

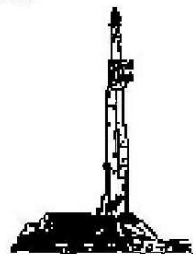
GOOLSBY BROTHERS
and associates, inc.

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: Bost Farm 40C-8-L
API: 051234769500
Location: Section 7, T5N, R66W, Weld County, CO.
License Number:
Spud Date: January 3rd, 2019
Surface Coordinates: SWNW T5N, R66W Sec 7, 1517' FNL & 939' FWL
LAT 40.417372 LONG -104.829015
Bottom Hole Coordinates: SENE T5N, R66W Sec. 8, 2573' FNL & 394' FEL
Ground Elevation (ft): 4,881'
Logged Interval (ft): 6,950' To: 17,820'
Formation: Pierre Shales/Sands, Sharon Springs, Niobrara, Ft. Hays, Codell (Target)
Type of Drilling Fluid: FW Surface, OBM Curve & Lateral

Region: Wattenberg
Drilling Completed: January 7th, 2019

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

OPERATOR

Company: SRC Energy Inc.
Address: 1675 Broadway, Suite 2600
Denver, Colorado 80202
(720) 616-4300

GEOLOGIST

Name: Larry Goolsby & Brian Spitzmiller
Company: Goolsby Brothers & Assoc. (GBA), Inc. (www.goolsbybrothers.com)
Address: 575 Union Blvd. Suite 208,
Lakewood CO. 80228
Tel 303-618-7736

Logs

PULSE MWD GR from 1,841' - 17,794' MD

Casing

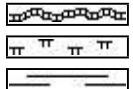
9 5/8" Surface Casing set @ 1,830' MD

5 1/2" Production Casing set @ 17,805' MD

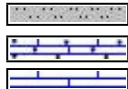
Comments

- 1) Drilling Contractor: Precision Drilling, Rig #462
Toolpusher: Cody Teeter, Joseph Credeur
- 2) Company Man: Steve Wilson, Buddy Davis
Lovell Young, John Myers
- 3) Mud Company : Anchor USA
Engineer: Tim Pattison, James Eckhardt
- 4) Directional Drilling: Baker Hughes Directional
Rotary Steerable BHA
Drillers: Dustin Tissaw, Wes Rood
- 5) Gas Equipment: Pason Gas Analyzer (Spectrometer)
- 6) SRC Geologist: Tony Williams

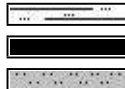
ROCK TYPES



Bent
Mrlst
Shale



Slst
Carb chalk
Chalk



Slty sh
Coal
Slst



Arg_ss
Ss
Carb sh



Ls
Slty sh

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Breclfrag
 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

POROSITY TYPE

Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint
 Vuggy

SORTING

Well
 Moderate
 Poor

ROUNDING

Rounded
 Subrnd
 Subang

Angular

OIL SHOWS

Even
 Spotted
 Ques
 Dead
 Vspotty
 near even

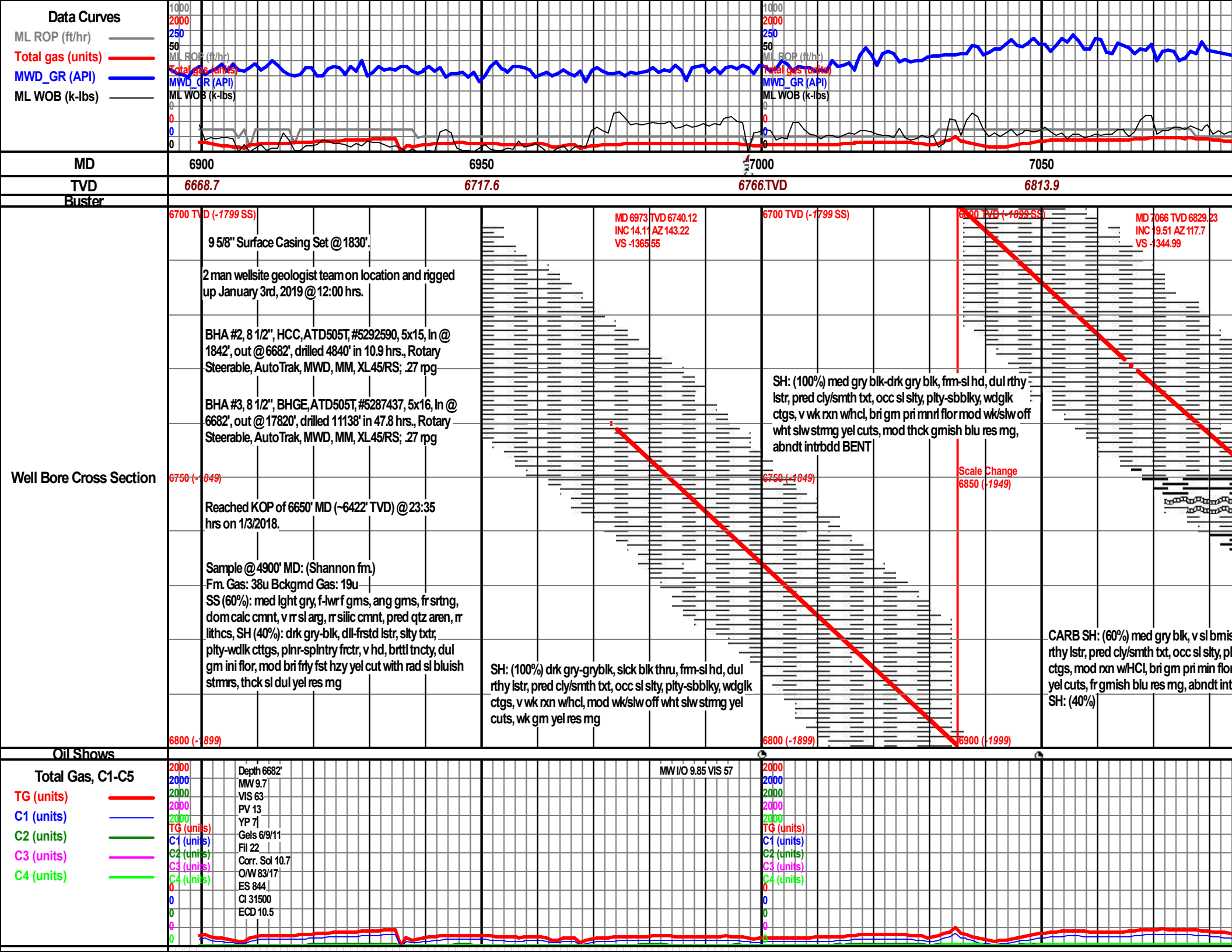
INTERVALS

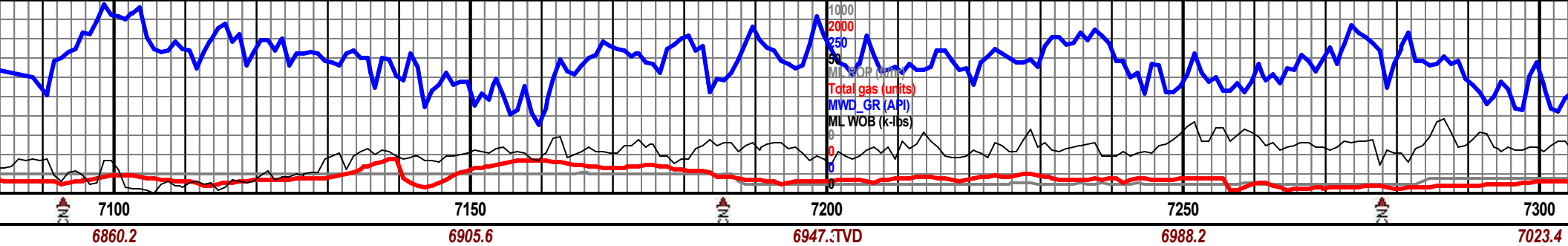
Core
 Dst

EVENTS

Casing shoe_hzl
 Trip_point_1
 Off bottom
 conn

Survey(mwd)
 Survey(red)
 bit





CARB SH: (80%) lt-med gryish blk, frm, dul rthy lstr, pred cly/smth txt, v rr sl slty, plty-wdgk ctgs, stmg rxn w/HCl, no pri flor, sl dul lt bluish strmg cuts, mod thck gmish blu res mg
SH: (20%)

6900 TVD (-1999 SS)
MD 7159 TVD 6913.82
NC 29.3 AZ 116.6
VS -1310.84

Niobrara A Chalk Base @
7,162' MD (6,919' TVD)

6900 TVD (-1999 SS)

CHLK: (80%) lt gryish blk-med gryish blk, occ sl bmish ip, sbbiky-sbtbl, rthy-dull lstr, r mttld ip, frm, MRLSTN: (20%) drk gry-blk, sbbiky-sbply, slty-grtt txt, frm, mod fst gm sl blu cuts w/ gd thck stmr, thck gmish yel res mg

MD 7251 TVD 6989
INC 40.96 AZ 106.68
VS -1261.65

7000 TVD (-2099 SS)

On Gas Buster

Sharon Springs @ 7,095'
MD (6,856' TVD)

Scale Change
6950 (-2049)

CARB CHLK: (70%) lt gryish blk-med gryish blk, sbbiky-sbtbl, mod arg, rthy-dull lstr, r mttld ip, frm, MRLSTN: (30%) drk gry-blk, sbbiky-sbply, v carb, slty txt, frm, dim pale gm ini fluor, mod fst bluish sl gm cuts w/ gd thck stmr, brt gmish yel res mg

Niobrara A Chalk @ 7,143'
MD (6,900' TVD)

6950 (-2049)

CHLK: (70%) lt gryish blk-med gryish blk, occ sl bmish ip, sbbiky, dull lstr, mttld thru, mod frm, MRLSTN: (30%) drk gry-blk, sbbiky-sbply, slty-grtt txt, frm, mod fst lt blu sl gm cuts w/ thn stmr, brt gmish yel res mg

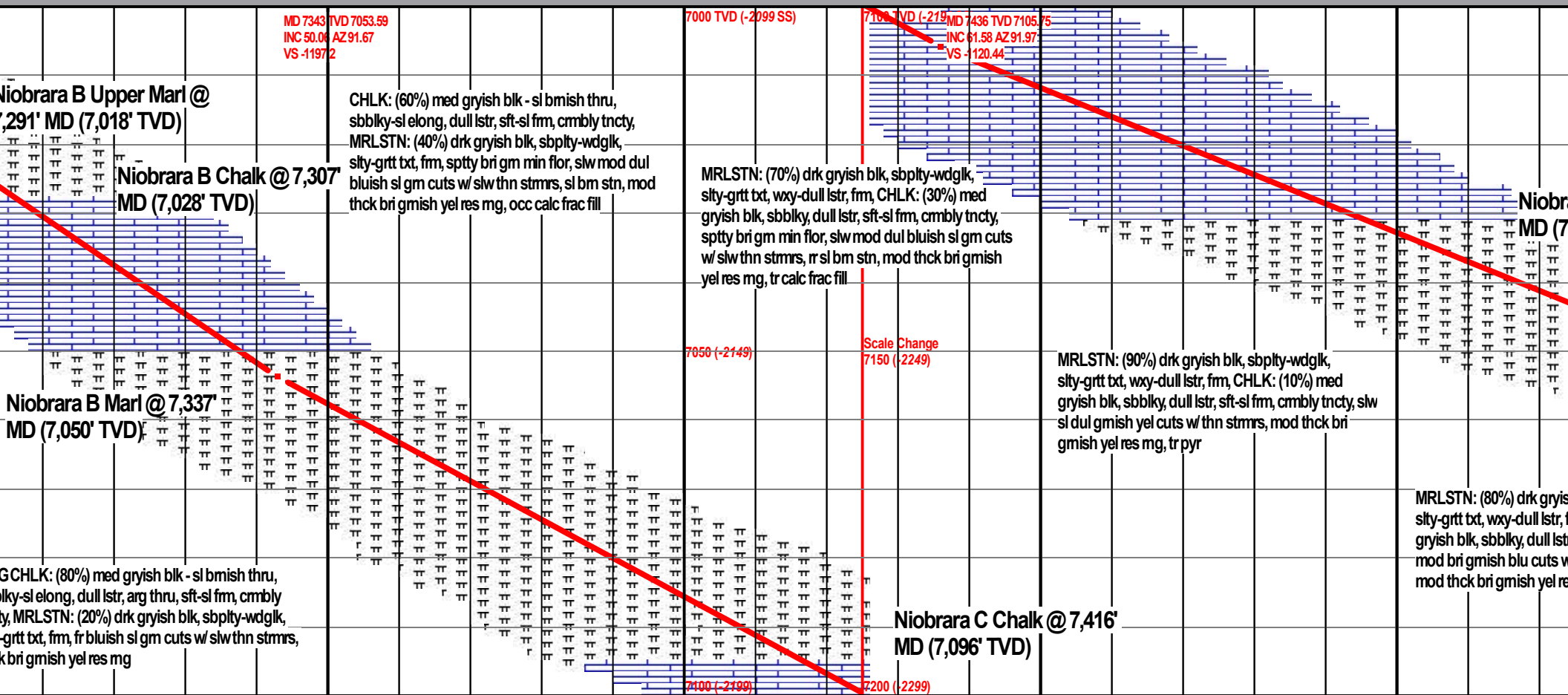
7000 (-2099)

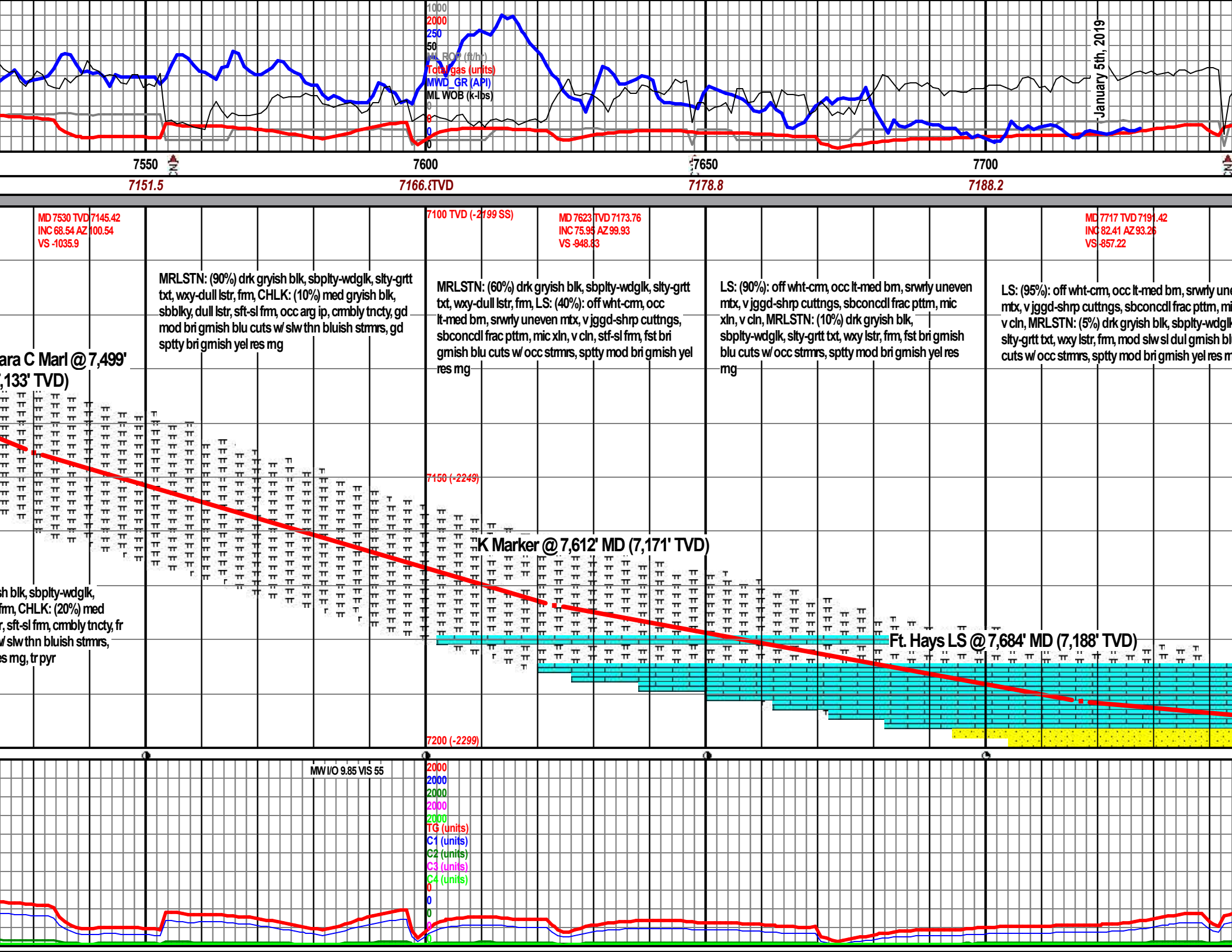
7100 (-2199)

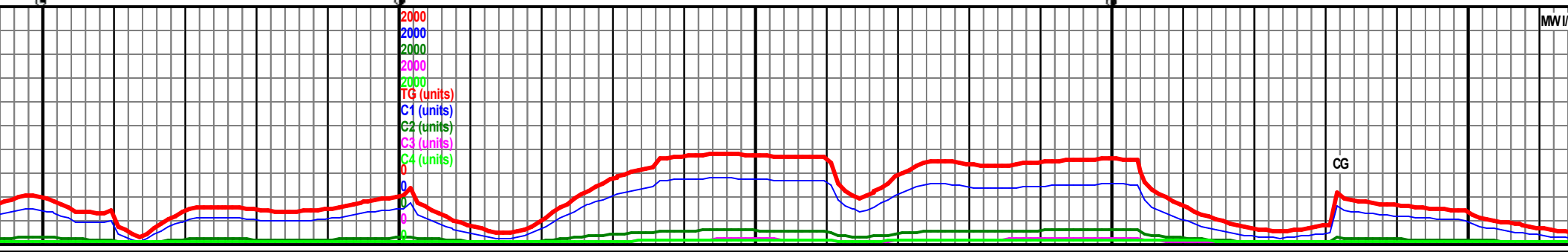
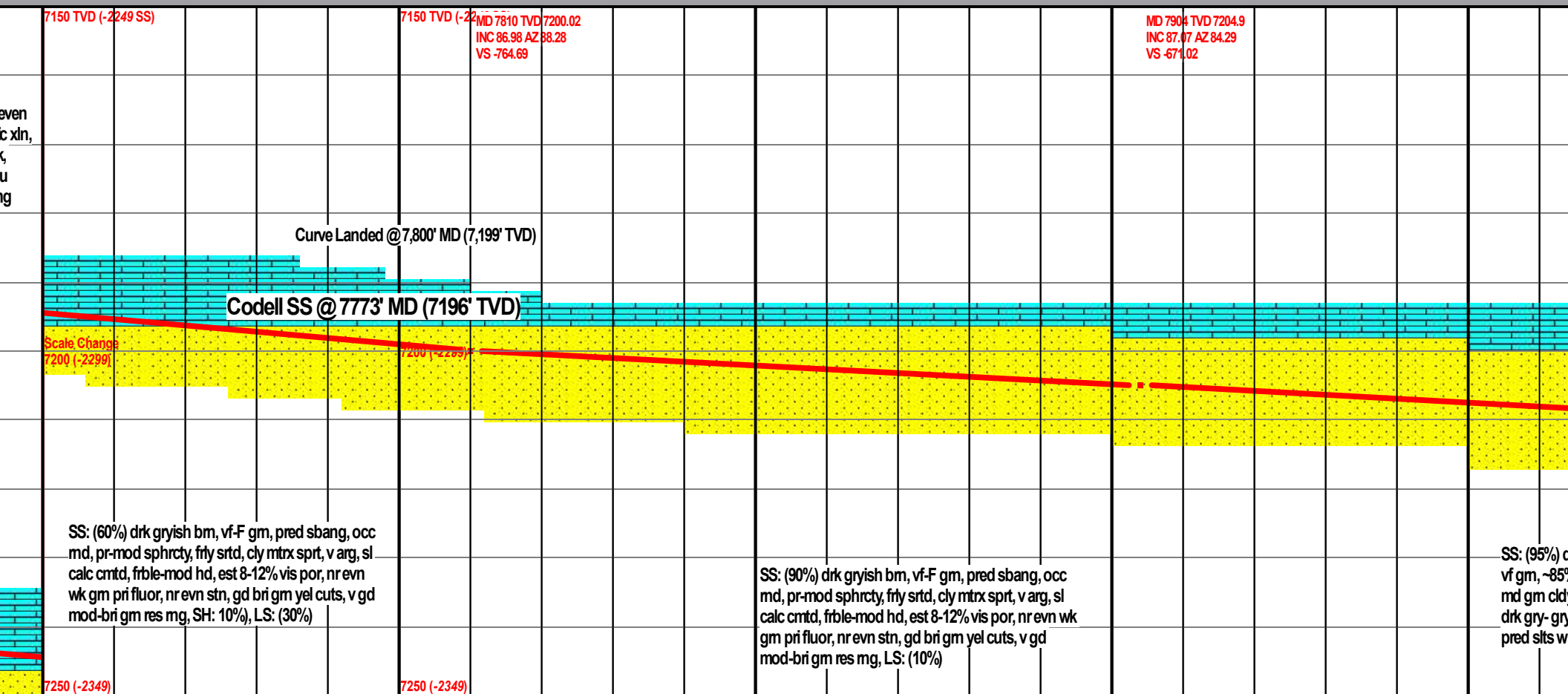
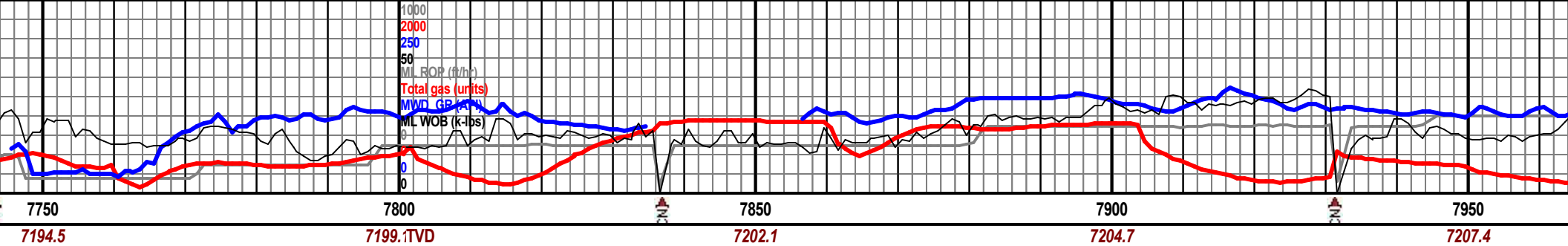
Depth 7096'
MW 9.8
VIS 56
PV 15
YP 7
Gels 7/12/14
FI 14
Corr. Sol 11.1
O/W 81.4/18.6
ES 855
CI 35000
ECD 10.5

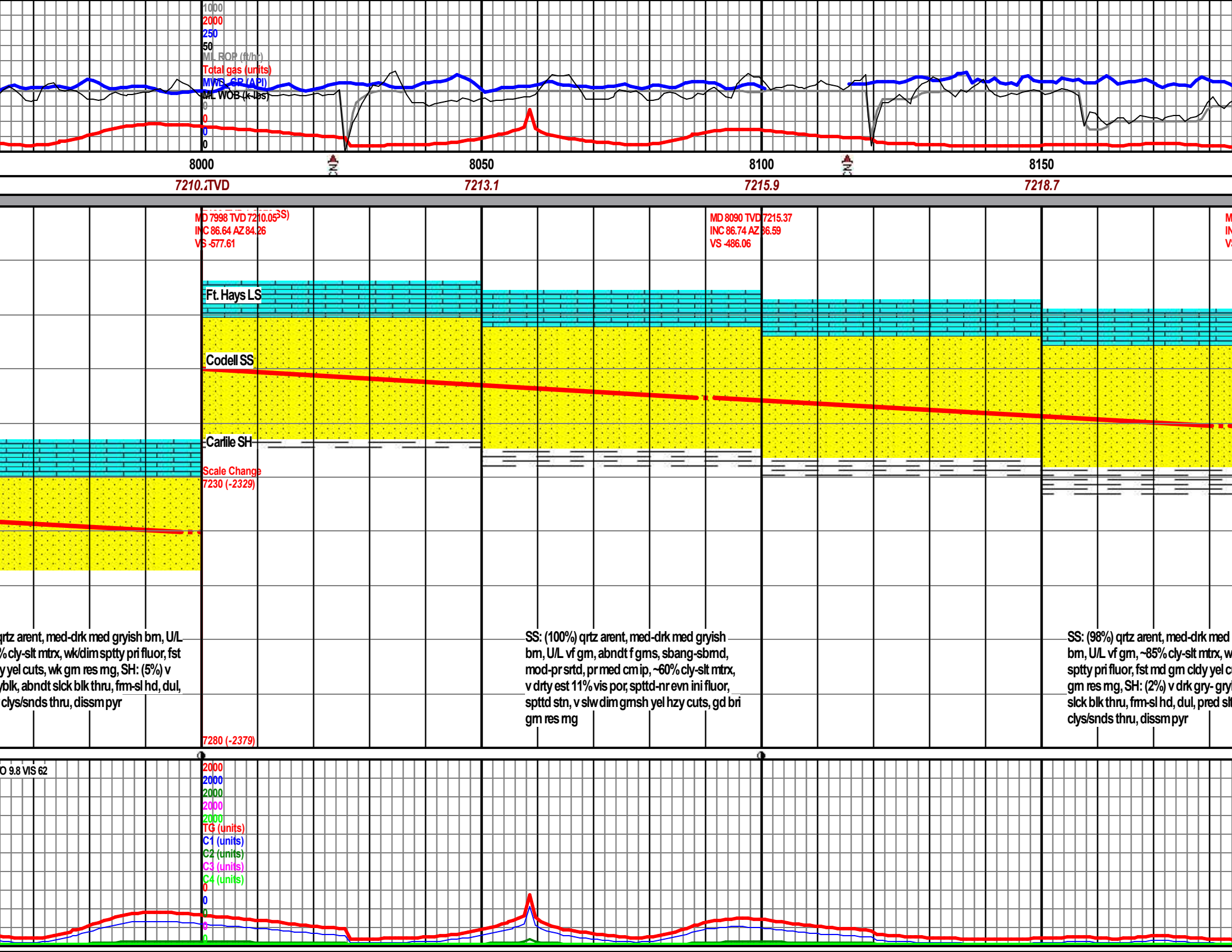
2000
2000
2000
2000
2000
2000
TG (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)

