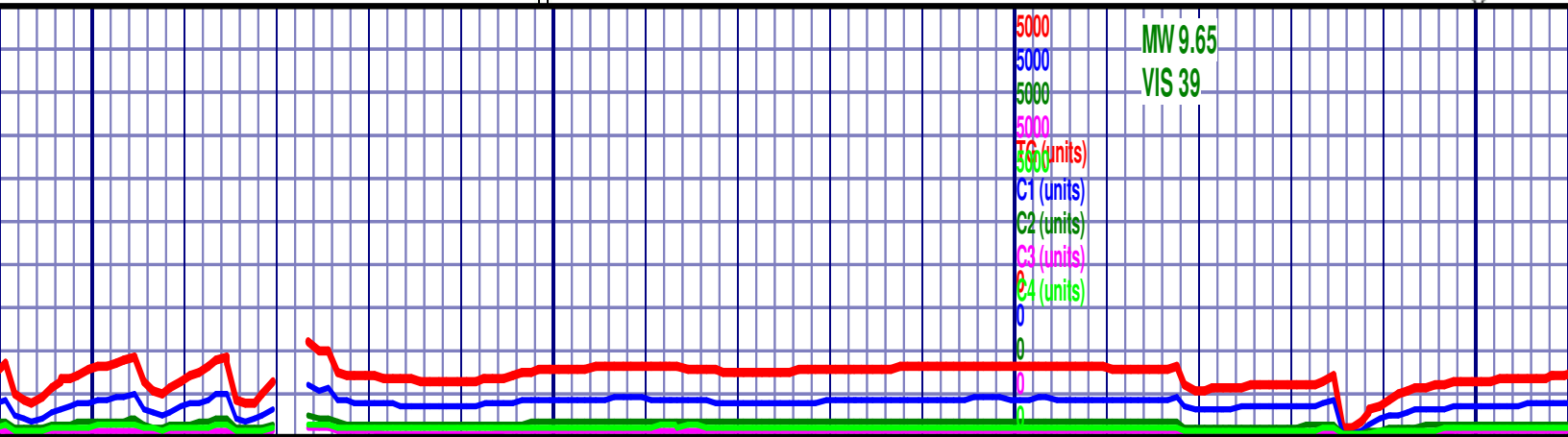
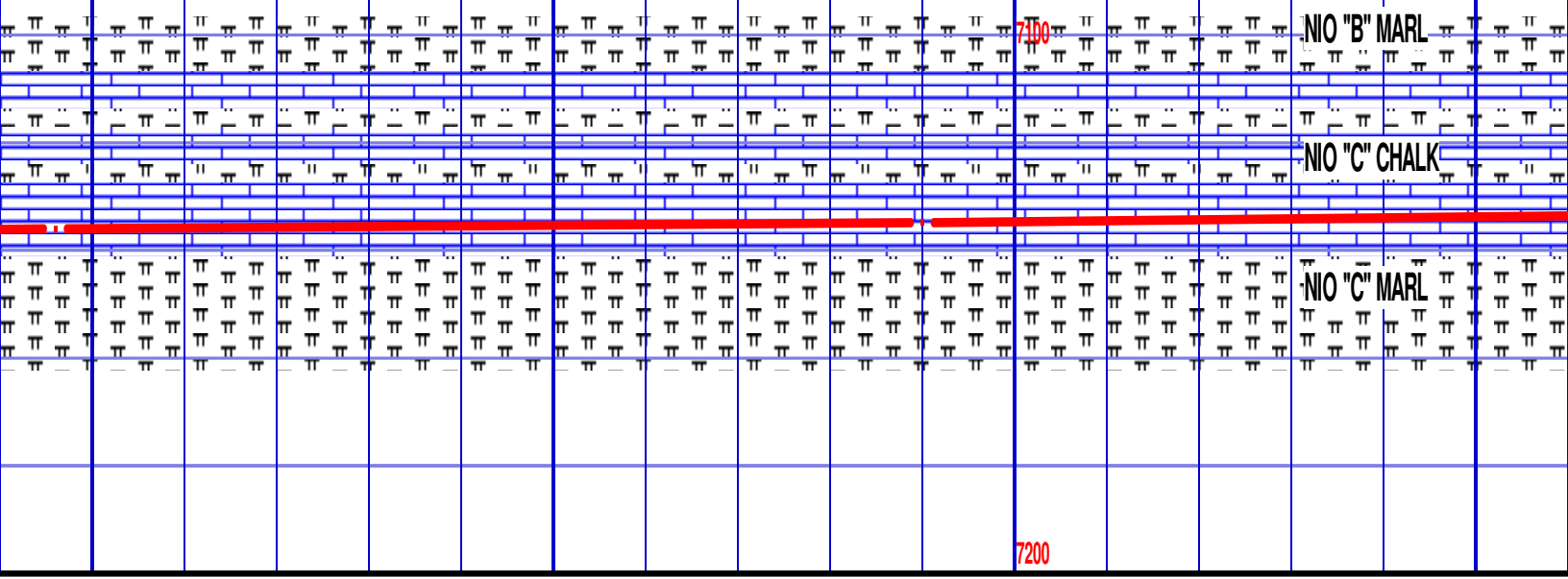
2 FT FLARE

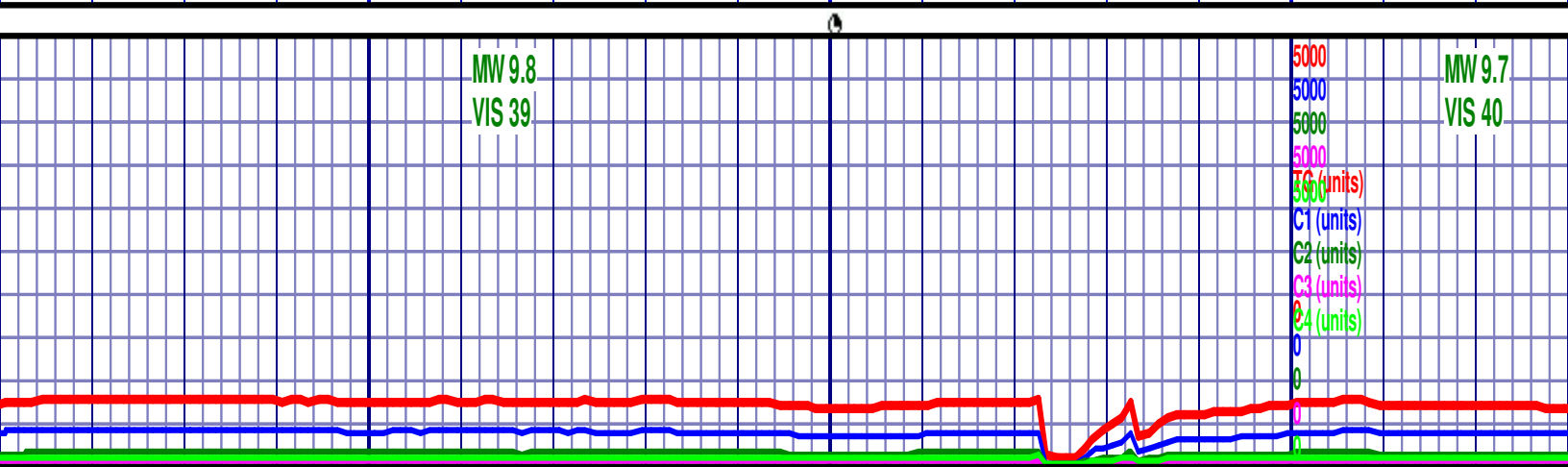
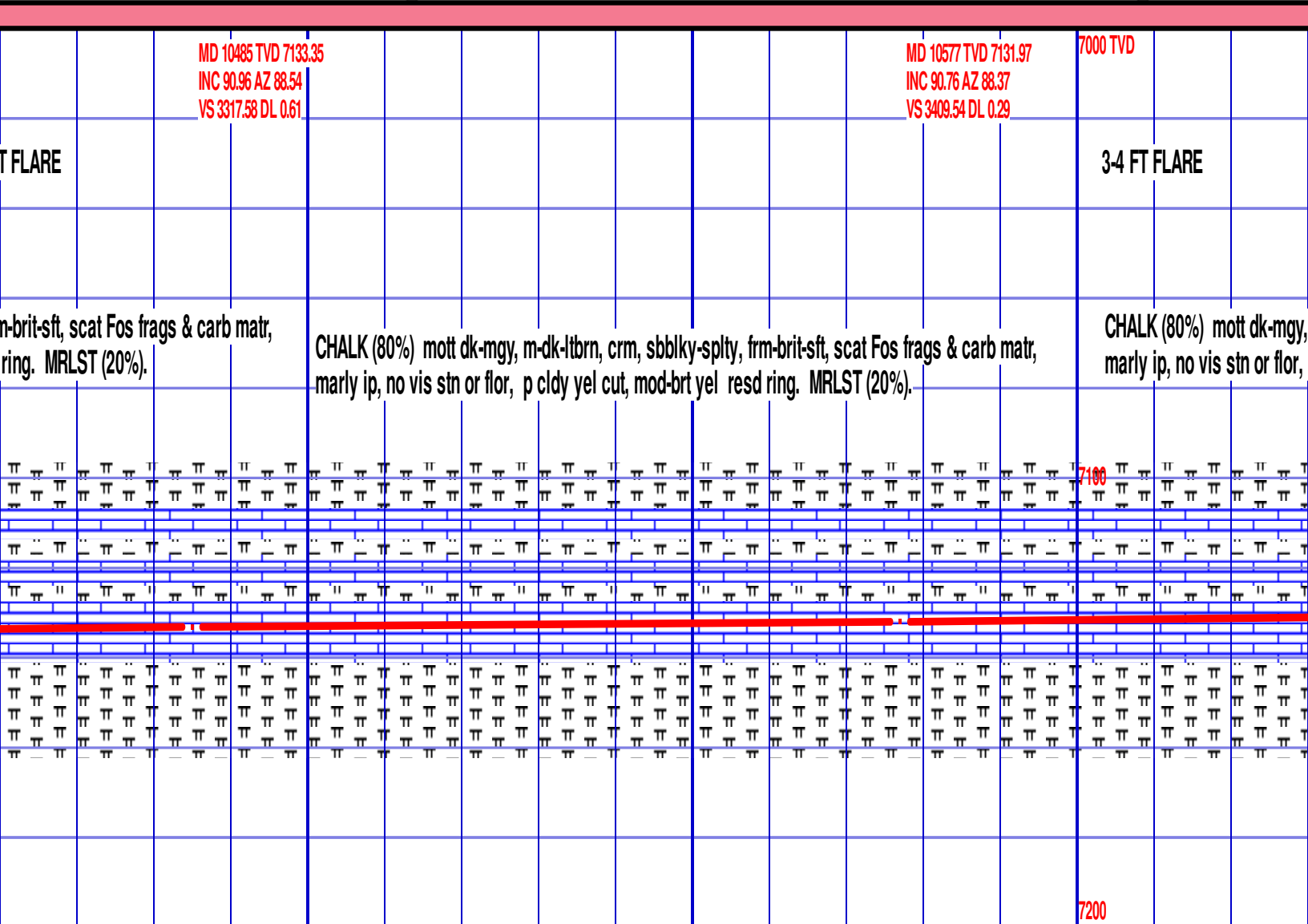
3-4 F

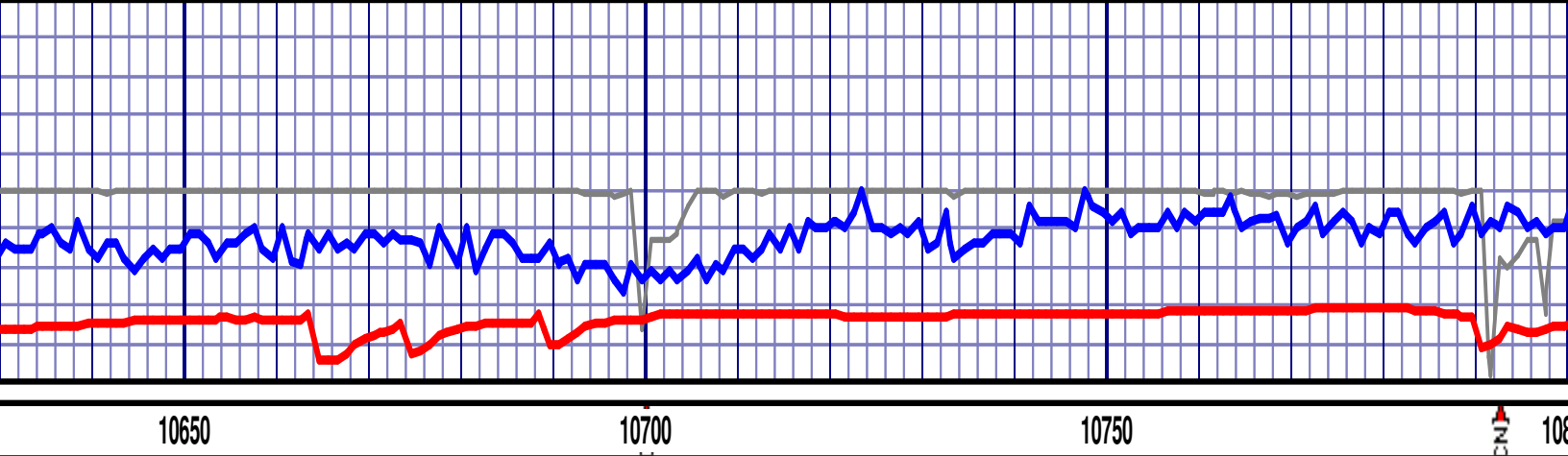
matr,

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbkly-sply, frm-brit-sft, scat Fos frags & carb matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbkly-sply, frm-brit-sft, scat Fos frags & carb matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).





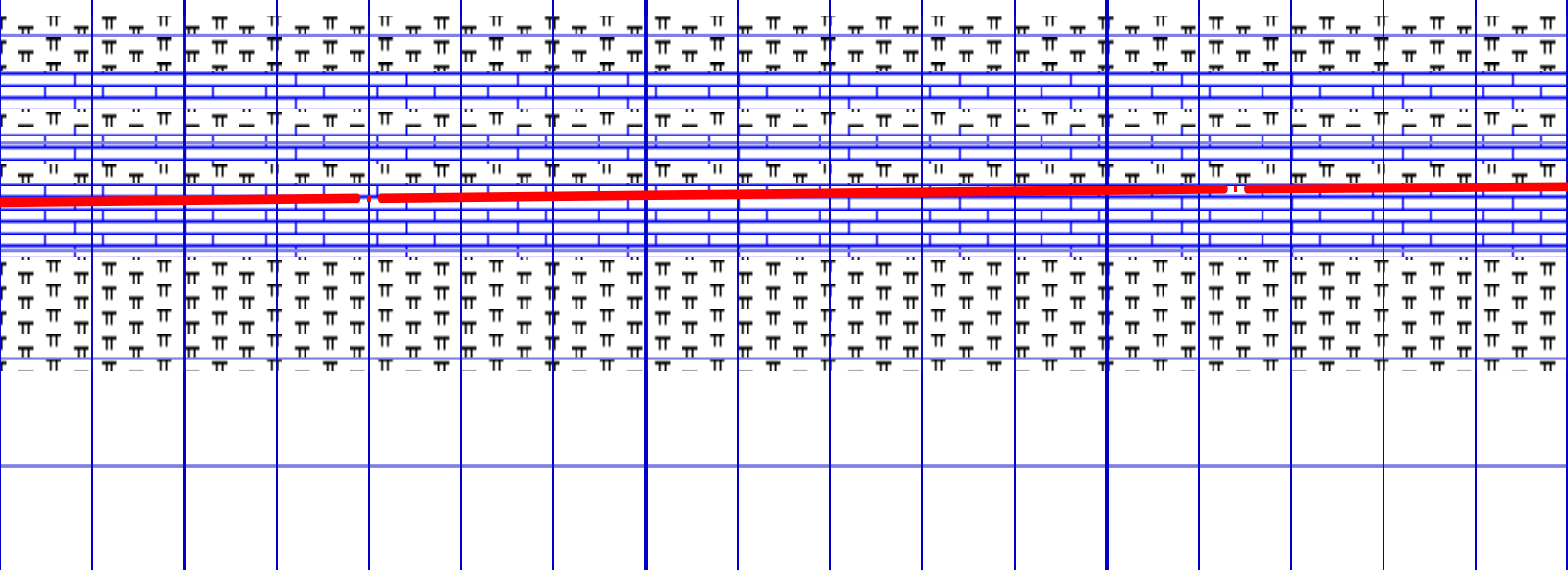


MD 10670 TVD 7130.48
INC 91.07 AZ 88.81
VS 3502.5 DL 0.58

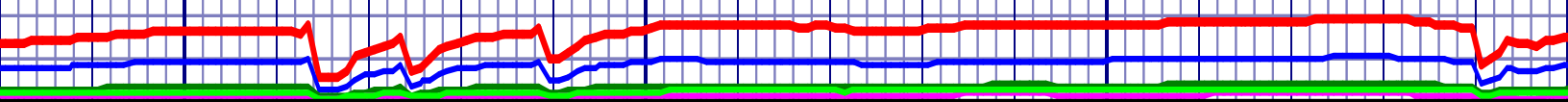
MD 10764 TVD 7128.82
INC 90.96 AZ 88.98
VS 3596.47 DL 0.22

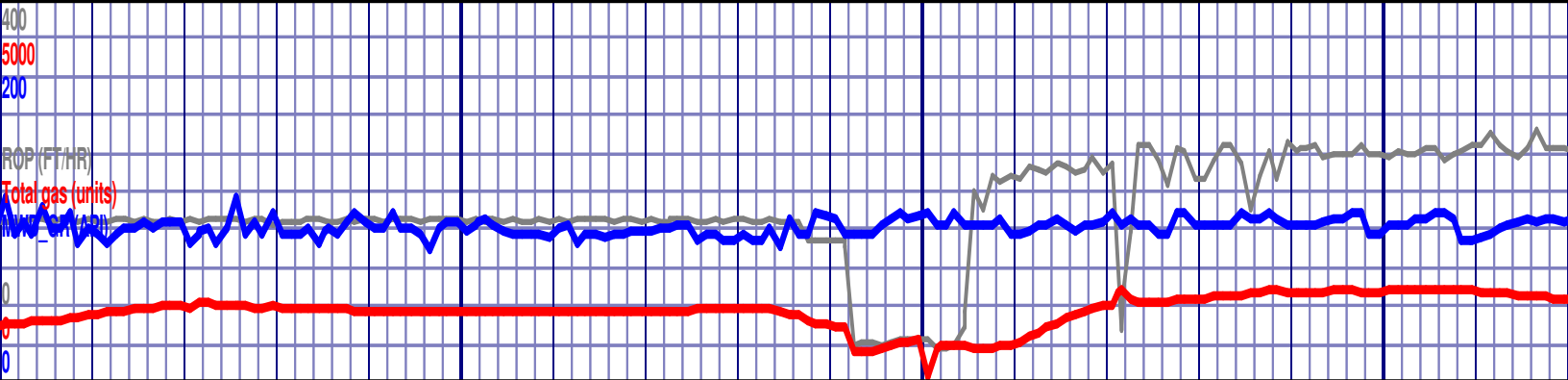
m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb matr,
p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

CHALK (85%) mott dk-mgy, m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flr, p cldy yel cut, mod-brt yel resd ring. MRLST (15%).



