

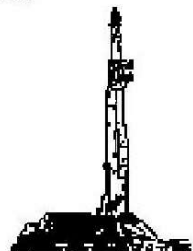
GOOLSBY BROTHERS
and associates, inc.

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 15N-7A-M

API: 05-123-43181

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

License Number:

Spud Date: June 18, 2016

Surface Coordinates: SWSW T6N R66W Sec 12; 1271 FSL, 235 FWL;
LAT 40.49906 LONG -104.734125

Bottom Hole SESW Sec 7 T6N R65W; 110' FSL, 2539' FWL

Coordinates:

Ground Elevation (ft): 4,800'

Logged Interval (ft): 6,600'

To: 15,130'

K.B. Elevation (ft): 4,820'

Total Depth (ft): 15,130' DMTD

Formation: Pierre Shales/Sands, Niobrara "A" Target

Type of Drilling Fluid: LSND

Region: Wattenberg

Drilling Completed: June 23, 2016

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, Colorado 80202
(720) 616-4300

GEOLOGIST

Name: Andrew Krueger & Ryan Scribner

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

Address: 575 Union Blvd. Suite 208,
Lakewood CO. 80228
Tel 303-618-7736

E-logs

MWD GR from 5,324'-15,088'

Casing

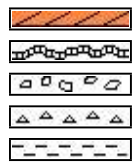
9 5/8" Surface Casing set @ 1,715' MD

5 1/2" Production Casing set @ 15,118' MD

Comments

- 1) Drilling Contractor: Precision Drilling, Rig #462
Toolpusher: John Myers
Erion Yocom
- 2) Company Man: Sean Devereaux
Kevin Brakovek
- 3) Mud Comapny : Halliburton Baroid 41
Engineer: Nick Ondler
- 4) Directional Drilling: Schlumberger Directional (Pathfinder)
Conventional BHA used during Curve
Rotary Steerable BHA used in Lateral
Drillers: Charles Bell, Preston Roth
MWD: Scott Kingrey, Mike Love
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) Wellsite Geologist: Andrew Krueger & Ryan Scribner

ROCK TYPES



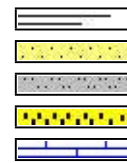
Anhy
Bent
Brec
Cht
Cyst



Coal
Oil sat.
Congl
Dol
Gyp



Lmst
Mrlst
Salt
Shale
Shcol



Shgy
Ss
Sltst
Ss
Chalk



Carb sh
Sltty sh

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau

Gyp
 Hvymin
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff

FOSSIL

Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite

Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom

STRINGER

Chlkstg
 Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls

Mrst
 Sltstgr
 Ssstgr

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

OIL SHOWS

Even
 Spotted
 Ques
 Dead
 Vspotty

near even

POROSITY TYPE

Earthy
 Fenest
 Fracture

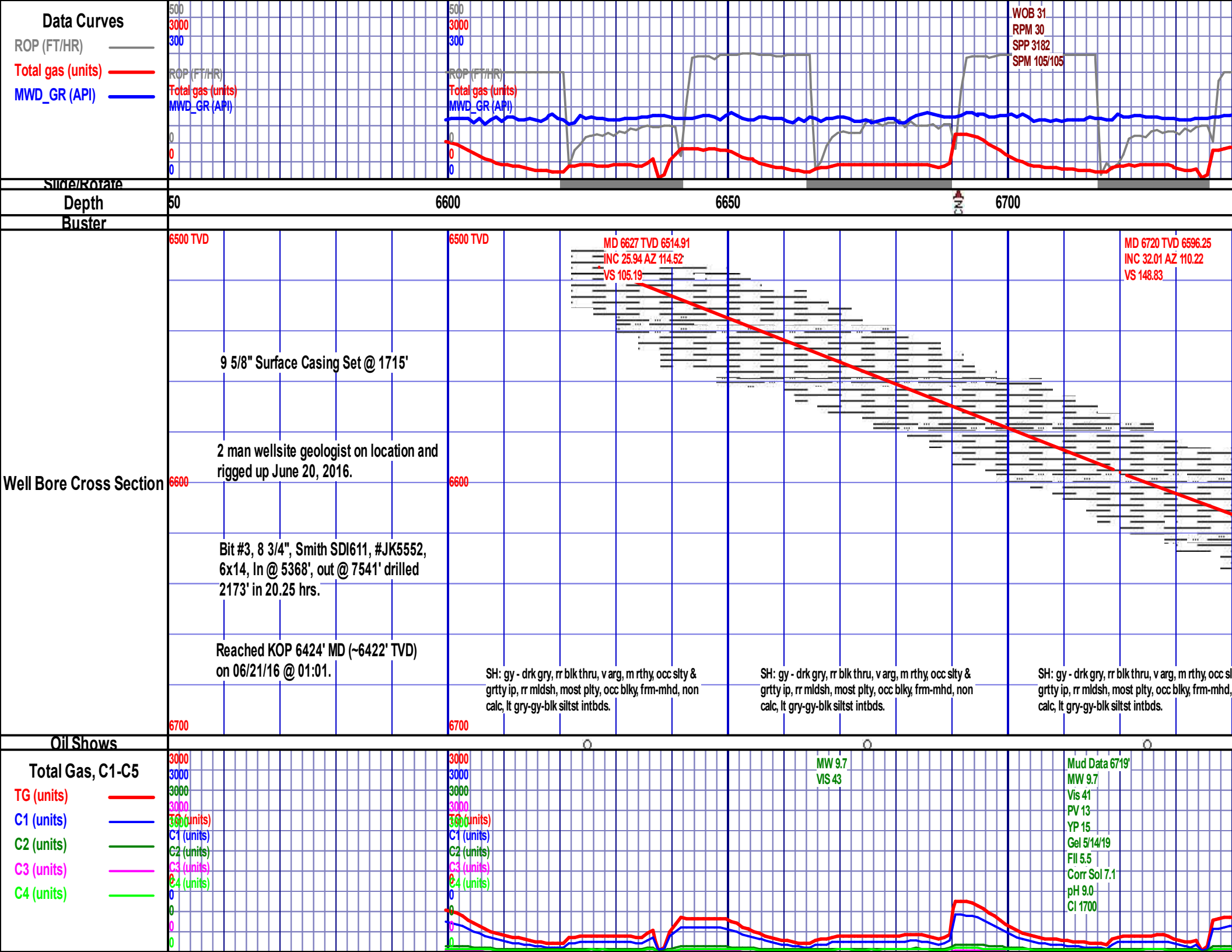
Inter
 Moldic
 Organic
 Pinpoint
 Vuggy

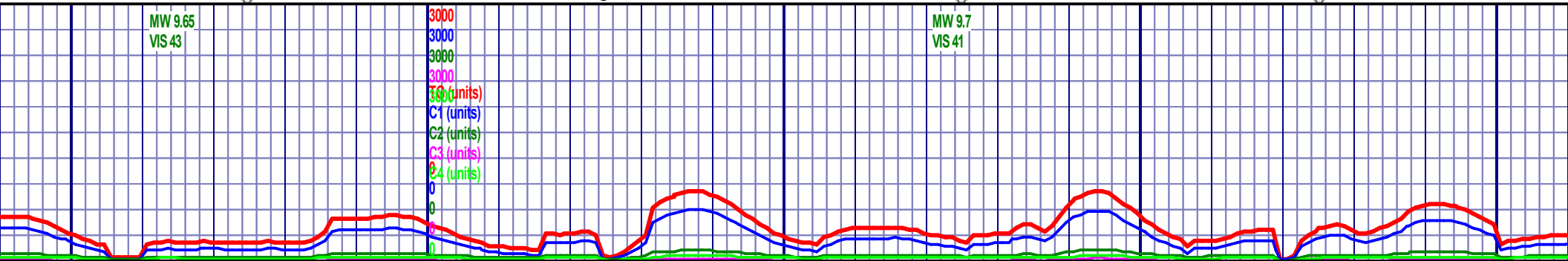
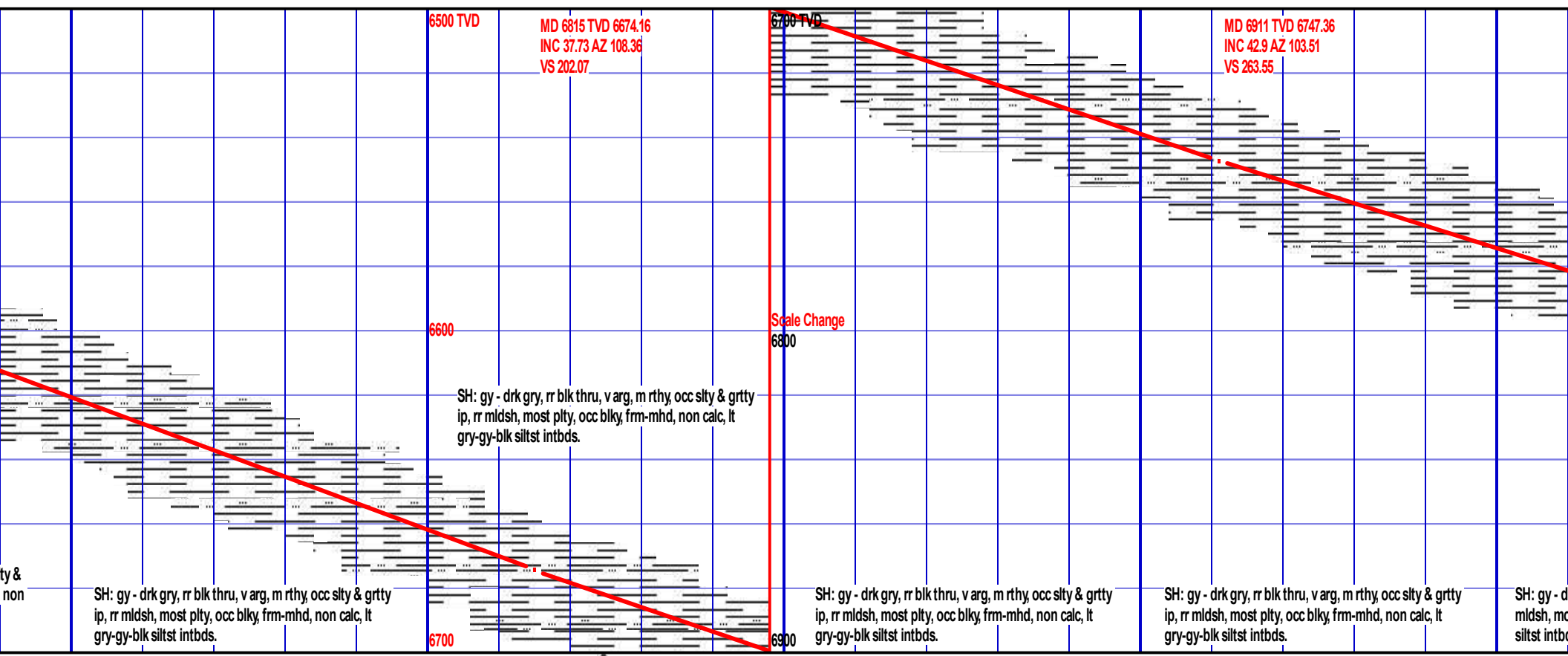
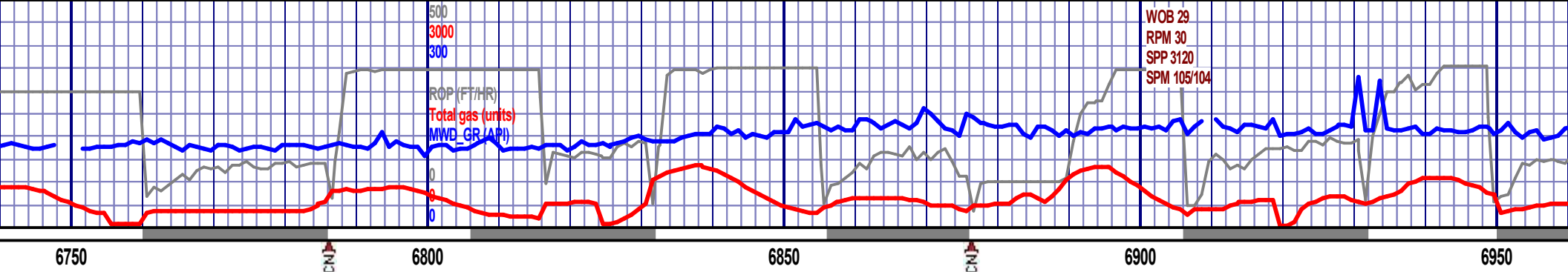
ROUNDING

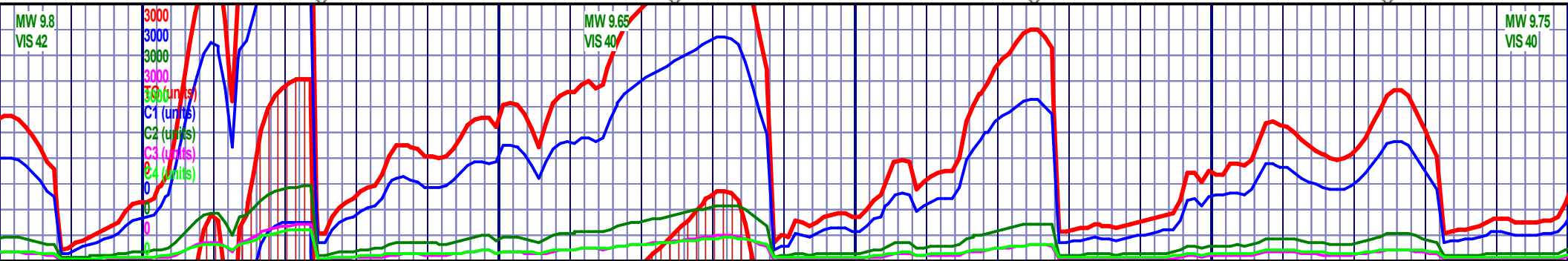
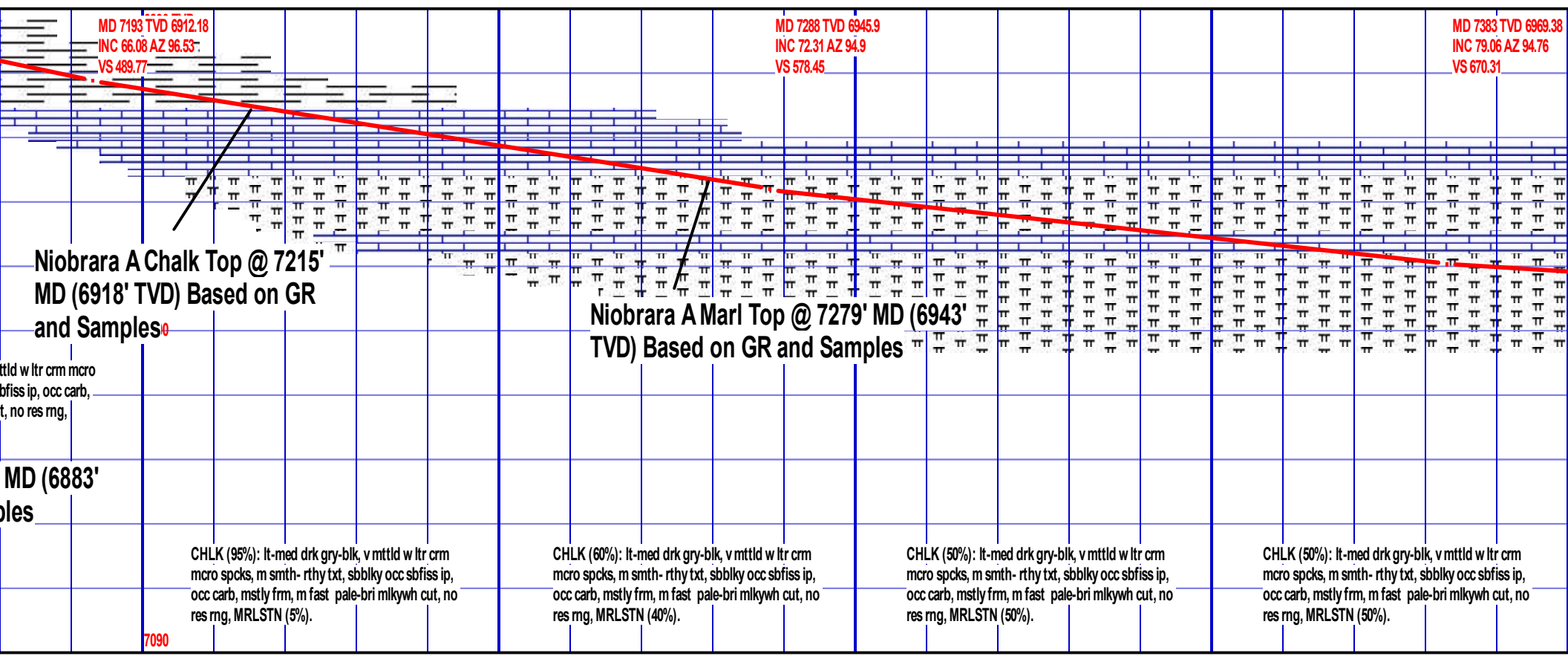
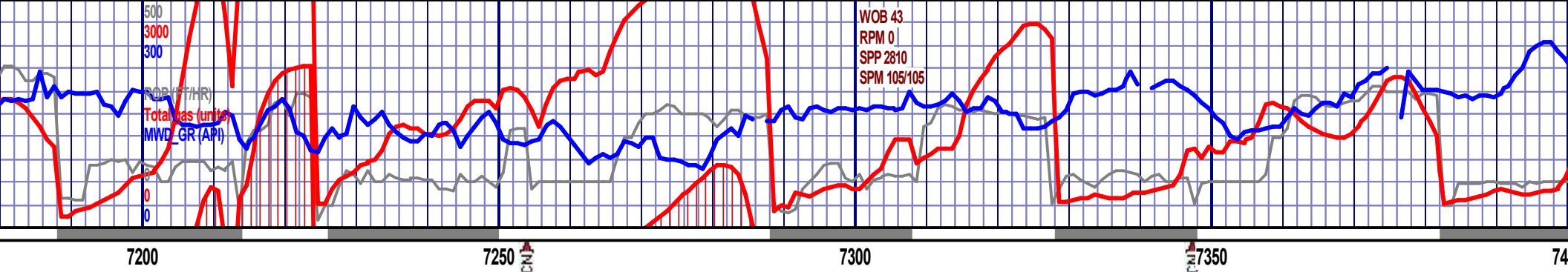
Rounded
 Subrnd
 Subang
 Angular