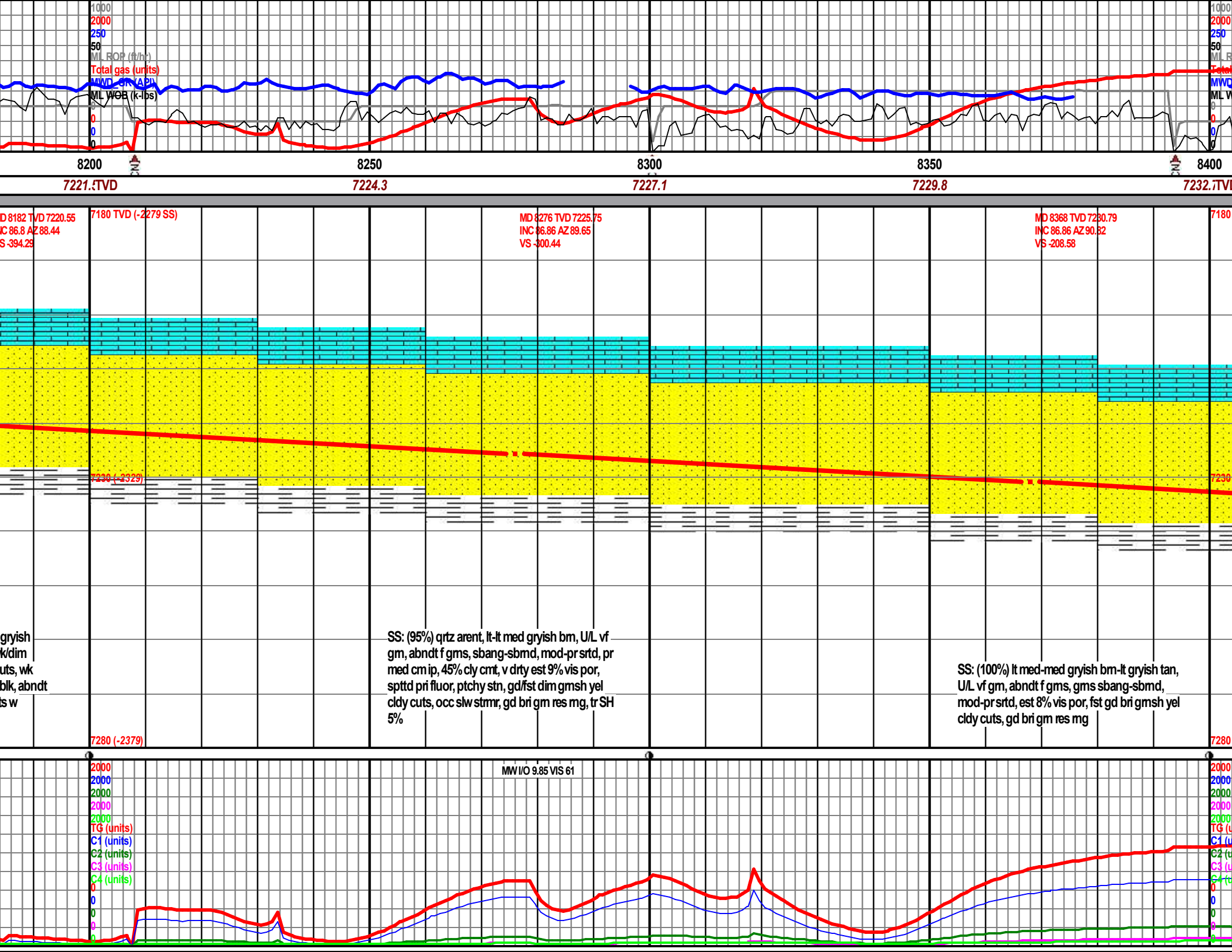
MW I/O 9.85 VIS 55

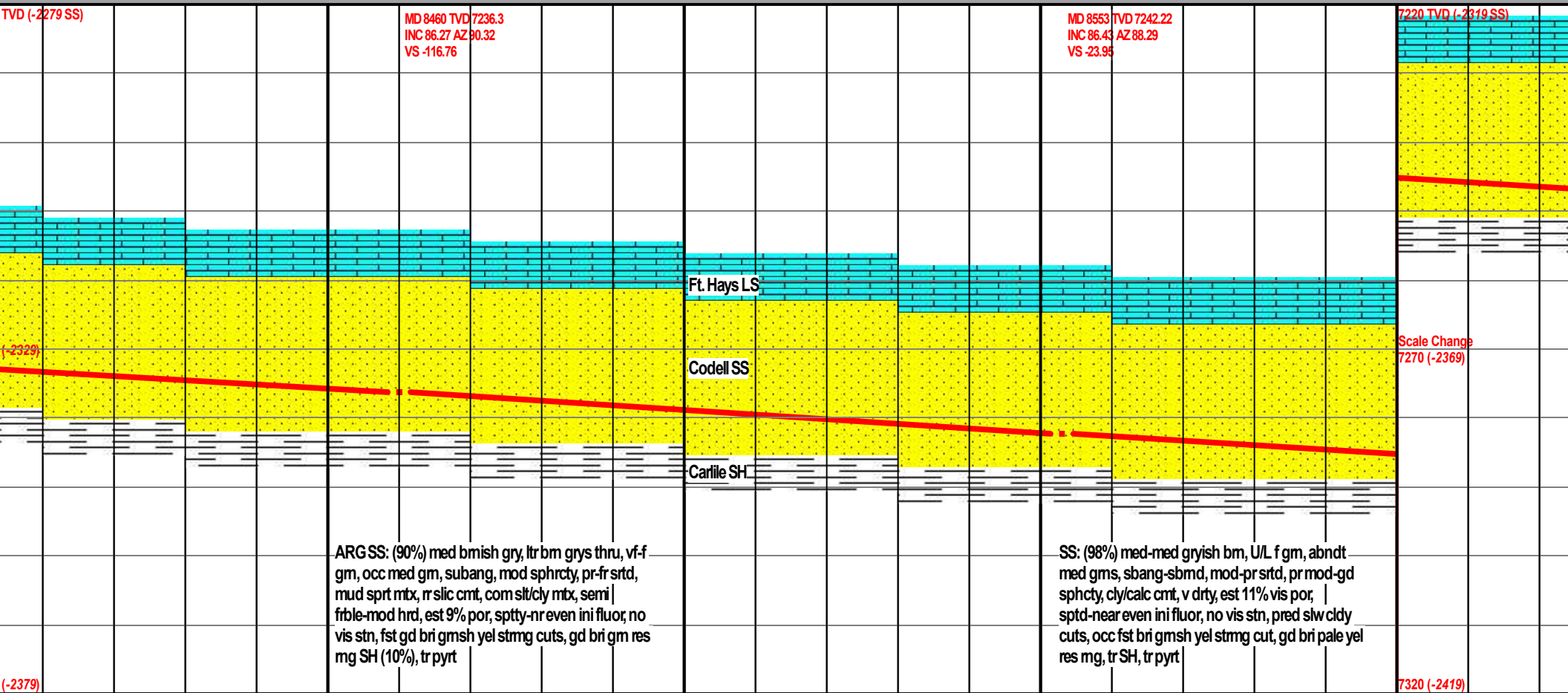


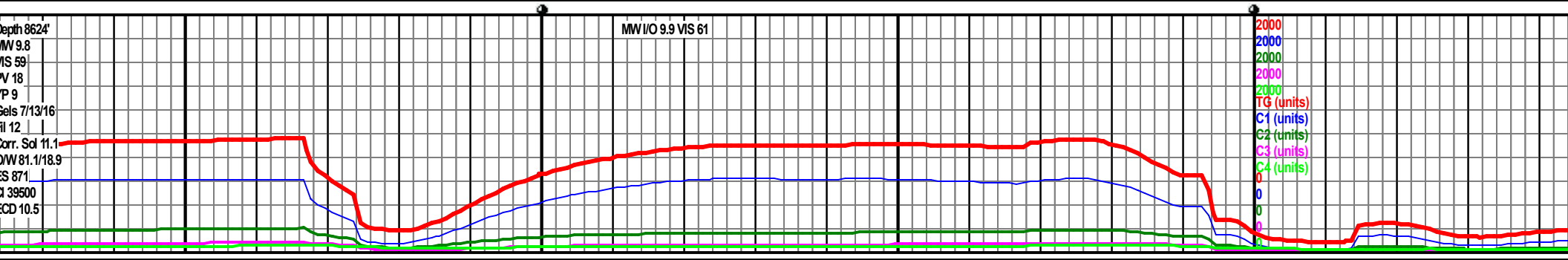
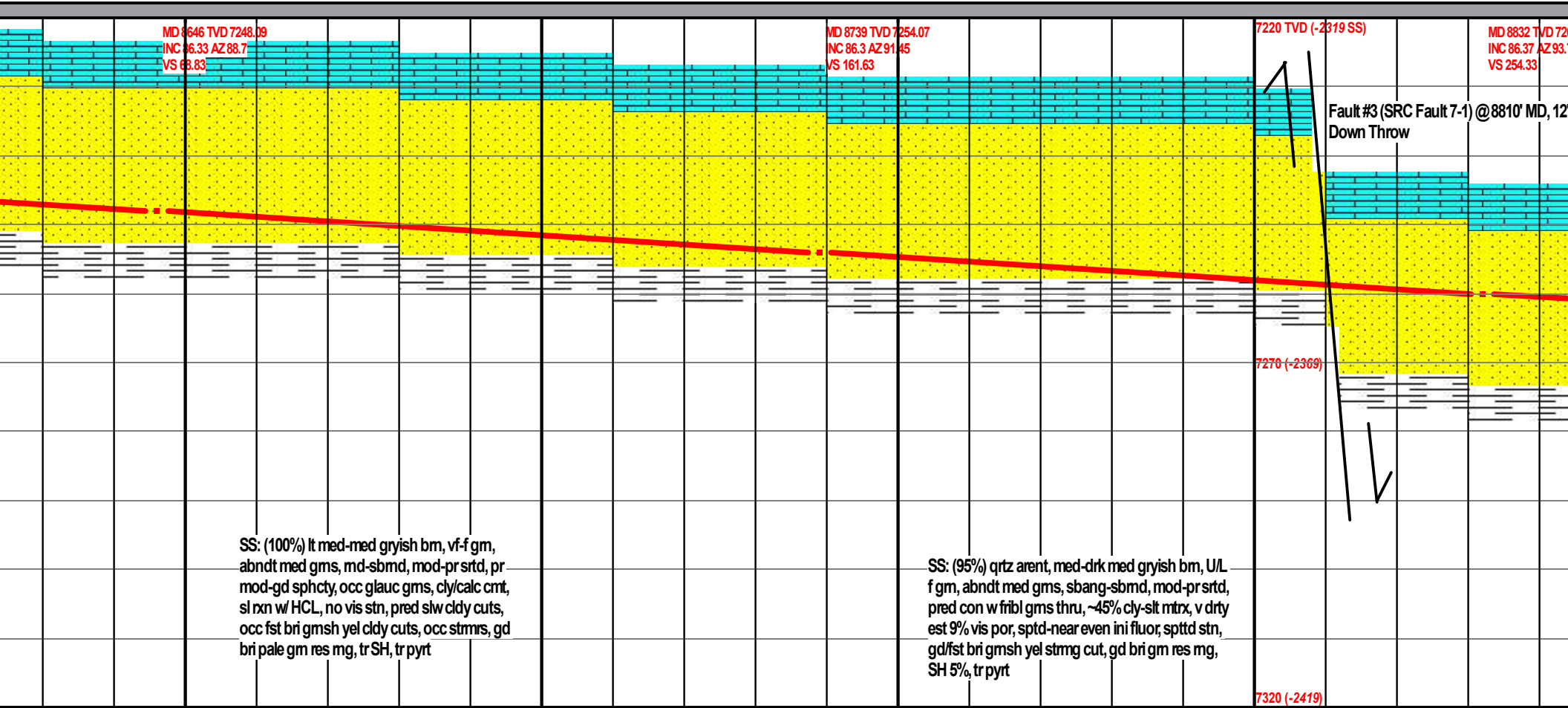
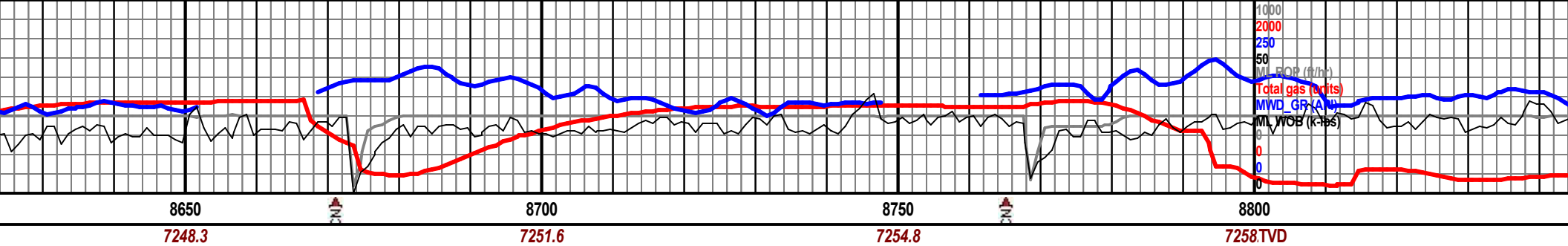


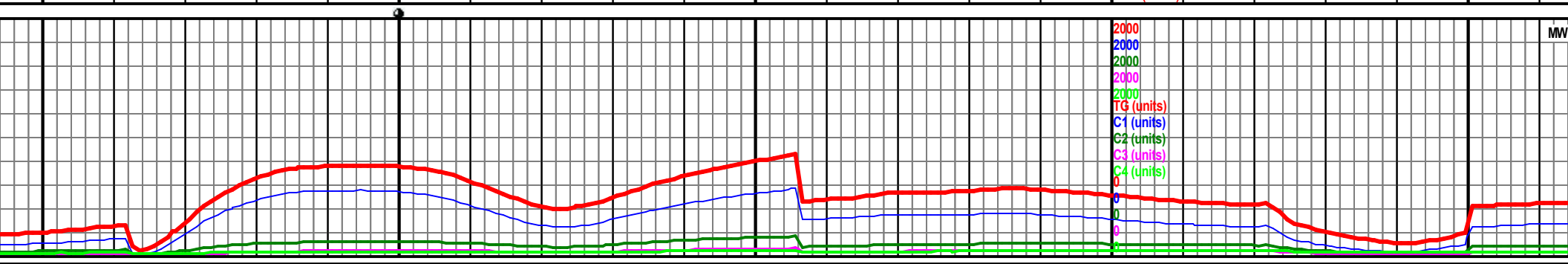
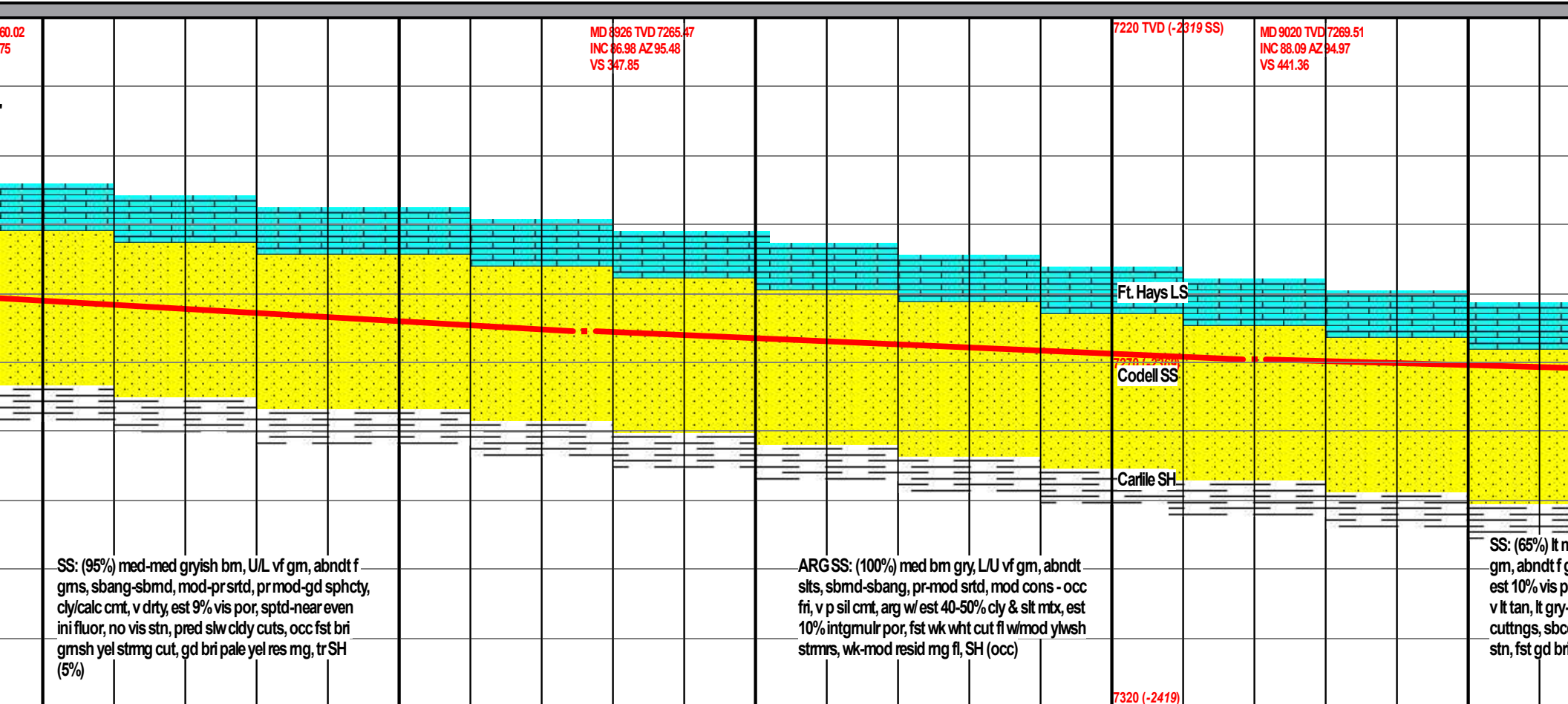
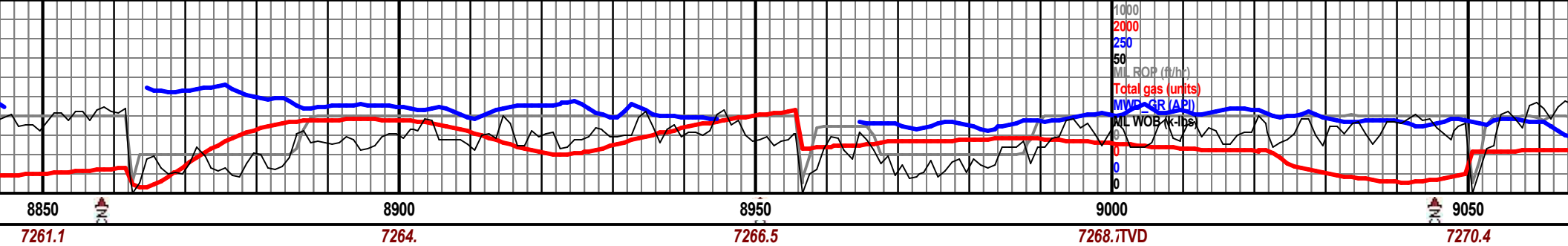


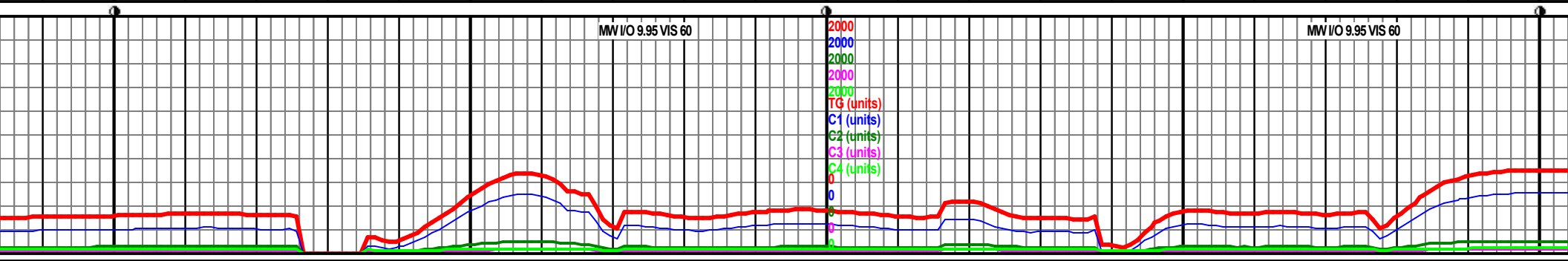
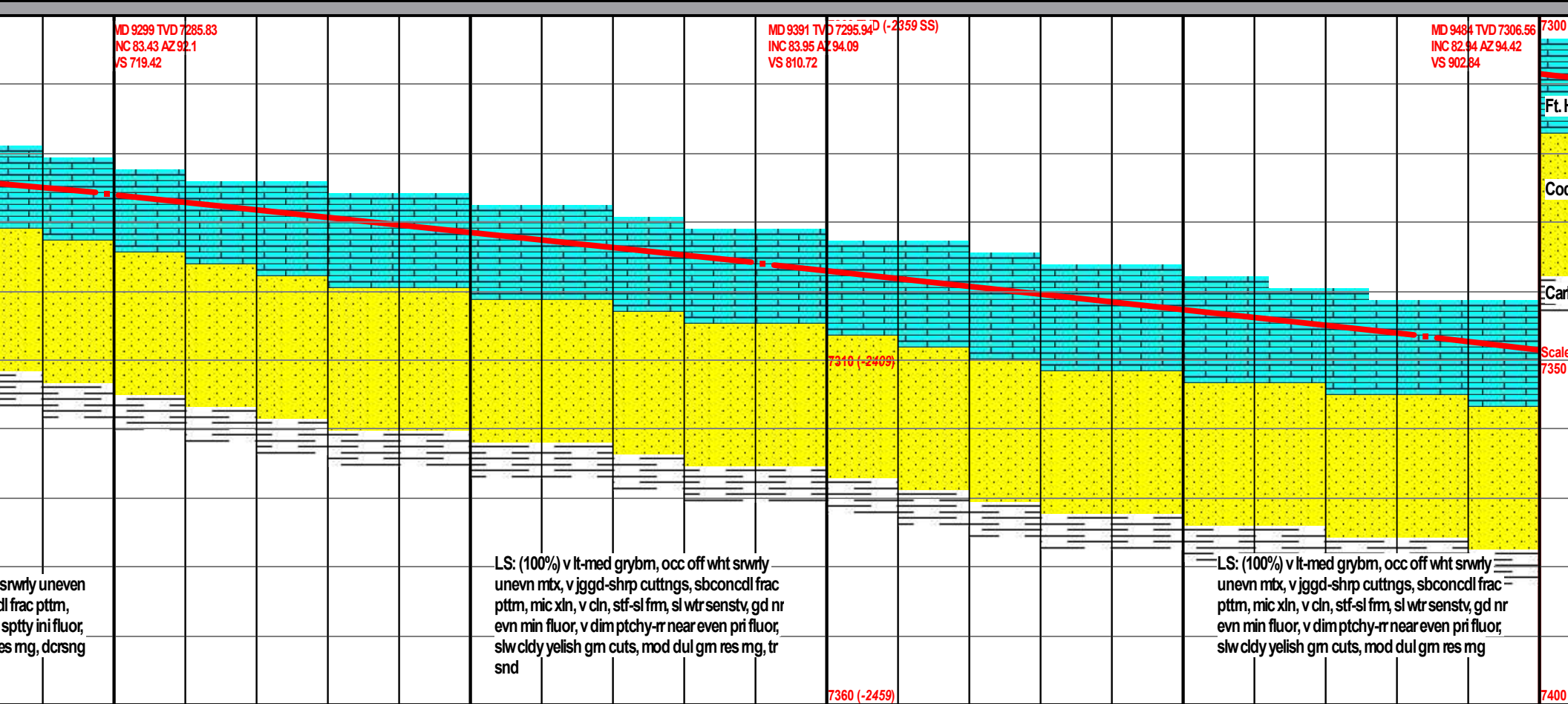
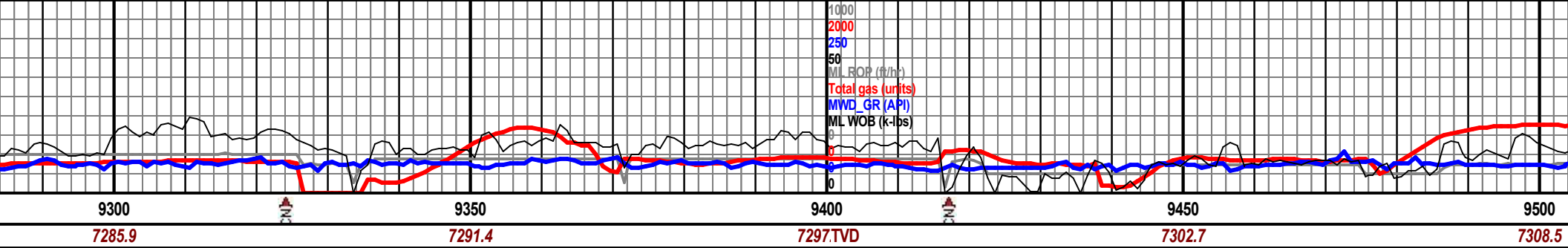