MW 9.8
VIS 40





300 10850 10900 10950

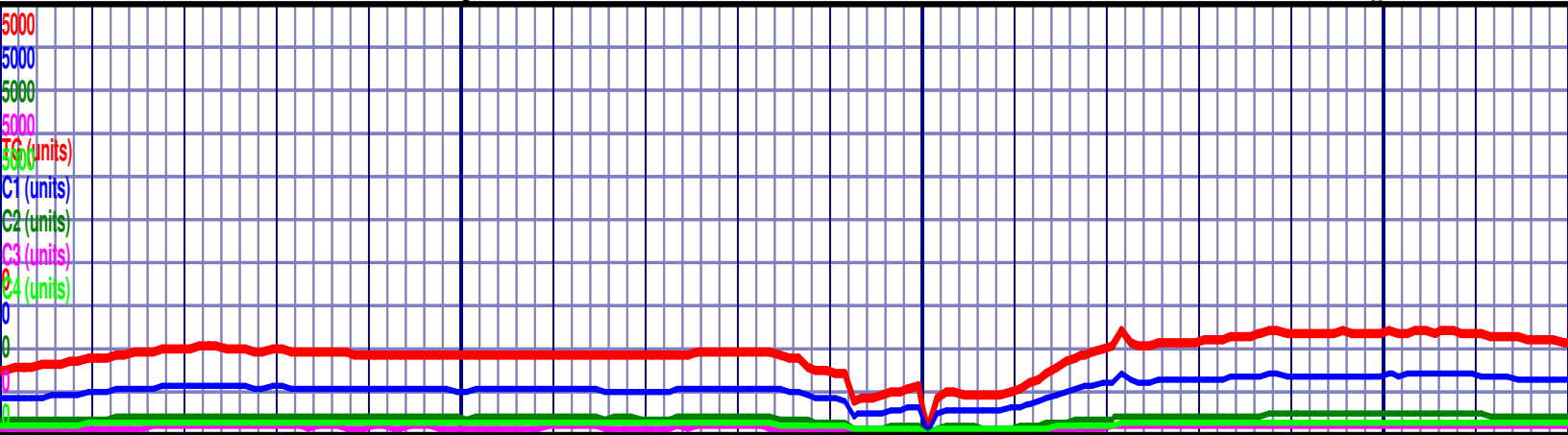
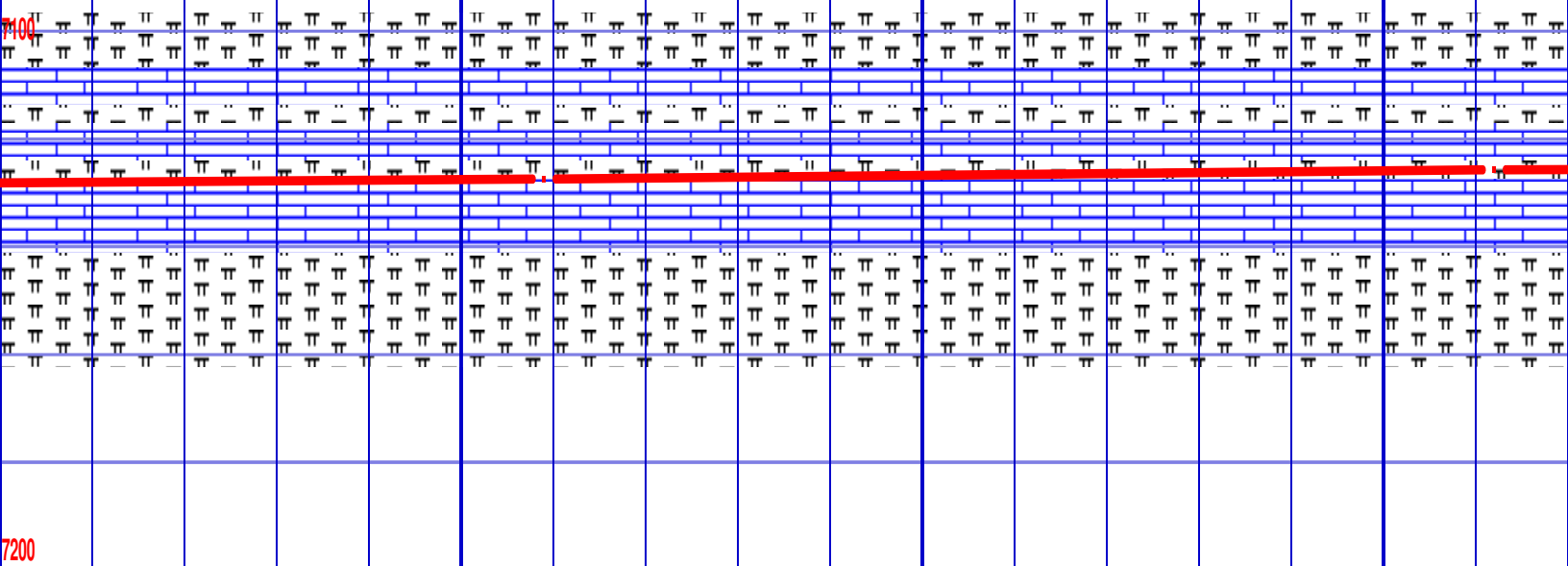
7000 TVD MD 10859 TVD 7127.37 TOOH for new BHA MD 10962
INC 90.78 AZ 87.93 INC 91.26
VS 3691.42 DL 1.12 VS 3794.3

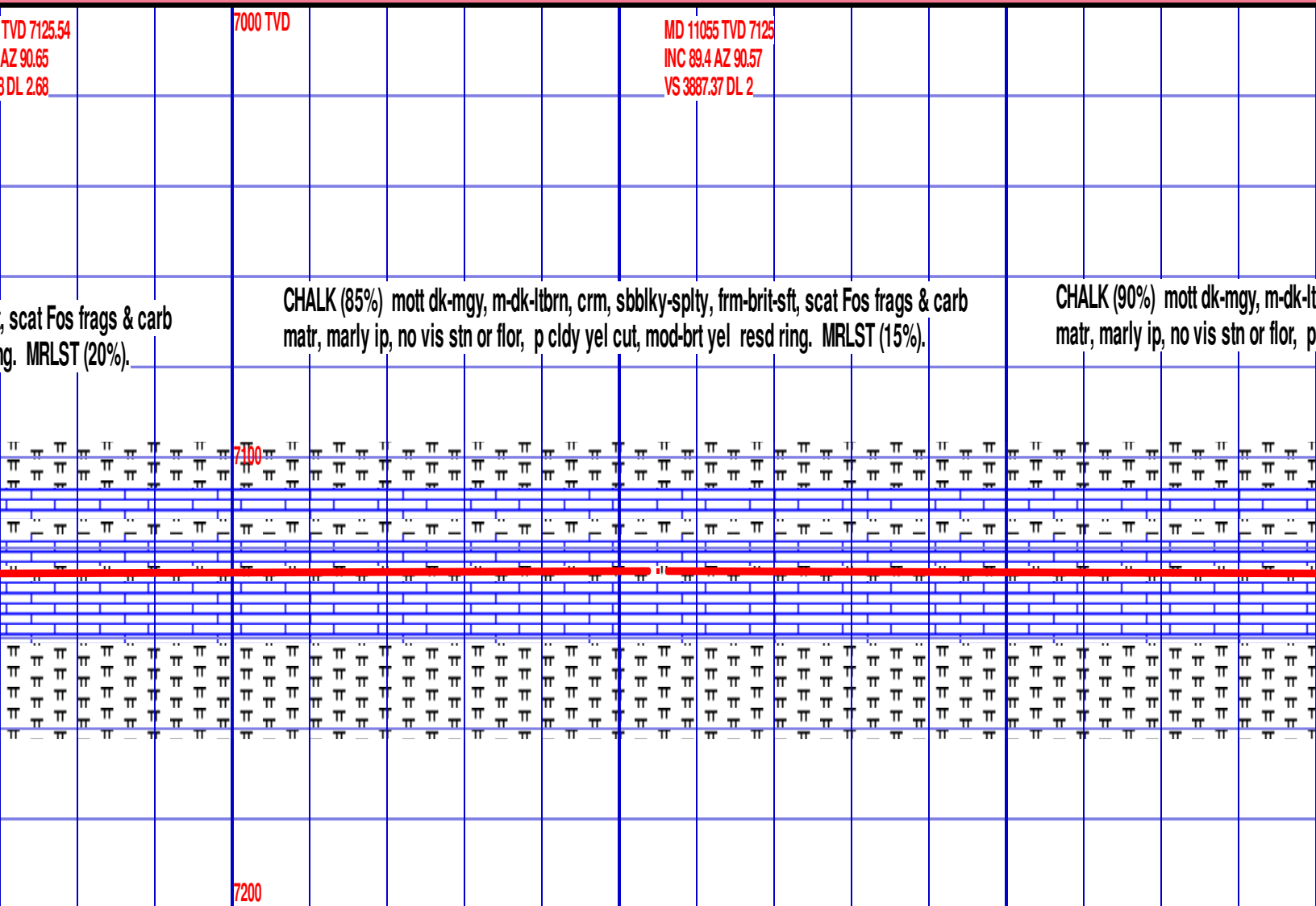
3-4 FT FLARE

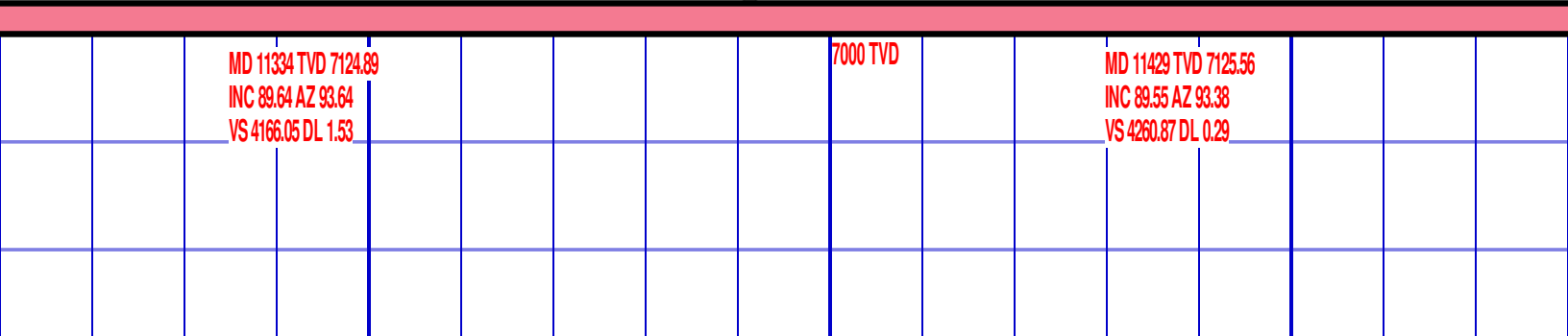
BIT #5, 8.5", SECURITY PDC, #12825025, JETS 3x15's AND
2X14's, IN @ 10892', ON JULY 19, 2016, OUT ON JULY 21,
2016 @ 14991', DRILLED 4099' IN 21.8 BIT HR.

CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbkly-splty, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

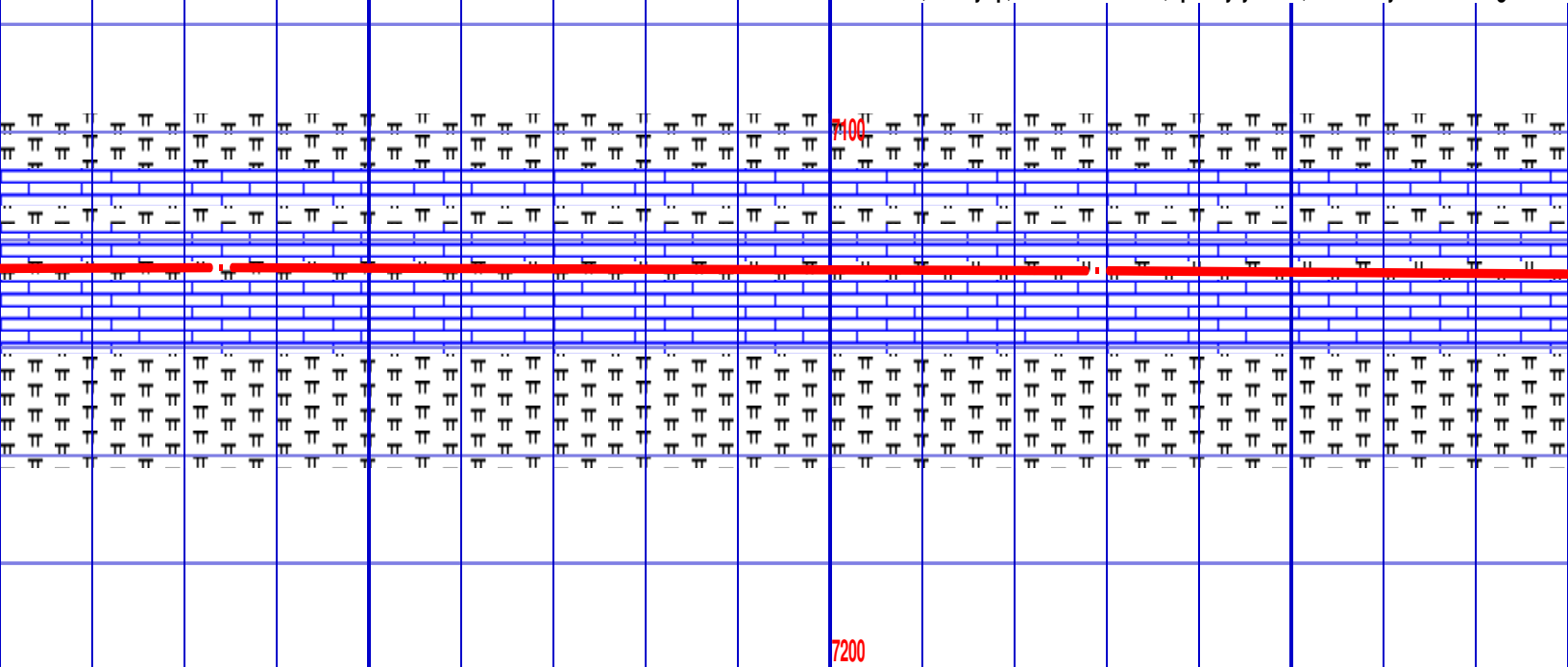
CHALK (80%) mott dk-mgy, m-dk-ltbrn, crm, sbbkly-splty, frm-brit-sft
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring.