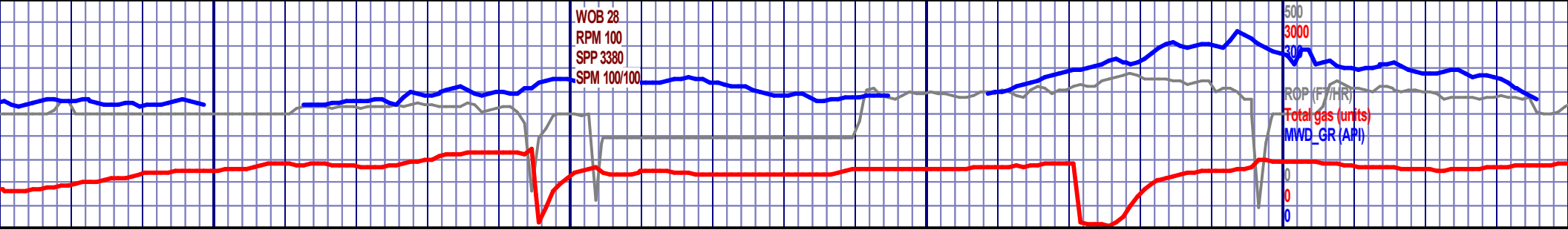
SORTING

Well
 Moderate
 Poor







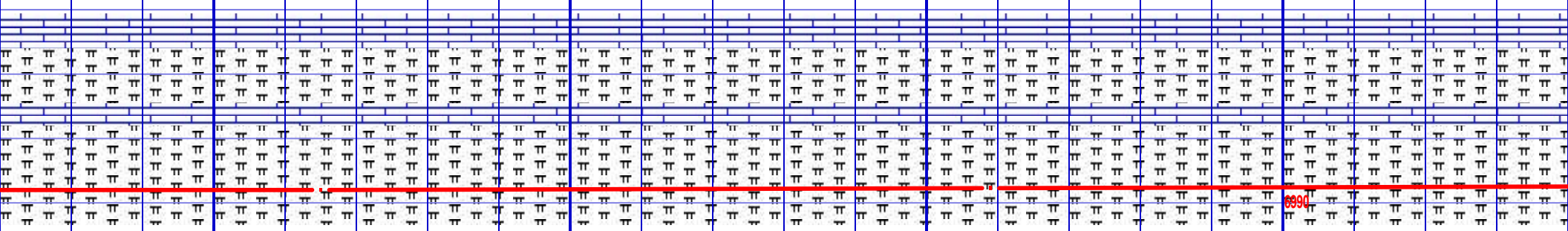


7650 7700 7750 7800

MD 7665 TVD 6986.06
INC 90.03 AZ 91.52
VS 950.54

MD 7759 TVD 6985.64
INC 90.48 AZ 90.19
VS 1043.8

6890 TVD

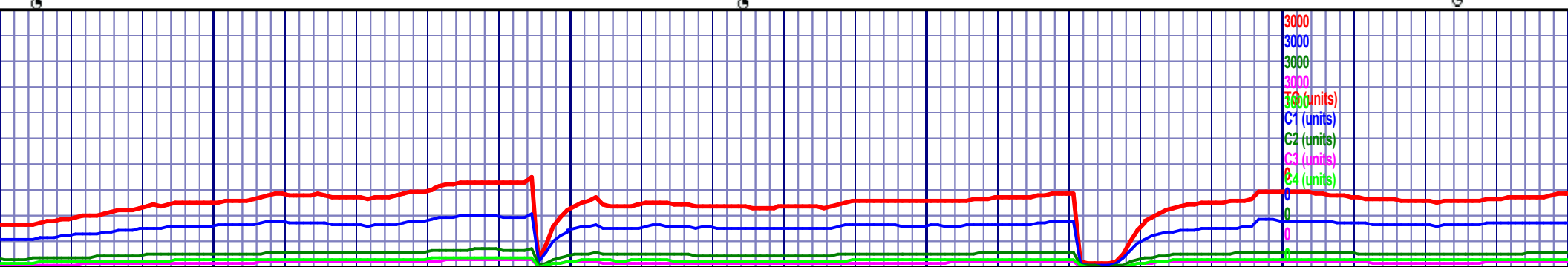


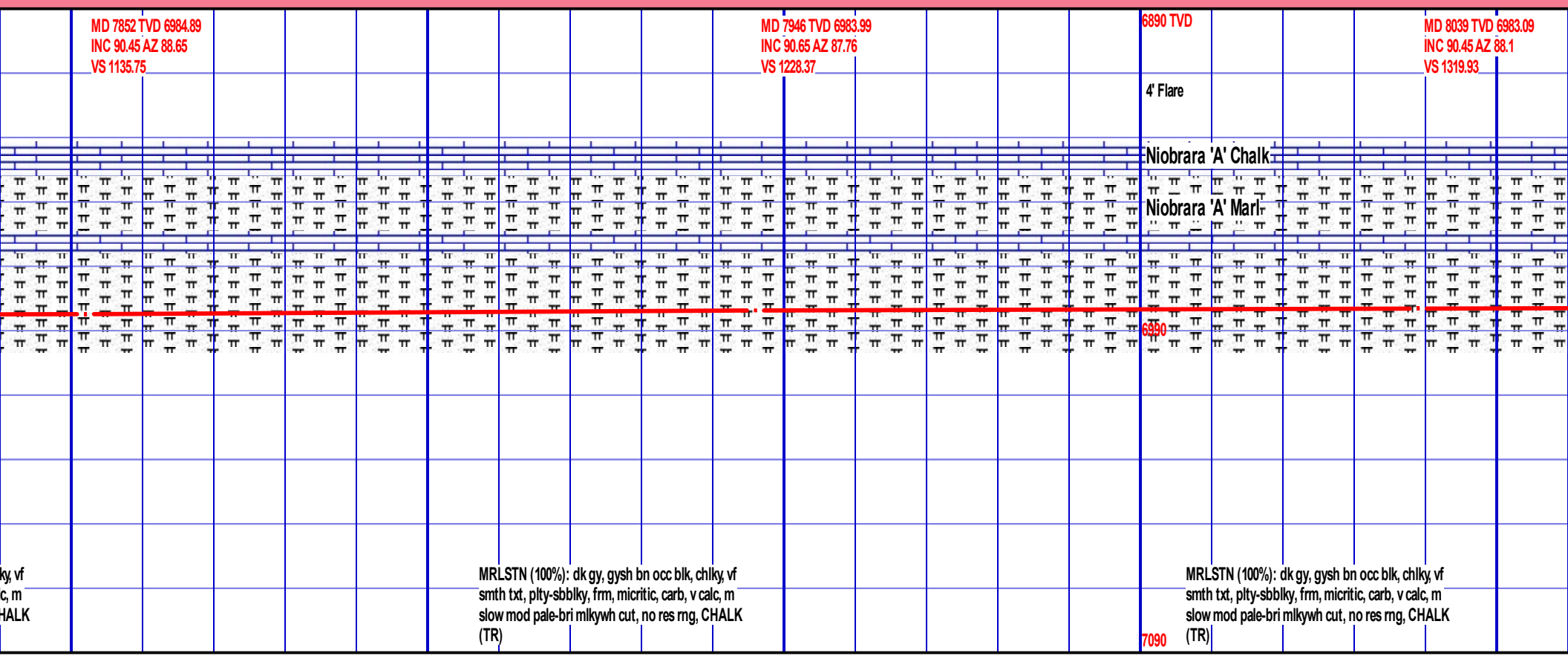
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ky, frm, micritic, carb, v calc, m
mlkywh cut, no res mg, CHALK

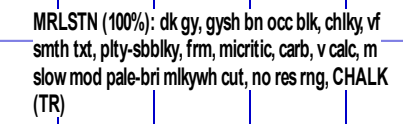
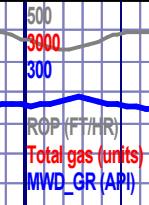
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smth txt, plty-sbbly, frm, micritic, carb, v calc, m
slow mod pale-bri mlkywh cut, no res mg, CHALK
(TR)

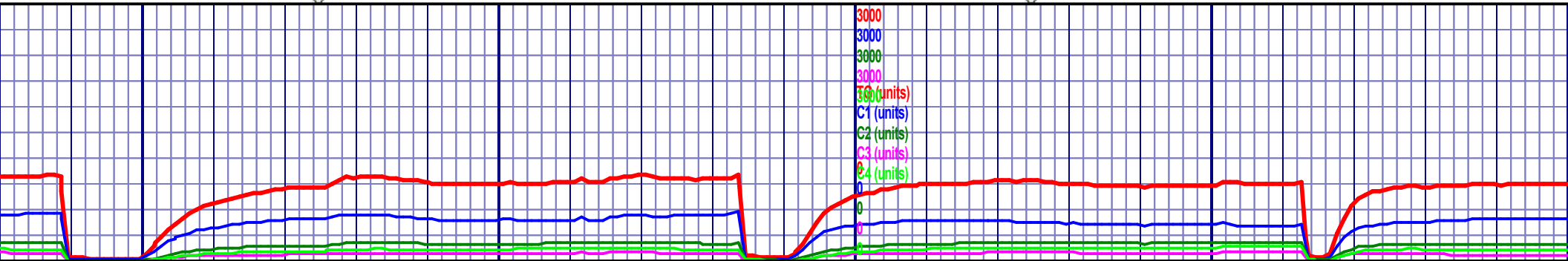
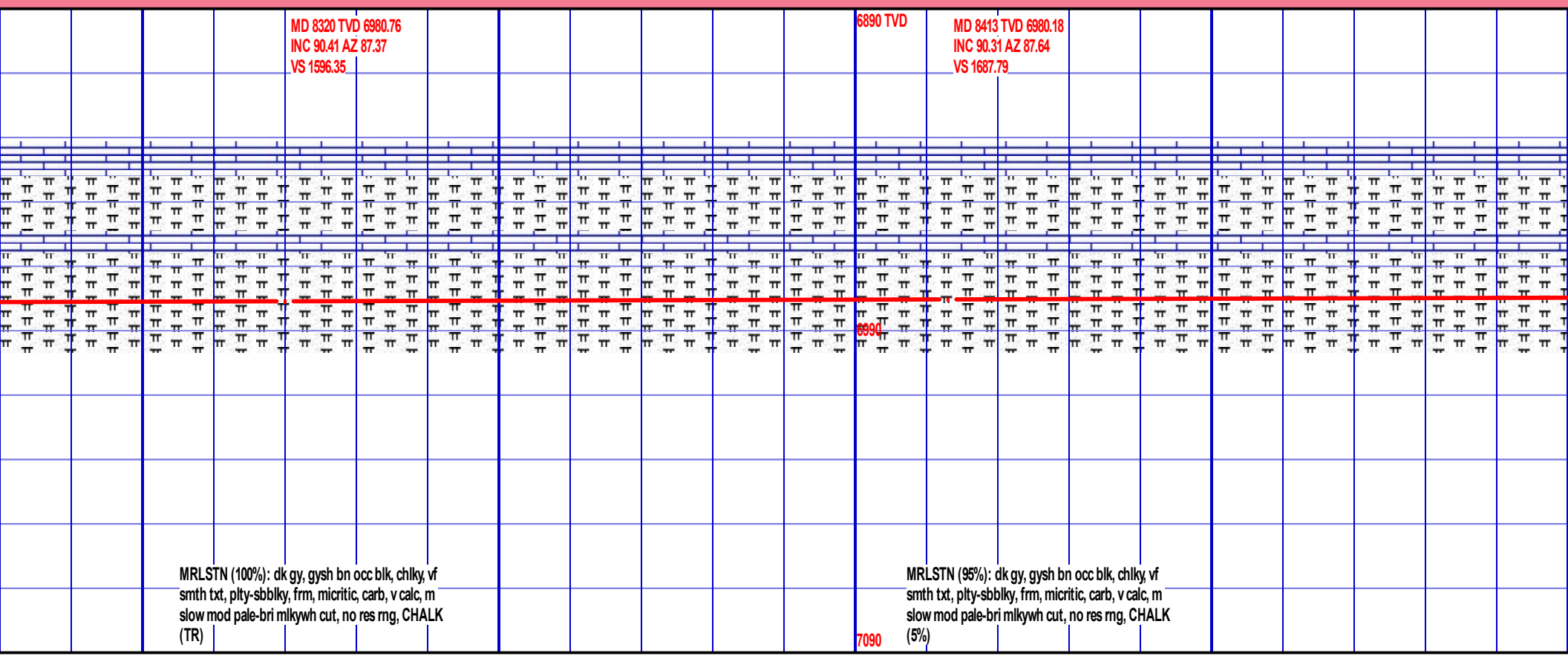
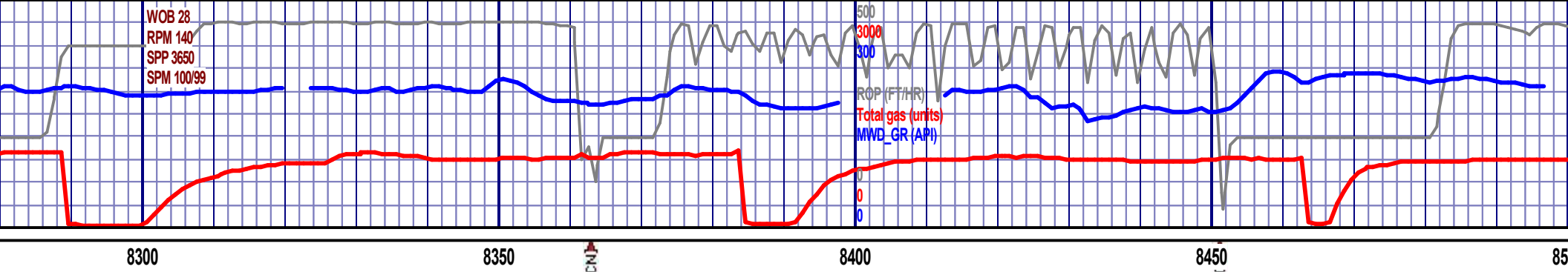
MRLSTN (100%): dk gy, gysh bn occ blk, chlk, vf
smth txt, plty-sbbly, frm, micritic, carb, v calc, m
slow mod pale-bri mlkywh cut, no res mg, CHALK
(TR)

