



866-463-5600 ★ Many, LA  
[www.toledomudlogging.com](http://www.toledomudlogging.com)

P. O. Box 1209  
 MANY LA, 71449  
 (318)-590-9755  
 FAX (318)590-9754

5 INCHES PER 100 FT

**COMPANY:** SandRidge Energy Inc.

**WELL:** Peters 0781 16-12 H13

**FIELD:** North Park      **COUNTY:** Jackson      **STATE:** CO

**LOCATION:** Surface: 710' FNL & 4' FWL of section 7, T7N, R80W  
 Bottom: 300' FSL & 330' FEL of section 13, T7N, R81W

**Interval Logged:** 2103      **To:** 16160      **G.L.:** 8,130'      **K.B:** 8,155'

**Date Logged:** 04-06-2018      **To:** 4-14-18      **Spud Date:** 04-04-2018

**Rig:** Patterson UTI Energy Inc.      **Unit No.:** 338

**Loggers:** Rick Berton/ Santiago Duran/Ricky Jr. Berton

**Api No.:** 05-057-06597

**Filename:** peters\_0780\_16-12\_h13.mlw

**Geologist:** Simon Anzaldua

Created By MainLog

**Abbreviations:**

NB...New Bit	DST...Drill Stem Test
CO...Circ Out	DS...Directional Survey
NR...No Returns	CG...Connection gas
TG...Trip Gas	LAT...Logged After Trip
WOB...Wt on Bit	PP...Pump Pressure
RPM...Rev/Min	SPM...Strokes/Min
SG...Survey Gas	DTG...Down Time Gas

**Mud Data**

WT..Weight	V..Viscosity
PH..Acidity	F..Filtrate
CHL..Chlorides	SC..Solids Content

**Lithology Symbols:**

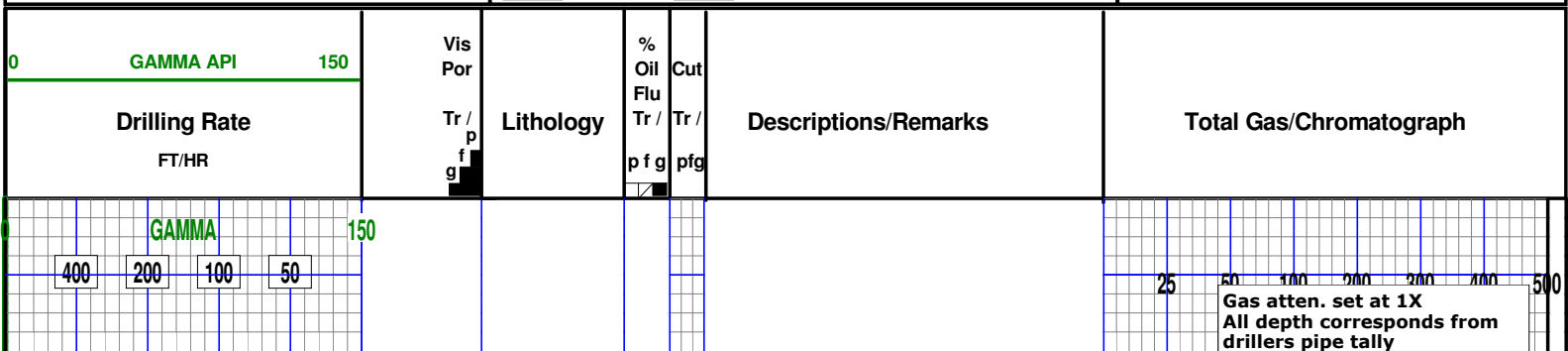
Anhydrite	Salt	Granite
Siltstone	Chert	Sandstone
Dolomite	Conglomerate	Limestone
Coal	Shale	Bentonite
Carb Shale	Granite Wash	Quartz Wash
Red Sh	Org Sh	Green Sh
Cust Sh1	Cust Sh2	Cust Sh3
Cust Sh4	Cust Sh5	Cust Sh6

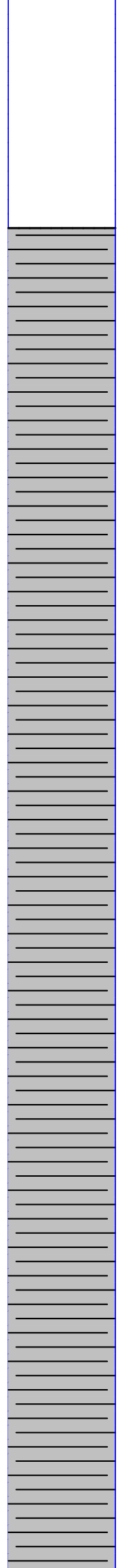
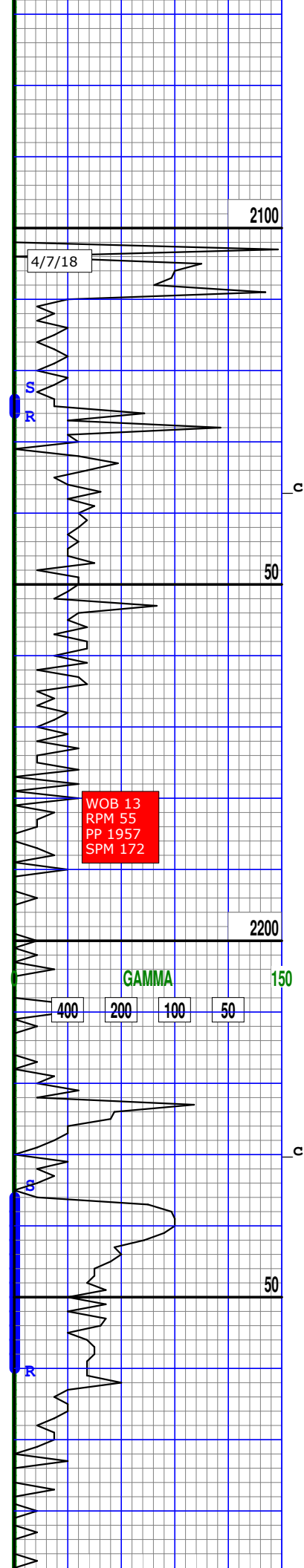
**Accessories**

Glauconite	Pyrite	Fossils	Oolites
Fractures	Cement		

**Gas Chromatograph Analysis:**

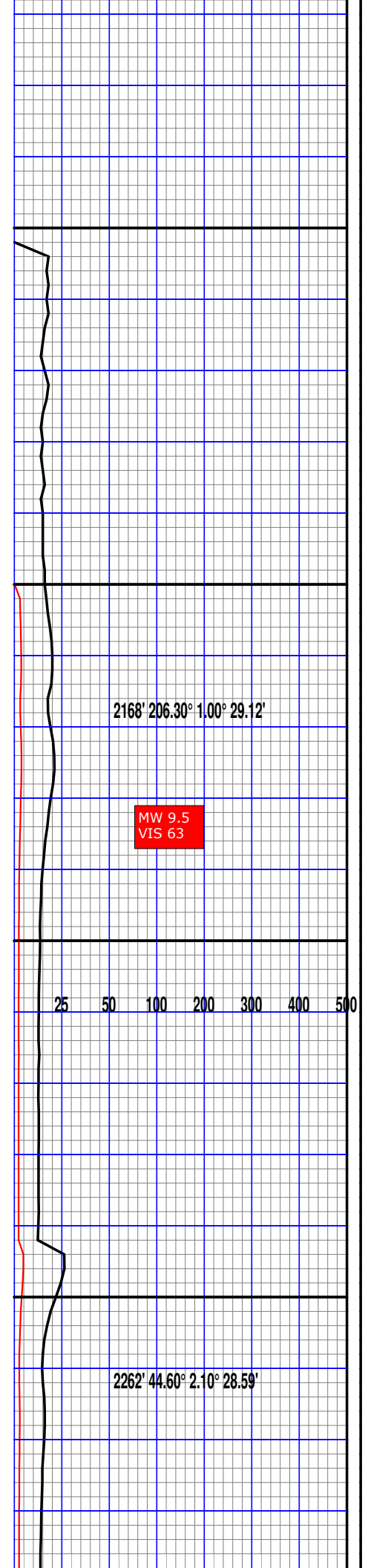
TG	
C1	
C2	
C3	
IC4	
NC4	
IC5	
NC5	

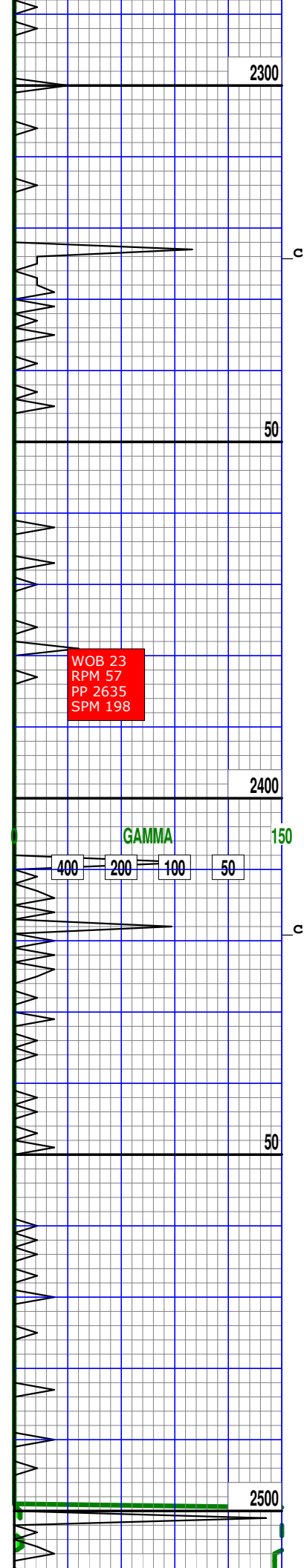




SH: md gy, gy, frm,  
brit, blk, sbwxy, slty,  
aren, non calc

SH: md gy, gy, frm,  
brit, blk, sbwxy, slty,  
aren, non calc





2300

c

50

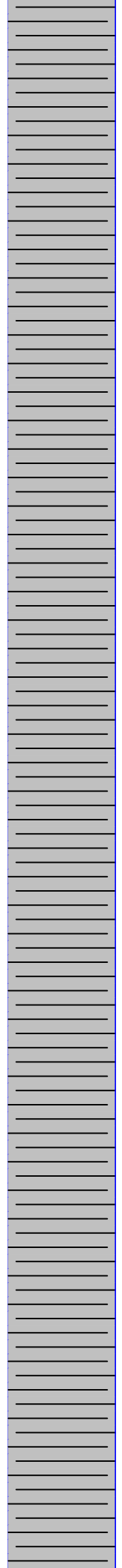
2400

150

c

50

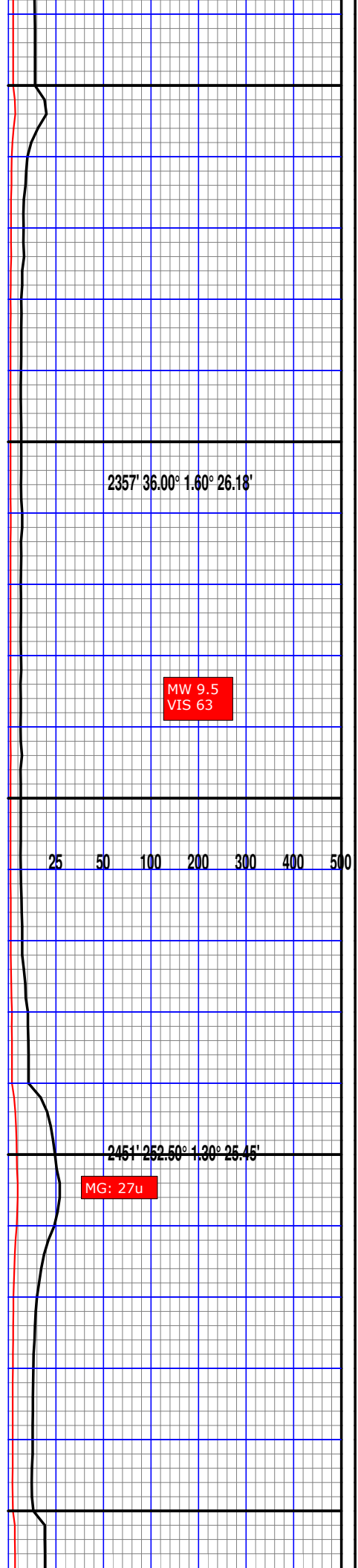
2500



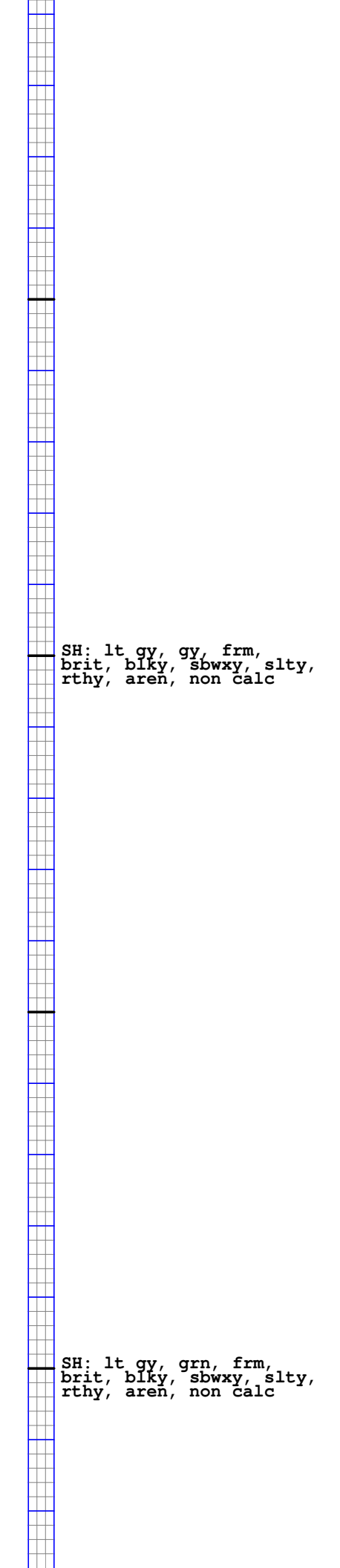
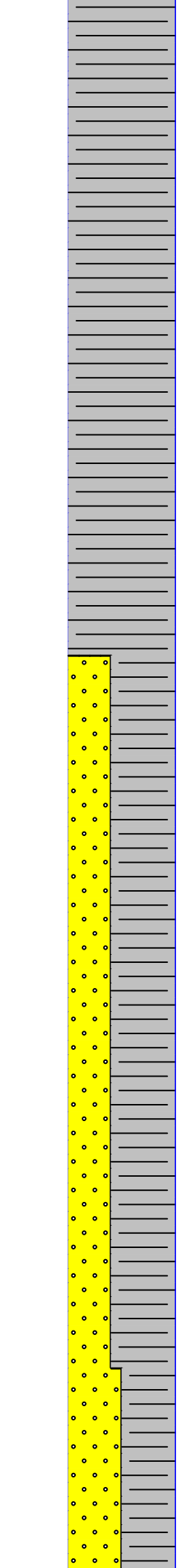
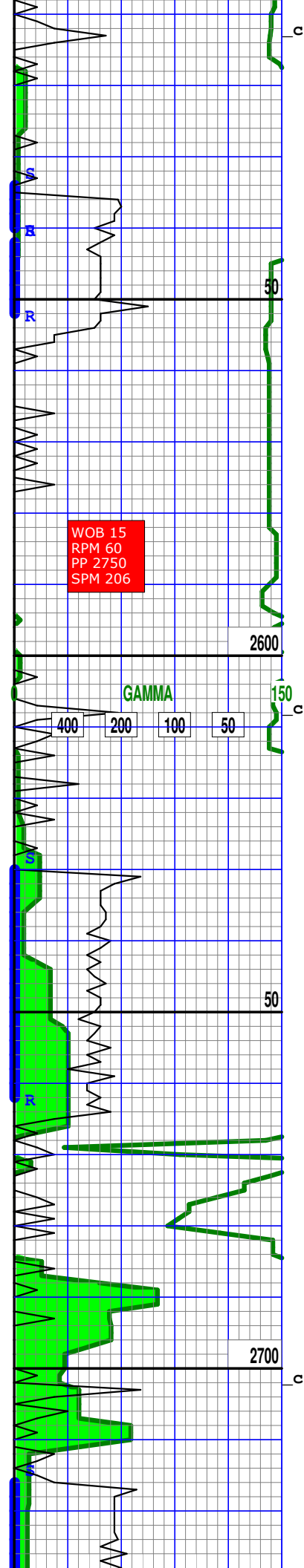
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aren, non calc

