

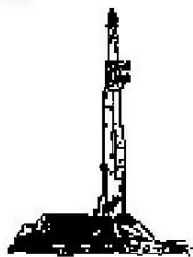
GOOLSBY BROTHERS and associates, inc.

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 VISTA 43-2N-C

Well Id: 123

Location: Section 2, T4N, R68W, Weld County, CO.

License Number: API: 05-123-41058 [05-123-41056 Corrected DS](#)

Spud Date: FEB 8, 2016

Region: Wattenberg

Drilling Completed: FEB XX 2016

Surface Coordinates: NWSW 2063 FSL 254 FWL

Bottom Hole Coordinates: SESE 755 FSL 460 FEL

Ground Elevation (ft): 5000'

K.B. Elevation (ft): 5013'

Logged Interval (ft): 6000' To: 11615'

Total Depth (ft): 11615' DTD

Formation: NIOBRARA "C" CHALK

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:

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 6700'-11557'

Casing

9 5/8" Surface Casing set @ 651' MD

4 1/2" Production Liners/Packers to run on Feb 14.

Comments

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

ROCK TYPES

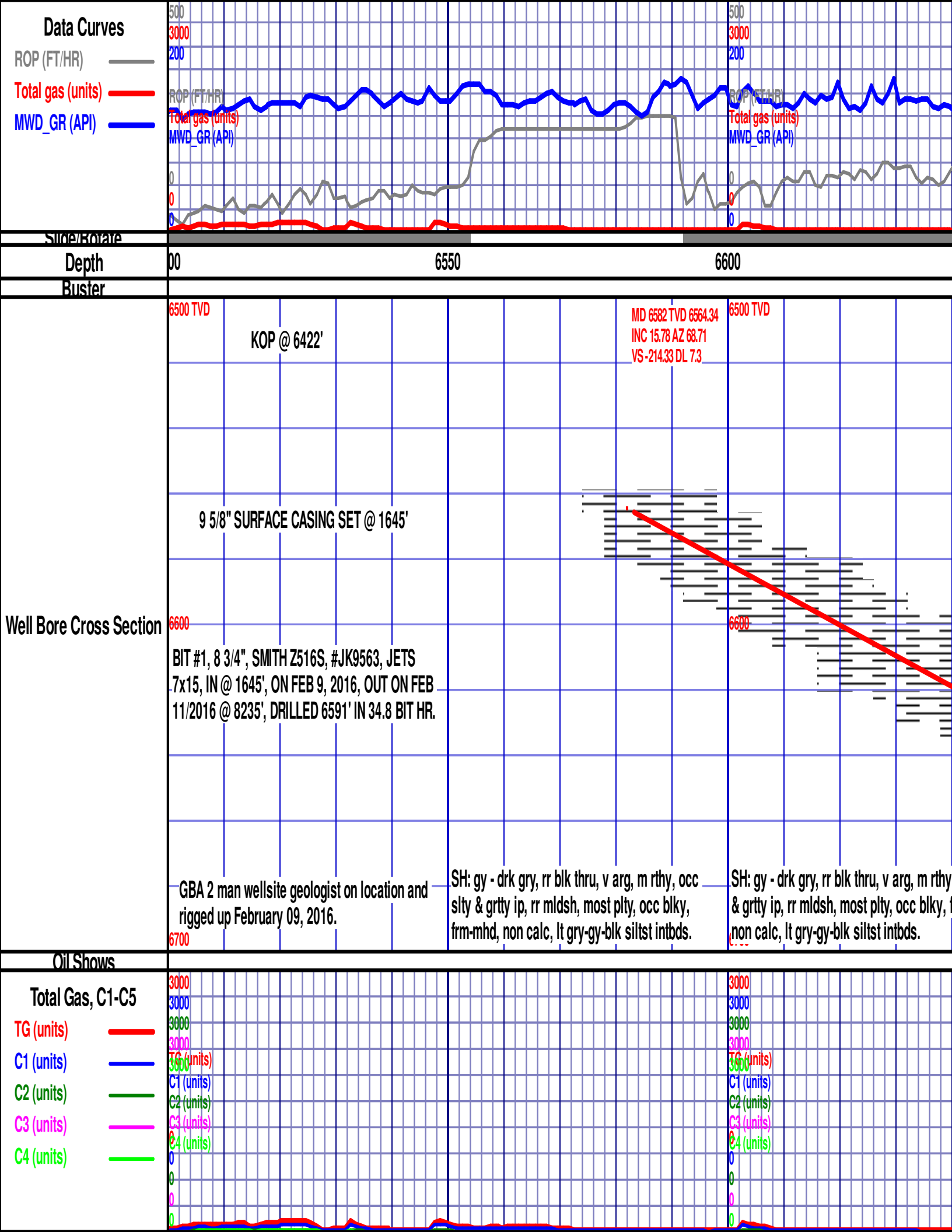
	Anhy		Oil sat.		Salt		Ss
	Bent		Congl		Shale		Chalk
	Brec		Dol		Shcol		Carb sh
	Cht		Gyp		Shgy		Slt sh
	Clyst		Lmst		Ss		
	Coal		Mrlst		Sltst		

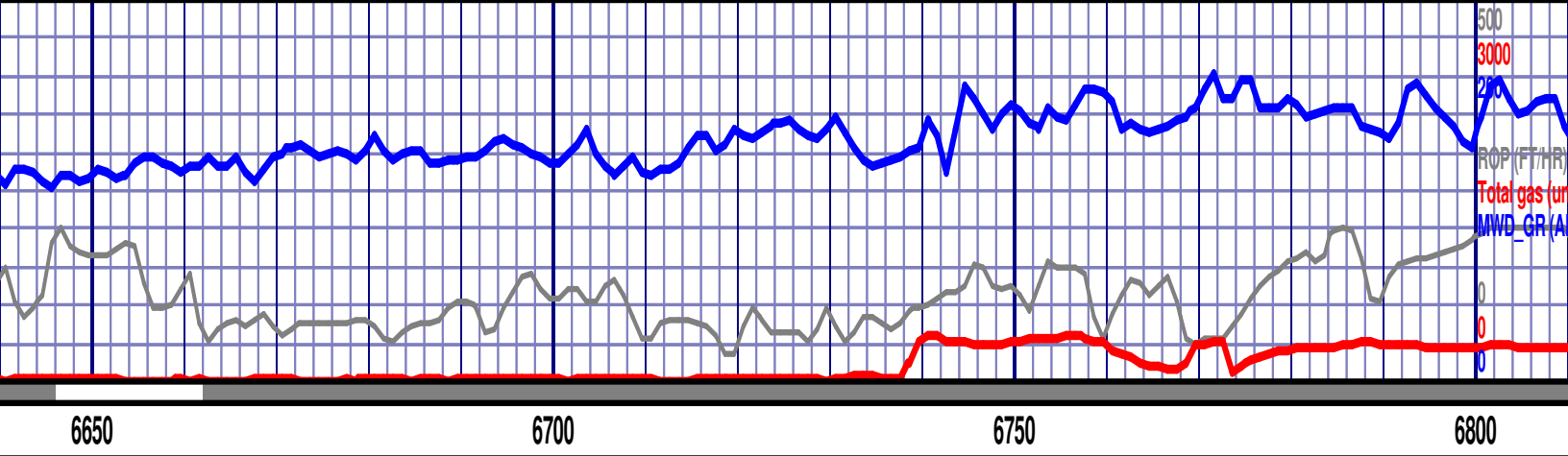
ACCESSORIES

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	TEXTURE	
	Carb		Sil		Ostra		Boundst
	Chtdk		Sulphur		Pelec		Chalky
	Chtlit		Tuff		Pellet		Cryxln
	Dol	FOSSIL			Pisolite		Earthy
	Feldspar		Algae		Plant		Finexln
	Ferrpel		Amph		Strom		Grainst
	Ferr		Belm	STRINGER			Lithogr
	Glau		Bioclst		Chlkstg		Microxln
	Gyp		Brach		Anhy		Mudst
	Hvymin		Bryozoa		Arg		Packst
	Kaol		Cephal		Bent		Wackest
	Marl		Coral		Coal		

OTHER SYMBOLS

OIL SHOWS		POROSITY TYPE			
	Even		Earthy		Pinpoint
	Spotted		Fenest		Vuggy
	Ques		Fracture	ROUNDING	
	Dead		Inter		Rounded
	Vspotty		Moldic		Subrnd
	near even		Organic		Subang
				SORTING	
					Well
					Moderate
					Poor





MD 6677 TVD 6653.91
INC 22.99 AZ 73.52
VS -184.46 DL 7.77

6700 TVD

MD 6770 TVD 6736.66
INC 31.15 AZ 78.03
VS -143.45 DL 9.04

6700 TVD

Scale Change
6800

6800

6900

6900

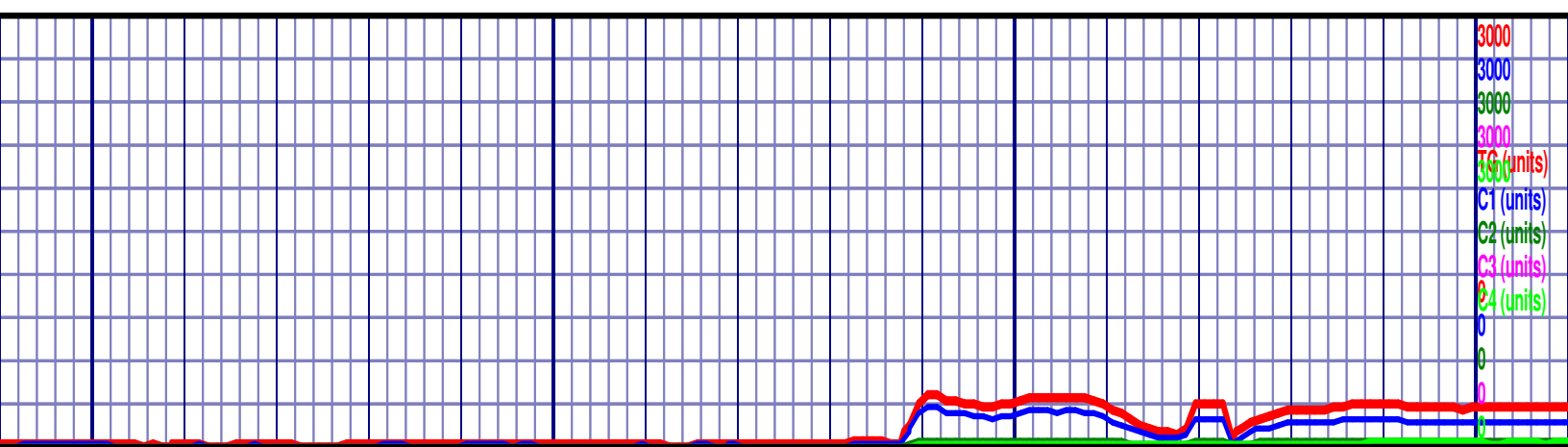
SH: gy - drk gry, rr blk thru, v arg, m rthy, occ
silty & grtty ip, rr midsh, most plty, occ blk,
frm-mhd, non calc, lt gry-gy-blk siltst intbds.

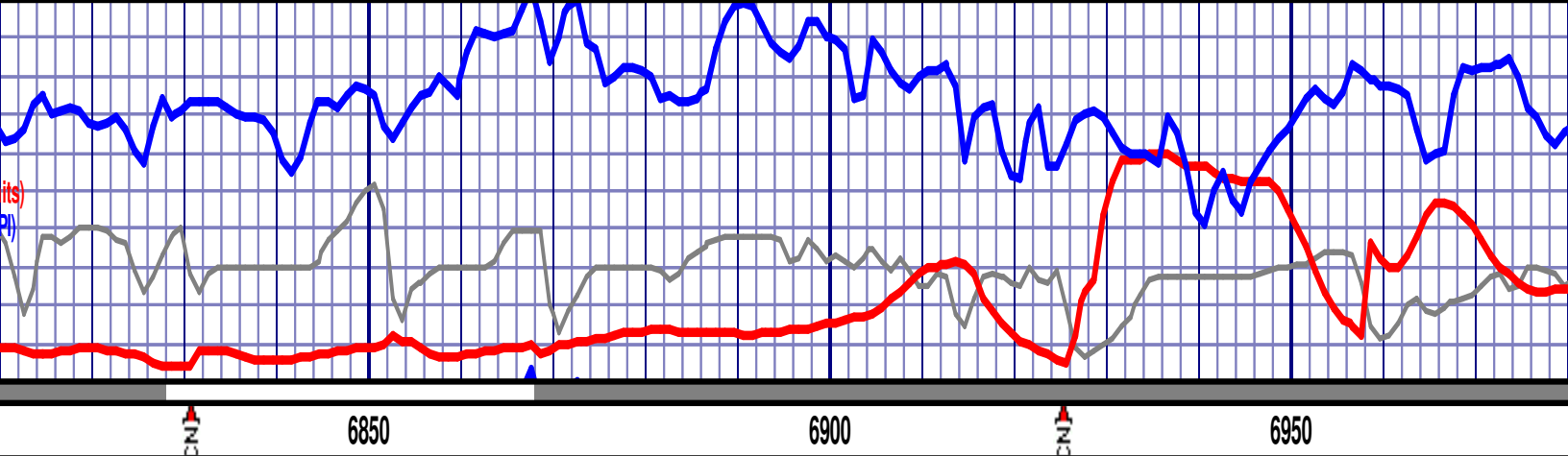
SH: gy-dk gy-blk, arg, rthy, silty & grtty ip, plty,
blkly - sb blkly, v rr midsh, occ sphrcl, occ crb,
m hd - frm, slcalc, SS stngr, NFSOC.

SH: gy-dk gy-blk, arg, rthy, silty & grtty ip, plty,
blkly - sb blkly, v rr midsh, occ sphrcl, occ crb, m
hd - frm, slcalc, SS stngr, NFSOC.

SH: gy-dk
blkly - sb
hd - frm, s

, occ silty
frm-mhd,





MD 6865 TVD 6815.99
INC 35.58 AZ 75.87
VS -92.59 DL 4.83

CHLK : lt-med drk gry-blk, v mttld w ltr crm micro
spcks, m smth- rthy txt, sbblky occ sbfiss ip,
occ carb, mstly frm, gold yls dry cut flour, m
fast pale-bri mlkywh cut, no res rng , MRLSTN
& SH intbds.

MD 6959 TVD 6888.12
INC 44.12 AZ 82.01
VS -33.53 DL 9.99

MRLSTN: dk gy, gysh bn oc
txt, pty-sbblky, frm, micritic
flour, no drycut flour, m slow
mlkywh cut, no res rng, CH

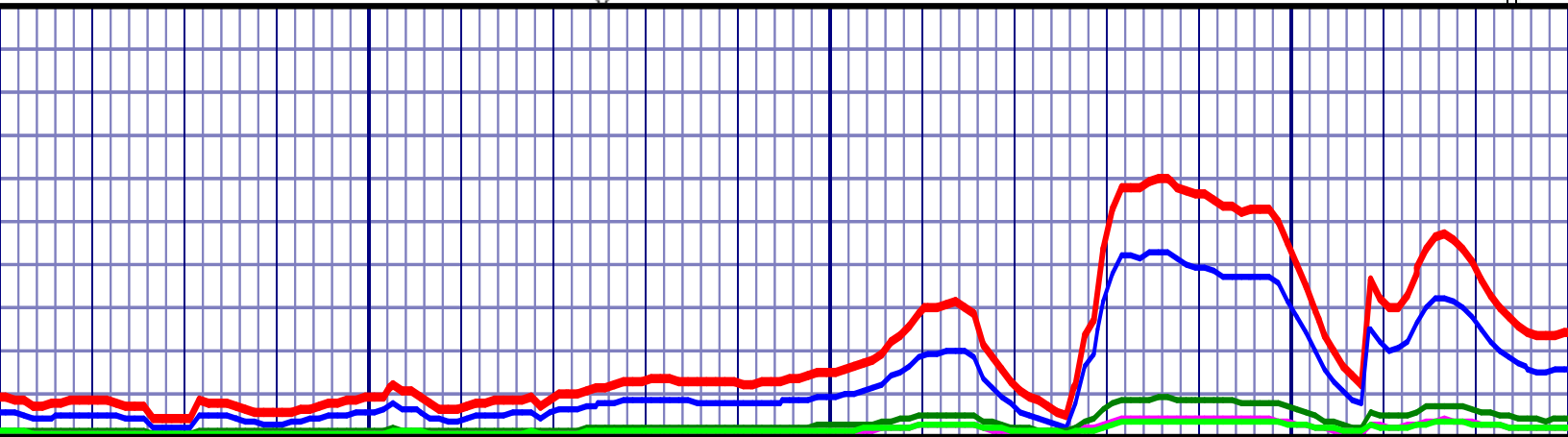
SHARON SPRINGS TOP @ 6859'MD,
6811' TVD

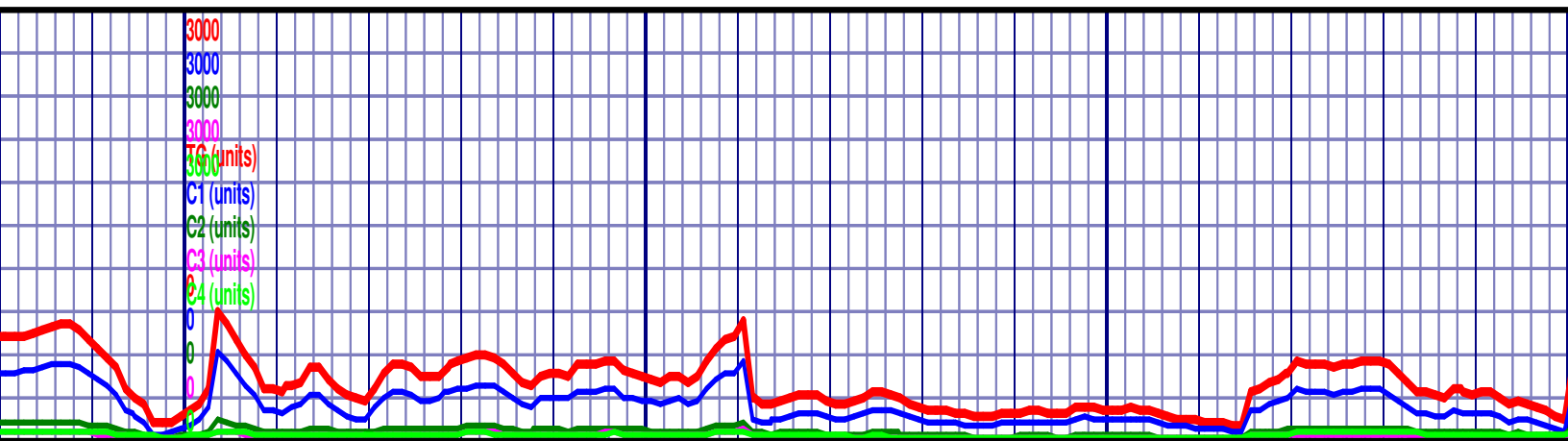
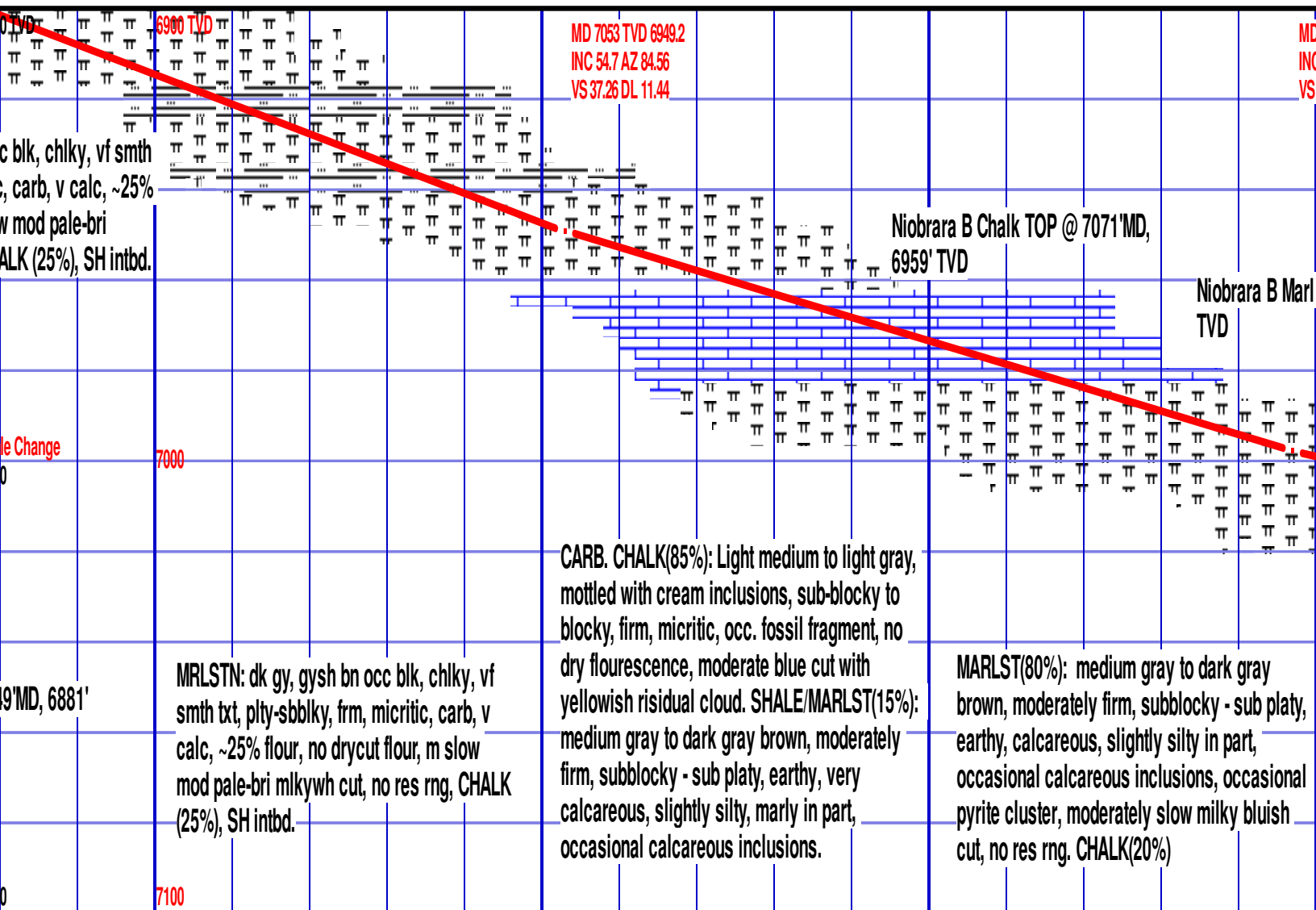
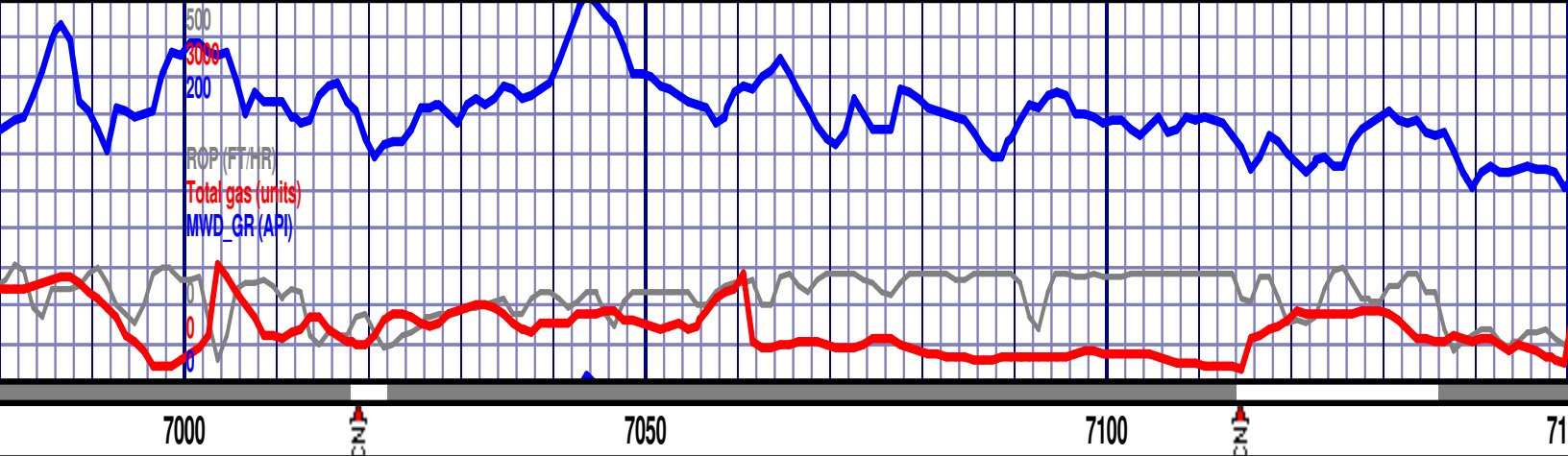
Niobrara A Chalk TOP @ 6915'MD,
6856' TVD

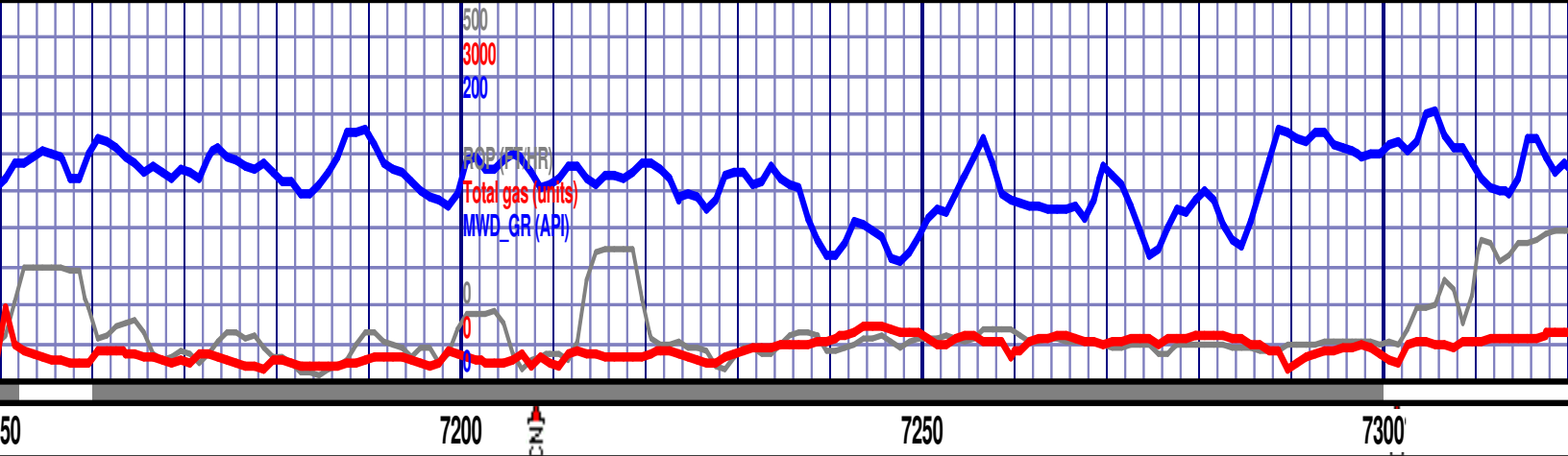
Niobrara A Marl TOP @ 694
TVD

gy-blk, arg, rthy, slty & grtty ip, pty,
blky, v rr midsh, occ sphrcl, occ crb, m
slcalc, SS stngr, NFSOC.