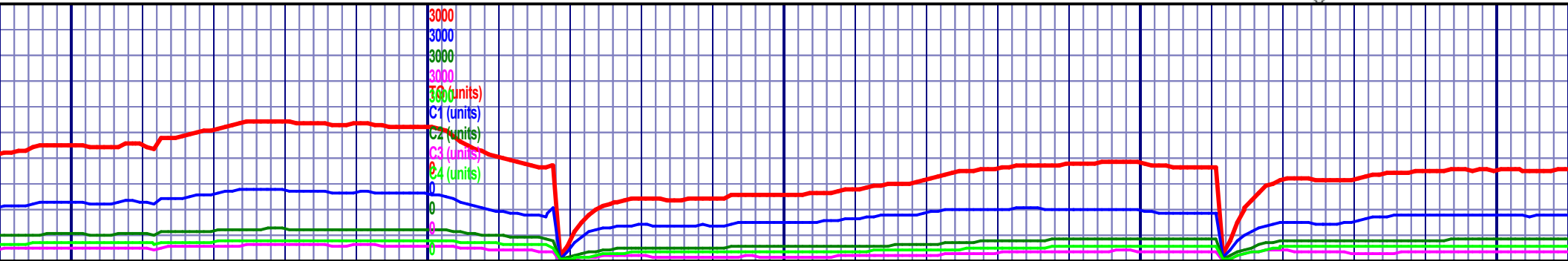
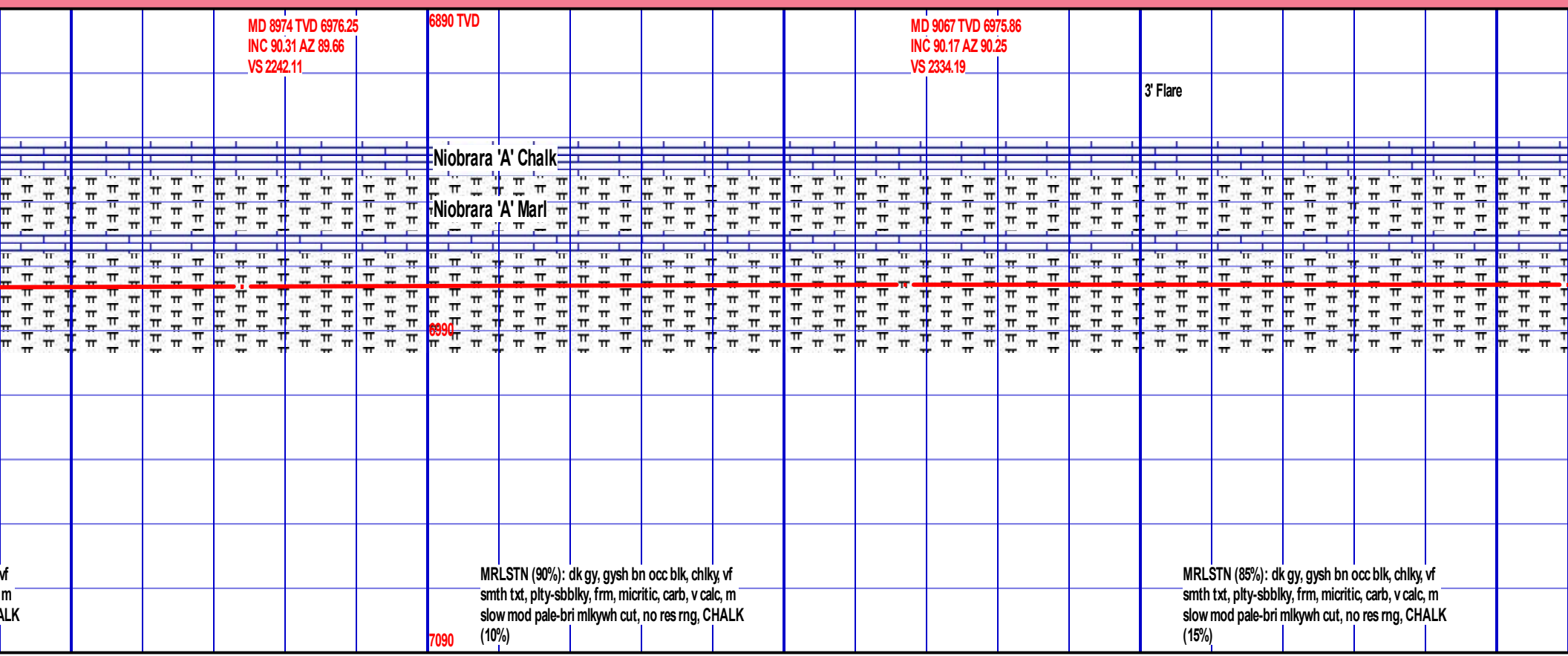
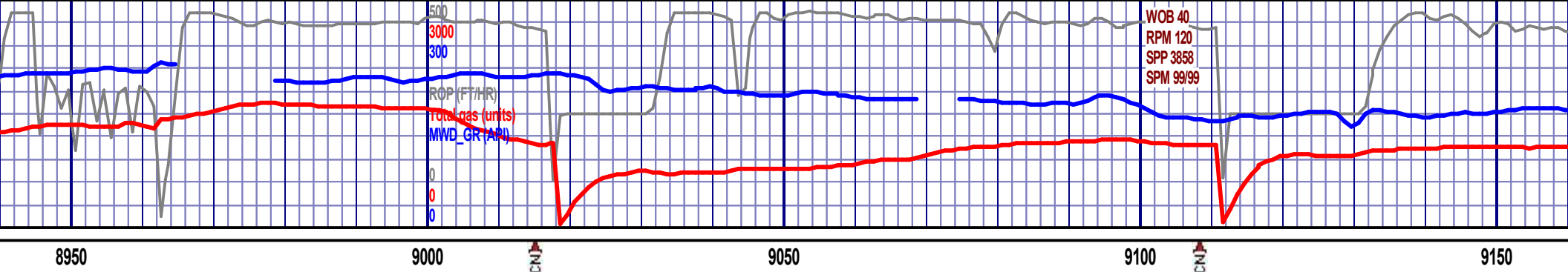
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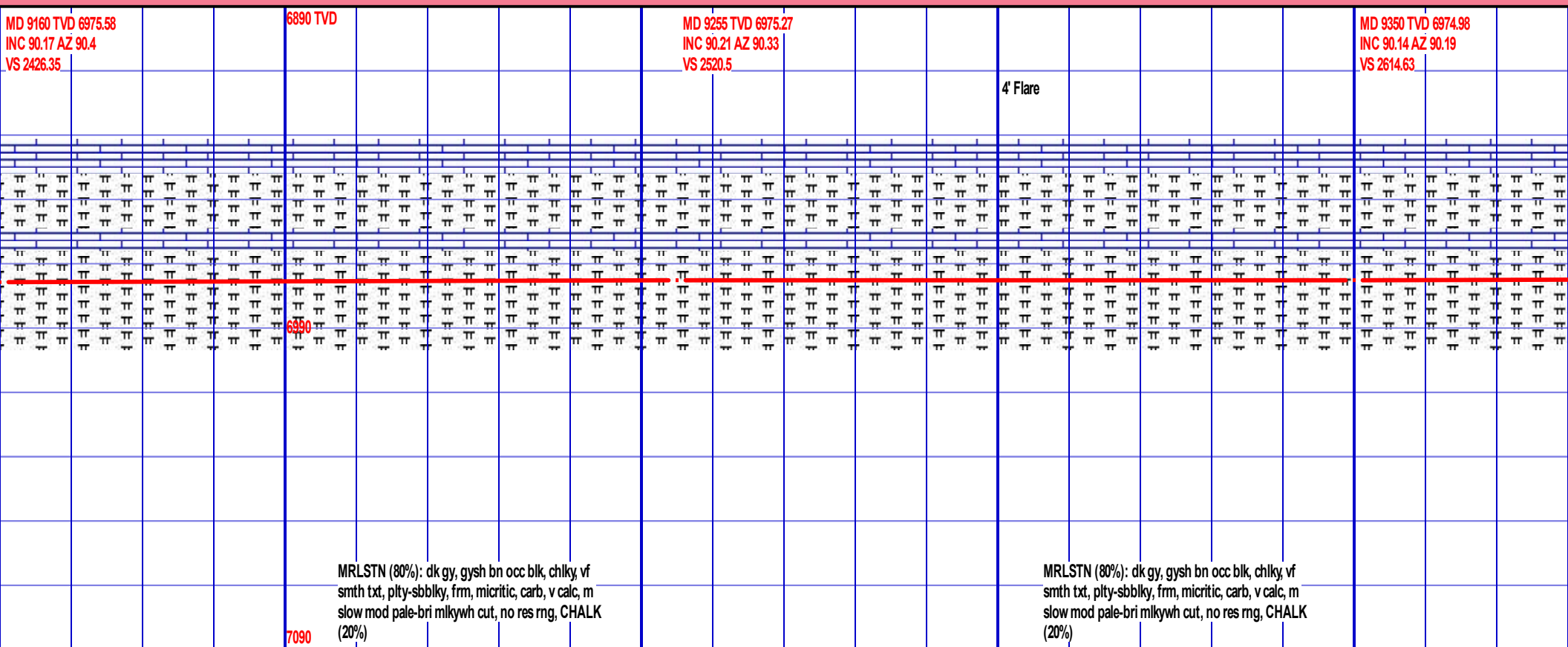


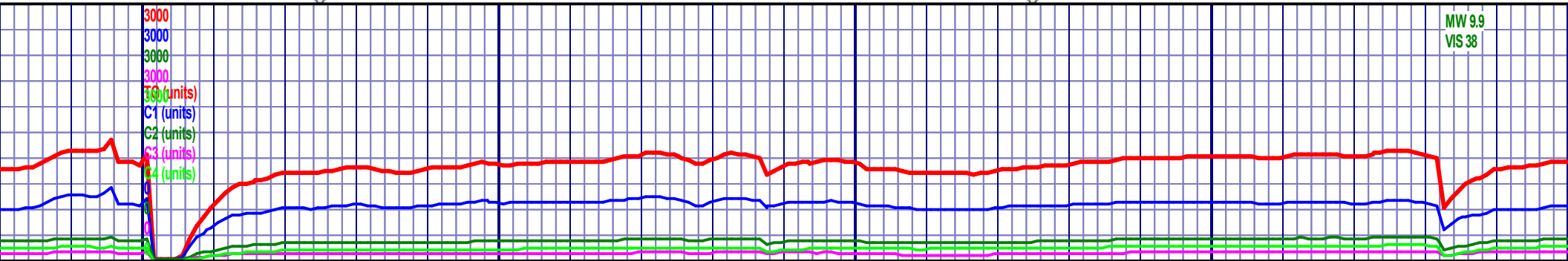
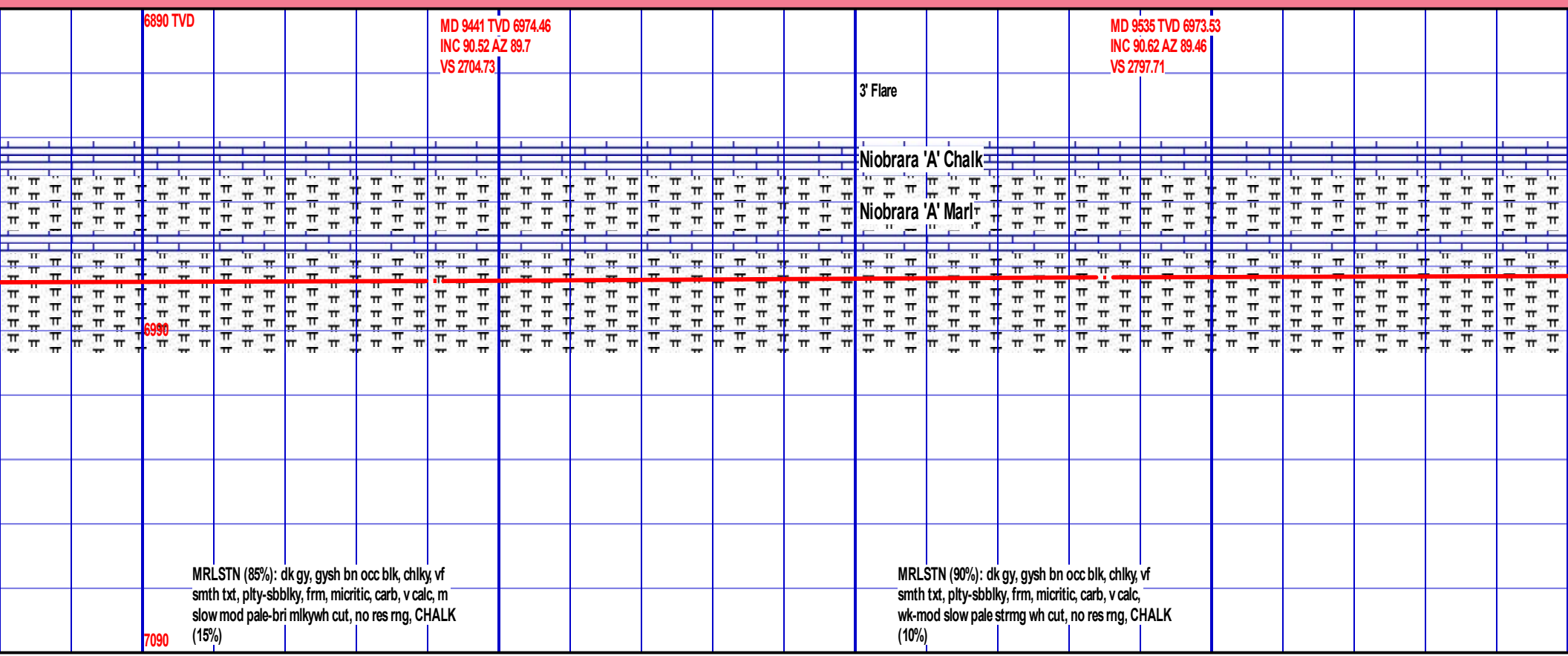
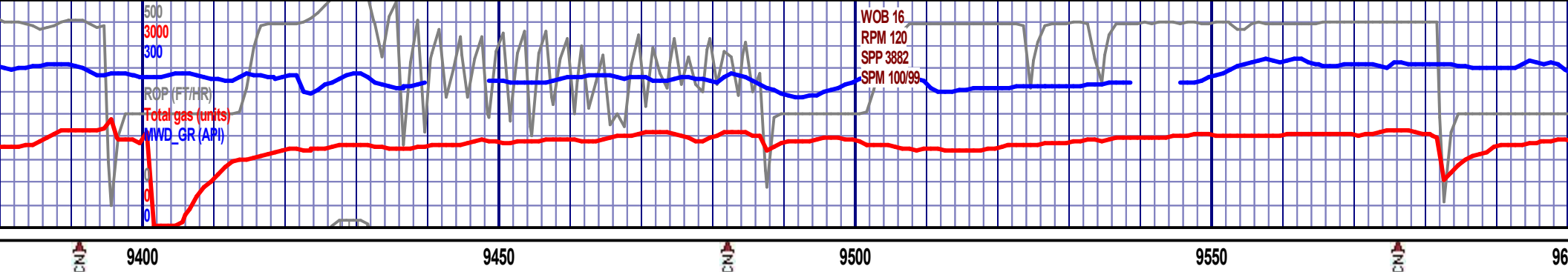