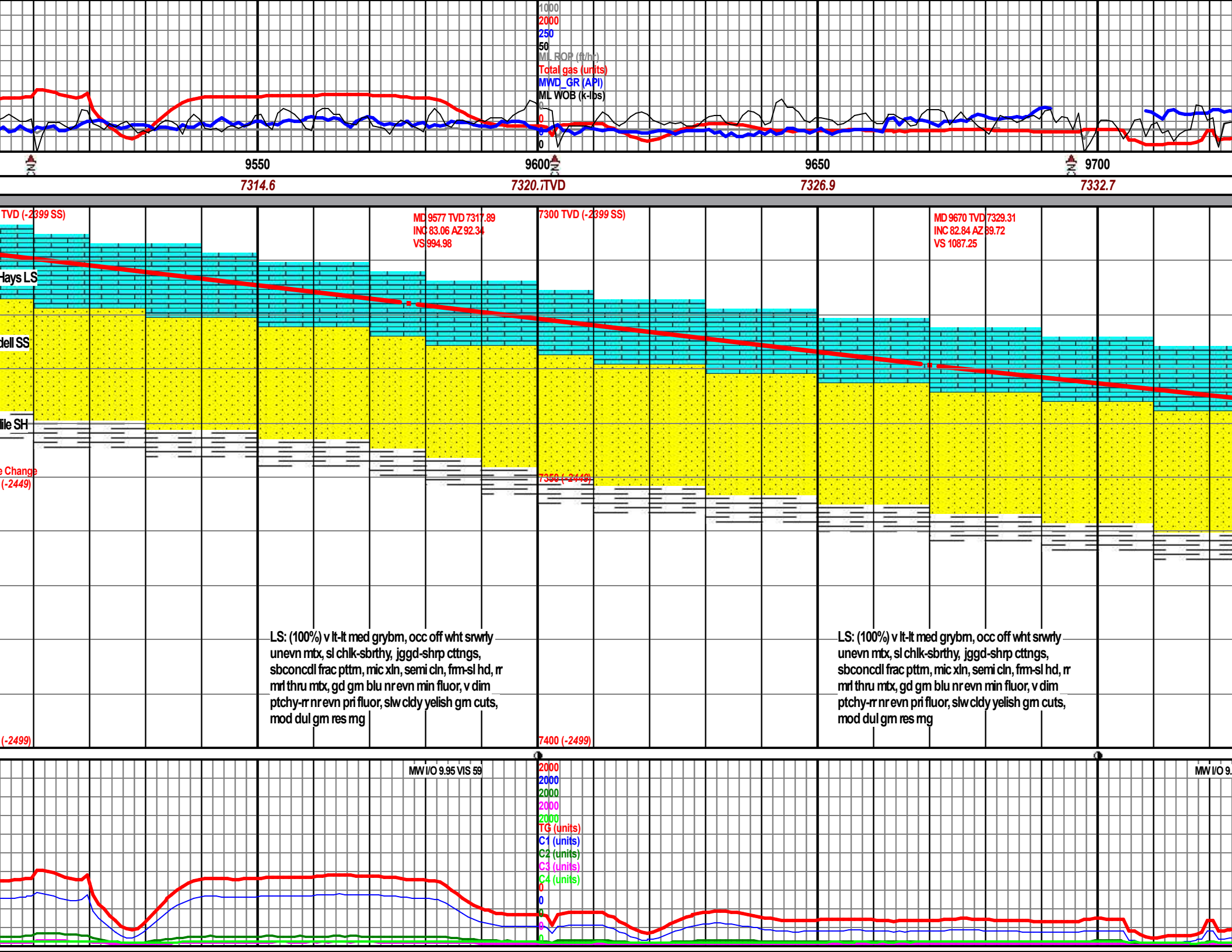


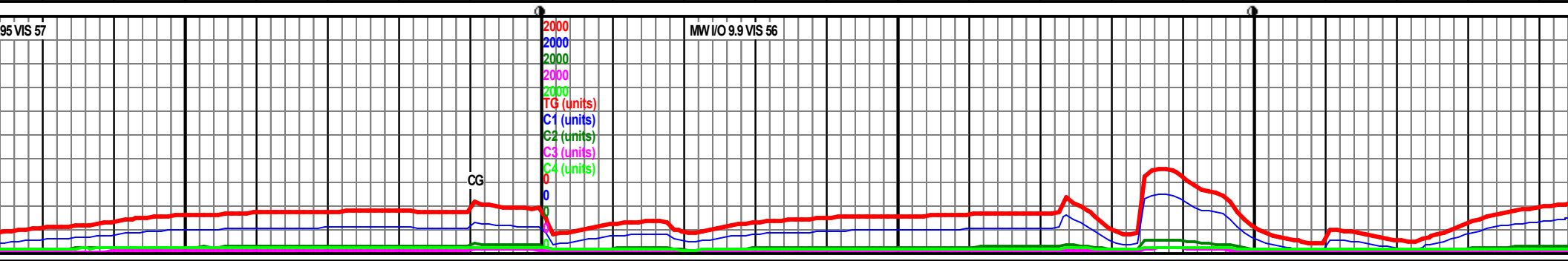
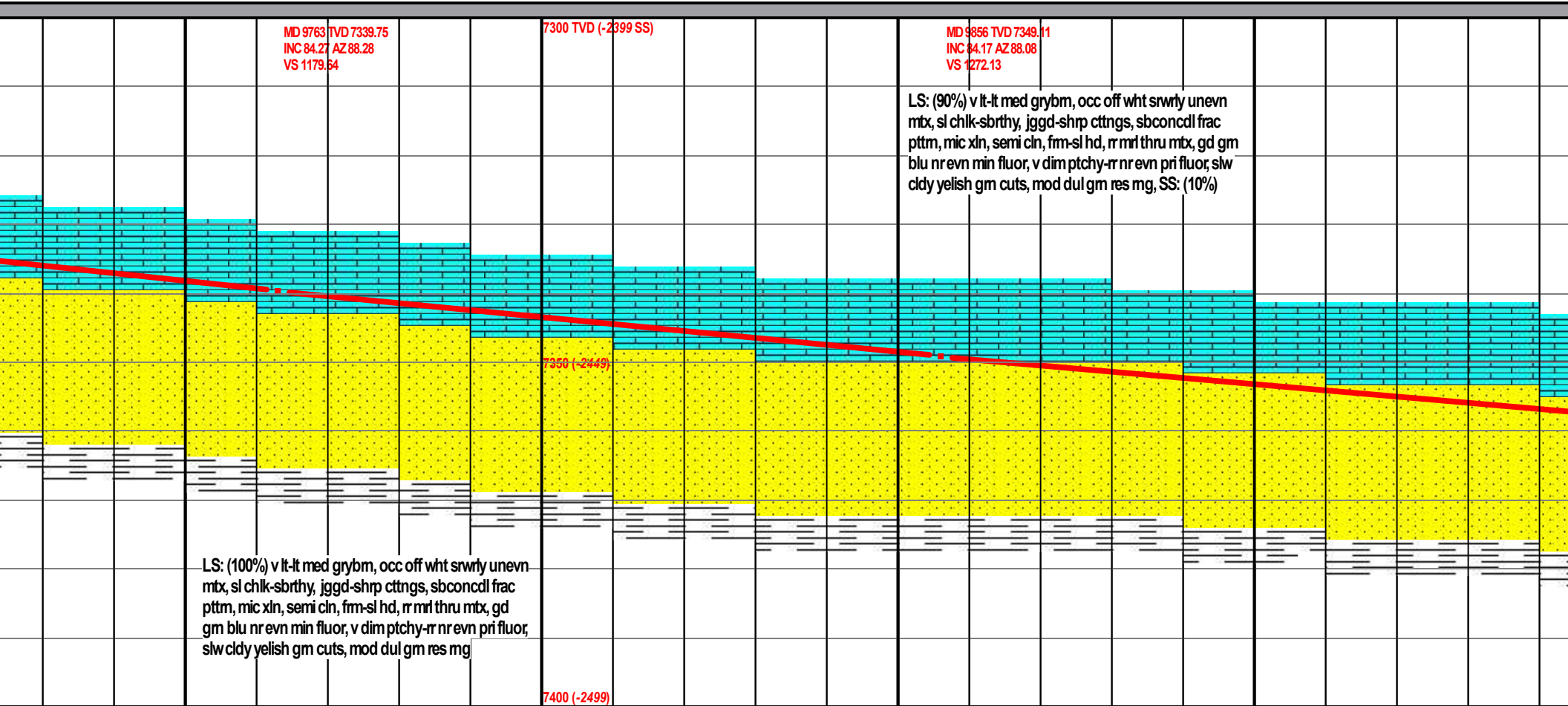
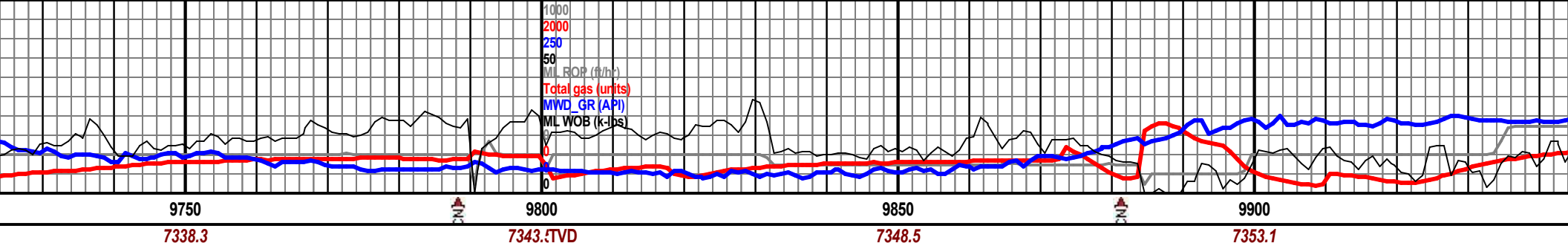


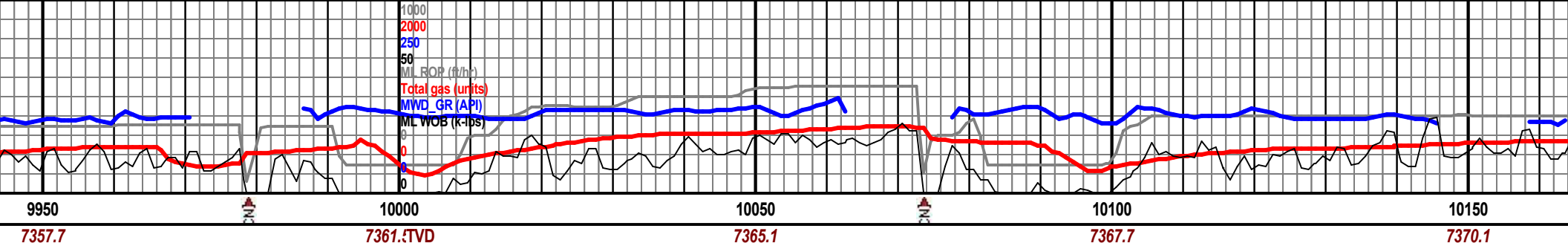












MD 9950 TVD 7357.7
INC 85.35 AZ 88.69
VS 1365.7

SS: (80%) med-med gryish bm, U/L vf gm, abndt f gms, sbang-sbmd, mod-pr srted, pr mod-gd sphcty, cly/calc cmt, v drty, est 9% vis por, sptd-near even ini fluor, no vis stn, pred slw cldy cuts, occ fst bri gmsh yel strmg cut, gd bri pale yel res mg, LS: (20%)

7300 TVD (-2399 SS)

MD 10043 TVD 7364.76
INC 85.94 AZ 90.52
VS 1458.43

SS: (100%) med-med gryish bm, U/L vf gm, abndt f gms, sbang-sbmd, mod-pr srted, pr mod-gd sphcty, cly/calc cmt, v drty, est 9% vis por, sptd-near even ini fluor, no vis stn, pred slw cldy cuts, occ fst bri gmsh yel strmg cut, gd bri pale yel res mg, tr LS

MD 10135 TVD 7369.57
INC 88.06 AZ 92
VS 1550.27

7350 TVD (-2449 SS)

7350 (-2449)

Ft. Hays LS

Codell SS

Carlile SH

7400 (-2499)

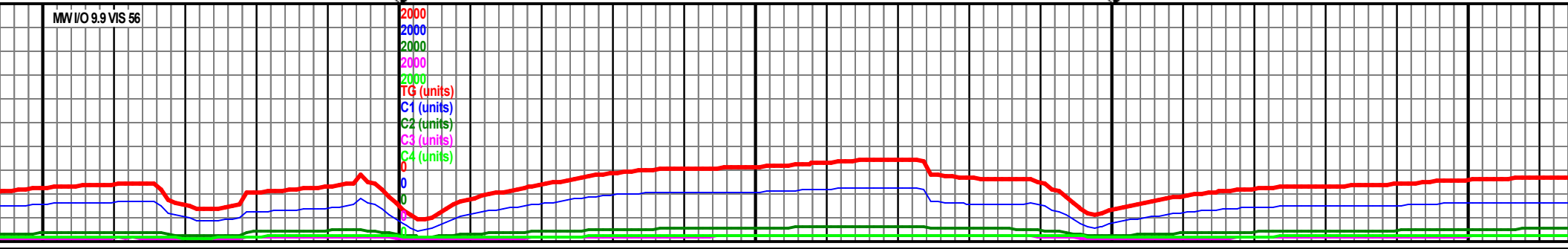
Scale Change
7400 (-2499)

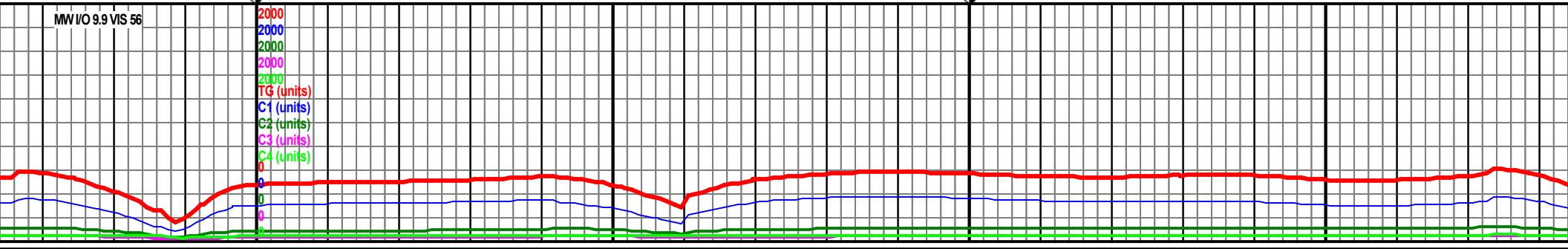
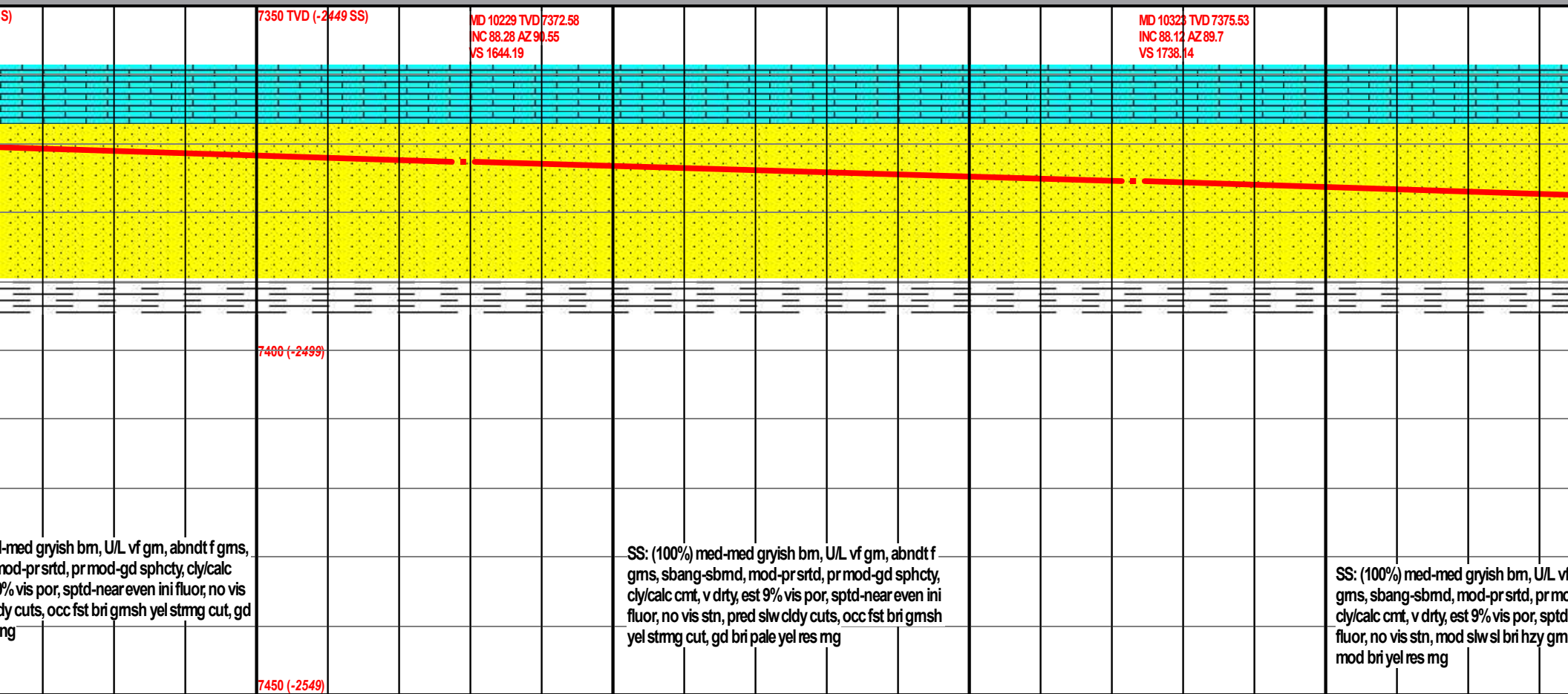
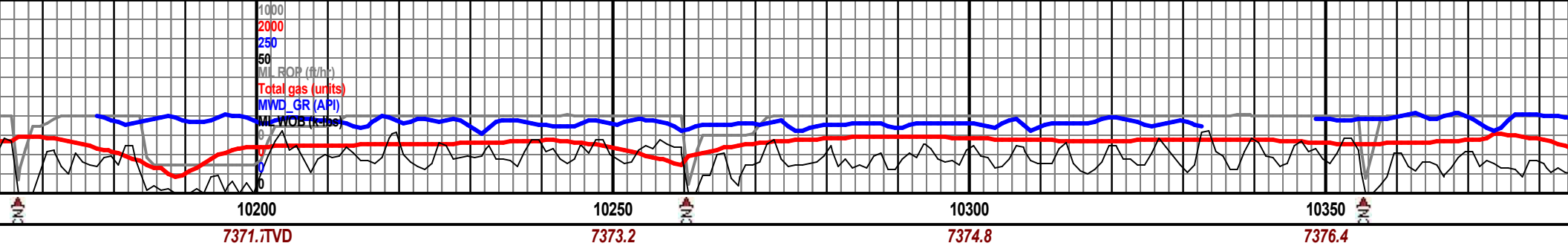
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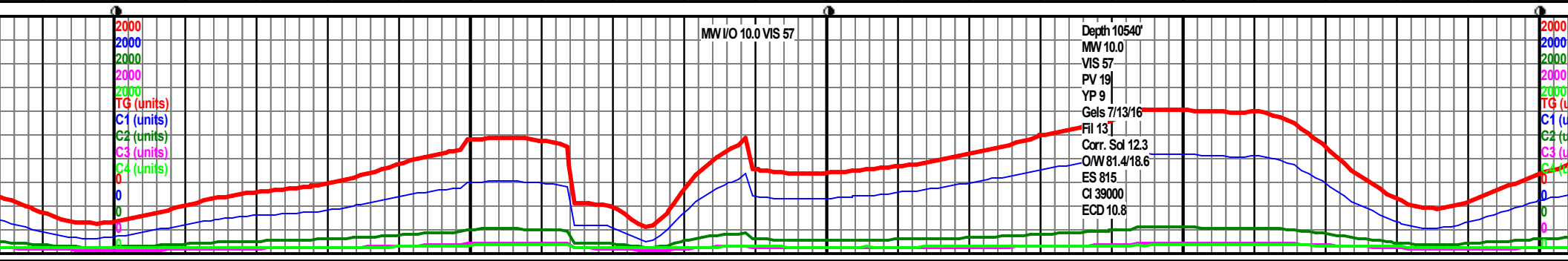
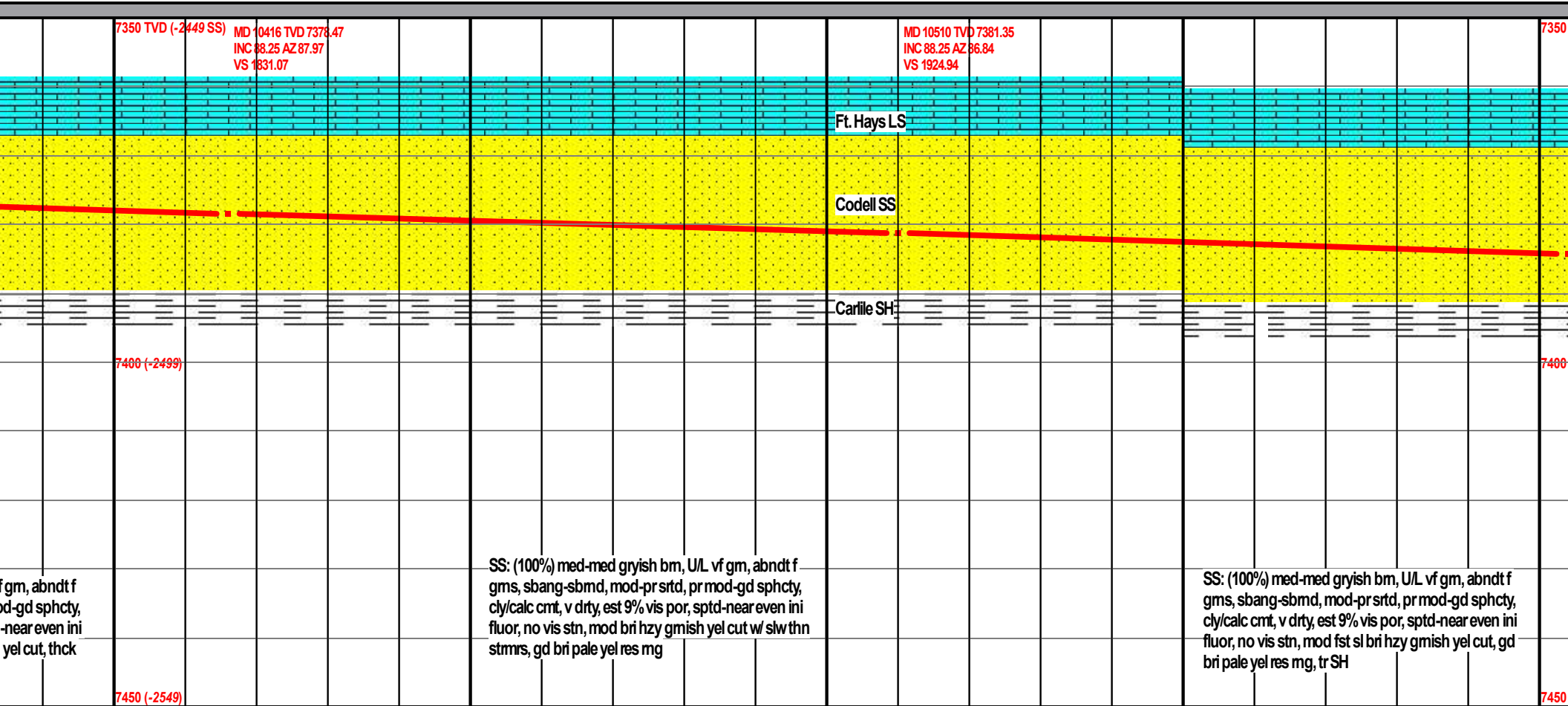
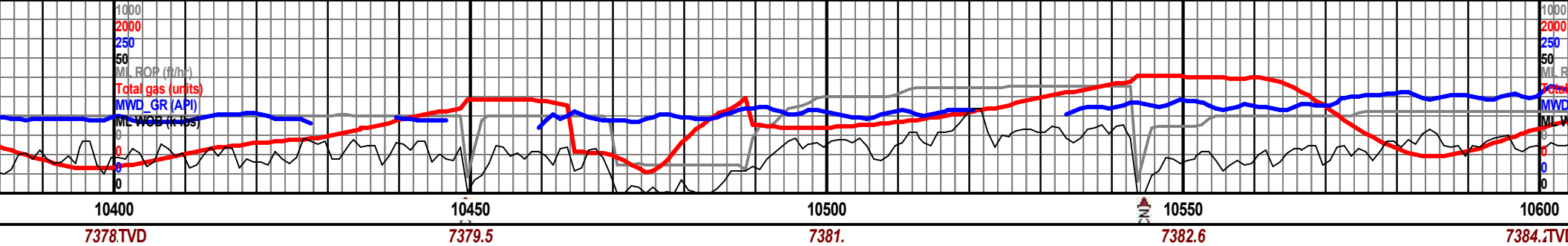
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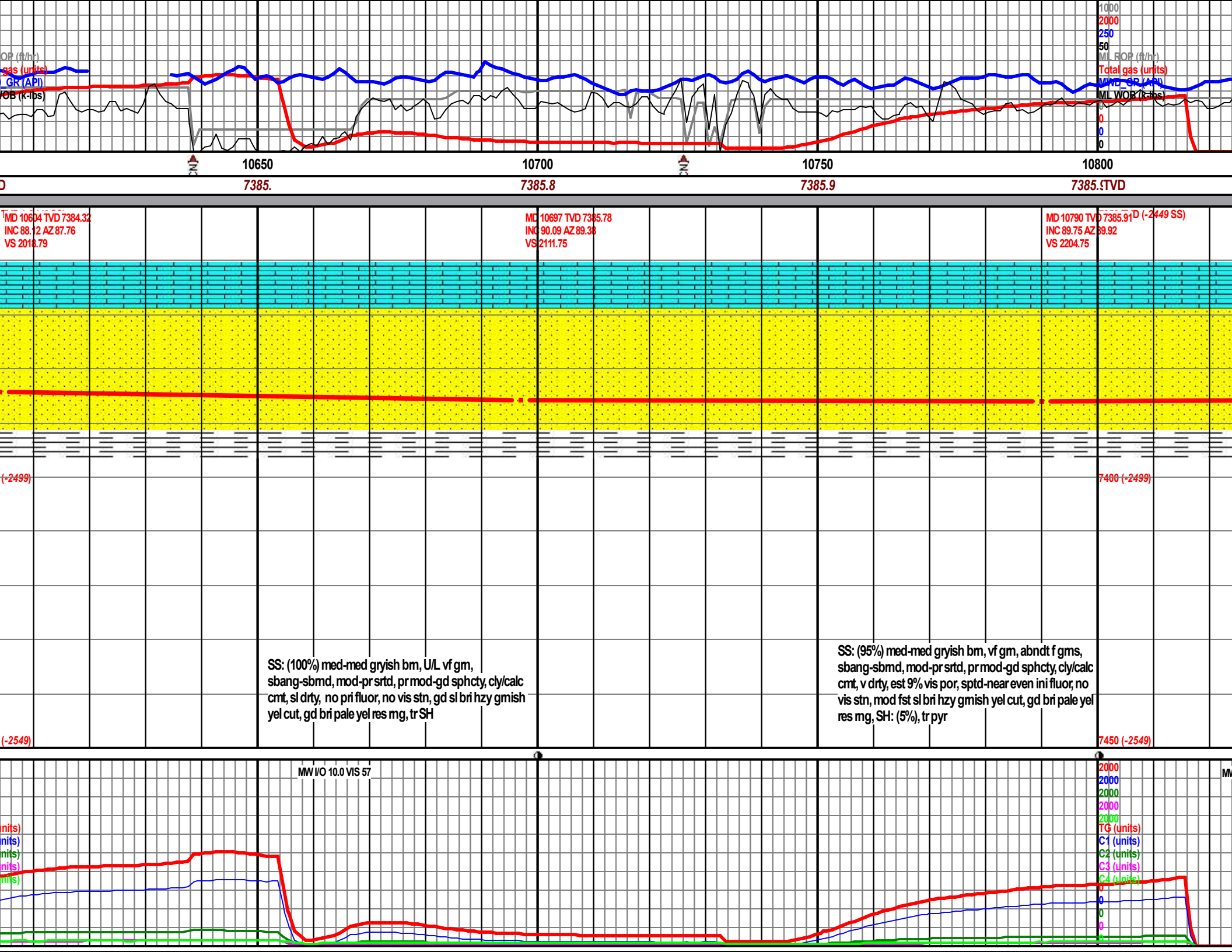
MW I/O 9.9 VIS 56