SH: gy-dk gy-blk, arg, rthy, slty & grtty ip, pty,
blky - sb blky, rr chlky, v rr midsh, occ sphrcl,
occ crb, m hd - frm, slcalc, SS stngr, NFSOC.







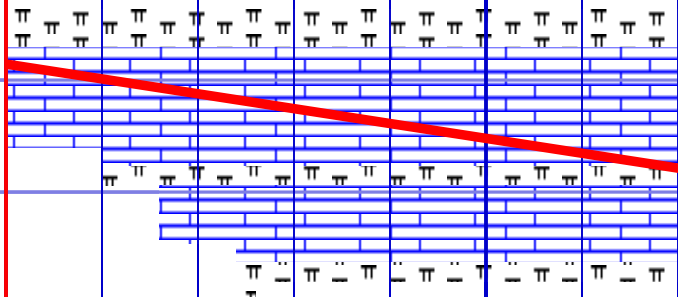
7147 TVD 6997.72
C 63.11 AZ 88.94
117.53 DL 9.8

6900 TVD

MD 7240 TVD 7034.48
INC 70.3 AZ 90.67
VS 202.88 DL 7.91

TOP @ 7092'MD, 6971'

MARLST(70%): medium gray to dark gray brown, moderately firm, subblocky - sub platy, earthy, calcareous, slightly silty in part, occasional calcareous inclusions, occasional pyrite cluster, moderately slow milky bluish cut, no res rng. SILTST(10%), CHALK(20%)



MARLST(60%): medium gray to dark gray brown, moderately firm, subblocky - sub platy, earthy, calcareous, slightly silty in part, occasional calcareous inclusions, occasional pyrite cluster, moderately slow milky bluish cut, no res rng. SILTSTONE(20%): light gray to light brown, poor to moderate consolidation. CHALK(20%)

7000

Niobrara C Chalk TOP @ 7239'MD, 7034' TVD

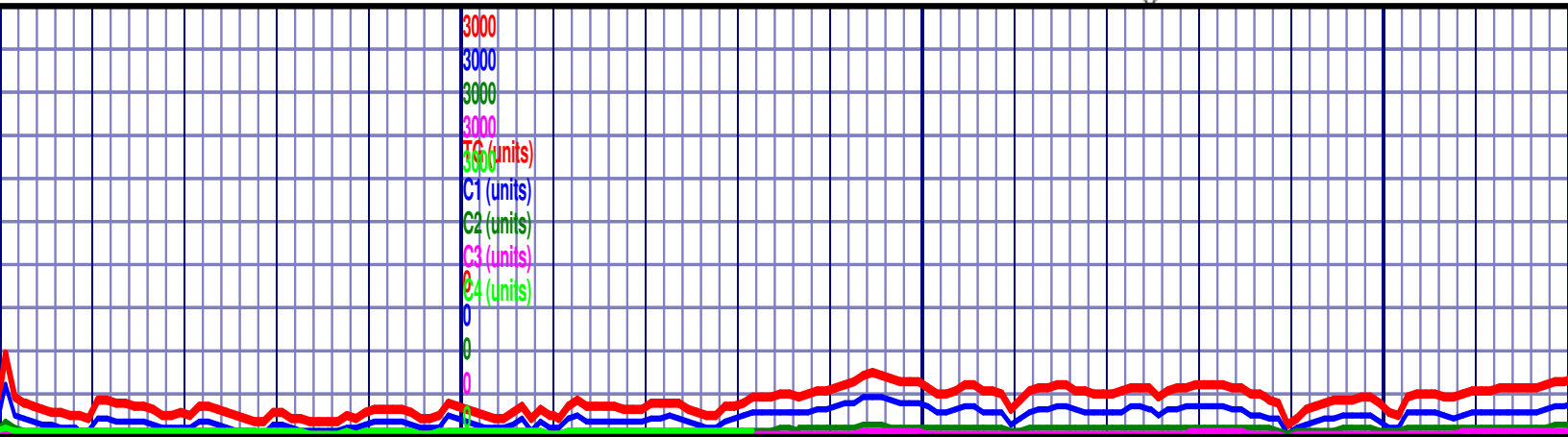
Scale Change
7400

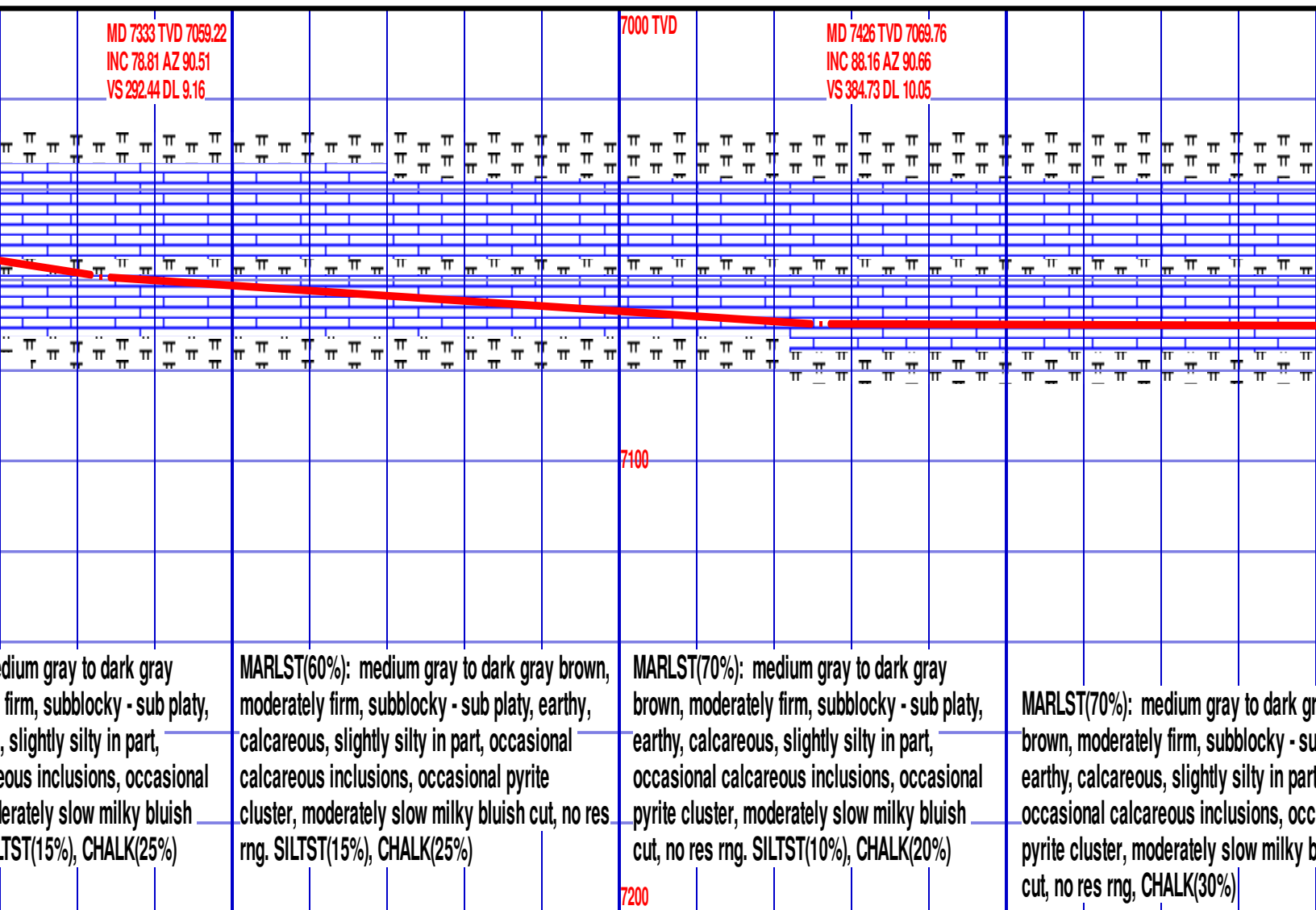
CARB. CHALK(60%): Light medium to light gray, mottled with cream inclusions, sub-blocky to blocky, firm, micritic, occ. fossil fragment, no dry fluorescence, moderate blue cut with yellowish residual cloud. SHALE/MARLST(40%): medium gray to dark gray brown, moderately firm, subblocky - sub platy, earthy, very calcareous, slightly silty, marly in part, occasional calcareous inclusions.

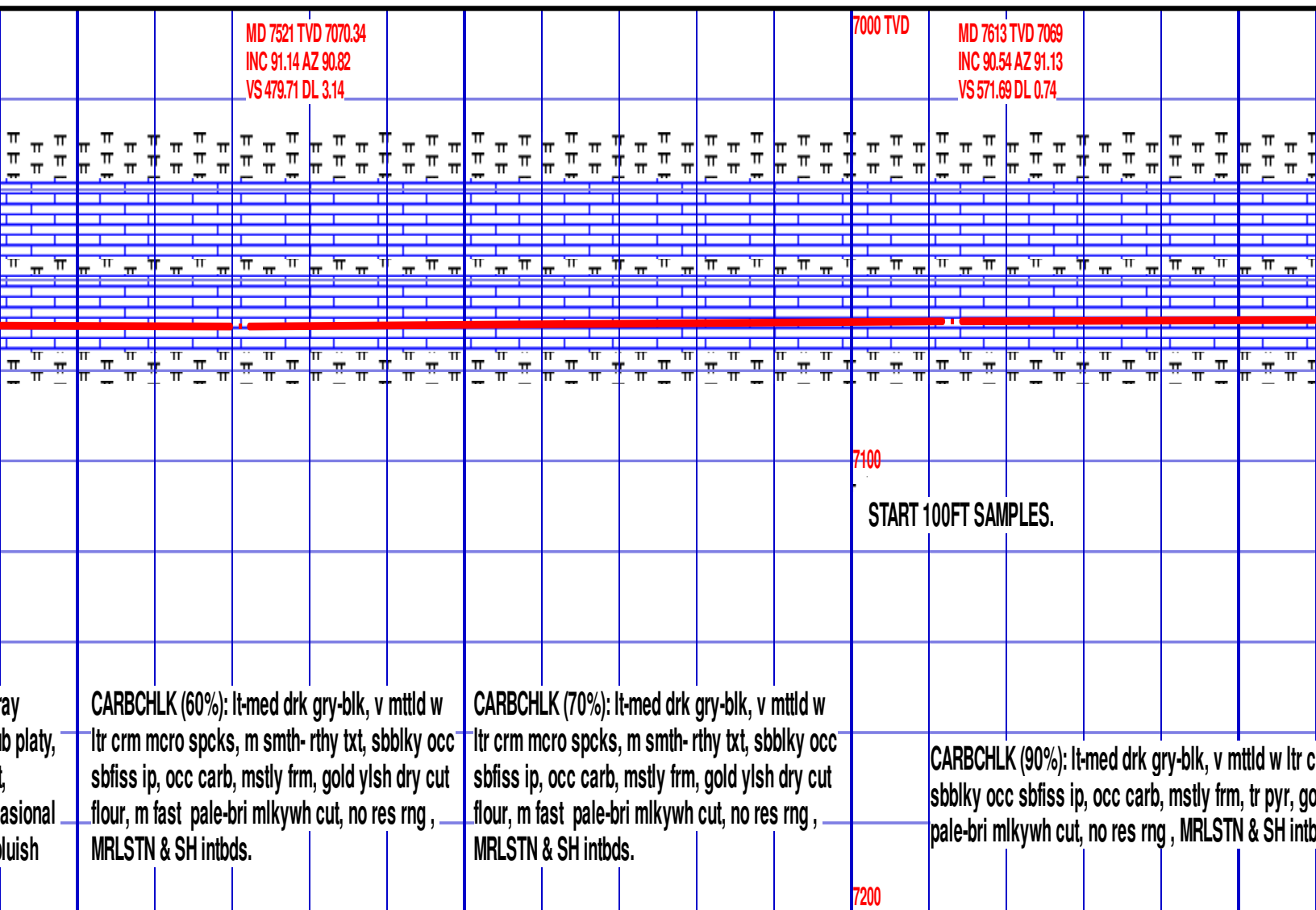
MARLST(60%): medium gray to dark gray brown, moderately firm, subblocky - sub platy, earthy, calcareous, slightly silty in part, occasional calcareous inclusions, occasional pyrite cluster, moderately slow milky bluish cut, no res rng. SILTSTONE(10%), CHALK(20%)

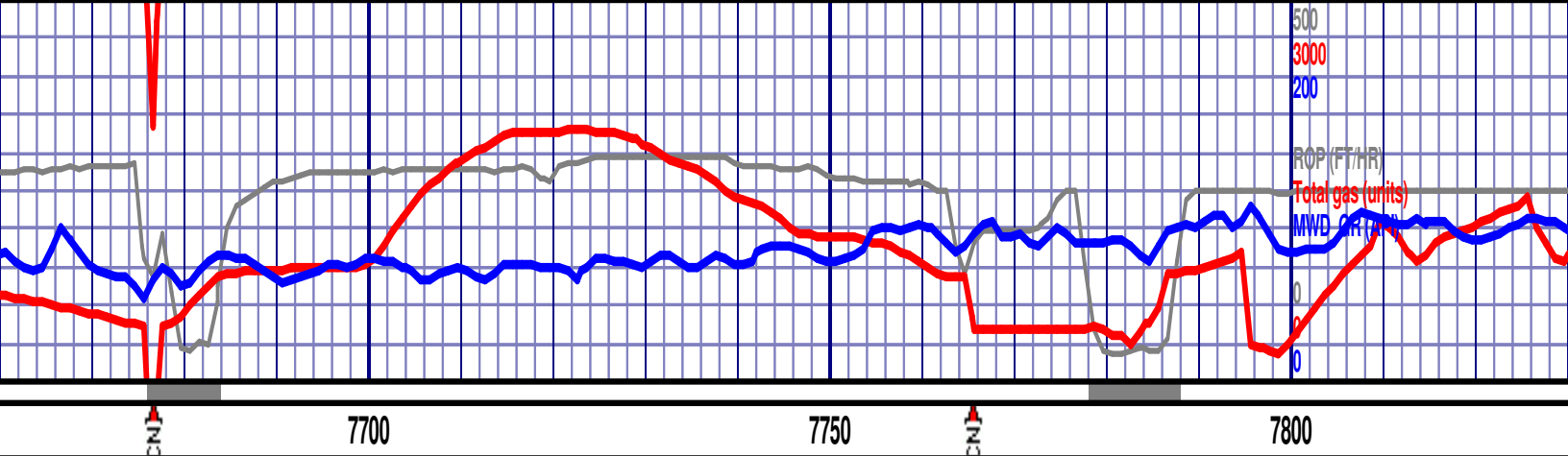
7100

7200



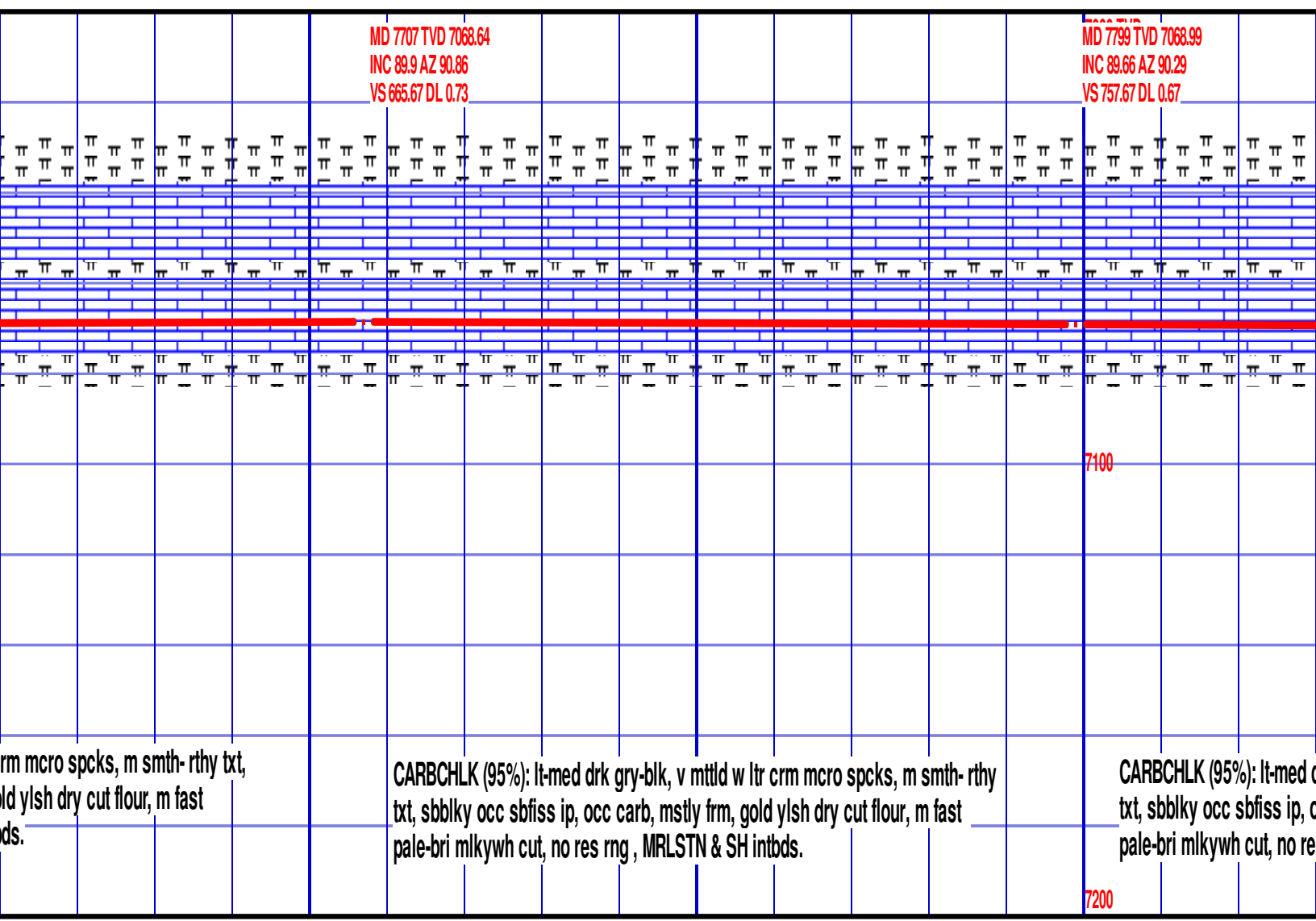






MD 7707 TVD 7068.64
INC 89.9 AZ 90.86
VS 665.67 DL 0.73

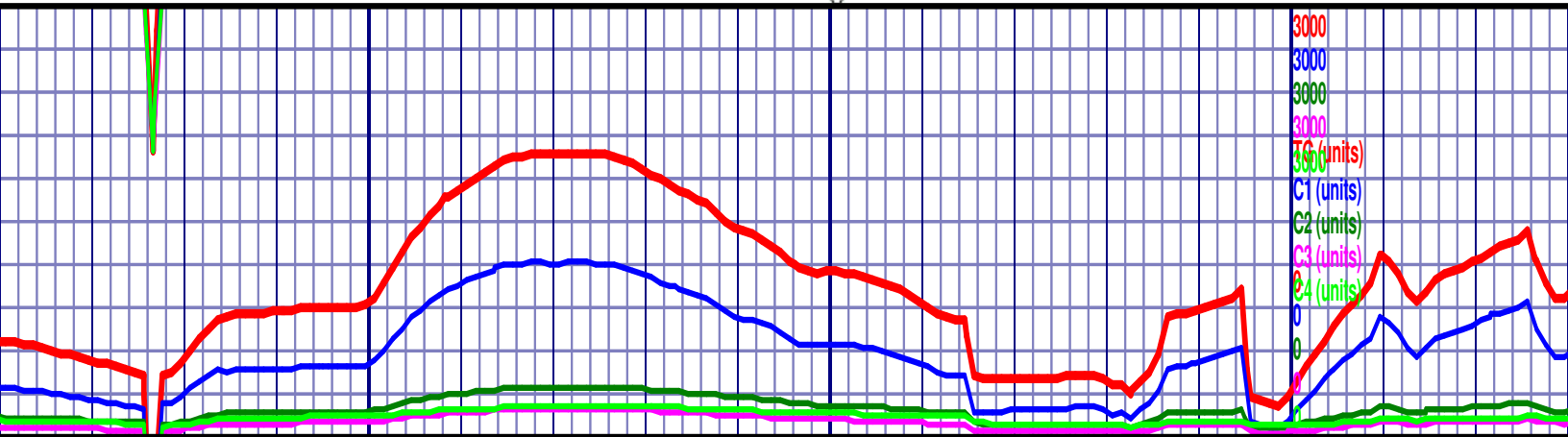
MD 7799 TVD 7068.99
INC 89.66 AZ 90.29
VS 757.67 DL 0.67

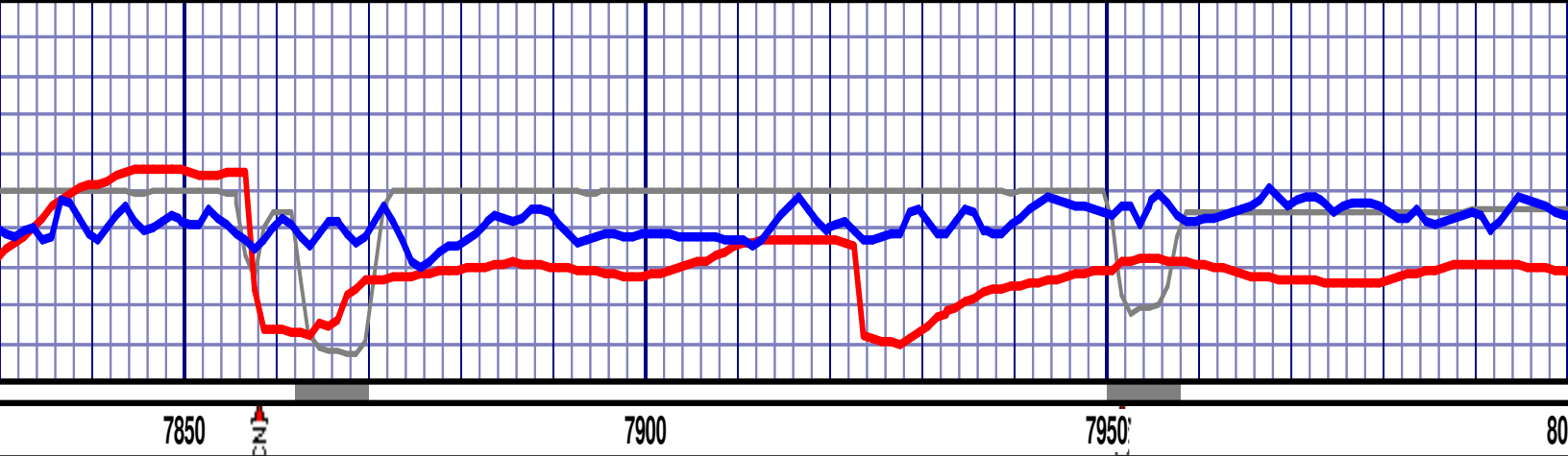


rm micro spcks, m smth- rthy txt,
old yish dry cut flour, m fast
ds.

CARBCHLK (95%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy
txt, sbblky occ sbfiss ip, occ carb, mstly frm, gold yish dry cut flour, m fast
pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

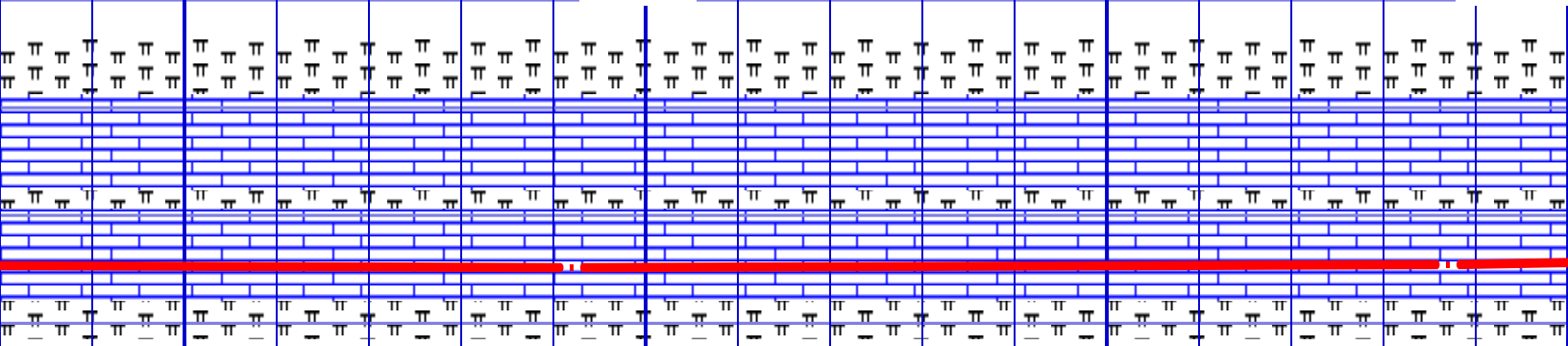
CARBCHLK (95%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy
txt, sbblky occ sbfiss ip, occ carb, mstly frm, gold yish dry cut flour, m fast
pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.