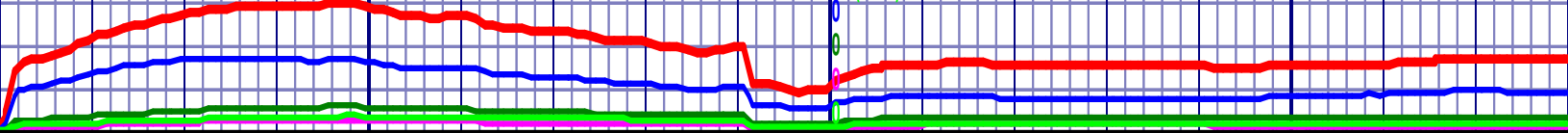


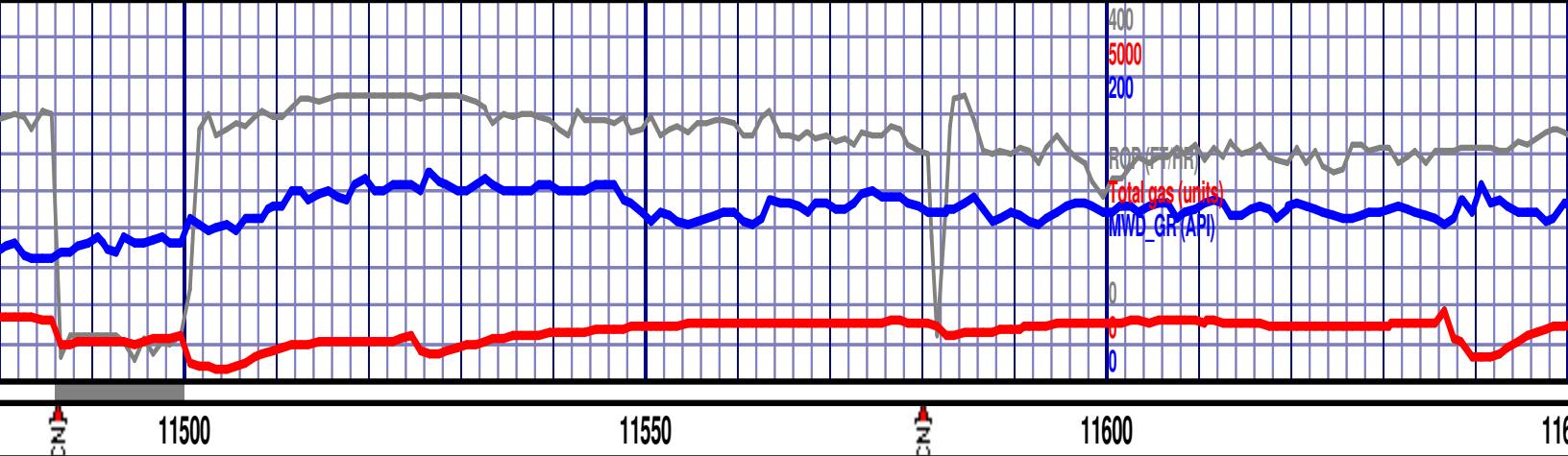


CHALK (70%) mott dk-mgy, m-dk-lbrn, crm, sbblky-splty, frm-brit-sft, scat Fc
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLS



5000
5000
5000
5000
TC (units)
5000
C1 (units)
C2 (units)
C3 (units)
C4 (units)





MD 11523 TVD 7126.95
INC 88.76 AZ 91.62
VS 4354.77 DL 2.05

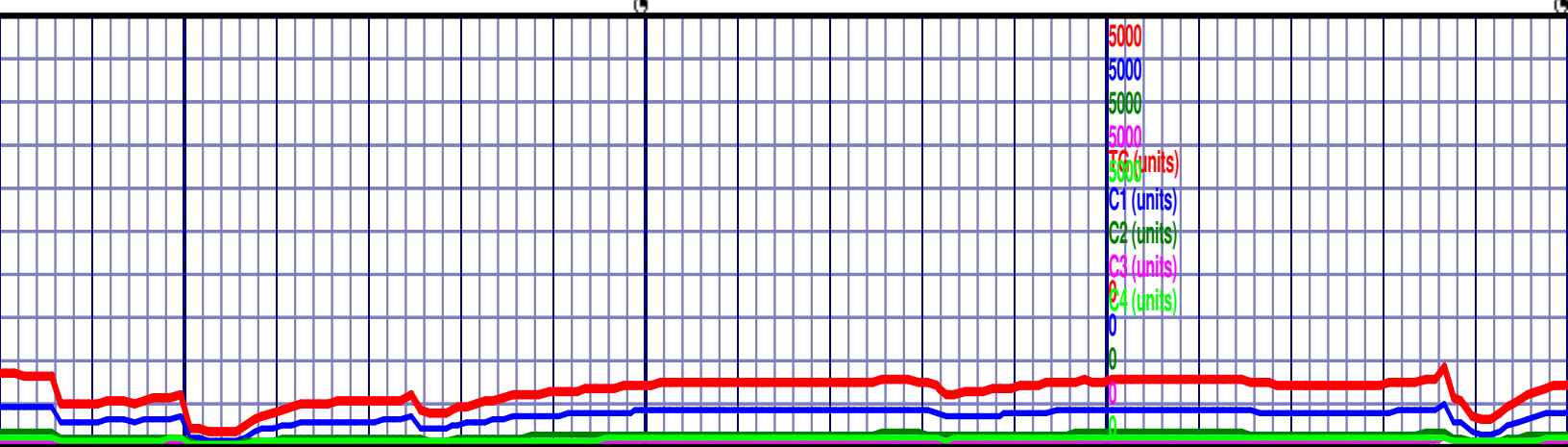
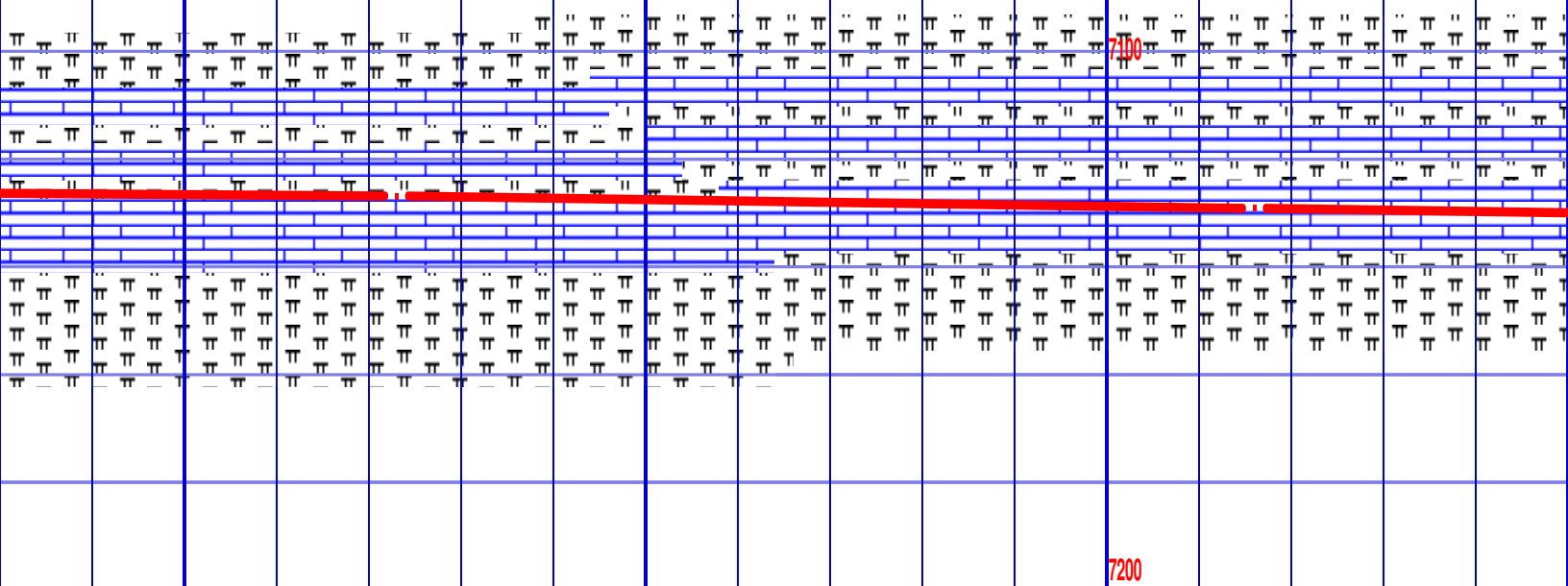
7000 TVD

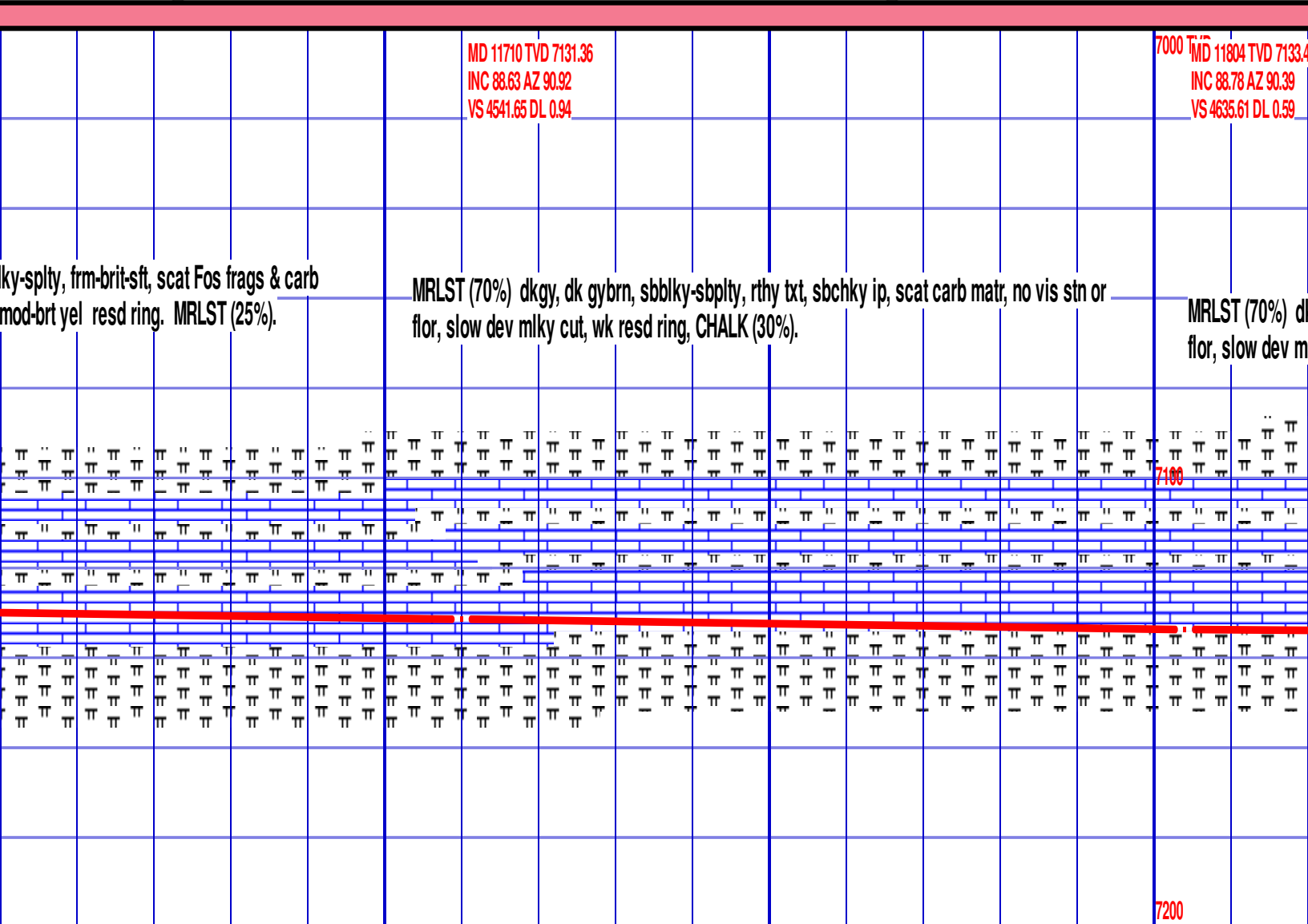
MD 11616 TVD 7129.09
INC 88.6 AZ 91.8
VS 4447.7 DL 0.26

s frags & carb
ST (30%).

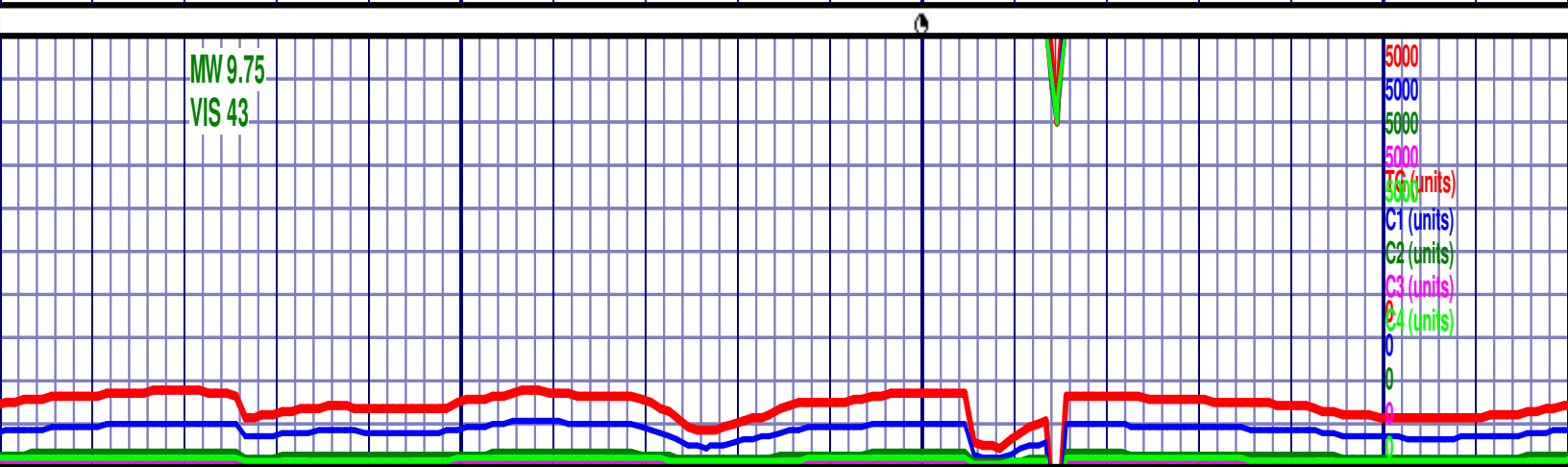
CHALK (75%) mott dk-mgy, m-dk-ltbrn, crm, sbbly-sply, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (25%).

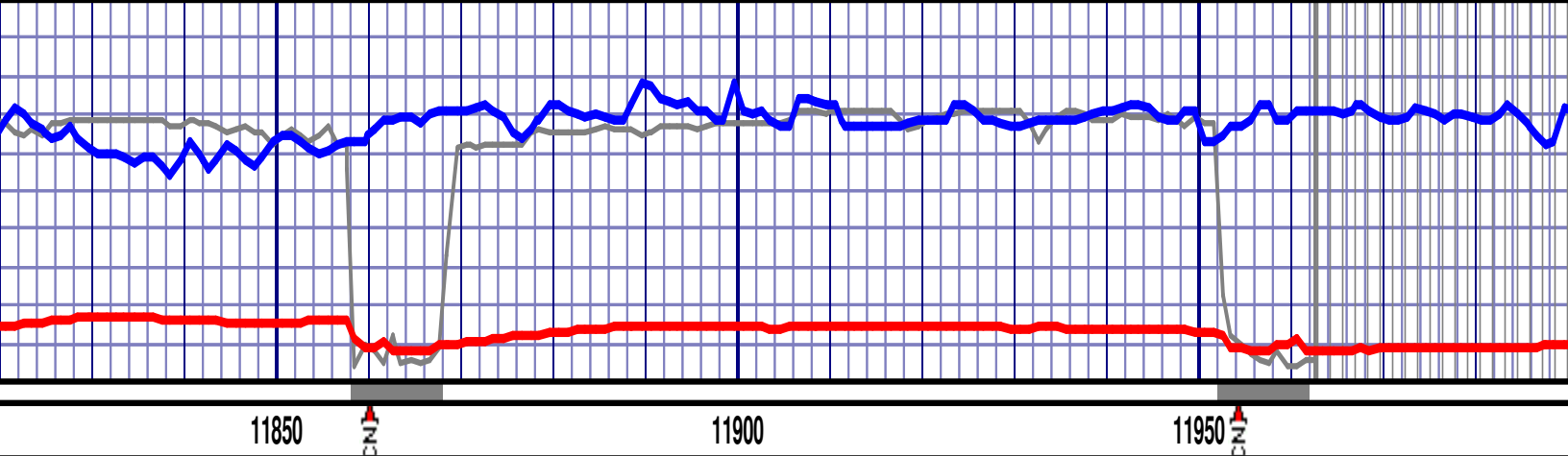
CHALK (75%) mott dk-mgy, m-dk-ltbrn, crm, sbbly-sply, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (25%).





MW 9.75
VIS 43





11850

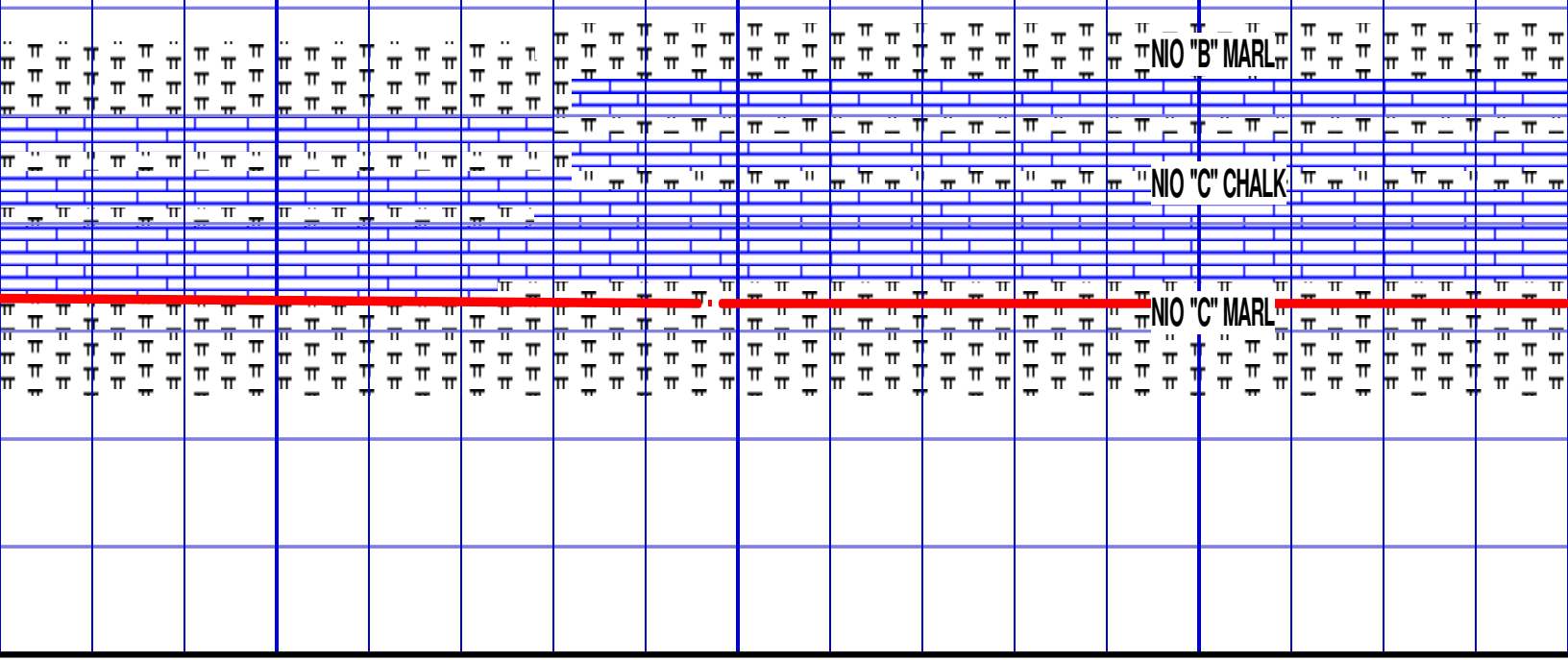
11900

11950

MD 11897 TVD 7134.95
INC 89.42 AZ 90.92
VS 4728.6 DL 0.89

dkgy, dk gybrn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no vis stn or
lky cut, wk resd ring, CHALK (30%).

