

GREAT DIVIDE CONSULTING



Scale 1:200 Imperial
Measured Depth Log

Well Name: Benson Farms 12C-23HZ

Location: Weld County, CO.

License Number: 05123393970000

Region: DJ Basin

Spud Date: 06/13/14

Drilling Completed: 06/19/14

Surface Coordinates: 2015'FSL & 50'FWL, SEC.24, T3N-R68W

Bottom Hole Coordinates: 1720'FSL & 50'FWL, SEC.23, T3N-R68W

Ground Elevation (ft): 4973' K.B. Elevation (ft): 4989'
Logged Interval (ft): 7350' To: 13356' Total Depth (ft): 13356'

Formation: Codell

Type of Drilling Fluid: Water Base Mud

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

OPERATOR

Company: Anadarko Petroleum Corporation

Address: Granite Tower

1099 18th St., Suite 1800

Denver, CO 80202

GEOLOGIST

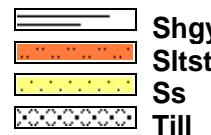
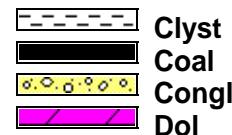
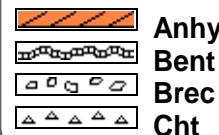
Name: Scott Crozier / Ben Thompson
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

Cores

DSTs

Comments

ROCK TYPES



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
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

SLISTRG

- Ssstrg

OTHER SYMBOLS

POROSITY
E Earthy
F Fenest
Fr Fracture
X Inter
M Moldic
O Organic
P Pinpoint

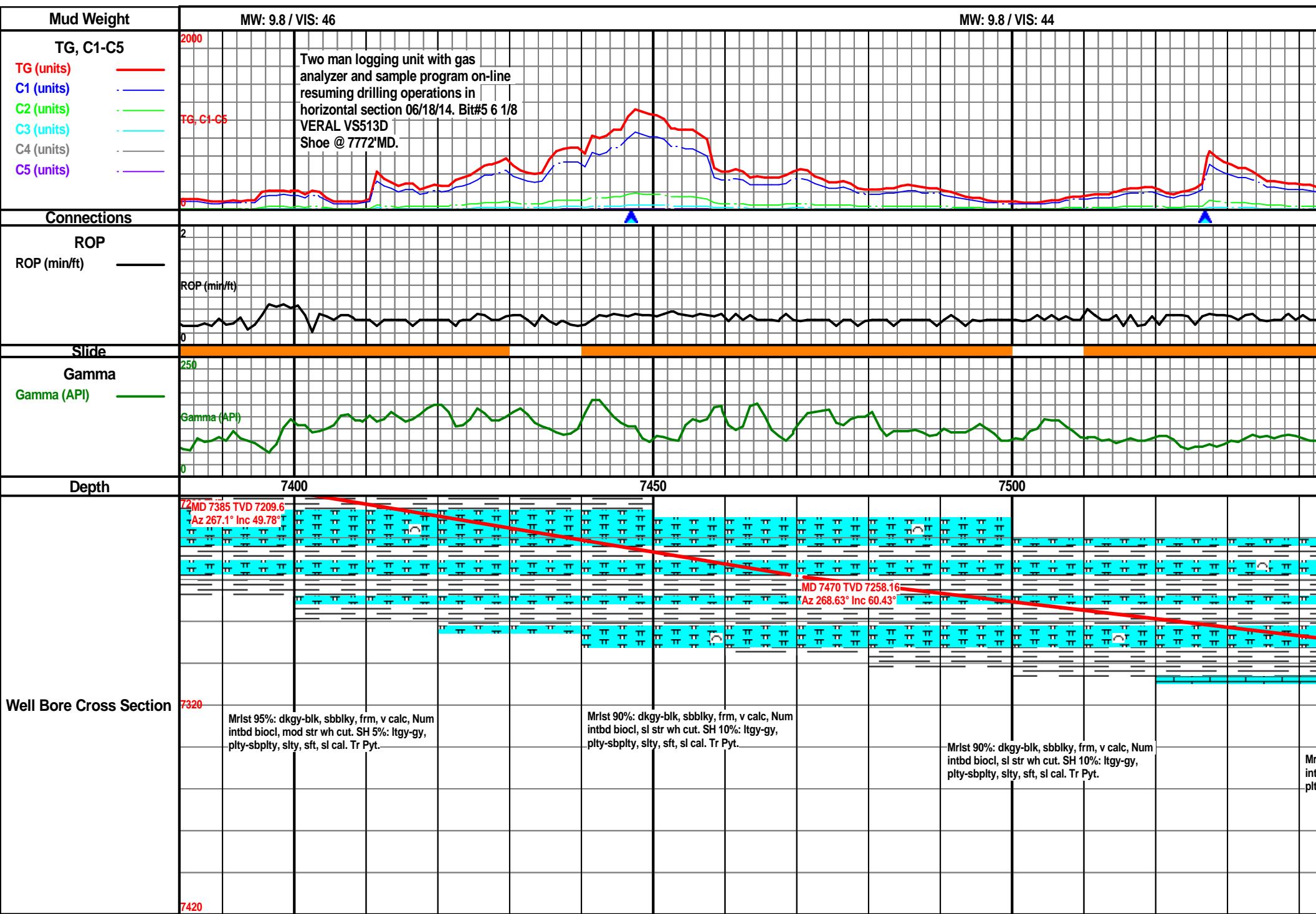
V Vuggy
SORTING
W Well
M Moderate
P Poor

ROUNDING
R Rounded
F Subrnd
S Subang
A Angular

OIL SHOW
E Even

Spotted
Ques
Dead
INTERVAL
C Core
D Dst

EVENT
Rft
Connection



MW: 9.7 / VIS: 43

MW: 9.8 / VIS: 47

2000

TG_C1-C5

2

ROP (min/ft)

250

Gamma (API)

7550

7600

7650

7700

Ft Hays Top @ 7602' MD / 7307' TVD

Codell Top @ 7693' MD / 7325' TVD

7220 TVD

Ist 85%: dkgy-blk, sbbky, frm, v cal
bd biocl, sl str wh cut. SH 15%: I
y-sbpsty, sly, sft, sl cal.

Mrlst 65%: dkgy-blk, sbbky, frm, v calc, Num
intbd biocl, sl str wh cut. SH 25%: ltgy-gv,
plty-sbpsty, sly, sft, sl cal. LS 10%: ltgy, blky,
frm-hrd, v calc, crypxln-mxln.

LS 90%: ltgy, blky, frm-hrd, v calc, crypxln-mxln,
nsf, mod milky wh cut. SH 10%: ltgy-gv,
plty-sbpsty, sly, sft, sl cal.

LS 90%: ltgy, blky, frm-hrd, v calc, crypxln-mxln,
nsf, mod milky wh cut. SH 10%: ltgy-gv,
plty-sbpsty, sly, sft, sl cal.

7420

7320

MD 7641 TVD 7316.4
Az 270.54° Inc 78.02°

MD 7714 TVD 732
Az 270.15° Inc 80.

MW: 9.3 / VIS: 43

MW: 9.3 / VIS: 43

Curve TD of 7772'MD achieved @
4:40pm 06/16/14. T.O.O.H. for
intermediate casing, B.O.B. and
drilling ahead @ 6:49am 6/18/14.

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

7750

7800

7850

7900

7220 TVD

7320

MD 7833 TVD 7339.61
Az 271.07° Inc 89.81°

7420

LS 60%: ltgy, blky, frm-hrd, v calc, crypxln-mxln,
nsf, nsfc. SS 30%: gy-dkgry-wht-clr, vfg-fg,
rnd-sub rnd, sft, md cal, carb incl, fri, nsf, slw str
wh cut. SH 10%: dkgy, pty-sbplty, slyt, grty, sft, sl
cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, slyt, grty, vs cal.

MW: 9.2 / VIS: 41

2000

Gas Show #1
8046' - 8713'

TG, C1-C5

0

ROP (min/ft)

250

Gamma (API)

0

7950

8000

8050

7220 TVD

MD 7918 TVD 7339.12
Az 271.64° Inc 90.86°

-fg, rnd-sub r
od str wh i
lky, sly, grty

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, sly, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, sly, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbplty-sbblky, sly, grty, vs cal.

7420

MD 80
Az 27

SS
mod
10%

MW: 9.2 / VIS: 41

MW: 9.2 / VIS: 41

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

8100

8150

8200

8250

7220 TVD

7320

7420

88 TVD
.15° Inc

90%: gy-dkgw-wht-clr, vfg-fg, rnd-sub r
cal, carb incl, v fri, nsf, mod str wh
10%: gy-dkgw, sft, sbpwy-sbbly, sly, grty, vs cal.

SS 90%: gy-dkgw-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgw, sft, sbpwy-sbbly, sly, grty, vs cal.

MD 8173 TVD 7336.39
Az 271.08° Inc 90.76°

MD 8258 TVD 7335.08
Az 271.76° Inc 91.01°

SS 90%: gy-dkgw-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgw, sft, sbpwy-sbbly, sly, grty, vs cal.

MW: 9.2 / VIS: 41

MW: 9.2 / VIS: 41

2000

TG, CI-C5

0

2

ROP (min/ft)

250

Gamma (API)

0

8300

8350

8400

8450

7220 TVD

7320

MD 8428 TVD 7331.57
Az 272.66° Inc 91.35°

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpnty-sbbly, slty, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpnty-sbbly, slty, grty, vs cal.