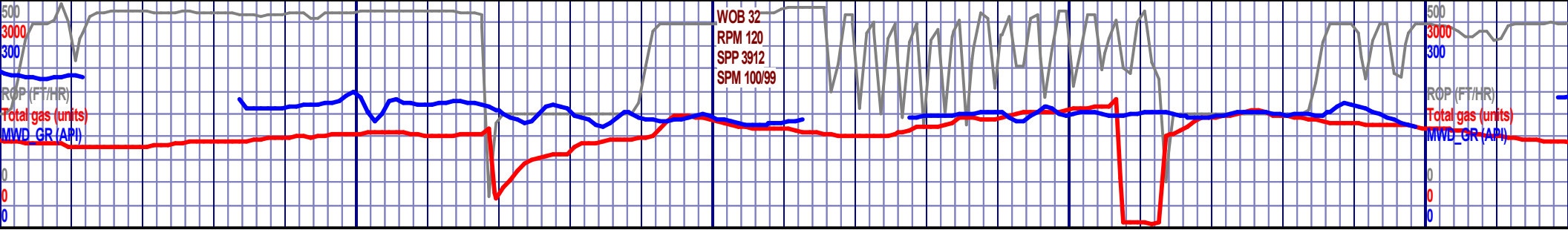




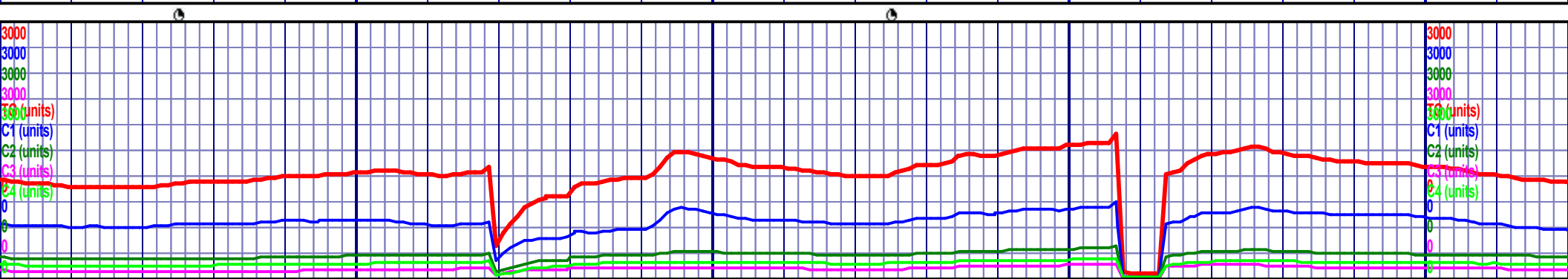
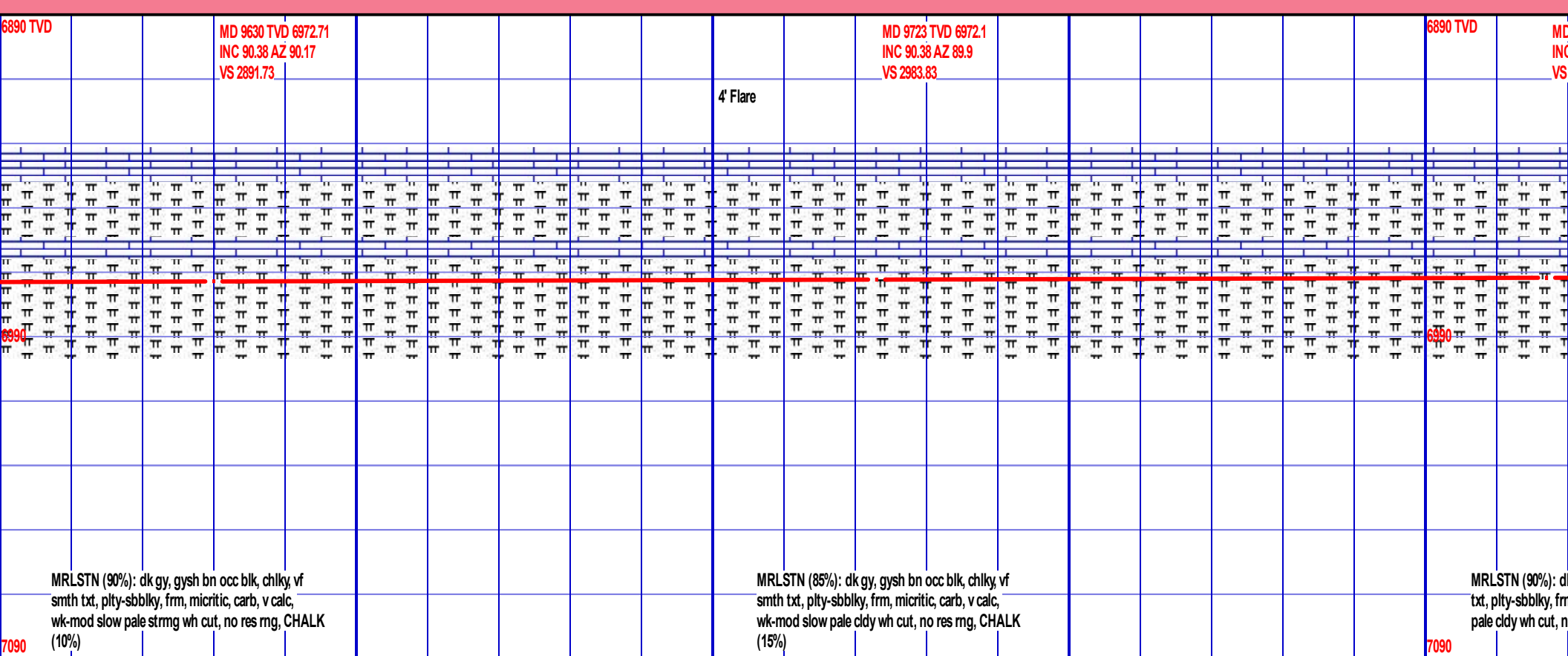


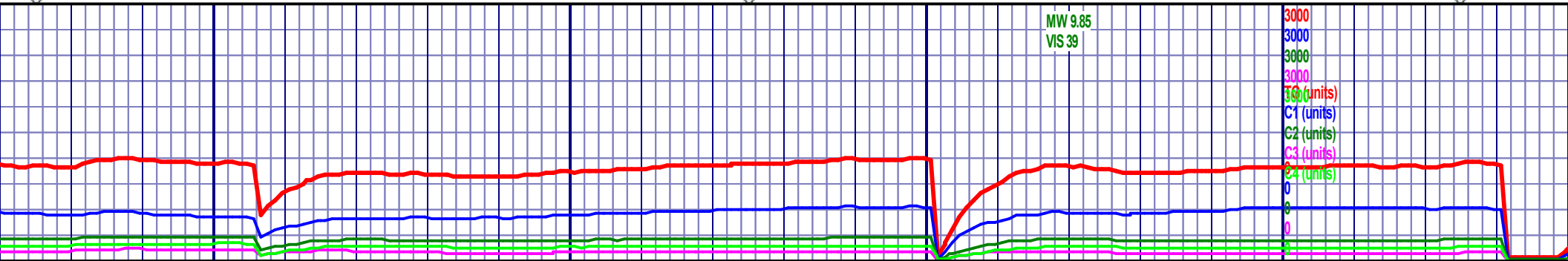
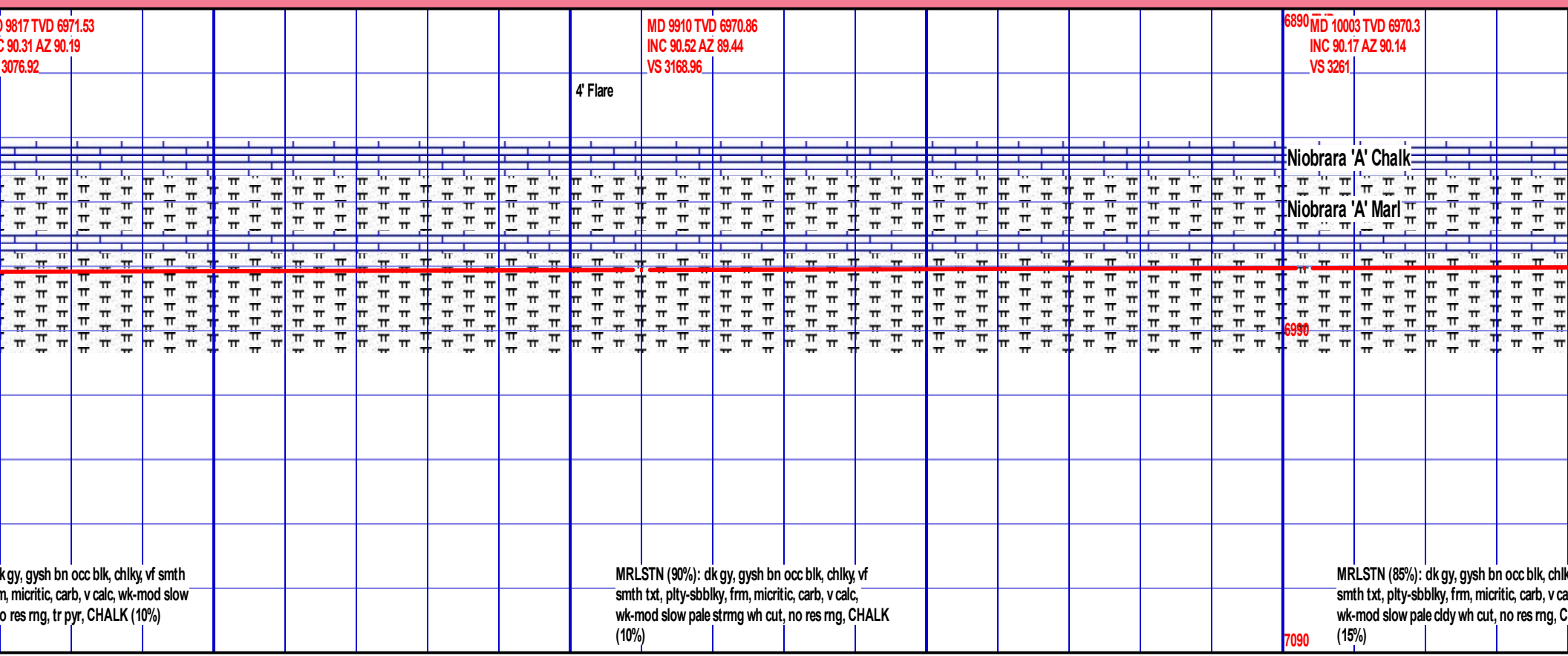
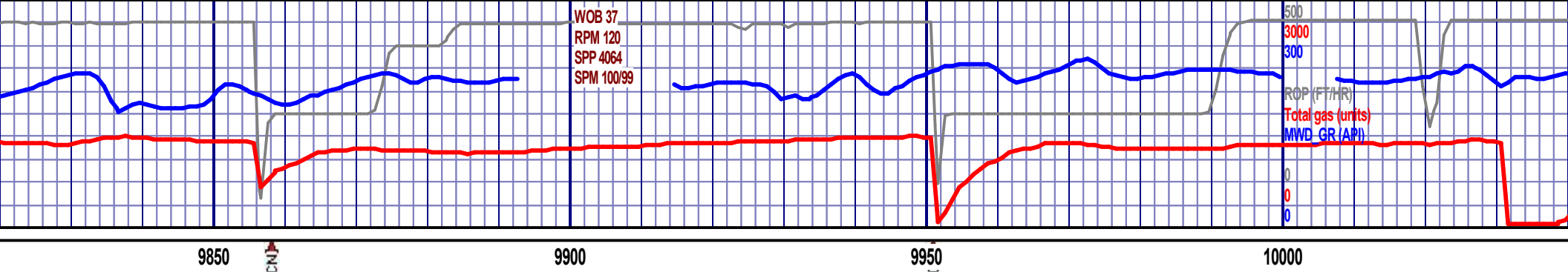


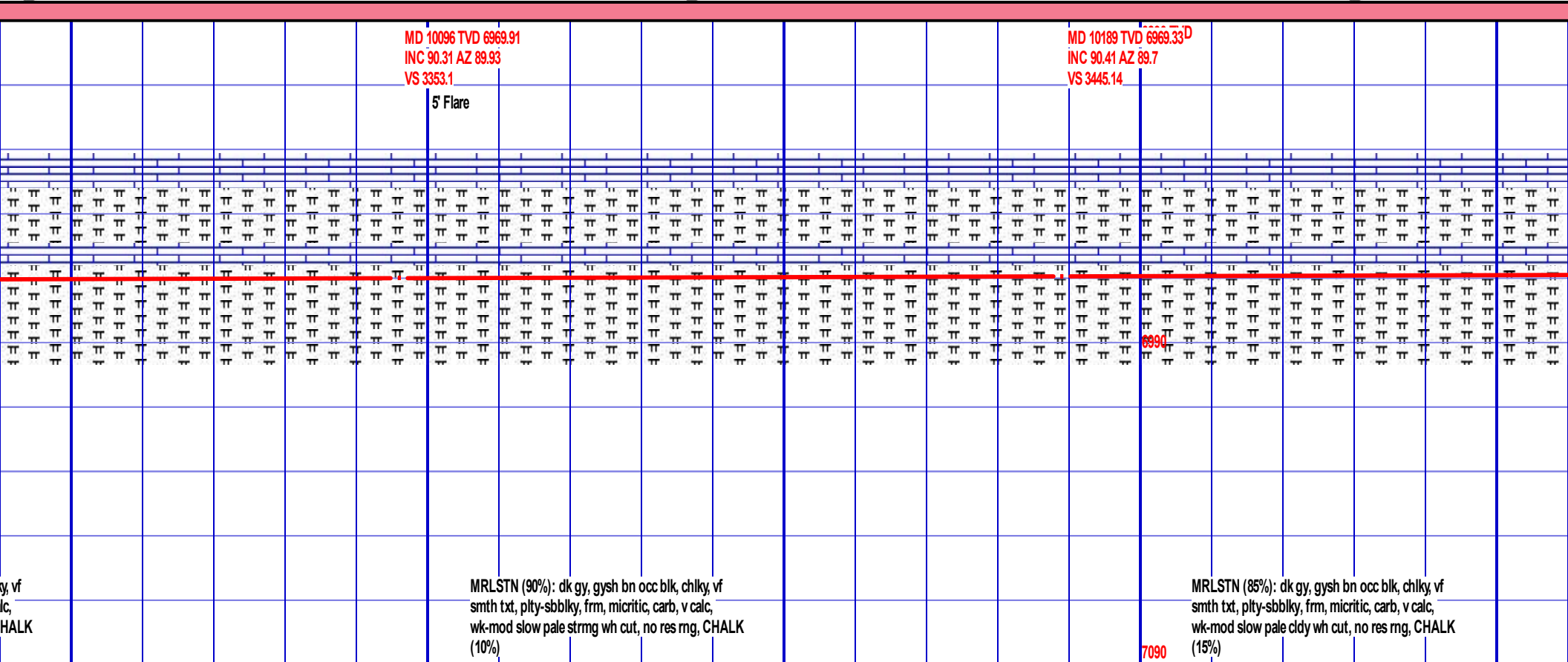


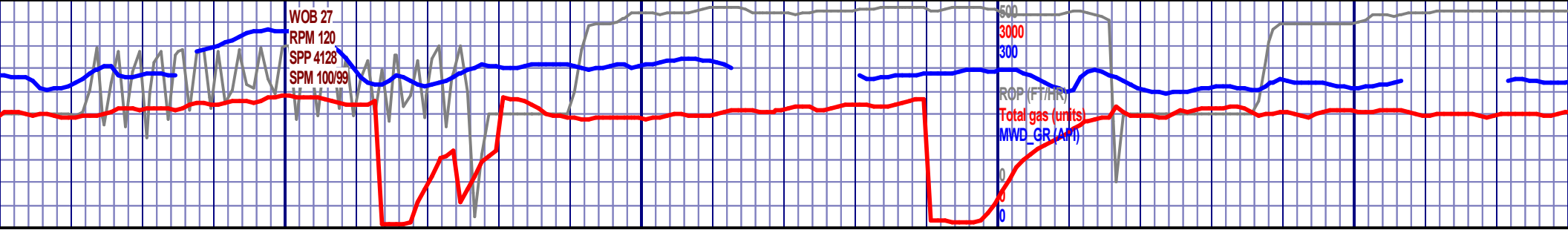


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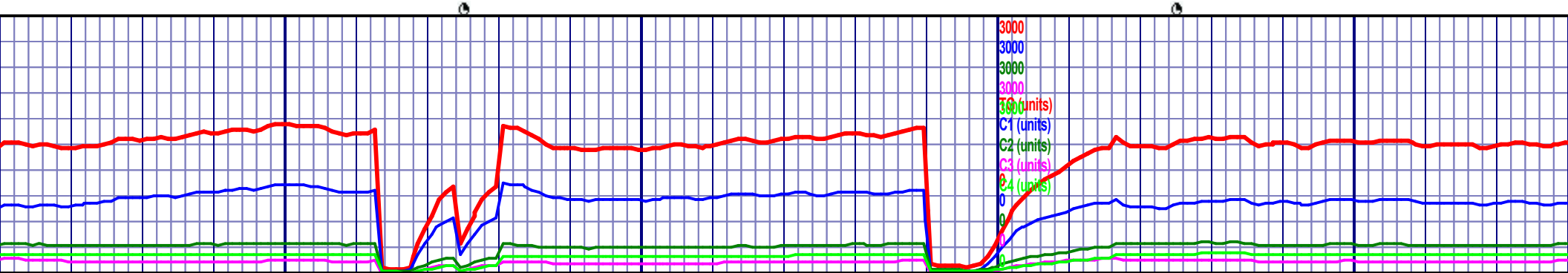
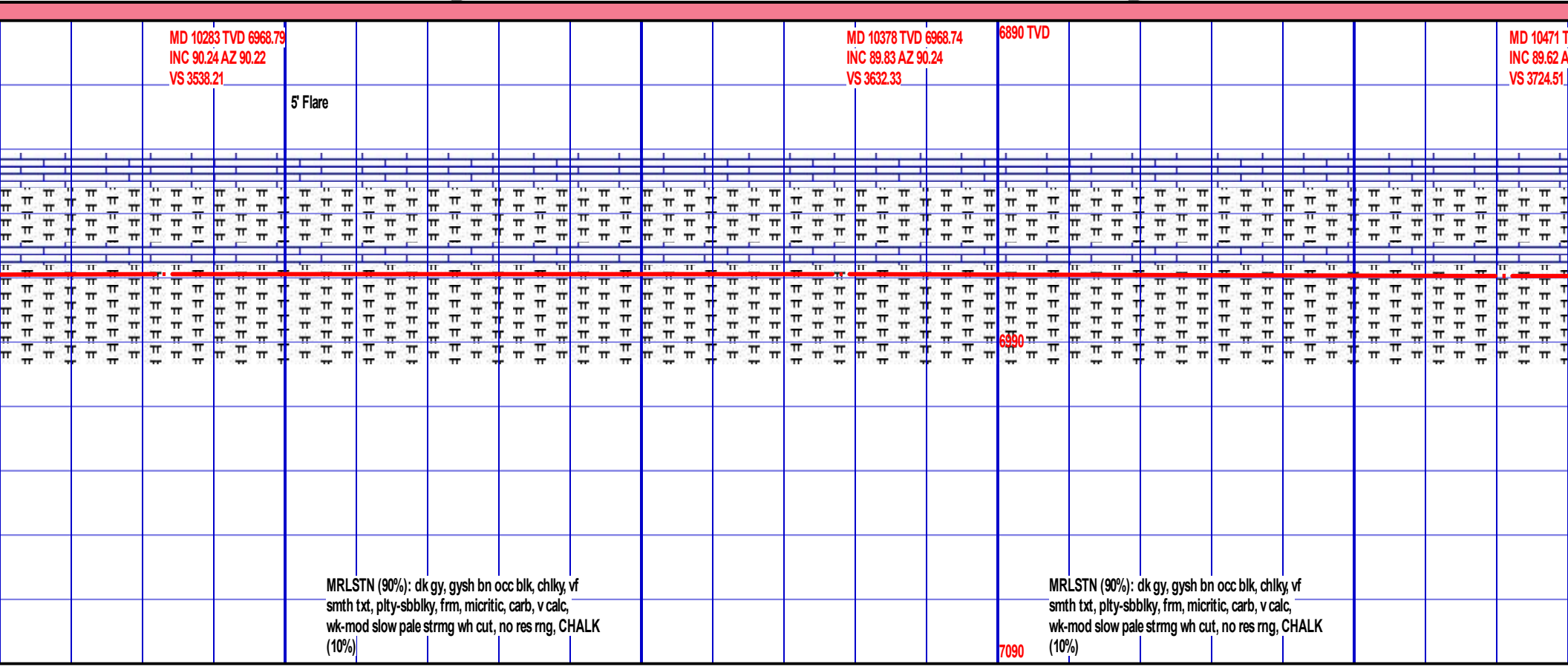