MRLST (80%) dkgy, dk gybrn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no vis
flor, slow dev mlky cut, wk resd ring, CHALK (20%).

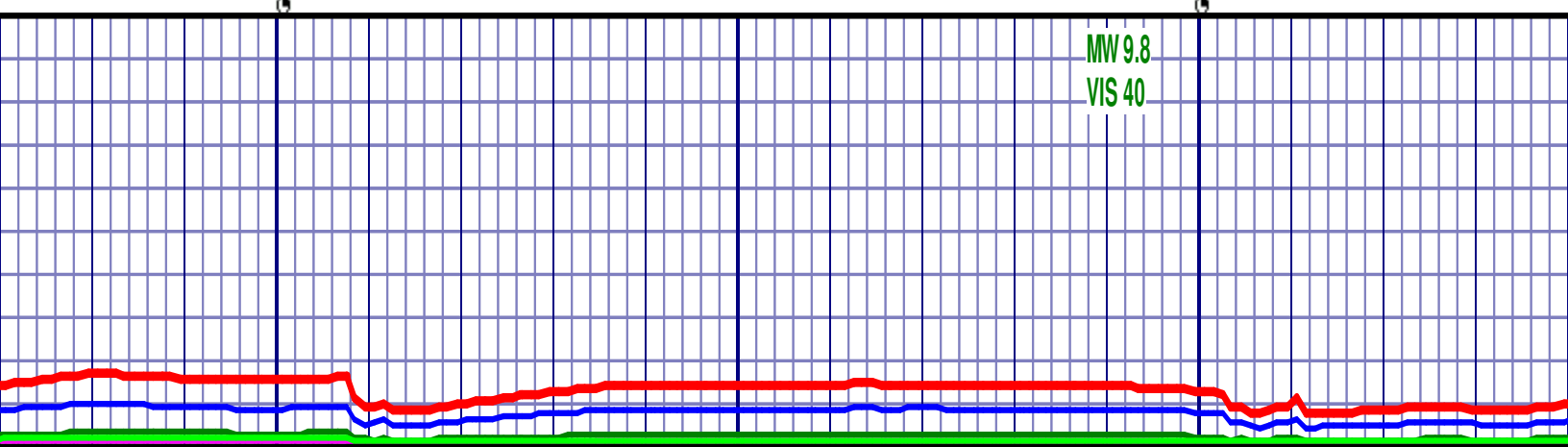


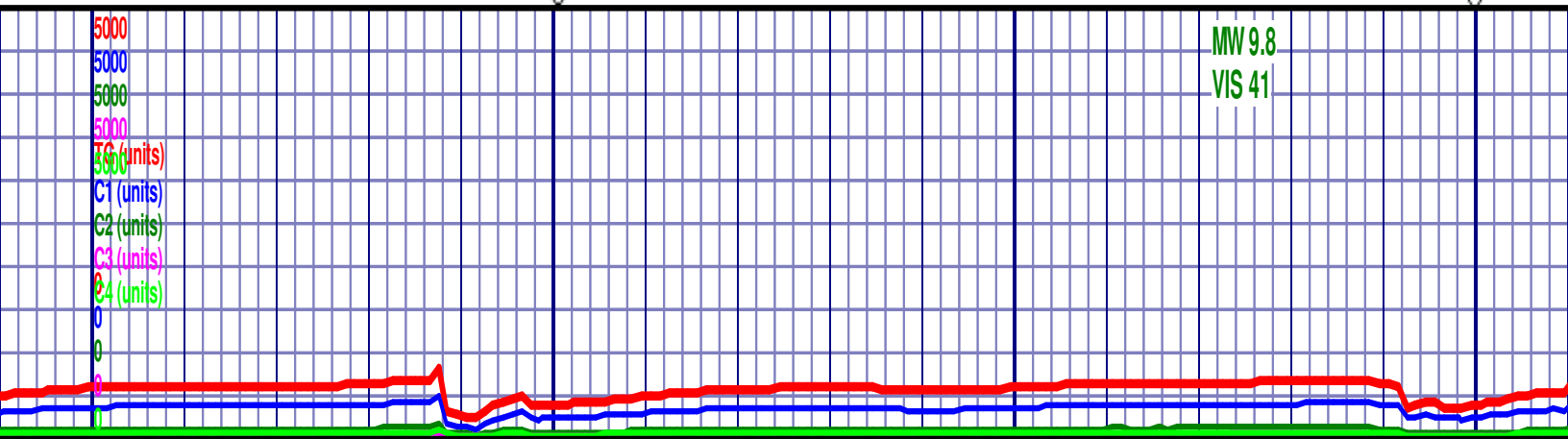
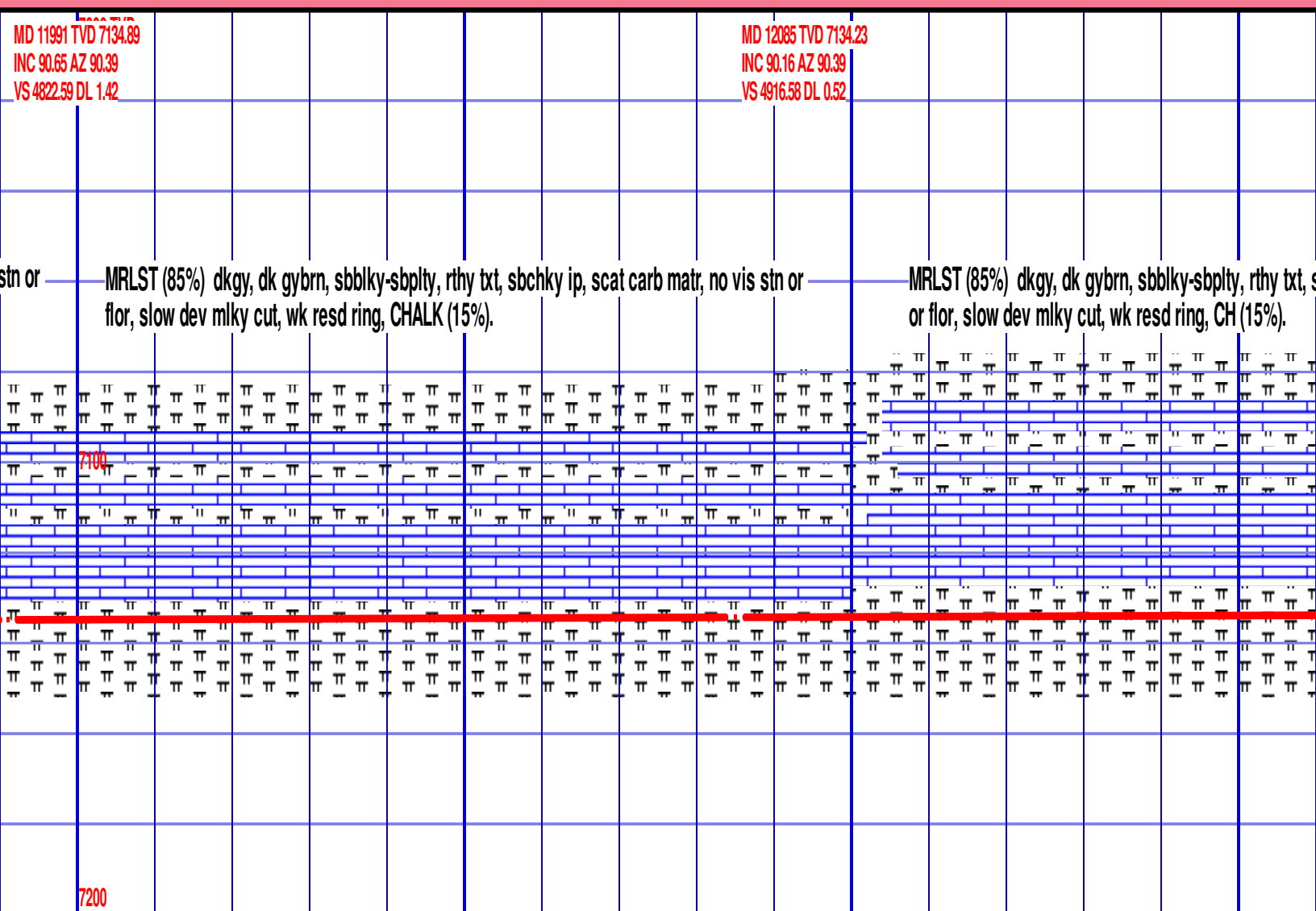
NIO "B" MARL

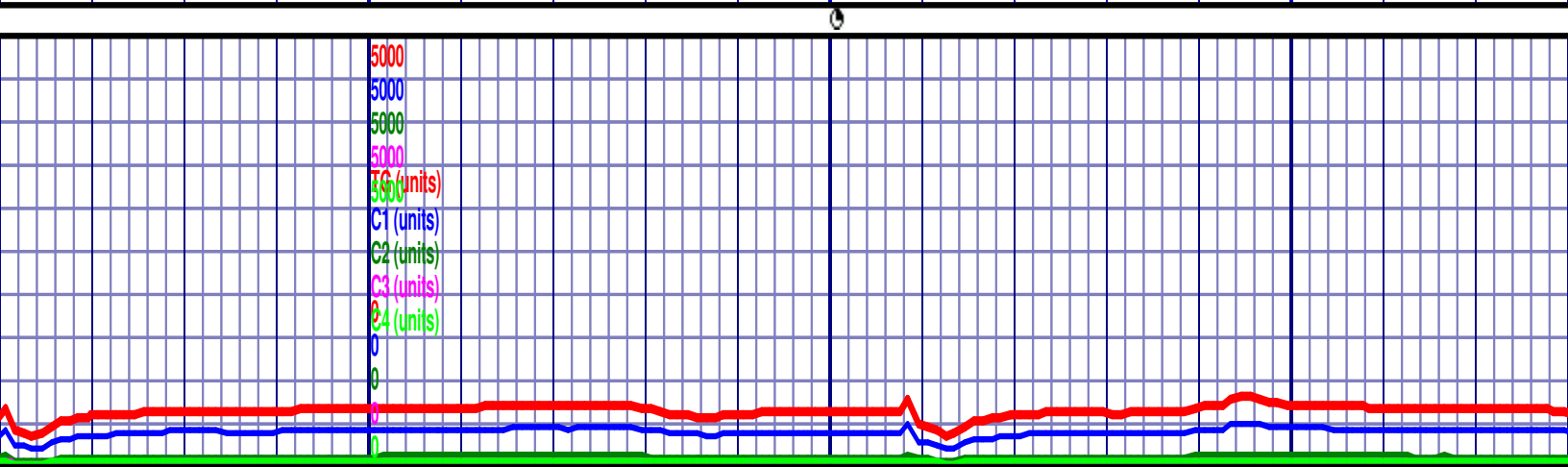
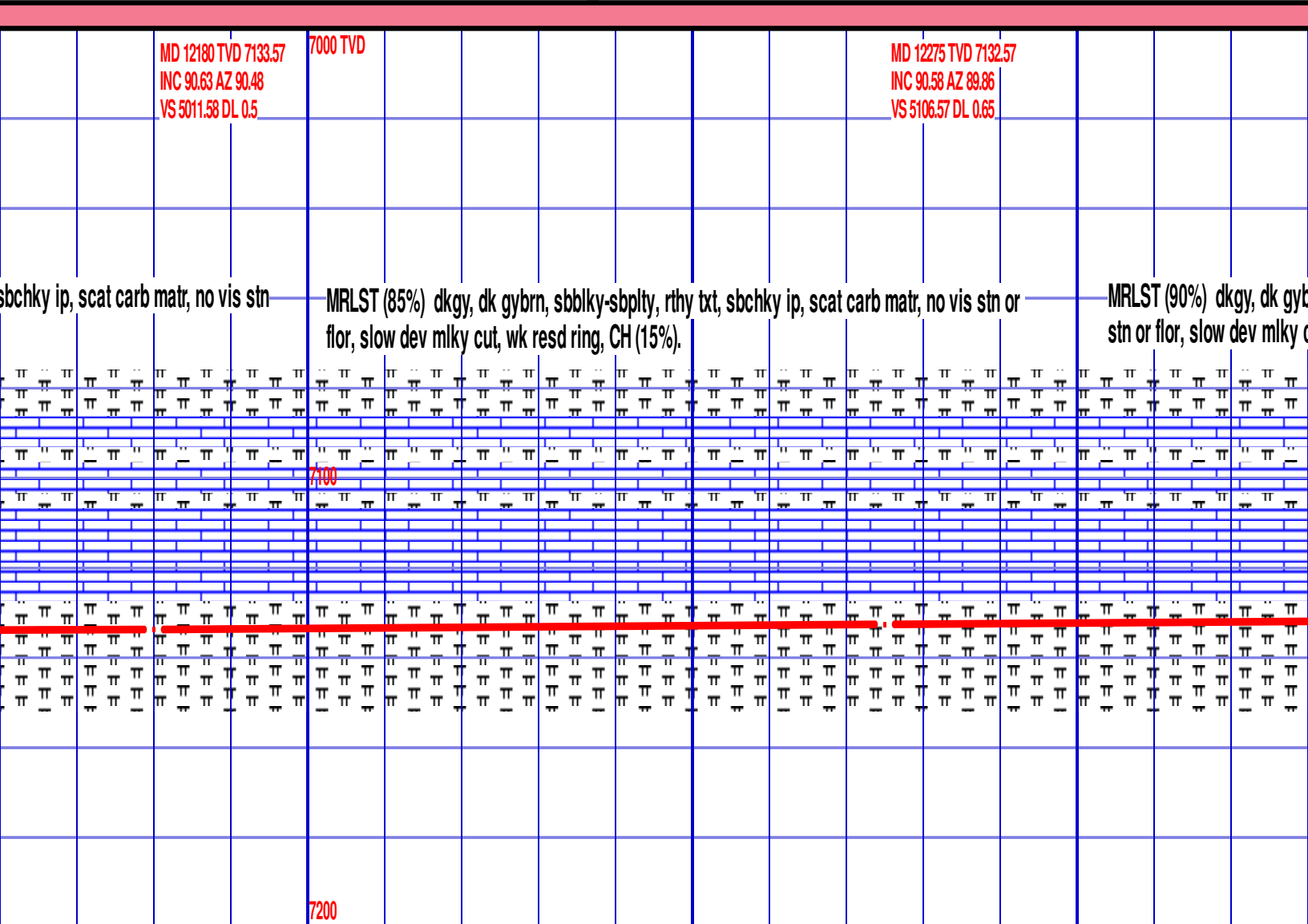
NIO "C" CHALK