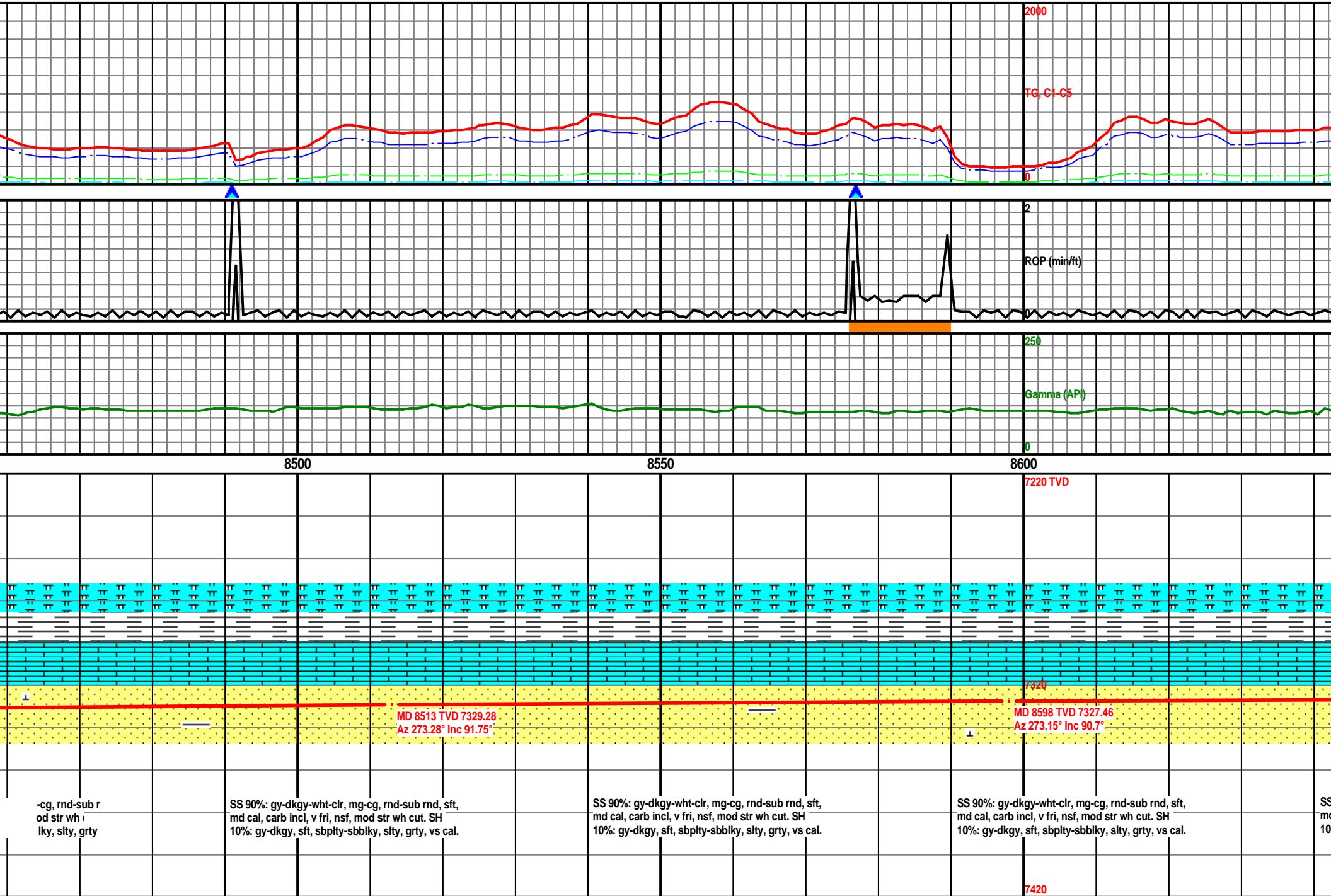
SS 90%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpnty-sbbly, slty, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, mg
md cal, carb incl, v fri, nsf, m
10%: gy-dkgry, sft, sbpnty-sbb

7420

MW: 9.2 / VIS: 41

MW: 9.2 / VIS: 43



MW: 9.2 / VIS: 43

MW: 9.2 / VIS: 43

2000

TG, C1-C5

0

2
ROP (min/ft)

250

Gamma (API)

0

8650

8700

8750

8800

7220 TVD

90%: gy-dkgw-wht-clr, mg-cg, rnd-sub r
cal, carb incl, v fri, nsf, mod str wh
%: gy-dkgw, sft, sbplty-sbbly, sly, grty

MD 8683 TVD 7326.49
Az 273.45° Inc 90.61°

SS 90%: gy-dkgw-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgw, sft, sbplty-sbbly, sly, grty, vs cal.

SS 90%: gy-dkgw-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgw, sft, sbplty-sbbly, sly, grty, vs cal.

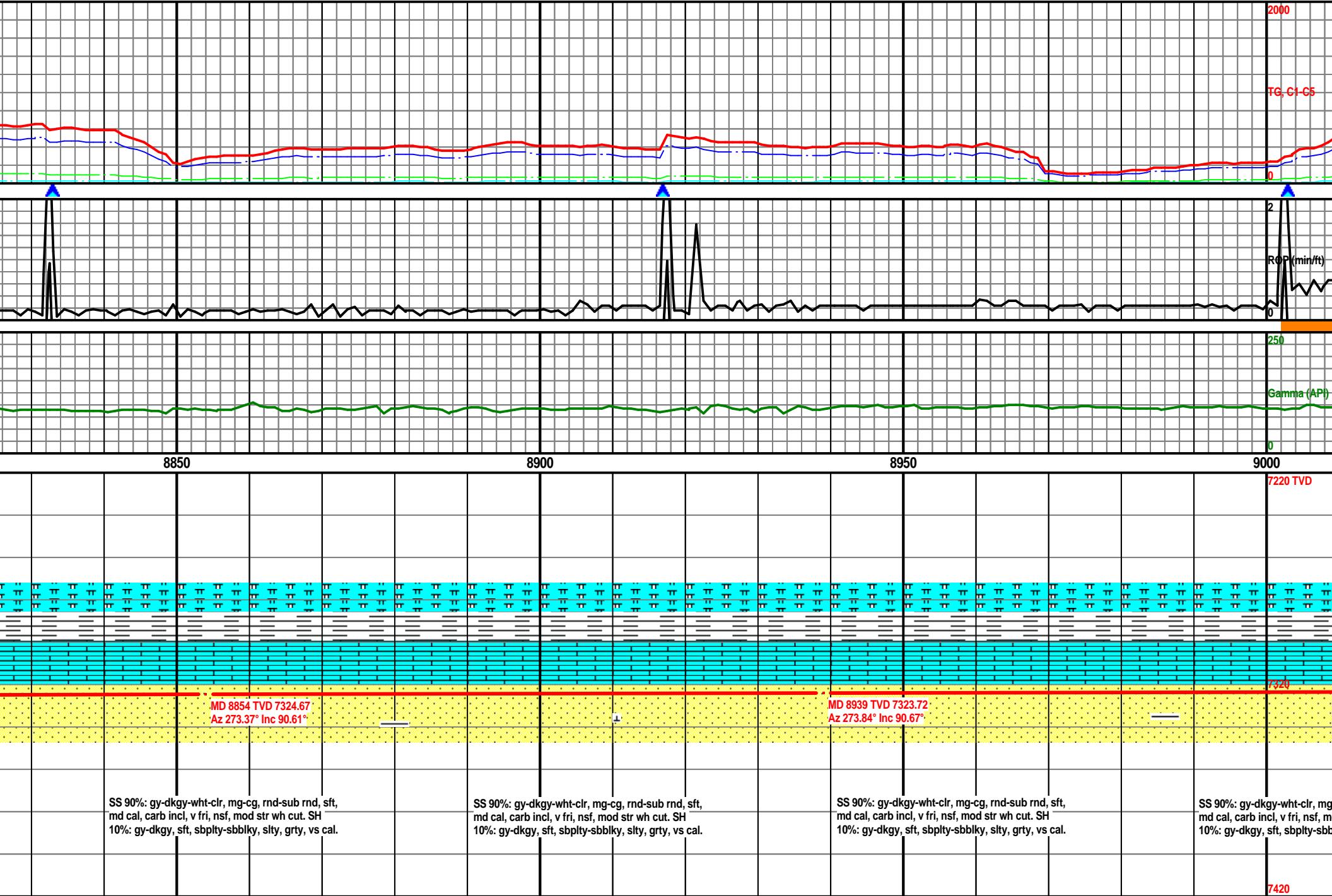
SS 90%: gy-dkgw-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgw, sft, sbplty-sbbly, sly, grty, vs cal.