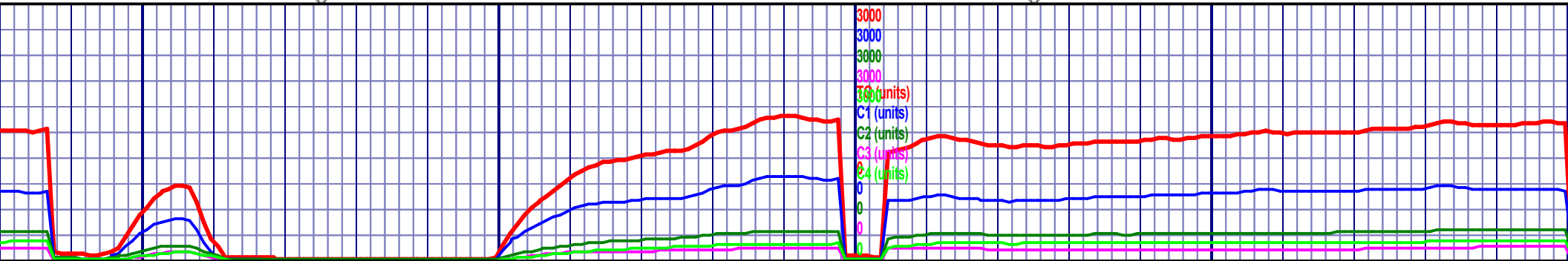
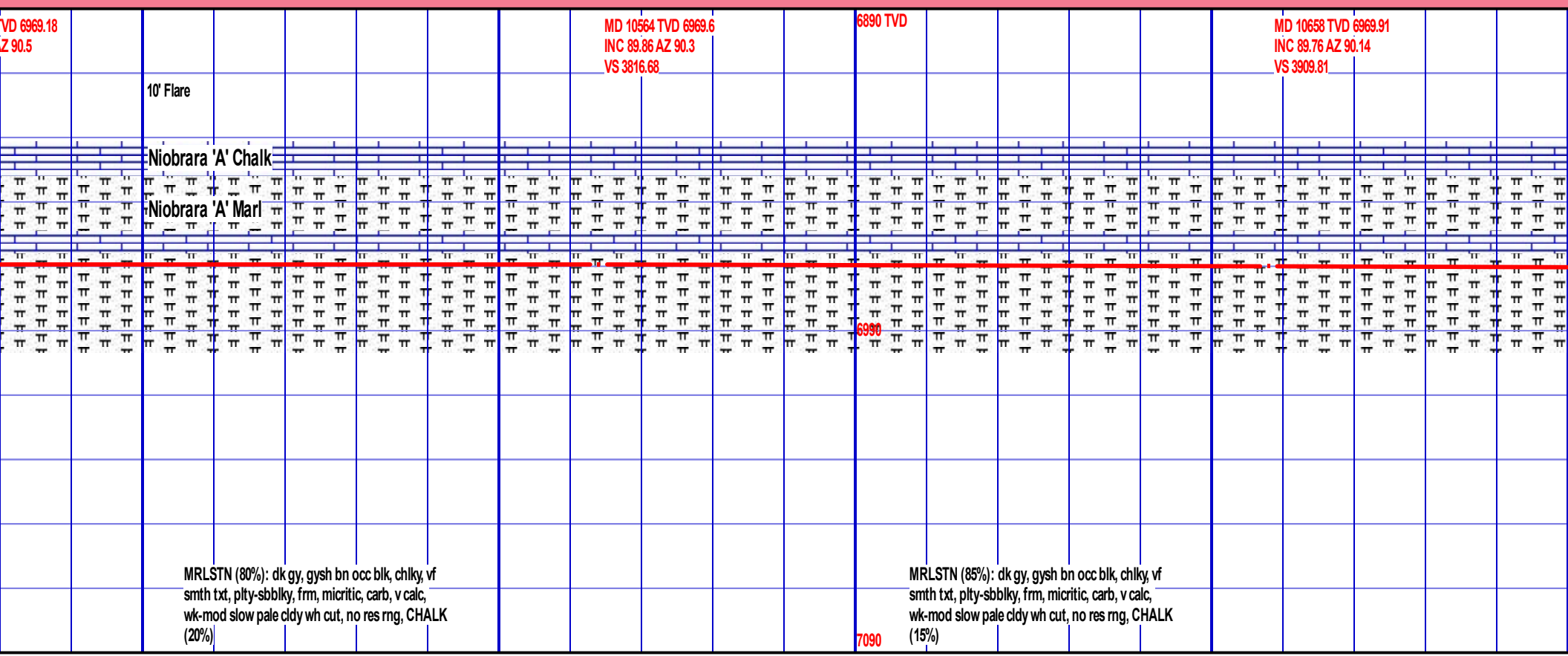
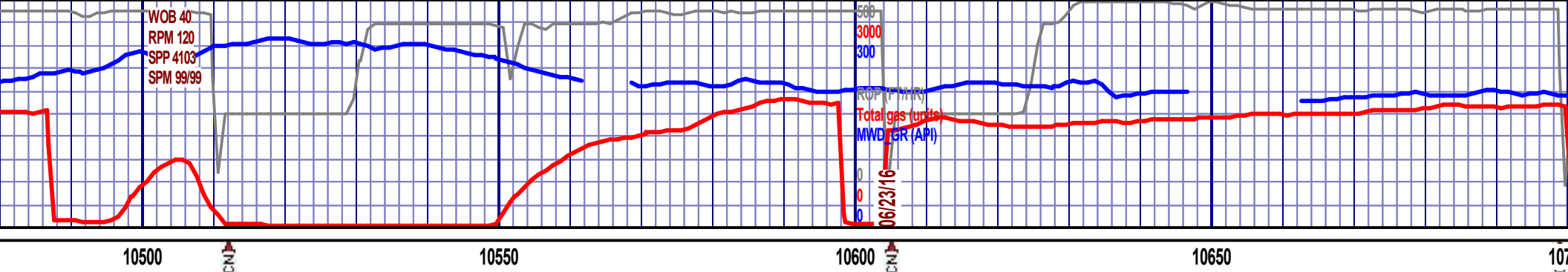


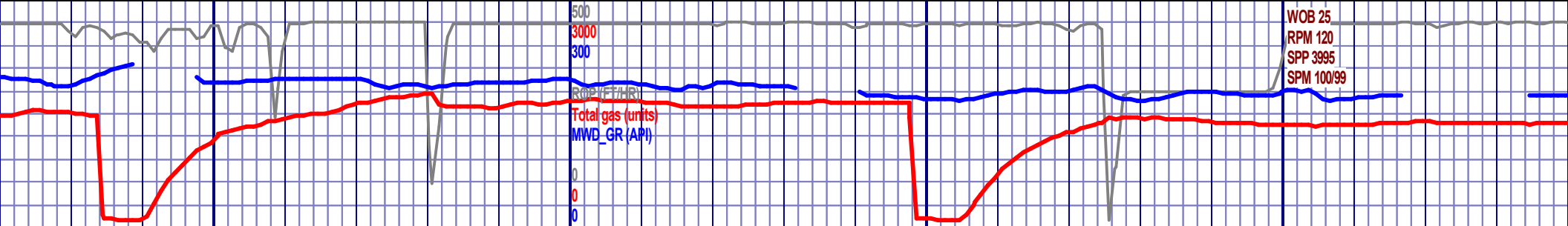




10300 10350 10400 10450







WOB 25
RPM 120
SPP 3995
SPM 100/99

10950

11000

11050

11100

MD 10939 TVD 6971.04
INC 89.97 AZ 89.66
VS 4188.12

6890 TVD

MD 11034 TVD 6971.21
INC 89.83 AZ 89.57
VS 4282.1

MD 11129 TVD
INC 89.73 AZ
VS 4376.14

6' Flare

Niobrara 'A' Chalk

Niobrara 'A' Marl

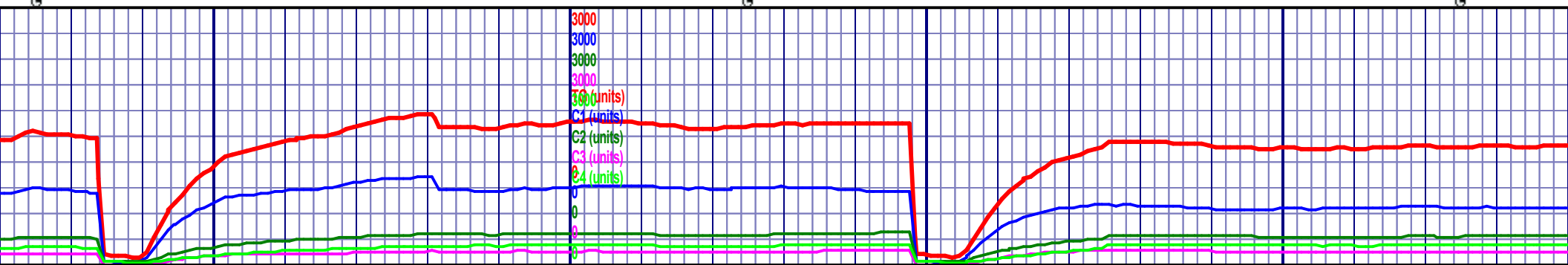
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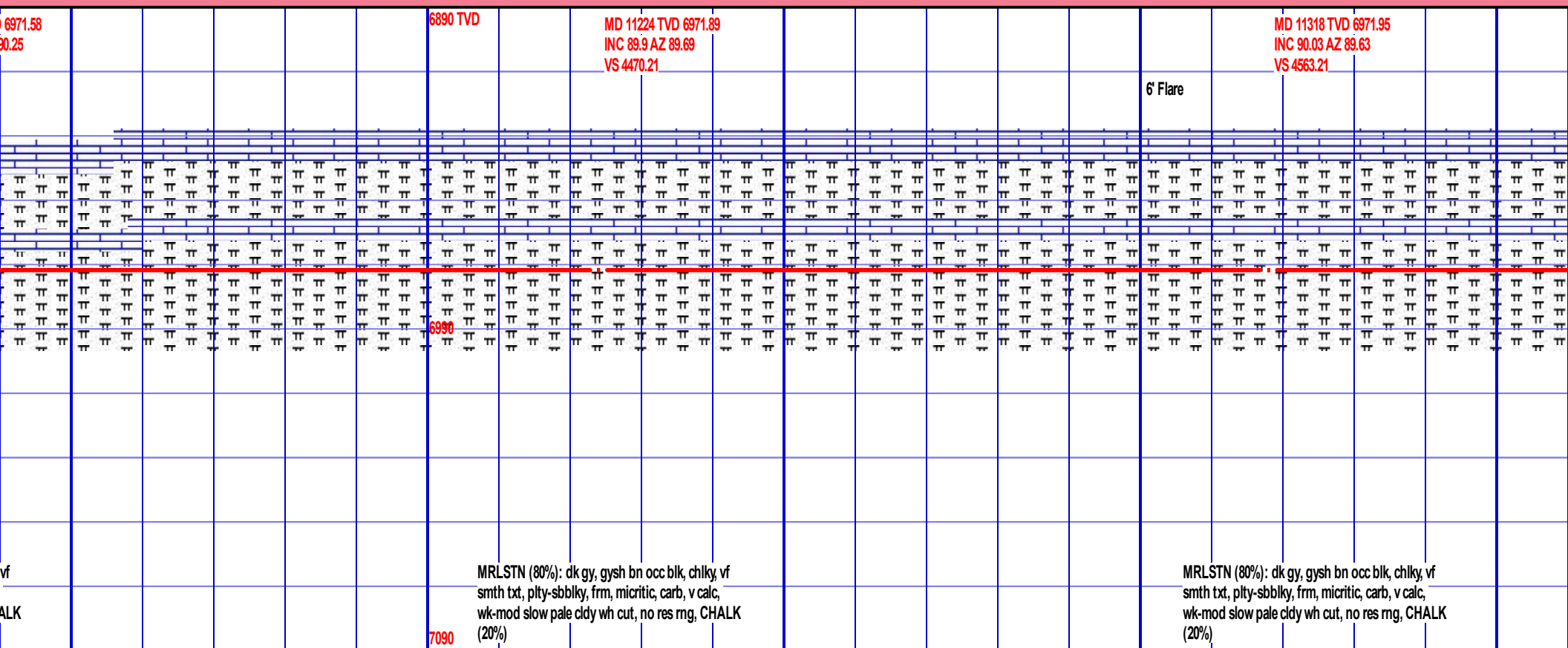
dk gy, gysh bn occ blk, chlk, vf
ky, frm, micritic, carb, v calc,
strmg wh cut, no res rng, CHALK

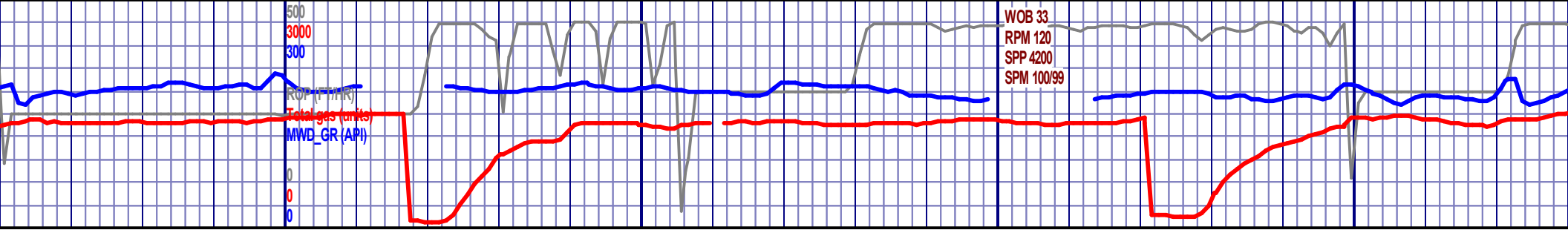
MRLSTN (85%): dk gy, gysh bn occ blk, chlk, vf
smth txt, plty-sbbly, frm, micritic, carb, v calc,
wk-mod slow pale cldy wh cut, no res rng, CHALK
(15%)

MRLSTN (85%): dk gy, gysh bn occ blk, chlk,
smth txt, plty-sbbly, frm, micritic, carb, v calc,
wk-mod slow pale cldy wh cut, no res rng, CHALK
(15%)

7090







11400

11450

11500

11550

6890 TVD

MD 11412 TVD 6971.89
INC 90.03 AZ 89.5
VS 4656.19

MD 11507 TVD 6971.64
INC 90.27 AZ 90.13
VS 4750.21

4' Flare

Niobrara 'A' Chalk

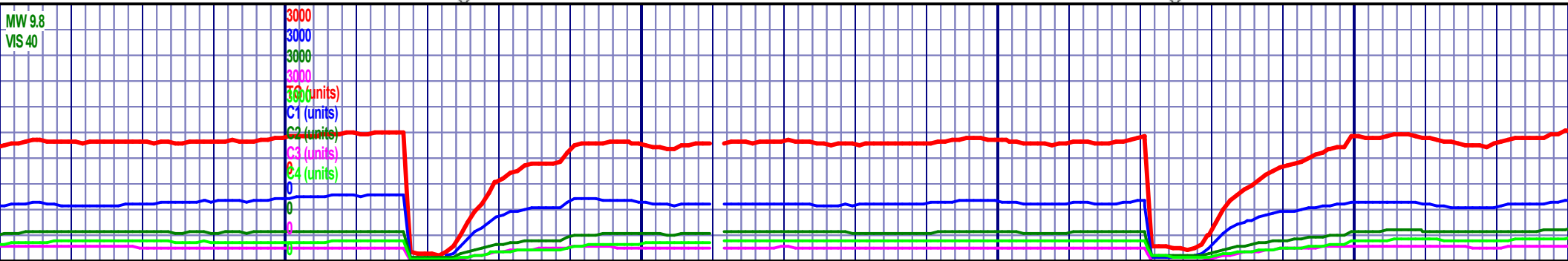
Niobrara 'A' Marl

6890

7090

MRLSTN (85%): dk gy, gysh bn occ blk, chlk, vf
smth txt, plty-sbbly, frm, micritic, carb, v calc,
wk-mod slow pale cldy wh cut, no res rng, CHALK
(15%)