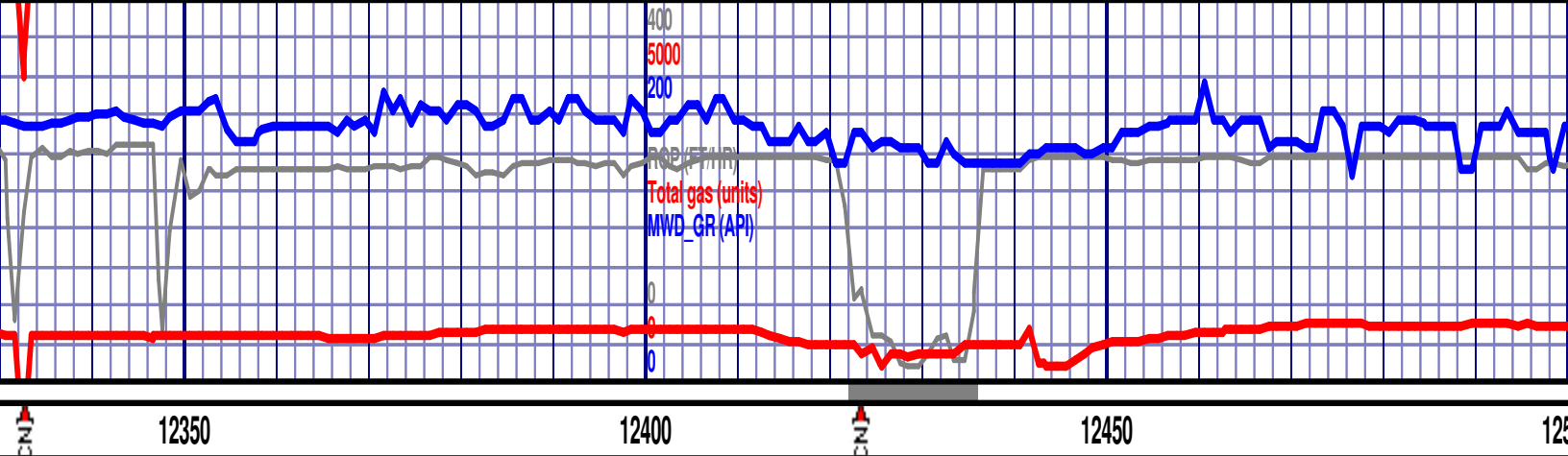
NIO "C" MARL

MW 9.8
VIS 40









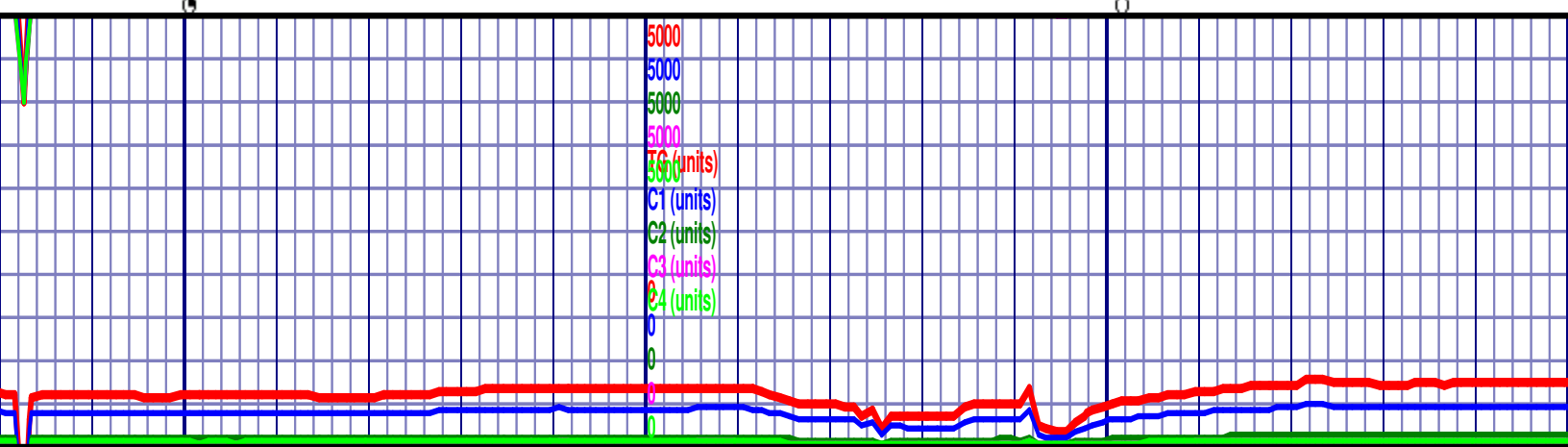
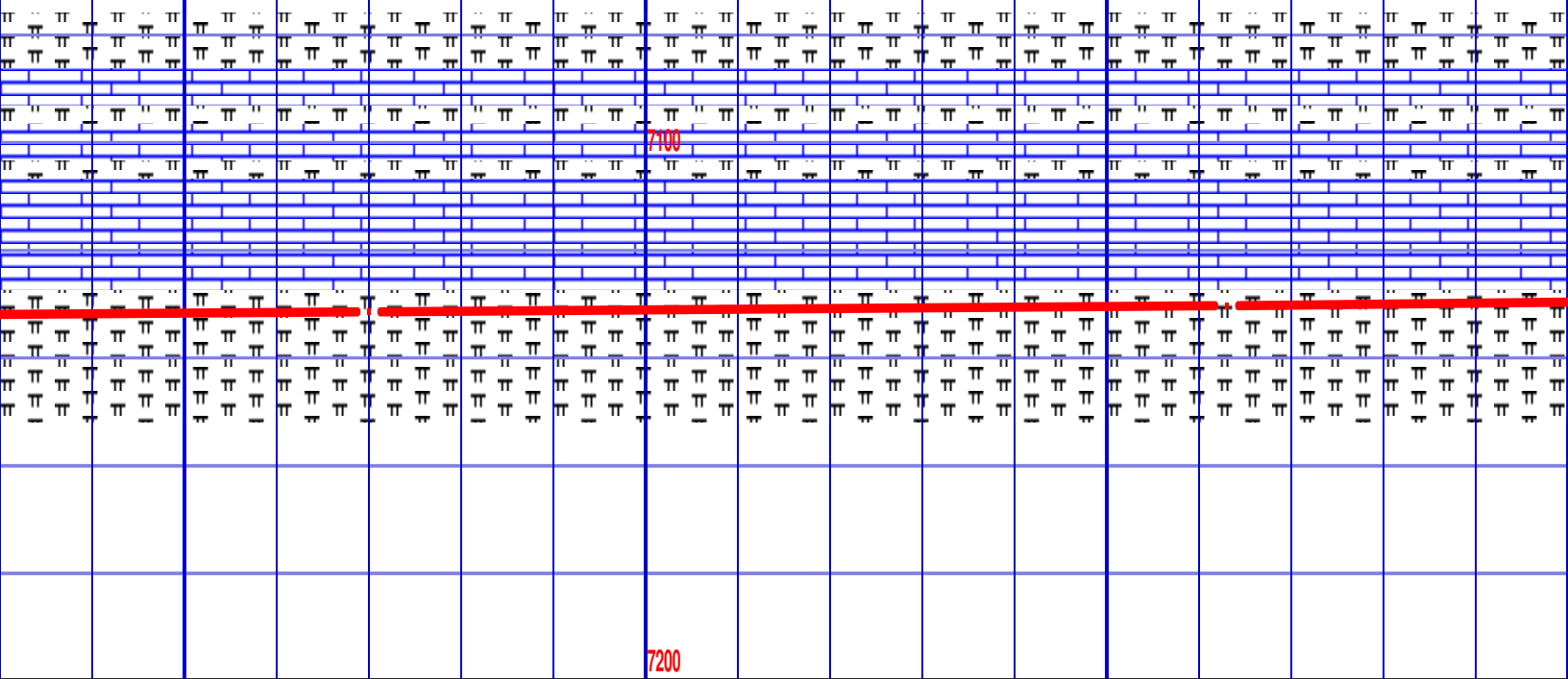
MD 12370 TVD 7131.47
INC 90.74 AZ 89.34
VS 5201.56 DL 0.57

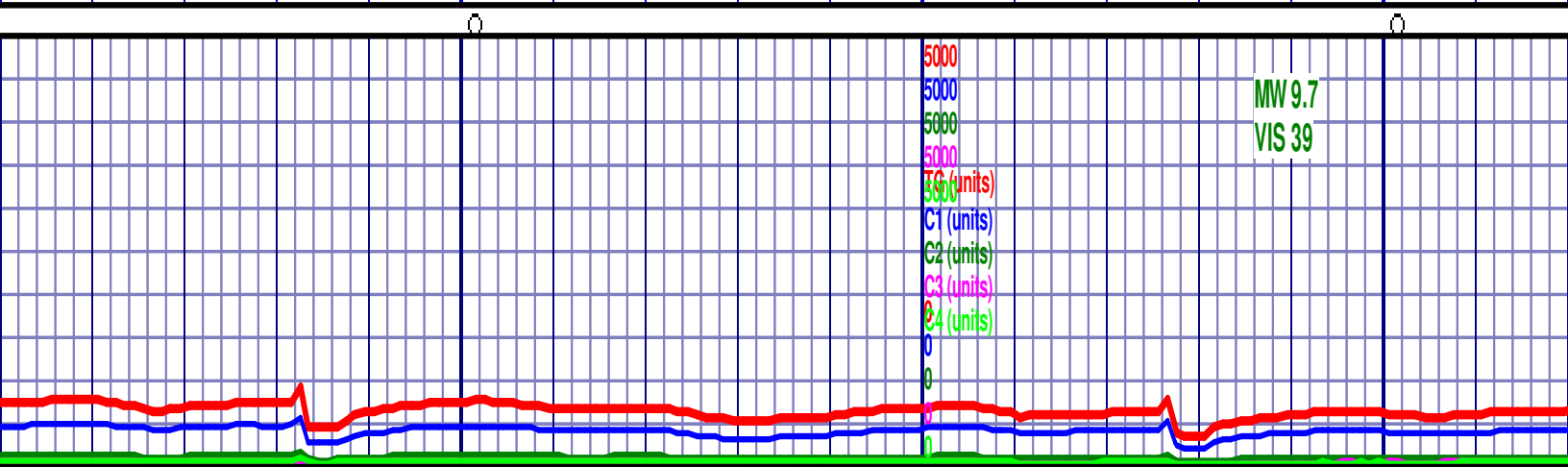
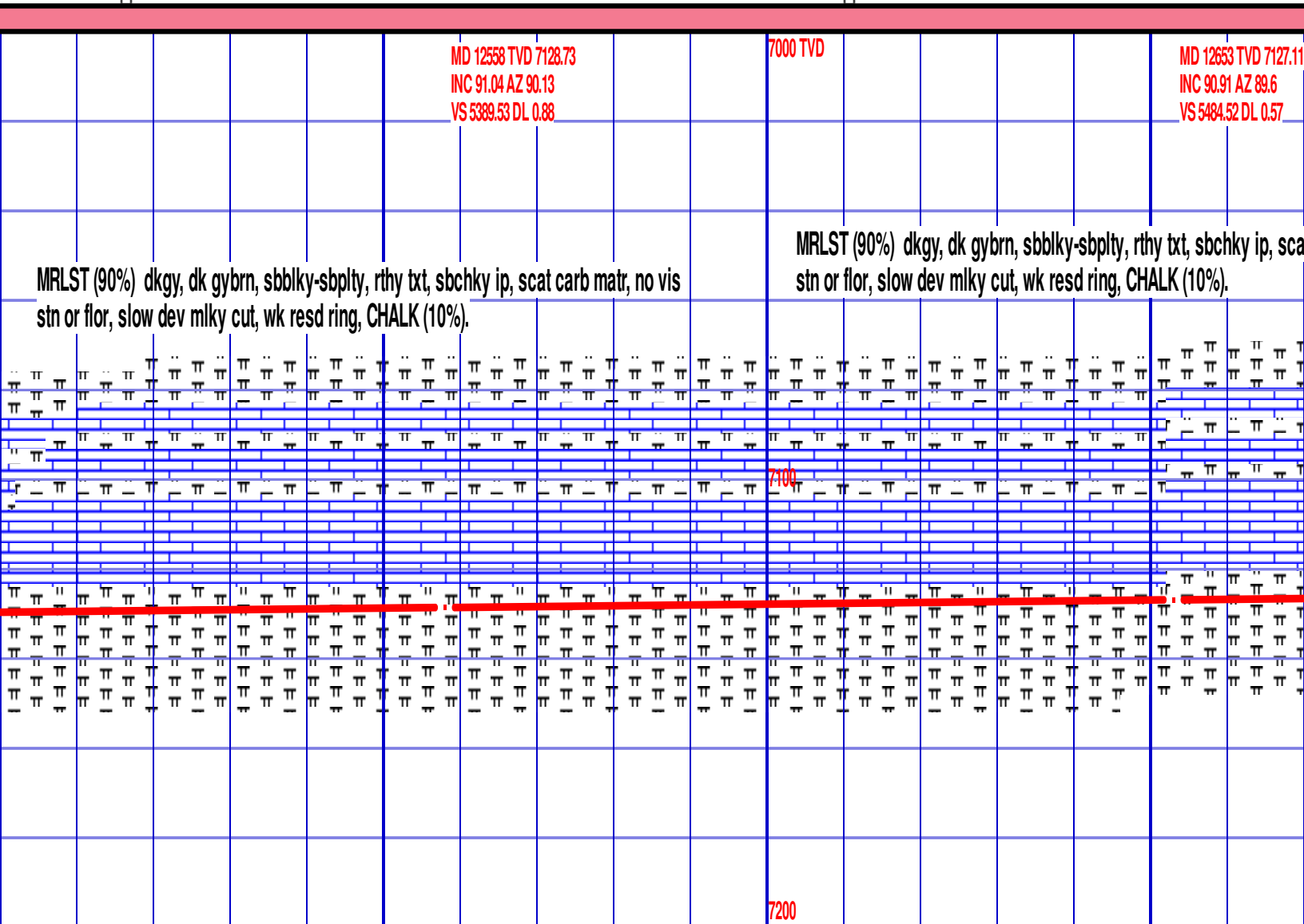
7000 TVD

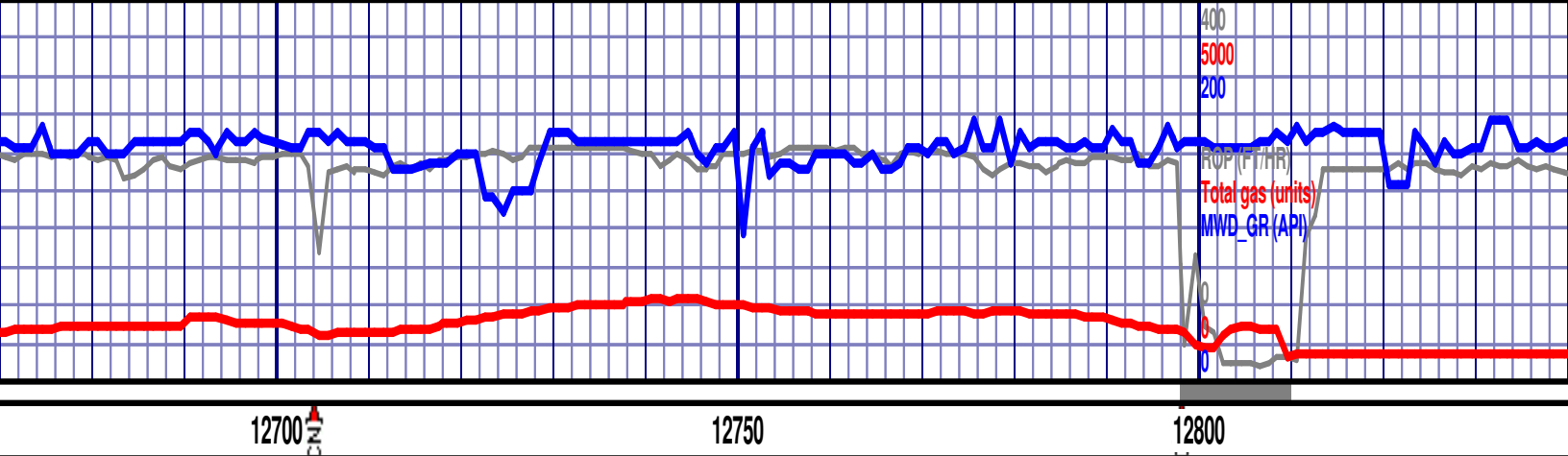
MD 12463 TVD 7130.24
INC 90.78 AZ 90.92
VS 5294.55 DL 1.7

brn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no vis
cut, wk resd ring, CH (10%).

MRLST (90%) dkgy, dk gybrn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no
vis stn or flor, slow dev mlky cut, wk resd ring, CHALK (10%).







12700

12750

12800

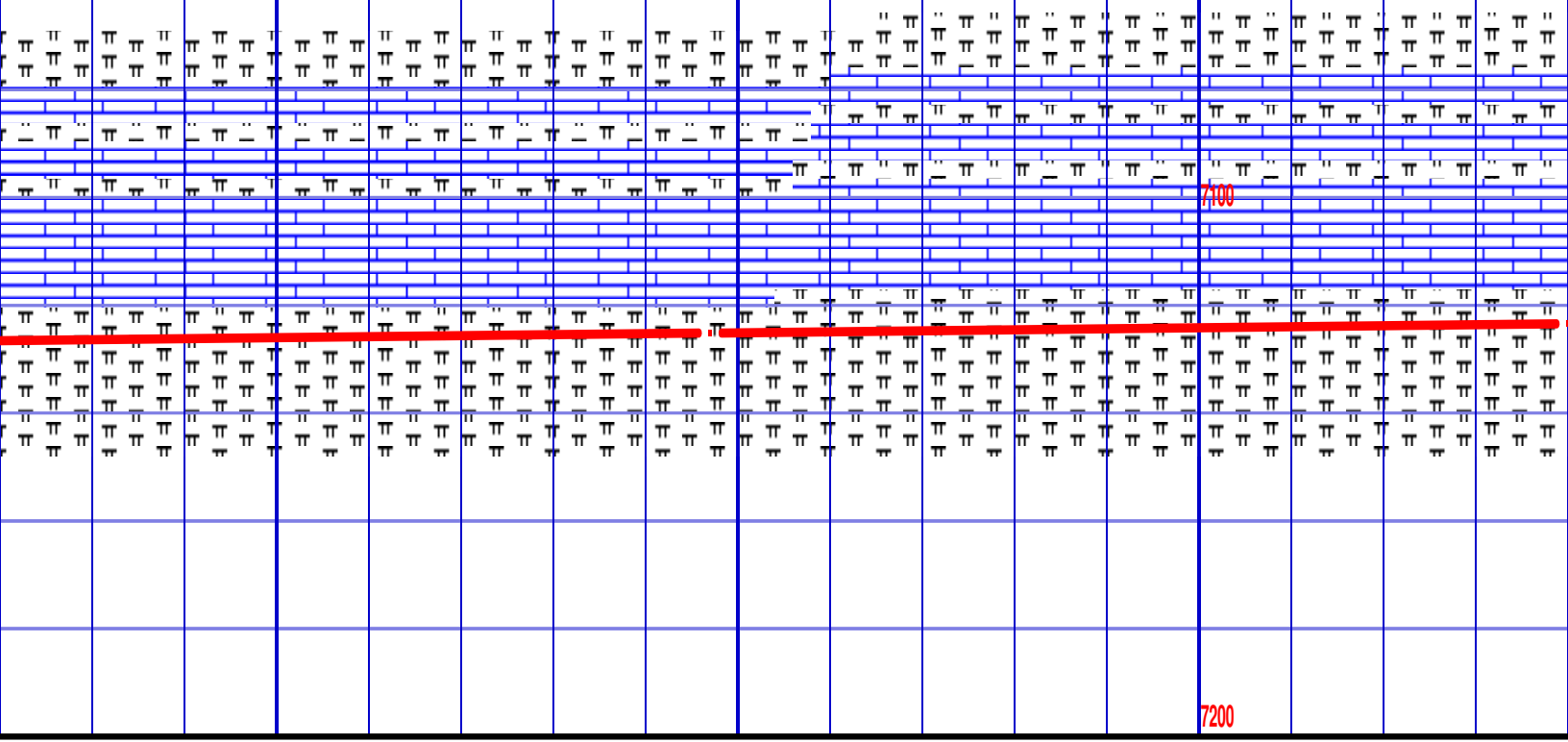
MD 12747 TVD 7125.28
INC 91.33 AZ 89.16
VS 5578.5 DL 0.65