7320

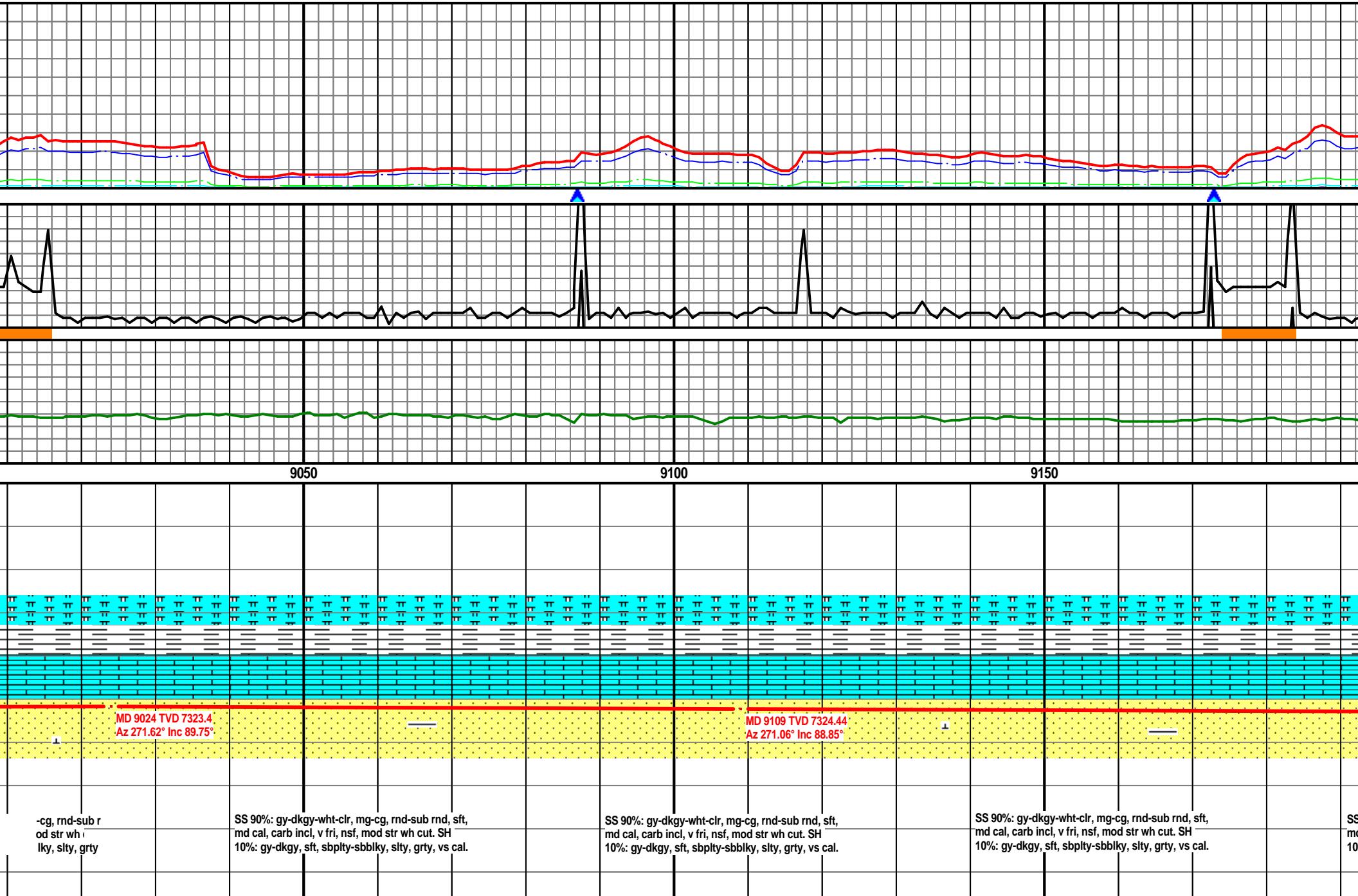
7420

MW: 9.3 / VIS: 41

MW: 9.3 / VIS: 41

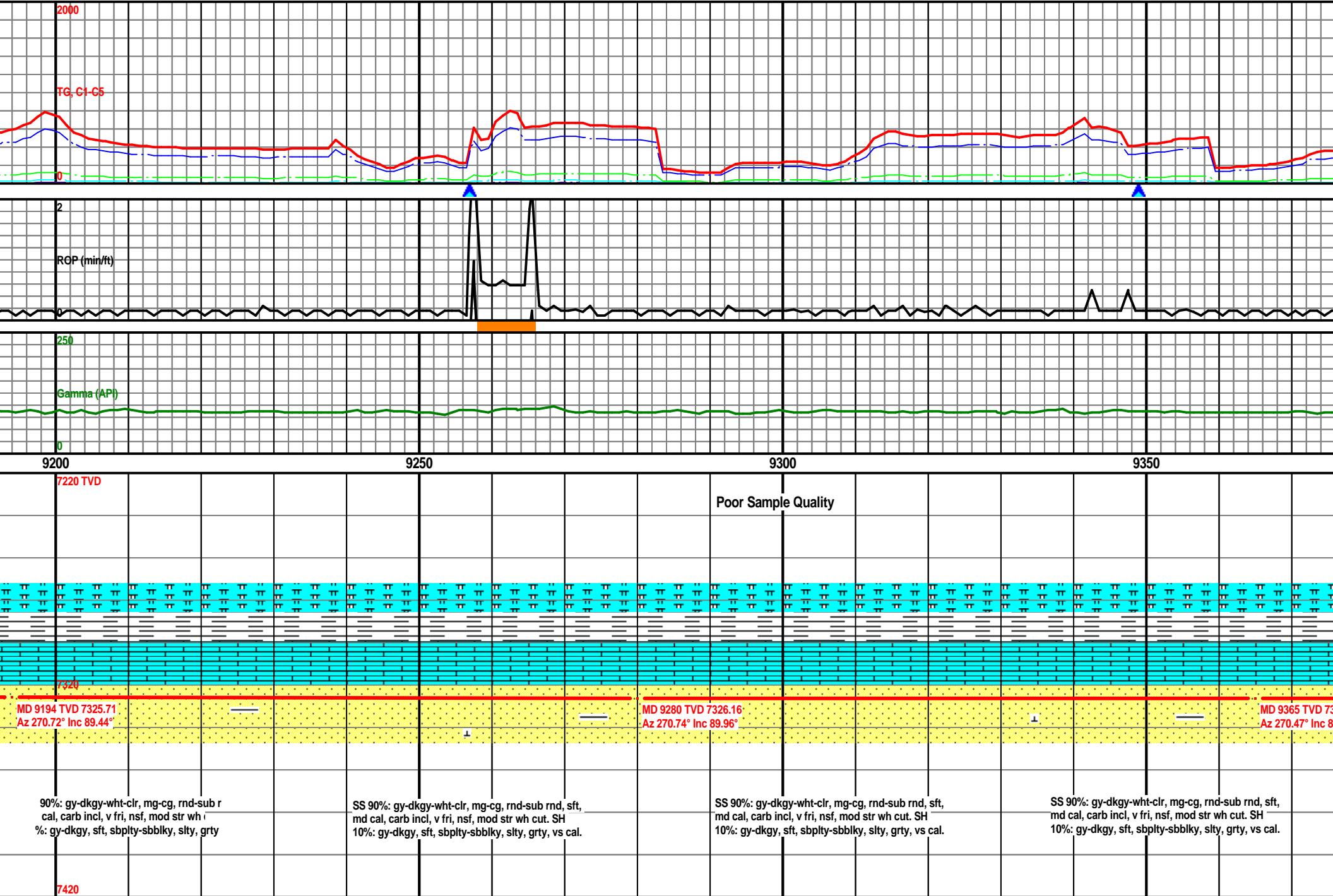


MW: 9.3 / VIS: 41



MW: 9.3 / VIS: 41

MW: 9.3 / VIS: 41



MW: 9.3 / VIS: 47

MW: 9.3 / VIS: 47

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

9400

9450

9500

9550

7220 TVD

Polymer Additive - Poor Sample Quality

Polymer Additive - Poor Sample Quality

SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpnty-sbbly, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpnty-sbbly, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpnty-sbbly, slty, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpnty-sbbly, slty, grty, vs cal.

7420

MD 9450 TVD 7326.36
Az 270.78° Inc 90.03°

MW: 9.3 / VIS: 47

MW: 9.3 / VIS: 47

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

9600

9650

9700

7220 TVD
Improved Sample Quality

7320

MD 9621 TVD 7326.5
Az 270.58° Inc 89.88°cg, rnd-sub r
d str wh
lky, slyt, grtySS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbplt-sbblkly, slyt, grty, vs cal.SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbplt-sbblkly, slyt, grty, vs cal.SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbplt-sbblkly, slyt, grty, vs cal.SS 90%:
md cal, c
10%: gy-

7420

MW: 9.2 / VIS: 45

MW: 9.2 / VIS: 45

2000

TG_C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

9750

9800

9850

9900

7220 TVD

7320

gy-dkgry-wht-clr, mg-cg, rnd-sub r
arb incl, v fri, nsf, mod str wh
dkgy, sft, sbpsty-sbbkly, slyt, grty

SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbkly, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbkly, slyt, grty, vs cal.