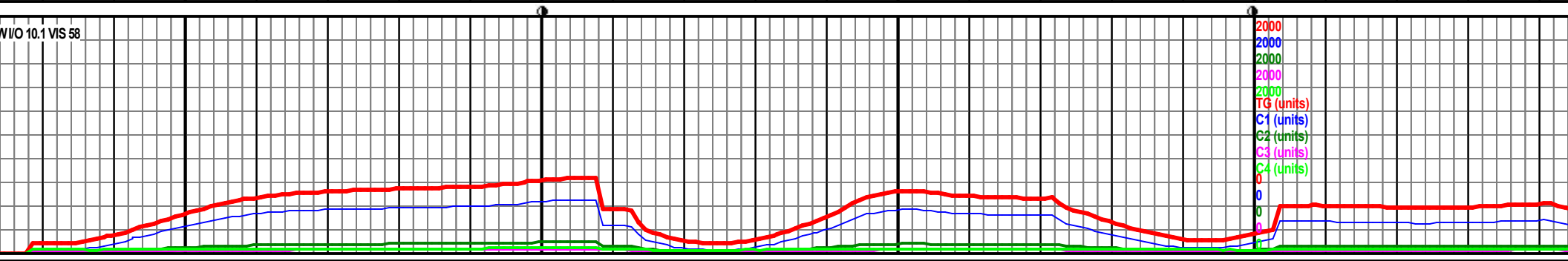
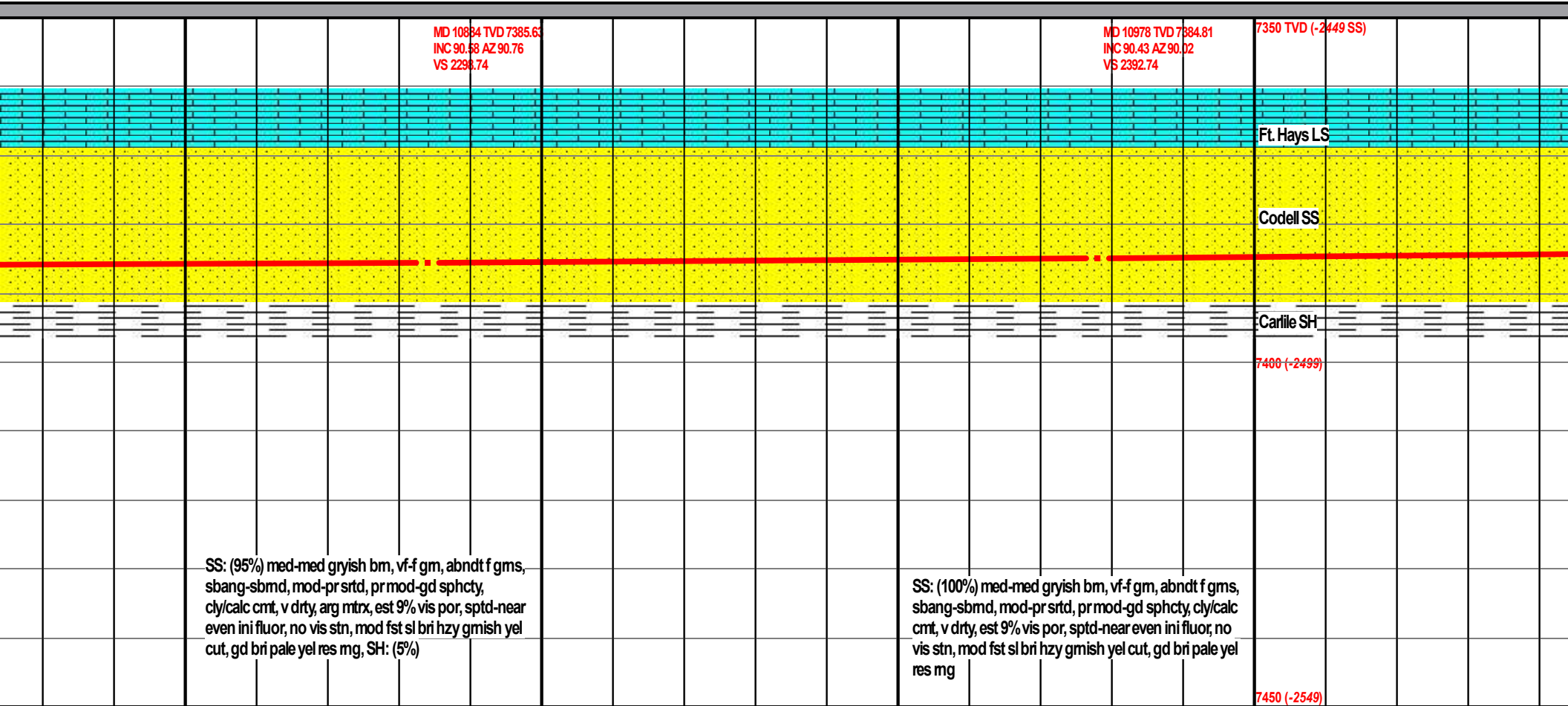
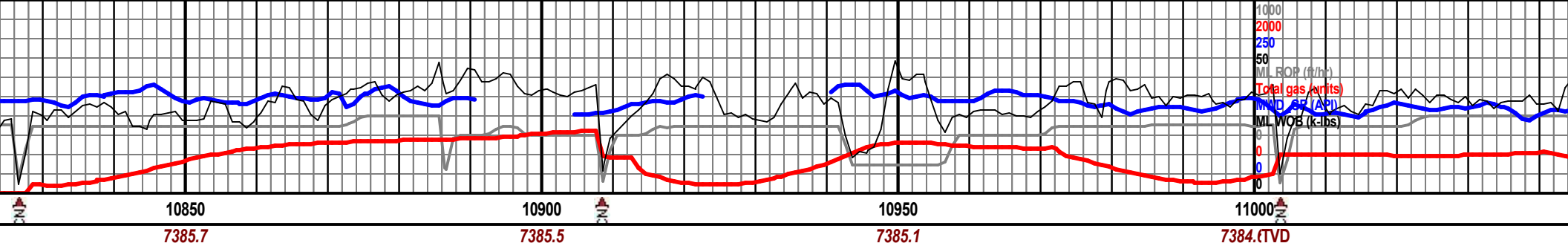
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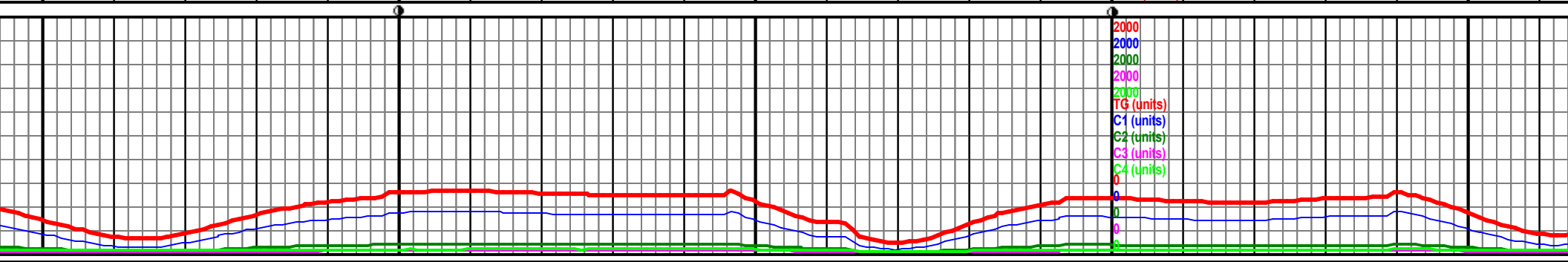
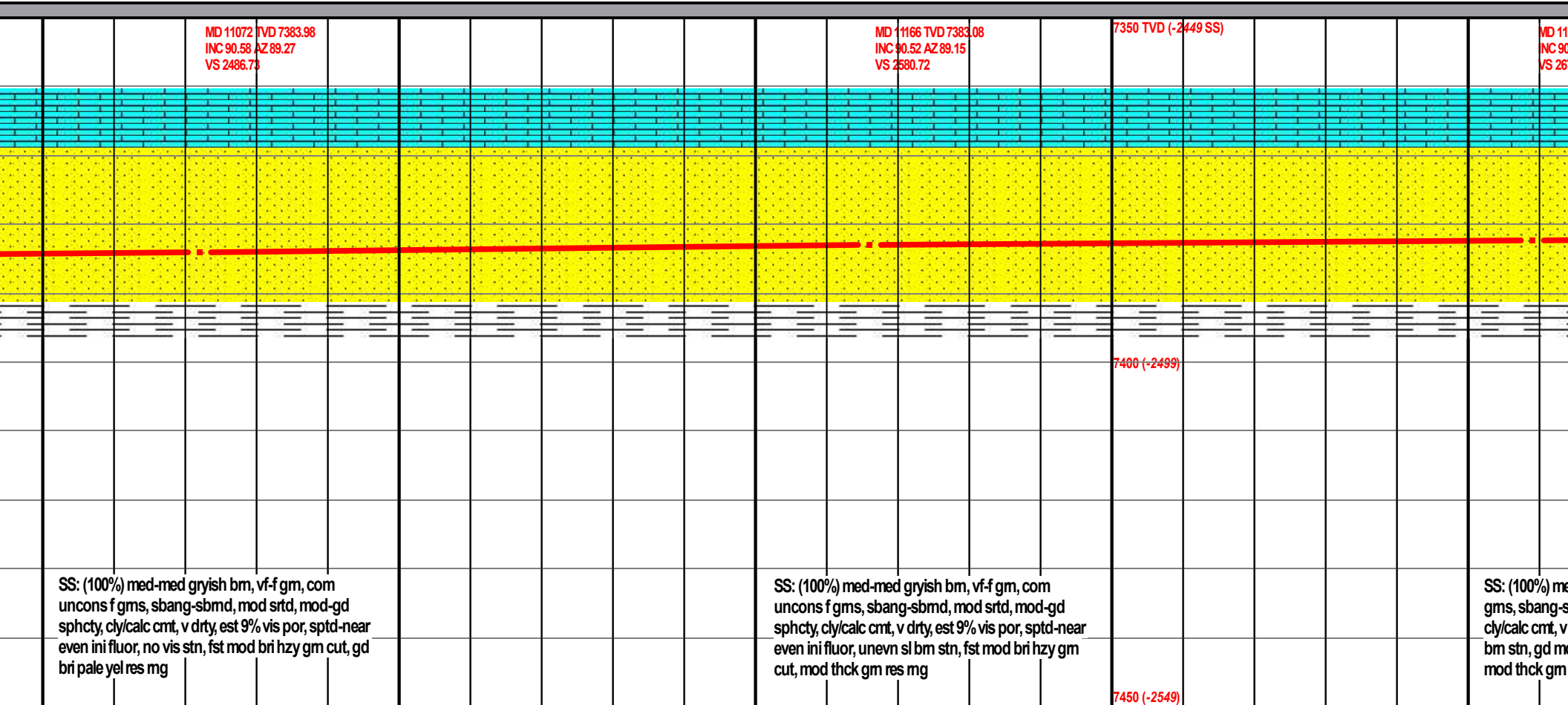
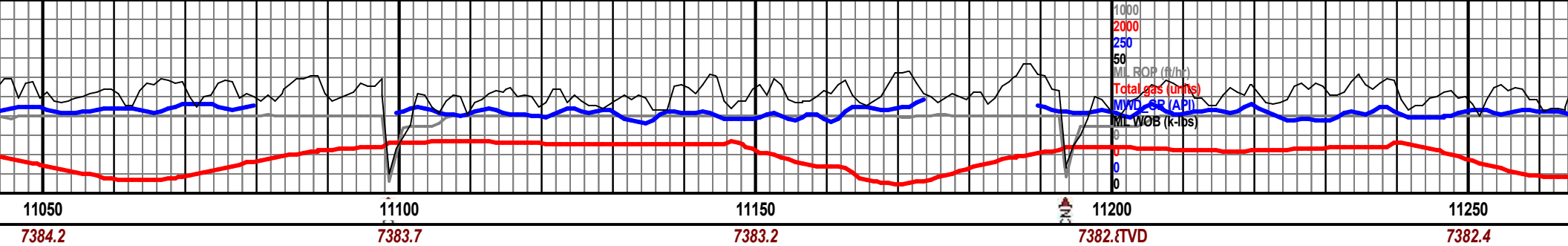


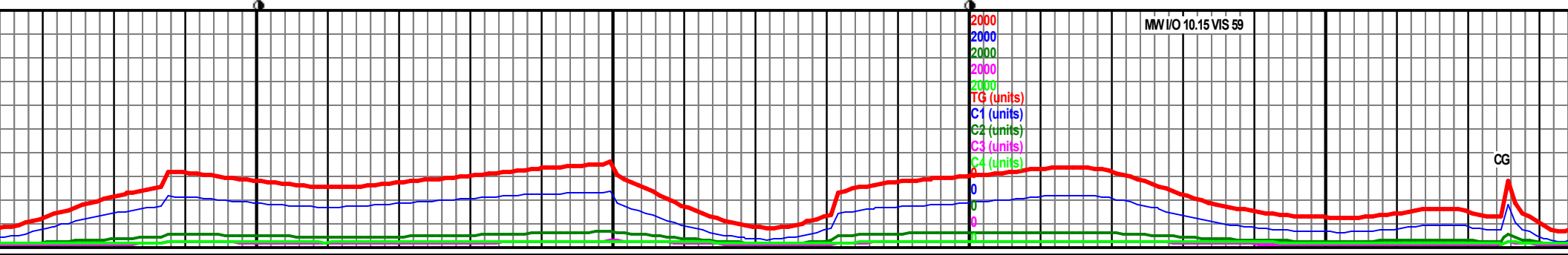
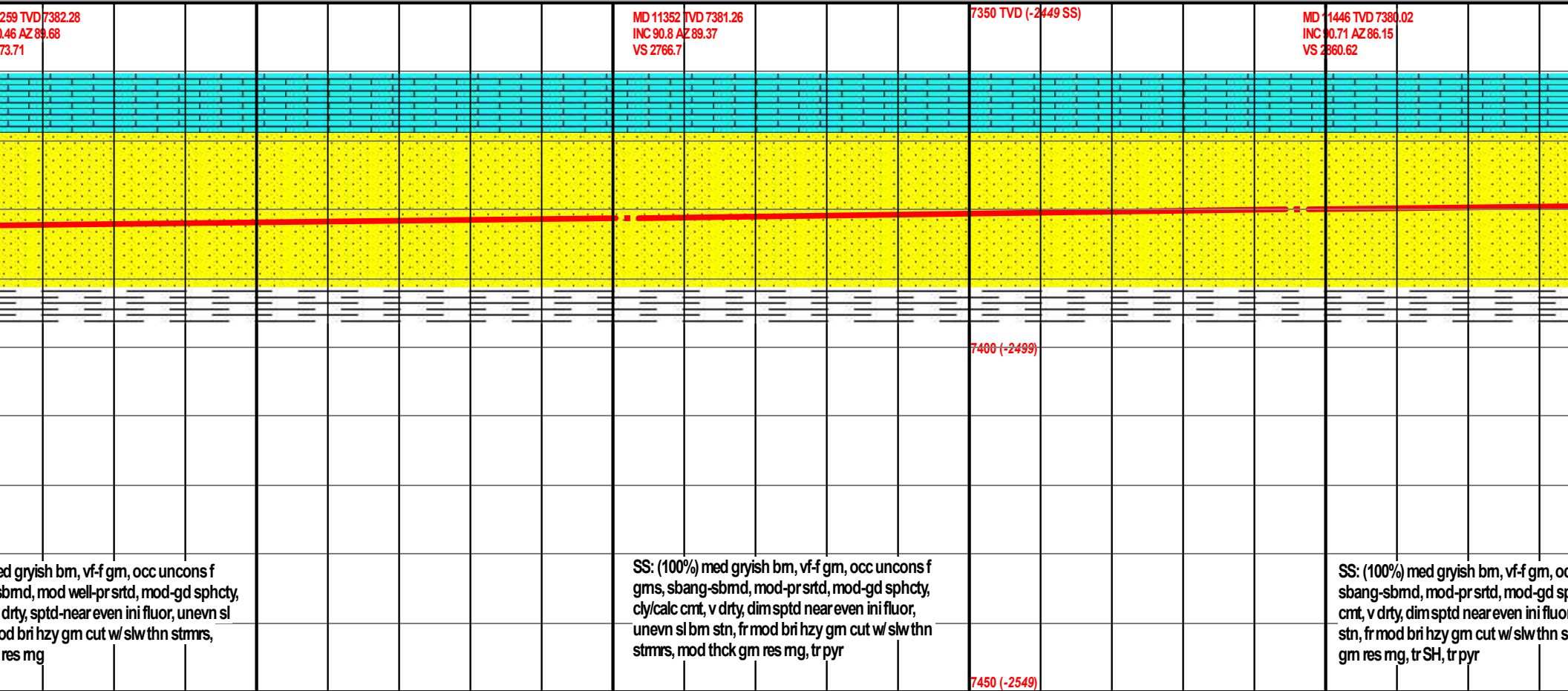
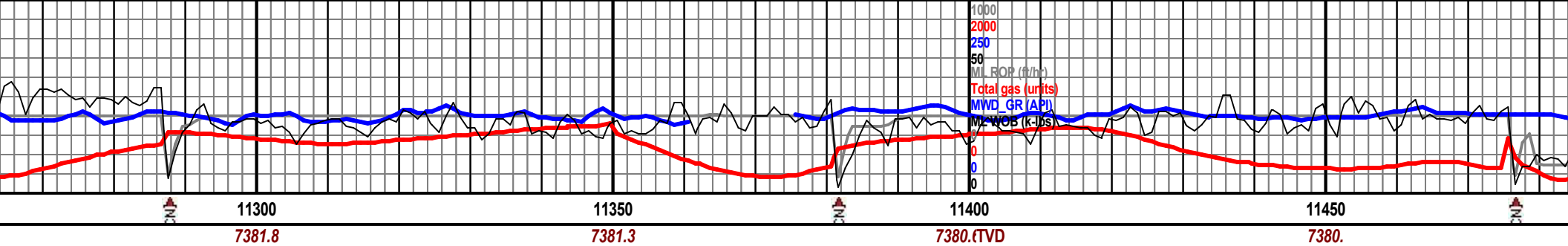


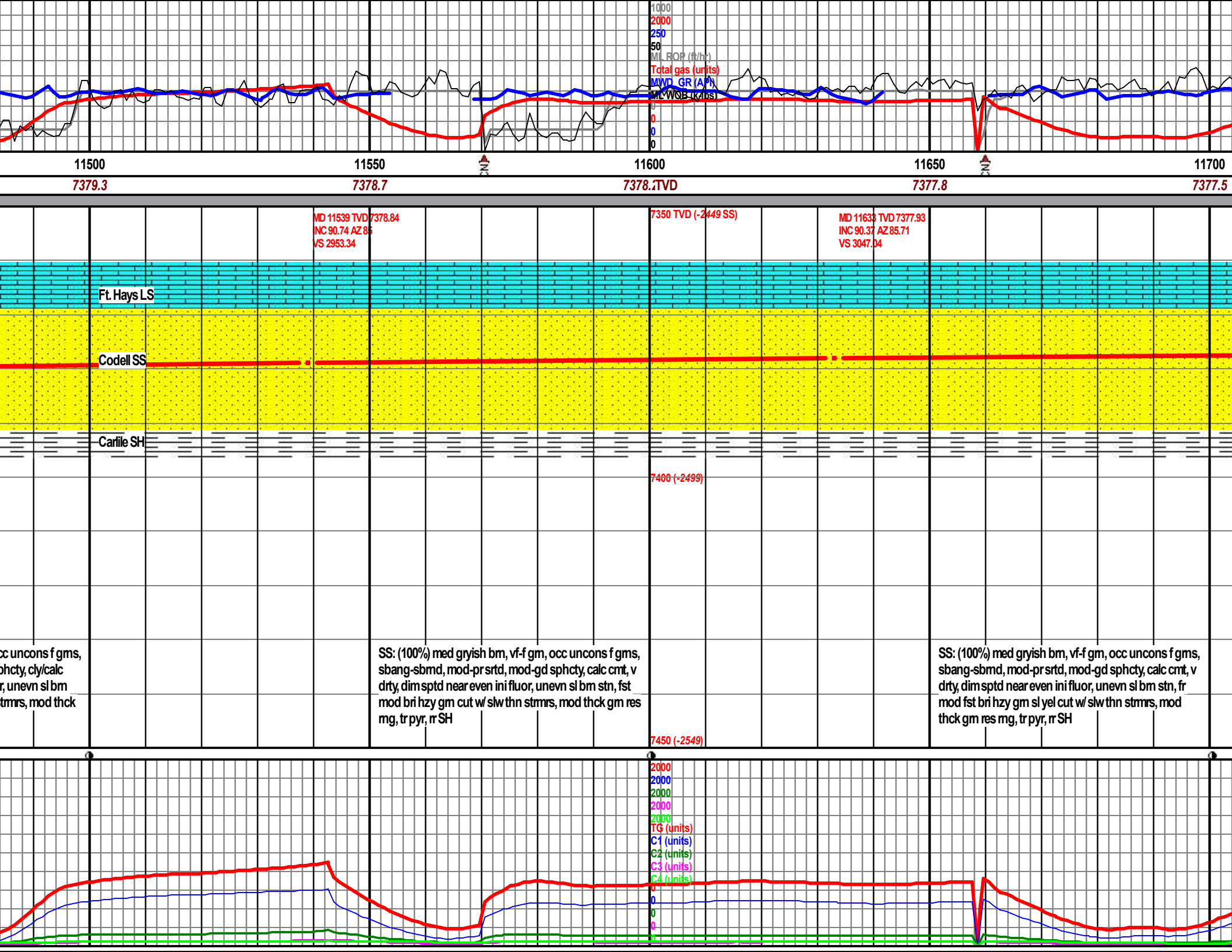


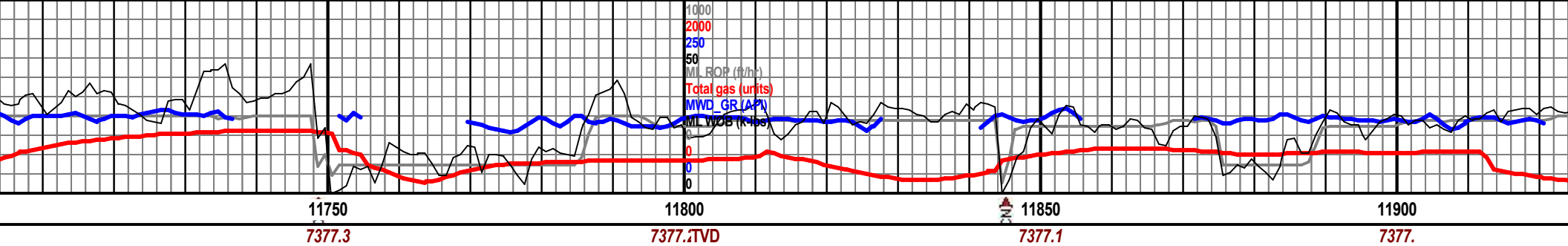












MD 11725 TVD 7377.34
INC 90.37 AZ 88.37
VS 3138.91

7350 TVD (-2449 SS)

MD 11819 TVD 7377.16
INC 89.85 AZ 91.26
VS 3232.9

MD 11911 TVD 7377.16
INC 90.37 AZ 93.62
VS 3324.81

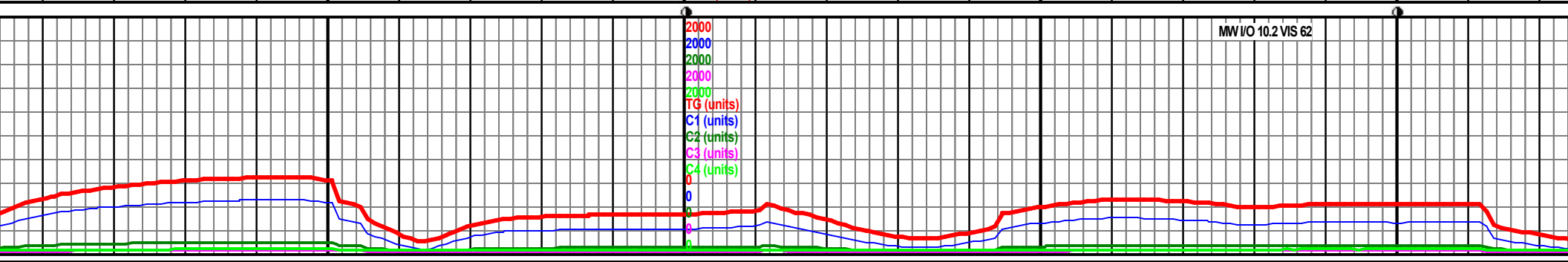
SS: (100%) med gryish bm, pred f gm, occ unconsl med gms, sbang-sbmd, mod-pr srted, mod-gd sphcty, calc cmt, occ mtrx sprtd, v dim sptd near even ini fluor, unevn sl bm stn, fr mod fst bri hzy gm sl yel cut w/ slw thn strms, mod thck gm res mg, r pyr

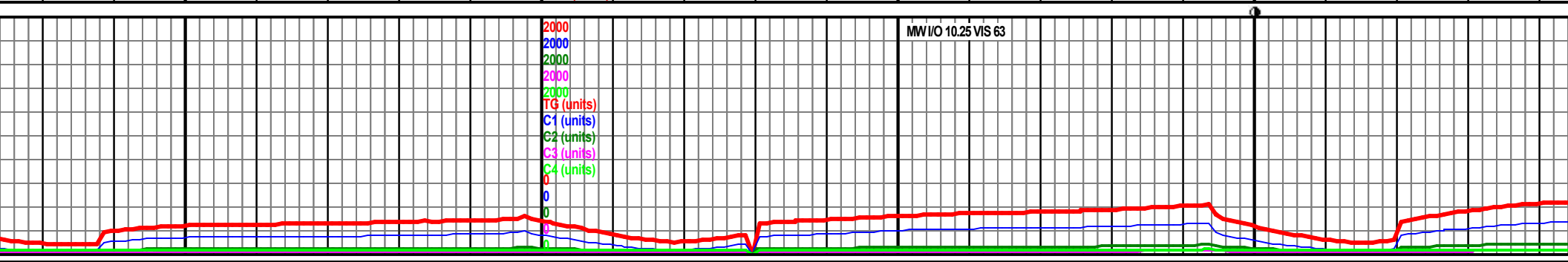
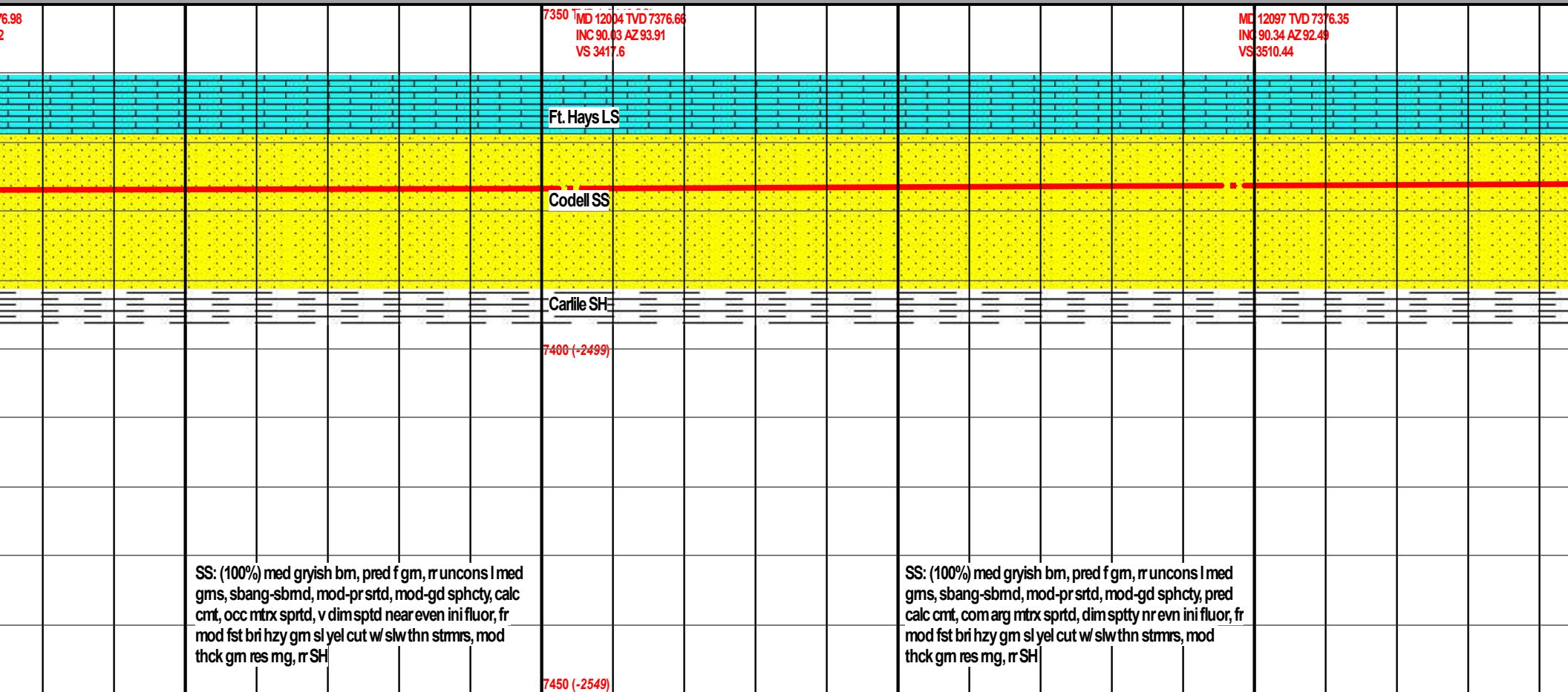
SS: (100%) med gryish bm, pred f gm, r unconsl med gms, sbang-sbmd, mod-pr srted, mod-gd sphcty, calc cmt, occ mtrx sprtd, v dim sptd near even ini fluor, unevn sl bm stn, fr mod fst bri hzy gm sl yel cut w/ slw thn strms, mod thck gm res mg, tr SH