7000 TVD

carb matr, no vis

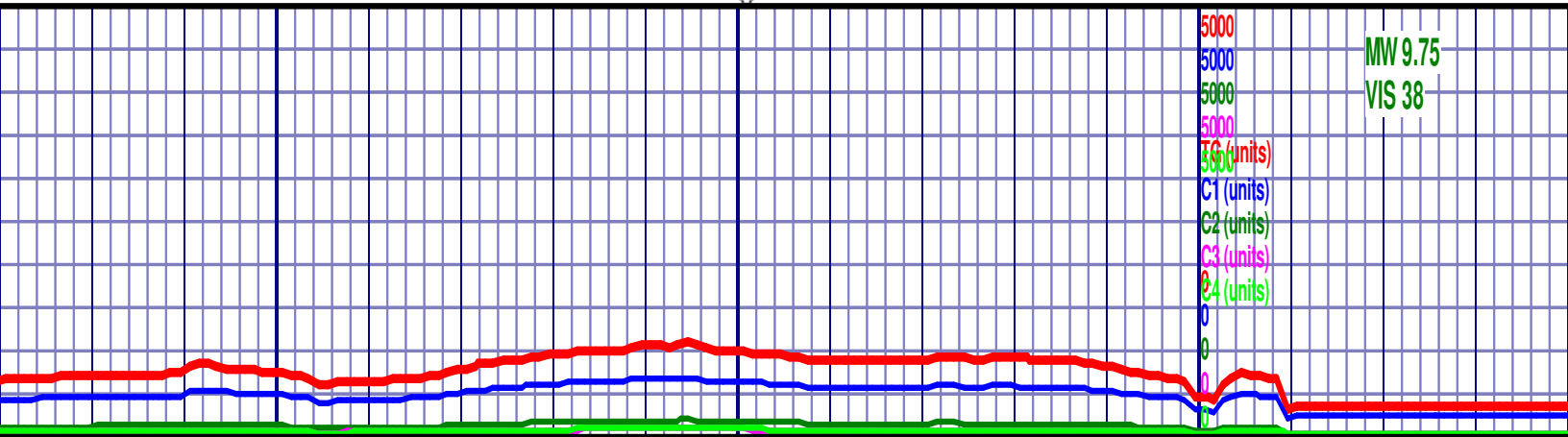
MRLST (90%) dkgy, dk gybrn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no vis stn or flor, slow dev milky cut, wk resd ring, CHALK (10%).

MRLST (90%) dkgy, dk gybrn, sbblky-sbply, rthy txt, sbchky ip, scat carb matr, no vis stn or flor, slow dev milky cut, wk resd ring, CHALK (10%).