SH: md gy, gy, frm,  
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aren, non calc

SH: lt gy, gy, frm,  
brit, blk, sbwxy, slty,  
rthy, aren, non calc

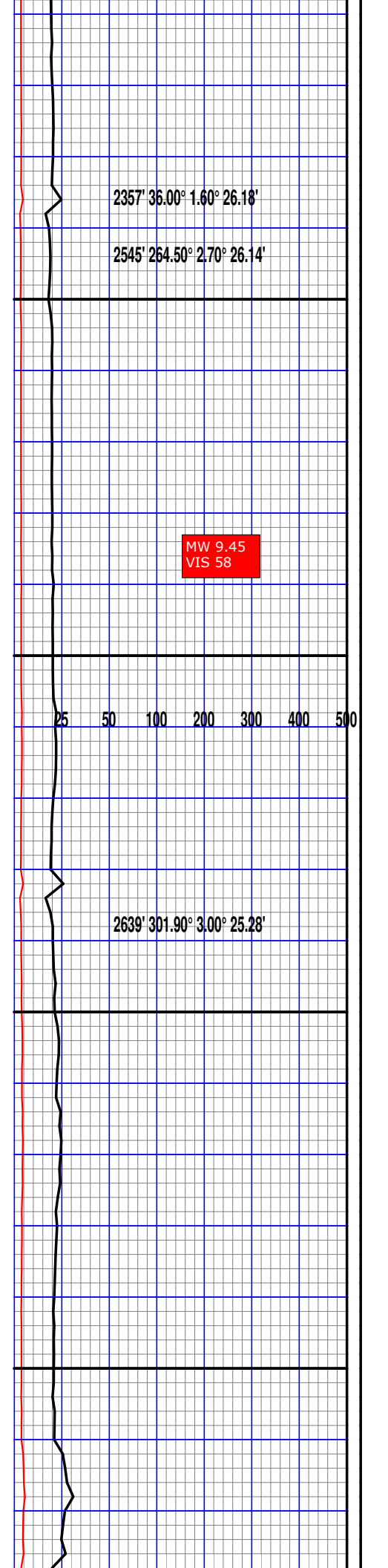


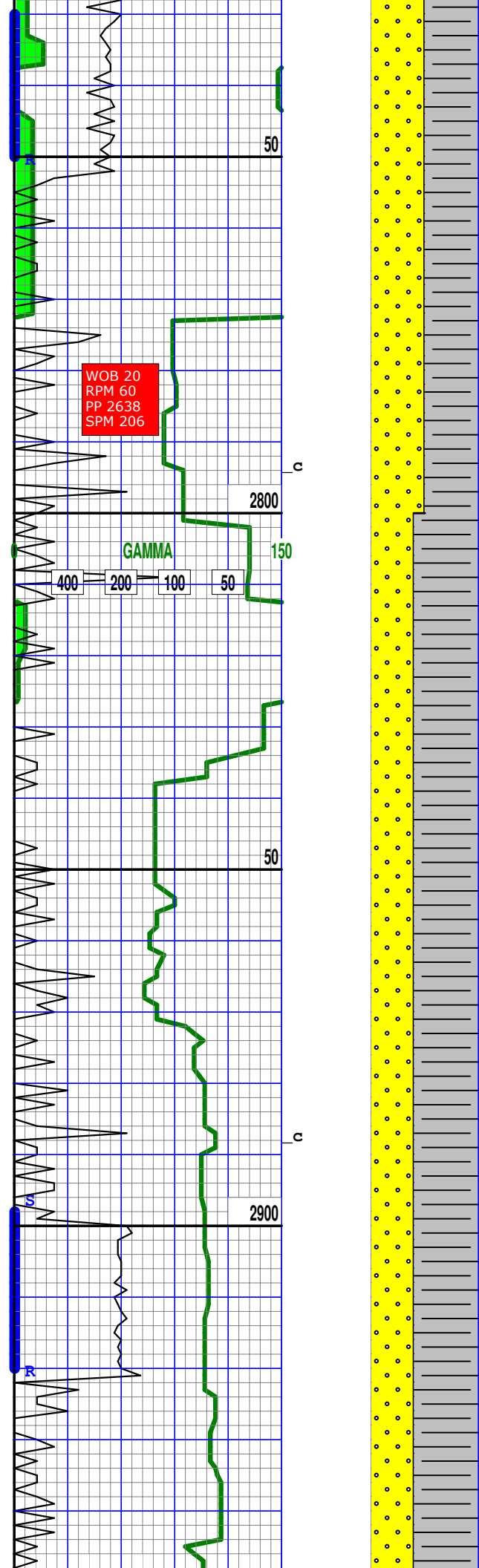
MG: 27u



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rthy, aren, non calc

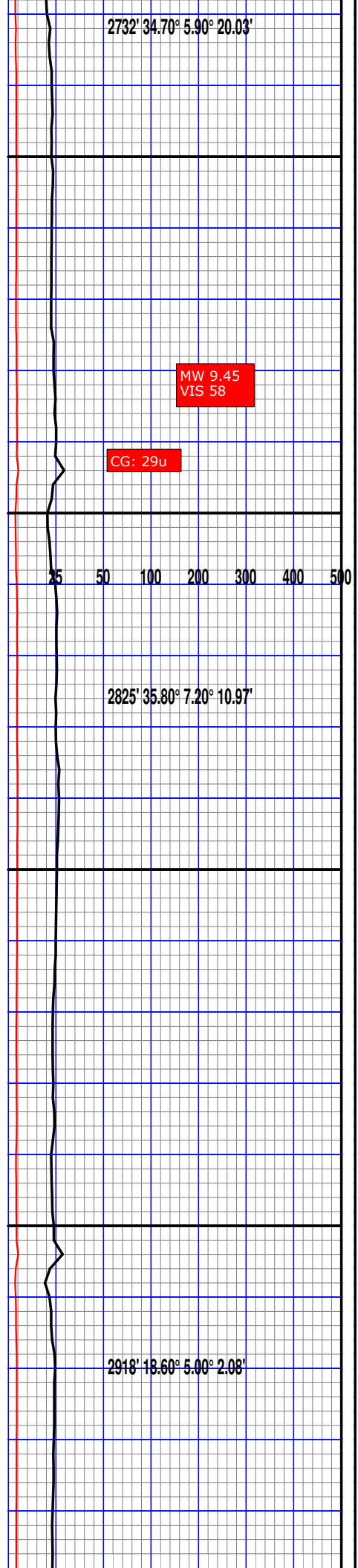
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rthy, aren, non calc

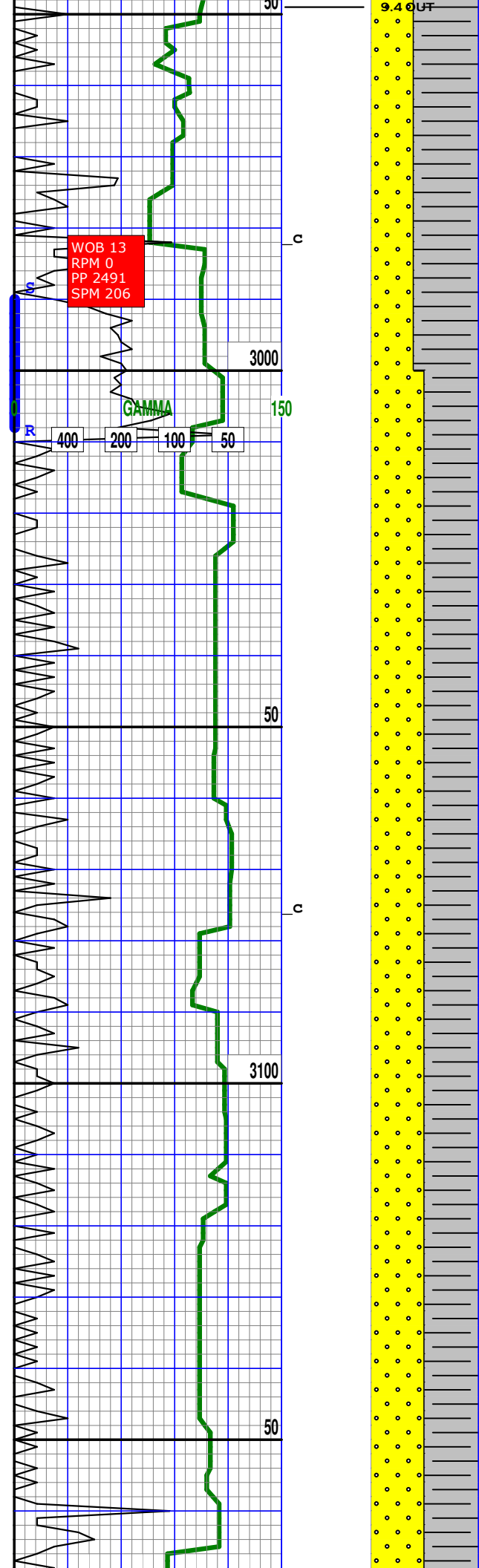




SD: lt gy, wht, clr,  
vfg, crs, frm, fria, mod  
cons, pr srted, carb,  
glau, fr por

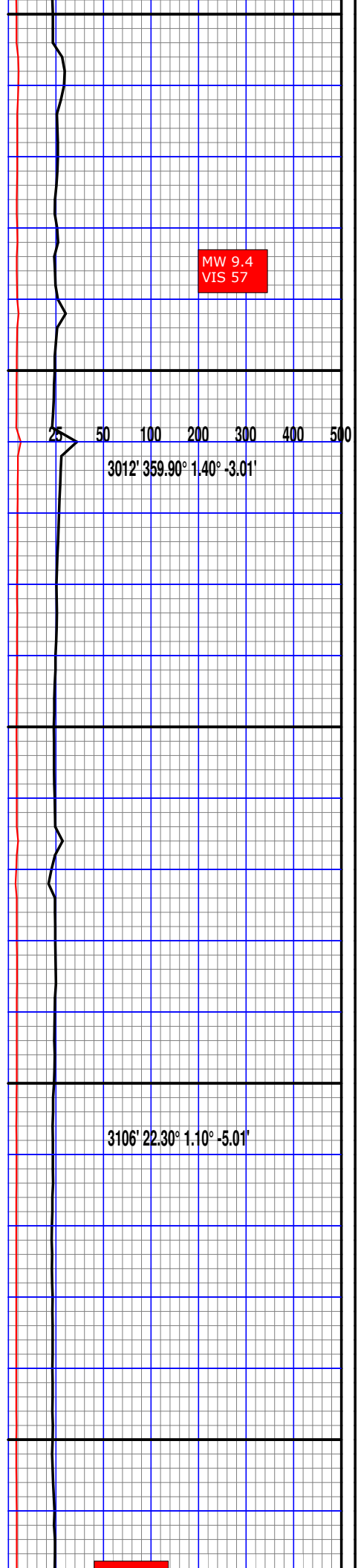
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rthy, aren, non calc,  
tr ls