MD 9791 TVD 7325.9
Az 270.5° Inc 90.52°

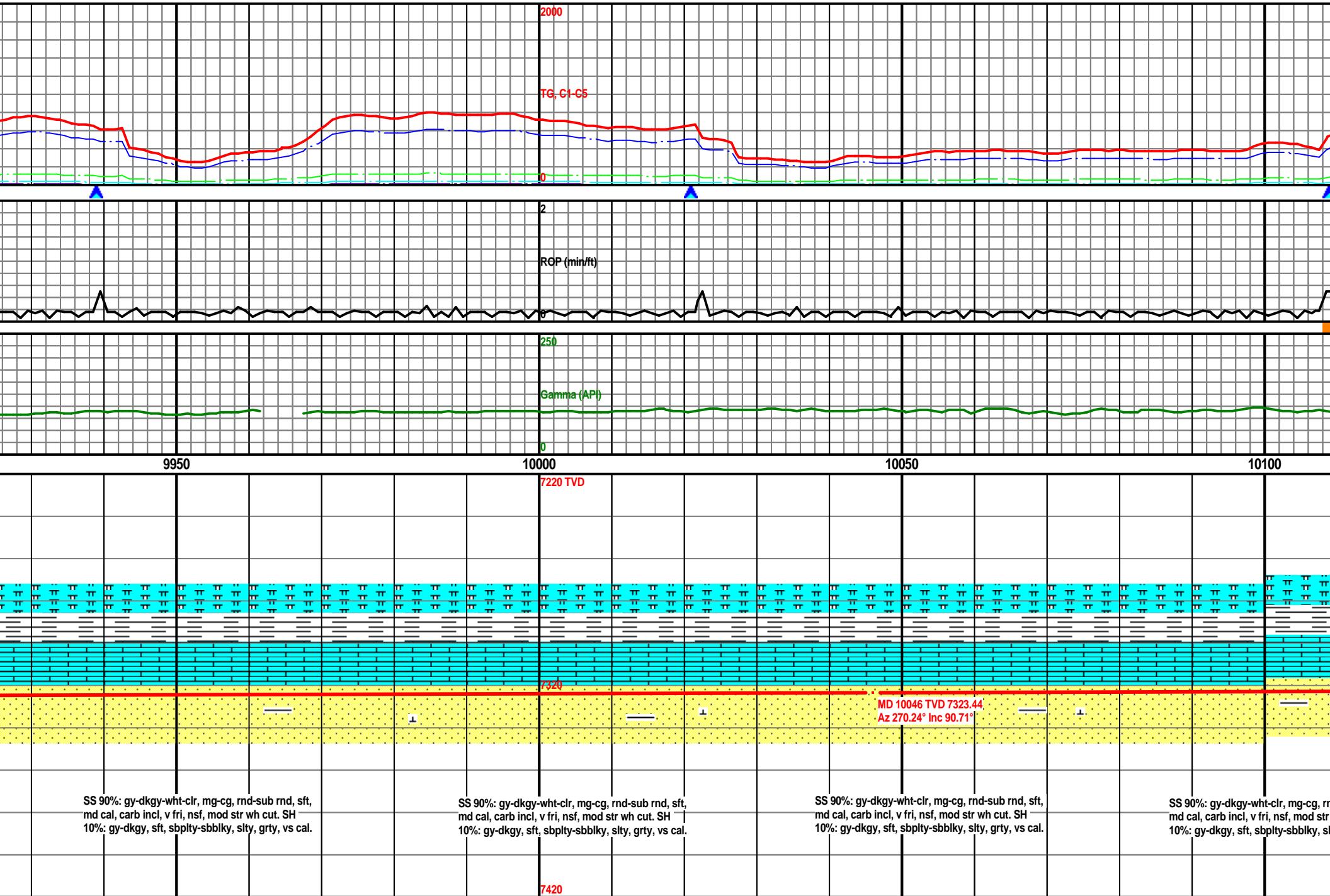
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Az 270.31° Inc 90.46°

7420

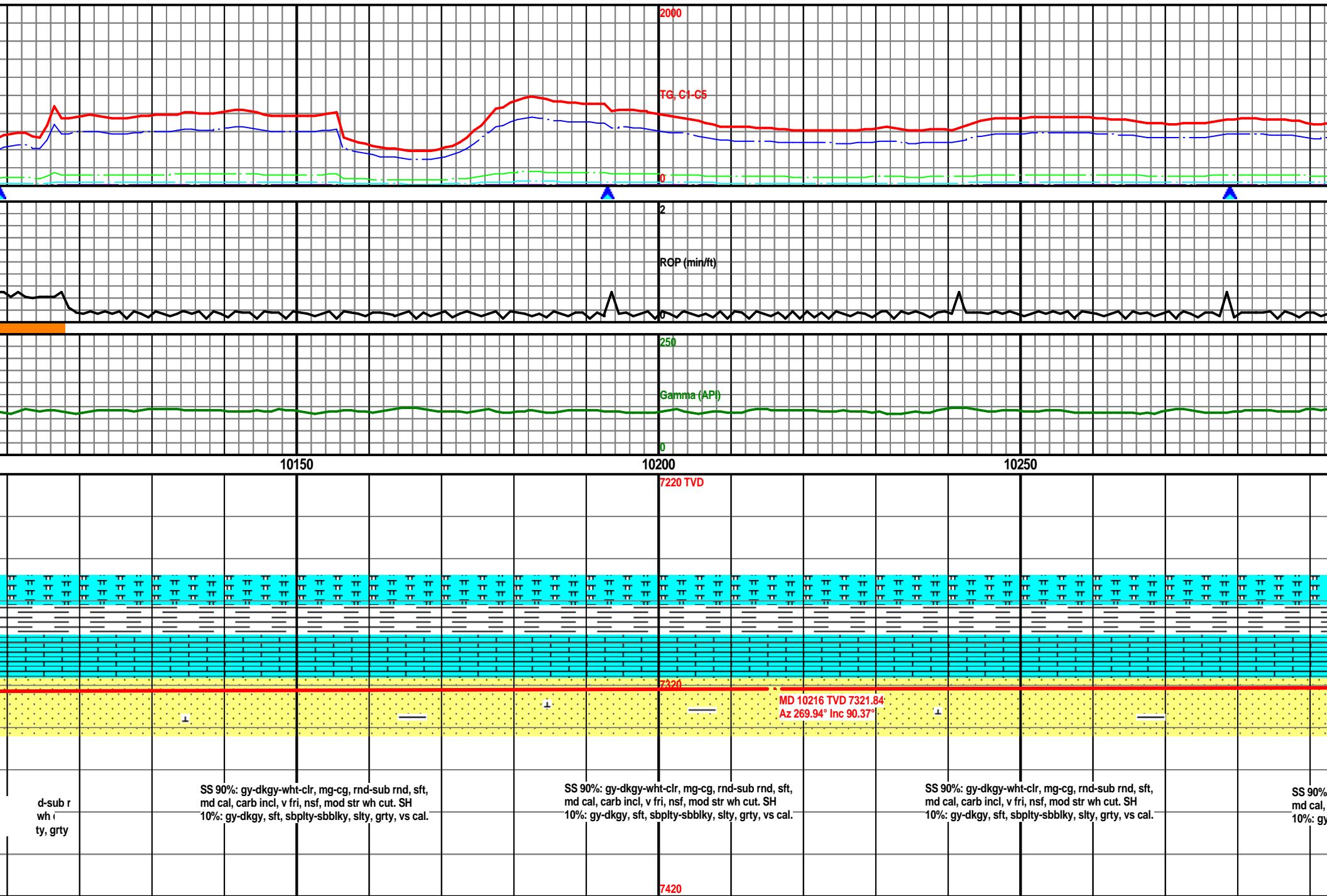
SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbkly, slyt, grty, vs cal.

MW: 9.2 / VIS: 45

MW: 9.2 / VIS: 45



MW: 9.2 / VIS: 45



MW: 9.2 / VIS: 42

MW: 9.2 / VIS: 42

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

10300

10350

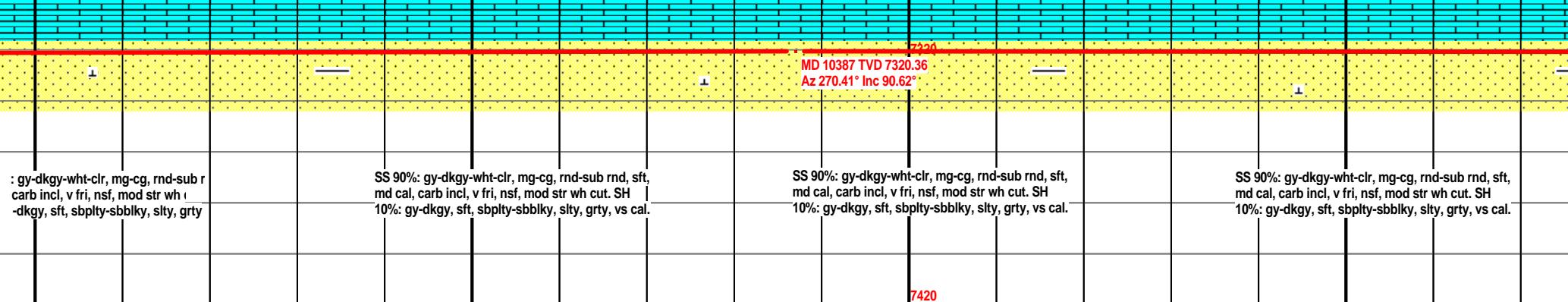
10400

10450

7220 TVD

7220
MD 10387 TVD 7320.36
Az 270.41° Inc 90.62°

7420



MW: 9.2 / VIS: 42

MW: 9.2 / VIS: 42

Gas Show #2
10570' - 10993'

2000

TG, CJ-C5

2

ROP (min/ft)

250

Gamma (API)

10500

10550

10600

10650

7220 TVD

7220

MD 10642 TVD 7320.94
Az 271.06° Inc 89.57°

SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpfty-sbbly, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpfty-sbbly, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpfty-sbbly, slyt, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, mg-cg,
md cal, carb incl, v fri, nsf, mod
10%: gy-dkgry, sft, sbpfty-sbbly,

7420

MW: 9.2 / VIS: 42

MW: 9.2 / VIS: 42

2000

TG, C1-C5

0

2

ROP (min/ft)