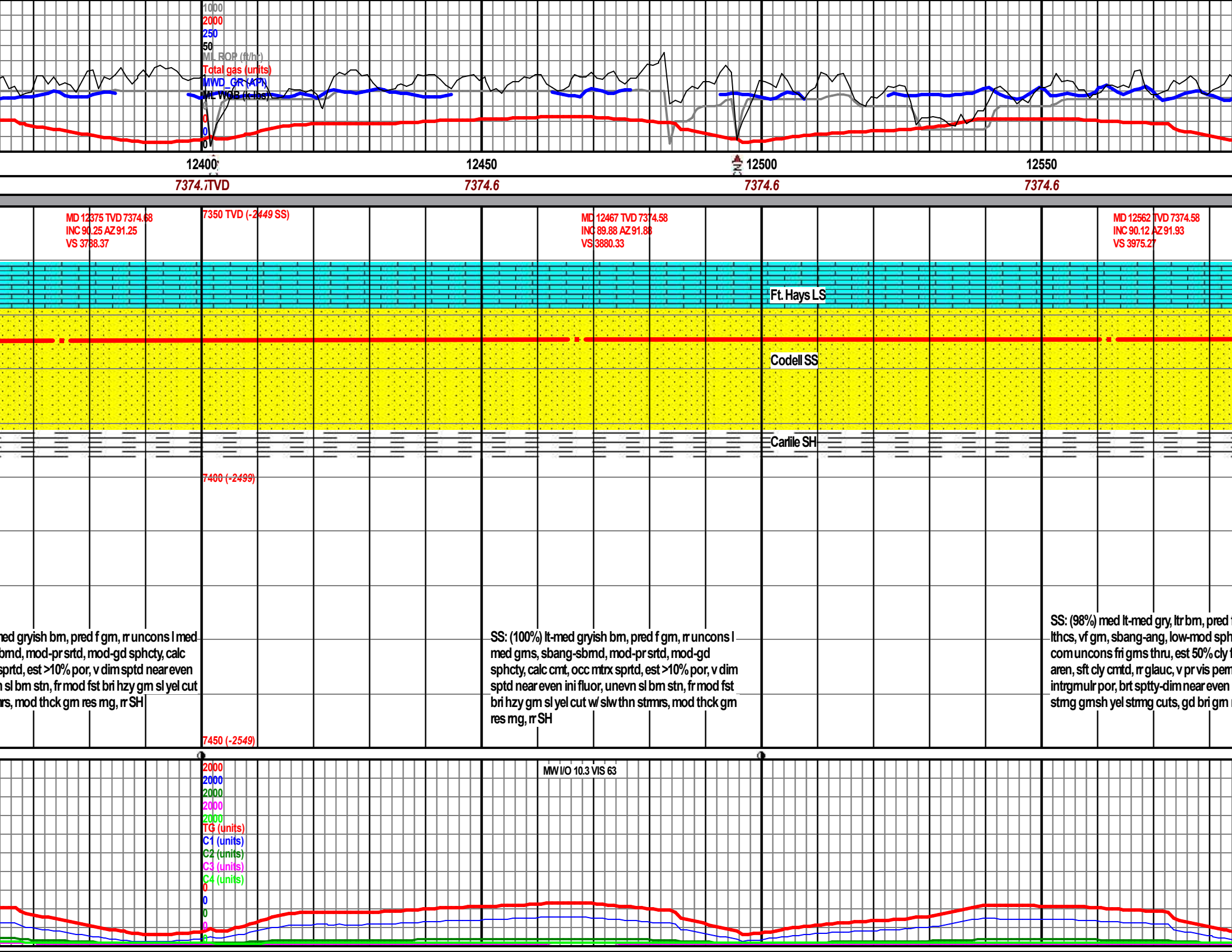
7400 (-2499)

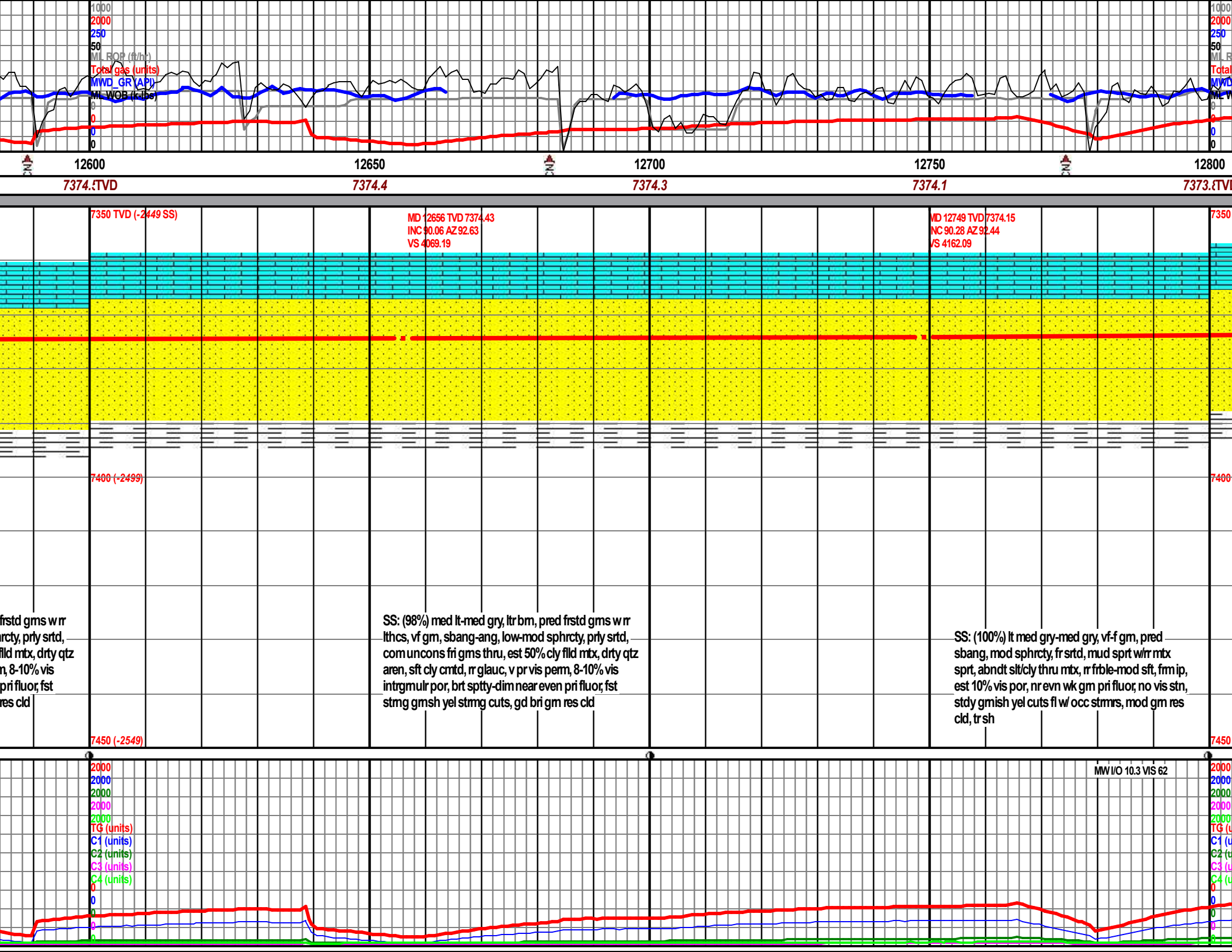
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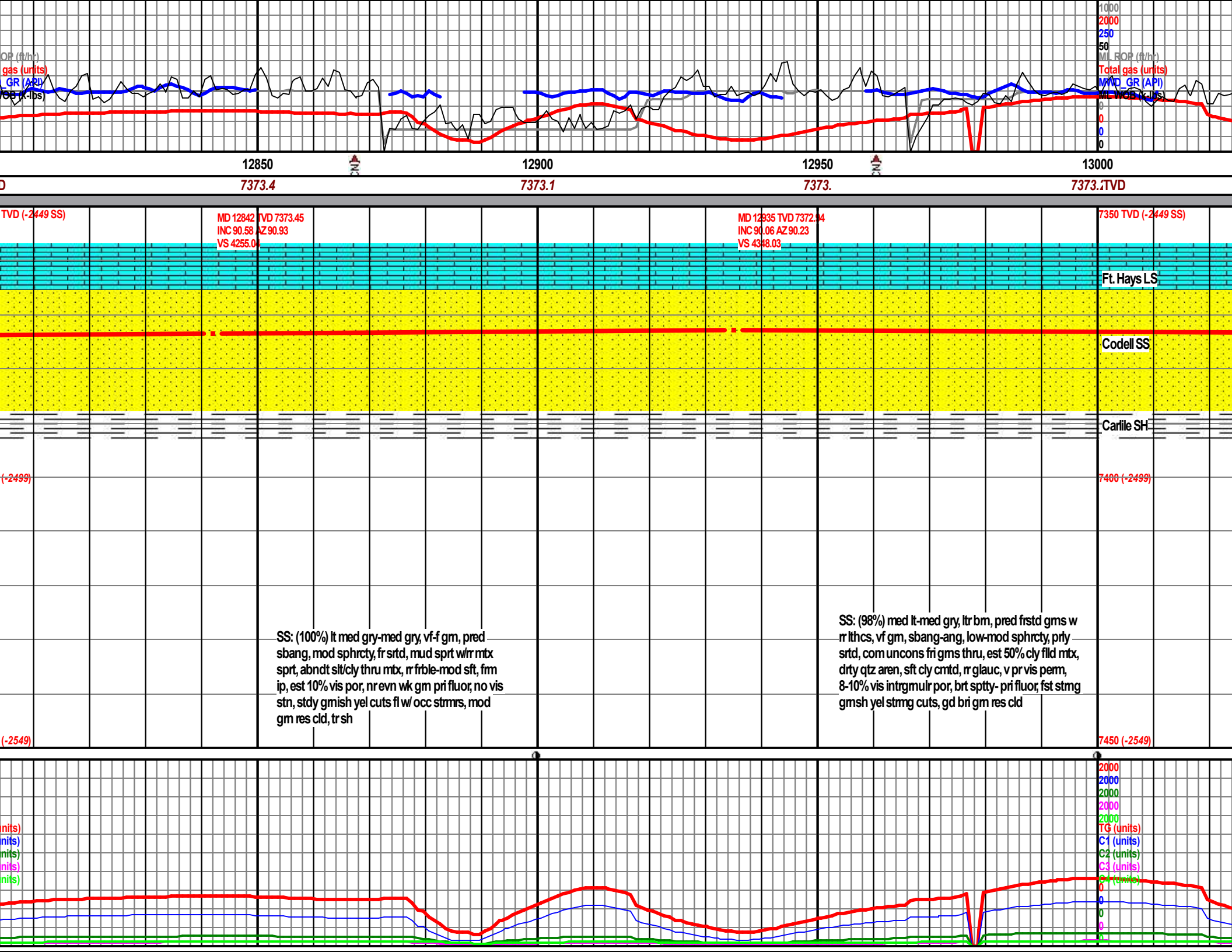
MW I/O 10.2 VIS 62

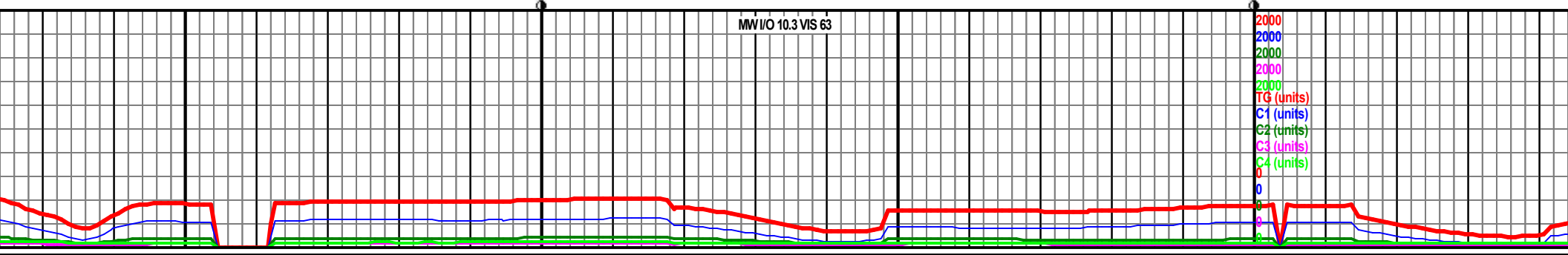
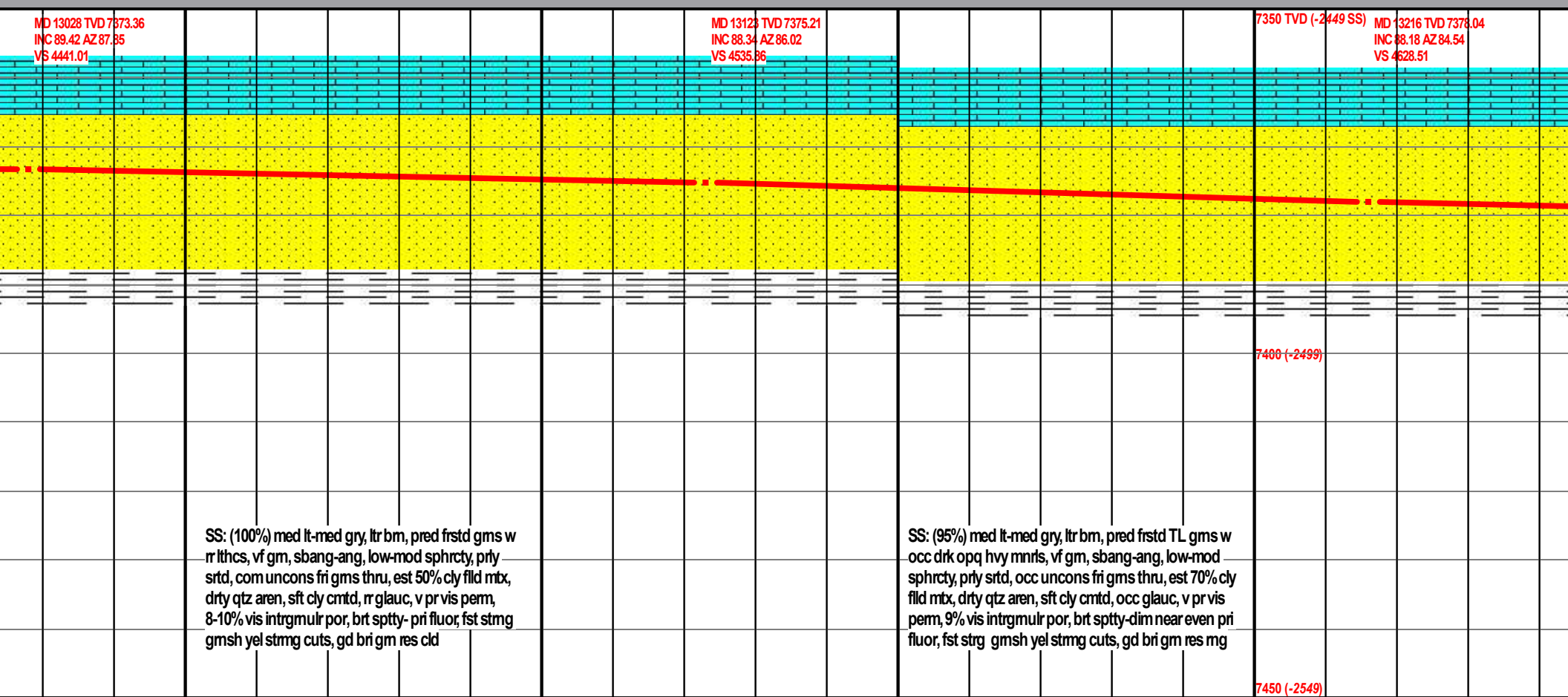
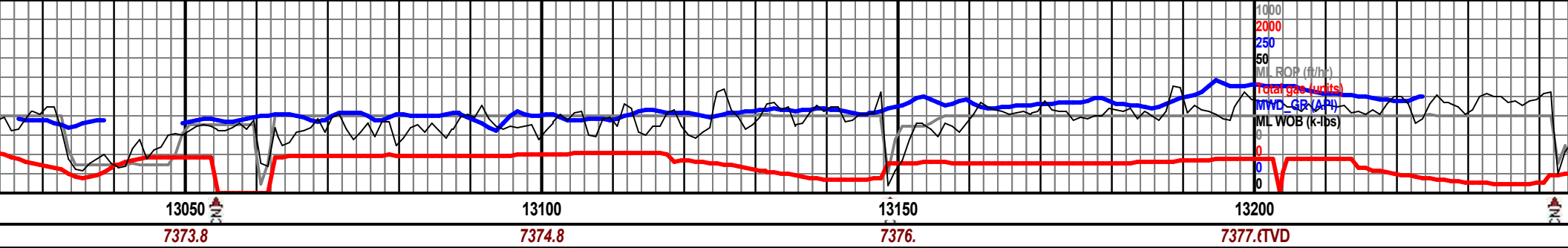


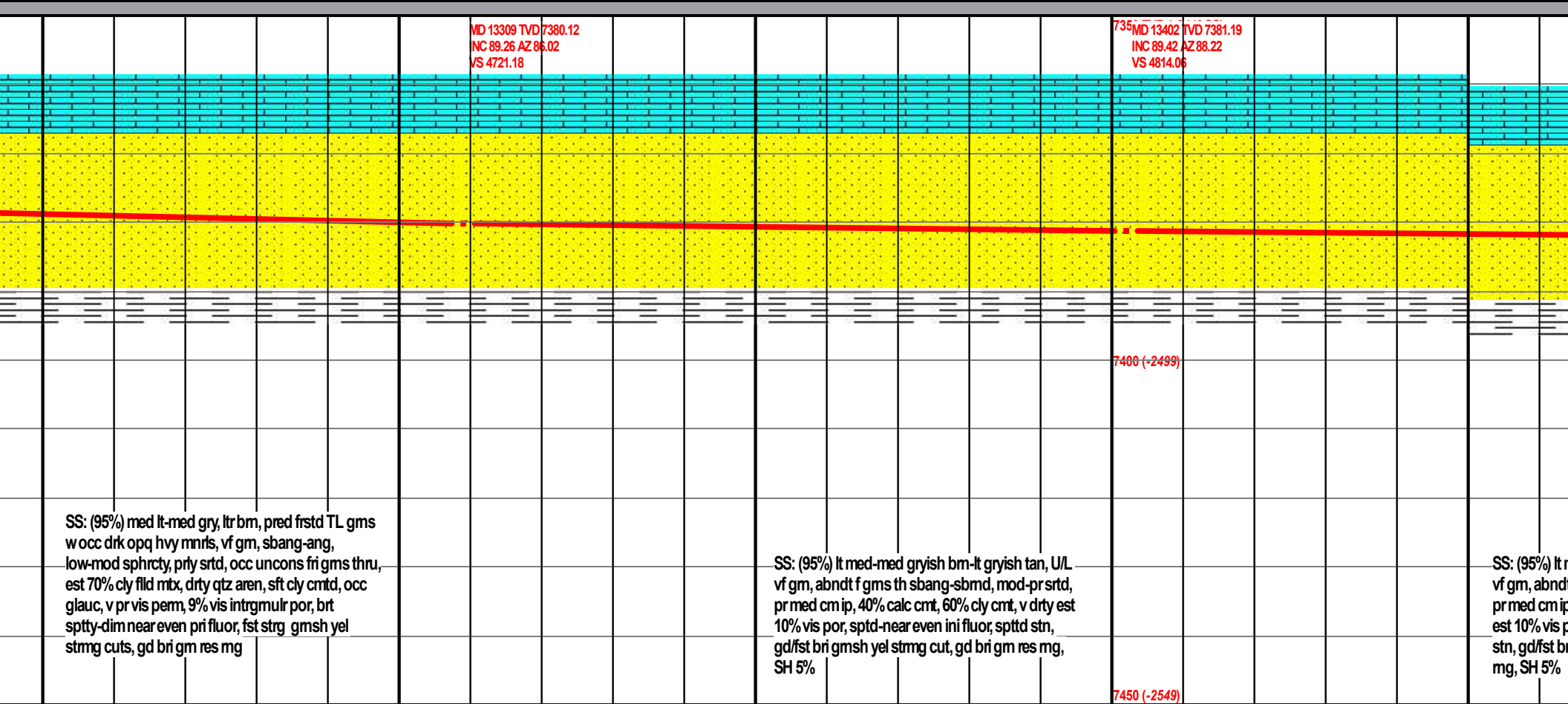
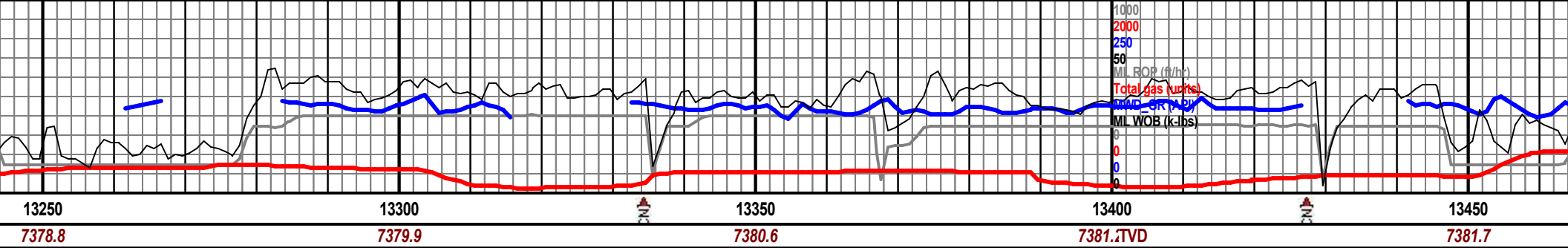








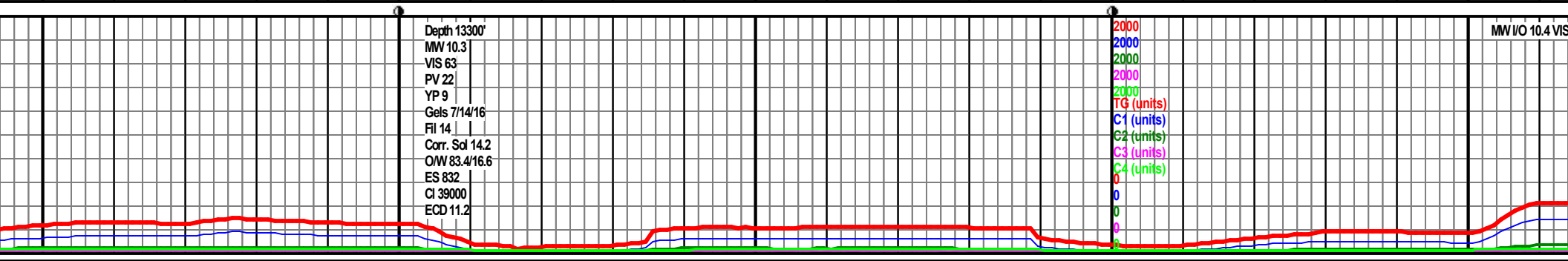




SS: (95%) med lt-med gry, ltr bm, pred frstd TL gms w occ drk opq hvy mnrls, vf gm, sbang-ang, low-mod sphrcty, prly srted, occ uncons fri gms thru, est 70% cly fld mnt, drty qtz aren, sft cly cmt, occ glauc, v pr vis perm, 9% vis intrgmulr por, brt sptty-dim near even pri fluor, fst strg gmsh yel strmg cuts, gd bri gm res mg

SS: (95%) lt med-med gryish bm-lt gryish tan, U/L vf gm, abndt f gms th sbang-sbmd, mod-prsrted, pr med cm ip, 40% calc cmt, 60% cly cmt, v drty est 10% vis por, sptd-near even ini fluor, spttd stn, gd/fst bri gmsh yel strmg cut, gd bri gm res mg, SH 5%

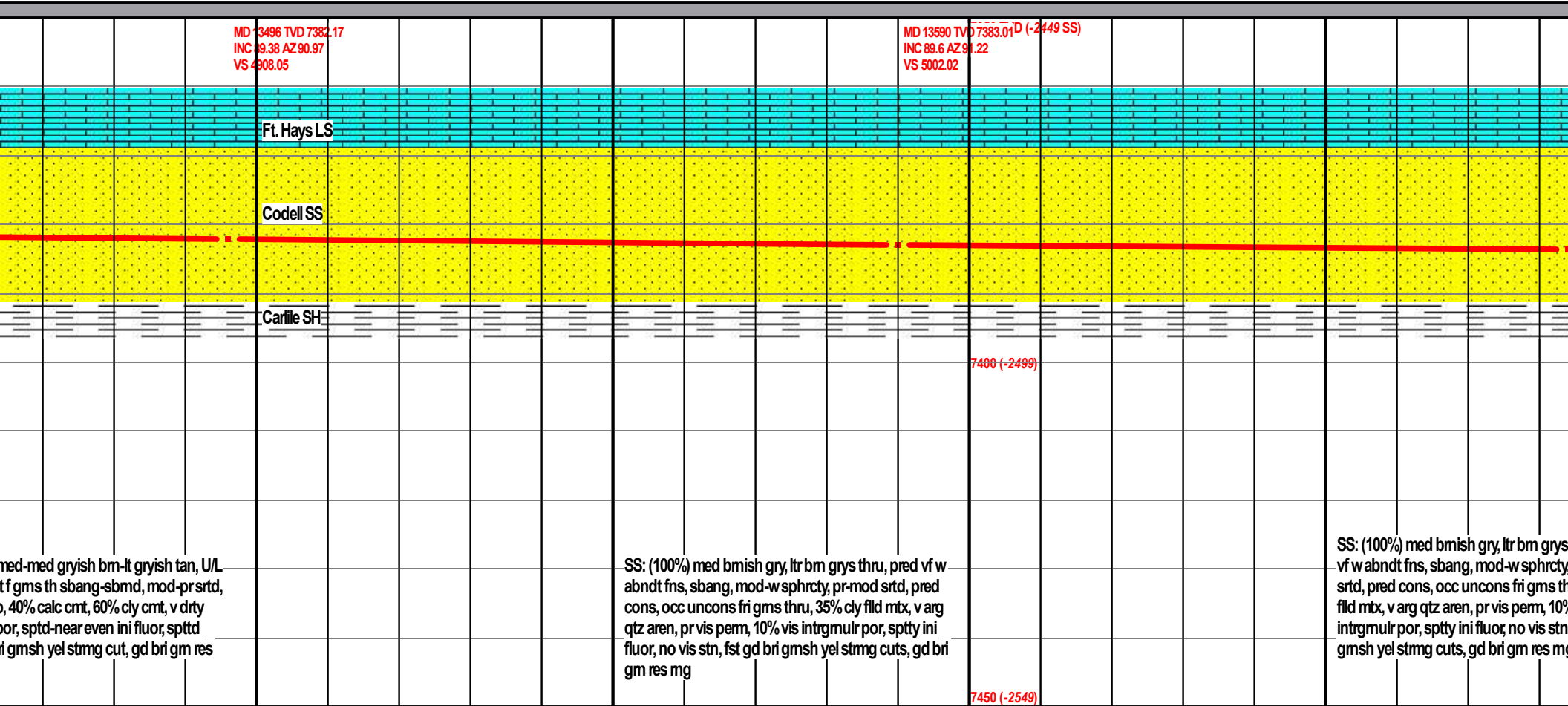
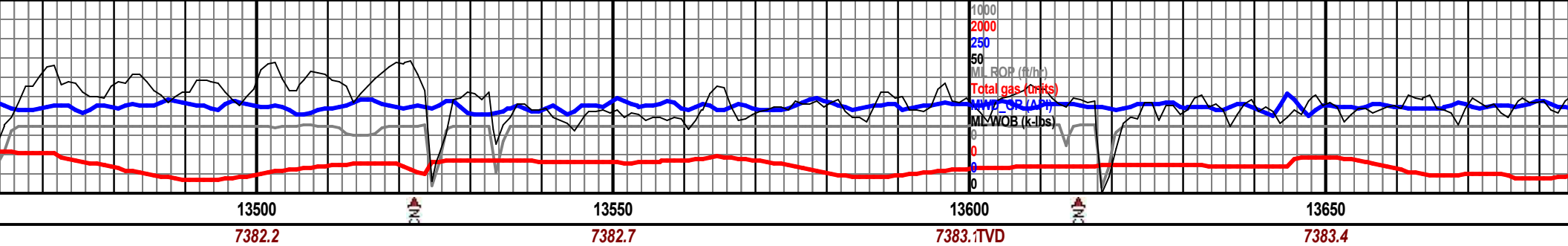
SS: (95%) lt med-med gryish bm-lt gryish tan, U/L vf gm, abndt f gms th sbang-sbmd, mod-prsrted, pr med cm ip, 40% calc cmt, 60% cly cmt, v drty est 10% vis por, sptd-near even ini fluor, spttd stn, gd/fst bri gmsh yel strmg cut, gd bri gm res mg, SH 5%



Depth 13300'
MW 10.3
VIS 63
PV 22
YP 9
Gels 7/14/16
Flt 14
Corr. Sol 14.2
OW 83.4/16.6
ES 832
CI 39000
ECD 11.2

2000
2000
2000
2000
2000
TG (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)