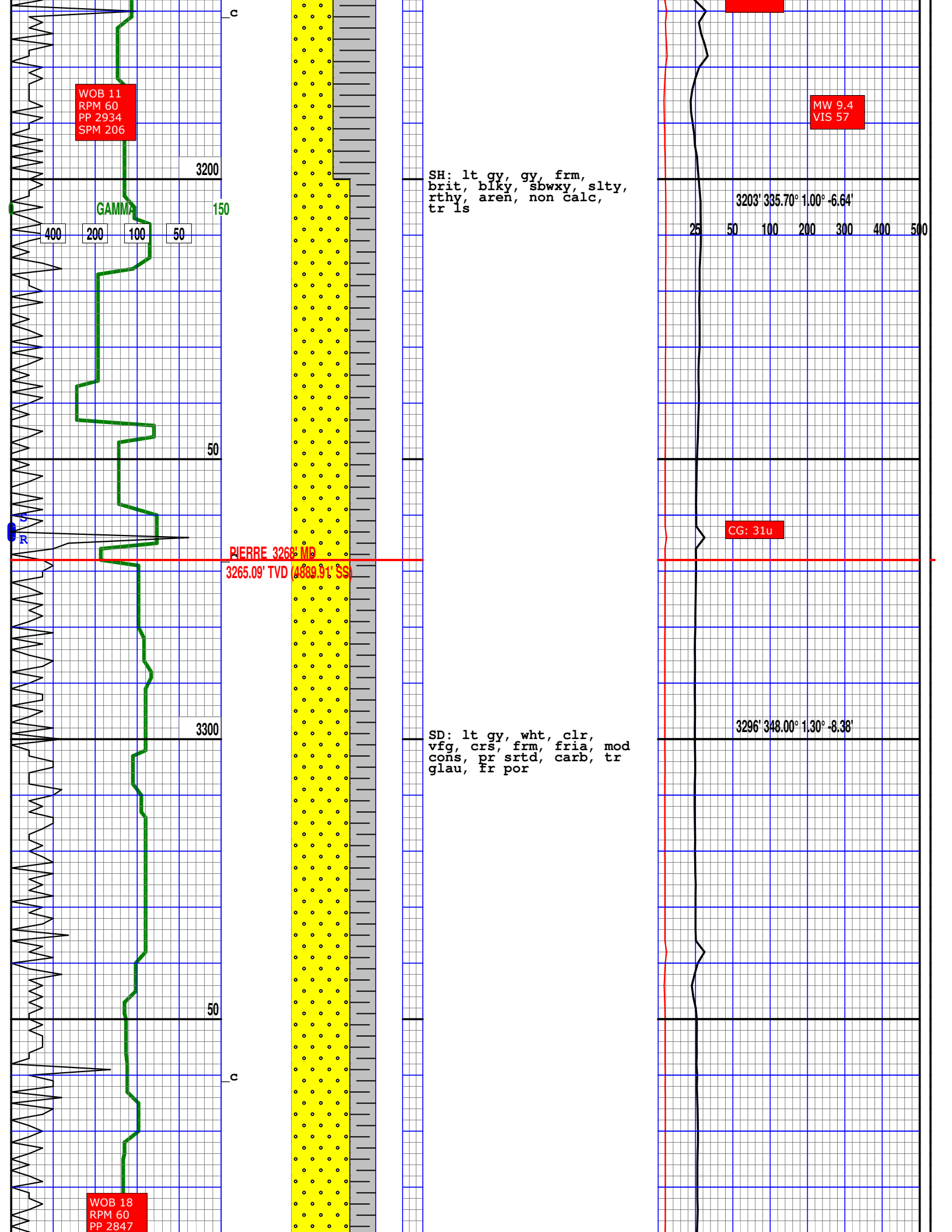


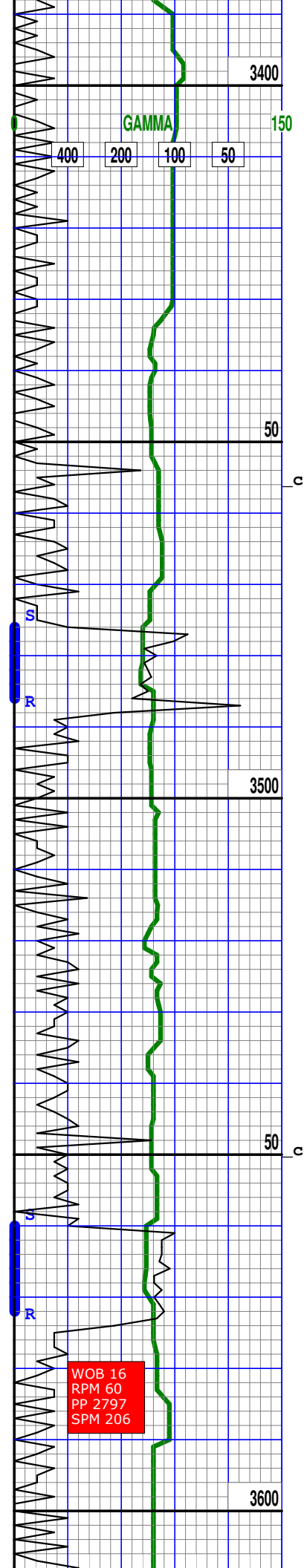


SH: lt gy, grn, frm,  
brit, blk, sbwxy, slty,  
rthy, aren, non calc,  
tr ls

SH: lt gy, grn, frm,  
brit, blk, sbwxy, slty,  
rthy, aren, non calc,  
tr ls



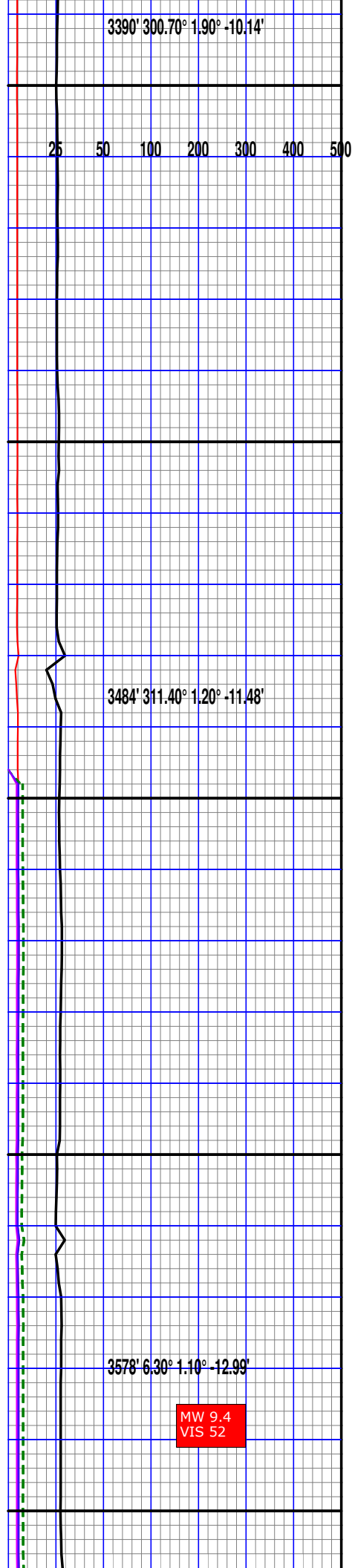


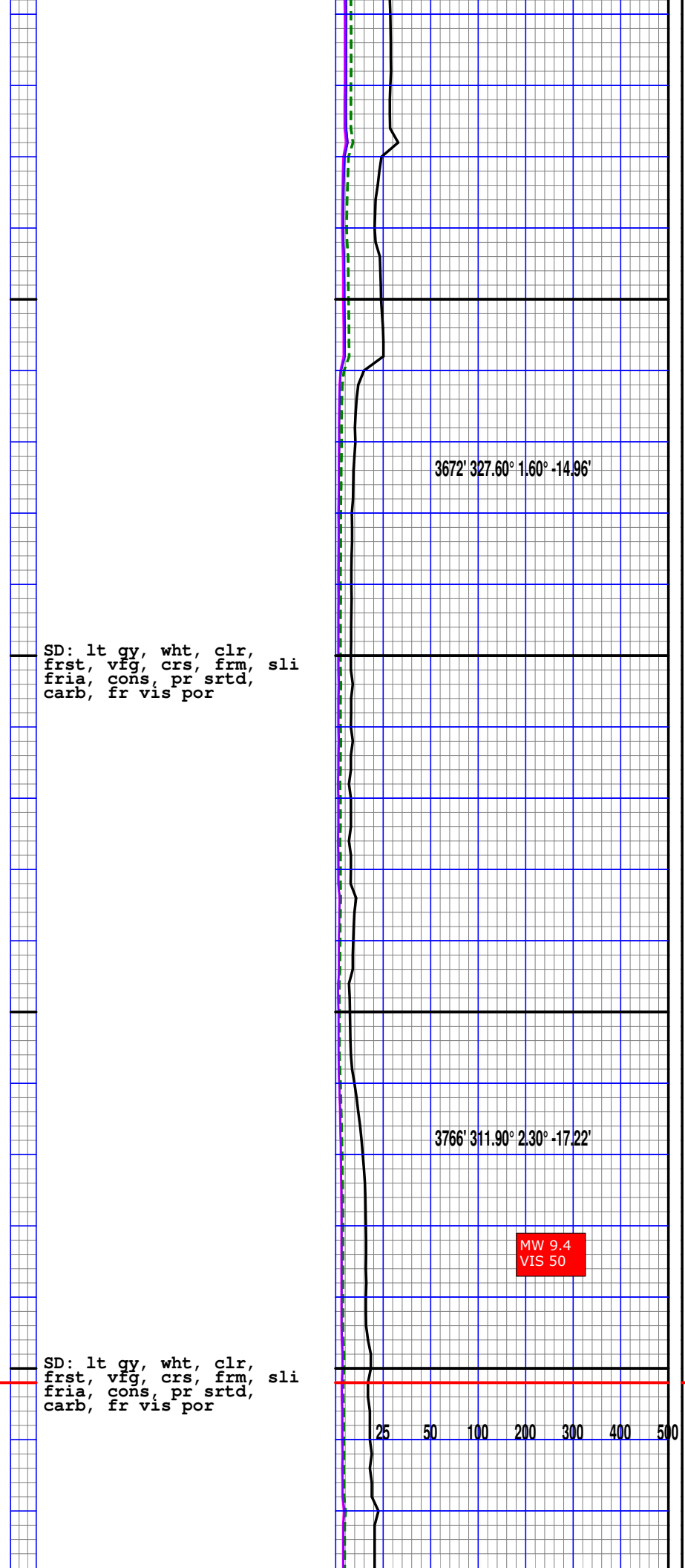
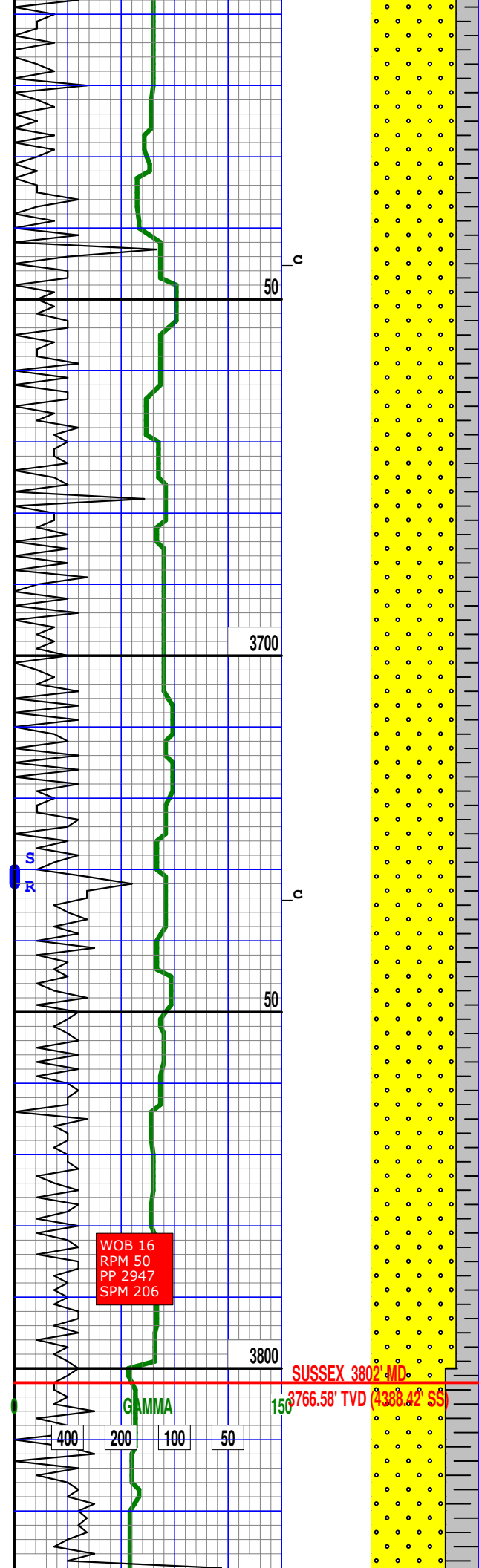


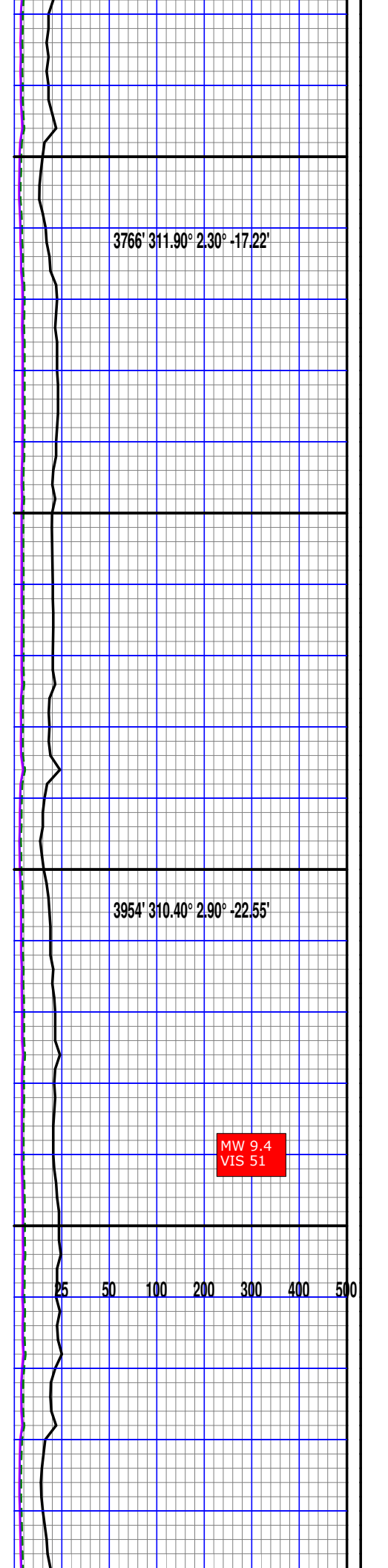
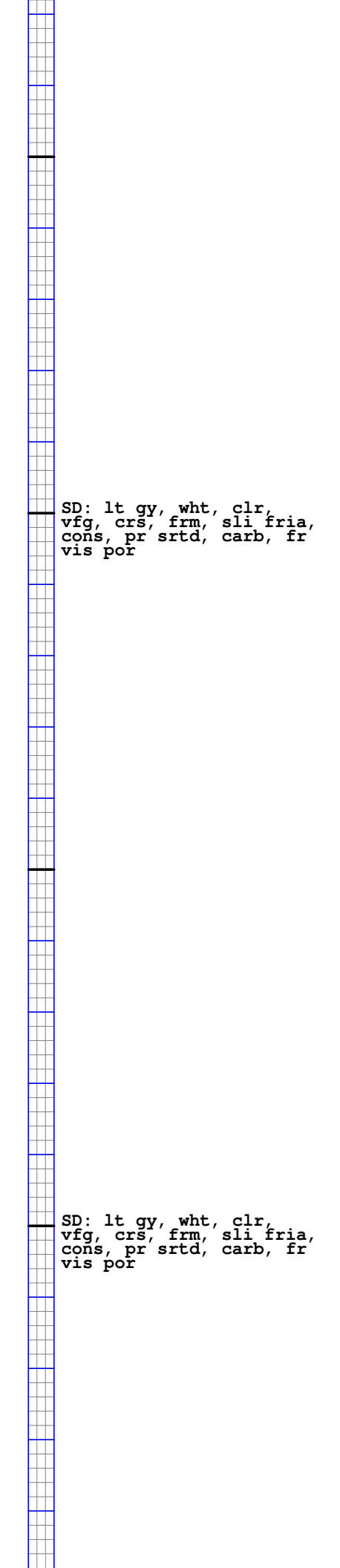
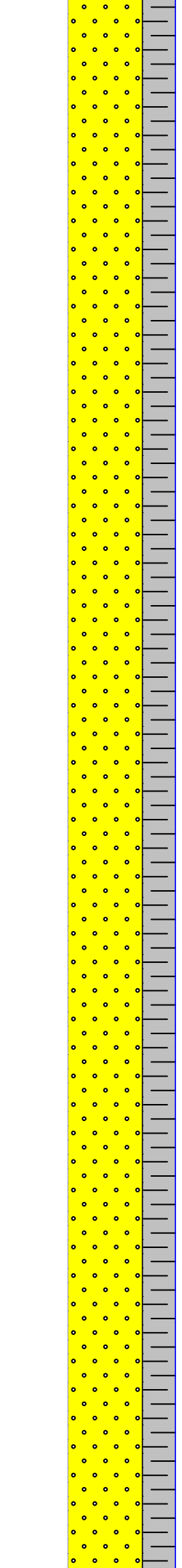
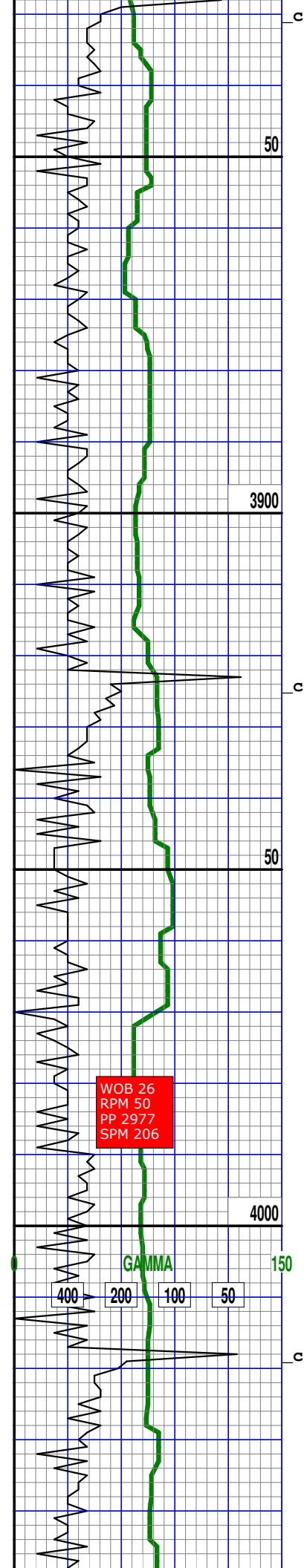
SD: lt gy, wht, clr,  
vfg, crs, frm, fria, mod  
cons, pr srted, carb, tr  
glau, fr por