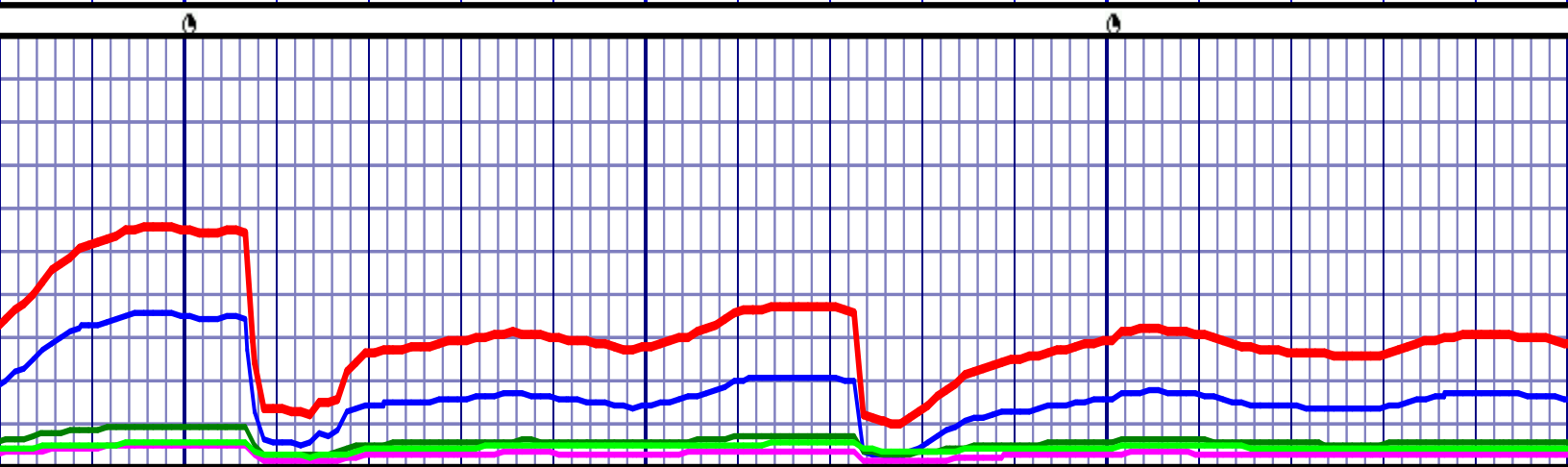
MD 7892 TVD 7069.75
INC 89.39 AZ 90.43
VS 850.66 DL 0.33

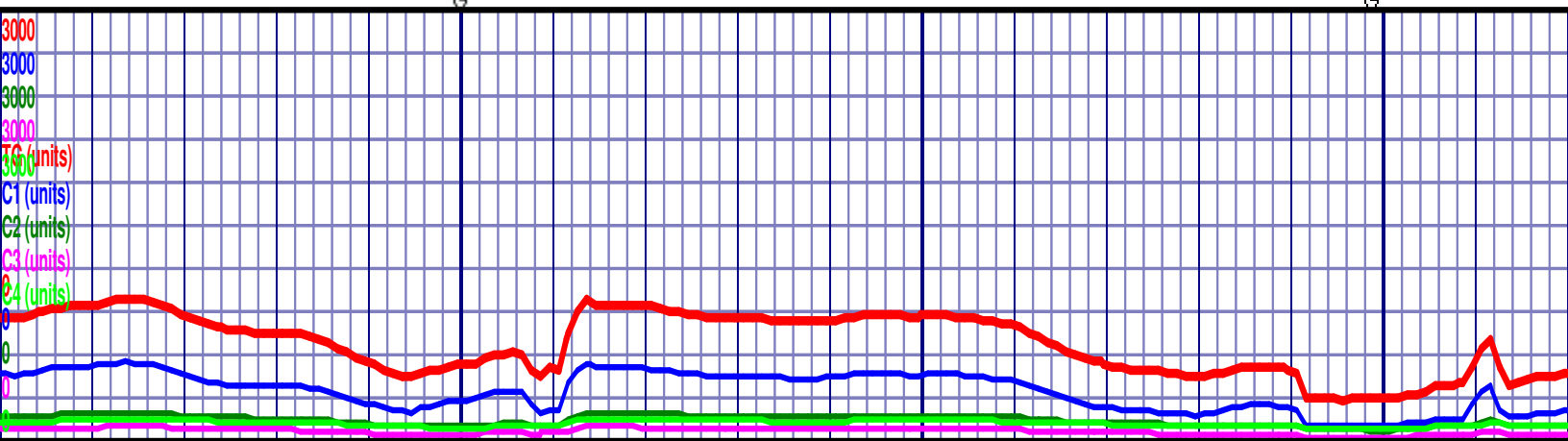
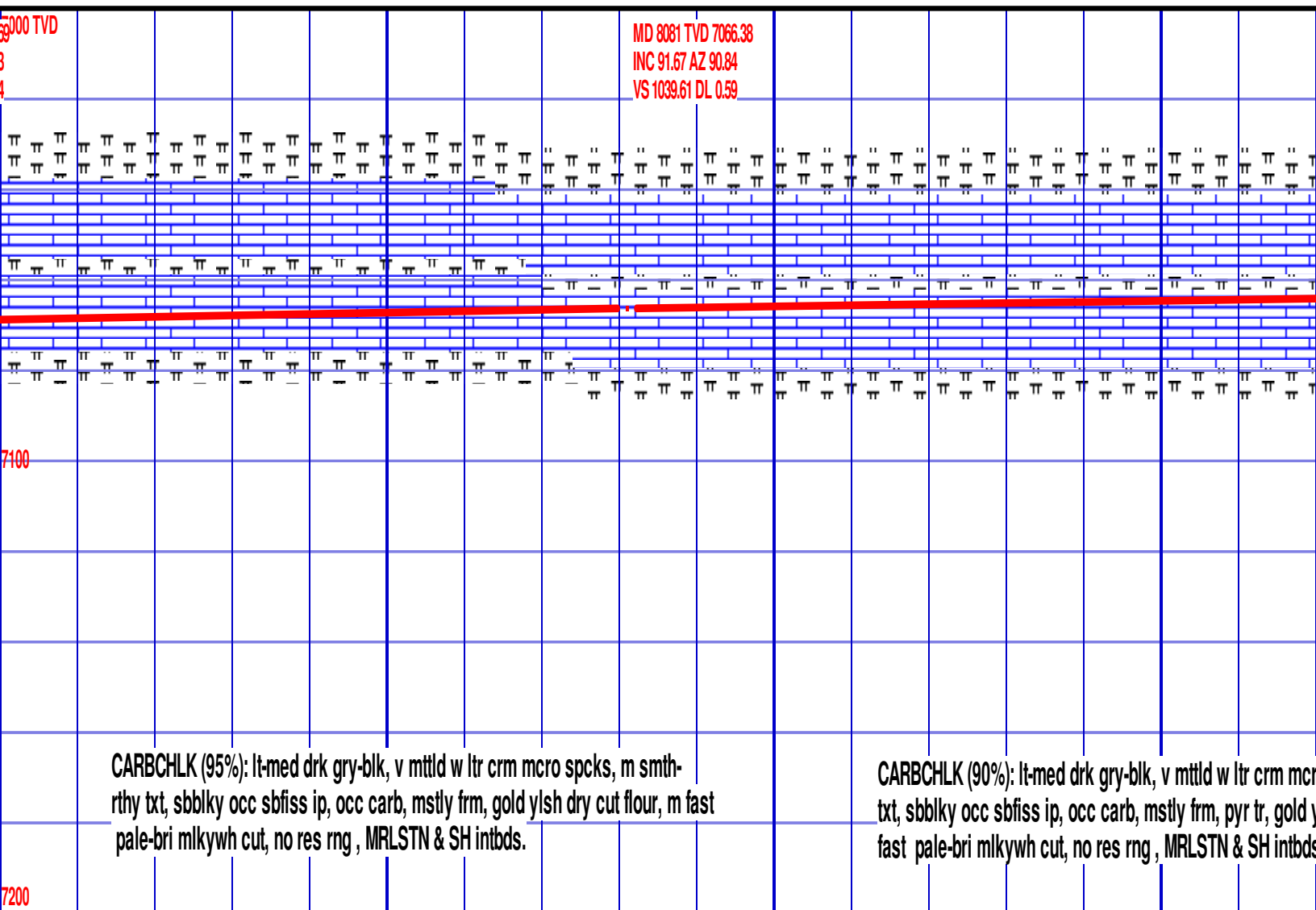
MD 7987 TVD 7069.75
INC 91.52 AZ 90.43
VS 945.65 DL 2.24

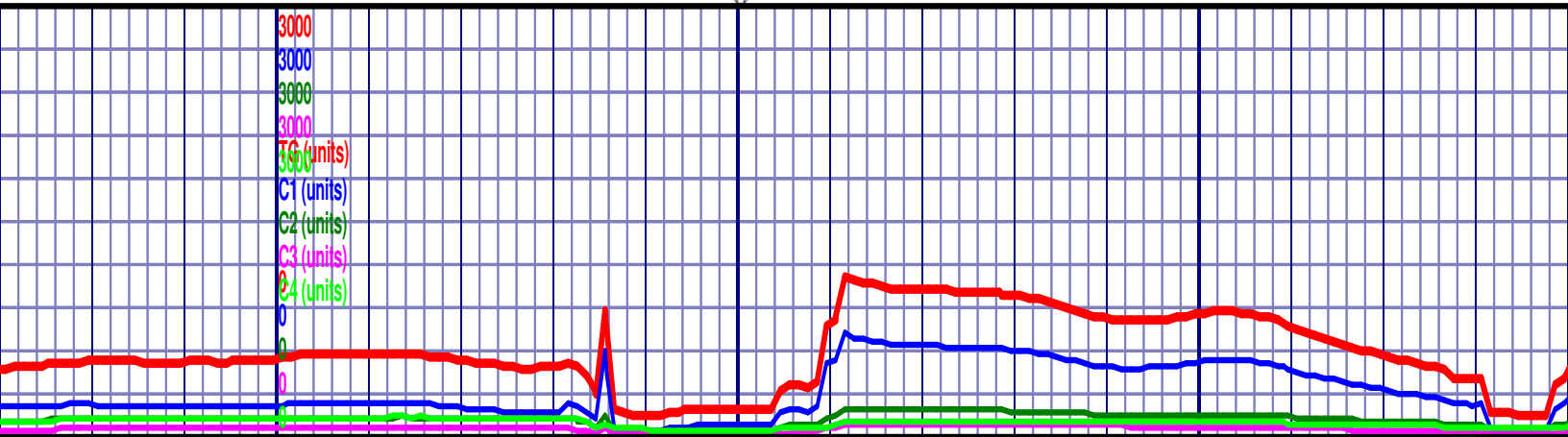
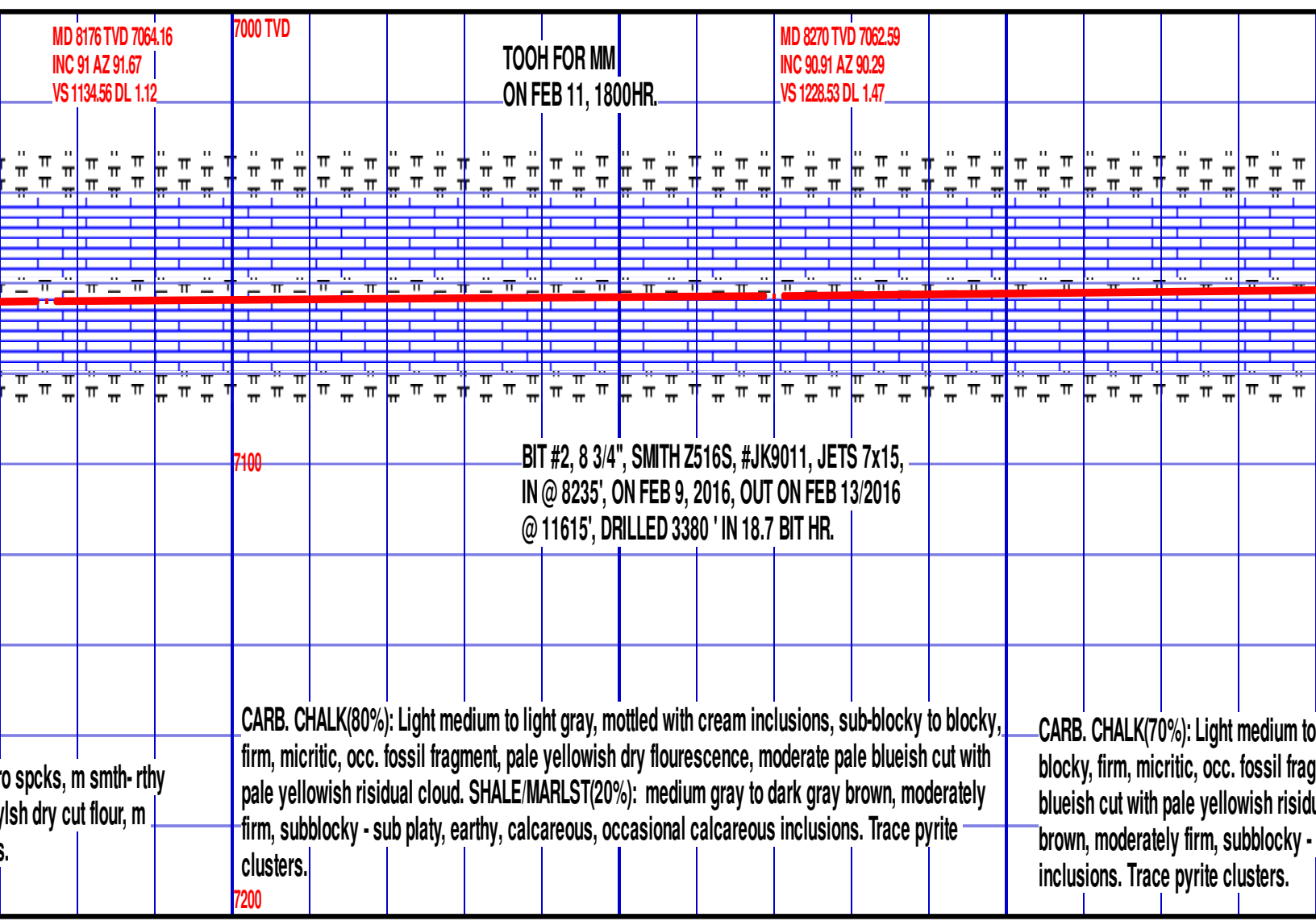
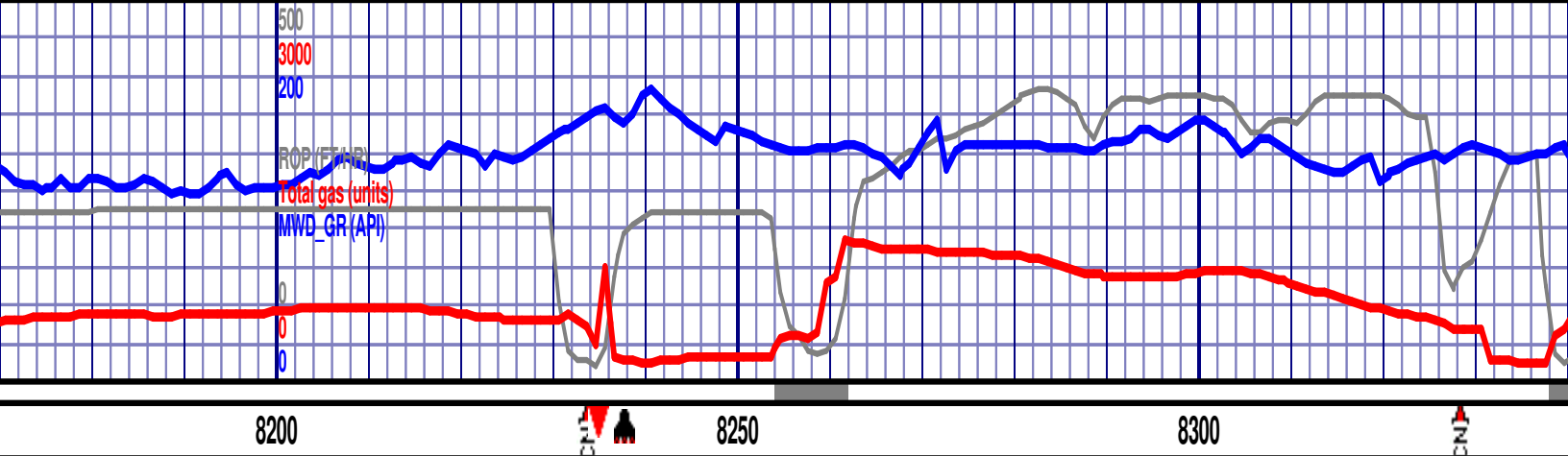


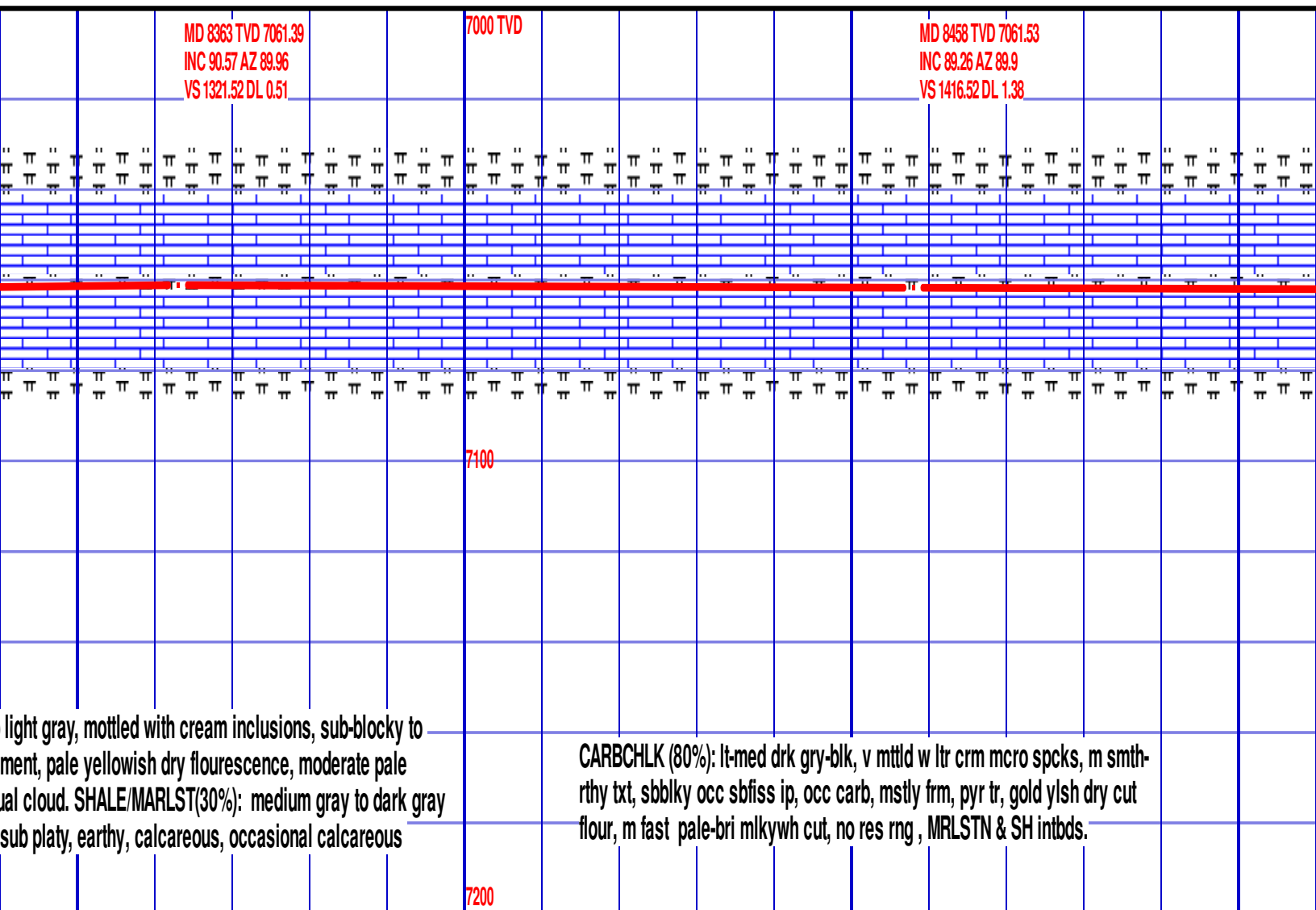
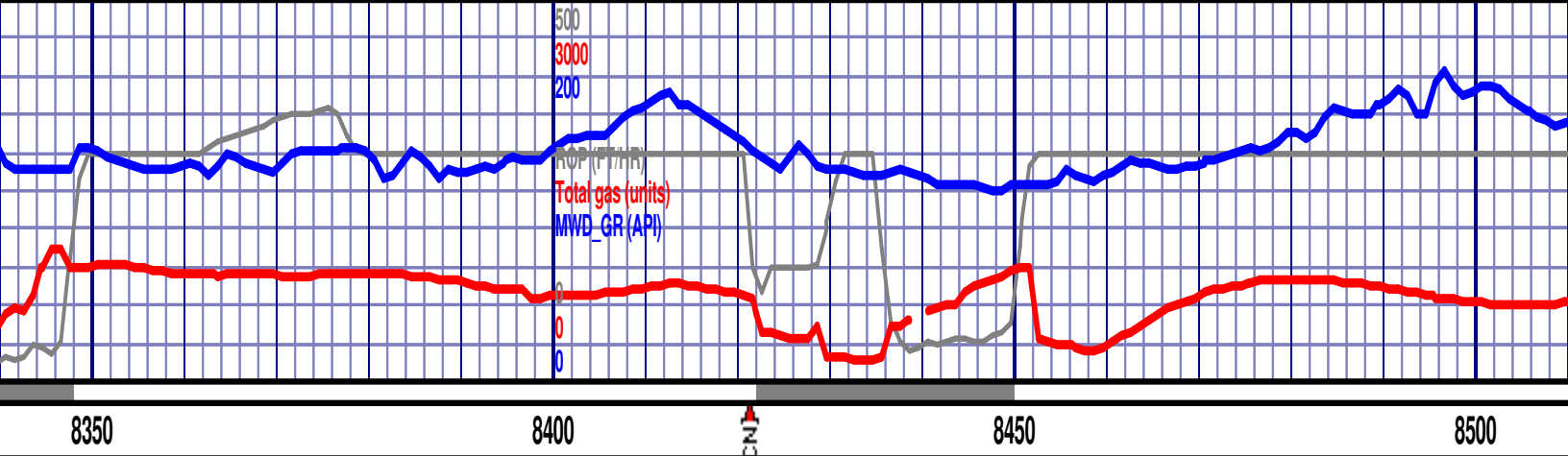
drk gry-blk, v mtld w ltr crm micro spcks, m smth- rthy
occ carb, mstly frm, gold ylsd dry cut flour, m fast
s rng , MRLSTN & SH intbds.

CARBCHLK (95%): lt-med drk gry-blk, v mtld w ltr crm micro spcks, m smth- rthy
txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour, m
fast pale-bri mkywh cut, no res rng , MRLSTN & SH intbds.