MRLSTN (90%): dk gy, gysh bn occ blk, chlk, vf
smth txt, plty-sbbly, frm, micritic, carb, v calc,
wk-mod slow pale cldy wh cut, no res rng, CHALK
(10%)



MW 9.8
VIS 40

3000

3000

3000

3000

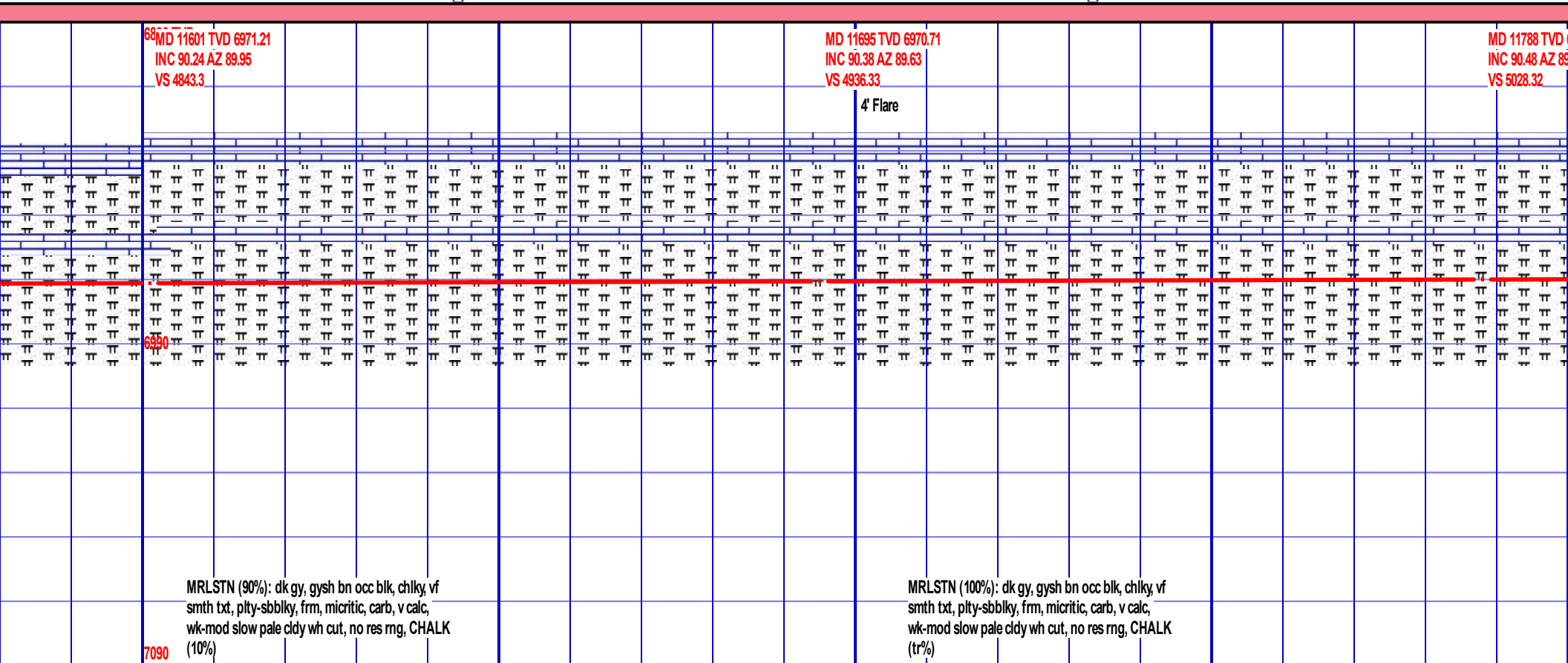
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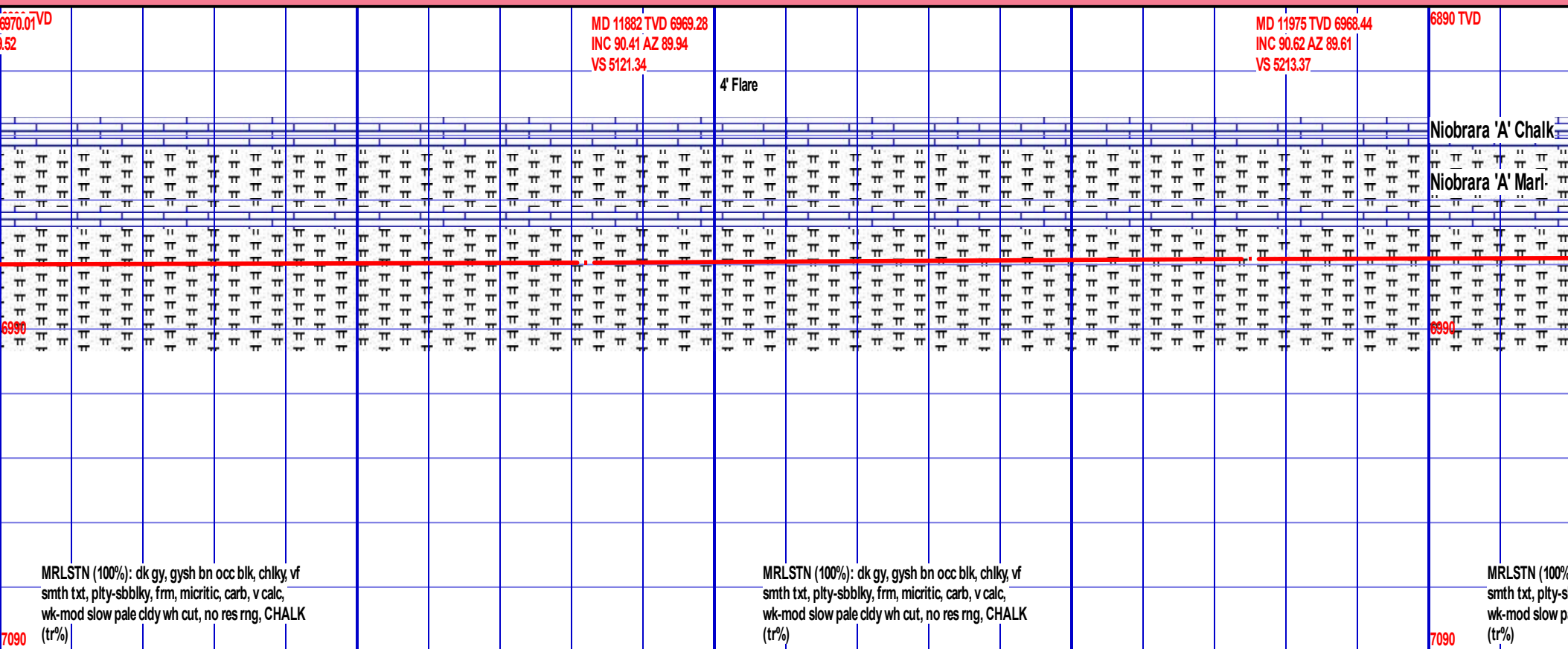
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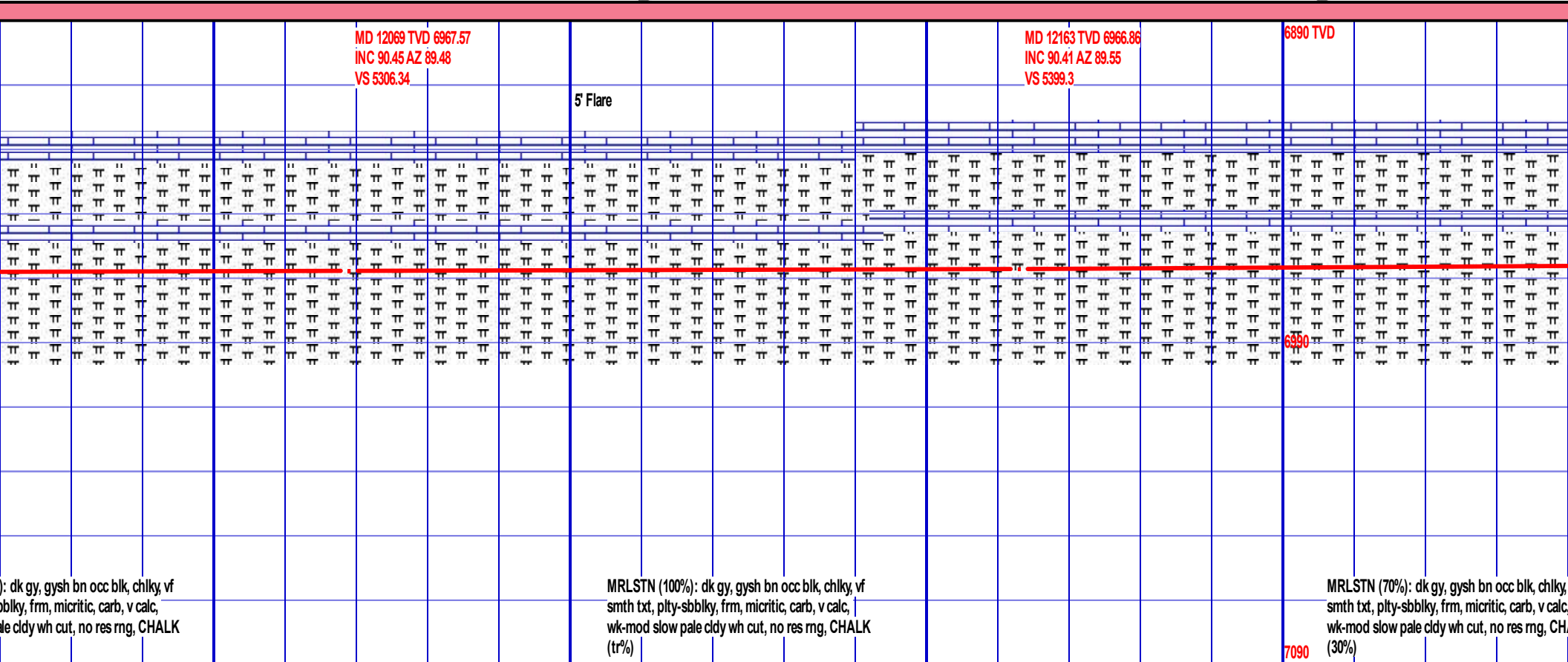
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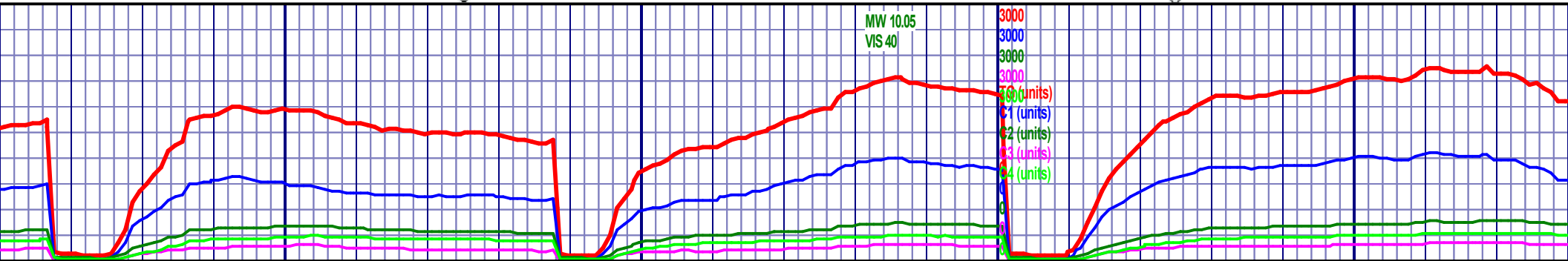
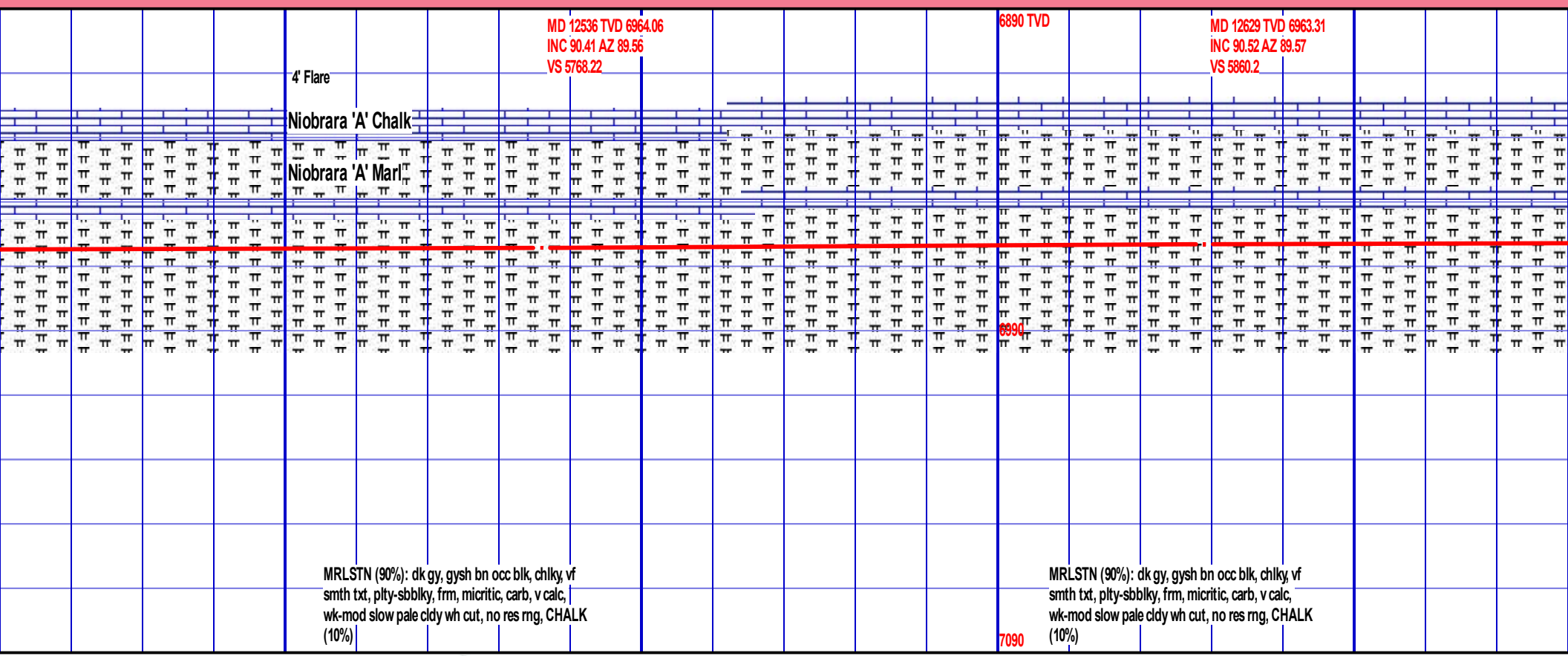
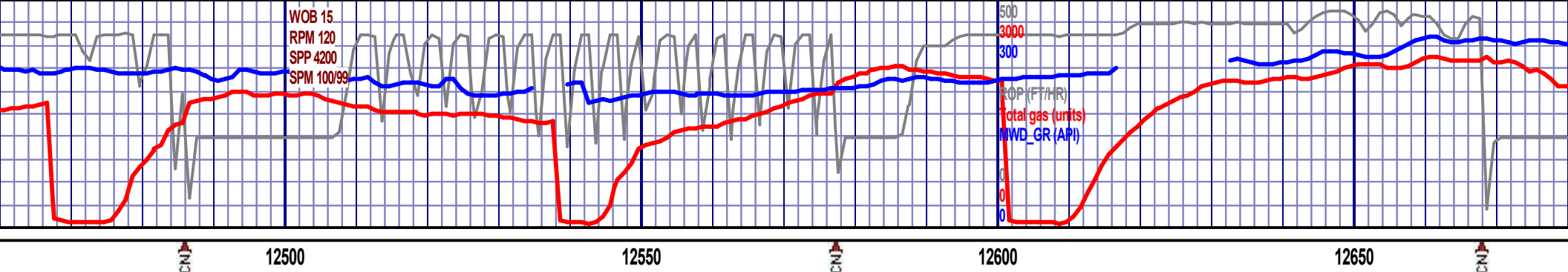
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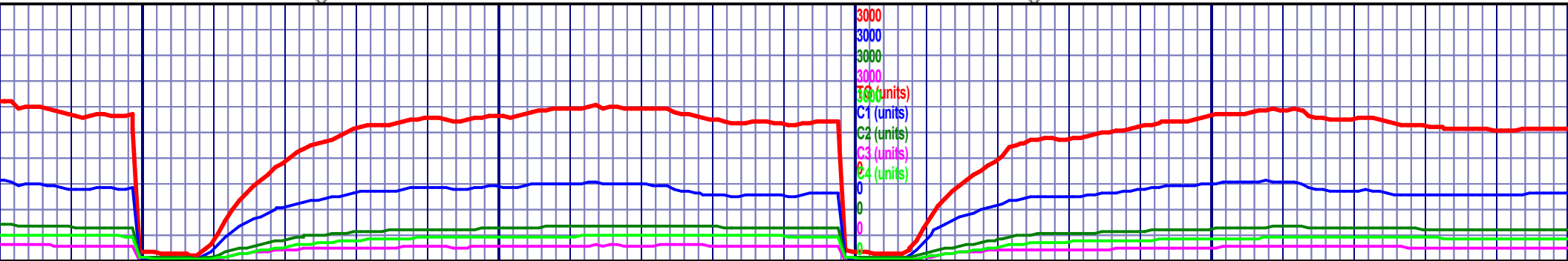
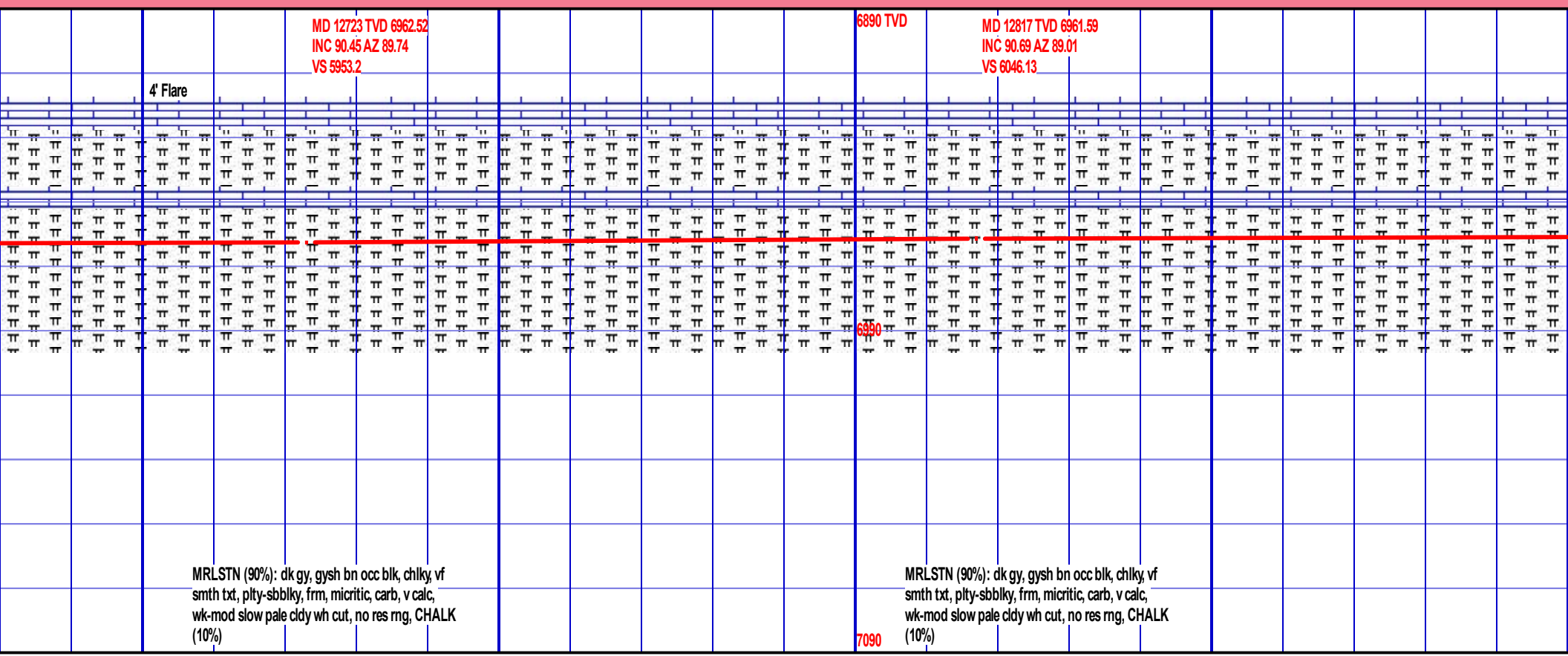
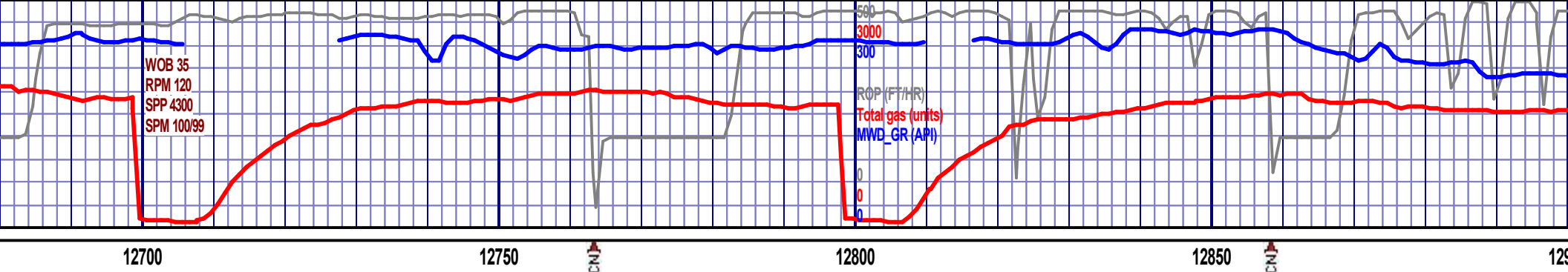
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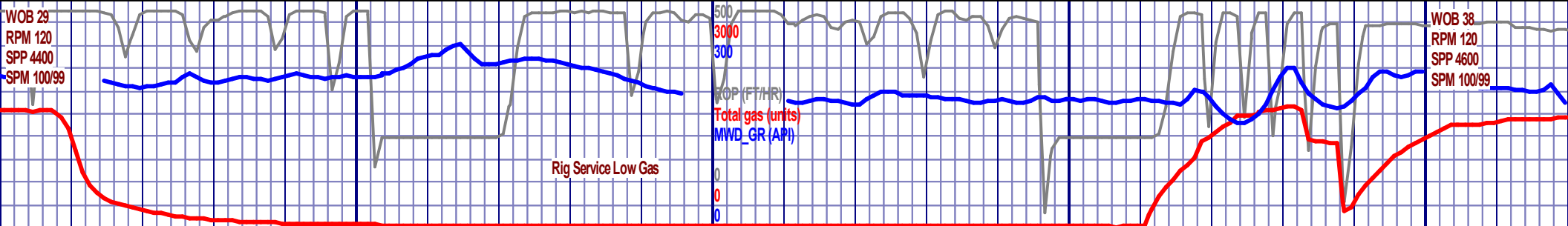