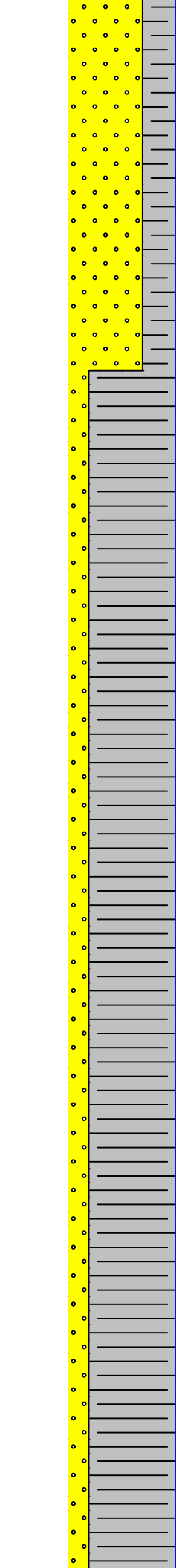
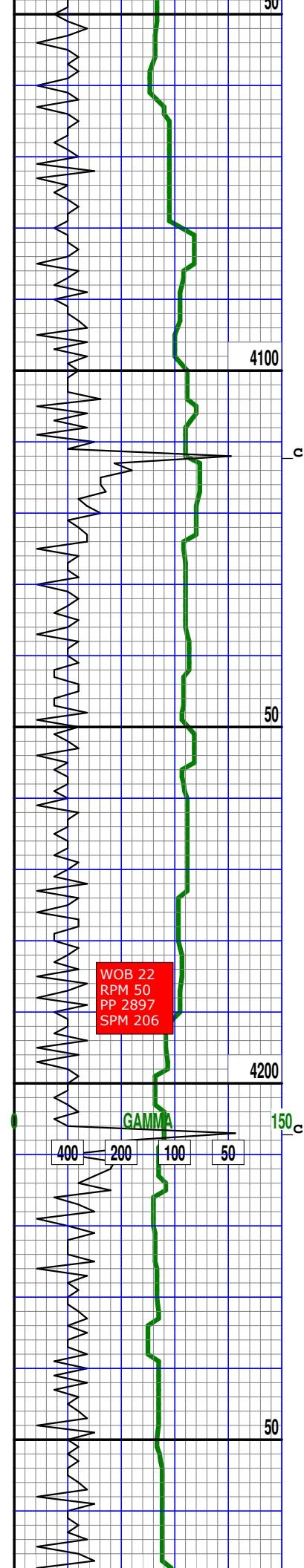
SD: lt gy, wht, clr,  
frst, vfg, crs, frm, sli  
fria, cons, pr srted,  
carb, fr vis por

SD: lt gy, wht, clr,  
frst, vfg, crs, frm, sli  
fria, cons, pr srted,  
carb, fr vis por



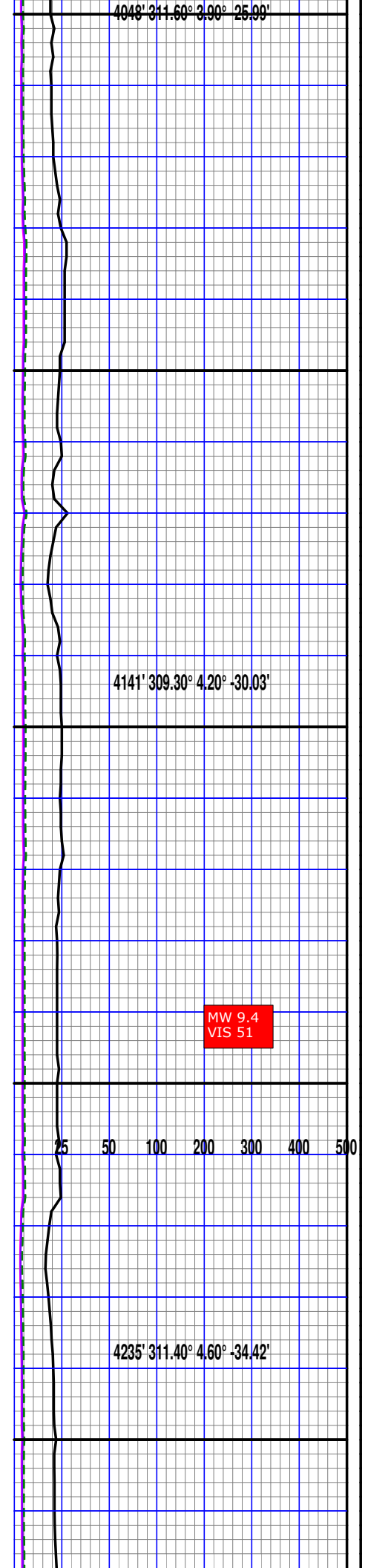






SD: lt gy, wht, clr, vfg, crs, frm, sli fria, cons, pr srted, carb, fr vis por

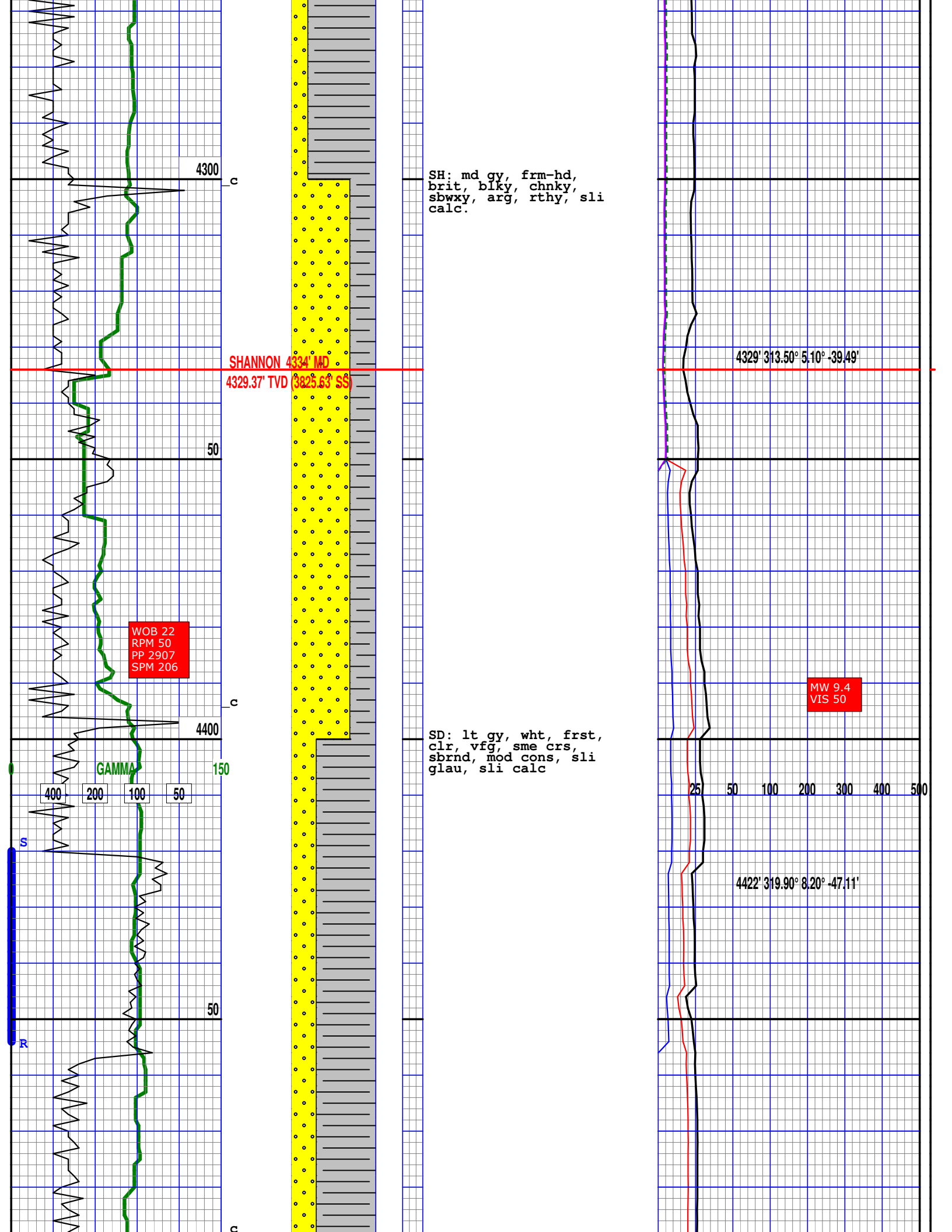
SH: md gy, frm, brit, blk, chnky, sbwxy, arg, rthy, sli calc.

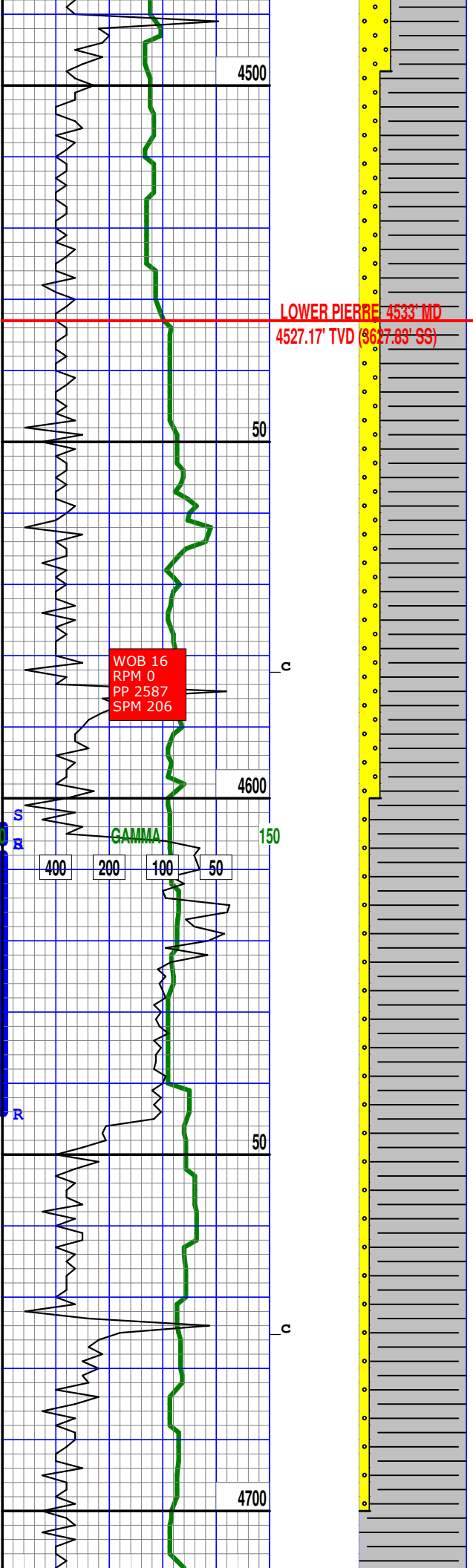


4048' 311.60° 3.90° -25.99'

4141' 309.30° 4.20° -30.03'

4235' 311.40° 4.60° -34.42'





SH: md gy, hd, brit,  
blky, chnky, sbwxy, arg,  
sity, sli aren, calc.