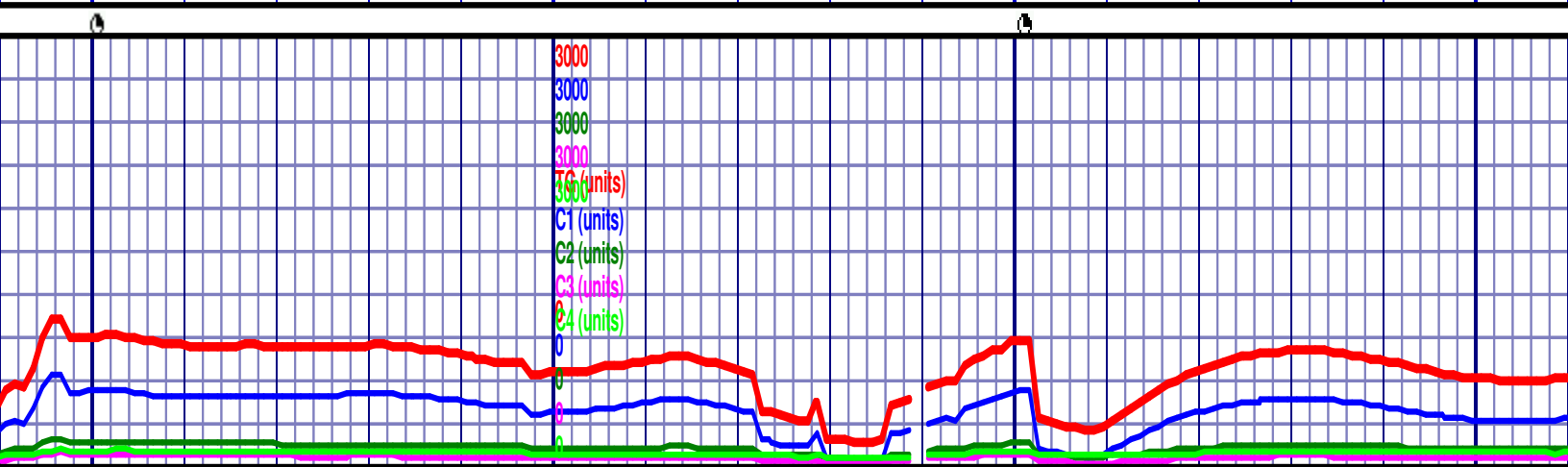


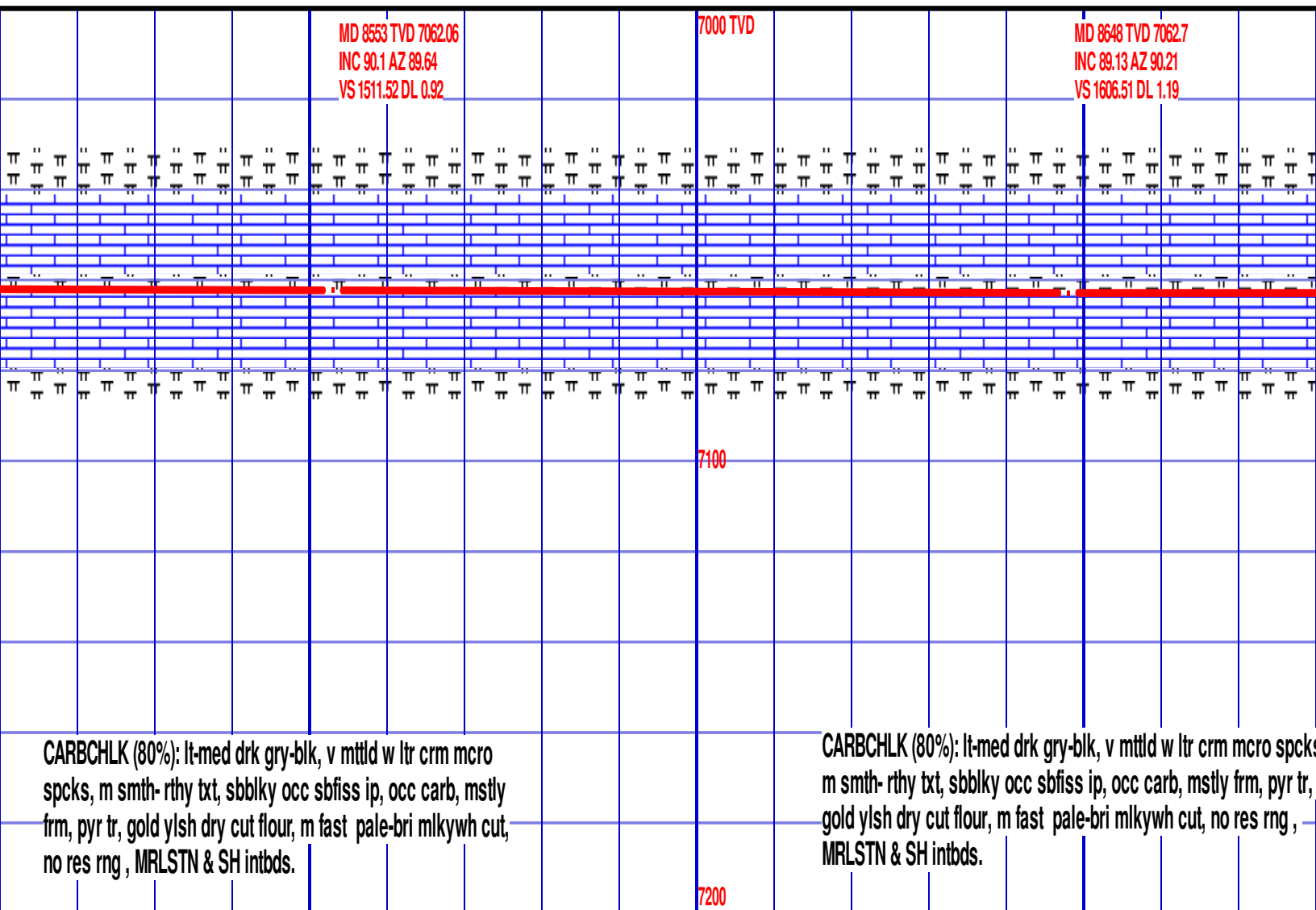




light gray, mottled with cream inclusions, sub-blocky to
ment, pale yellowish dry fluorescence, moderate pale
ual cloud. SHALE/MARLST(30%): medium gray to dark gray
sub platy, earthy, calcareous, occasional calcareous

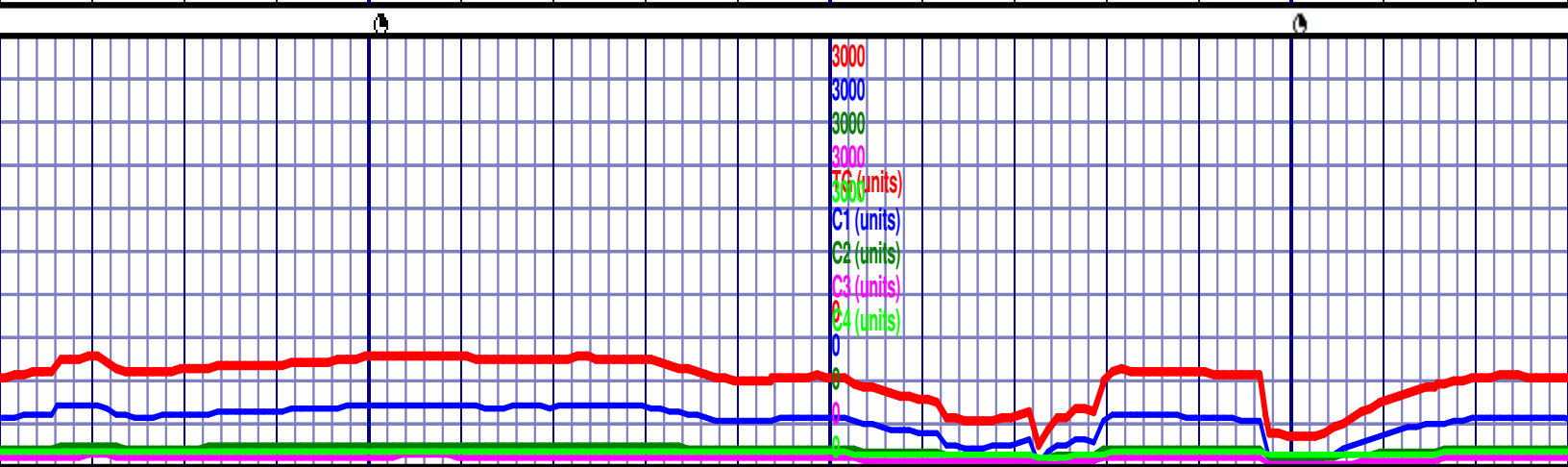
CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-
rthy txt, sbbiky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylish dry cut
flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.

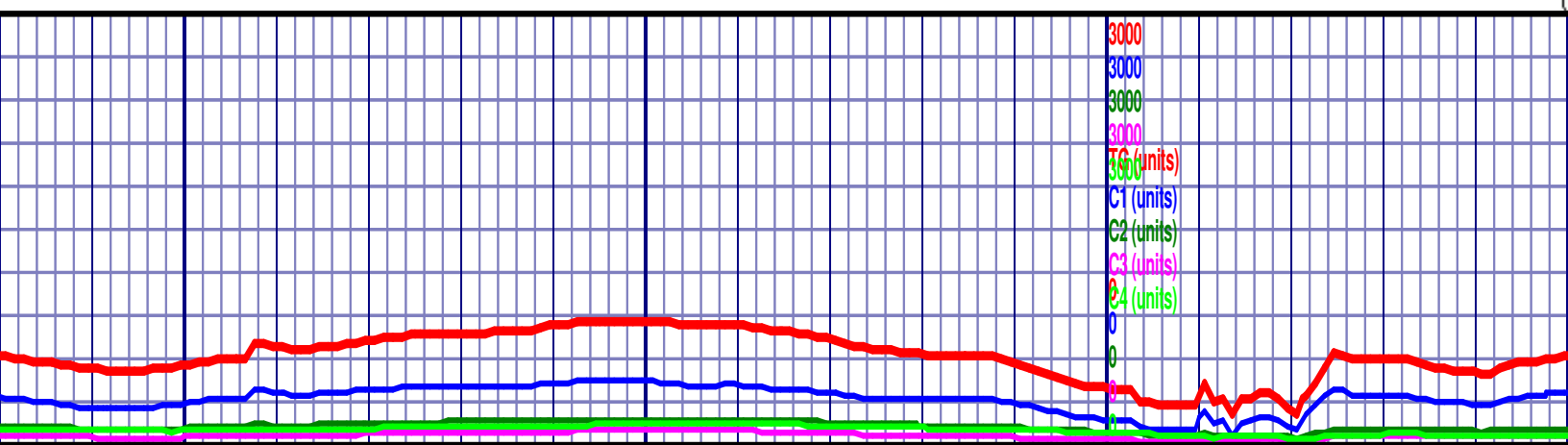
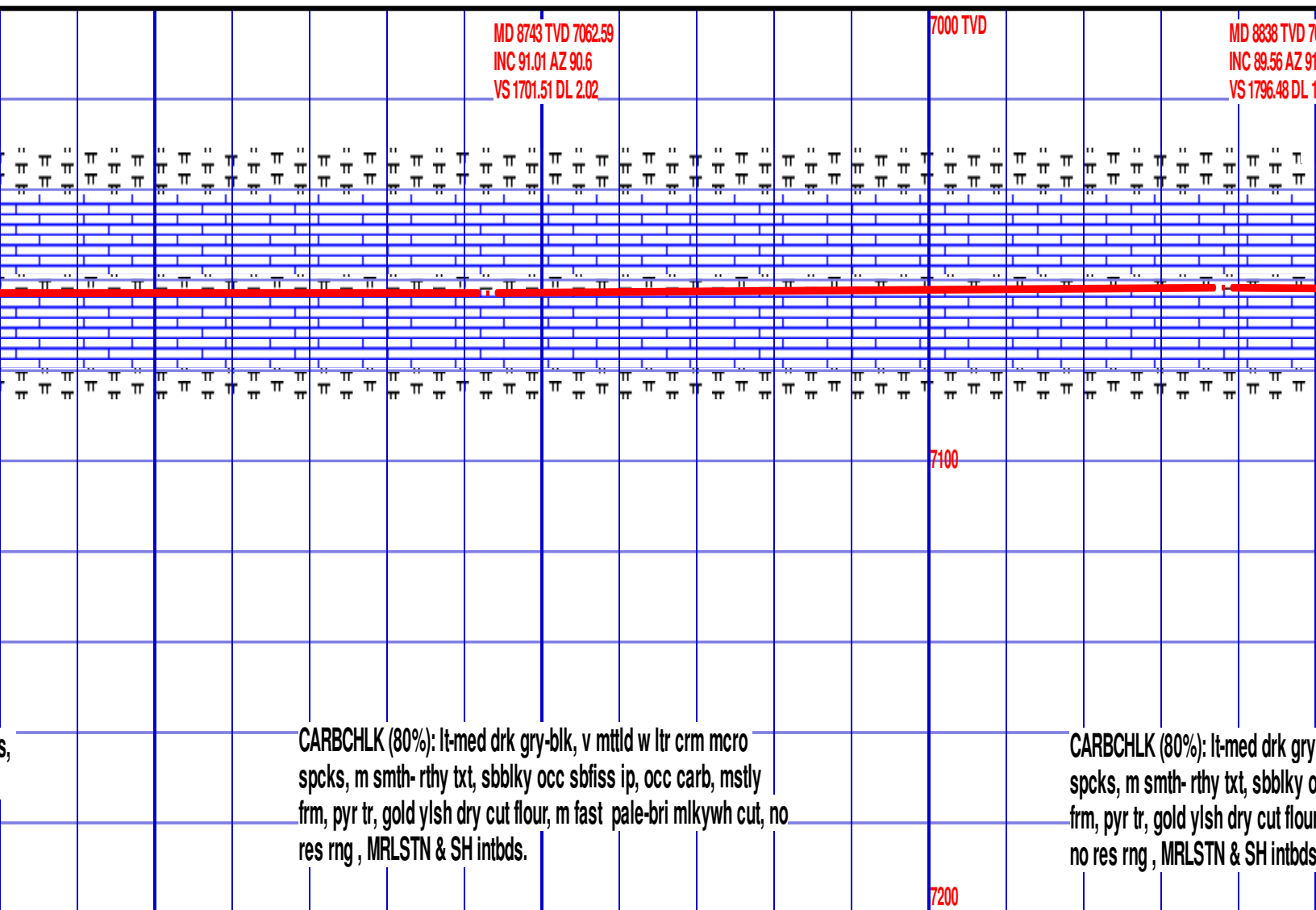
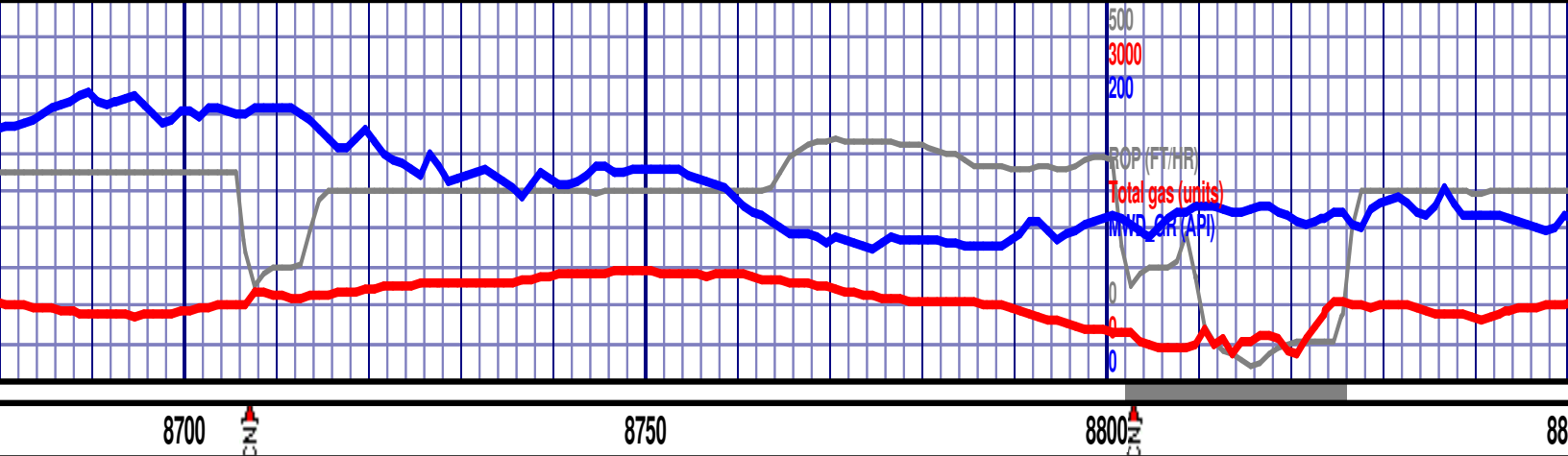


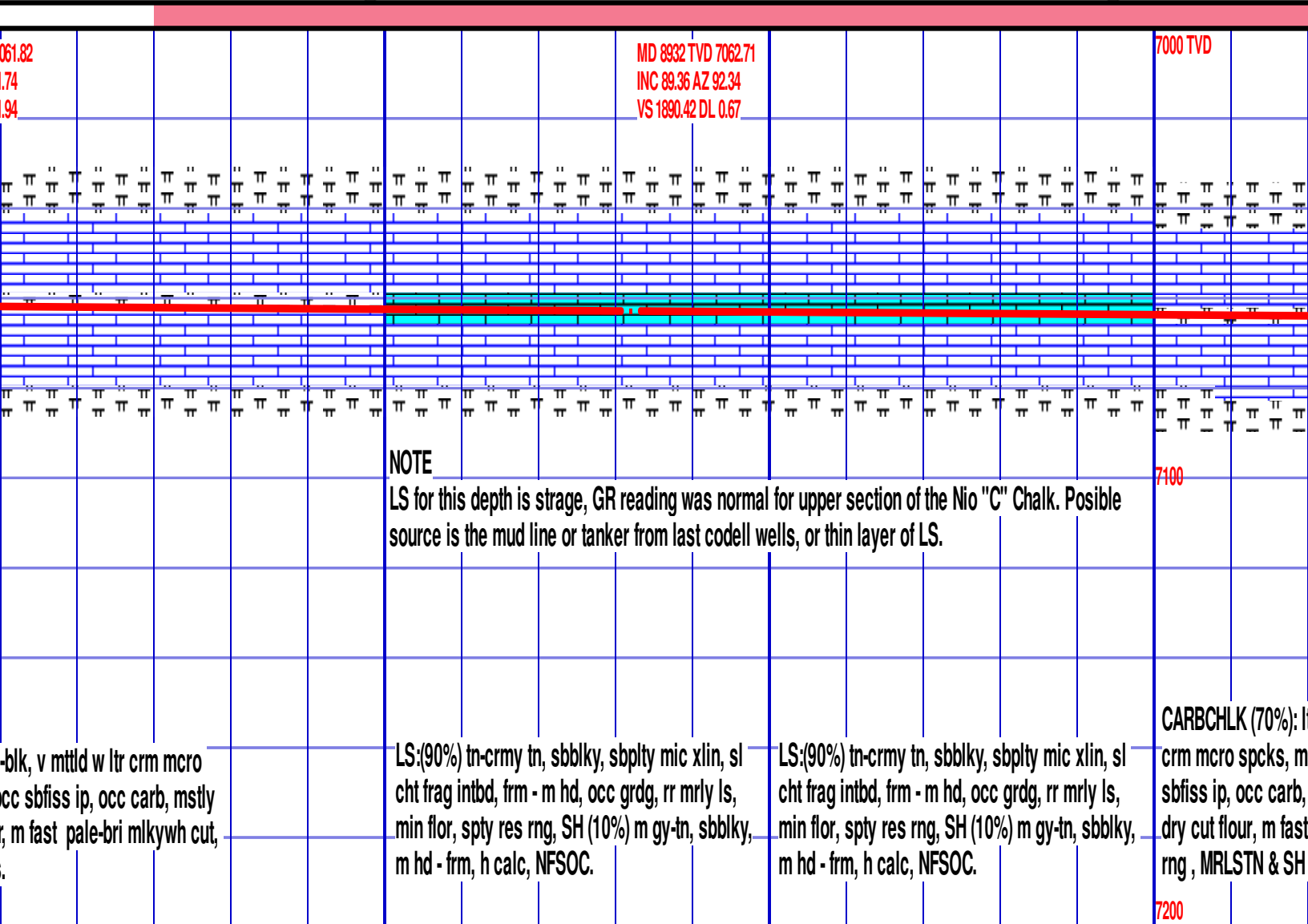


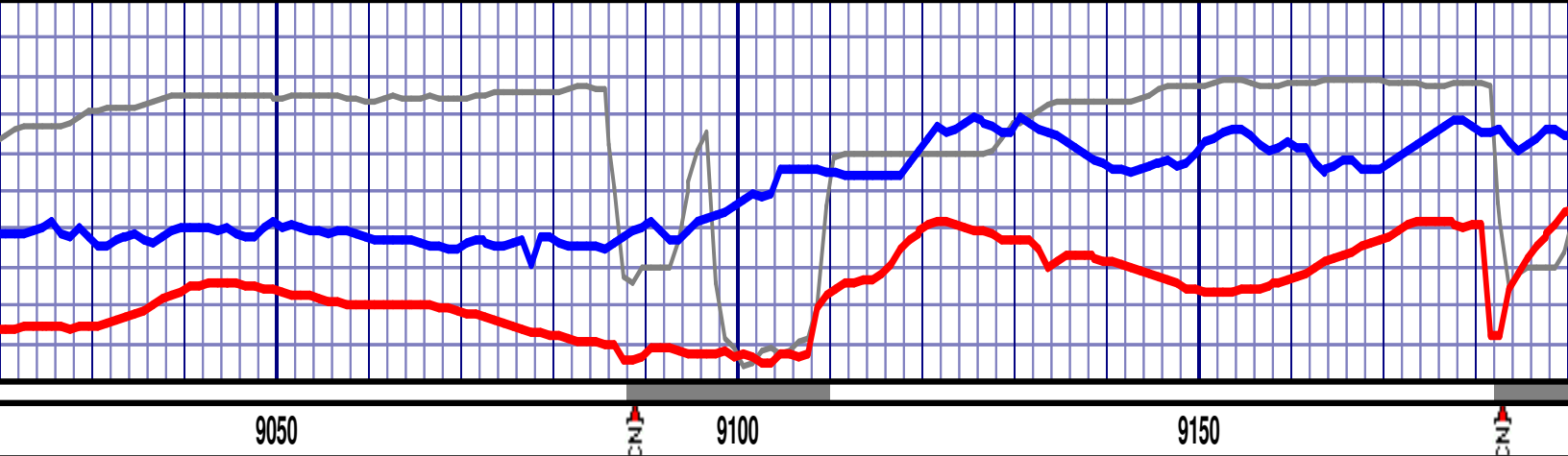
CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr crm mcro
spcks, m smth- rthy txt, sbbly occ sbfiss ip, occ carb, mstly
frm, pyr tr, gold ylsh dry cut flour, m fast pale-bri mkywh cut,
no res rng , MRLSTN & SH intbds.

CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr crm mcro spcks
m smth- rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr,
gold ylsh dry cut flour, m fast pale-bri mlkywh cut, no res rng ,
MRLSTN & SH intbds.



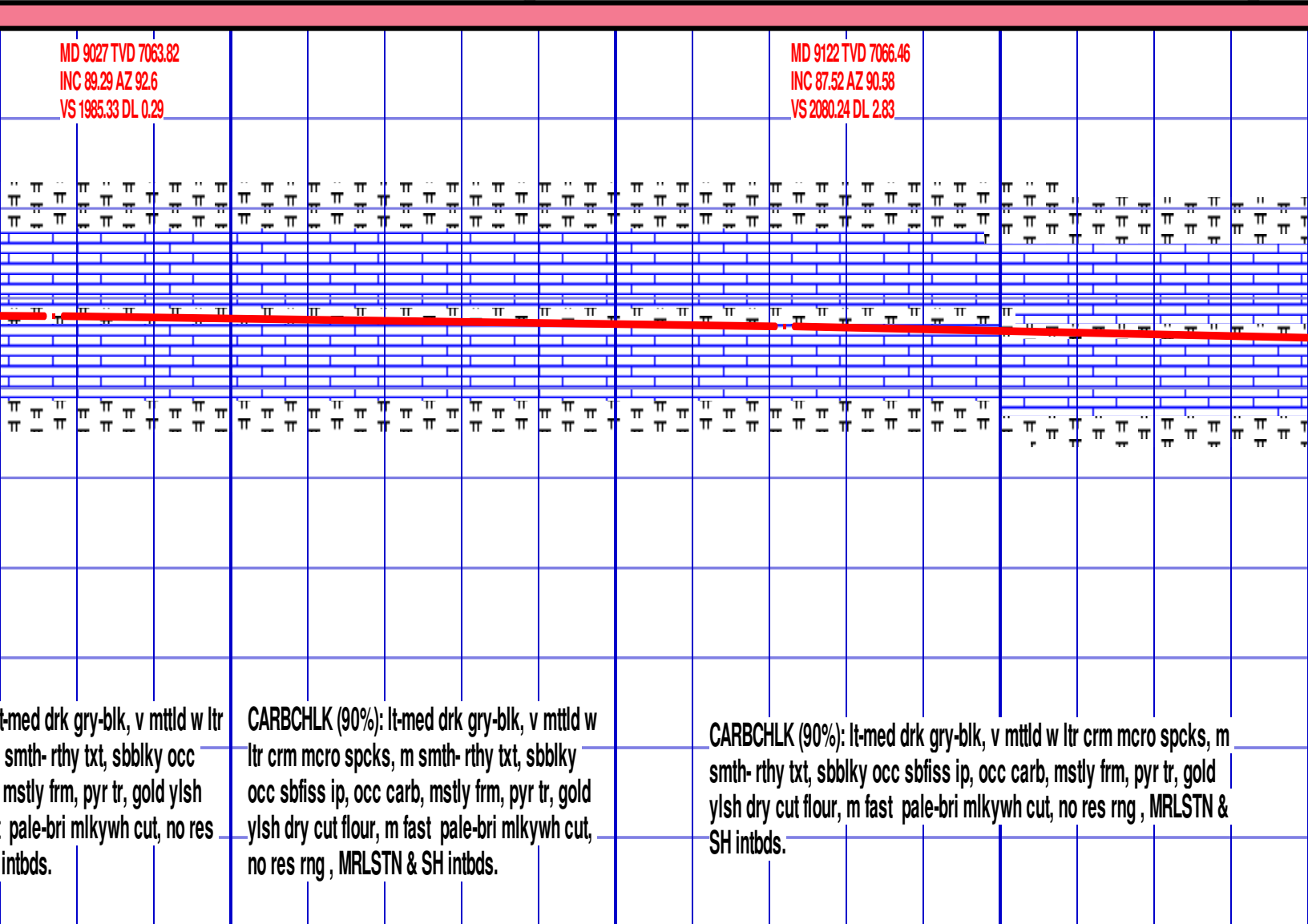






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INC 89.29 AZ 92.6
VS 1985.33 DL 0.29

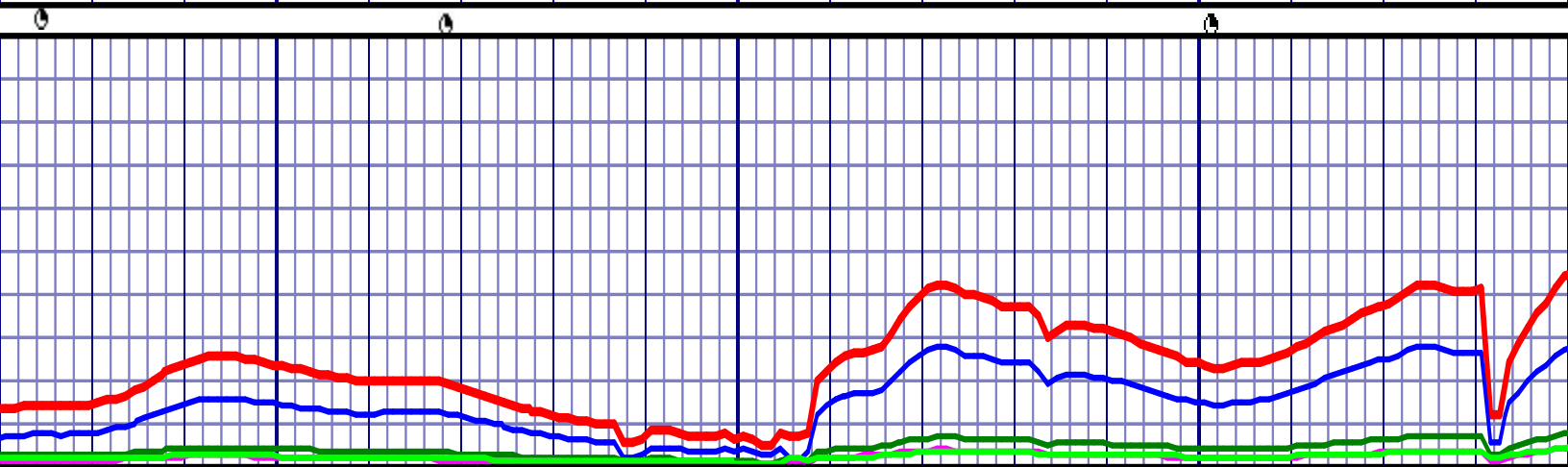
MD 9122 TVD 7066.46
INC 87.52 AZ 90.58
VS 2080.24 DL 2.83