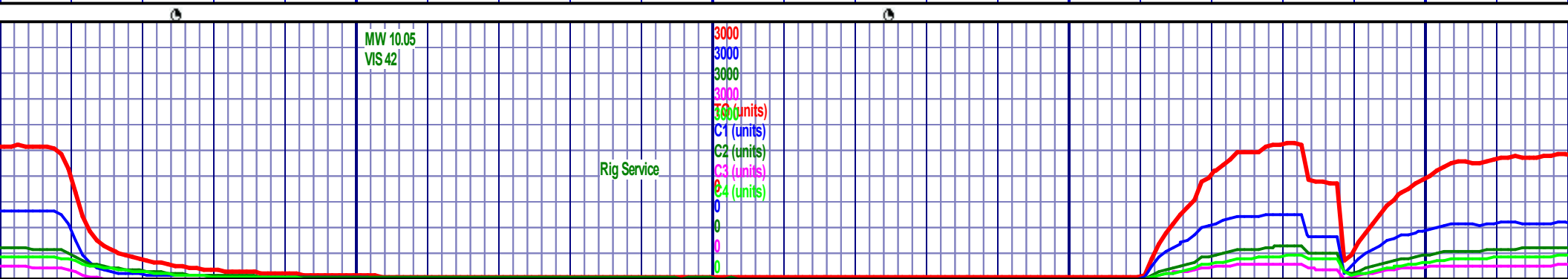
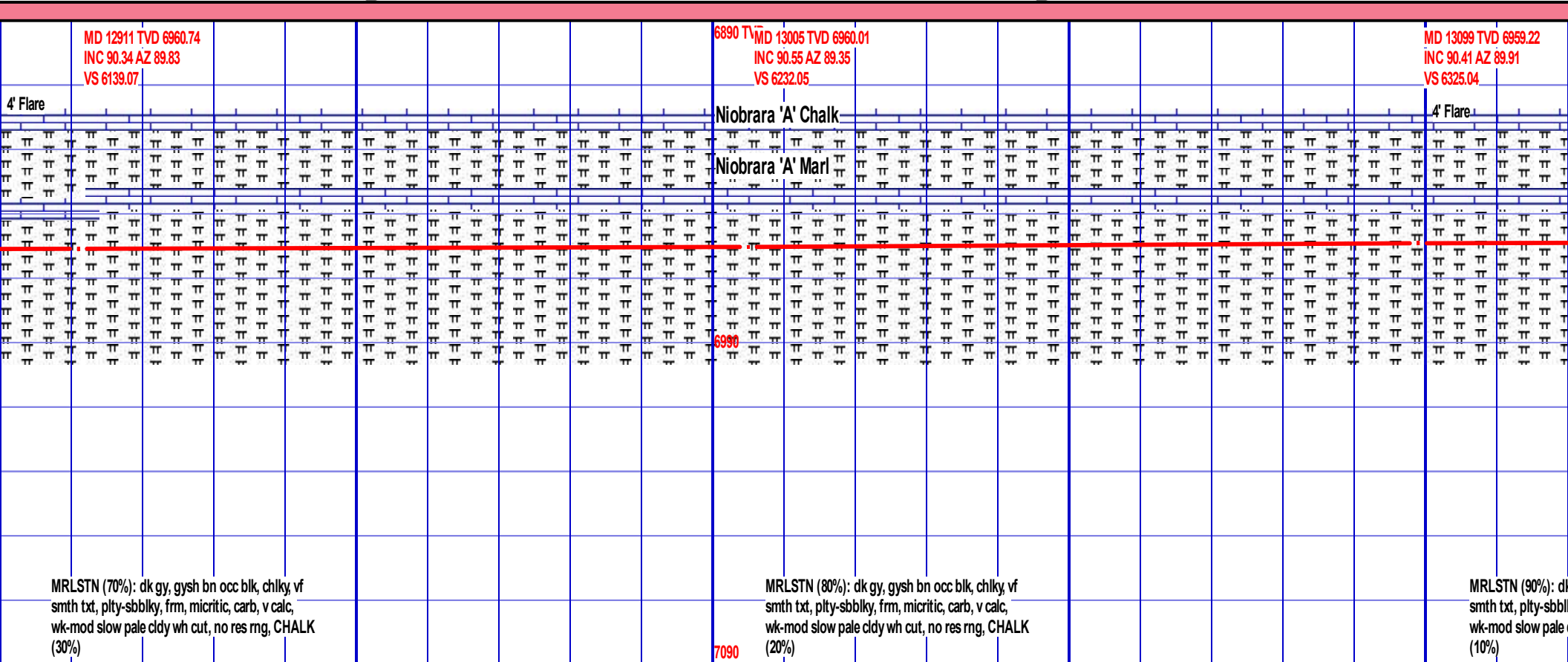


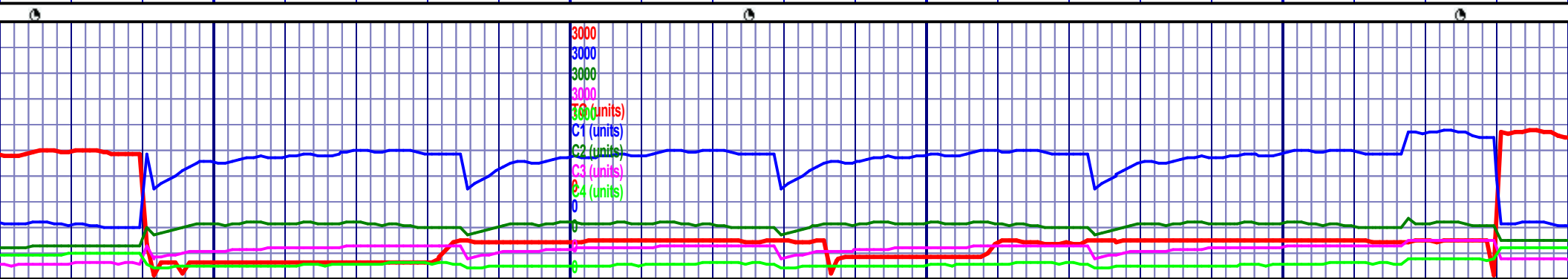
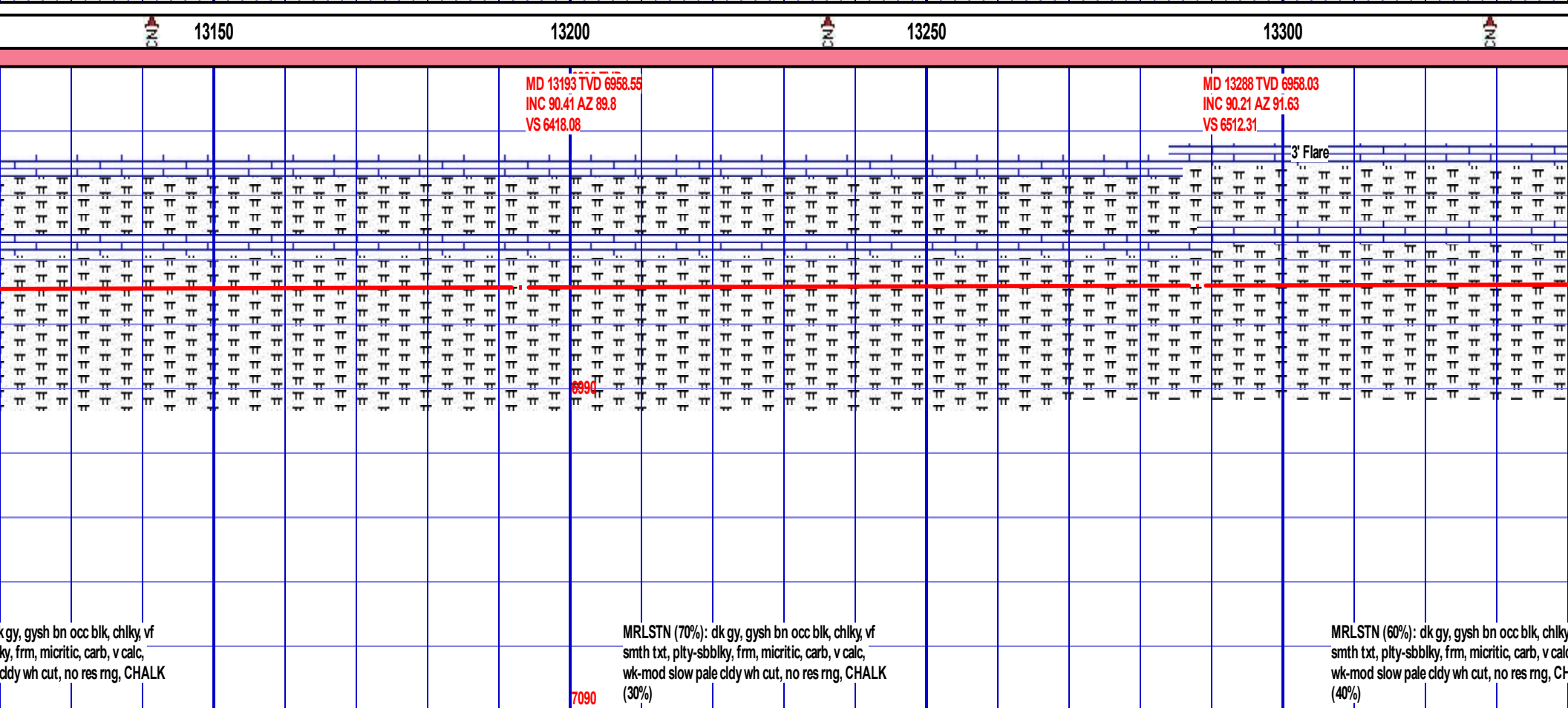
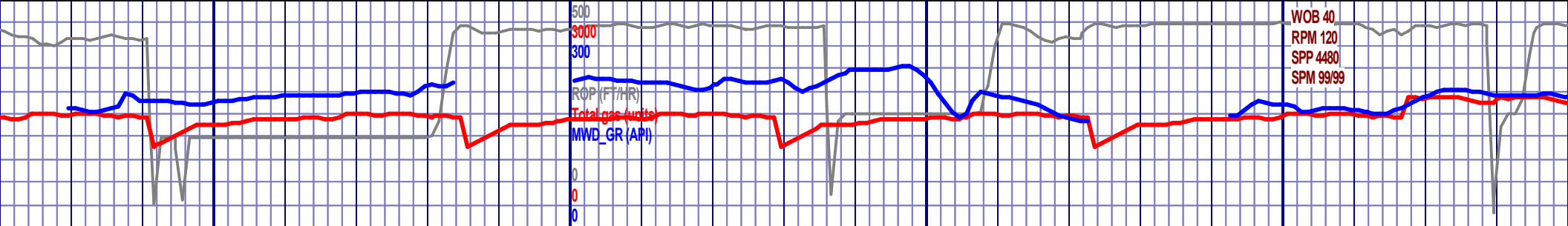