4514' 319.00° 11.00° -58.35'

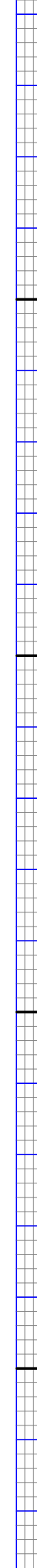
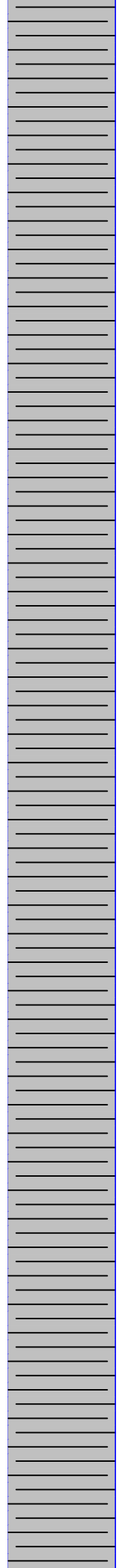
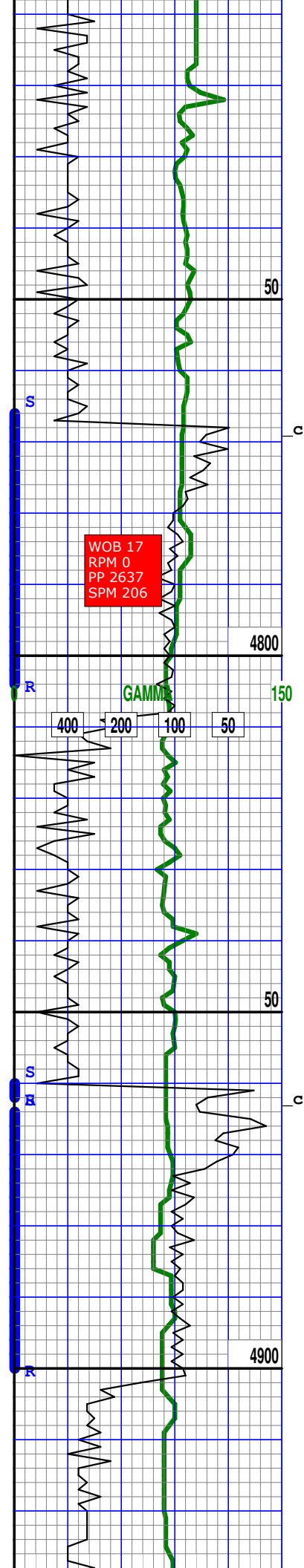
MW 9.4  
VIS 50

SH: gy, md gy, frm,  
brit, blky, chnky, occ  
pity, sbwxy, arg, sity,  
sli aren, calc.

4606' 322.70° 11.30° -71.85'

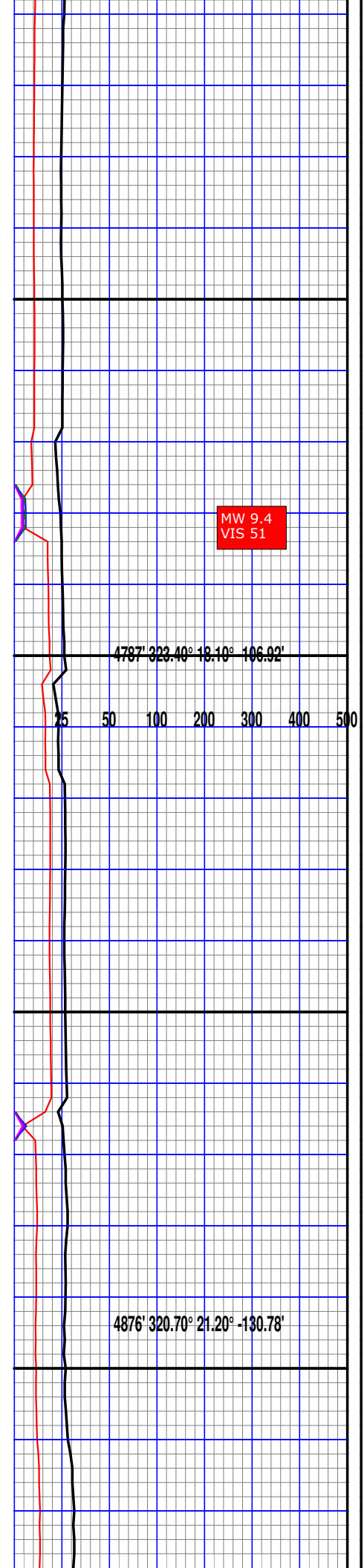
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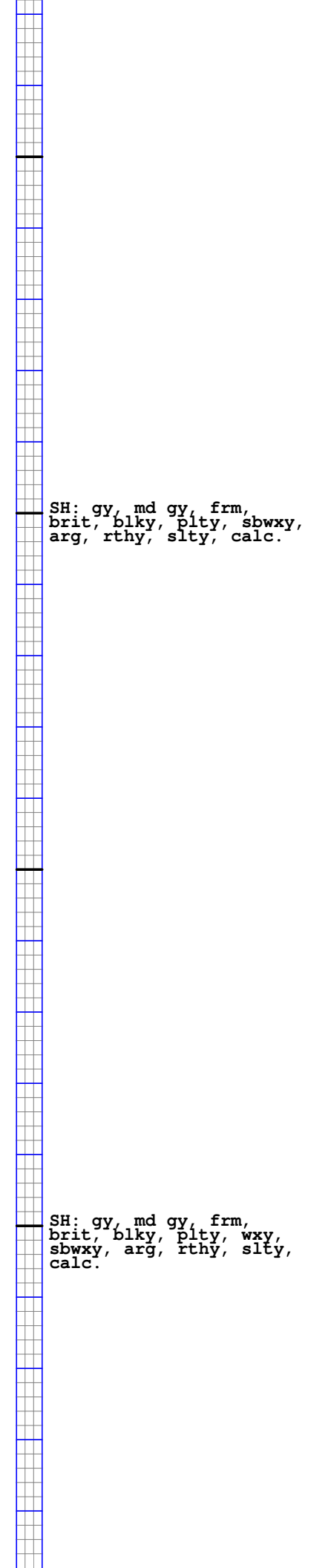
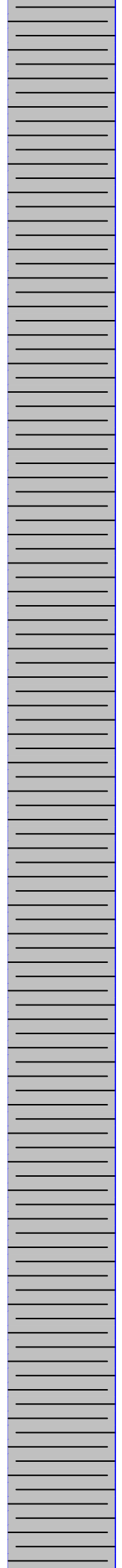
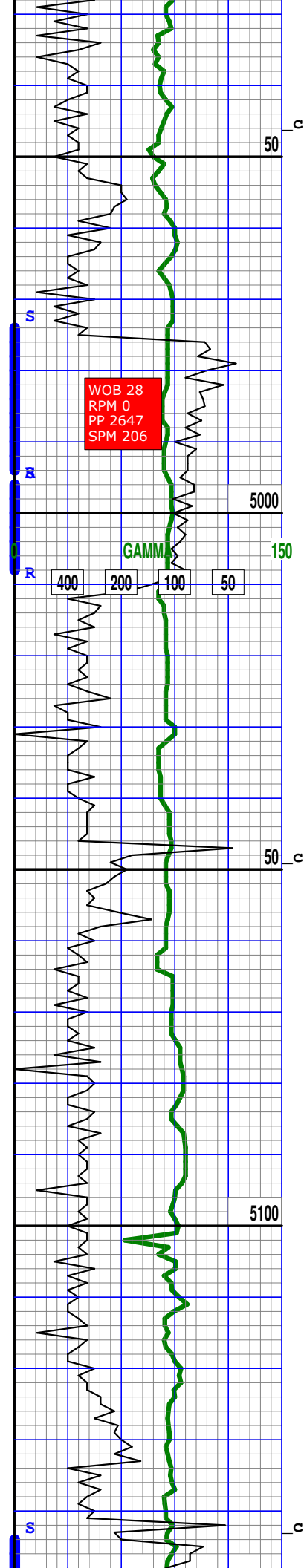
4697' 323.40° 13.50° -87.18'



SH: md-dk gy, frm,  
brit, blk, chnky,  
wxy, sbwxy, rthy, arg,  
mot, bent, sli calc

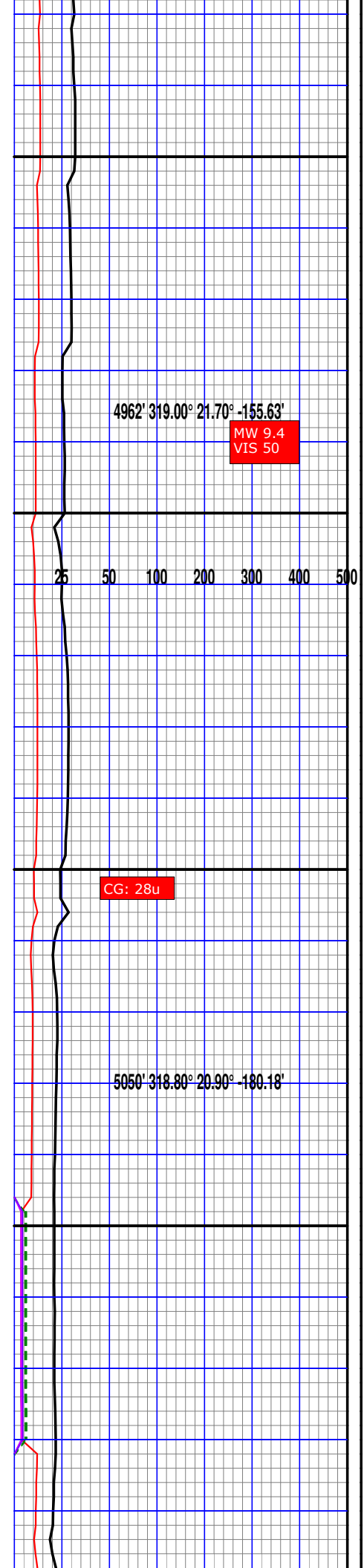
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brit, blk, pity, sbwxy,  
arg, rthy, slty, calc.

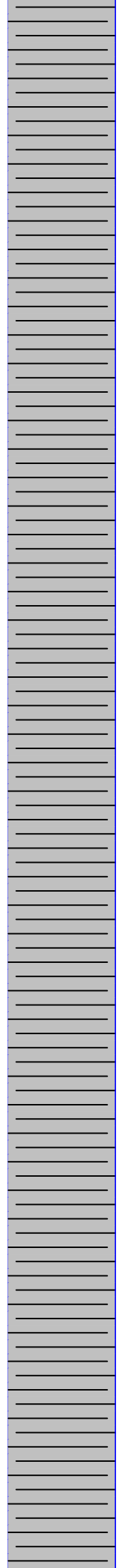
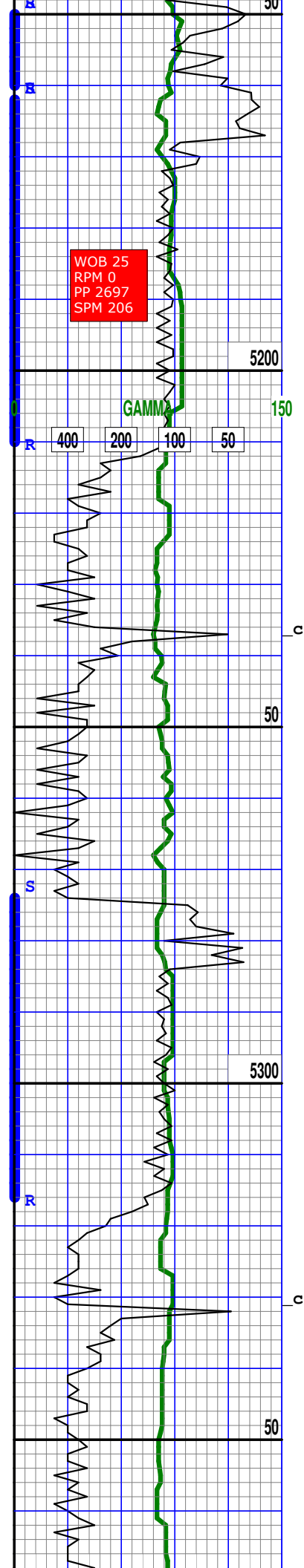




SH: gy, md gy, frm,  
brit, blk, pty, sbwxy,  
arg, rthy, slty, calc.

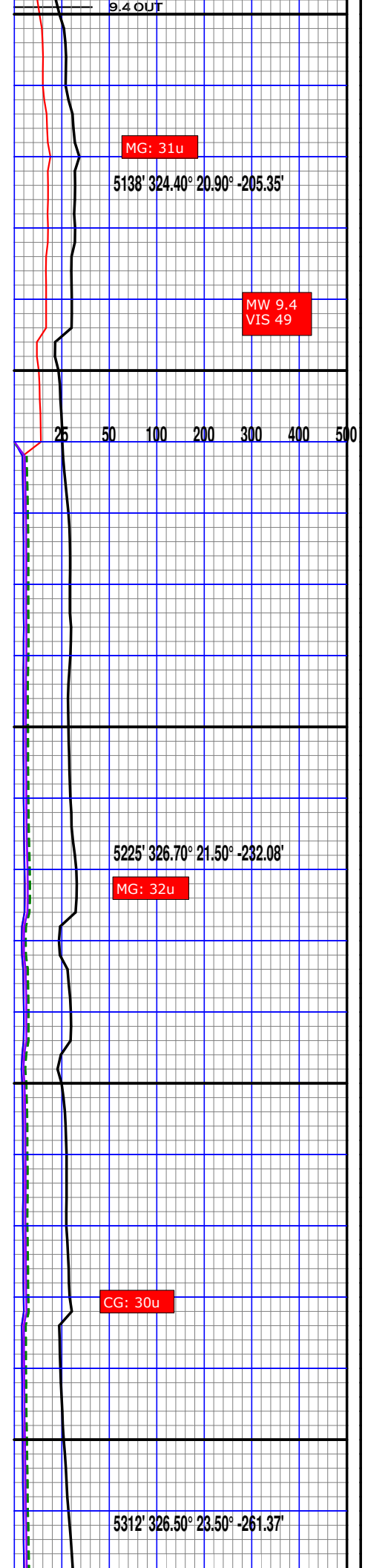
SH: gy, md gy, frm,  
brit, blk, pty, wxy,  
sbwxy, arg, rthy, slty,  
calc.





SH: gy, md gy, frm,  
brit, blk, pty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

SH: gy, md gy, frm,  
brit, blk, pty, wxy,  
sbwxy, arg, rthy, slty,  
calc.