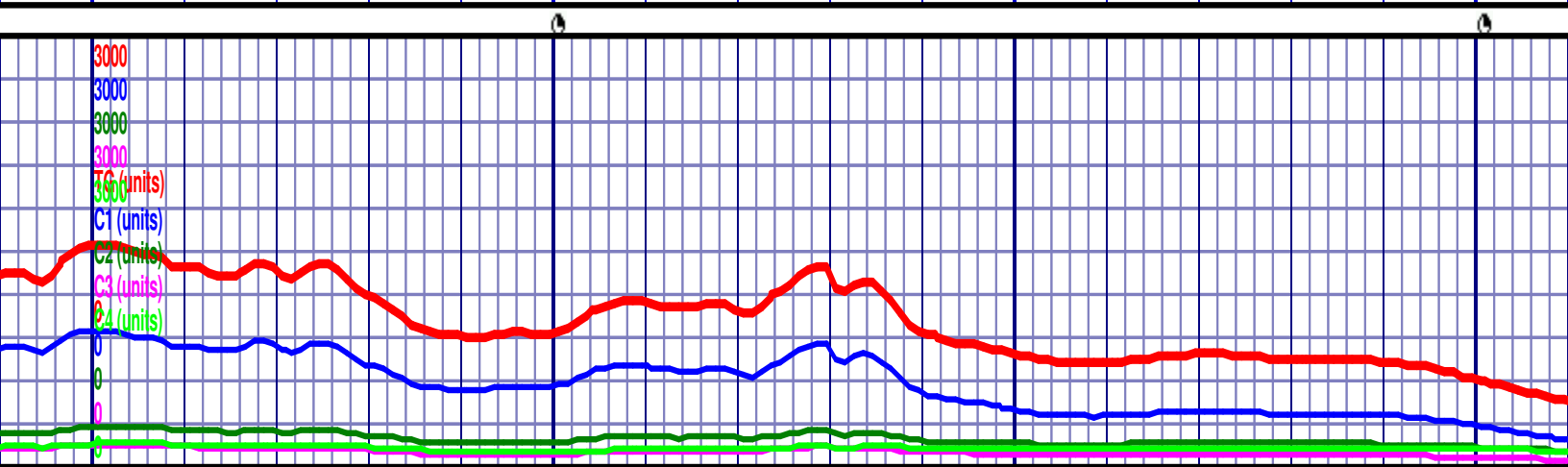
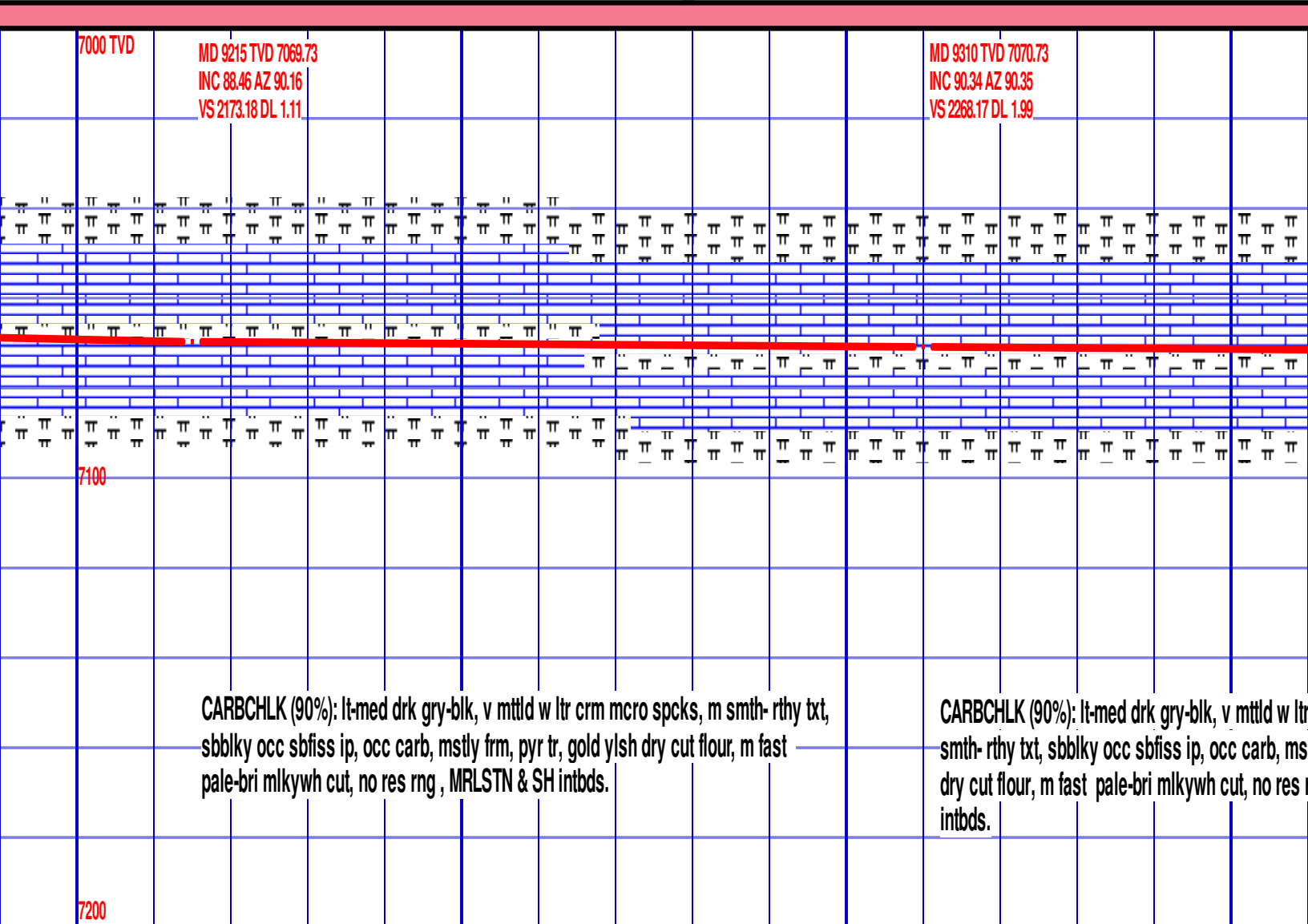
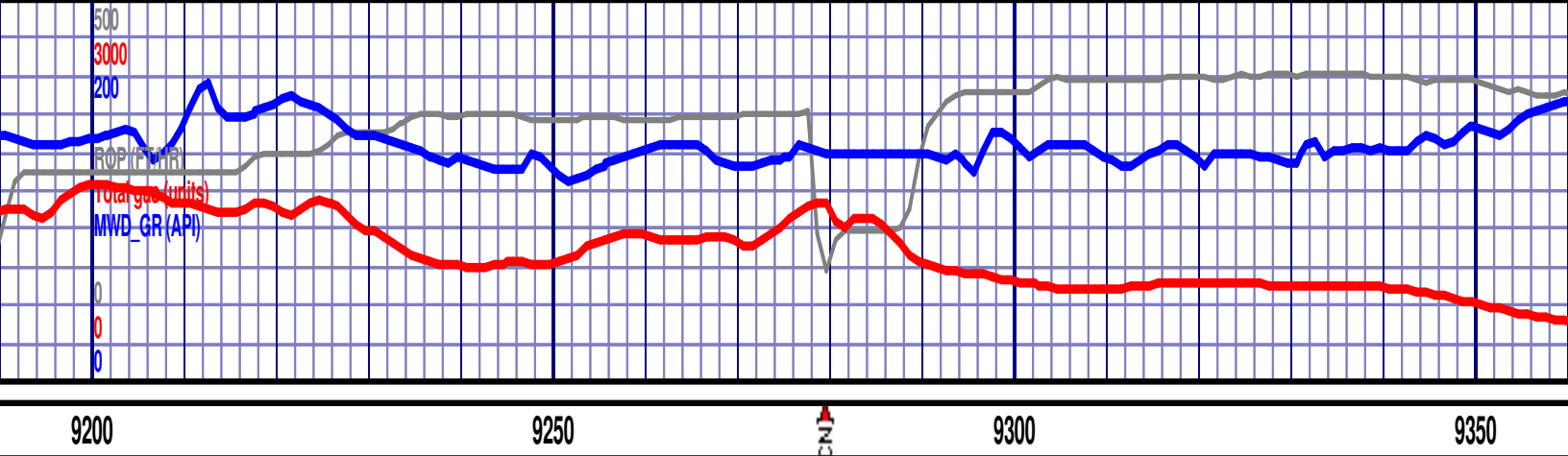


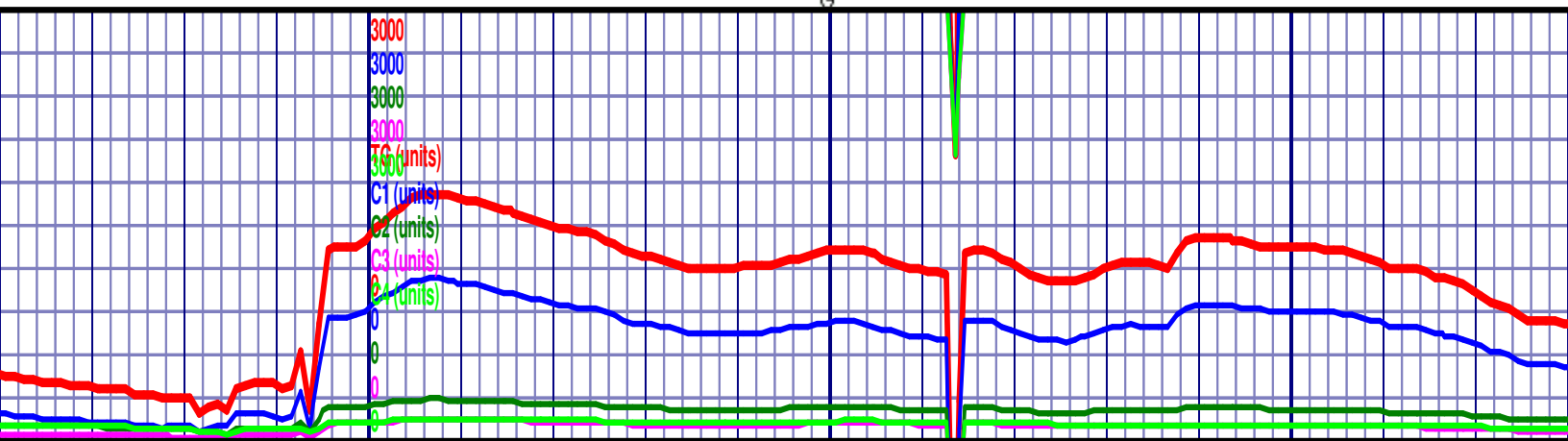
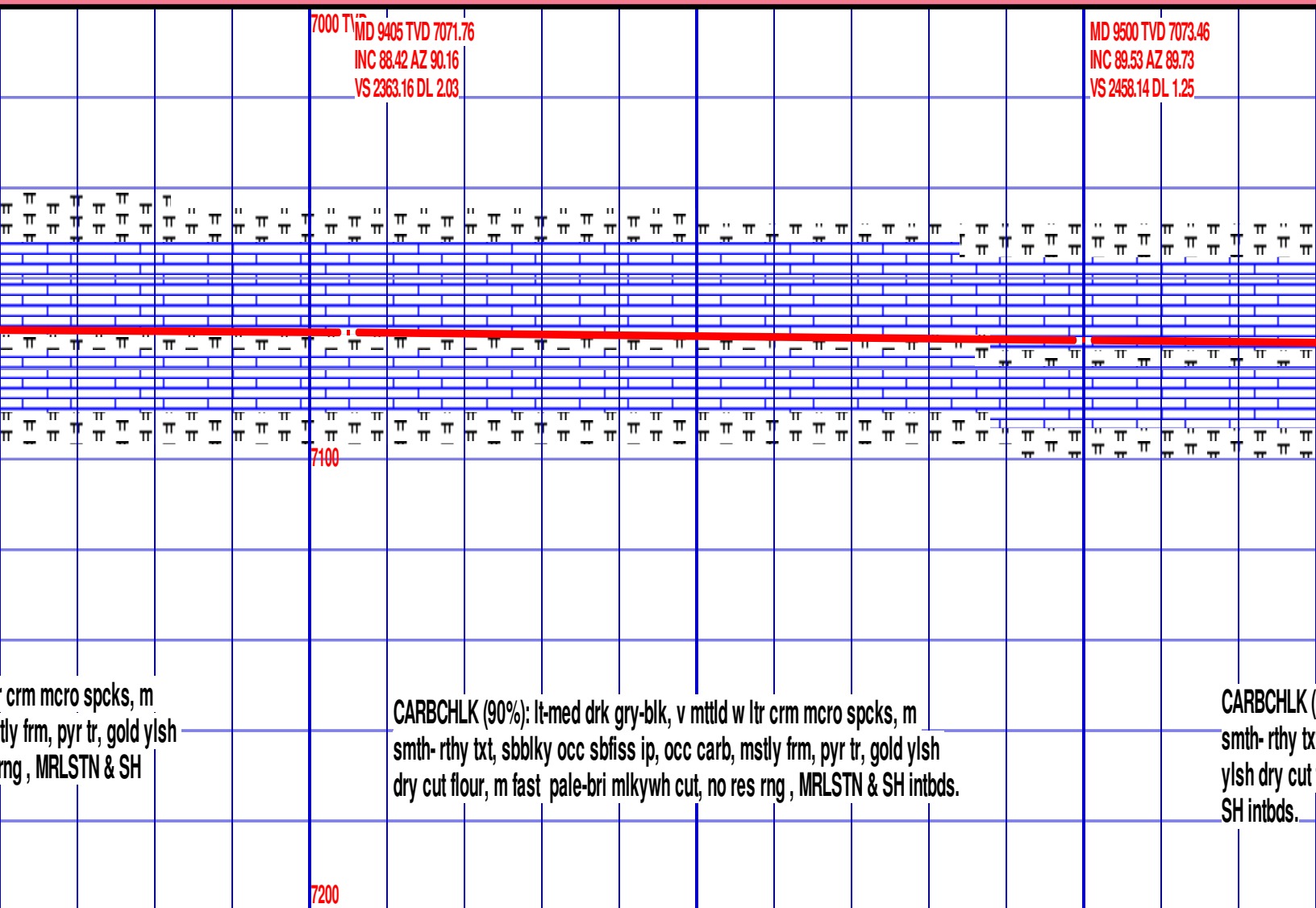
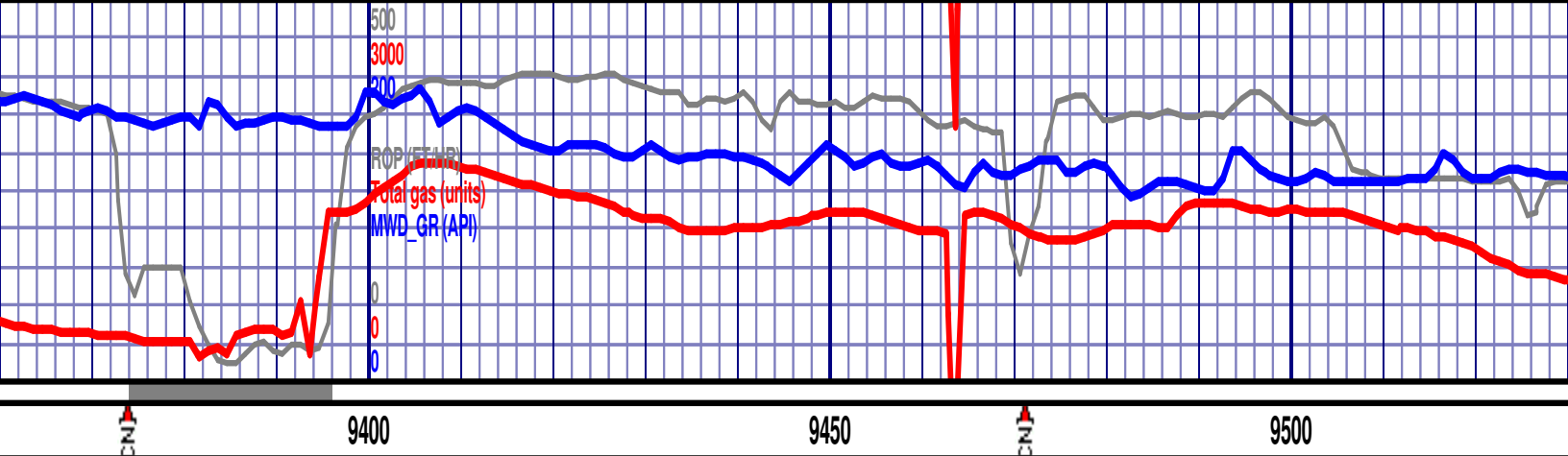
lt-med drk gry-blk, v mttld w ltr smth- rthy txt, sbblky occ mstly frm, pyr tr, gold yls pale-bri mlkywh cut, no res intbds.

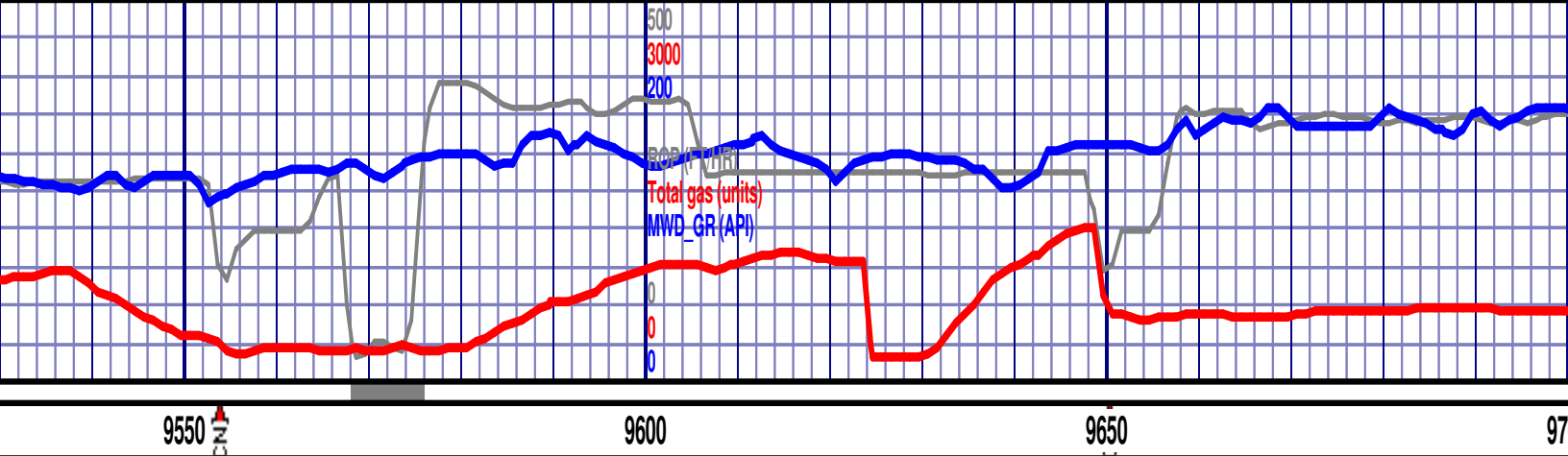
CARBCHLK (90%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold yls dry cut flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.

CARBCHLK (90%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold yls dry cut flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.



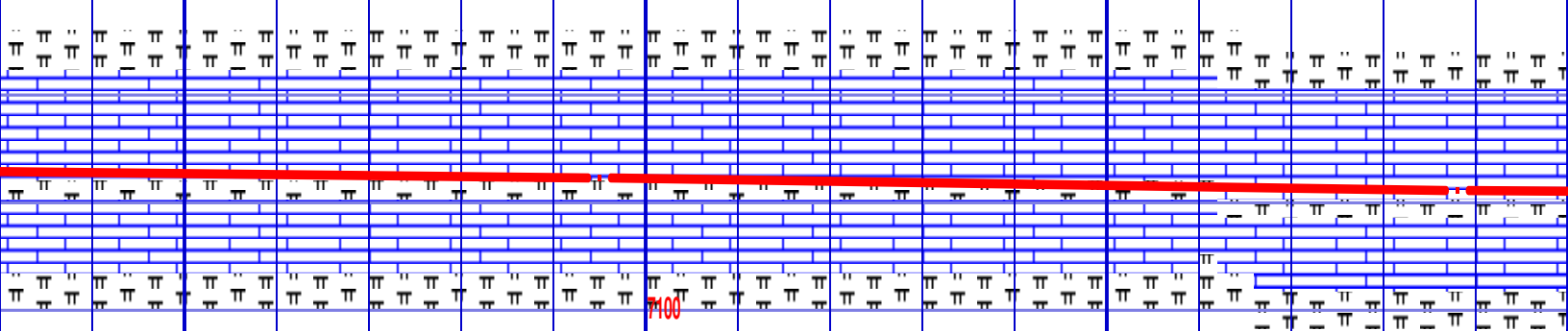






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INC 88.19 AZ 88.46
VS 2553.11 DL 1.95

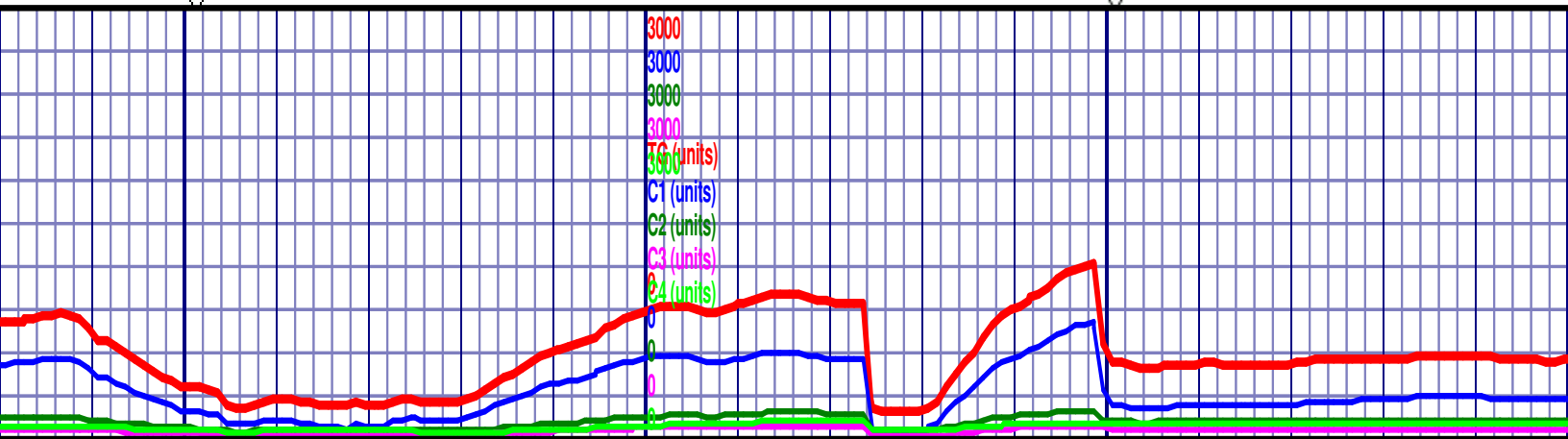
MD 9688 TVD 7100.00
INC 89.16 AZ 88.46
VS 2646.04 DL 1.95