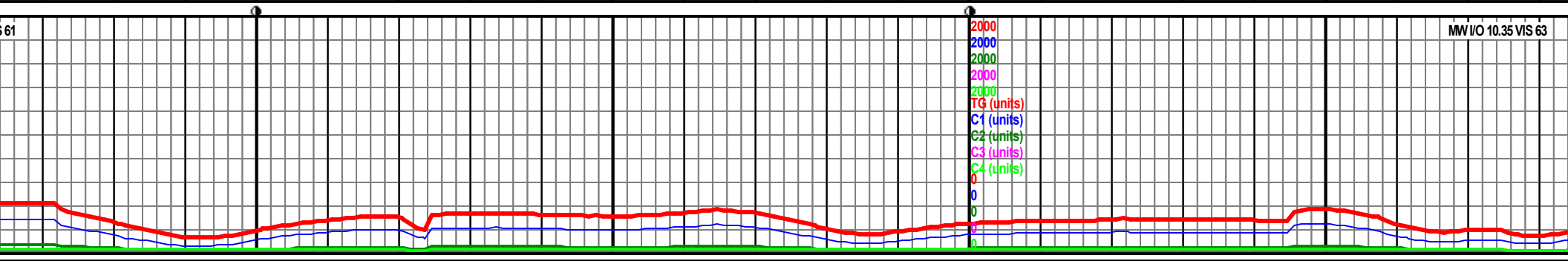
MW/O 10.4 VIS

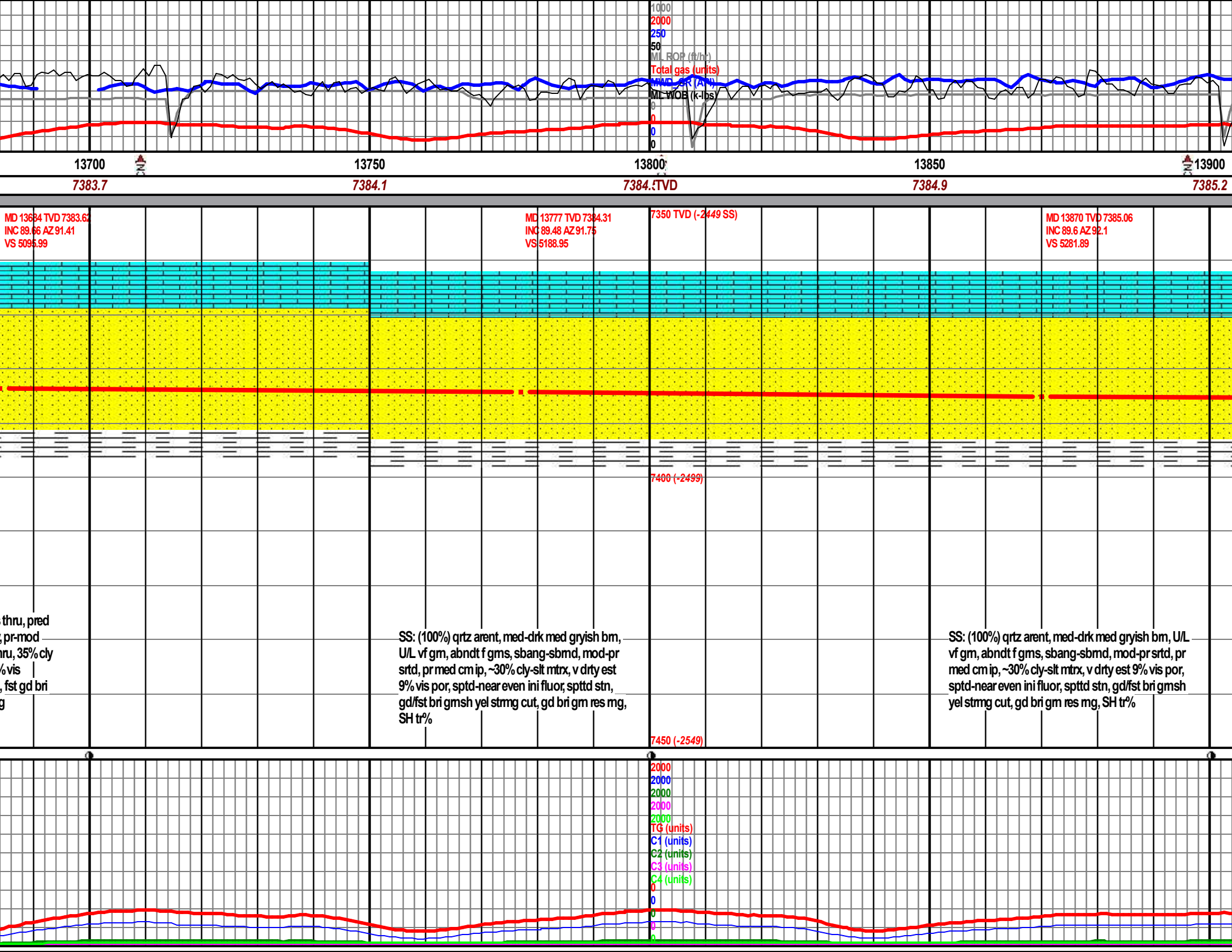


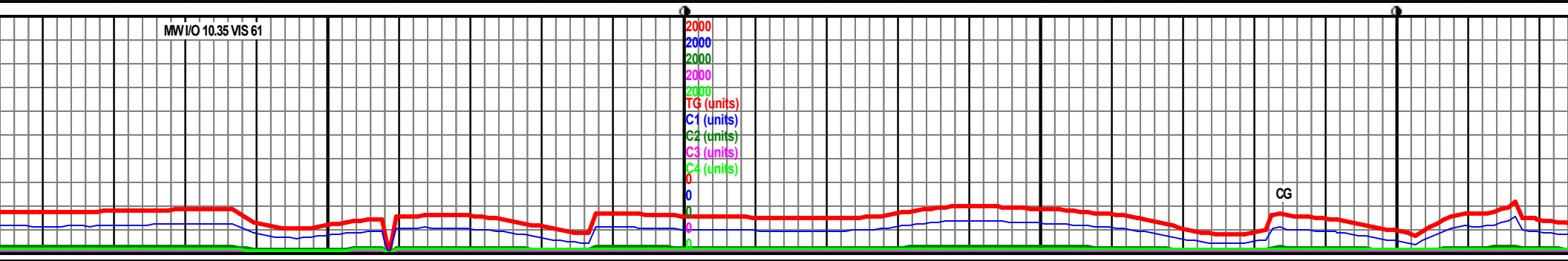
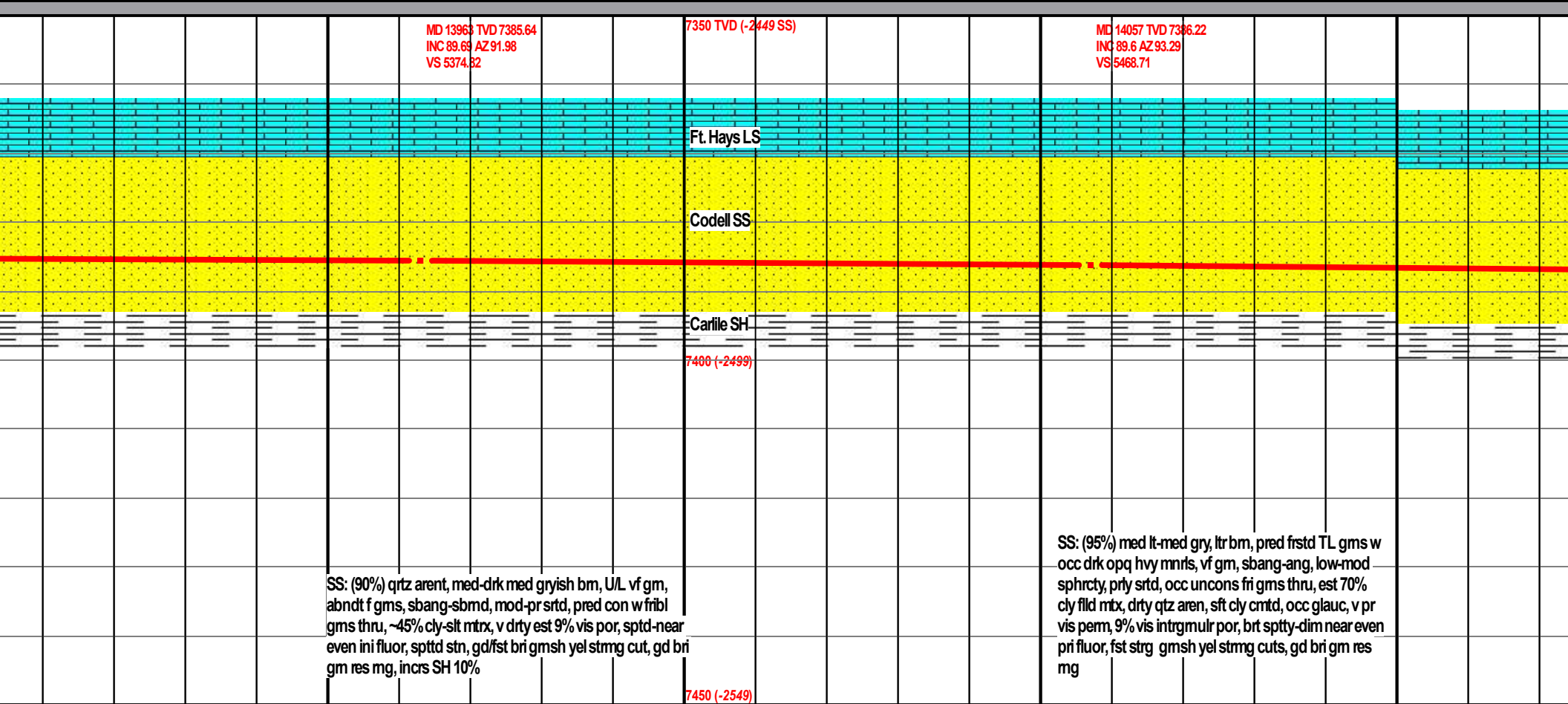
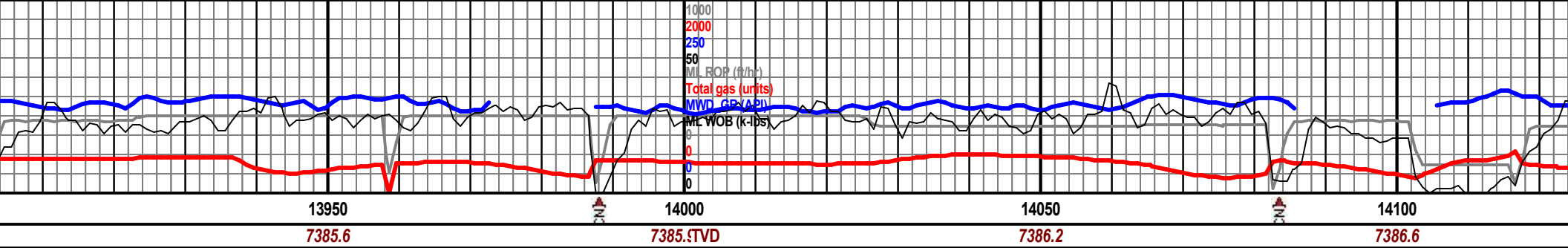
med-med gryish bm-lt gryish tan, U/L
t f gms th sbang-sbmd, mod-pr srted,
o, 40% calc cmt, 60% cly cmt, v drty
oor, sptd-near even ini fluor, spttd
ri gmsh yel strmg cut, gd bri gm res

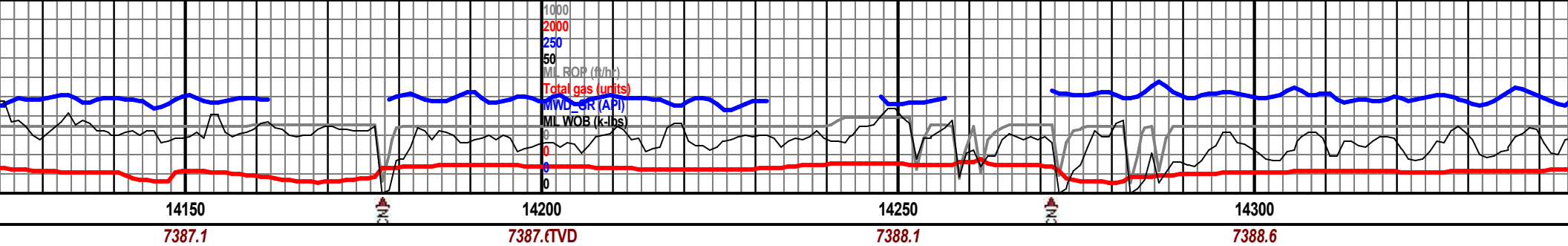
SS: (100%) med bnish gry, ltr bm grys thru, pred vf w
abndt fns, sbang, mod-w sphrcty, pr-mod srted, pred
cons, occ unconfs fri gms thru, 35% cly fld mtz, v arg
qtz aren, pr vis perm, 10% vis intrgmulr por, sptty ini
fluor, no vis strn, fst gd bri gmsh yel strmg cuts, gd bri
gm res mg

SS: (100%) med bnish gry, ltr bm grys thru, pred vf w
abndt fns, sbang, mod-w sphrcty, pr-mod srted, pred
cons, occ unconfs fri gms thru, 35% cly fld mtz, v arg
qtz aren, pr vis perm, 10% vis intrgmulr por, sptty ini
fluor, no vis strn, fst gd bri gmsh yel strmg cuts, gd bri
gm res mg







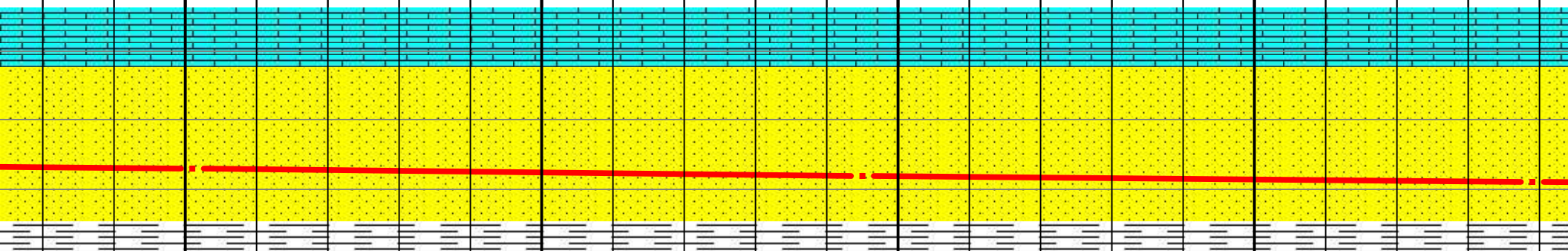


MD 14151 TVD 7387.1
INC 89.32 AZ 94.33
VS 5562.49

7350 TVD (-2449 SS)

MD 14245 TVD 7388.09
INC 89.48 AZ 94.13
VS 5566.22

MD 14245 TVD 7388.09
INC 89.48 AZ 94.13
VS 5566.22

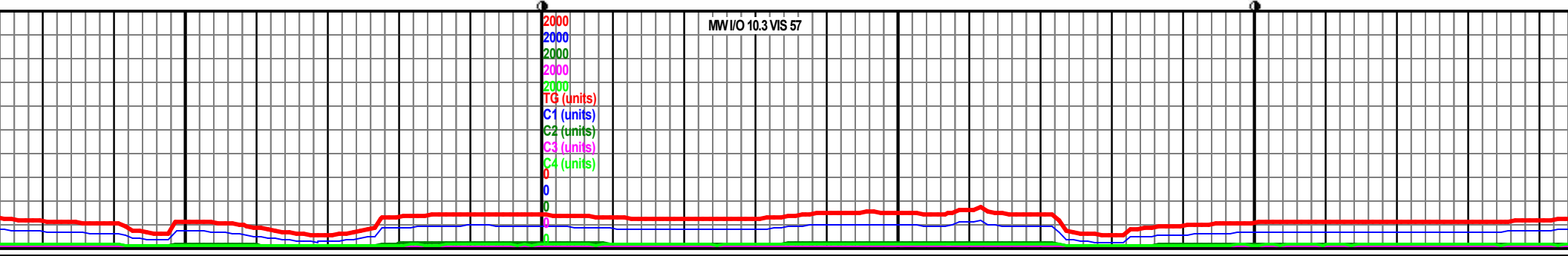


7400 (-2499)

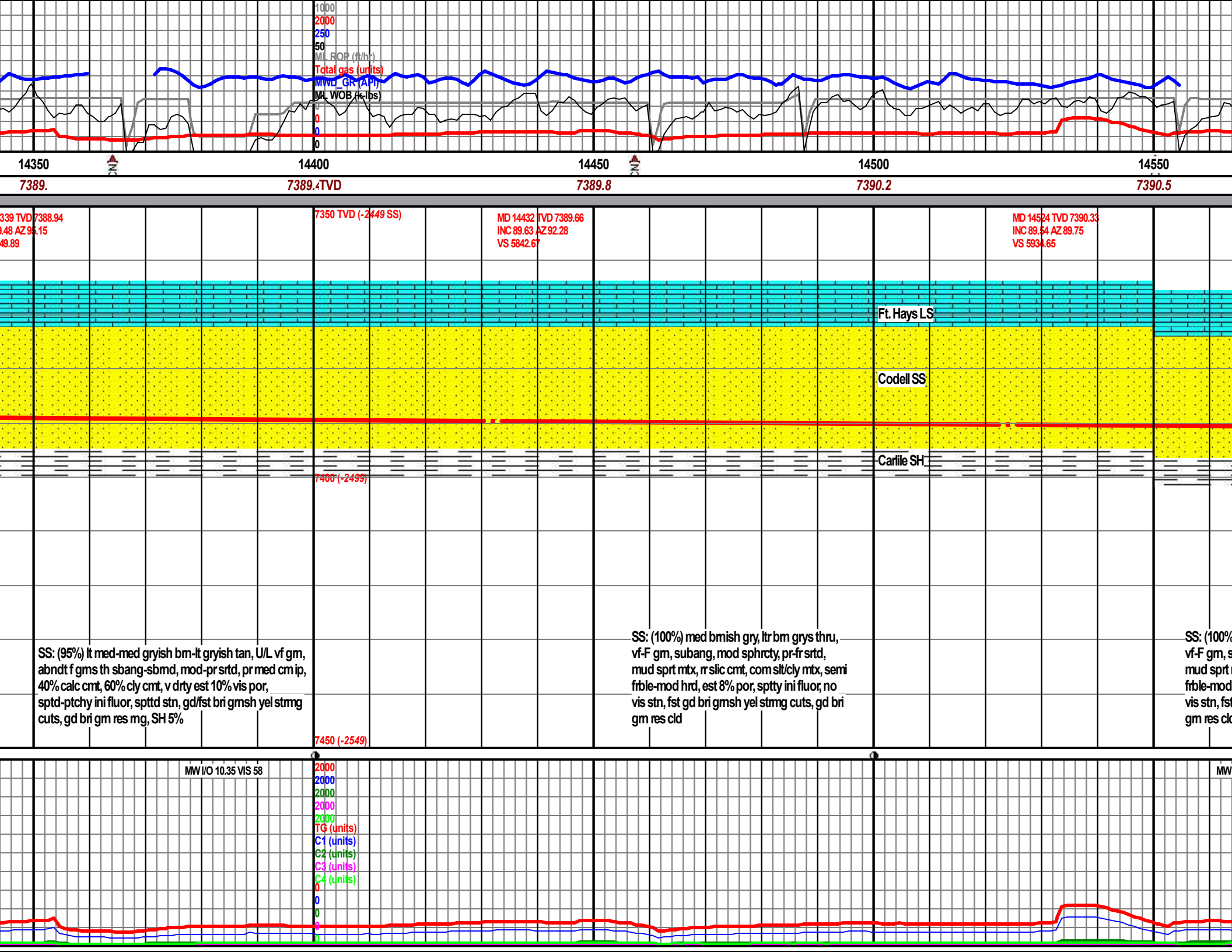
SS: (95%) med lt-med gry, ltr brn, pred frstd TL gms w occ
dk opq hvy mnrls, vf gm, sbang-ang, low-mod sphrcty,
prty srted, occ unconsl fri gms thru, est 70% cly fld mtr, drty
qtz aren, sft cly cmt, occ glauc, v pr vis perm, 9% vis
intrgmulr por, brt sppty-dim near even pri fluor, fst strg
gmsh yel strmg cuts, gd bri gm res mg

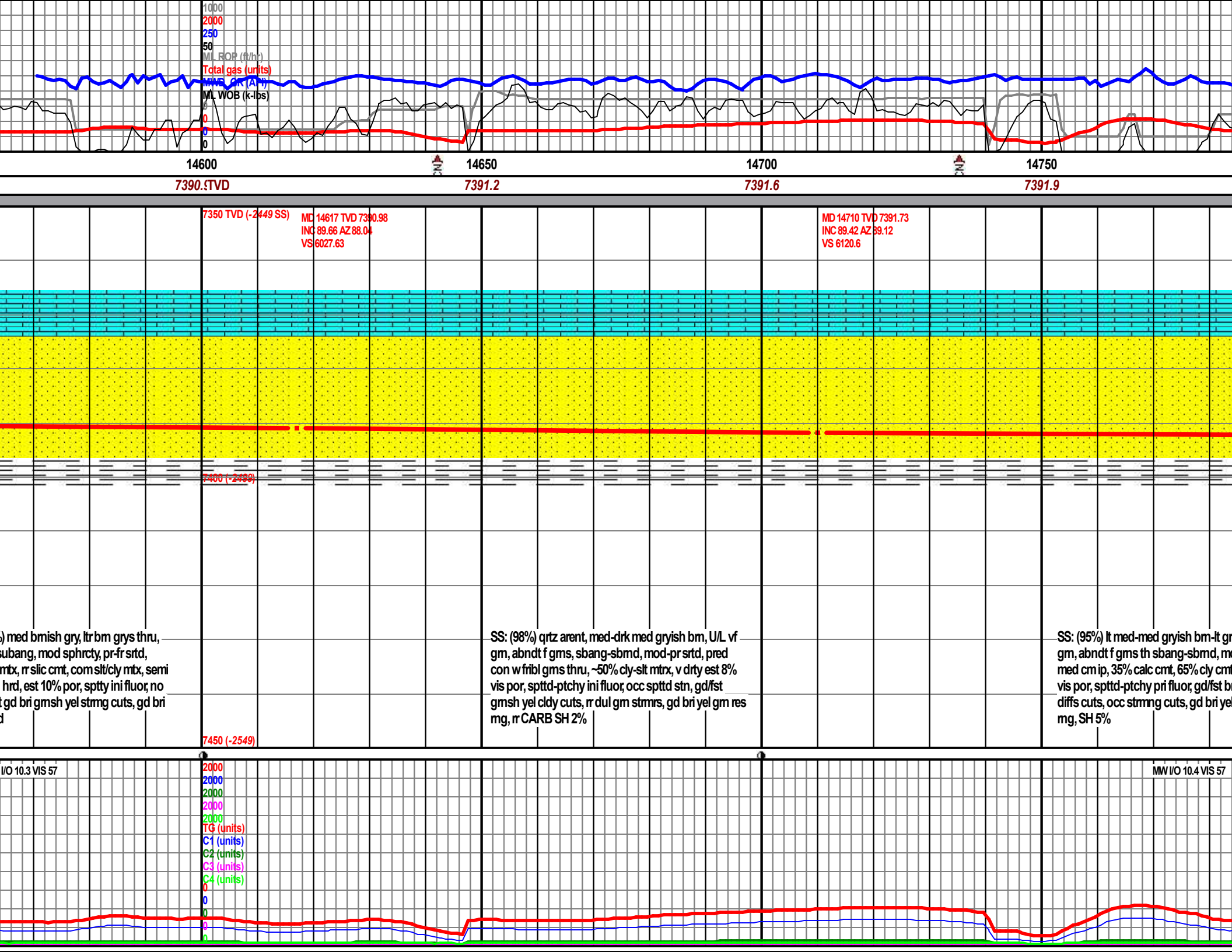
SS: (95%) lt med-med gryish brn-lt gryish tan,
U/L vf gm, abndt f gms th sbang-sbmd, mod-pr
srted, pr med cm ip, 40% calc cmt, 60% cly cmt, v
drty est 10% vis por, sptd-ptchy ini fluor, spttd
stn, gd/fst bri gmsh yel strmg cuts, gd bri gm
res mg, SH 5%

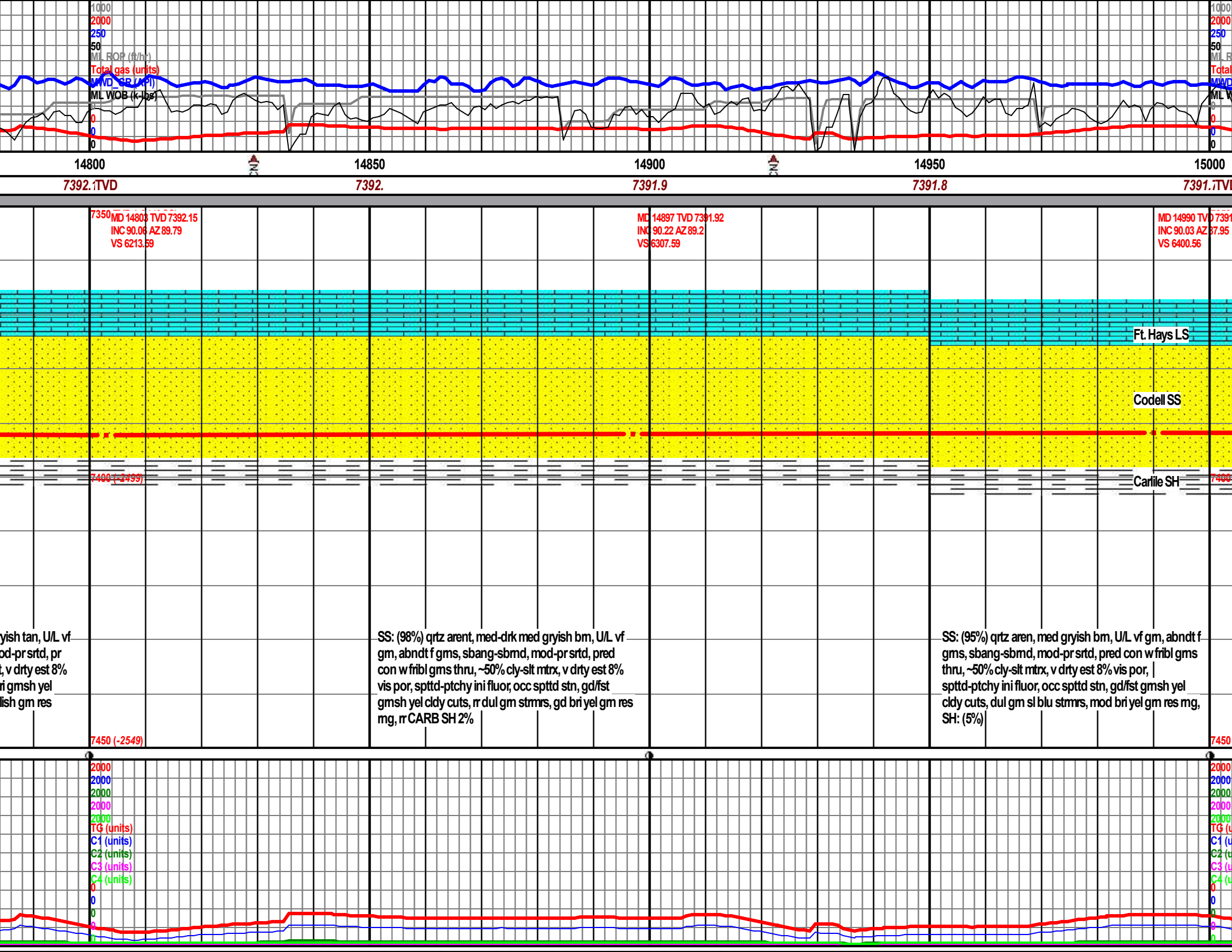
7450 (-2549)