WOB 27  
RPM 40  
PP 2974  
SPM 207

MW 9.4  
VIS 50

5400

SH: gy, md gy, frm,  
brit, blk, pty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

25 50 100 200 300 400 500

GAMMA

150

400 200 100 50

c

50

5399' 325.00° 20.10° -288.91'

GAS BLOWBACK

5500

SH: gy, md gy, frm,  
brit, blk, pty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

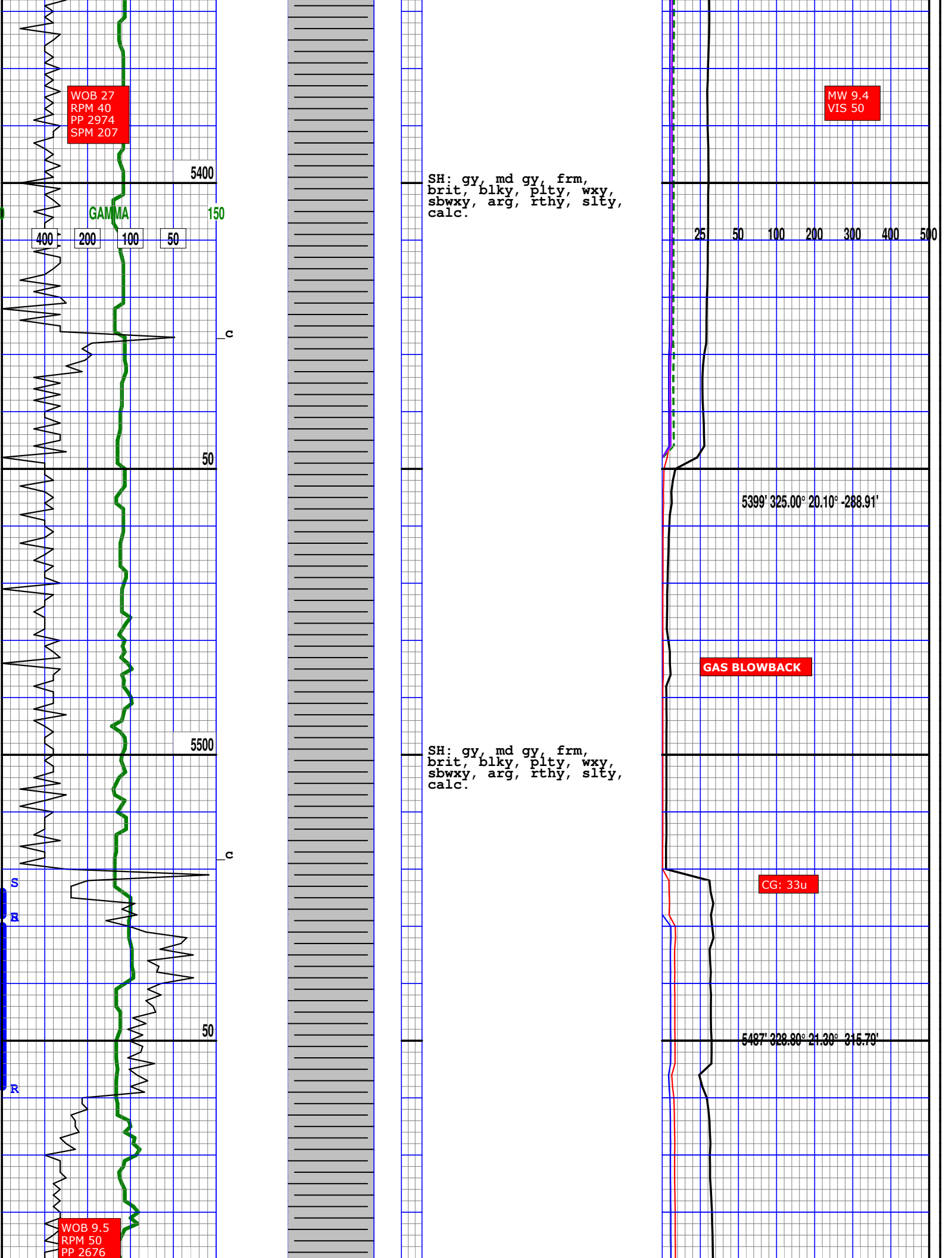
CG: 33u

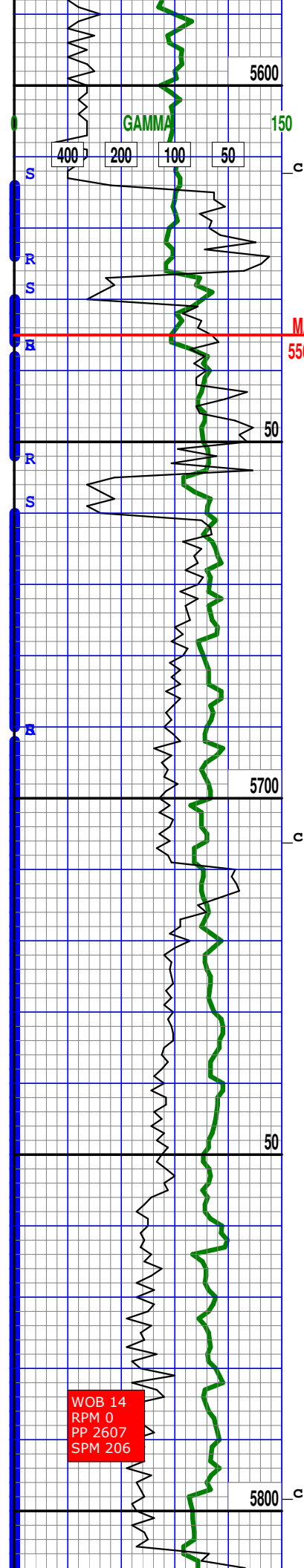
c

50

5487' 328.80° 21.30° -315.70'

WOB 9.5  
RPM 50  
PP 2676





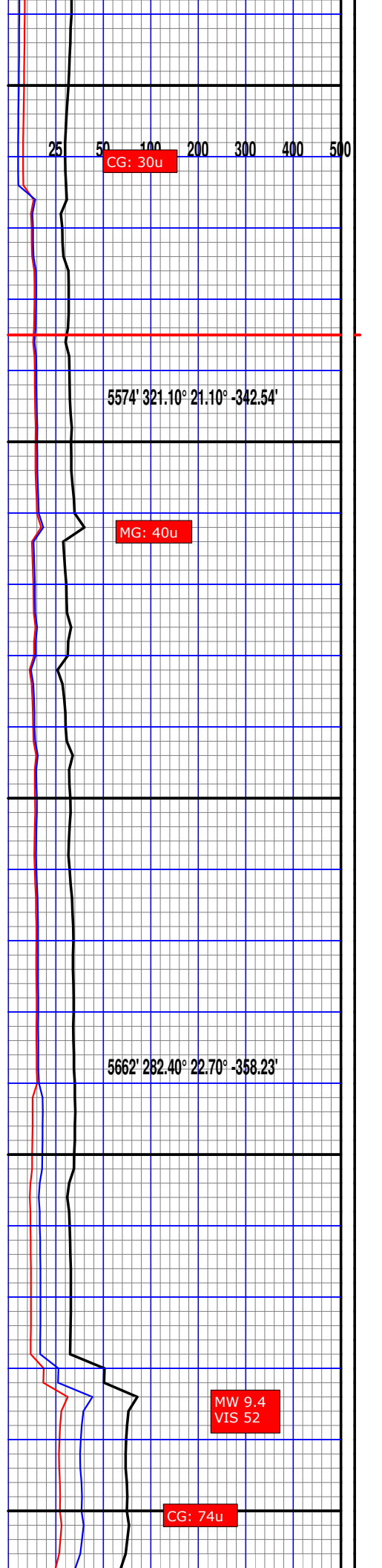
SH: gy, md gy, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, slty,  
 calc.

MANGOS 5635 MD  
 5564.51' TVD (2590.49' SS)

SH: gy, md gy, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, slty,  
 calc.

WOB 14  
 RPM 0  
 PP 2607  
 SPM 206

SH: dk gy, blk, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, slty,  
 calc.



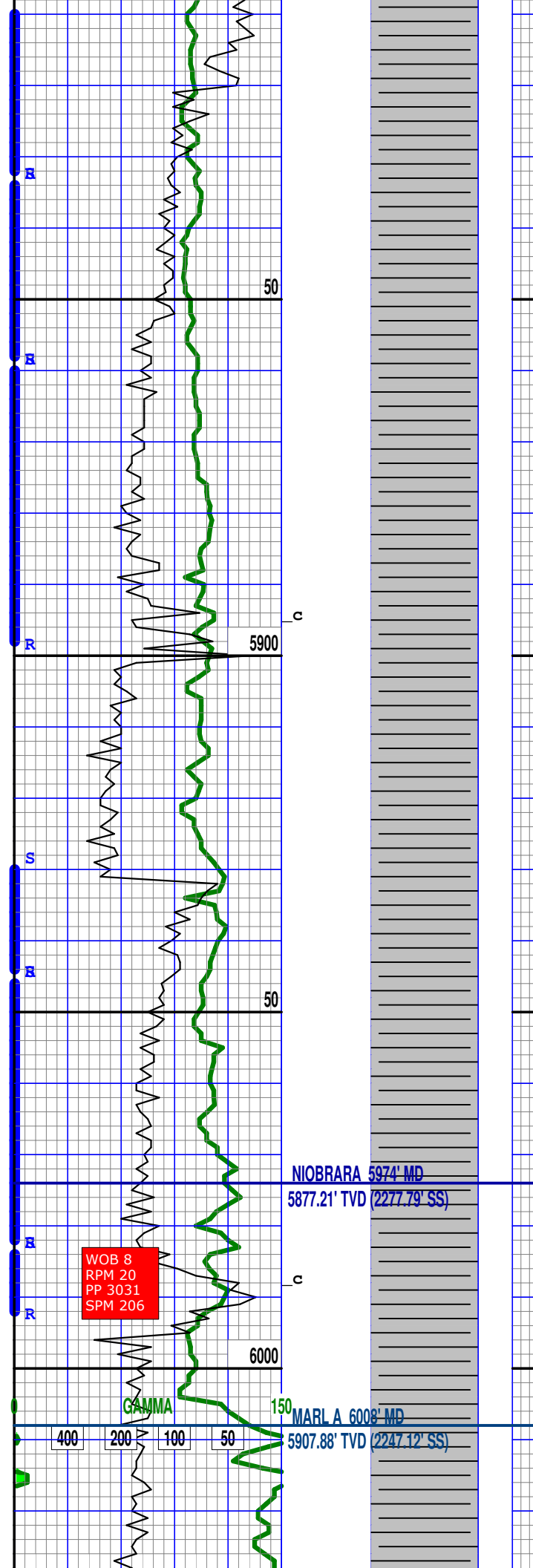
5574' 321.10° 21.10° -342.54'

MG: 40u

5662' 282.40° 22.70° -358.23'

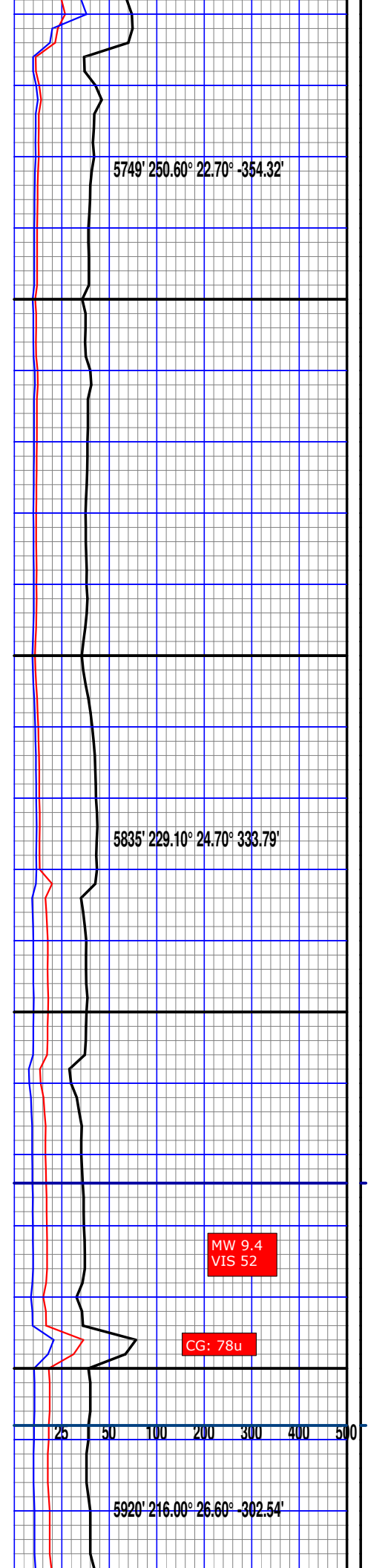
MW 9.4  
 VIS 52

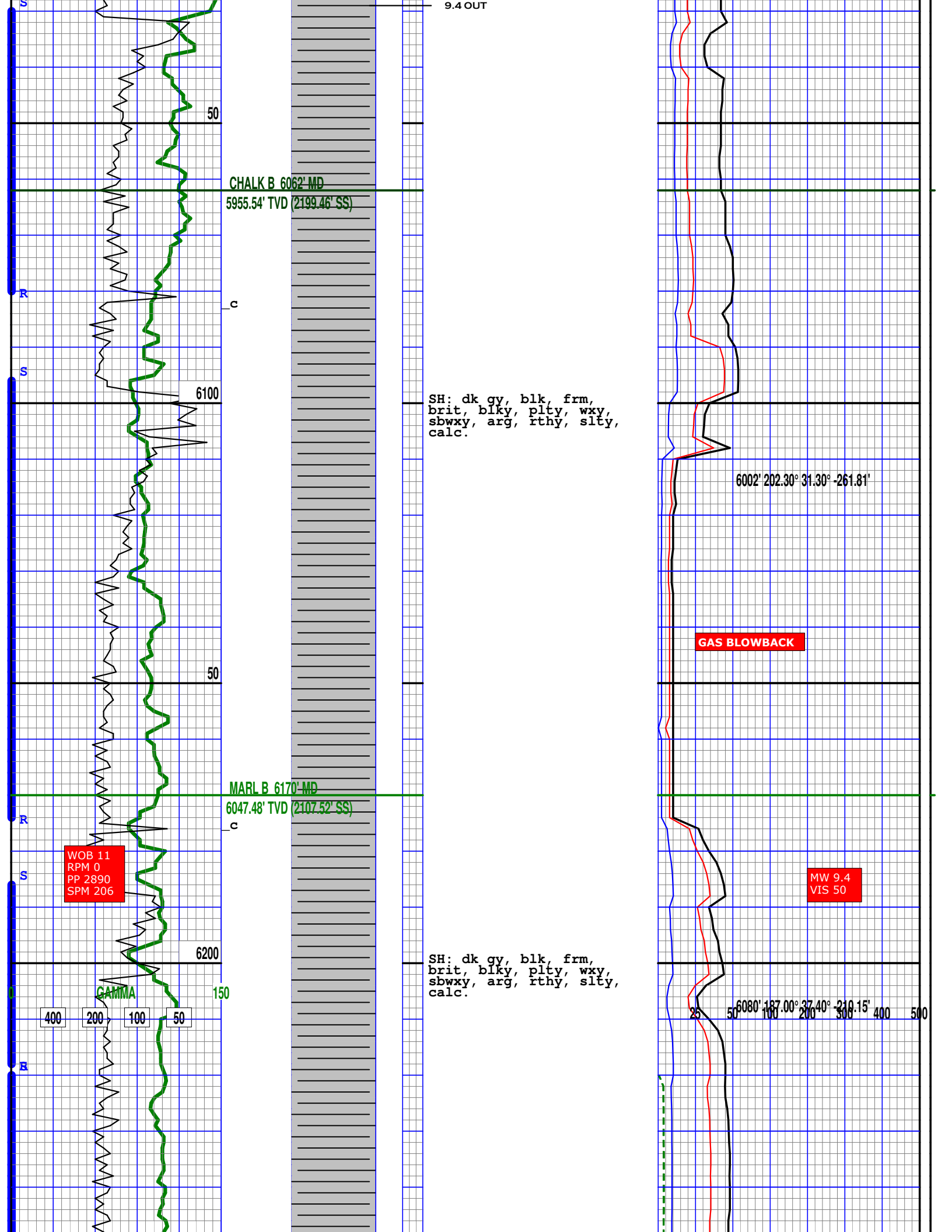
CG: 74u



SH: gy, md gy, frm,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

SH: dk gy, blk, frm,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, slty,  
calc.