250

Gamma (API)

0

10700

10750

10800

7220 TVD

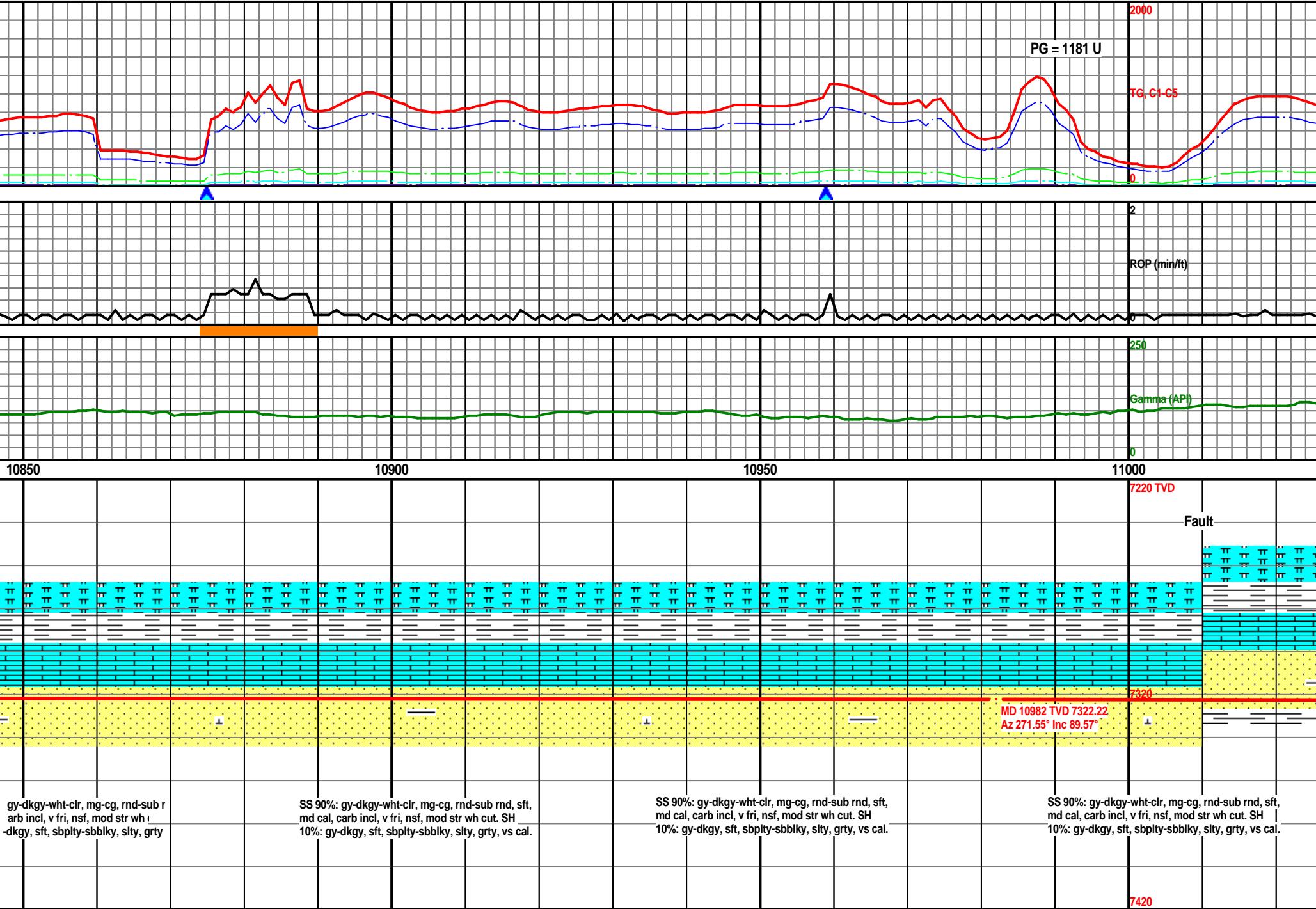
7320

MD 10812 TVD 7321.58
Az 271.48° Inc 90°g, rnd-sub r
str wh i
y, sly, grtySS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpsty-sbblky, sly, grty, vs cal.SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpsty-sbblky, sly, grty, vs cal.SS 90%: gy-dkgy-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgy, sft, sbpsty-sbblky, sly, grty, vs cal.SS 90%
md cal,
10%: gy

7420

MW: 9.2 / VIS: 42

MW: 9.2 / VIS: 42



MW: 9.4 / VIS: 42

MW: 9.4 / VIS: 42

2000

TG, CI-C5

2

ROP (min/ft)

250

Gamma (API)

0

11050

11100

11150

11200

7220 TVD

7320

MD 11067 TVD 7322.74
Az 271.86° Inc 89.72°

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpity-sbbly, sly, grty, vs cal.

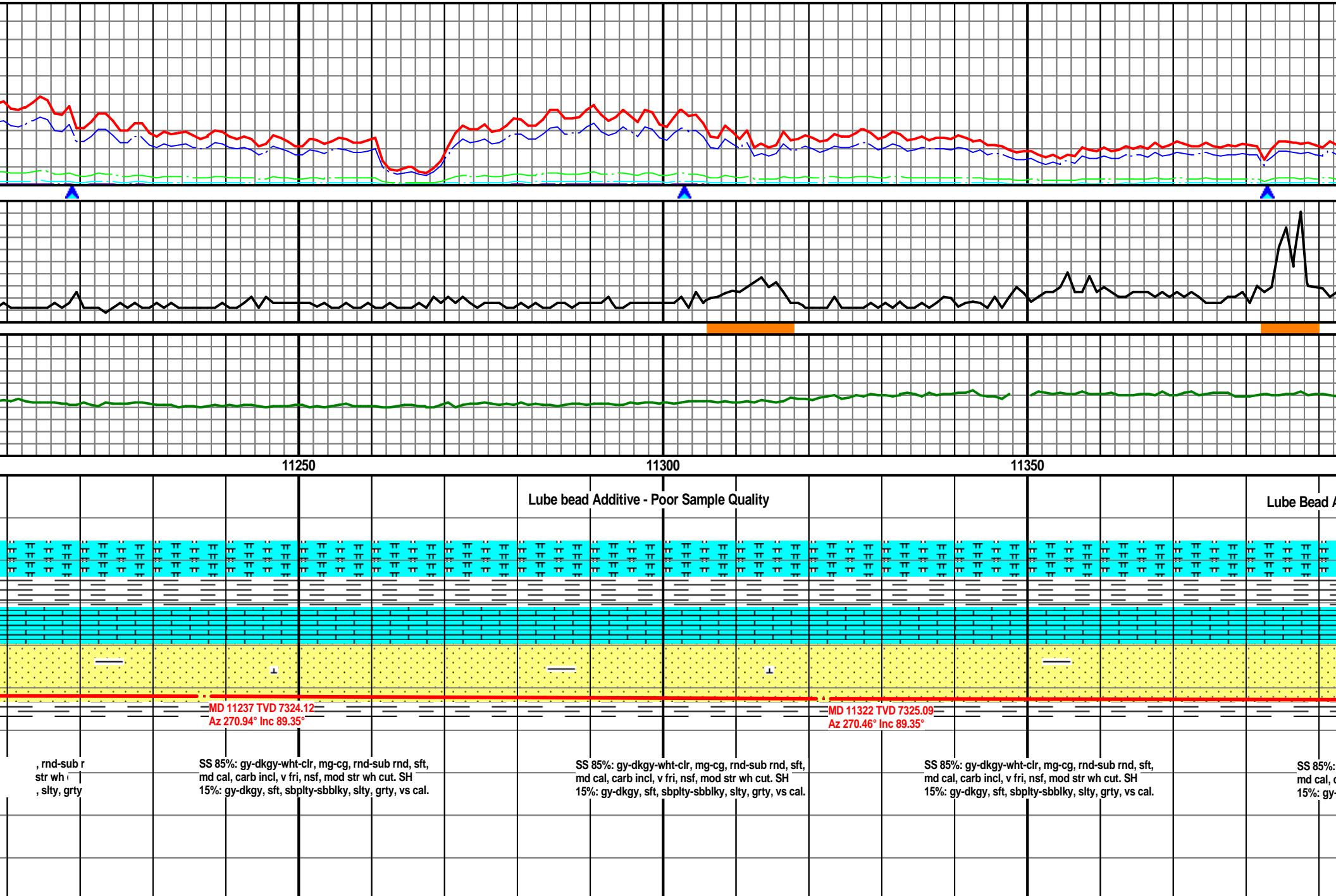
SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpity-sbbly, sly, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpity-sbbly, sly, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, mg-cg,
md cal, carb incl, v fri, nsf, mod
15%: gy-dkgry, sft, sbpity-sbbly