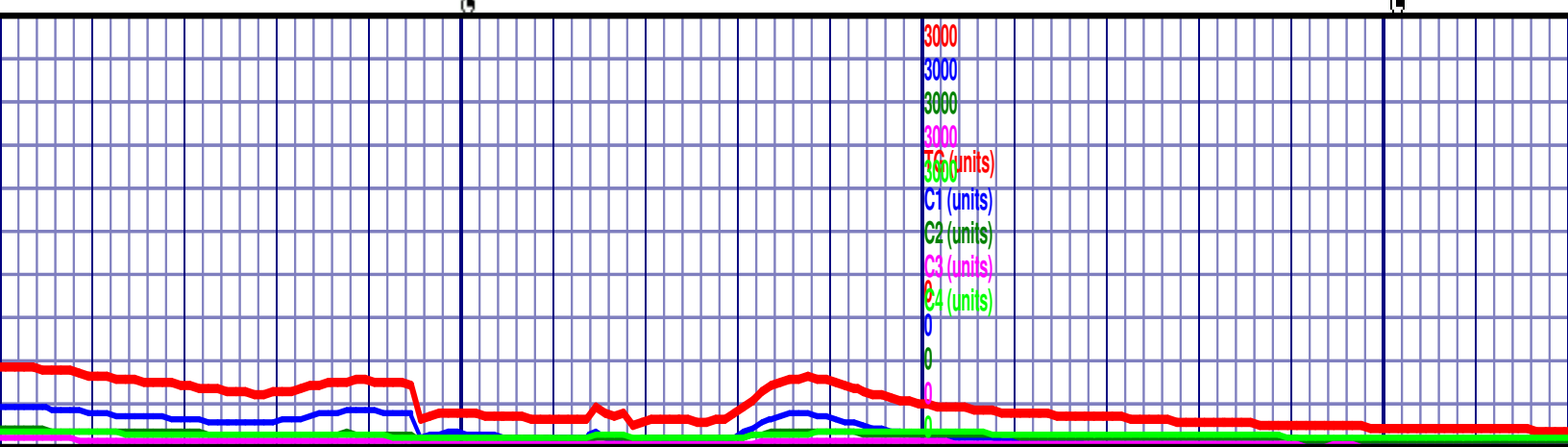
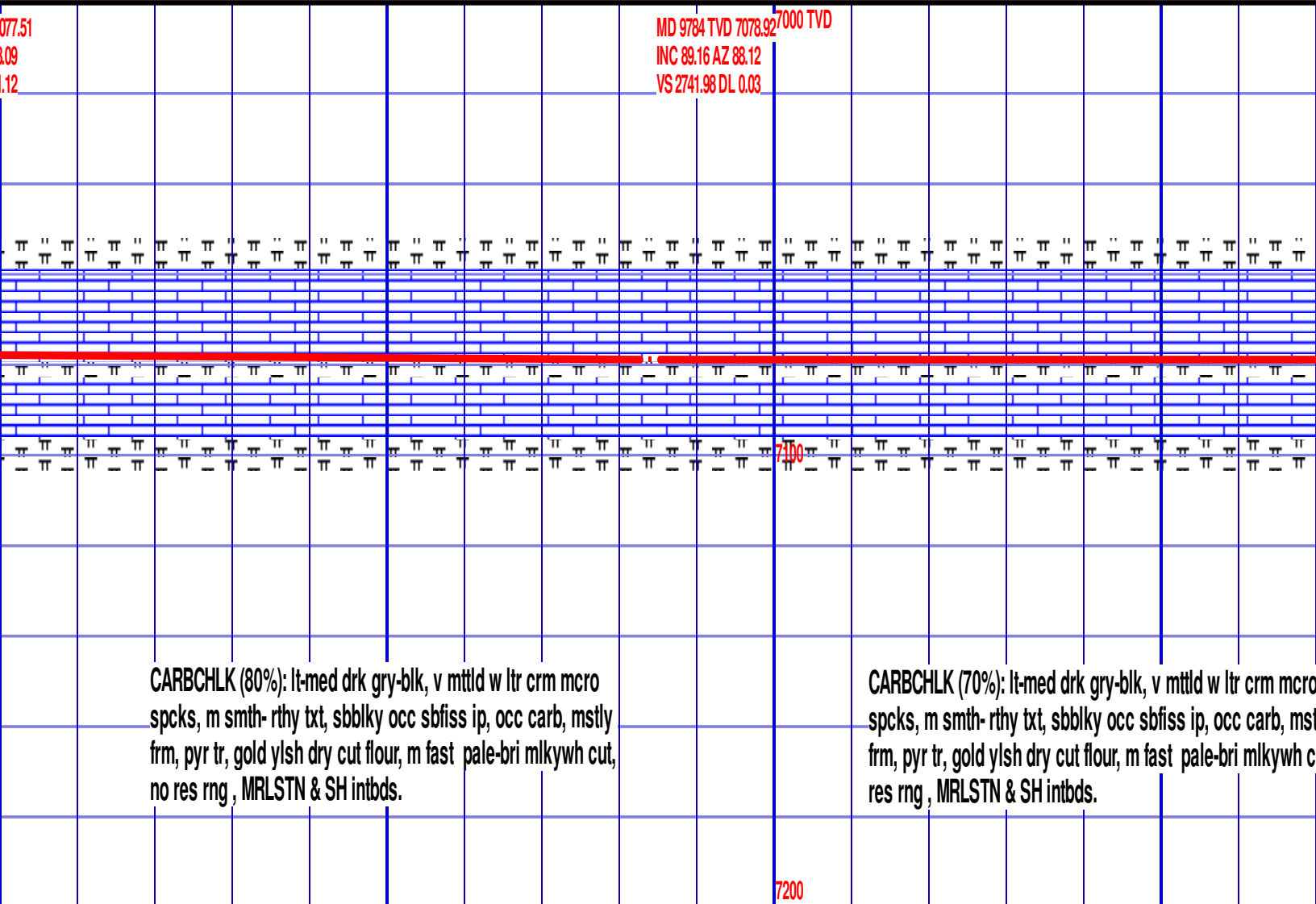
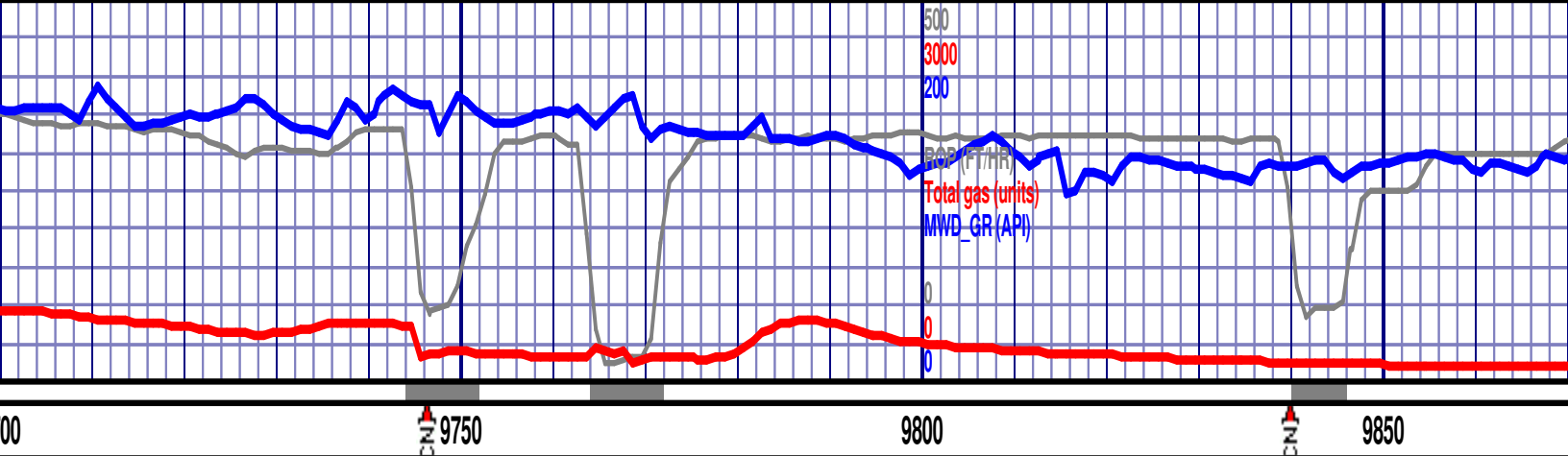


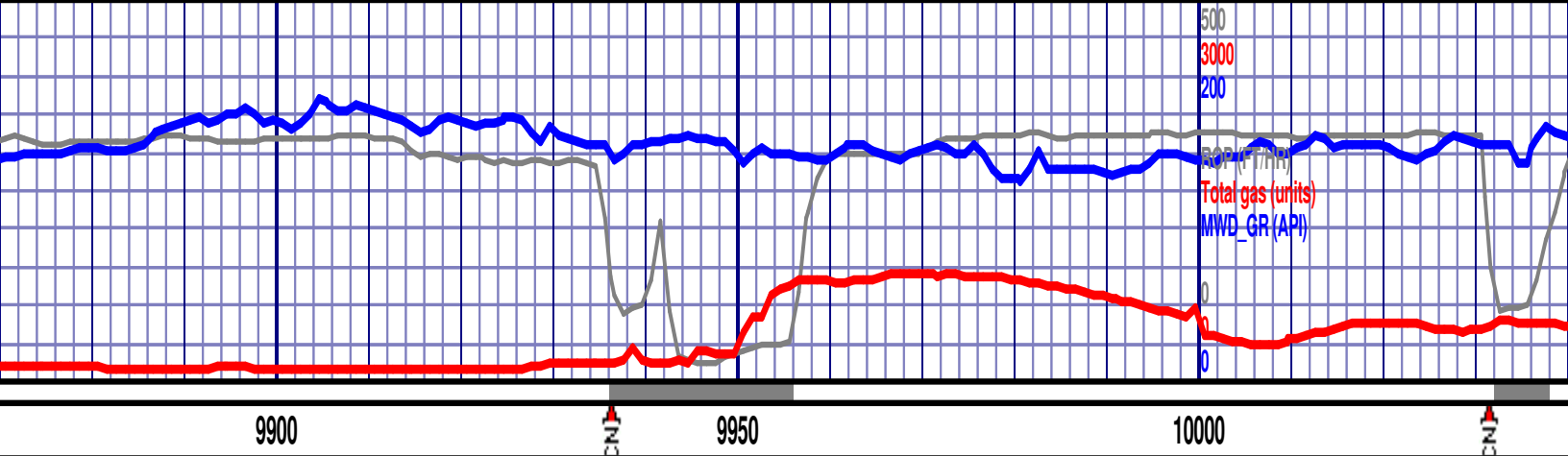
90%): lt-med drk gry-blk, v mttld w ltr crm mcro spcks, m
t, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold
flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN &

CARBCHLK (90%): lt-med drk gry-blk, v mttld w ltr crm mcro spcks,
m smth- rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr,
gold ylish dry cut flour, m fast pale-bri mlkywh cut, no res rng,
MRLSTN & SH intbds.

7200



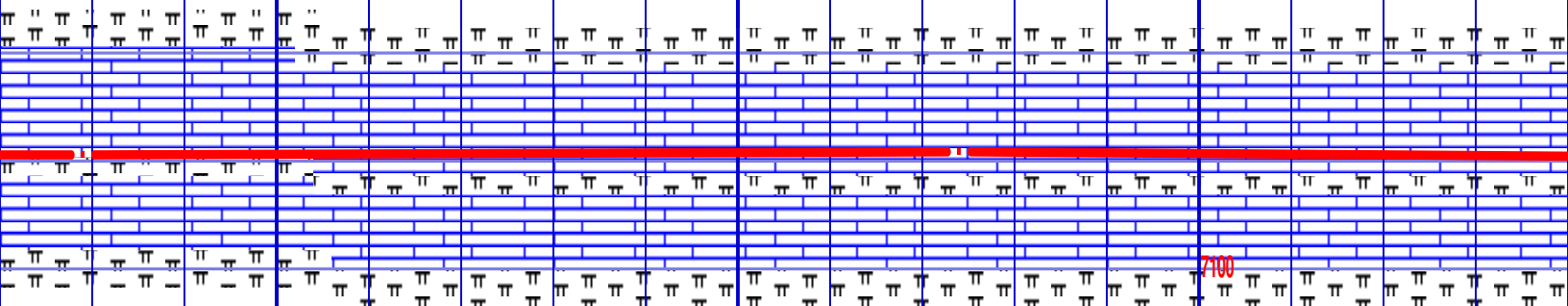




MD 9879 TVD 7079.08
INC 90.64 AZ 88.49
VS 2836.93 DL 1.6

MD 9974 TVD 7078.47
INC 90.1 AZ 89.55
VS 2931.92 DL 1.25

7000 TVD

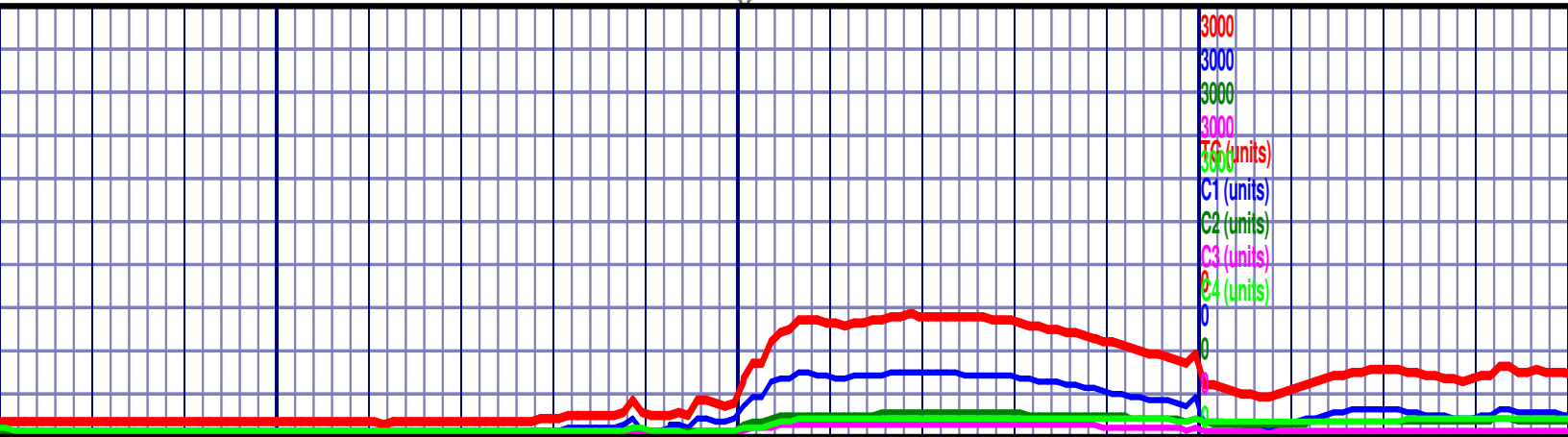


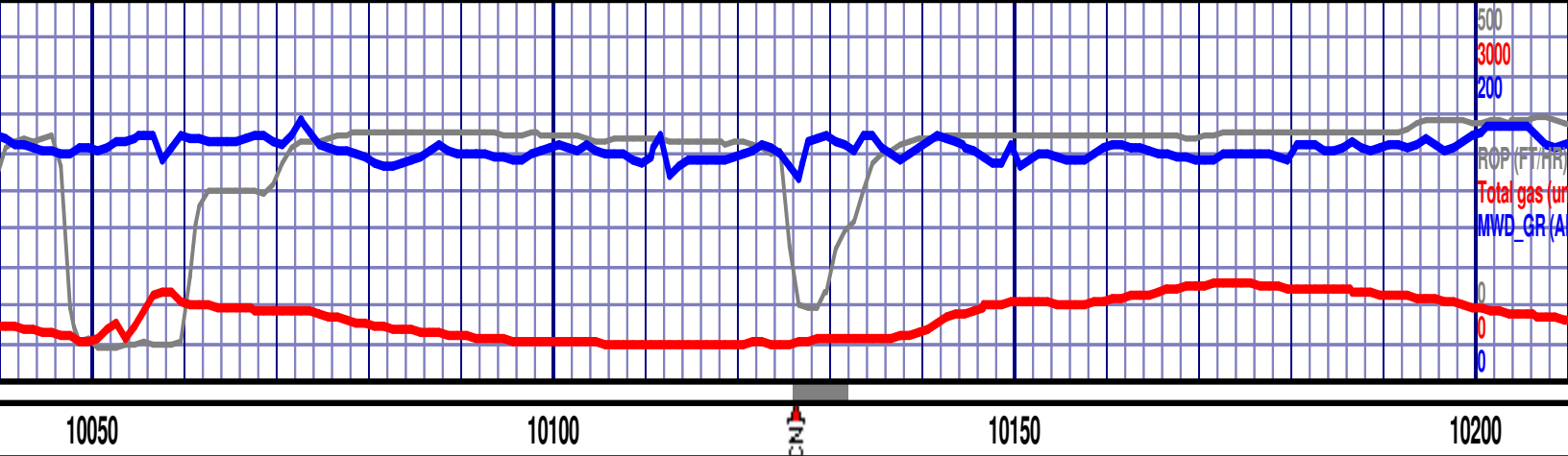
7100

CARBCHLK (70%): lt-med drk gry-blk, v mttld w ltr crm micro spcks,
m smth- rthy txt, sbbly occ sbfiss ip, occ carb, mstly frm, pyr tr,
gold ylish dry cut flour, m fast pale-bri mlkywh cut, no res rng,
MRLSTN & SH intbds.

CARBCHLK (70%): lt-med drk gry-blk, v mttld w ltr crm micro spcks,
m smth- rthy txt, sbbly occ sbfiss ip, occ carb, mstly frm, pyr tr,
gold ylish dry cut flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.

7200

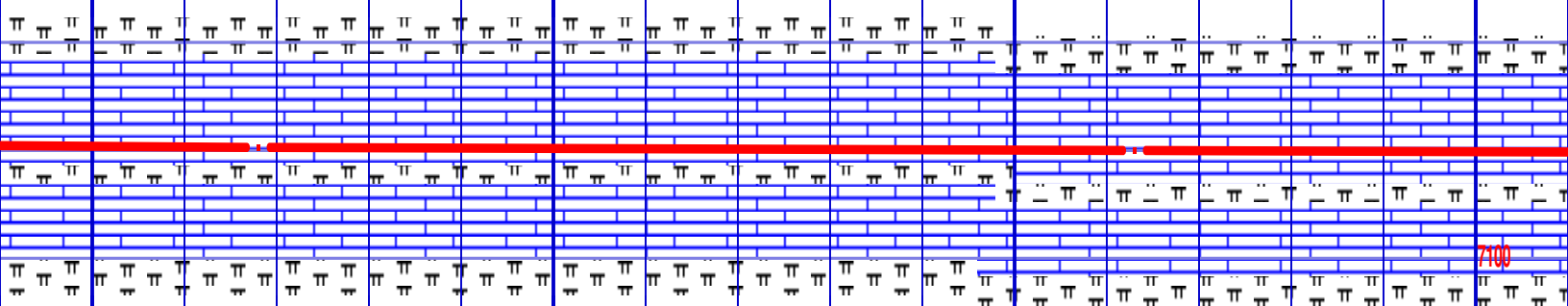




MD 10068 TVD 7079.27
INC 88.93 AZ 90
VS 3025.91 DL 1.33

MD 10163 TVD 7079.74
INC 90.5 AZ 90.72
VS 3120.9 DL 1.83

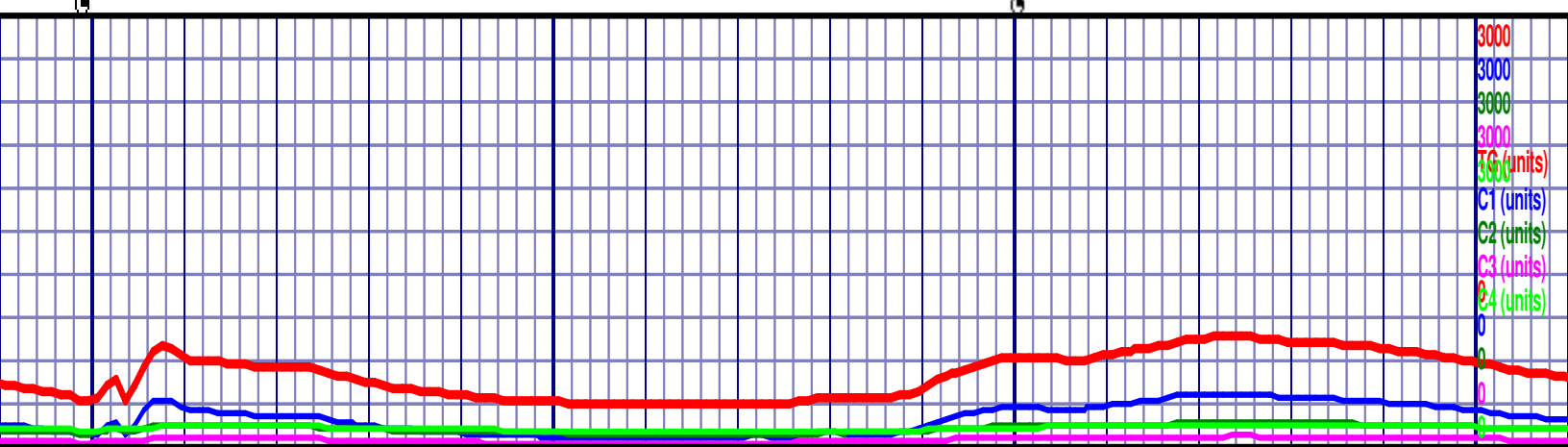
7000 TVD

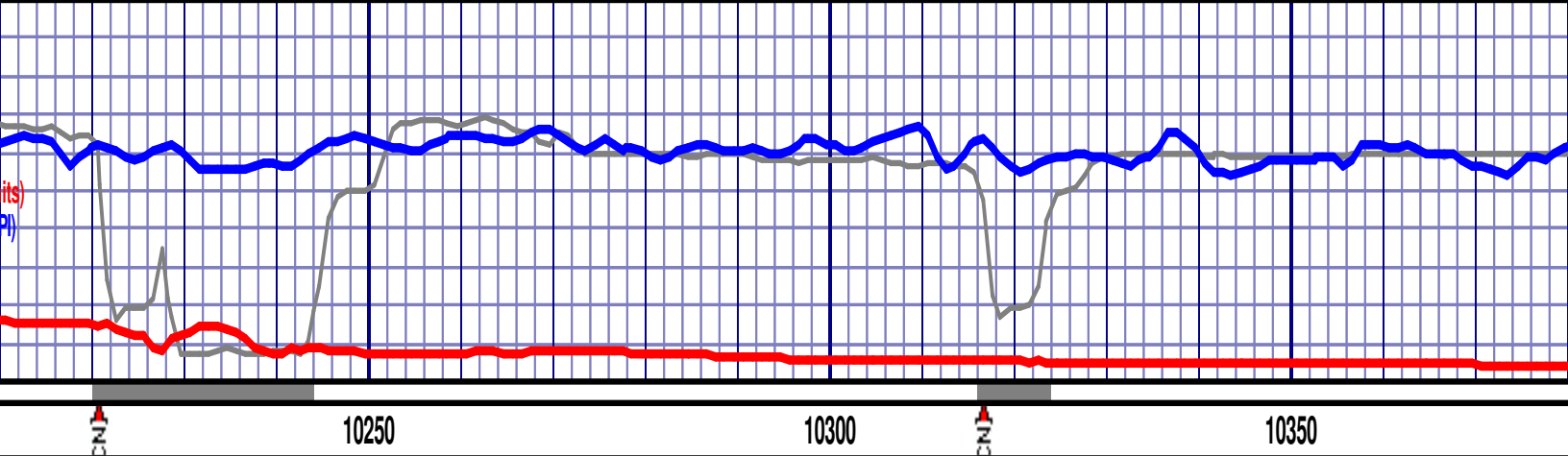


blk, v mtlld w ltr crm micro spcks, m smth- rthy txt,
stly frm, pyr tr, gold ylsd dry cut flour, m fast
MRLSTN & SH intbds.

CARBCHLK (70%): lt-med drk gry-blk, v mtlld w ltr crm micro spcks, m
smth- rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold
ylsd dry cut flour, m fast pale-bri mkywh cut, no res rng , MRLSTN &
SH intbds.

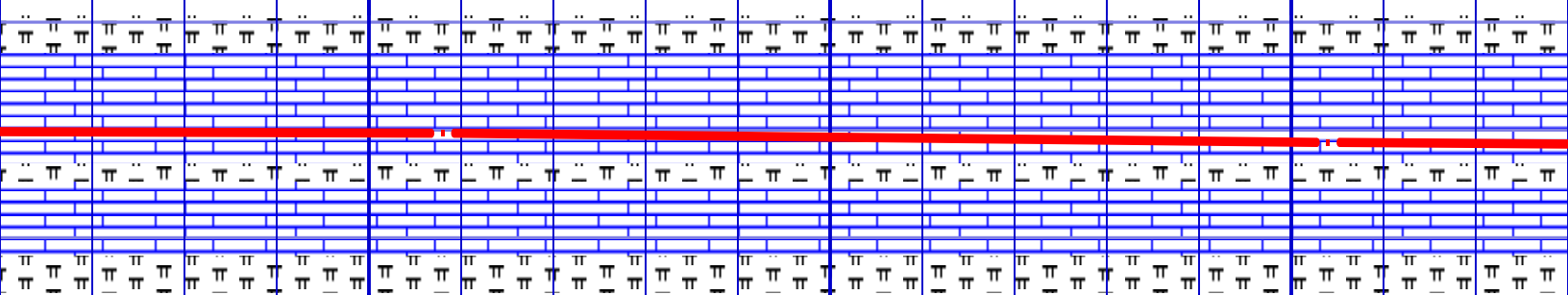
7200





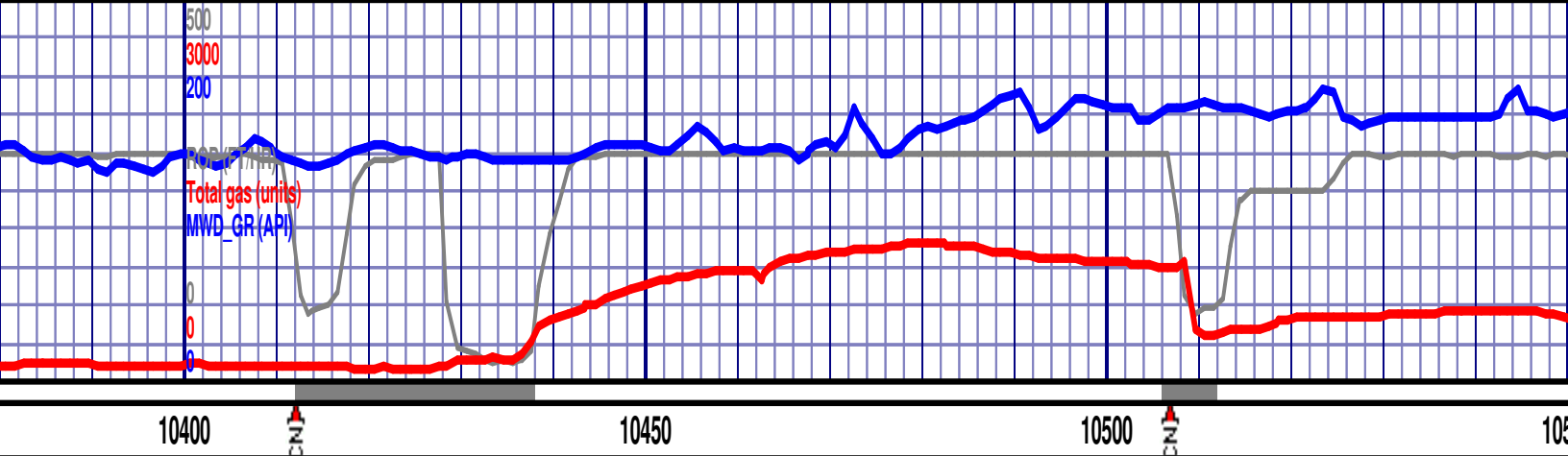
MD 10258 TVD 7080.49
INC 88.59 AZ 90.06
VS 3215.89 DL 2.13

MD 10354 TVD 7082.13
INC 89.46 AZ 90.16
VS 3311.88 DL 0.92



CARBCHLK (85%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-
rthy txt, sbbiky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut
flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.