9.4 OUT

50

CHALK B 6062' MD  
5955.54' TVD (2199.46' SS)

c

6100

SH: dk gy, blk, frm,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

6002' 202.30° 31.30° -261.81'

**GAS BLOWBACK**

50

MARLB 6170' MD  
6047.48' TVD (2107.52' SS)

c

**WOB 11**  
RPM 0  
PP 2890  
SPM 206

**MW 9.4**  
VIS 50

6200

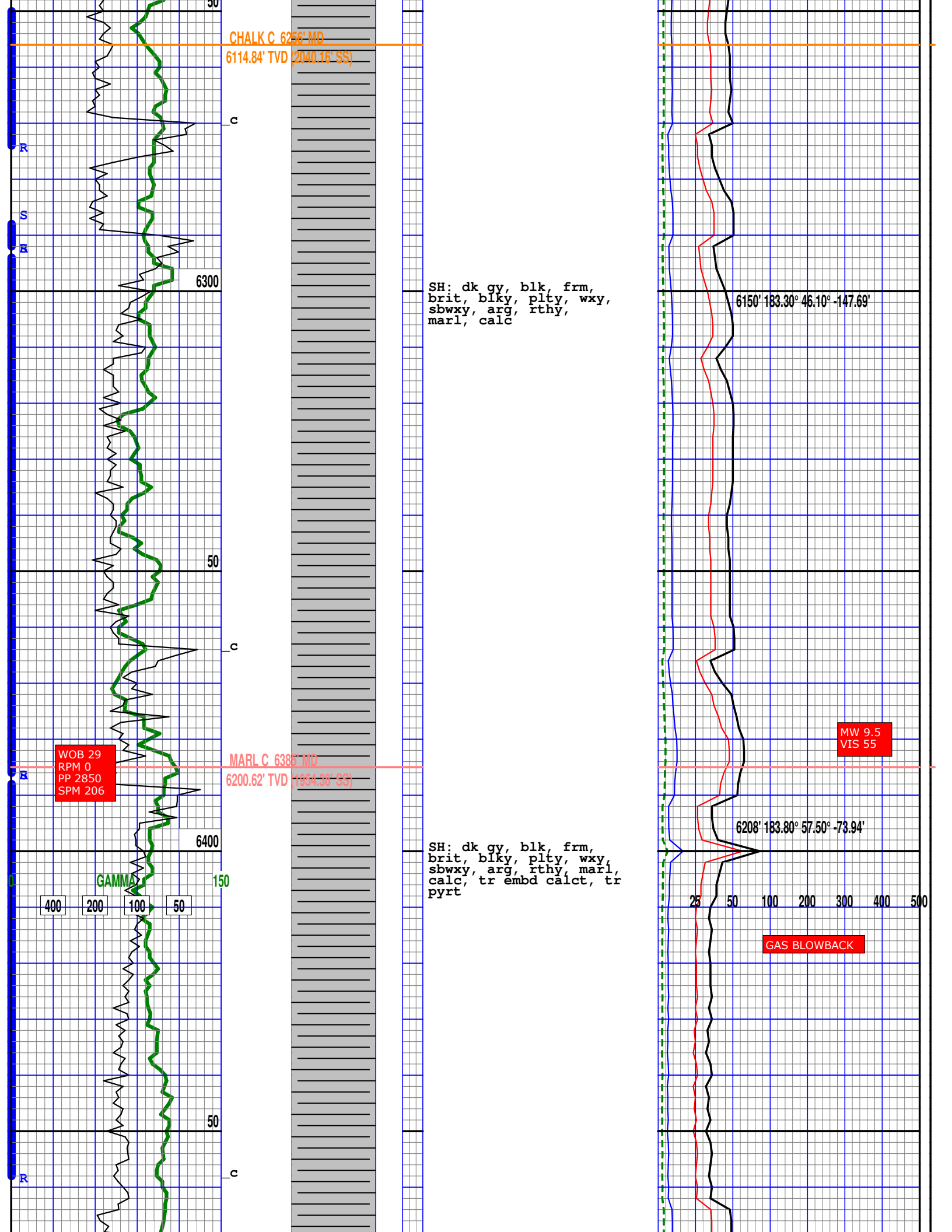
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brit, blk, plty, wxy,  
sbwxy, arg, rthy, slty,  
calc.

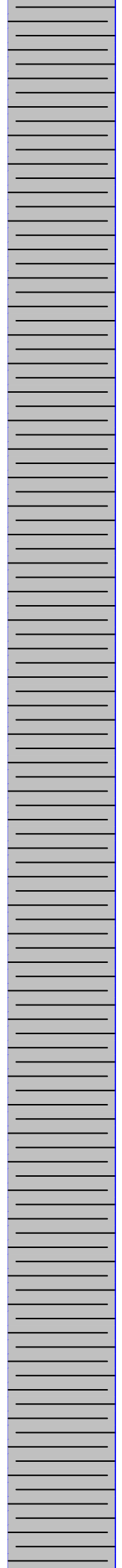
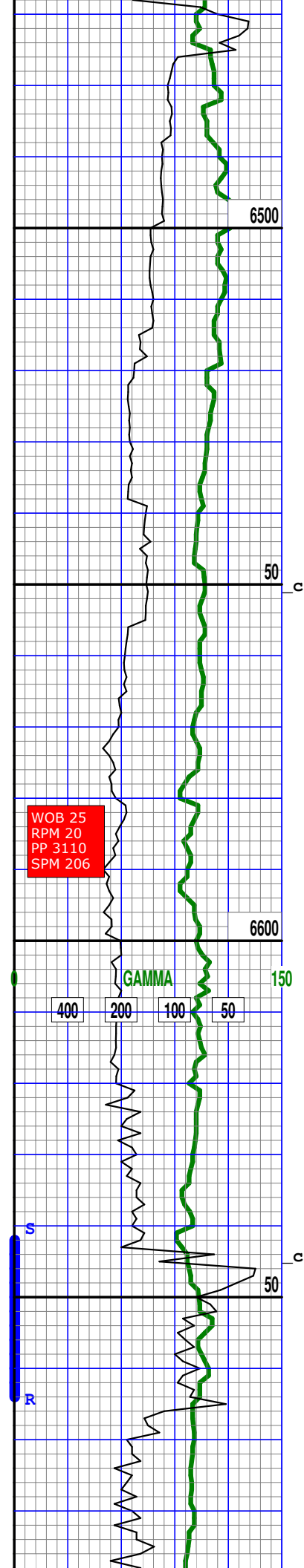
6080' 187.00° 37.40° -219.15'

GAMMA

400 200 100 50 150

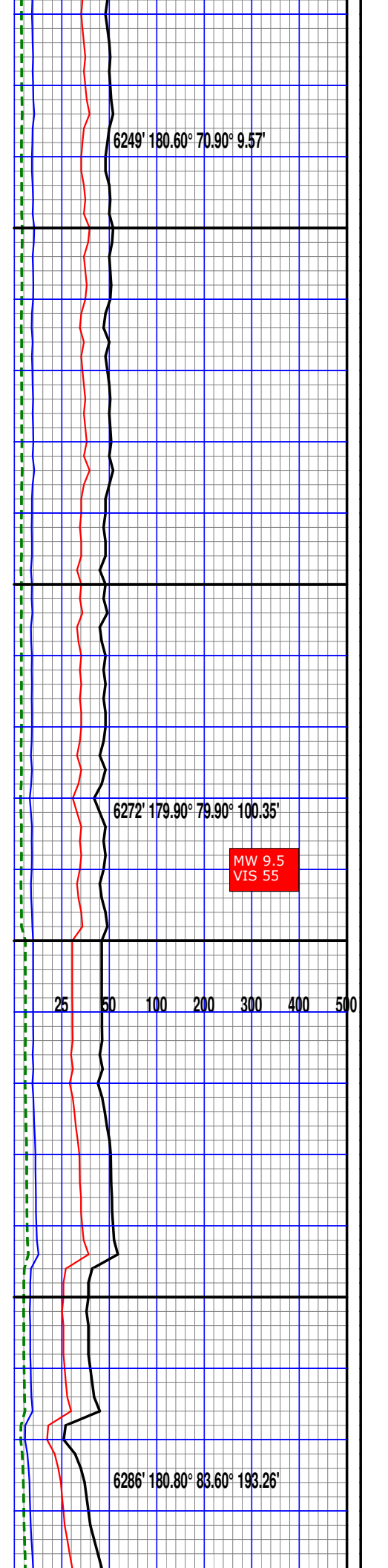
25 50 100 200 300 400 500

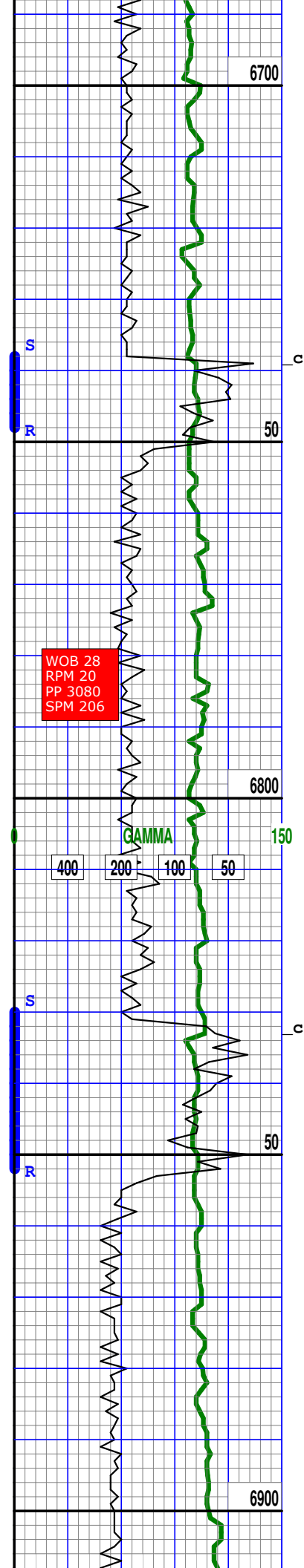




SH: dk gy, blk, frm,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr embd calct, tr  
pyrt

SH: dk gy, blk, frm,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr embd calct, tr  
pyrt