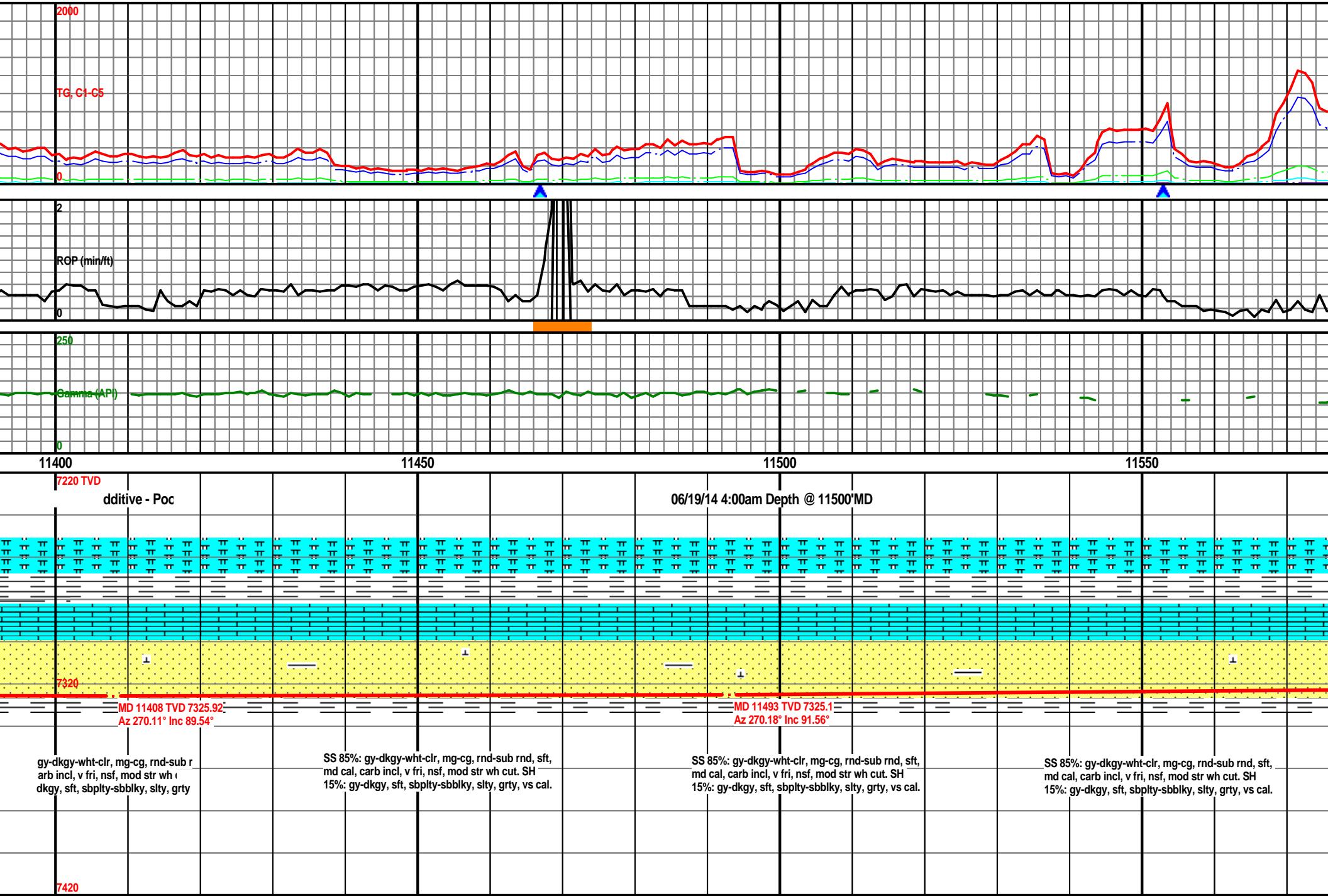
7420

MW: 9.3 / VIS: 45



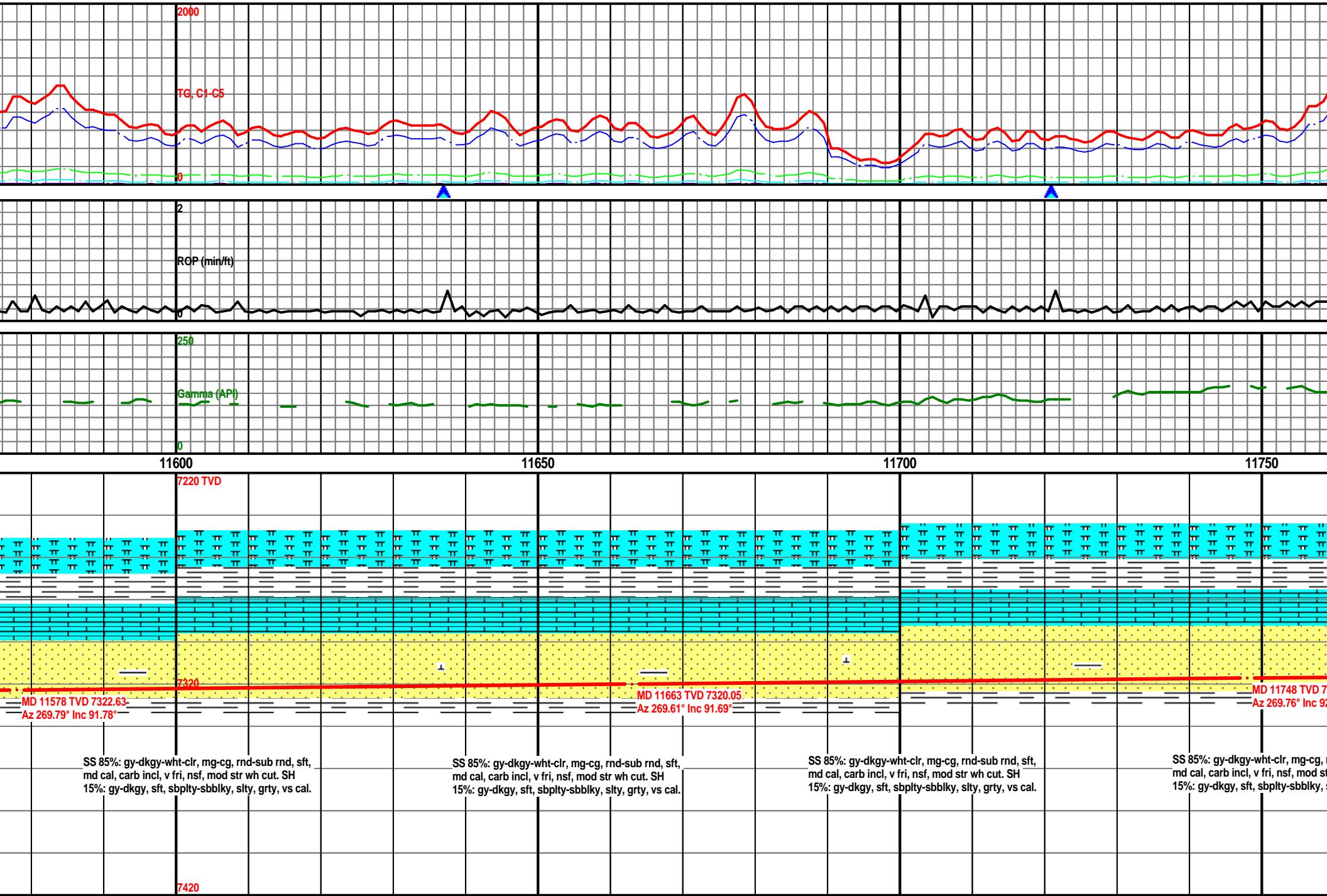
MW: 9.3 / VIS: 45

MW: 9.2 / VIS: 45



MW: 9.2 / VIS: 45

MW: 9.2 / VIS: 45



MW: 9.2 / VIS: 42

MW: 9.2 / VIS: 42

2000

TG, C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

11800

11850

11900

7220 TVD

7320

MD 11833 TVD 7314.6
Az 269.5° Inc 91.66°MD 11918 TVD 7312.53
Az 269.19° Inc 91.13°

7420

nd-sub r
r wh i
lty, grtySS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpfty-sbbly, sly, grty, vs cal.SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpfty-sbbly, sly, grty, vs cal.SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpfty-sbbly, sly, grty, vs cal.SS 85%:
md cal, ca
15%: gy-d

MW: 9.3 / VIS: 47

MW: 9.3 / VIS: 47

2000

TG_C1-C5

2

ROP (min/ft)

250

Gamma (API)

0

11950

12000

12050

12100

7220 TVD

y-dkgry-wht-clr, mg-cg, rnd-sub r
rb incl, v fri, nsf, mod str wh
kgy, sft, sbplty-sbblky, slty, grty

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbplty-sbblky, slty, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbplty-sbblky, slty, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbplty-sbblky, slty, grty, vs cal.

7420

732

MD 12002 TVD 7310.94
Az 269.35° Inc 91.04°

MD 12087 TVD 7309.76
Az 269.14° Inc 90.55°

MW: 9.3 / VIS: 47

MW: 9.3 / VIS: 47

Gas Show #3
12180' - 13257'

2000

TG, C1-C5

0

2

ROP (min/ft)

250

Gamma (API)

0

12150

12200

12250

12300

7220 TVD

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpnty-sbbly, slyt, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, mg-cg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpnty-sbbly, slyt, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, vfg-fg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpnty-sbbly, slyt, grty, vs cal.

SS 85%: gy-dkgry-wht-clr, vfg-fg, r
md cal, carb incl, v fri, nsf, mod str wh cut. SH
15%: gy-dkgry, sft, sbpnty-sbbly, slyt, grty, vs cal.