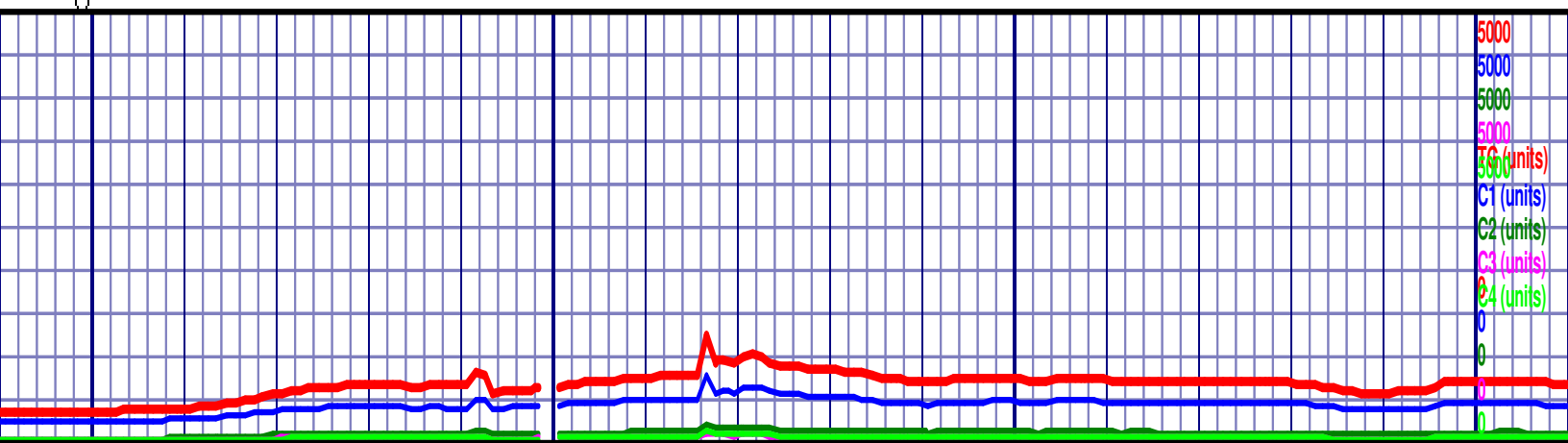


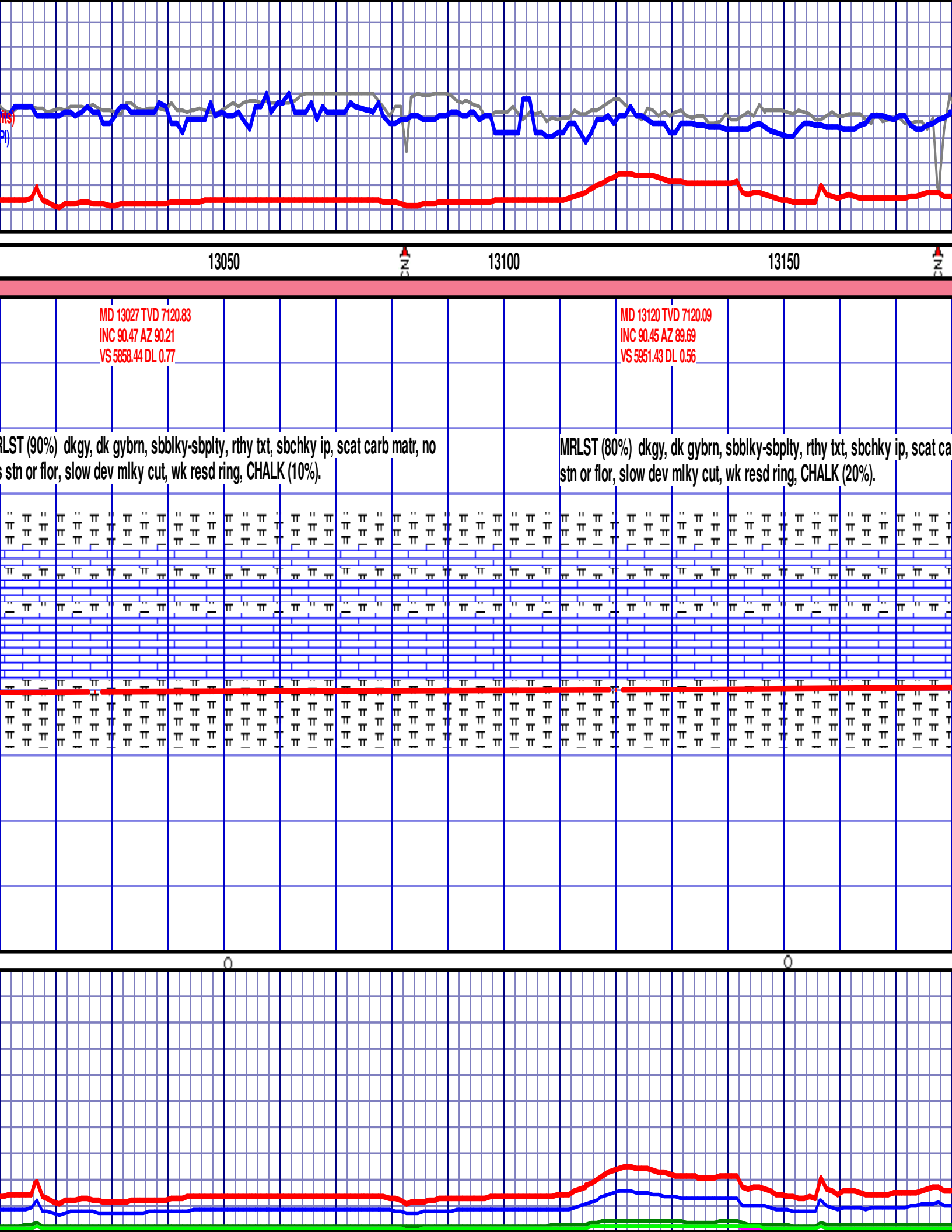
7100

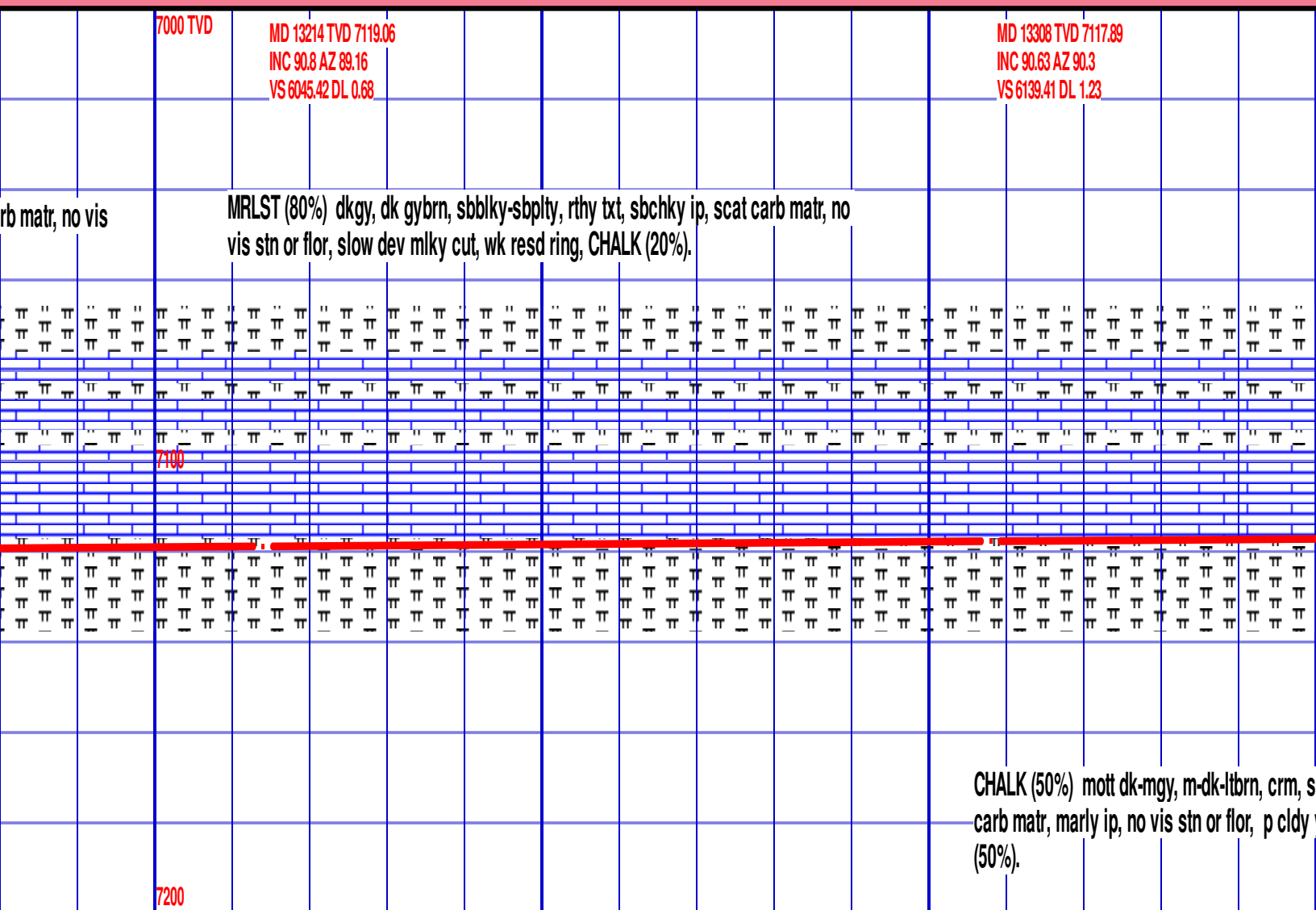
7200

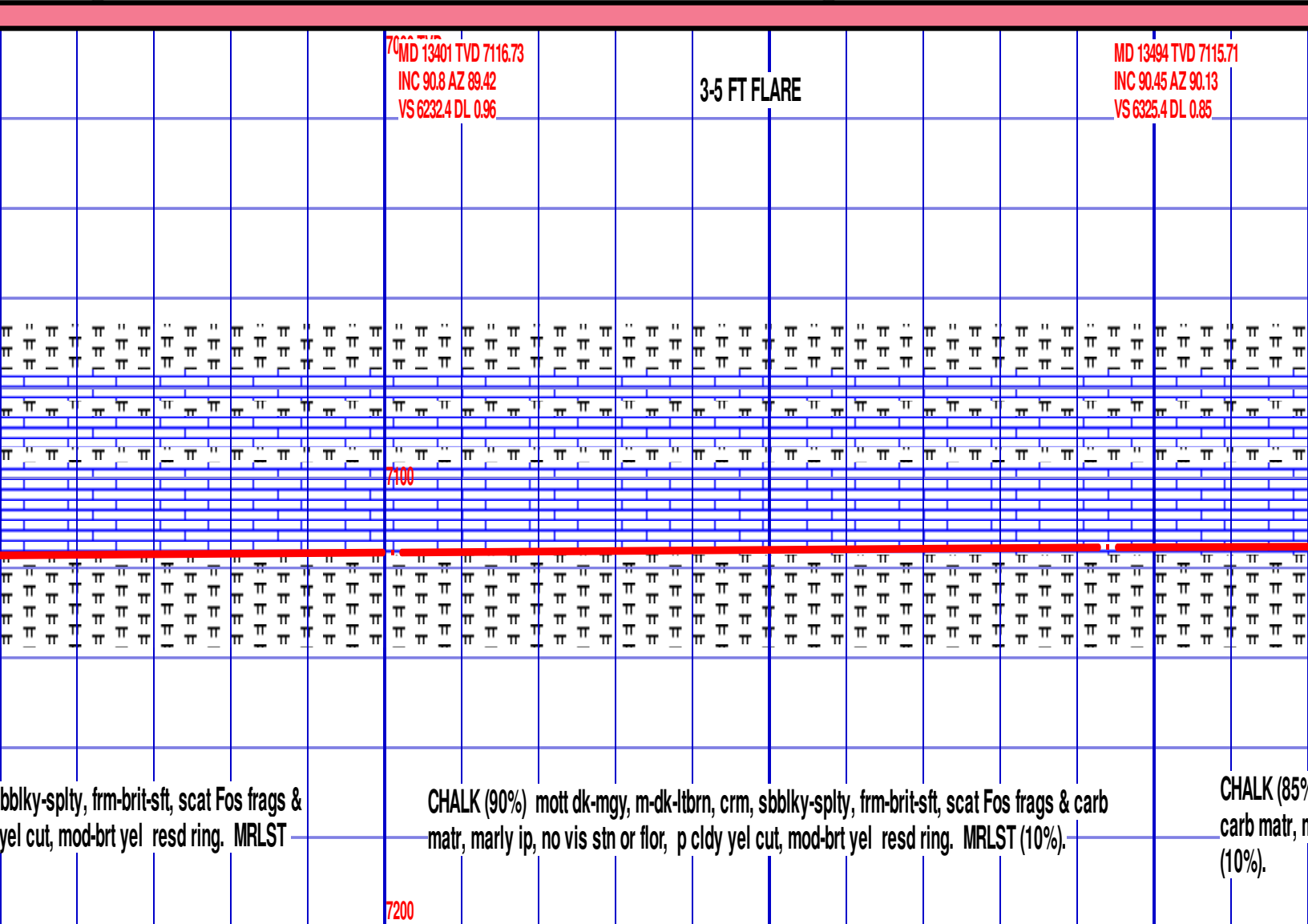


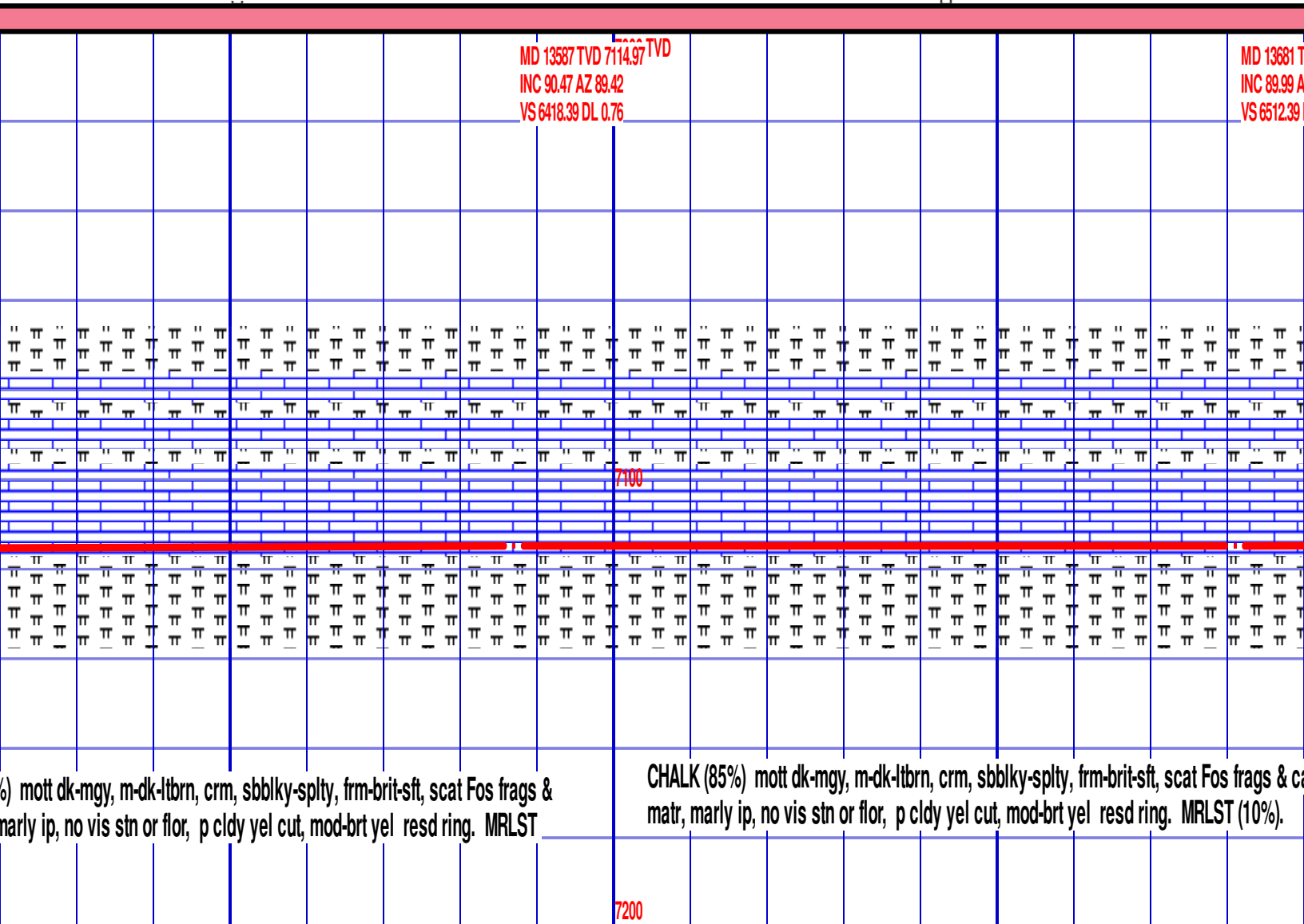
MW 9.75
VIS 38





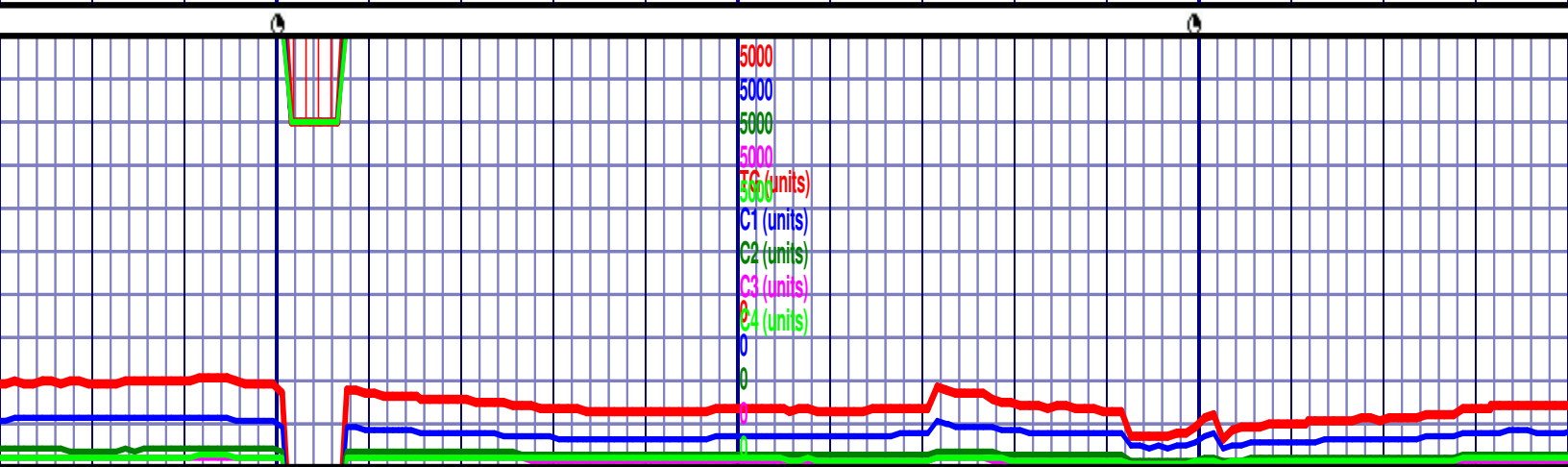


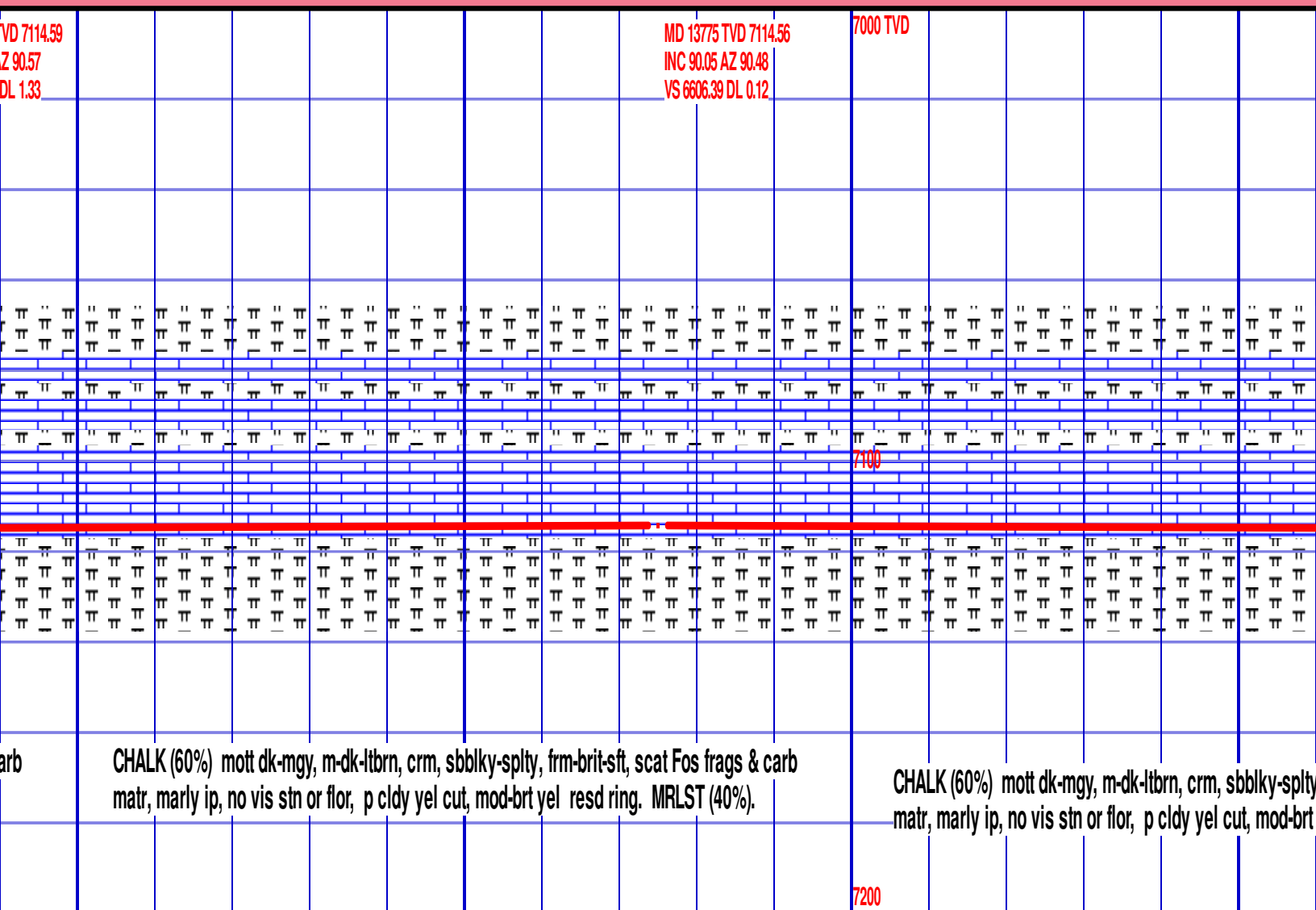


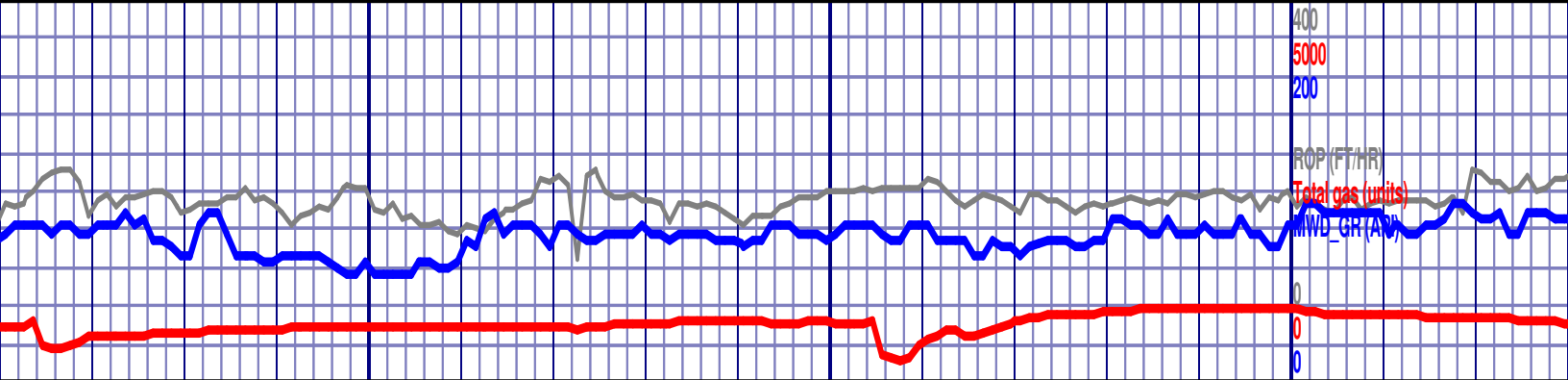


6) mott dk-rgy, m-dk-ltrn, crm, sbblky-sply, frm-brit-sft, scat Fos frags & marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST

CHALK (85%) mott dk-mgy, m-dk-lbrn, crm, sbblky-sply, frm-brit-sft, scat Fos frags & c
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (10%).







13900

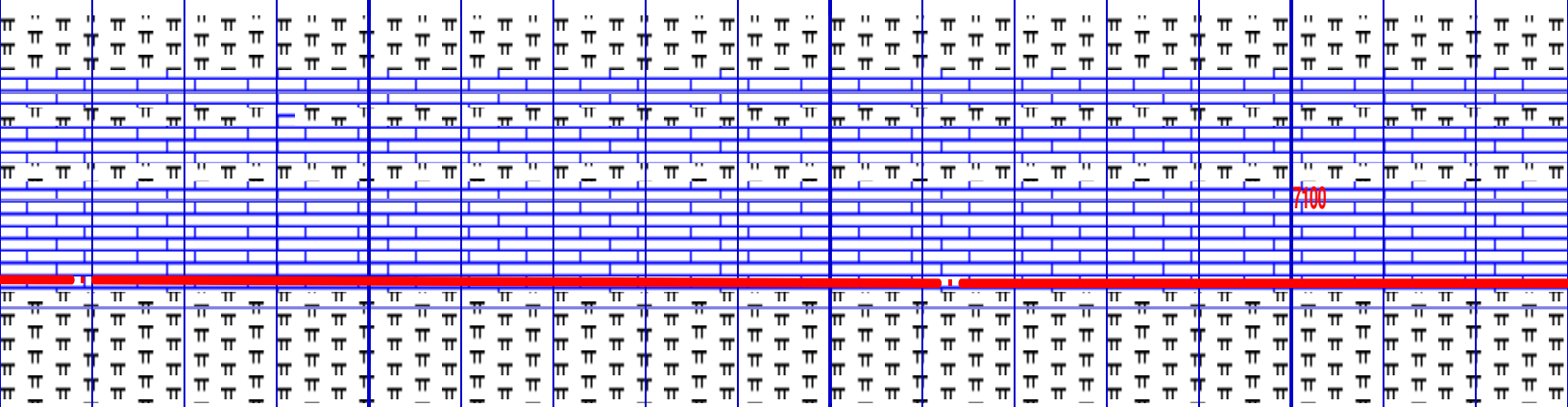
13950

14000

MD 13869 TVD 7114.8
INC 89.66 AZ 90.57
VS 6700.38 DL 0.43

MD 13963 TVD 7115.16
INC 89.9 AZ 90.57
VS 6794.38 DL 0.26

7000 TVD



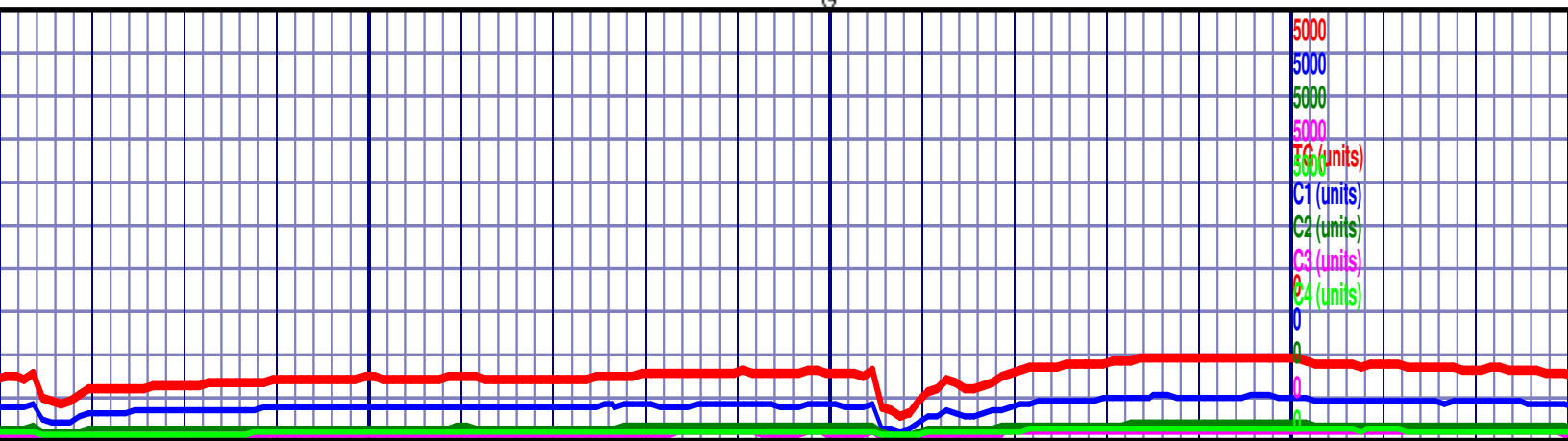
7100

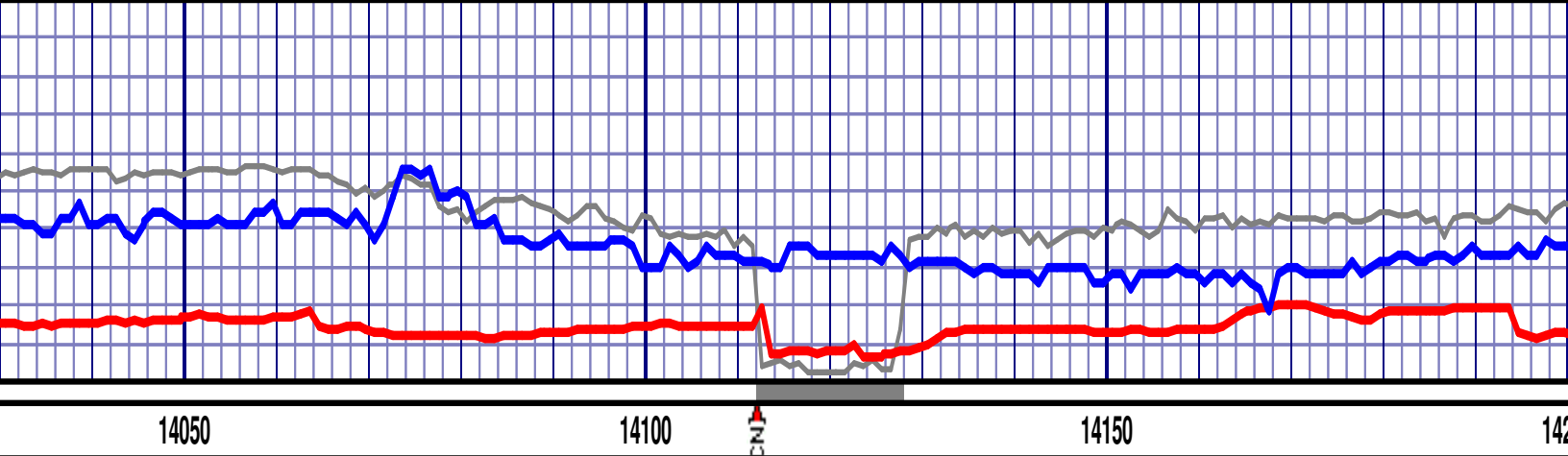
, frm-brit-sft, scat Fos frags & carb
yel resd ring. MRLST (40%).