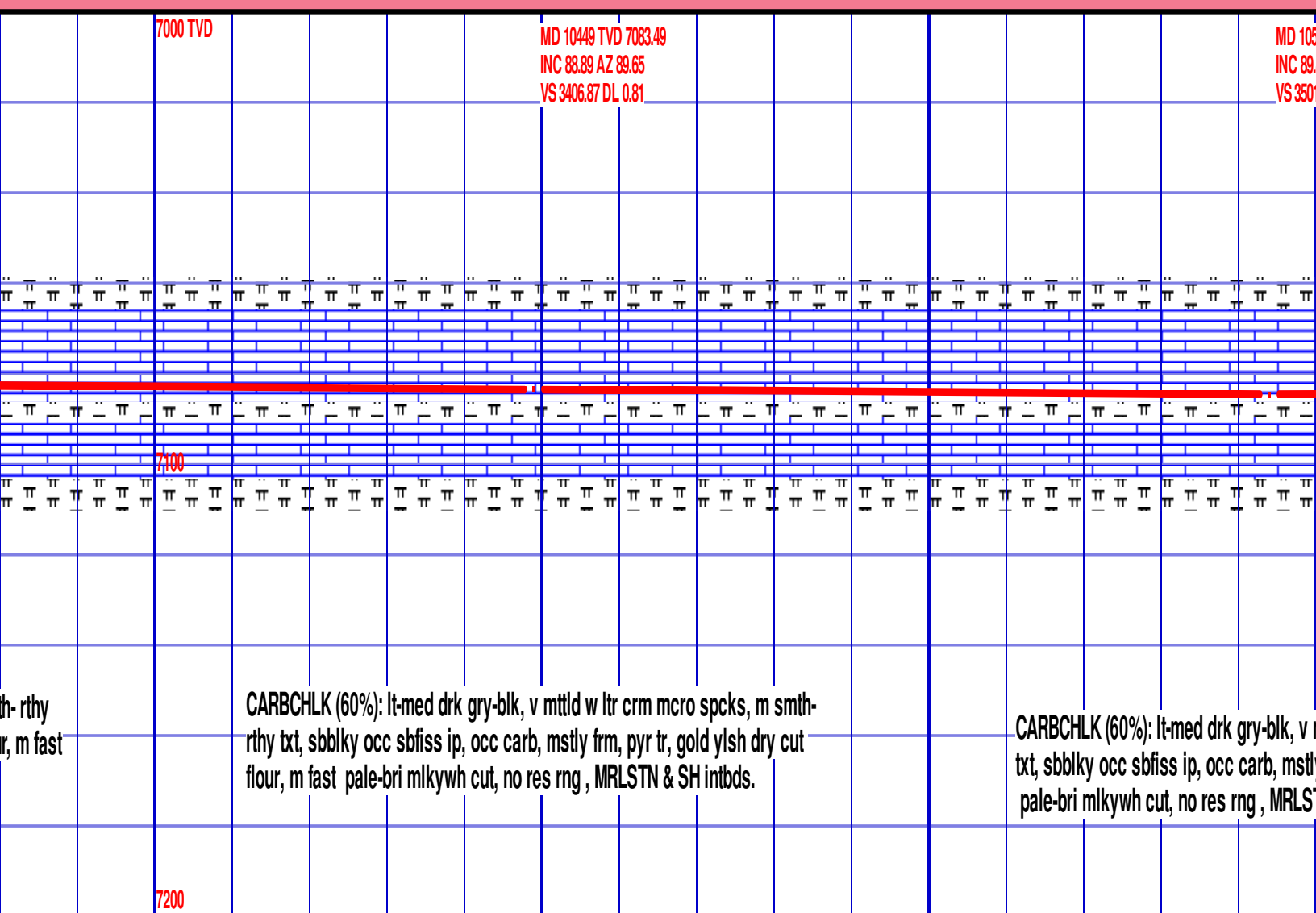
CARBCHLK (70%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-
rthy txt, sbbiky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour,
pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.



7000 TVD

MD 10449 TVD 7083.49
INC 88.89 AZ 89.65
VS 3406.87 DL 0.81

MD 105...
INC 89...
VS 350...

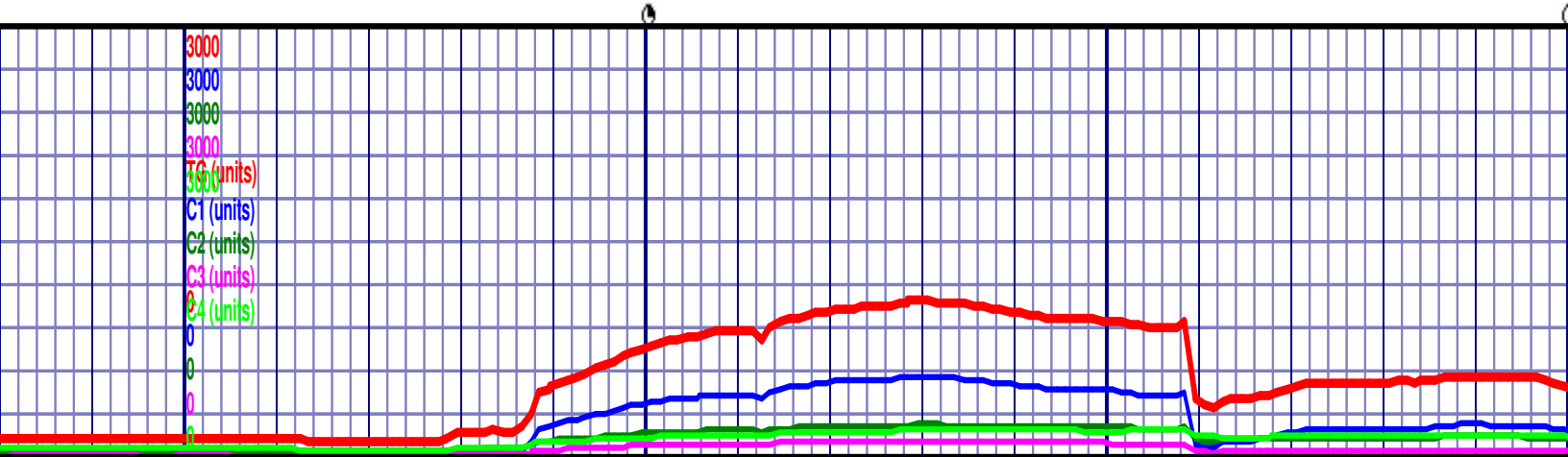


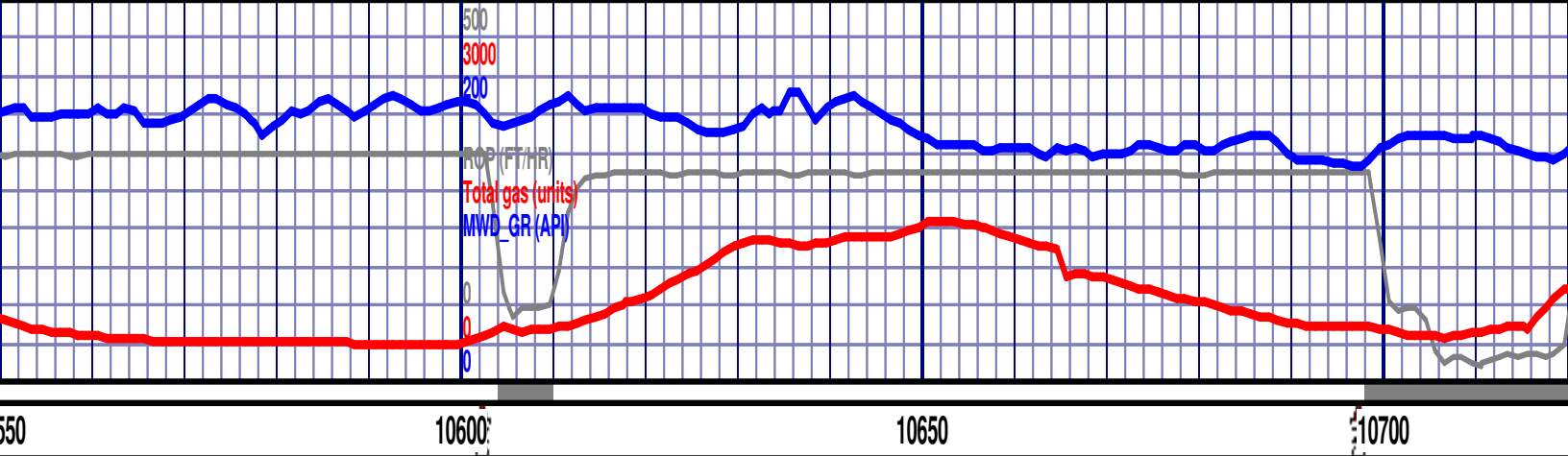
7100

CARBCHLK (60%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour, m fast pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

CARBCHLK (60%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour, m fast pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

7200

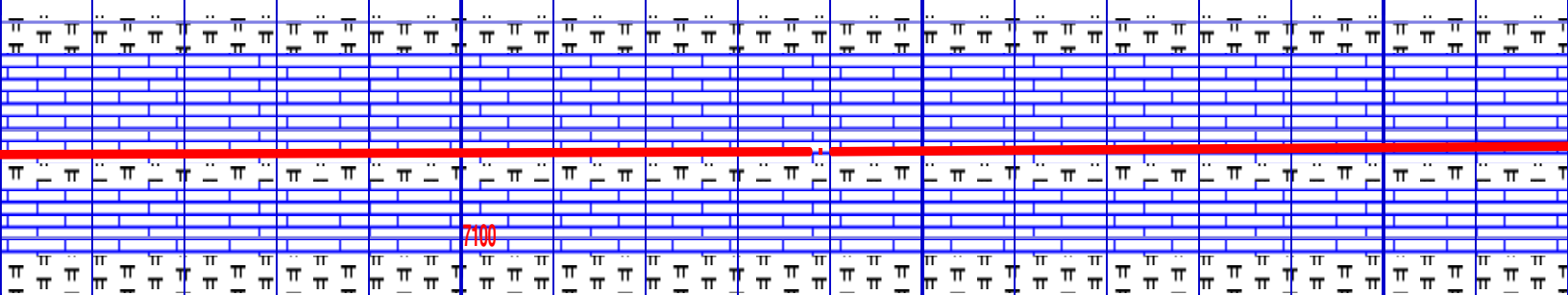




644 TVD 7084.55
83 AZ 89.11
1.86 DL 1.14

7000 TVD

MD 10639 TVD 7083.94
INC 90.91 AZ 89.38
VS 3596.84 DL 1.17

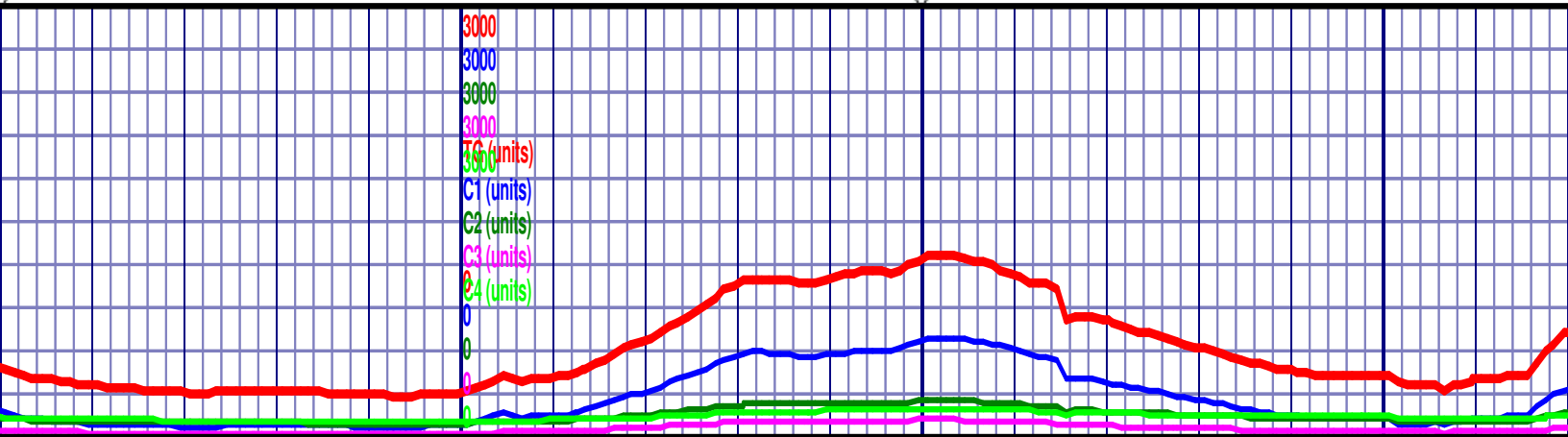


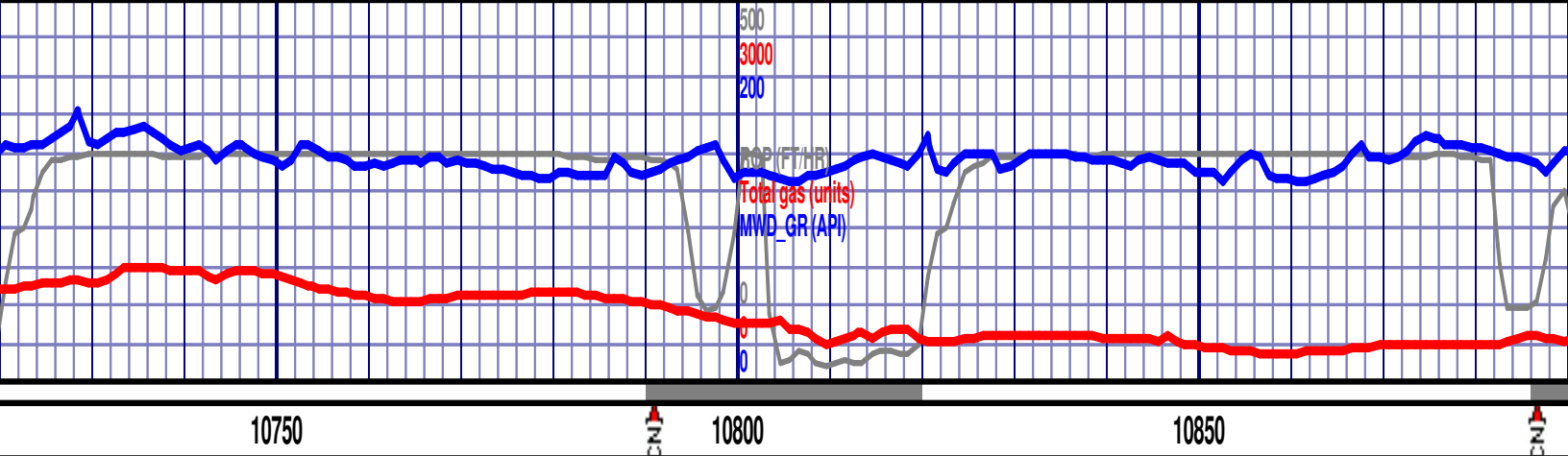
mtitld w ltr crm micro spcks, m smth- rthy
y frm, pyr tr, gold ylsd dry cut flour, m fast
TN & SH intbds.

CARBCHLK (70%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-
rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut
flour, m fast pale-bri mlkywh cut, no res rng, MRLSTN & SH intbds.

CARBCH
txt, sbblk
fast pale

7200

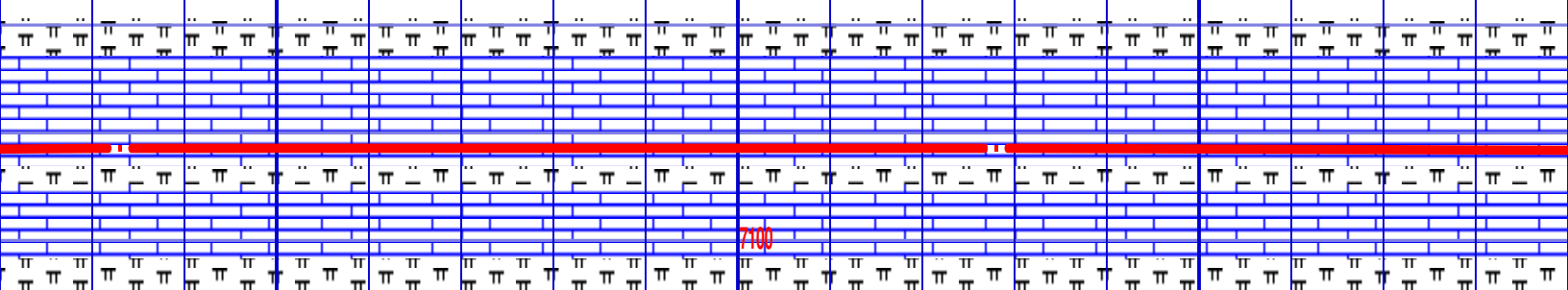




MD 10733 TVD 7082.97
INC 90.27 AZ 88.68
VS 3690.82 DL 1.01

7000 TVD

MD 10828 TVD 7082.72
INC 90.03 AZ 88.57
VS 3785.8 DL 0.27

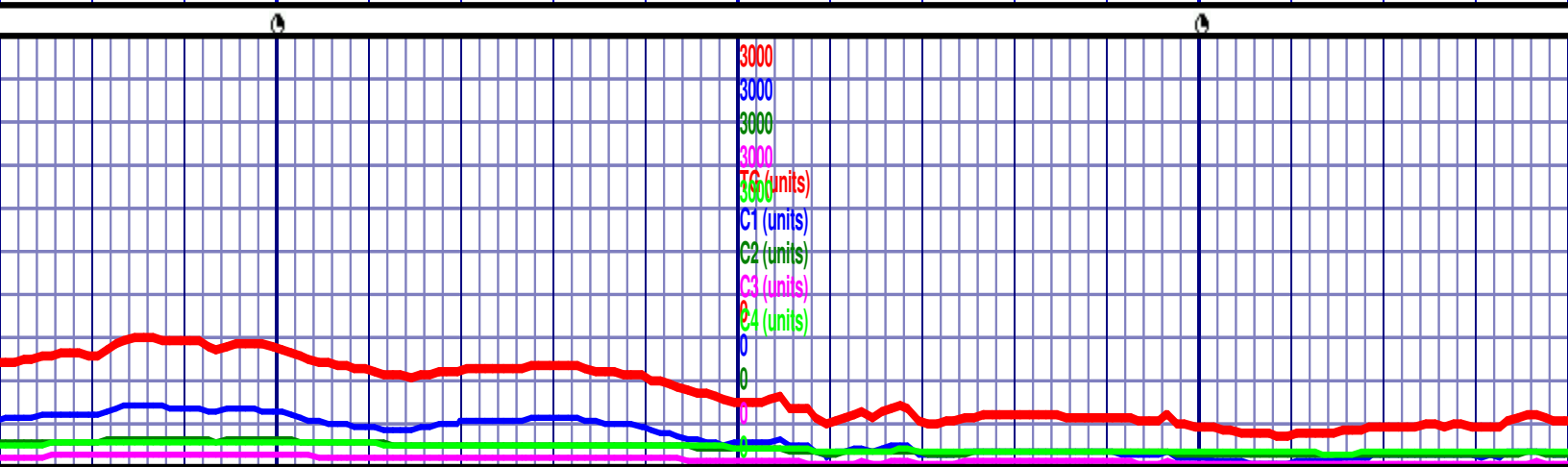


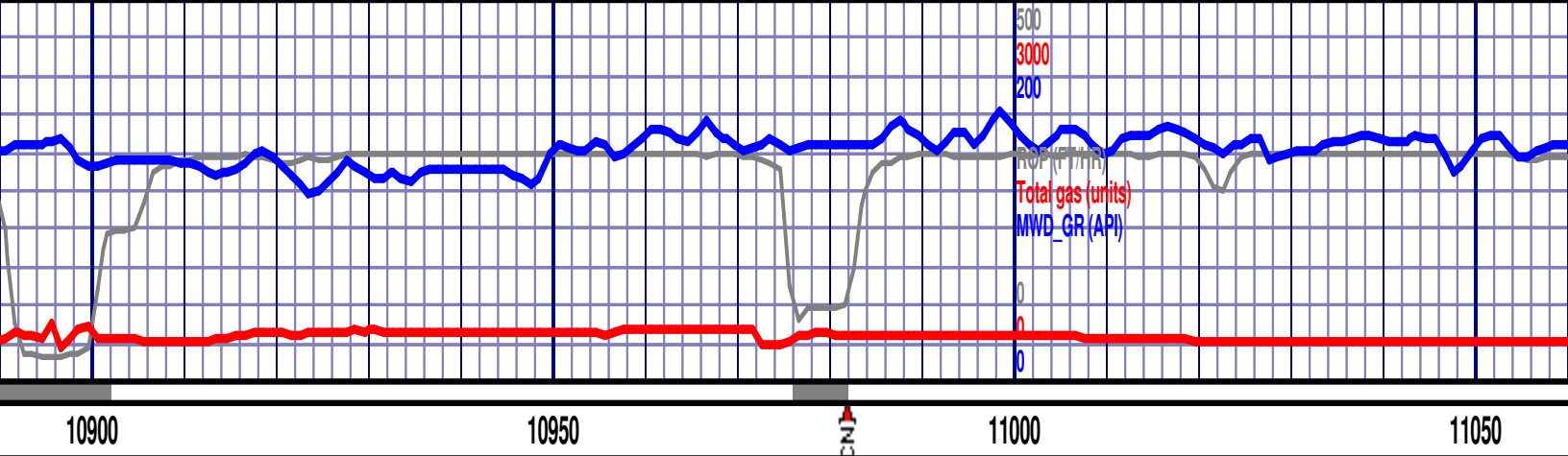
7100

LK (80%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy
ky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour, m
e-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth- rthy
txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsd dry cut flour, m fast
pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

7200

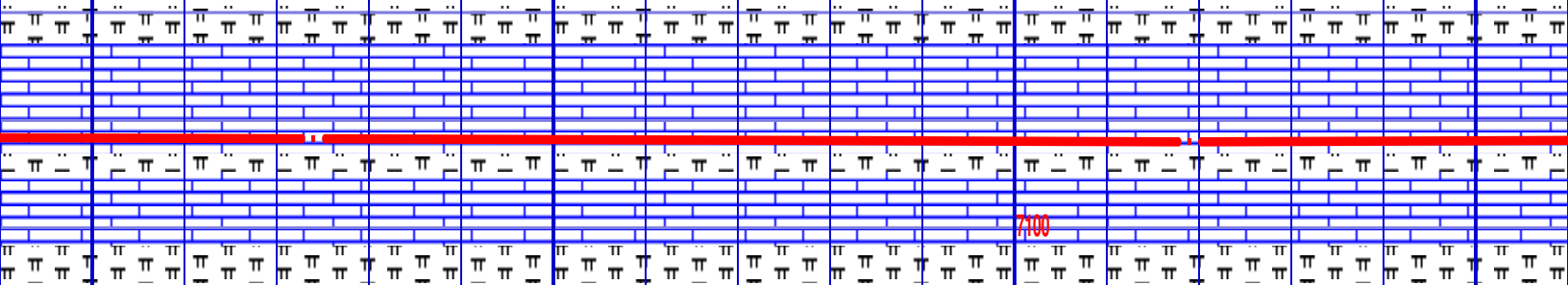




MD 10924 TVD 7083.37
INC 89.2 AZ 89.17
VS 3881.77 DL 1.07

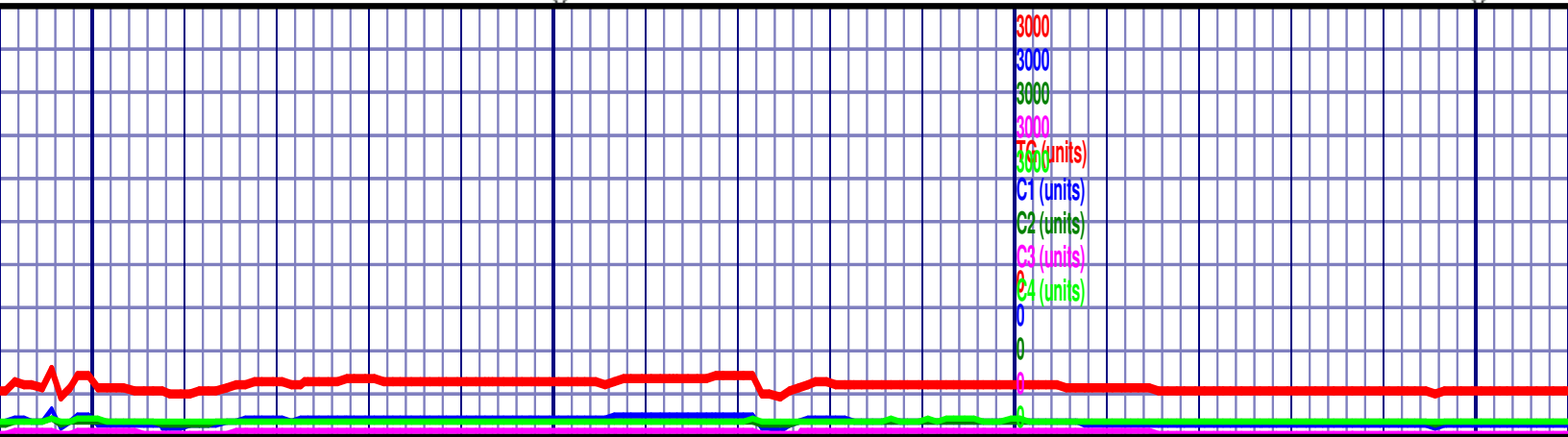
7000 TVD

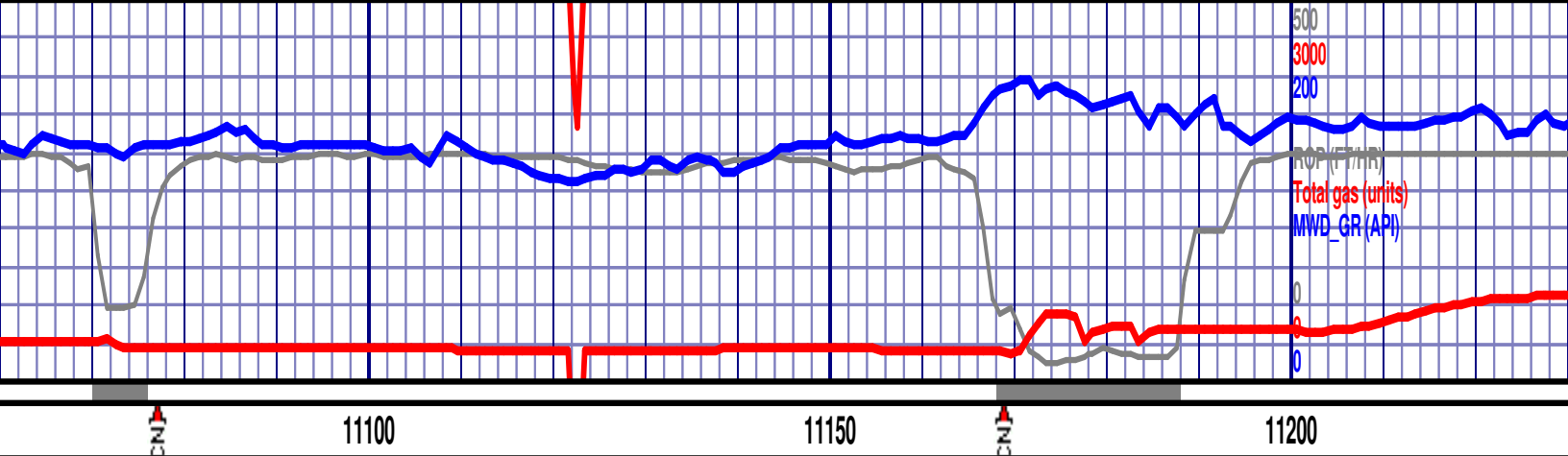
MD 11019 TVD 7084.23
INC 89.76 AZ 89.22
VS 3976.76 DL 0.6