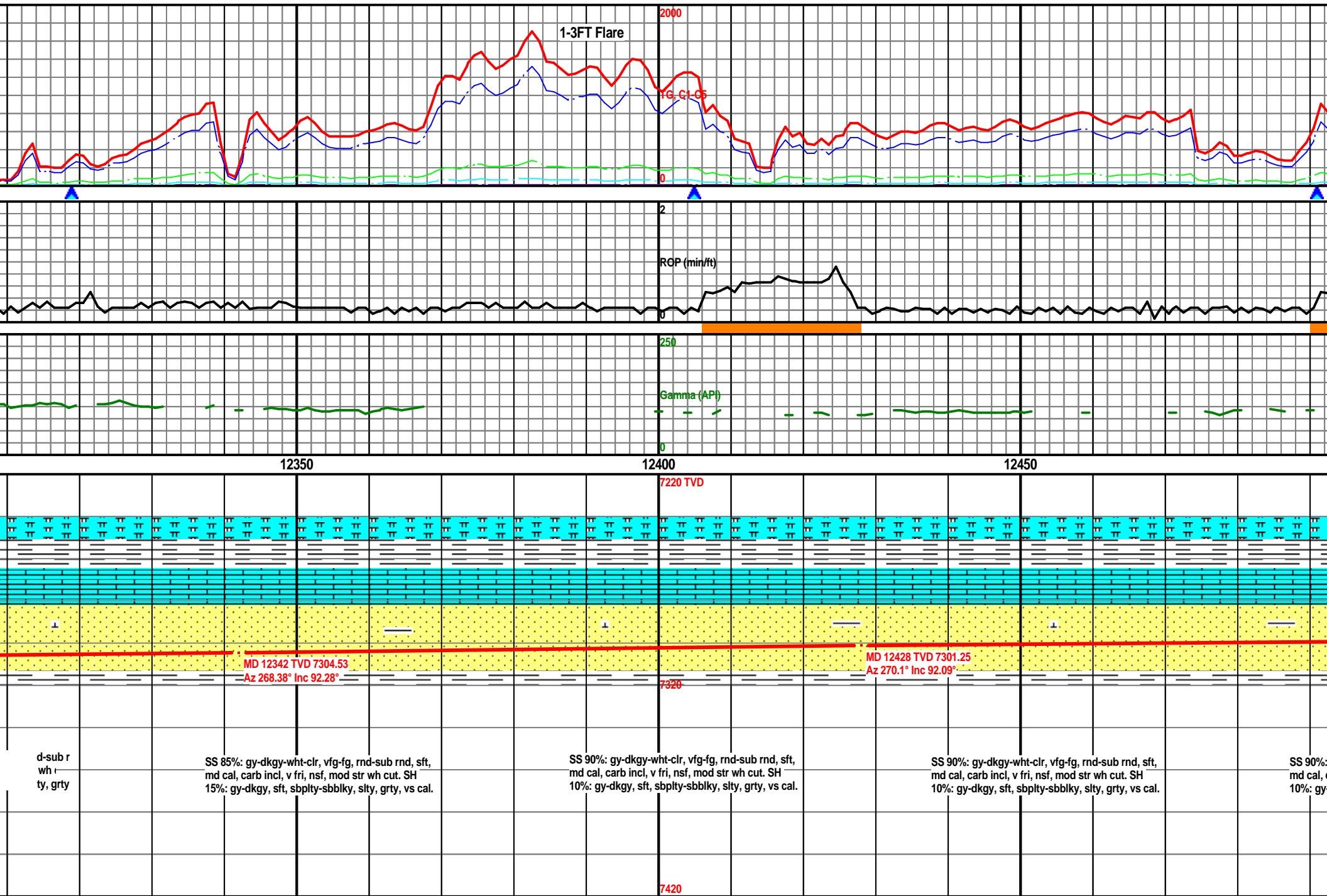
MD 12172 TVD 7308.9
Az 268.31° Inc 90.61°