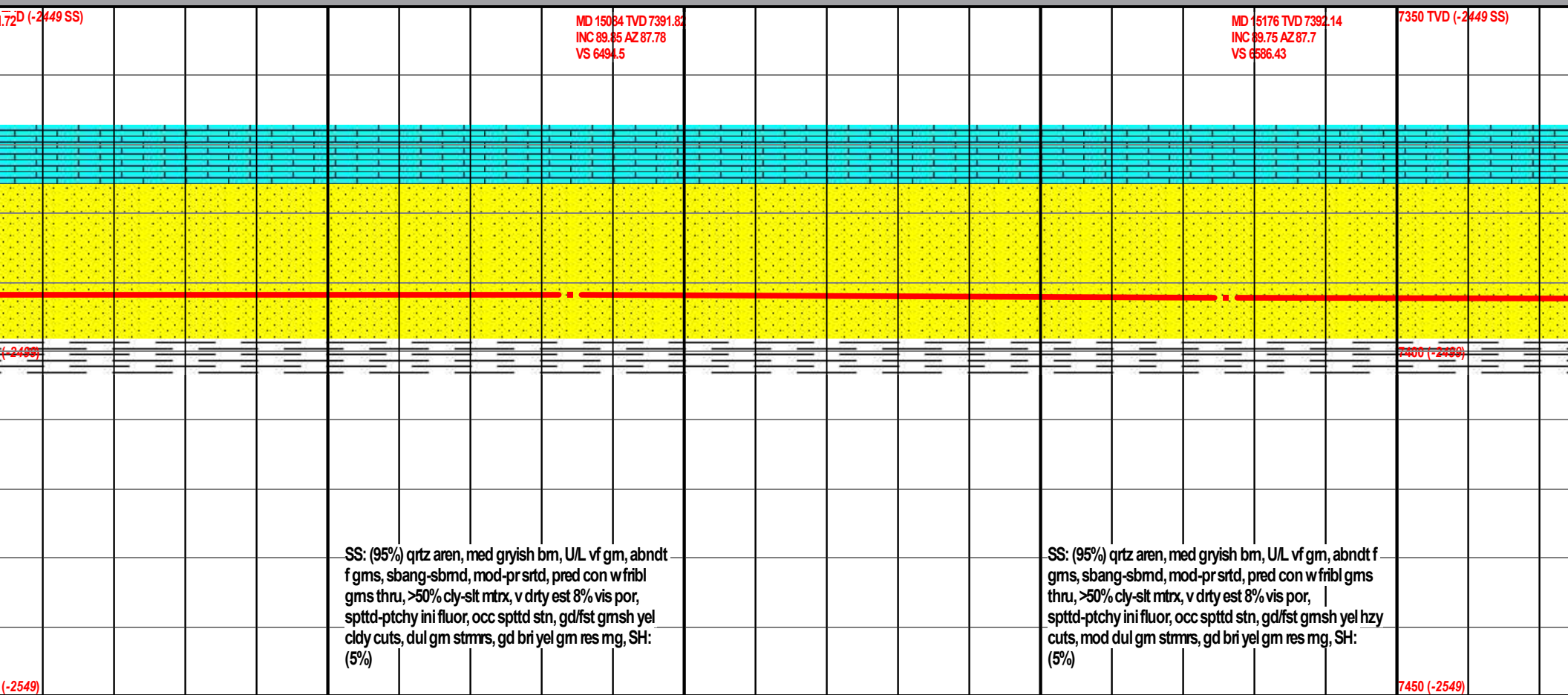


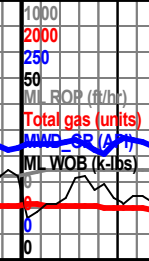
MW/O 10.3 VIS 57









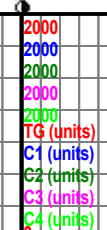


7350 TVD (-2449 SS)

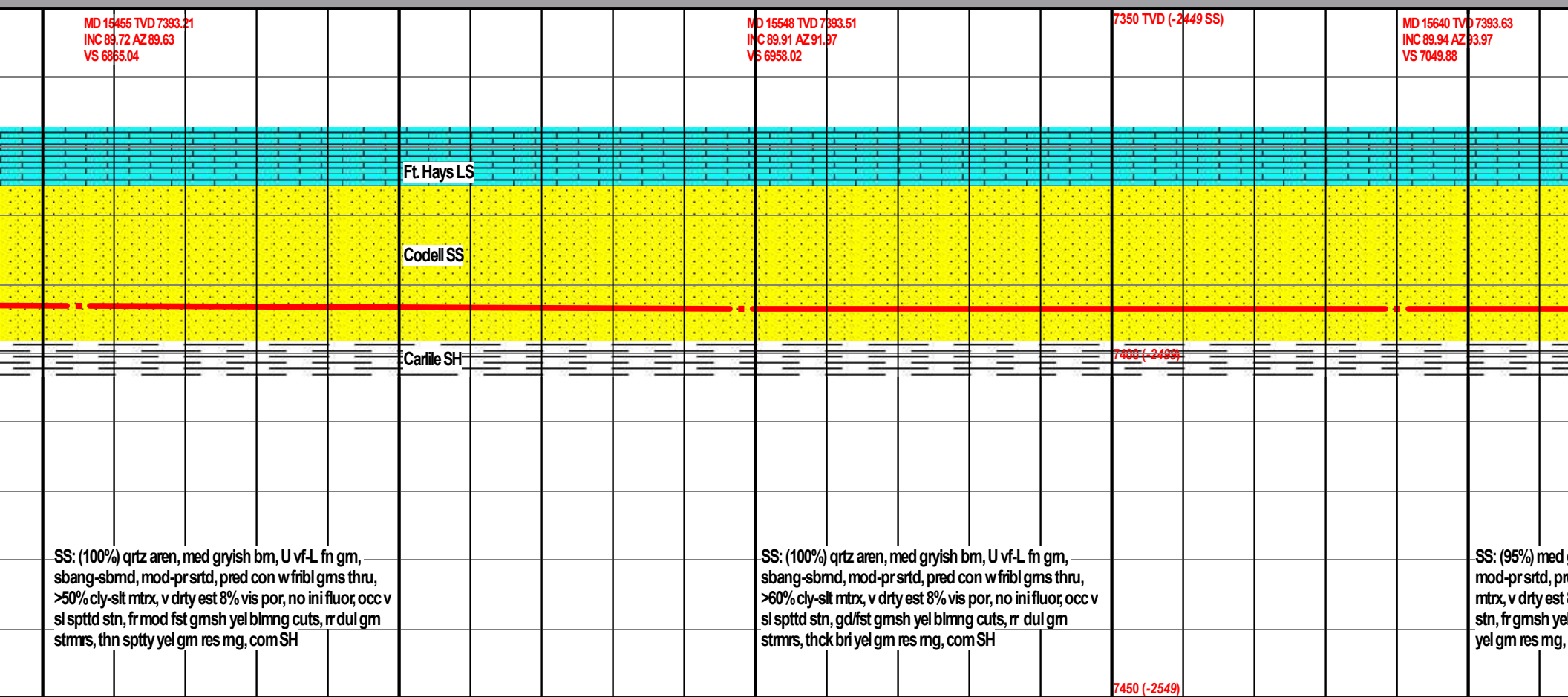


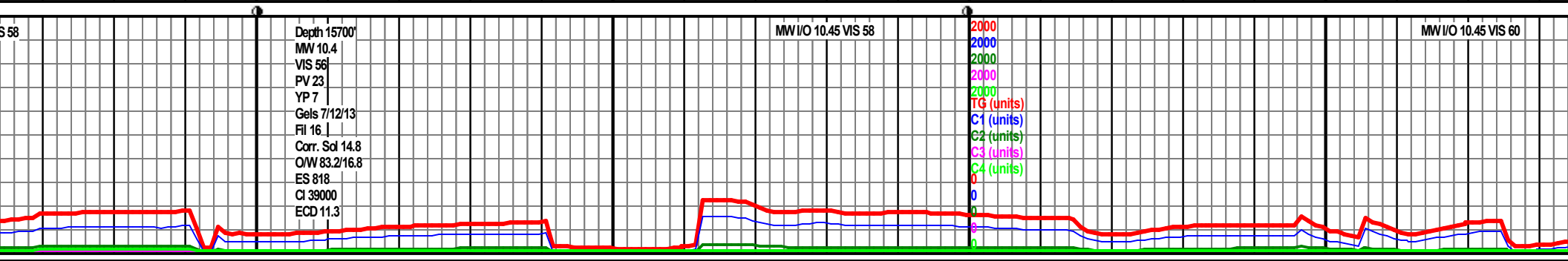
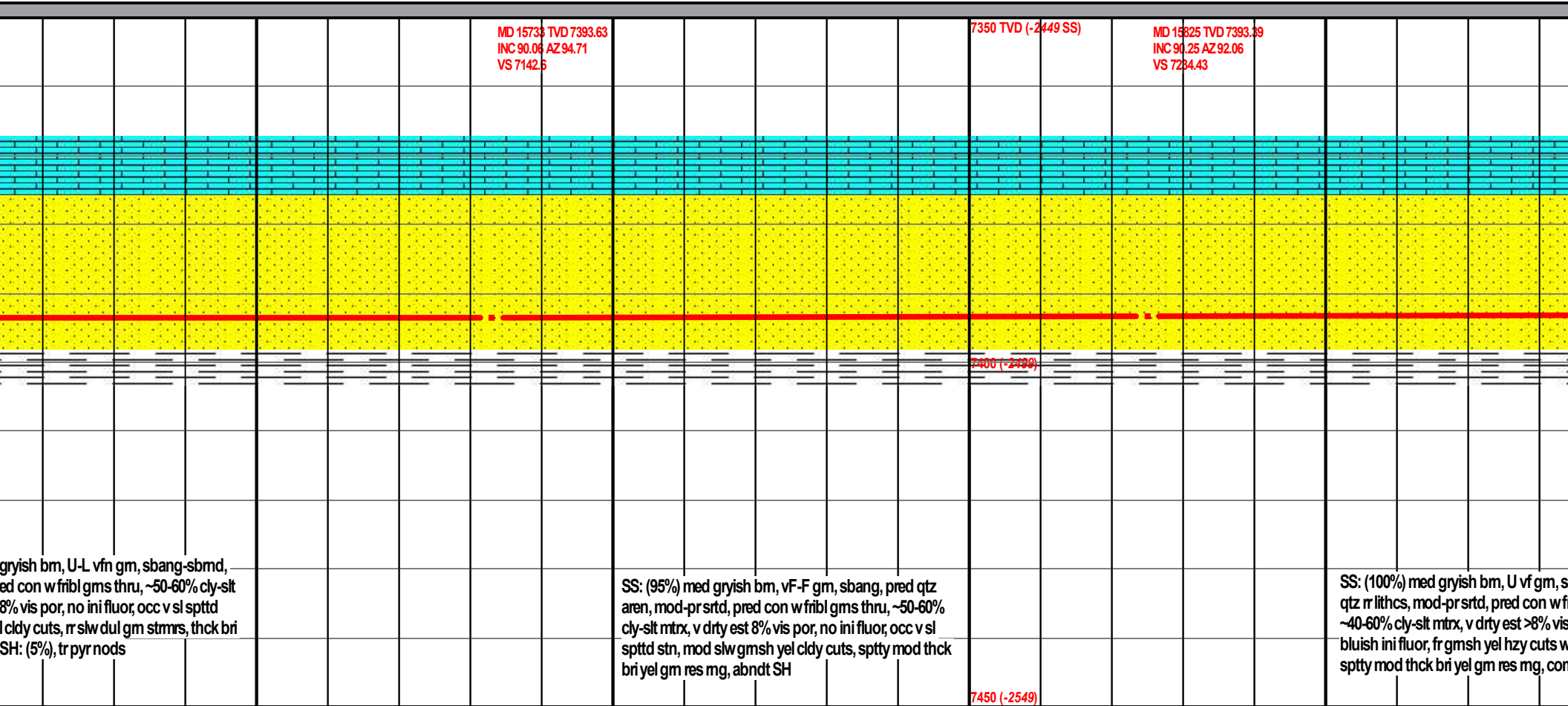
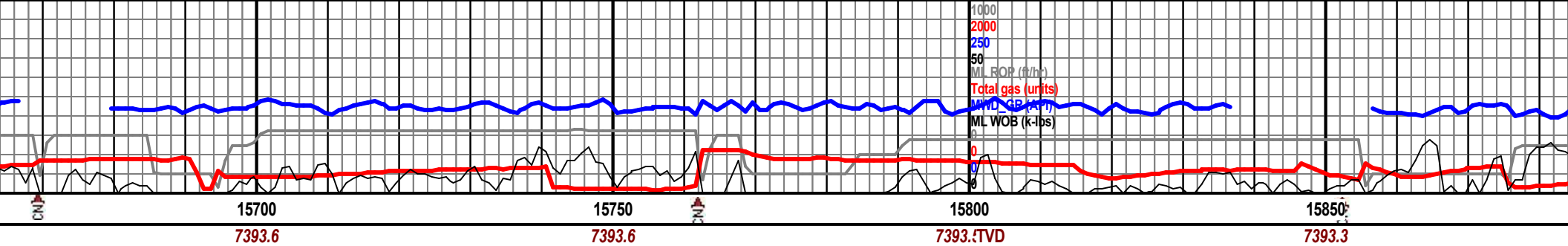
SS: (100%) qrtz aren, med gryish bm, U v-L fn gm, abndt unconsl fn gms, sbang-sbmd, mod-pr strtd, pred con w fribl gms thru, >50% cly-silt mtrix, v drty est 8% vis por, no ini fluor, occ v sl spstd strn, gd/fst gmsh yel hzy cuts, rr sl dul gm strms, gd bri yel gm res mg, abndt SH

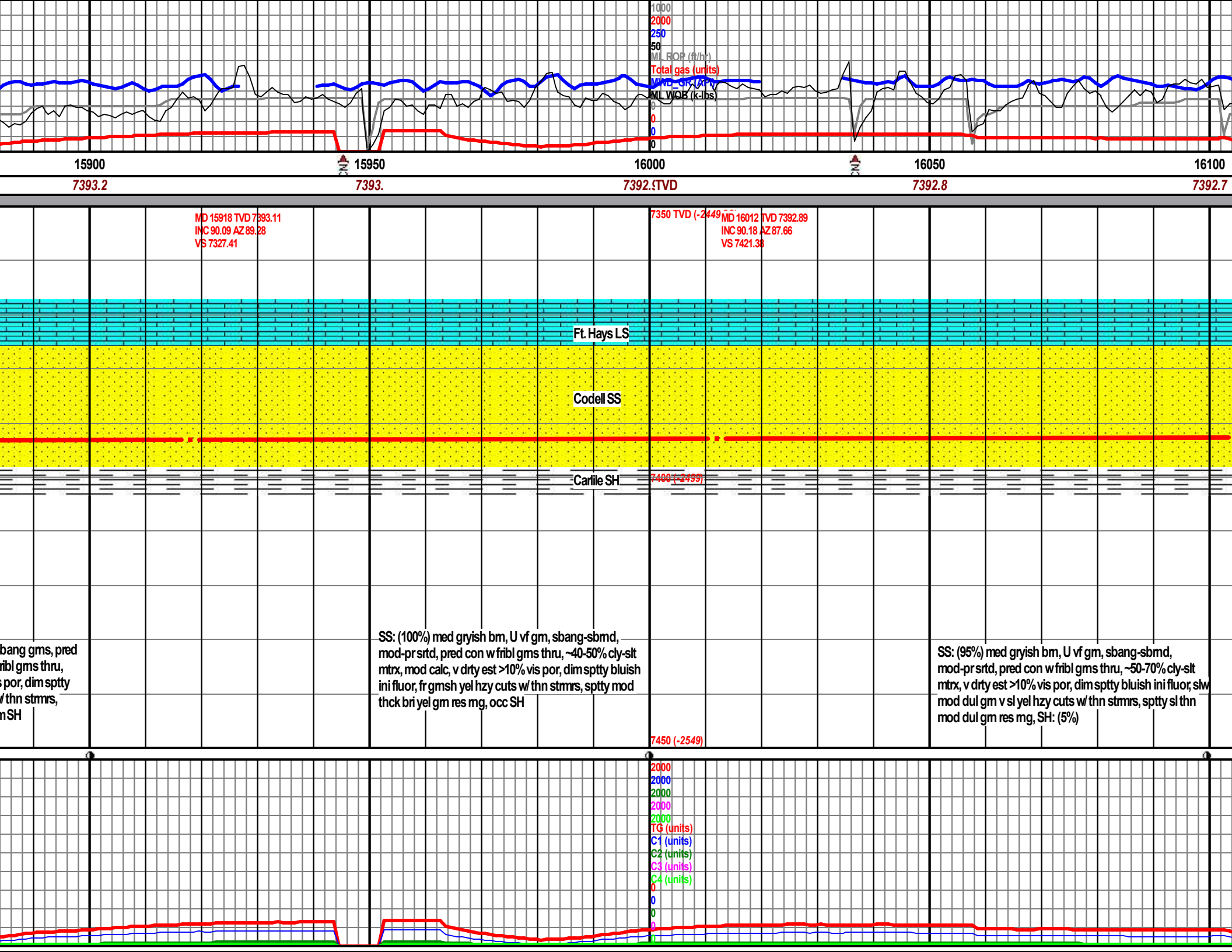
7450 (-2549)

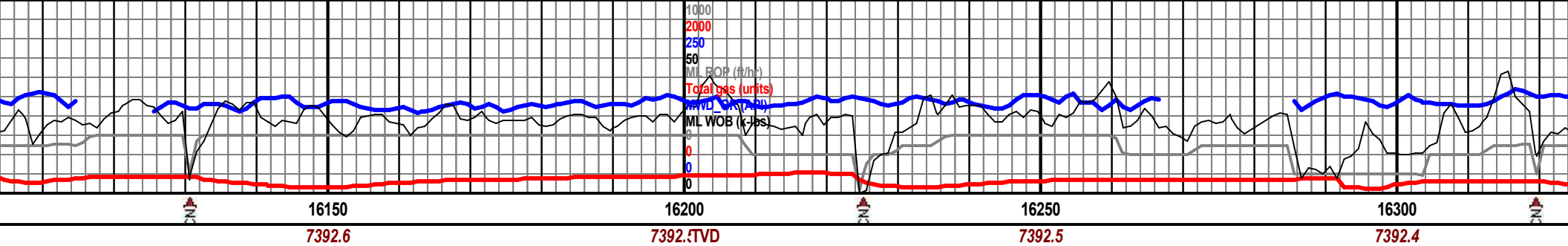


MW I/O 10.4 VIS 56





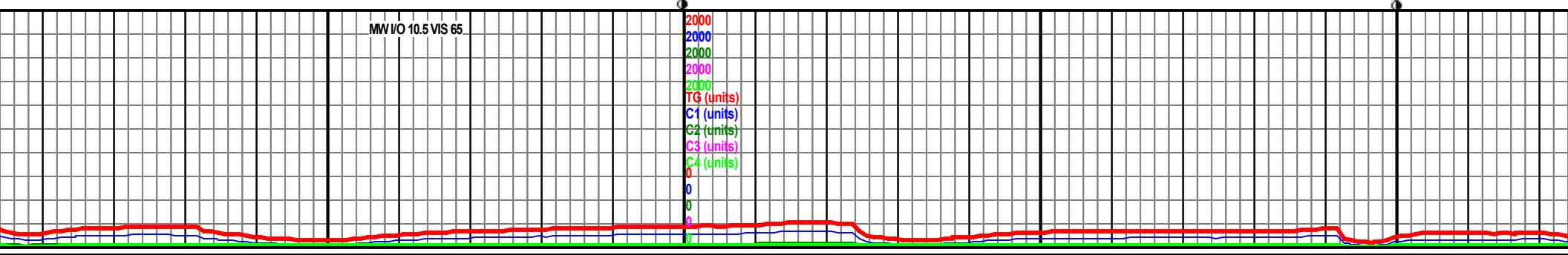
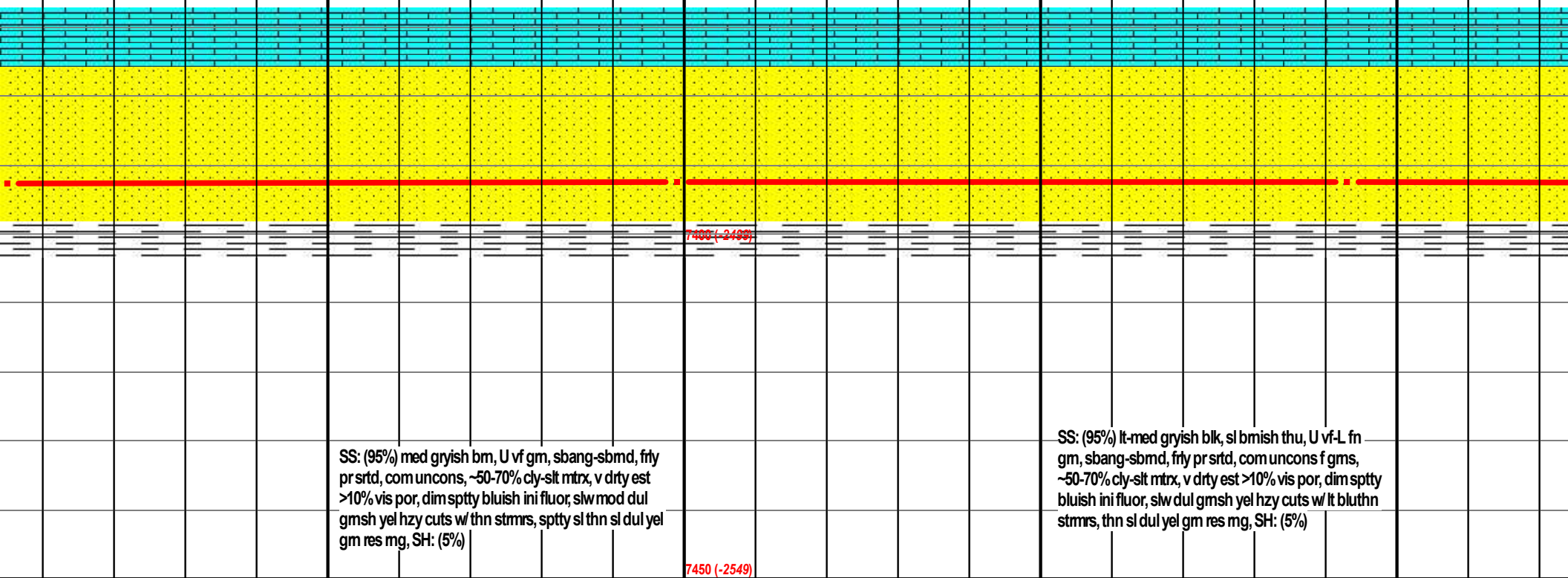


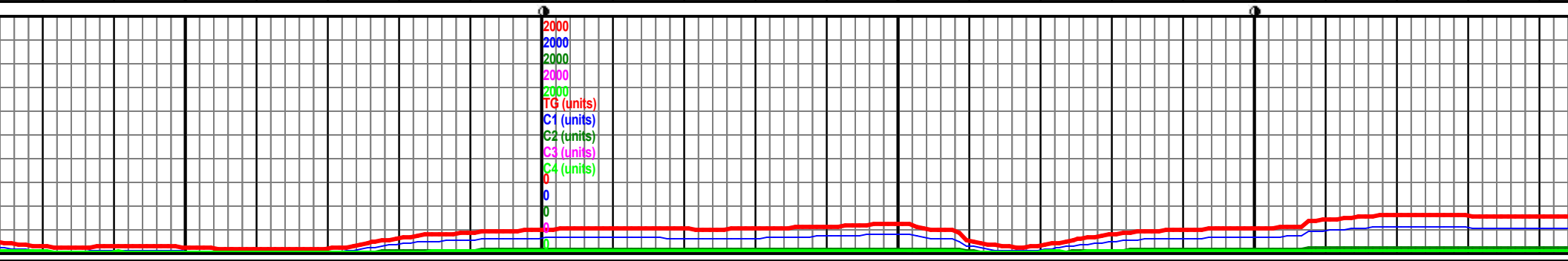
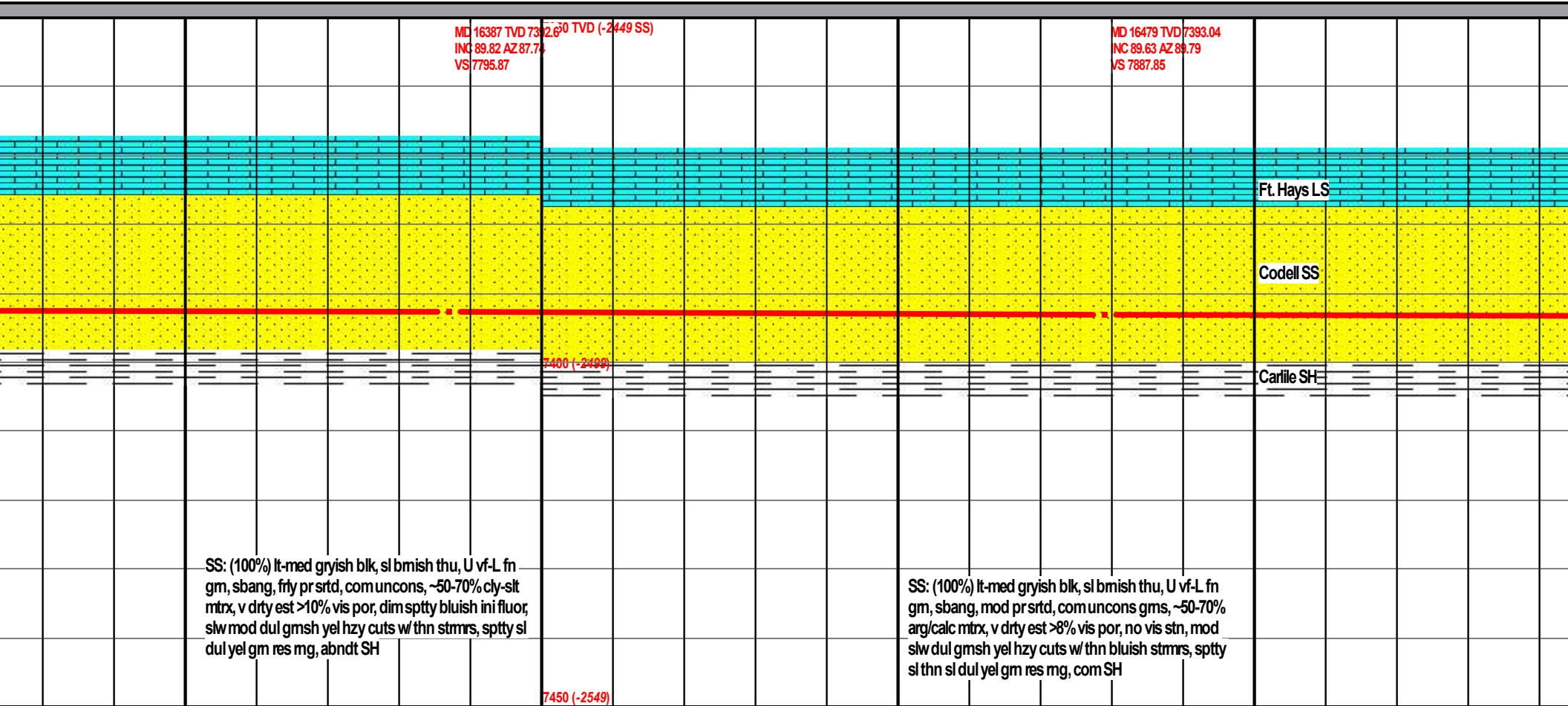
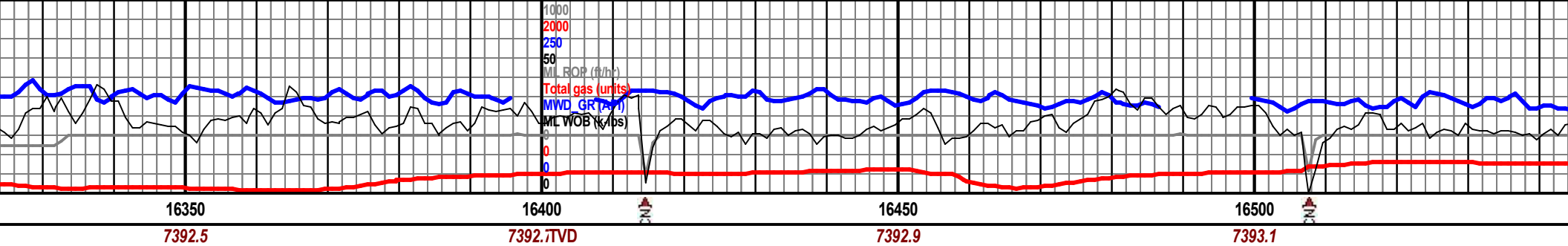