CARB. CHALK(75%): Light medium to light gray, mottled with cream inclusions, sub-blocky to blocky, firm, micritic, occ. fossil fragment, pale yellowish dry fluorescence, moderate pale blueish cut with very pale yellowish residual cloud, Trace pyrite. SHALE/MARLST(25%)

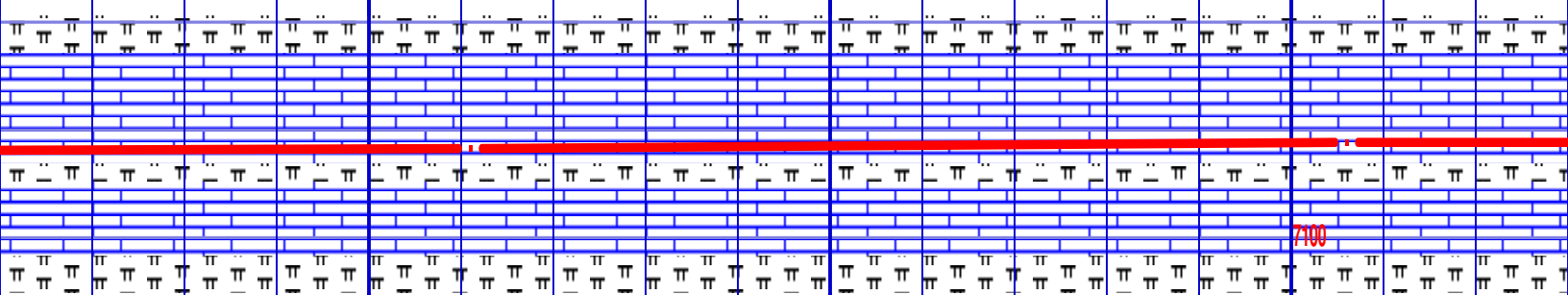
CARB. CHALK(75%): Light medium to light gray, sub-blocky to blocky, firm, micritic, occ. fossil fragment, pale yellowish dry fluorescence, moderate pale blueish cut with very pale yellowish residual cloud, Trace pyrite. SHALE/MARLST(25%)





MD 11111 TVD 7083.34
INC 91.34 AZ 88.94
VS 4068.74 DL 1.74

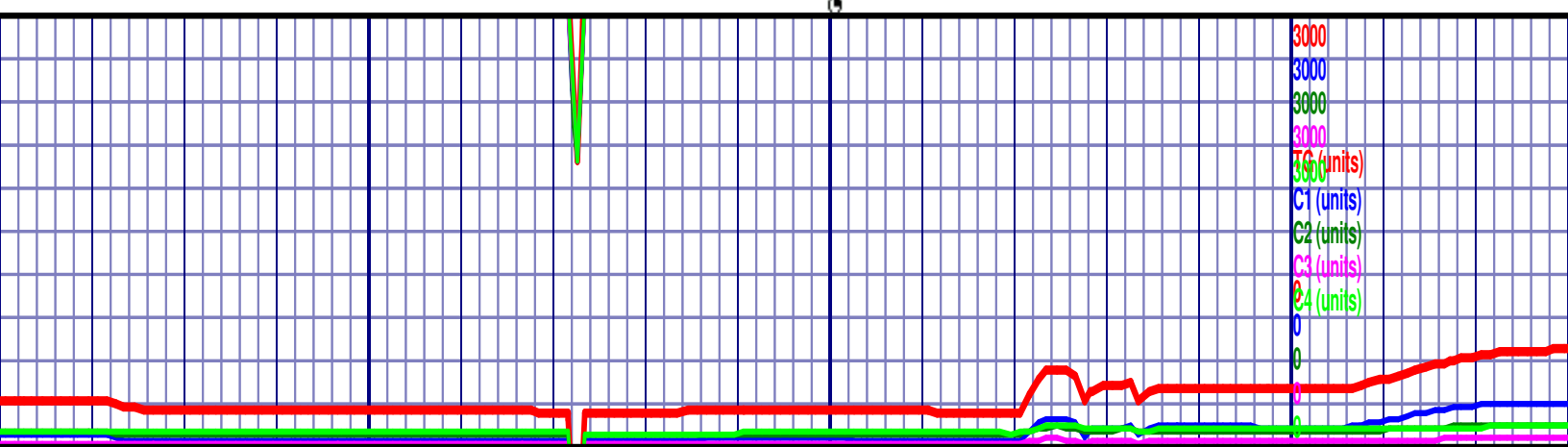
7000 TVD MD 11206 TVD 7082.12
INC 90.13 AZ 89.17
VS 4163.72 DL 1.29

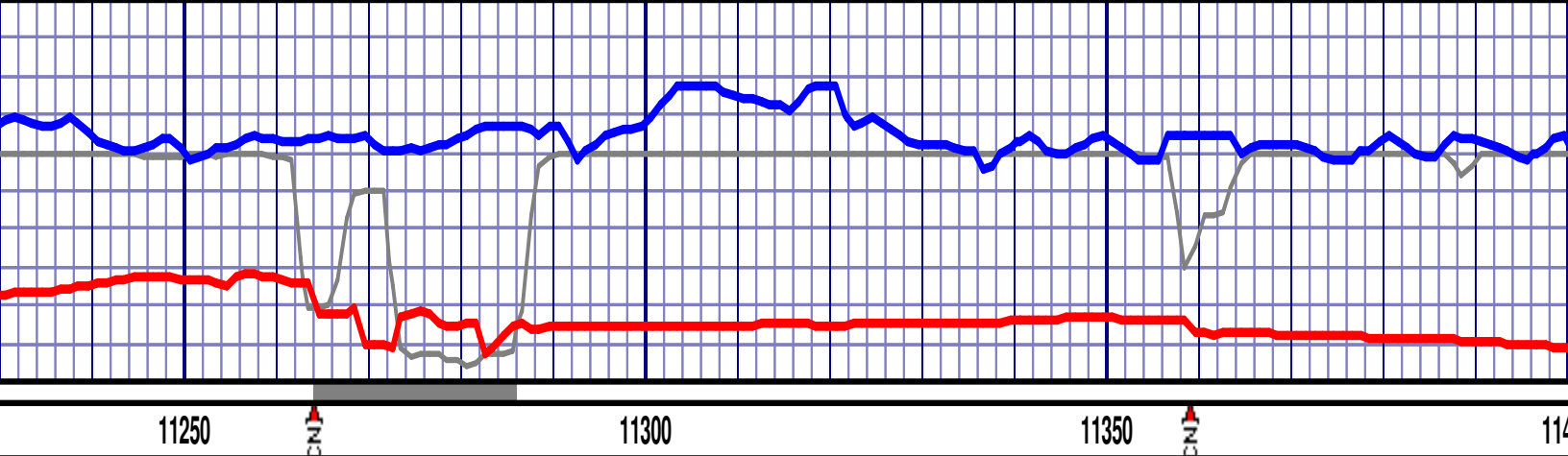


mottled with cream inclusions,
fragment, pale yellowish dry
very pale yellowish residual cloud,

CARB. CHALK(70%): Light medium to light gray, mottled with cream inclusions,
sub-blocky to blocky, firm, micritic, occ. fossil fragment, pale yellowish dry
fluorescence, moderate pale blueish cut with very pale yellowish residual cloud,
Trace pyrite. SHALE/MARLST(30%)

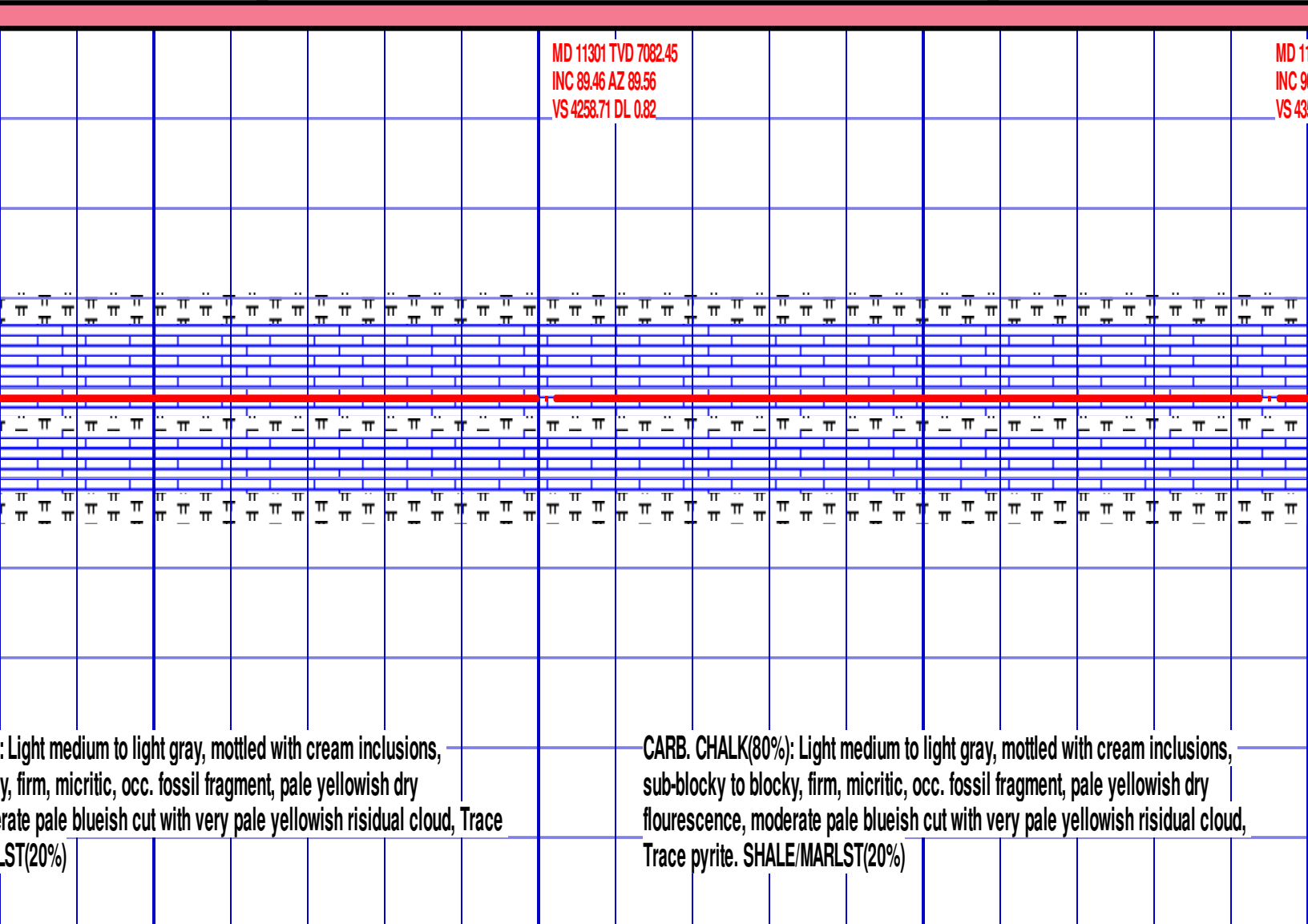
CARB. CHALK(80%)
sub-blocky to blocky
fluorescence, moderate
pyrite. SHALE/MARLST(20%)





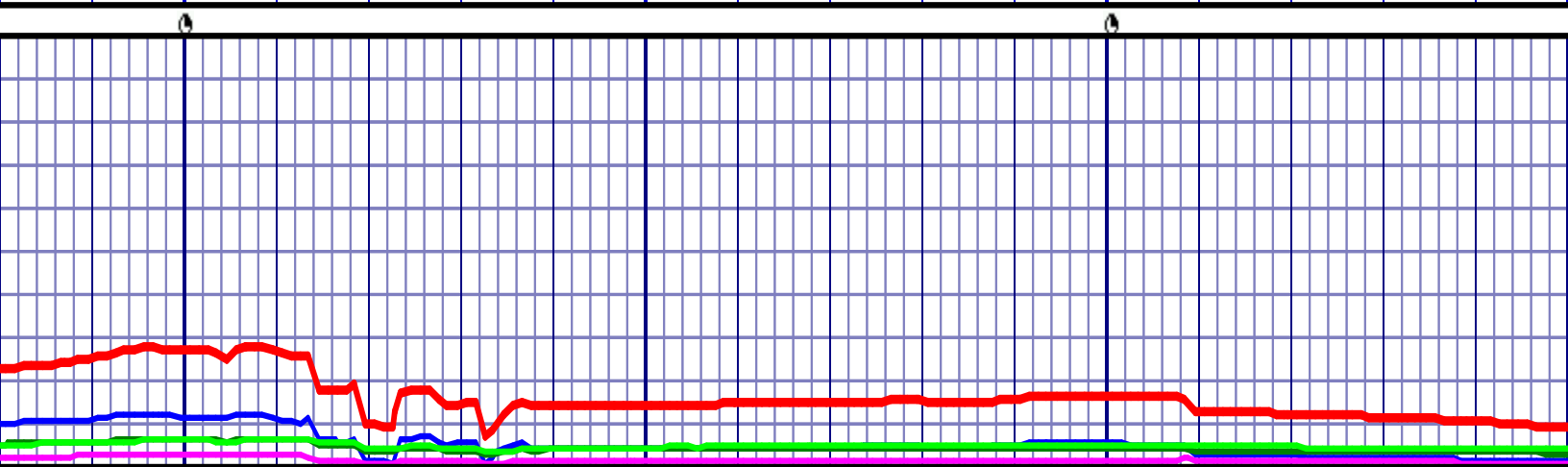
MD 11301 TVD 7082.45
INC 89.46 AZ 89.56
VS 4258.71 DL 0.82

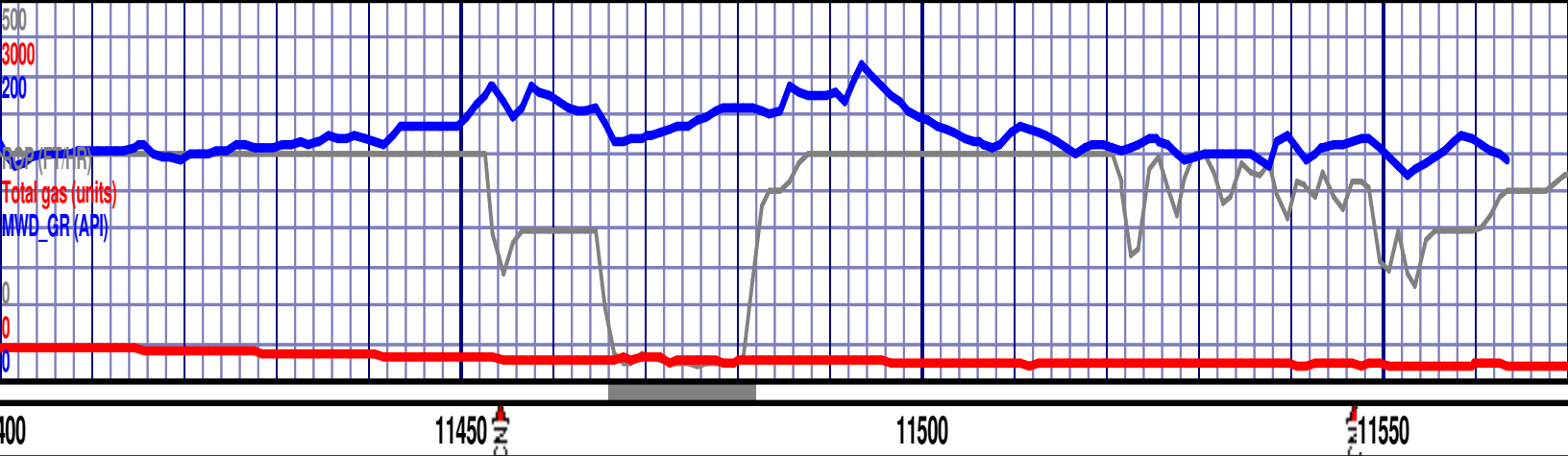
MD 11301 TVD 7082.45
INC 89.46 AZ 89.56
VS 4258.71 DL 0.82



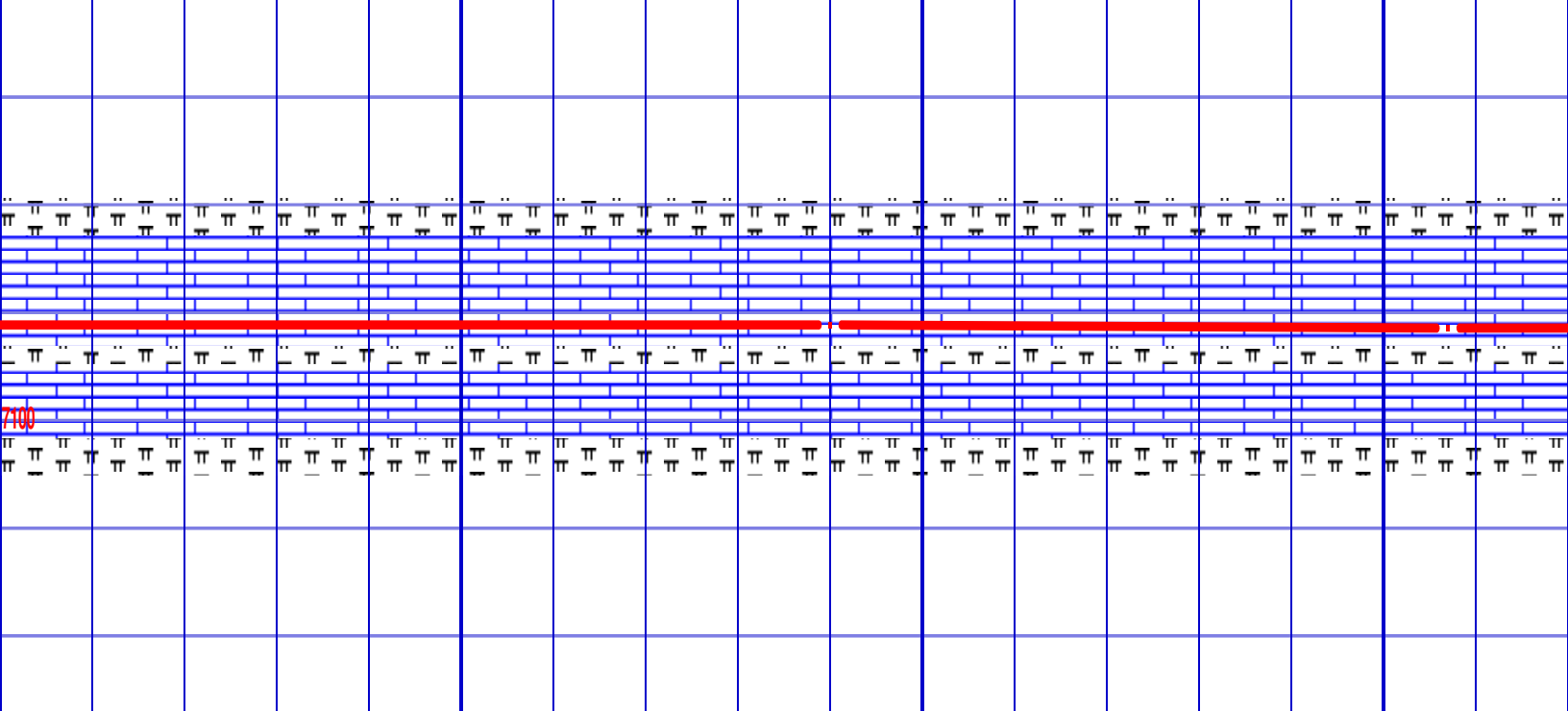
Light medium to light gray, mottled with cream inclusions,
firm, micritic, occ. fossil fragment, pale yellowish dry
moderate pale blueish cut with very pale yellowish residual cloud, Trace
pyrite. SHALE/MARLST(20%)

CARB. CHALK(80%): Light medium to light gray, mottled with cream inclusions,
sub-blocky to blocky, firm, micritic, occ. fossil fragment, pale yellowish dry
fluorescence, moderate pale blueish cut with very pale yellowish residual cloud,
Trace pyrite. SHALE/MARLST(20%)



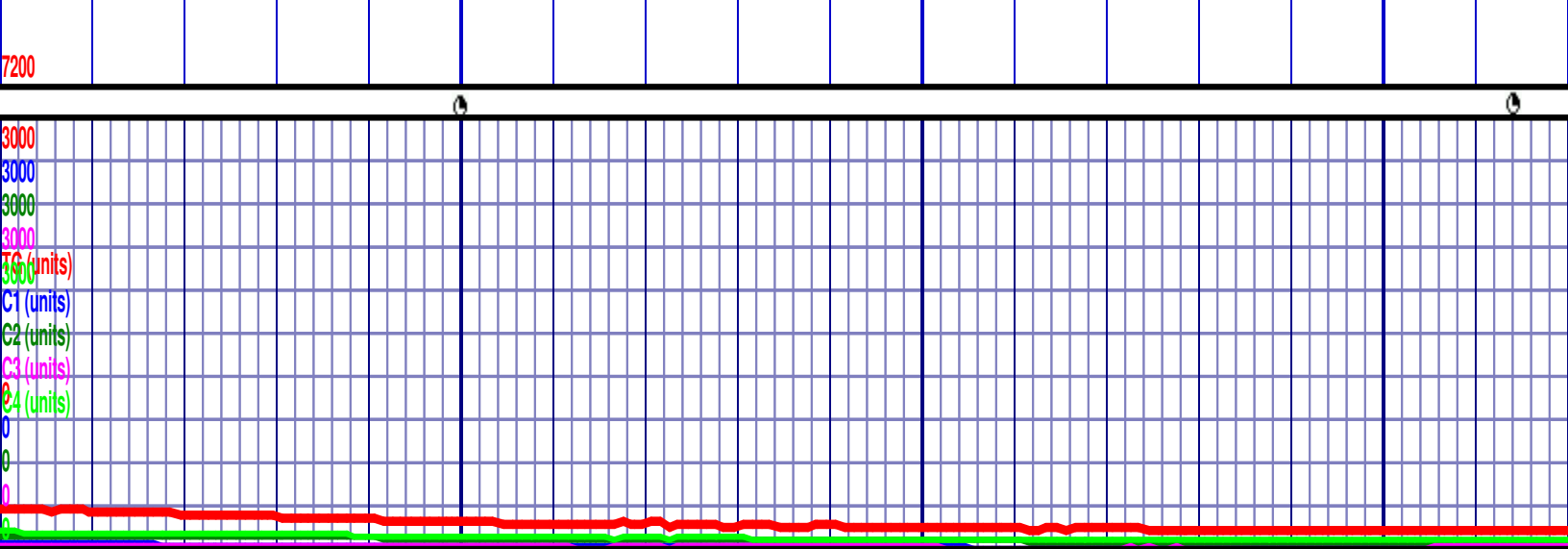


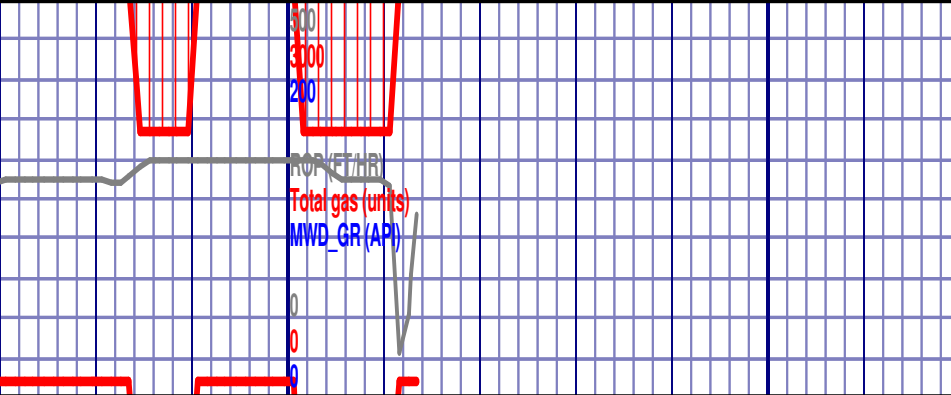
MD 11395 TVD 7082.42 INC 89.36 AZ 89.81 VS 4471.7 DL 1.21	MD 11490 TVD 7082.48 INC 89.36 AZ 89.2 VS 4447.7 DL 1.43	MD 11557 TVD 7082.48 INC 89.97 AZ 89.2 VS 4514.7 DL 0.9
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CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr crm micro spcks, m smth-rthy txt, sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, gold ylsh dry cut flour, m fast pale-bri mlkywh cut, no res rng , MRLSTN & SH intbds.

CARBCHLK (80%): lt-med drk gry-blk, v mttld w ltr sbblky occ sbfiss ip, occ carb, mstly frm, pyr tr, g mlkywh cut, no res rng , MRLSTN & SH intbds.





11600

11650

082.87
2

7000 TVD

MD 11615 TVD 7082.9

INC 89.97 AZ 89.2

TD AT 11615' ON

02/13/16 @ 0905 HR

FORMATION TOP'S

MD TVD SSD

Sharon Springs	6859'	6811'	-1798'
Niobrara A Chalk	6915'	6856'	-1843'
Niobrara A Marl	6949'	6880'	-1867'
"B" Chalk	7071'	6959'	-1946'
"B" Marl	7092'	6971'	-1958'
"C" Chalk	7239'	7034'	-2021'
"C" Marl			

crin micro specks, m smth- rthy txt,
old ysh dry cut flour, m fast pale-bri

THANK YOU

GOOLSBY BROTHERS & ASSOC. INC

7200