7320

MD 12257 TVD 7307.34
Az 268.05° Inc 91.5°

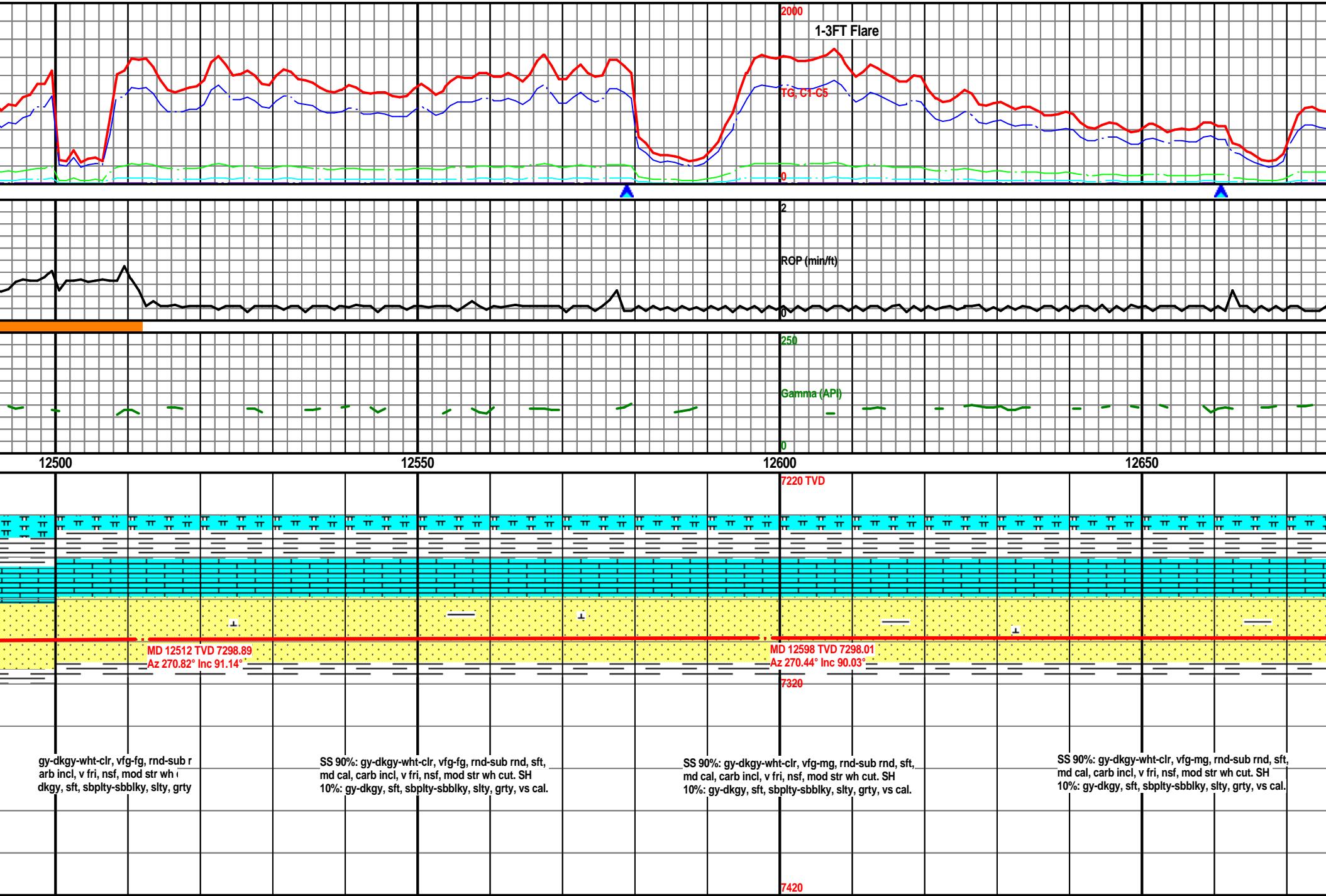
7420

MW: 9.3 / VIS: 47



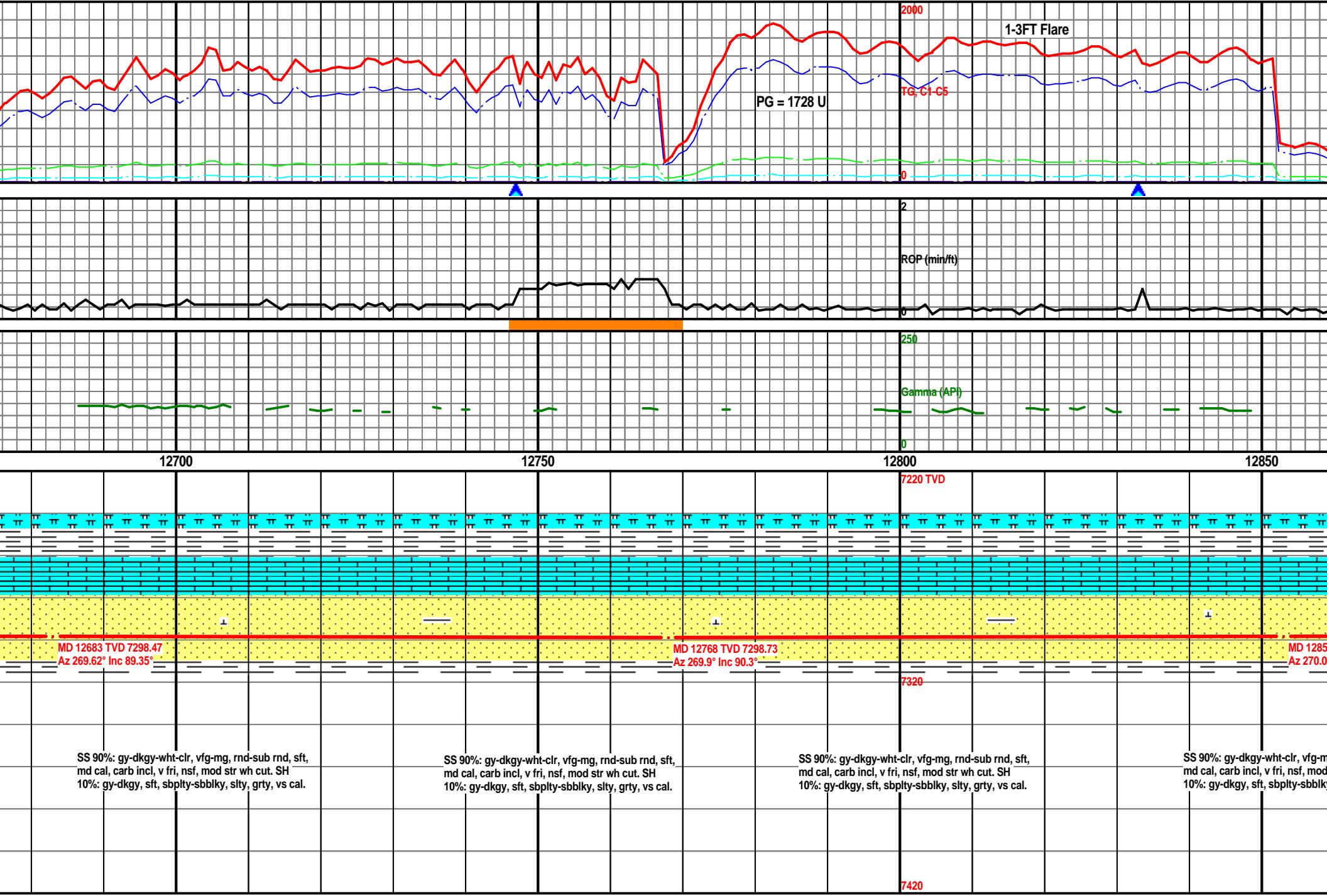
MW: 9.4 / VIS: 43

MW: 9.4 / VIS: 43



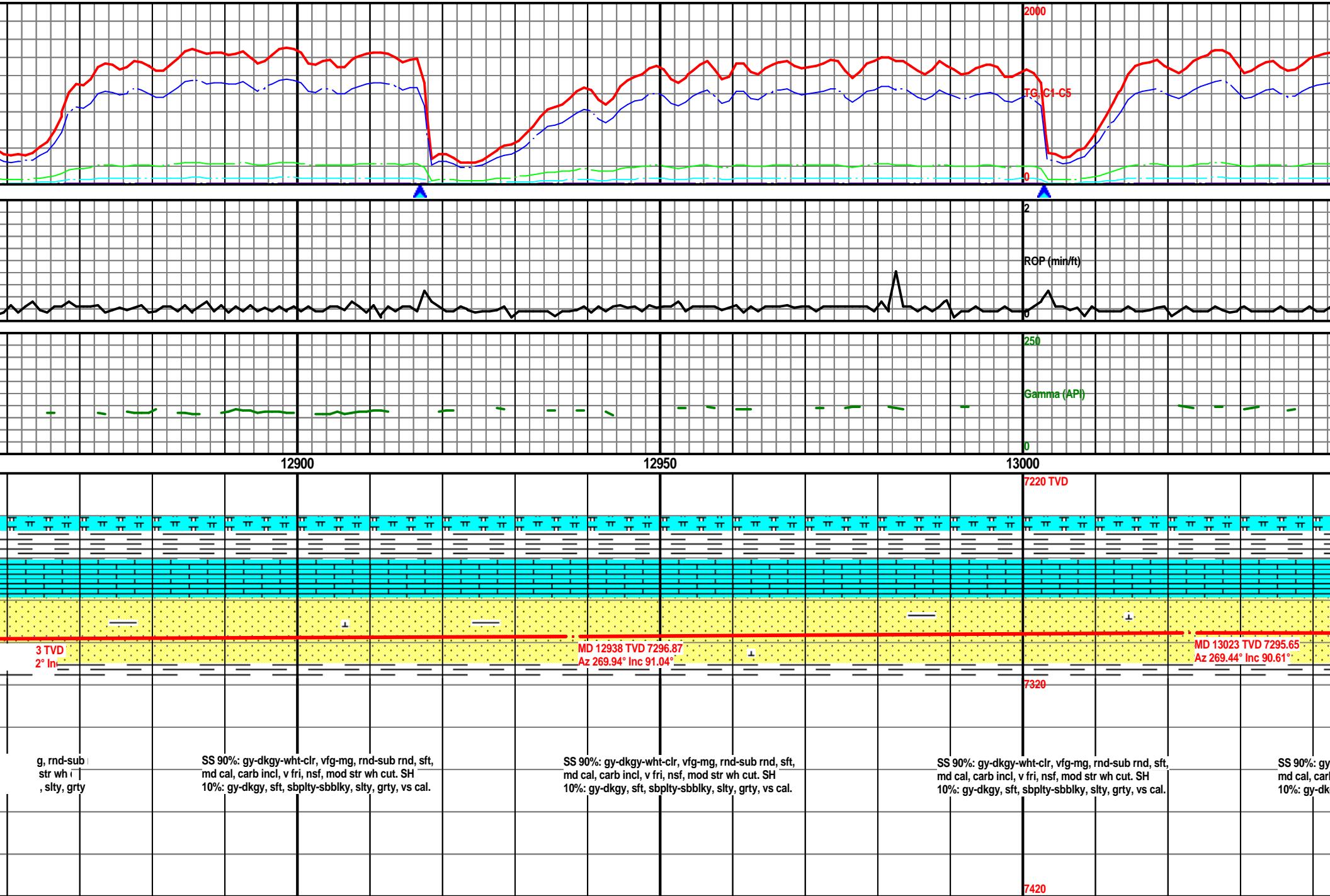
MW: 9.4 / VIS: 43

MW: 9.4 / VIS: 43



MW: 9.4 / VIS: 45

MW: 9.3 / VIS: 45



MW: 9.3 / VIS: 45

MW: 9.3 / VIS: 45

2000

TG, C1-C5

0

ROP (min/ft)

250

Gamma (API)

0

13050

13100

13150

13200

7220 TVD

MD 13192 TVD 7296.03
Az 268.02° Inc 89.13°

7320

7420

-dkgy-wht-clr, vfg-mg, rnd-sub incl, v fri, nsf, mod str wh i y, sft, sbpfty-sbbky, sly, grty

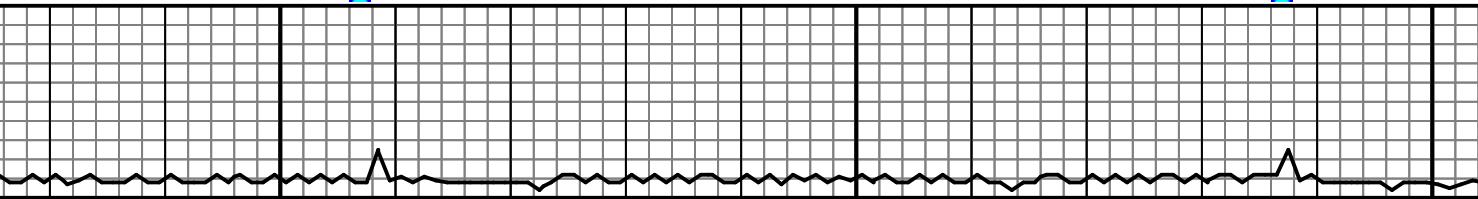
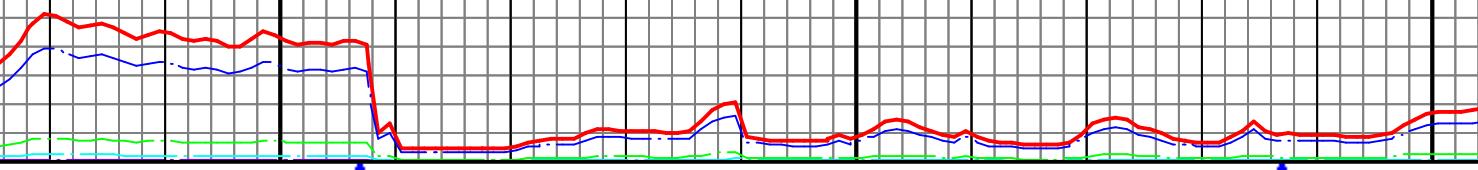
SS 90%: gy-dkgy-wht-clr, vfg-mg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH 10%: gy-dkgy, sft, sbpfty-sbbky, sly, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, vfg-mg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH 10%: gy-dkgy, sft, sbpfty-sbbky, sly, grty, vs cal.

SS 90%: gy-dkgy-wht-clr, vfg-mg, rnd-sub rnd, sft, md cal, carb incl, v fri, nsf, mod str wh cut. SH 10%: gy-dkgy, sft, sbpfty-sbbky, sly, grty, vs cal.

MW: 9.9 / VIS: 45

TD of 13356' MD Achieved at
5:45pm 5/28/14.



Two man logging unit with sample
program and gas analyzer
released 06/19/14.

Casing Completion with
Stand-Alone Gas Analyzer

13250

13300

13350

MD 13296 TVD 7297.83
Az 267.83° Inc 88.89°

SS 90%: gy-dkgry-wht-clr, vfg-mg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbly, sly, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-mg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbly, sly, grty, vs cal.

SS 90%: gy-dkgry-wht-clr, vfg-mg, rnd-sub rnd, sft,
md cal, carb incl, v fri, nsf, mod str wh cut. SH
10%: gy-dkgry, sft, sbpsty-sbbly, sly, grty, vs cal.