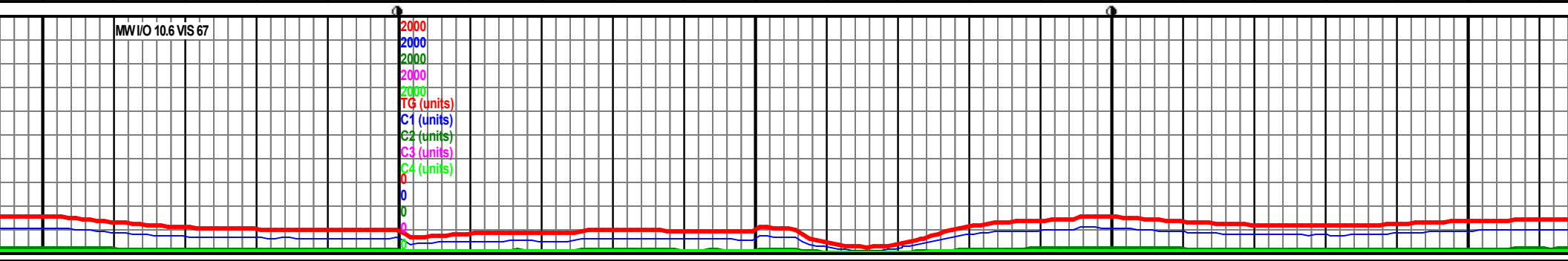
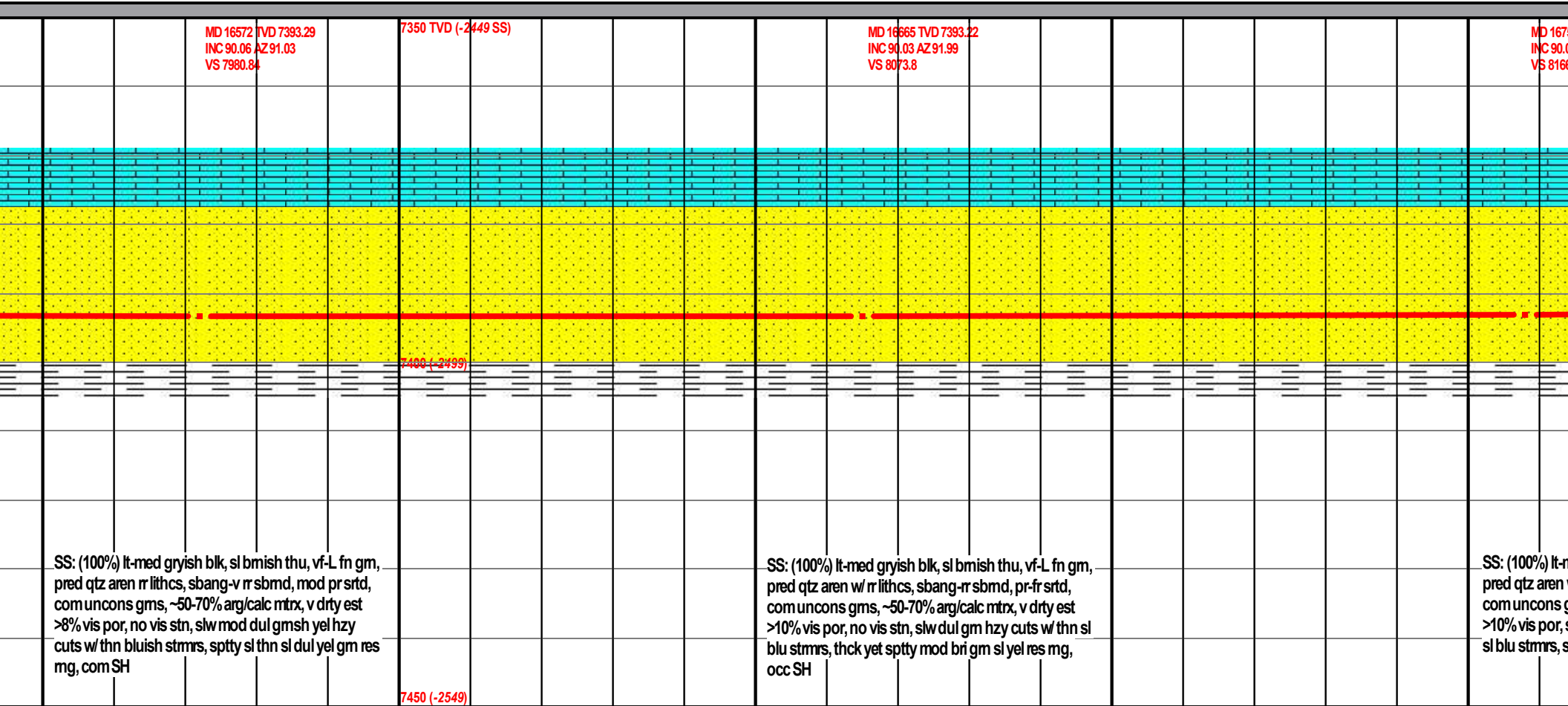
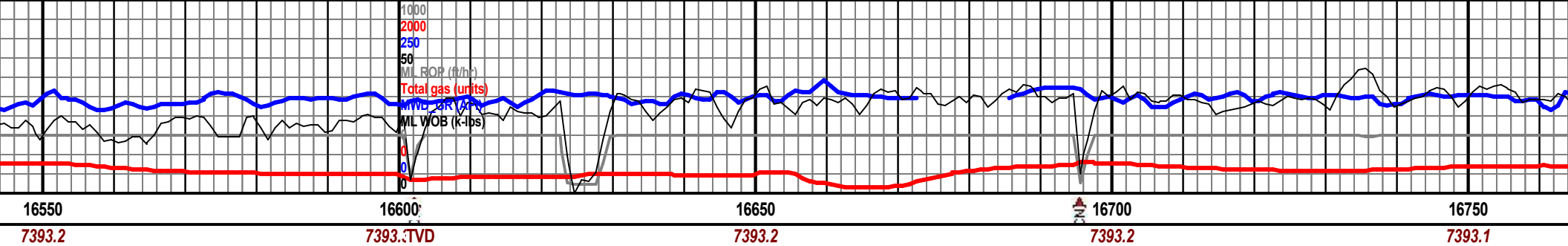
MD 16105 TVD 7392.69
INC 90.06 AZ 88.25
VS 7514.32

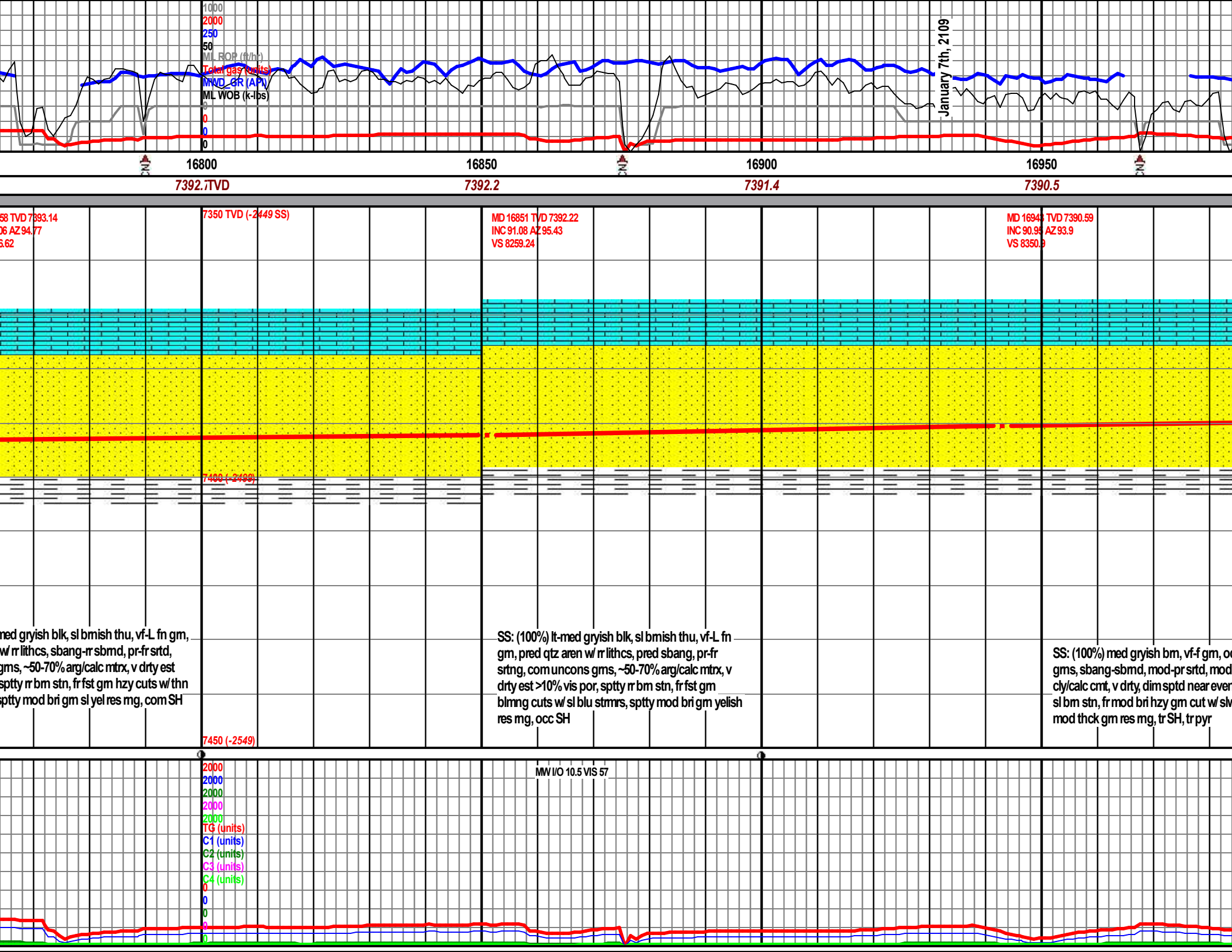
MD 16199 TVD 7392.52
INC 90.15 AZ 87.9
VS 7608.27

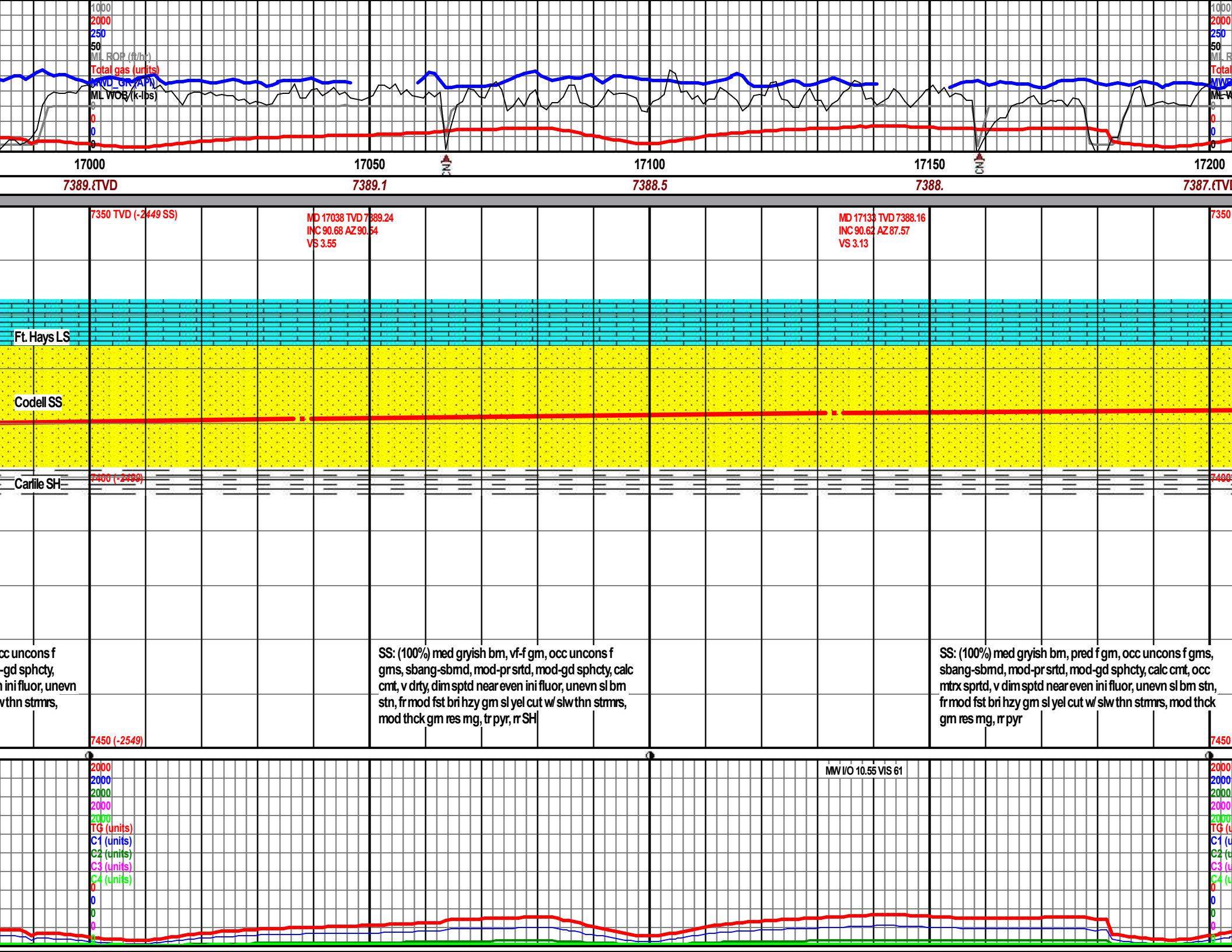
MD 16298 TVD 7392.42
INC 89.97 AZ 84.73
VS 7702.08

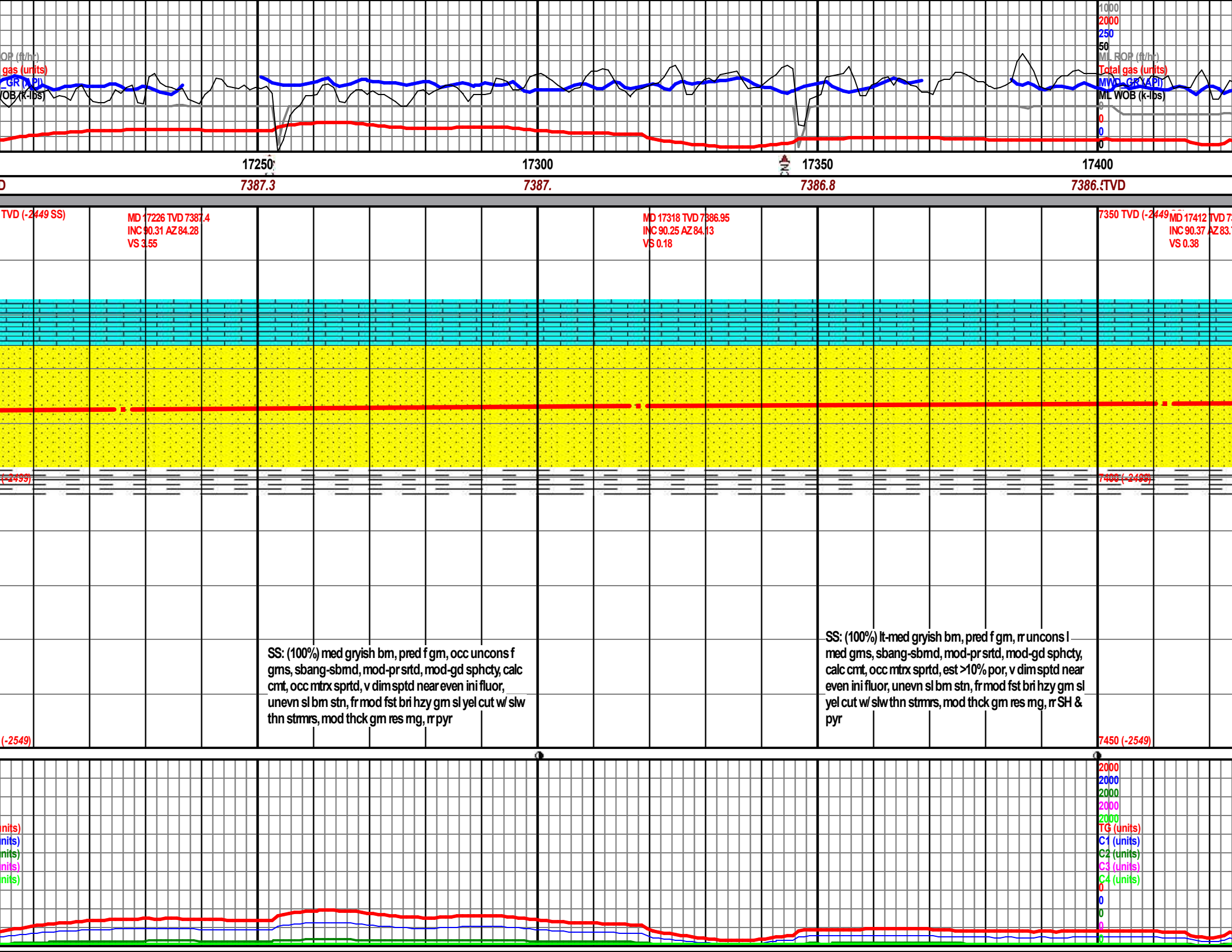


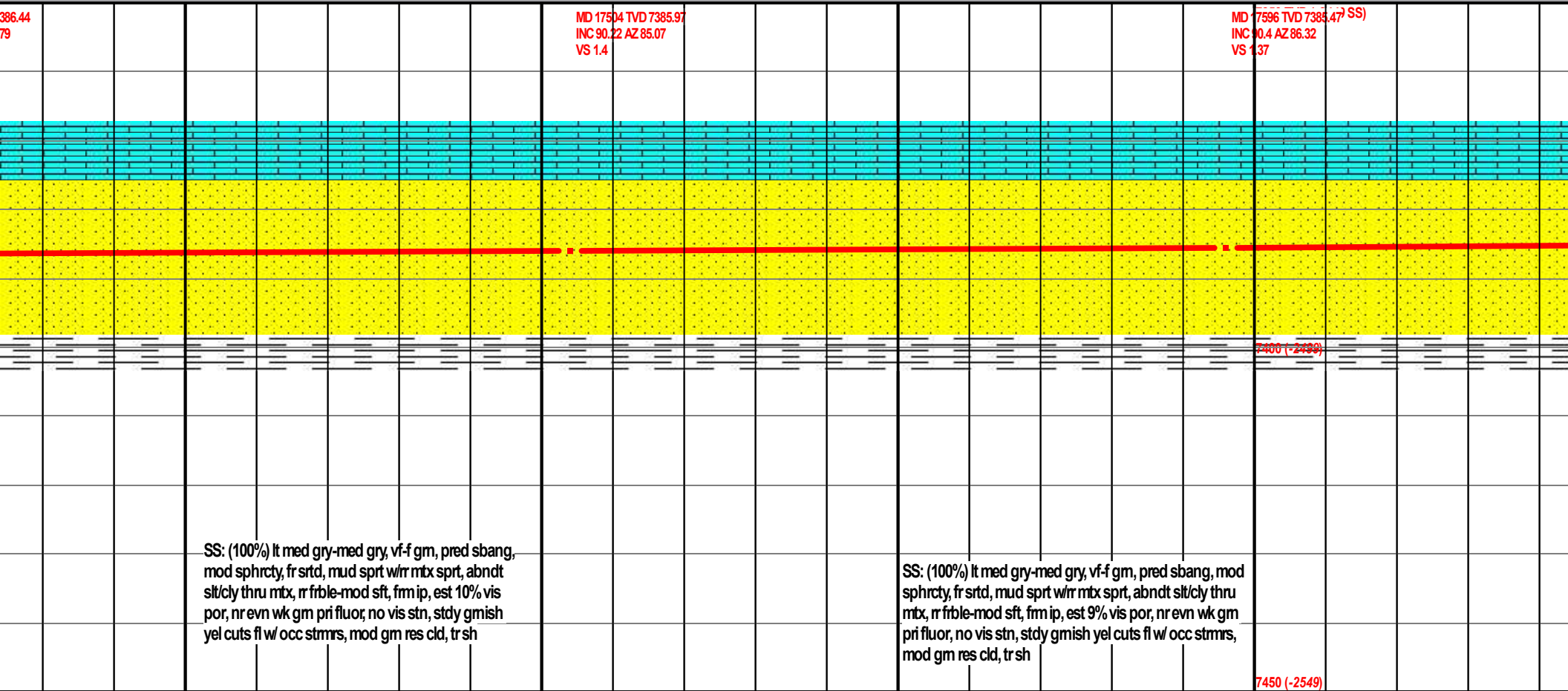
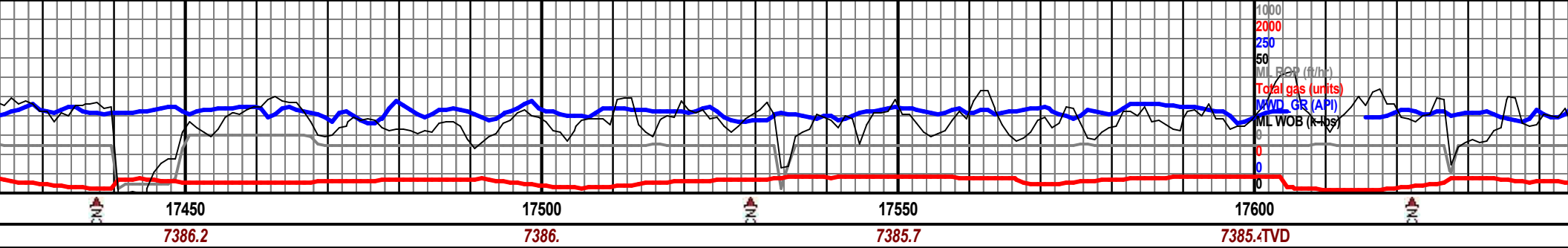






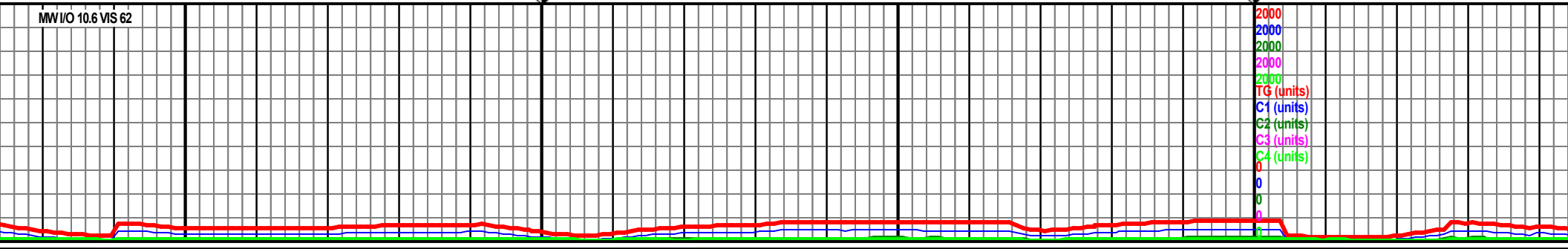


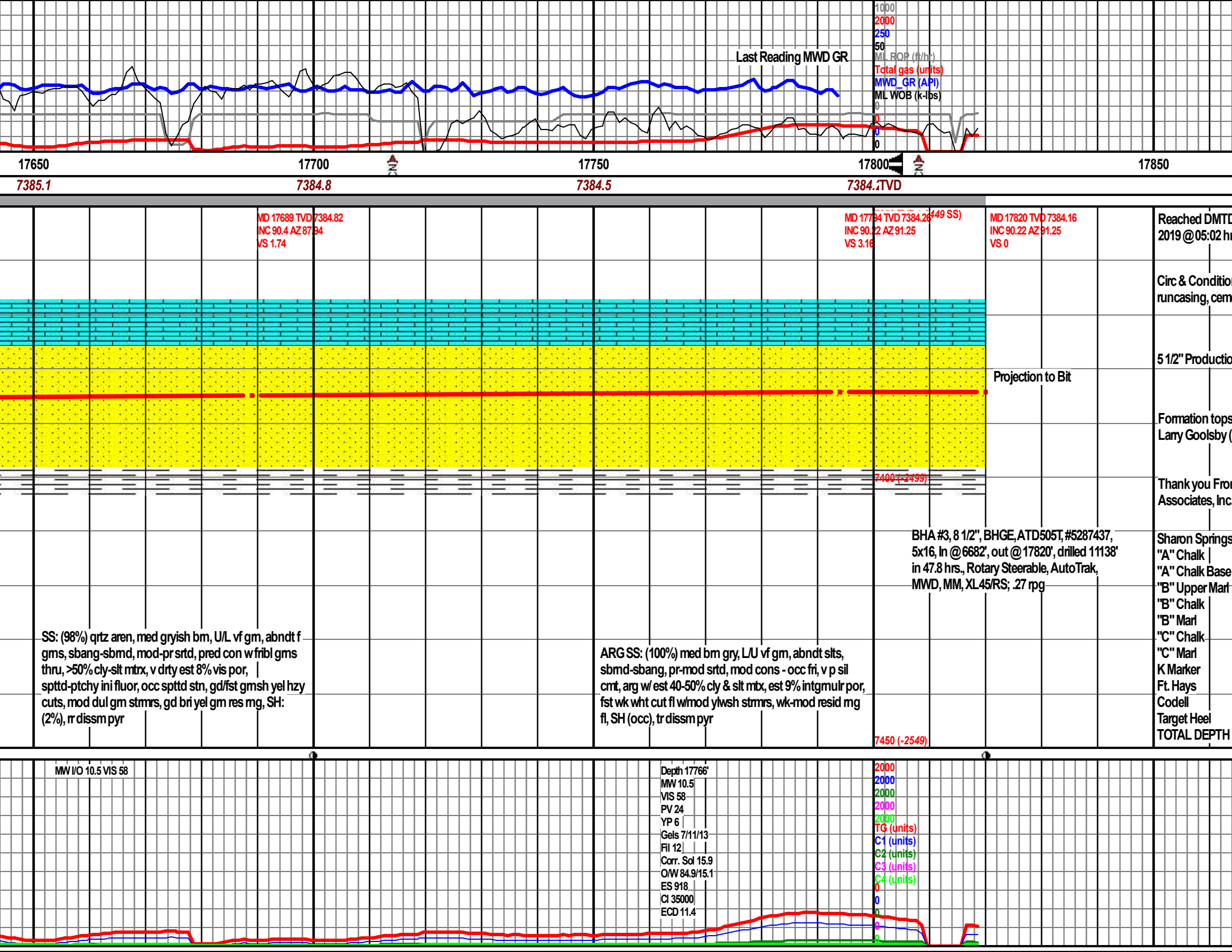




SS: (100%) lt med gry-med gry, vf-f gm, pred sbang, mod sphrcty, fr srted, mud sprt w/r mtz sprt, abndt slt/cly thru mtz, r frble-mod sft, frm ip, est 10% vis por, nr evn wk gm pri fluor, no vis stn, stdy gmish yel cuts fl w/ occ strms, mod gm res cld, tr sh

SS: (100%) lt med gry-med gry, vf-f gm, pred sbang, mod sphrcty, fr srted, mud sprt w/r mtz sprt, abndt slt/cly thru mtz, r frble-mod sft, frm ip, est 9% vis por, nr evn wk gm pri fluor, no vis stn, stdy gmish yel cuts fl w/ occ strms, mod gm res cld, tr sh





A blank grid for drawing a diagram, consisting of 10 columns and 10 rows of squares.

179

0 of 17,820' on January 7,
rs.

n Hole, Pump high vis sweeps, TOOH,
ent casing w/ foam & rotation.

on Casing Set @17,805' MD

s picked by Brian Spitzmiller & (GBA).

Tom Goolsby Brothers And

	MD	TVD	SSD
	7095'	6856'	-1955'
	7143'	6900'	-1999'
	7162'	6919'	-2018'
	7291'	7018'	-2117'
	7307'	7028'	-2127'
	7337'	7050'	-2149'
	7416'	7096'	-2195'
	7499'	7133'	-2232'
	7612'	7171'	-2270'
	7684'	7188'	-2287'
	7773'	7196'	-2295'
	7800'	7199'	-2298'
	17820'	7384'	-2483'

A large rectangular area filled with a fine grid of small squares, intended for drawing a picture.