CHALK (75%) mott dk-mgy, m-dk-ltbrn, crm, sbbly-sply, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (25%).

CHALK (80%) mott dk-mgy, r
matr, marly ip, no vis stn or

7200



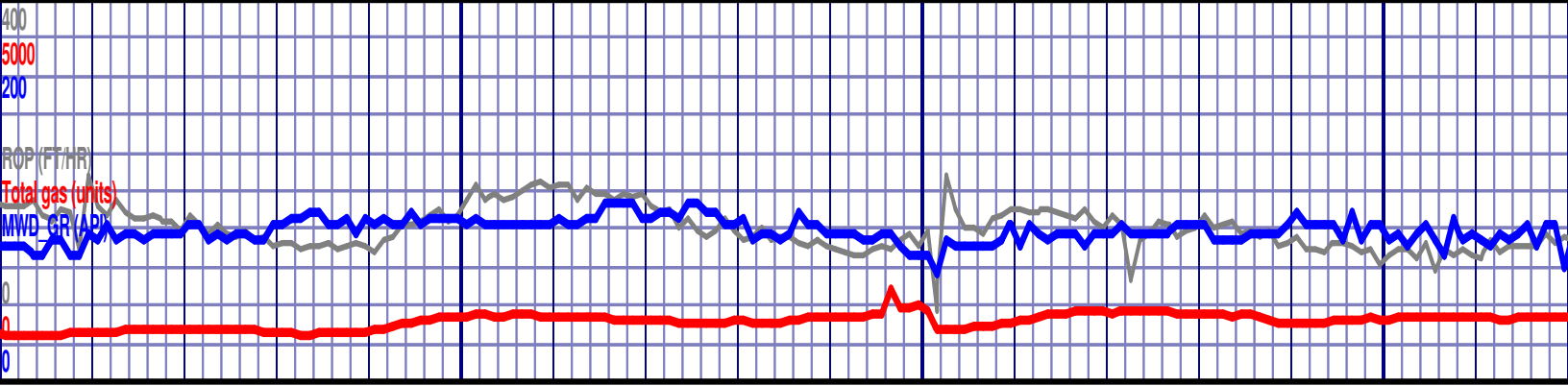


MD 14057 TVD 7115.67
INC 89.48 AZ 89.16
VS 6888.37 DL 1.57

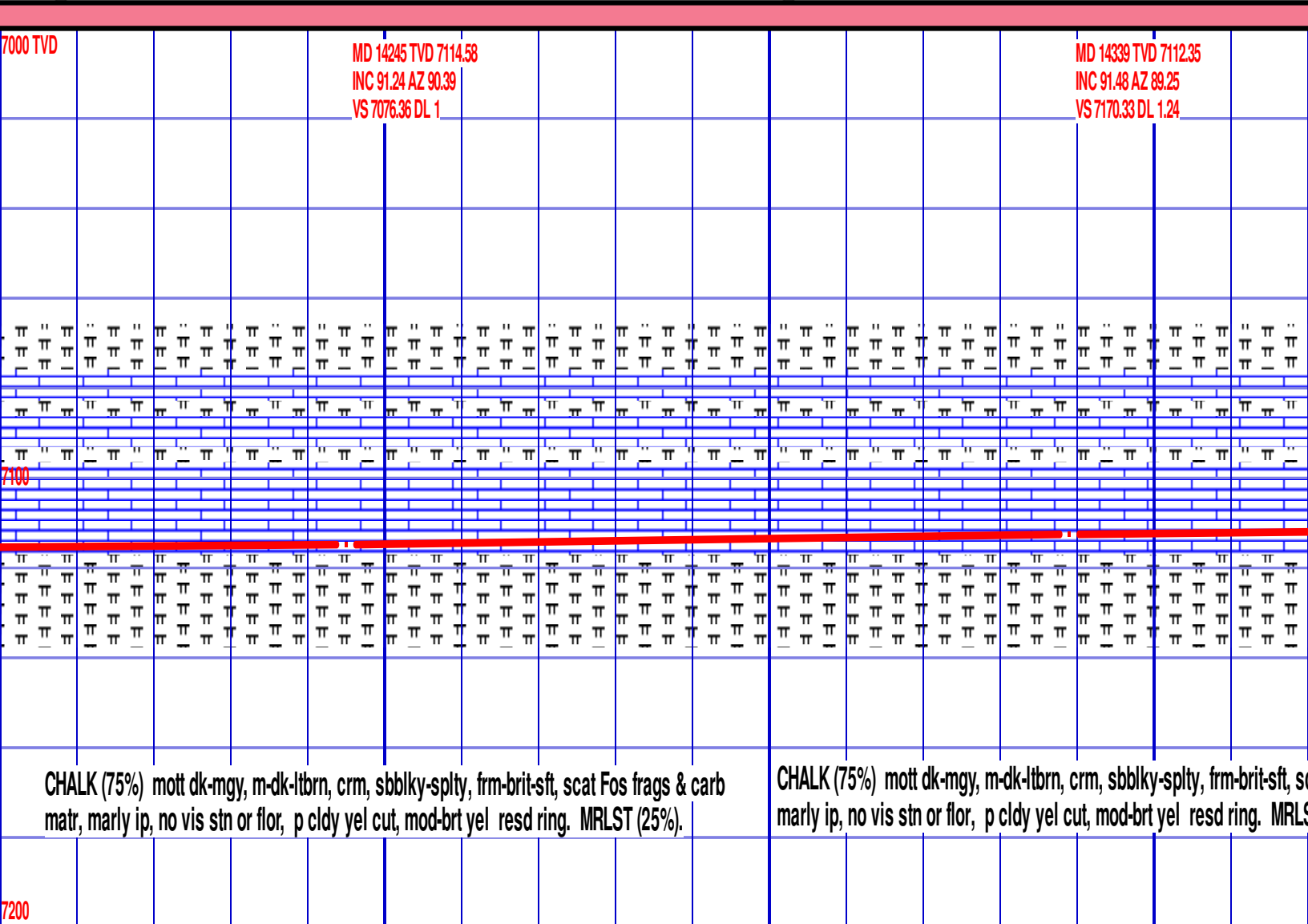
MD 14151 TVD 7115.85
INC 90.3 AZ 90.3
VS 6982.37 DL 1.49

m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb
flor, p cldy yel cut, mod-brt yel resd ring. MRLST (20%).

CHALK (85%) mott dk-mgy, m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb
matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (15%).



200 14250 14300 14350



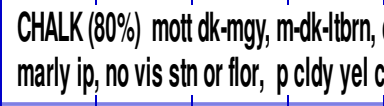
CHALK (75%) mott dk-mgy, m-dk-ltbrn, crm, sbbly-sply, frm-brit-sft, scat Fos frags & carb matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (25%).

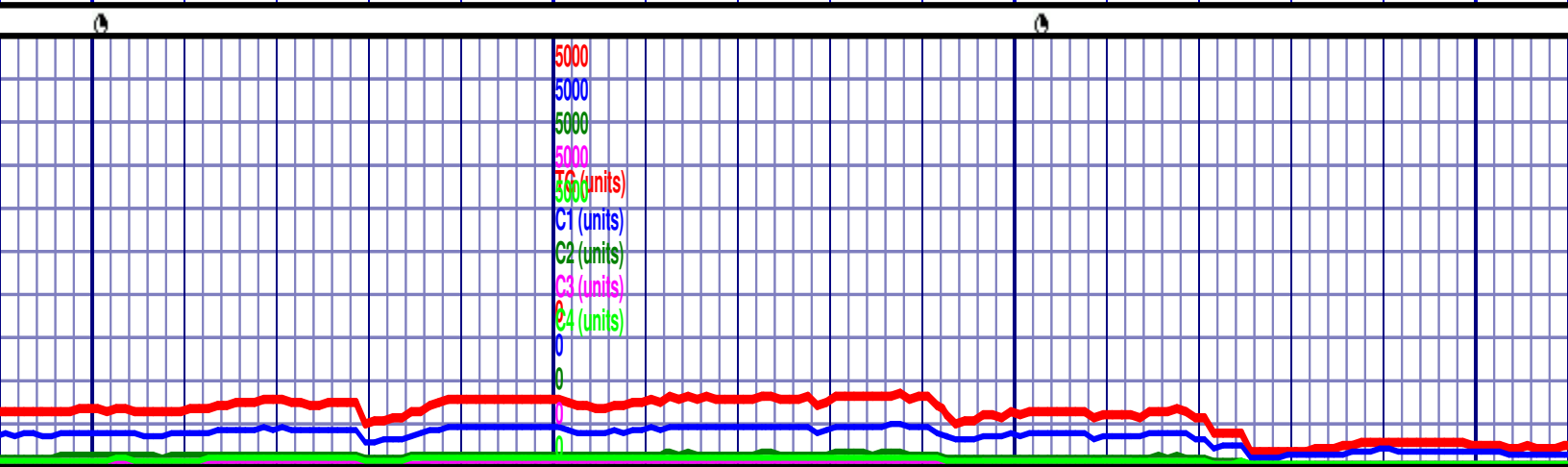
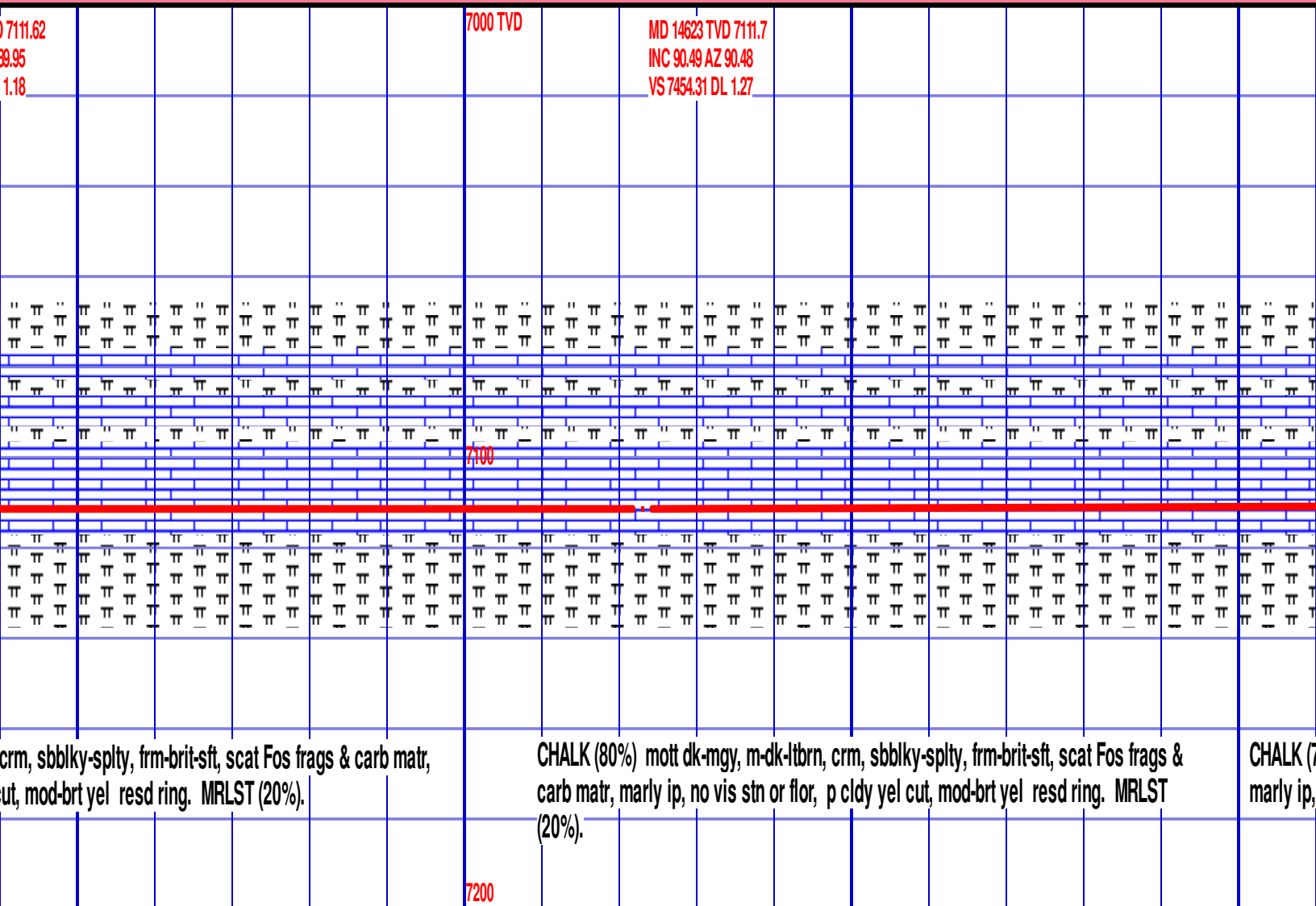
CHALK (75%) mott dk-mgy, m-dk-ltbrn, crm, sbbly-sply, frm-brit-sft, scat Fos frags & carb matr, marly ip, no vis stn or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (25%).

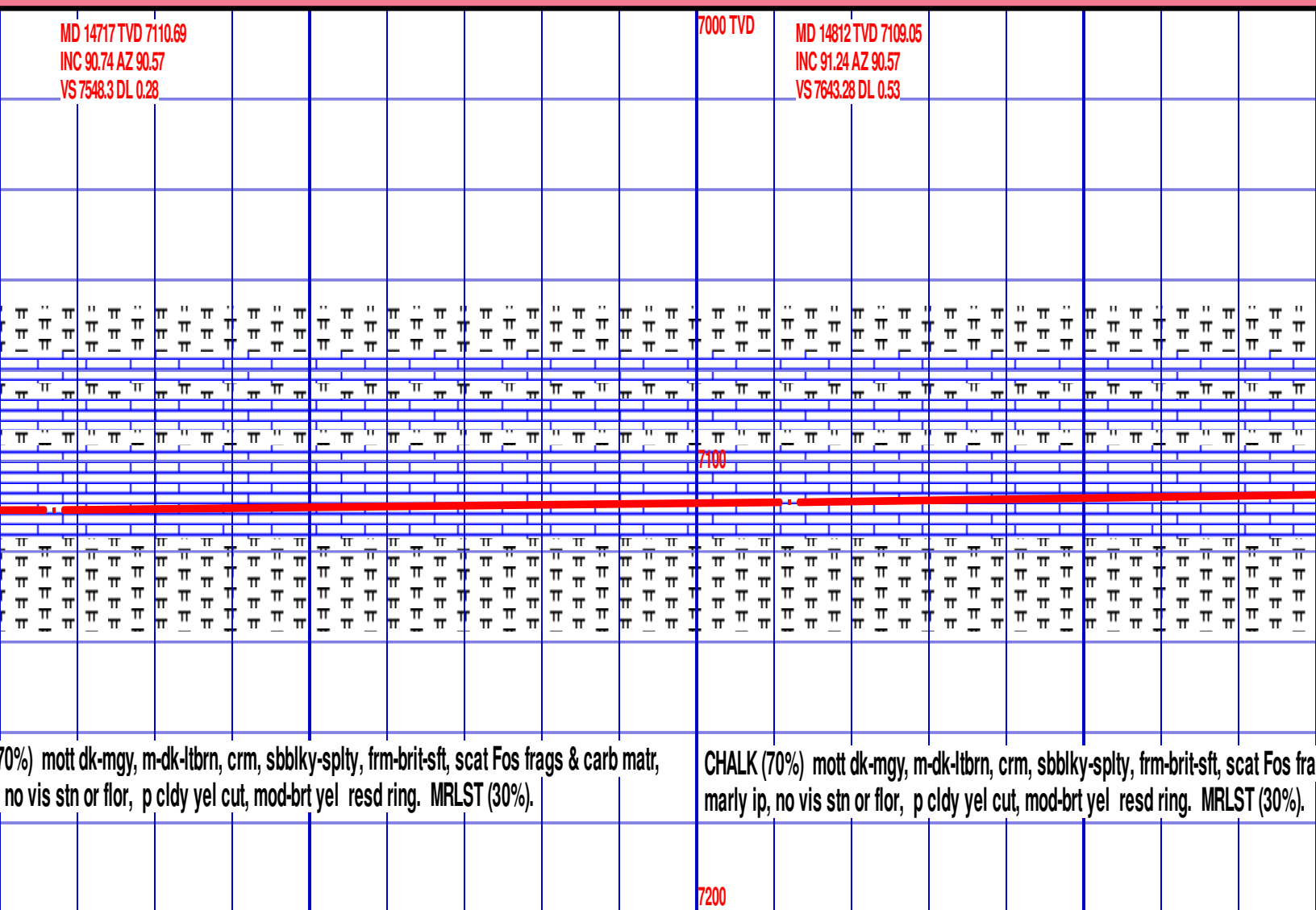


14500

MD 14529 TVD
INC 89.42 AZ 8
VS 7360.31 DL









150

TD @ 14991' ON
JULY 21/2016

FORMATION TOP'S

	SSD	TVD	MD
Sharon Springs	-2097'	6909'	7285'
Niobrara A Chalk	-2128'	6940'	7329'
Niobrara B Chalk	-2243'	7055'	7519'
Niobrara C Chalk	-2314'	7126'	7704'
Target Heel	-2343'	7155'	7995'
Target Toe	-2293'	7105'	14991'

gs & carb matr,	CHALK (70%) mott dk-mgy, m-dk-ltbrn, crm, sbblky-splty, frm-brit-sft, scat Fos frags & carb matr, marly ip, no vis str or flor, p cldy yel cut, mod-brt yel resd ring. MRLST (30%).
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THANK YOU
GOOLSBY BROTHERS & ASSOC. INC