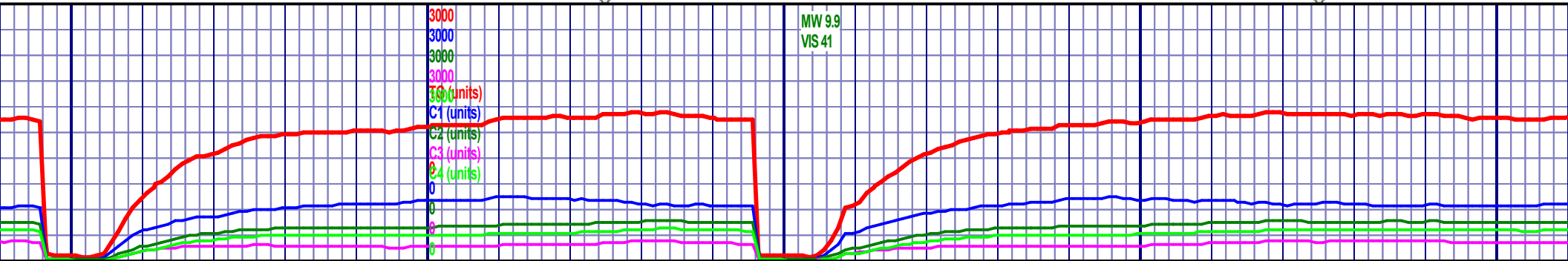
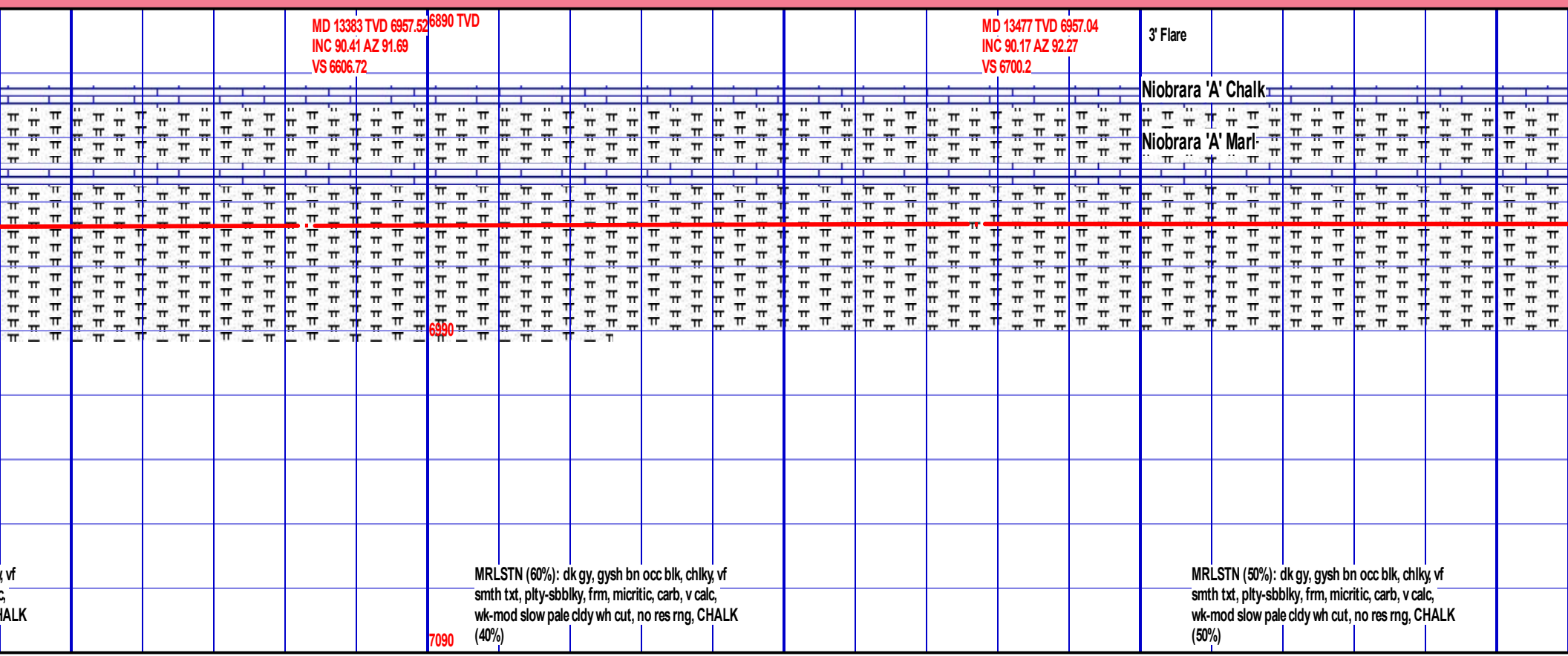
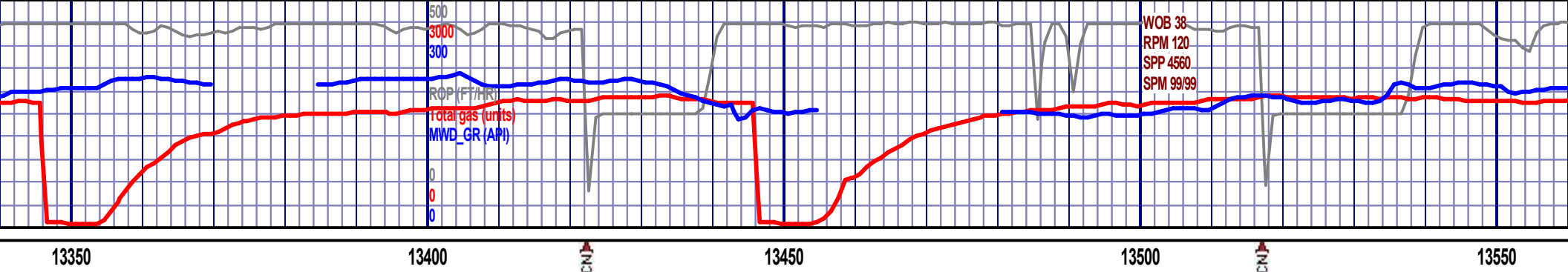


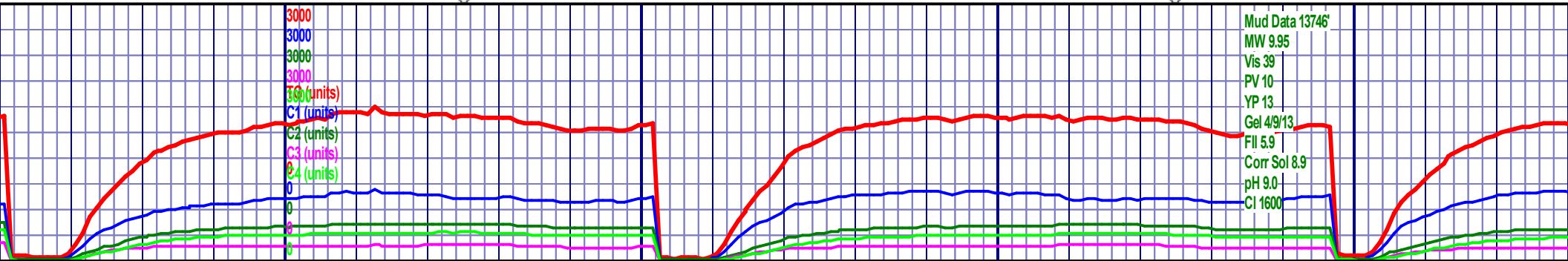
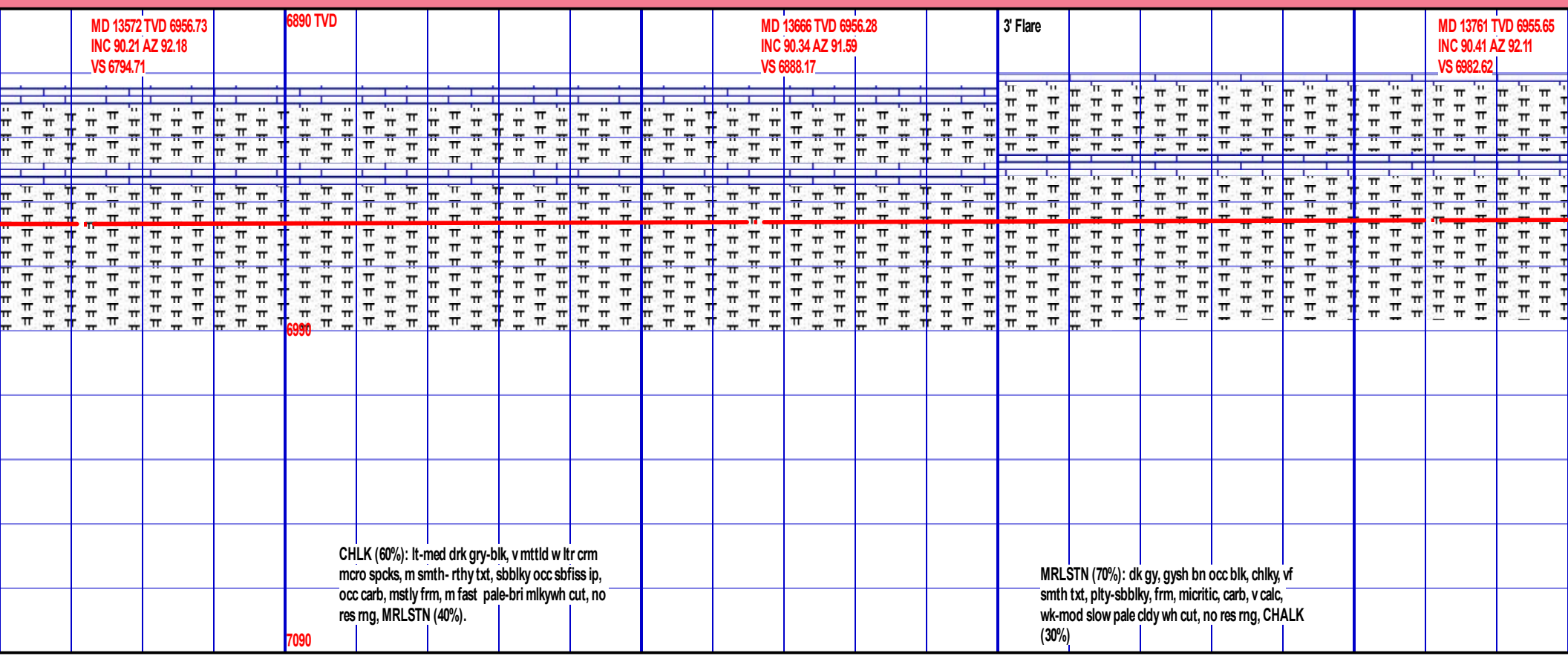
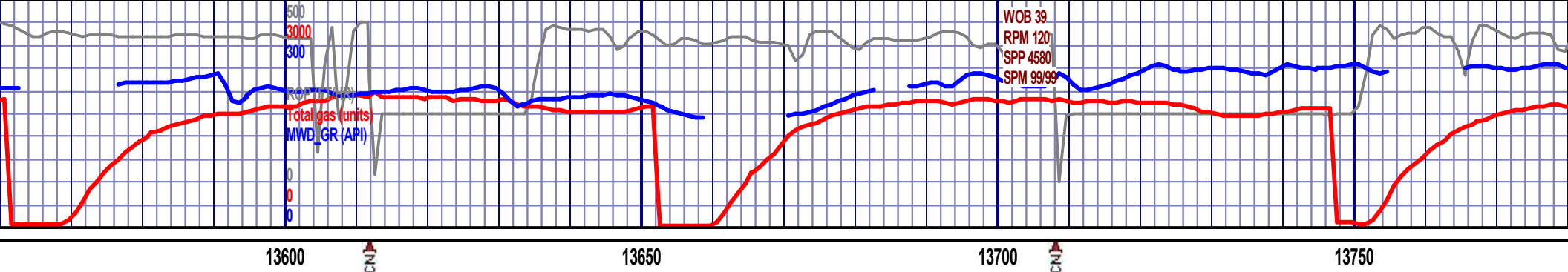


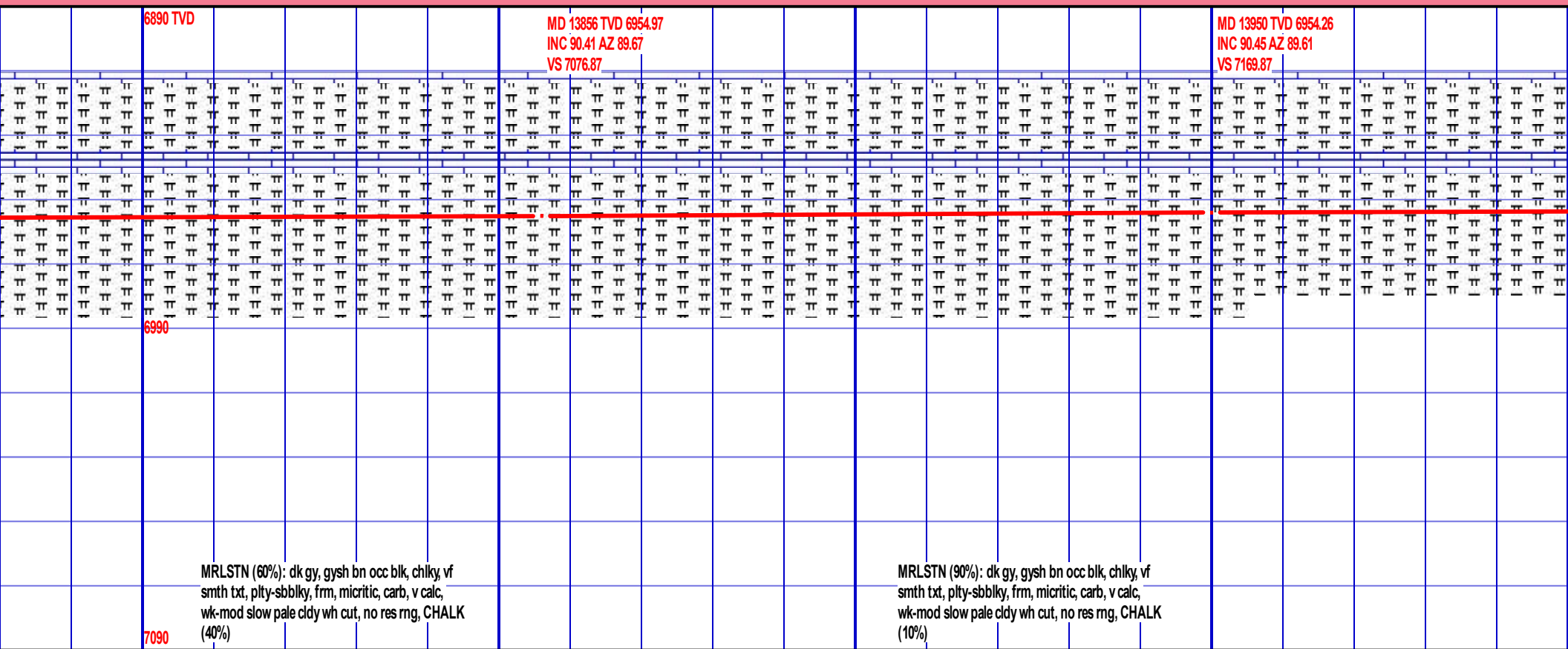
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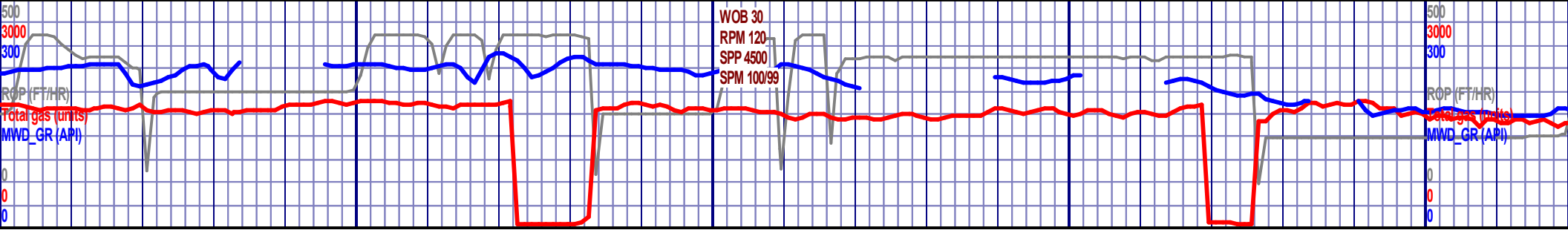












14050 14100 14150 14200