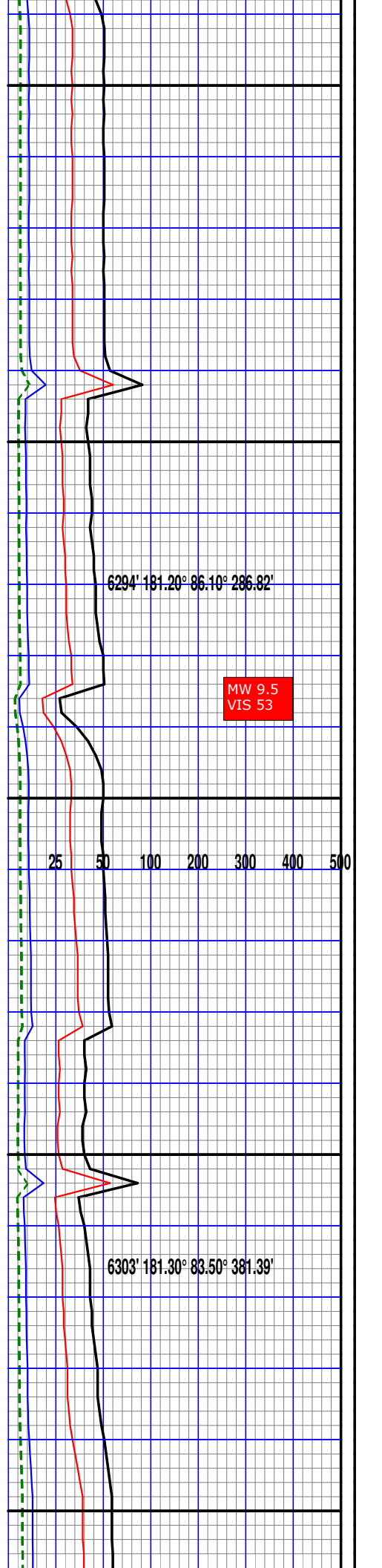


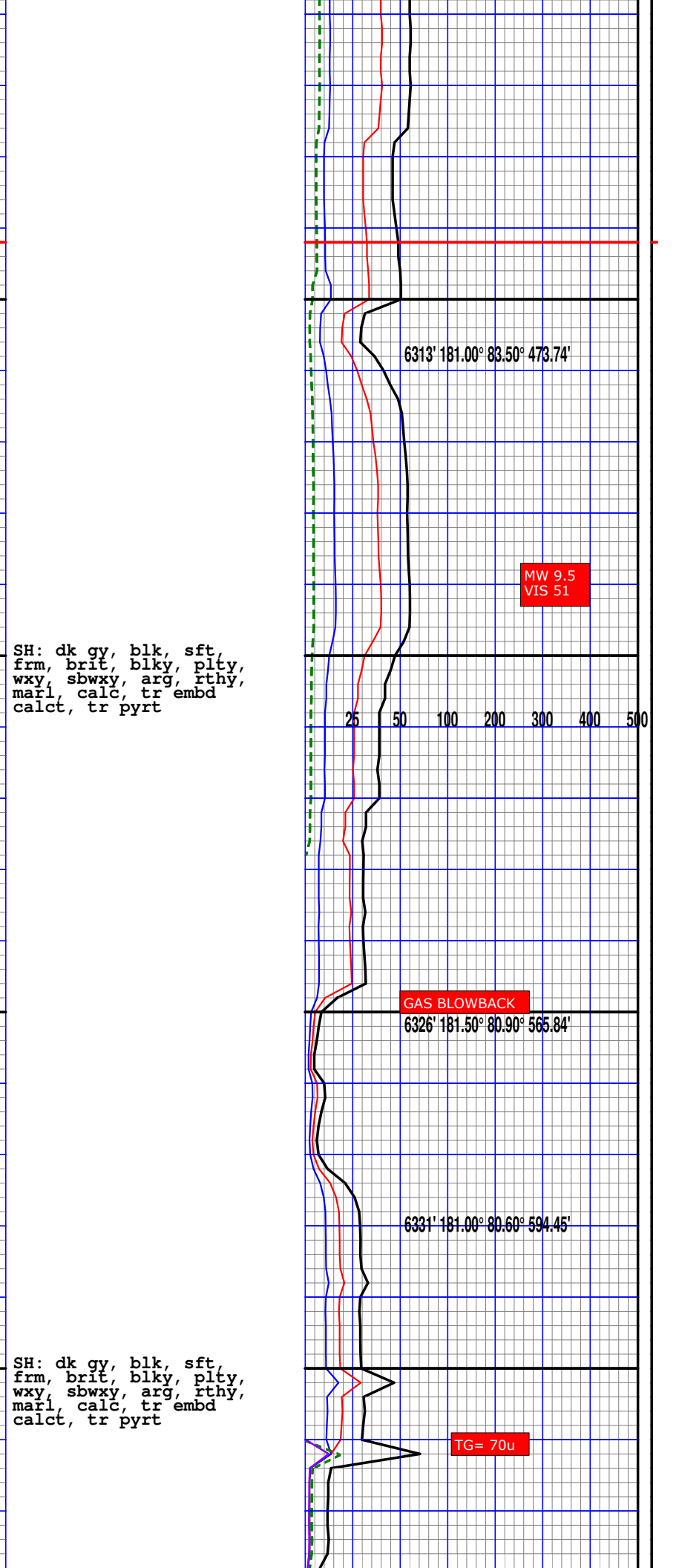
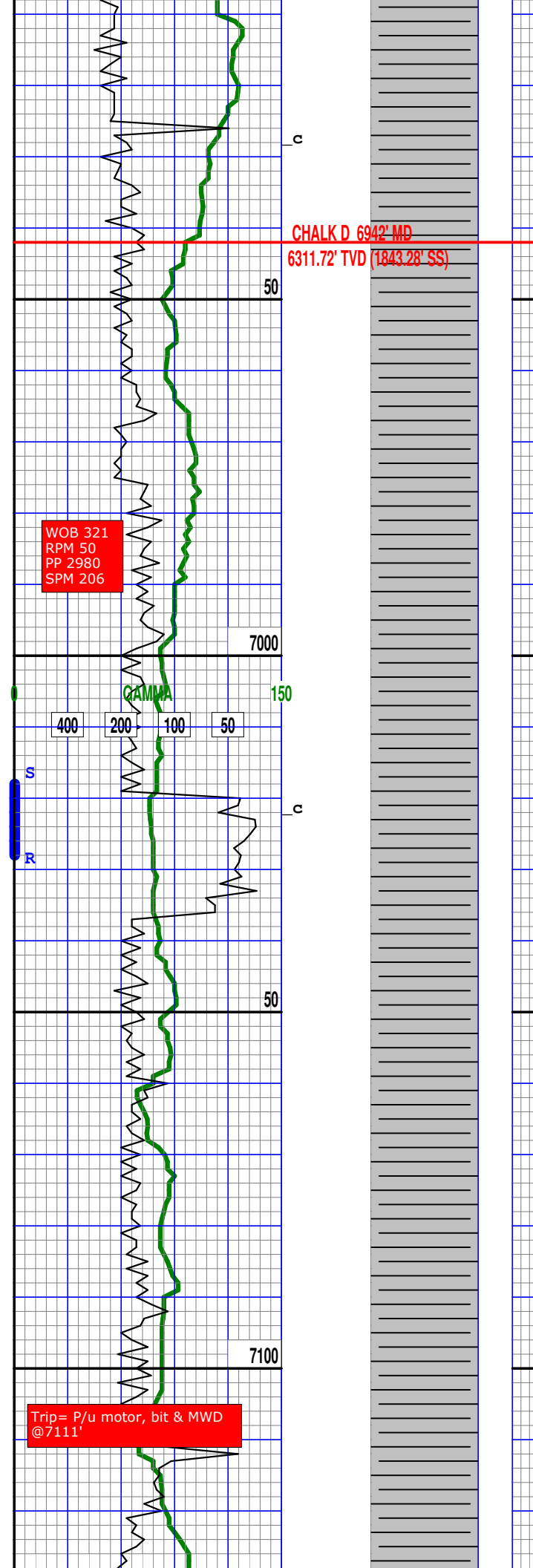


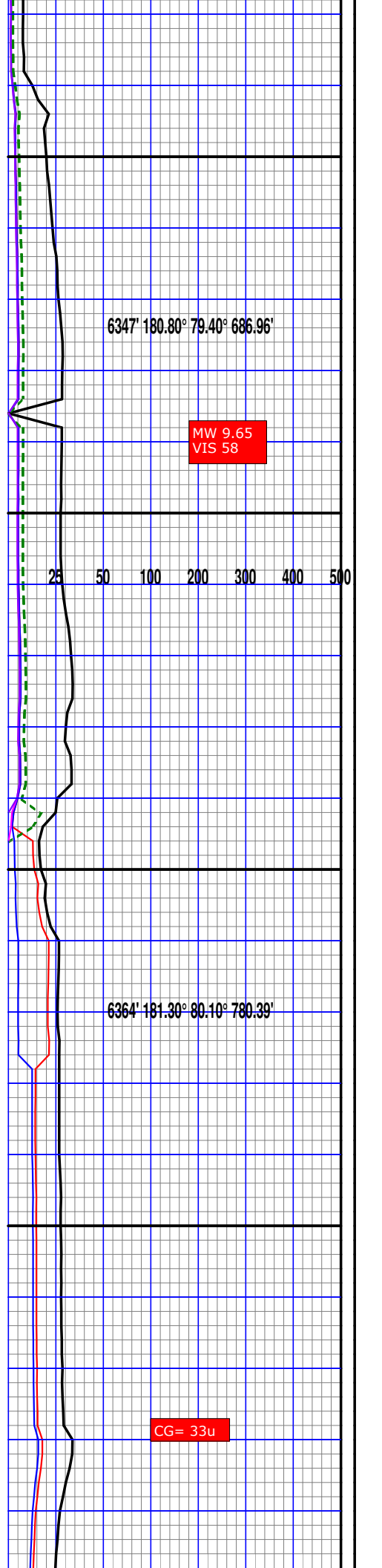
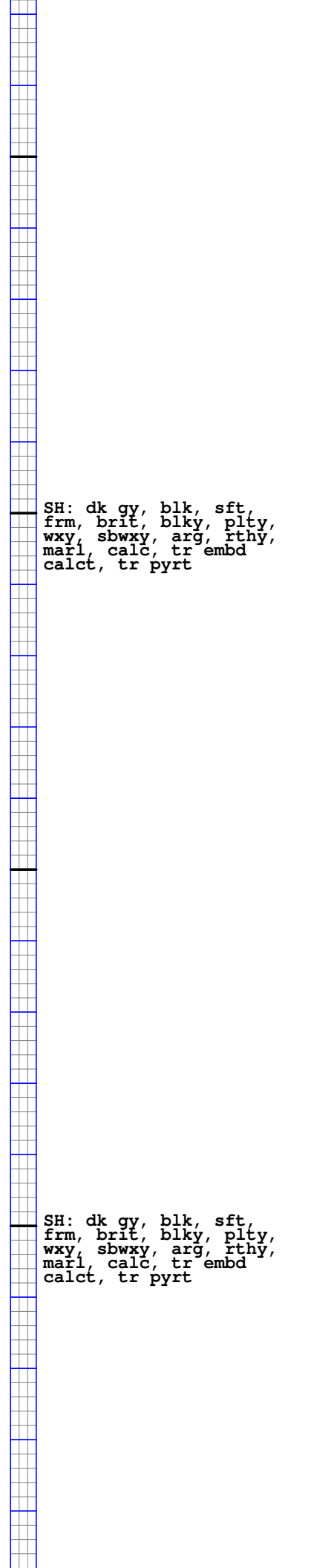
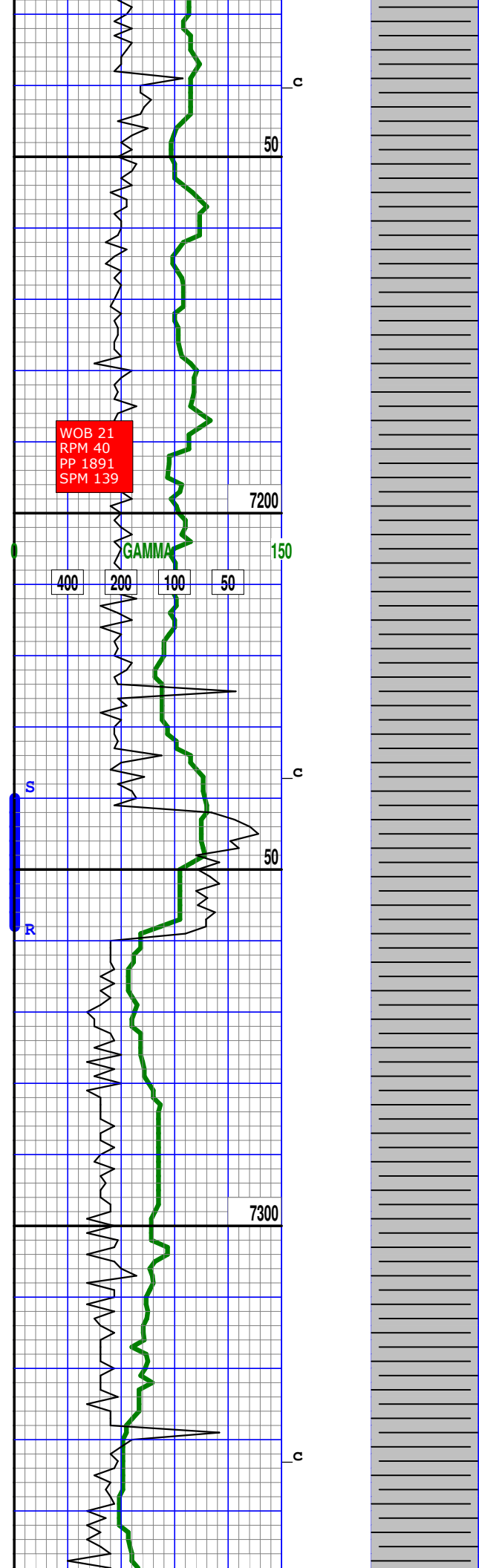
SH: dk gy, blk, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 calc, tr embd calct, tr  
 pyrt

SH: dk gy, blk, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 calc, tr embd calct, tr  
 pyrt

SH: dk gy, blk, frm,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 calc, tr embd calct, tr  
 pyrt

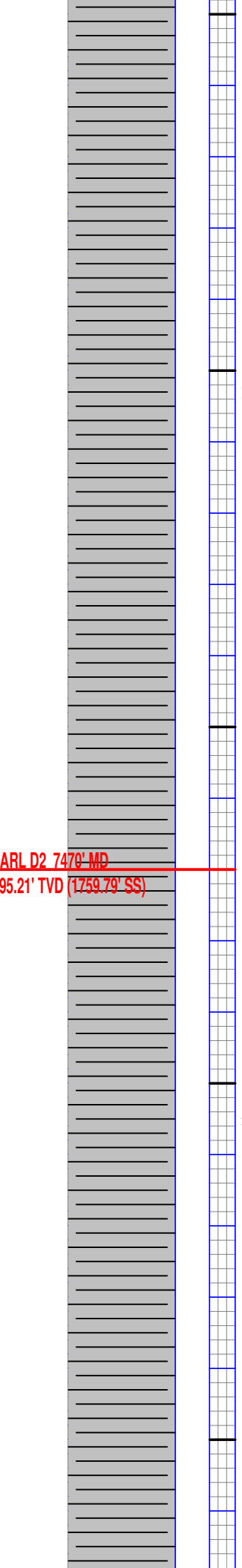
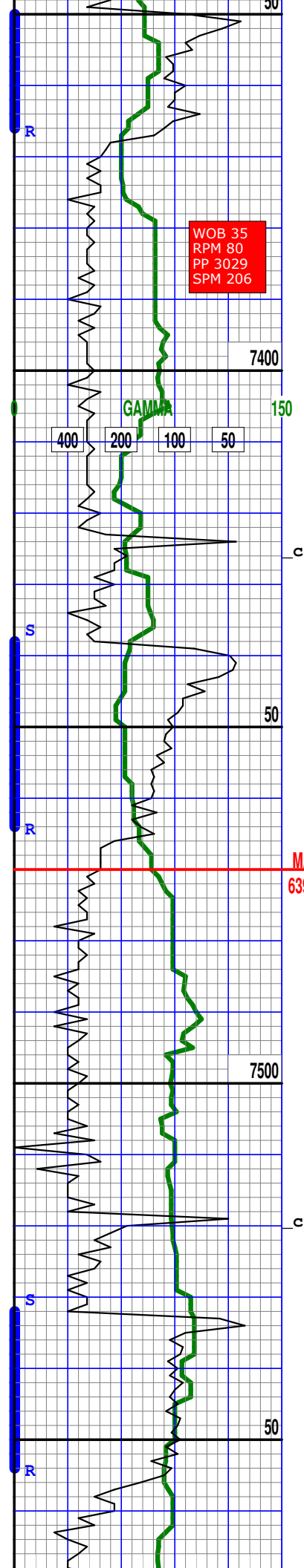






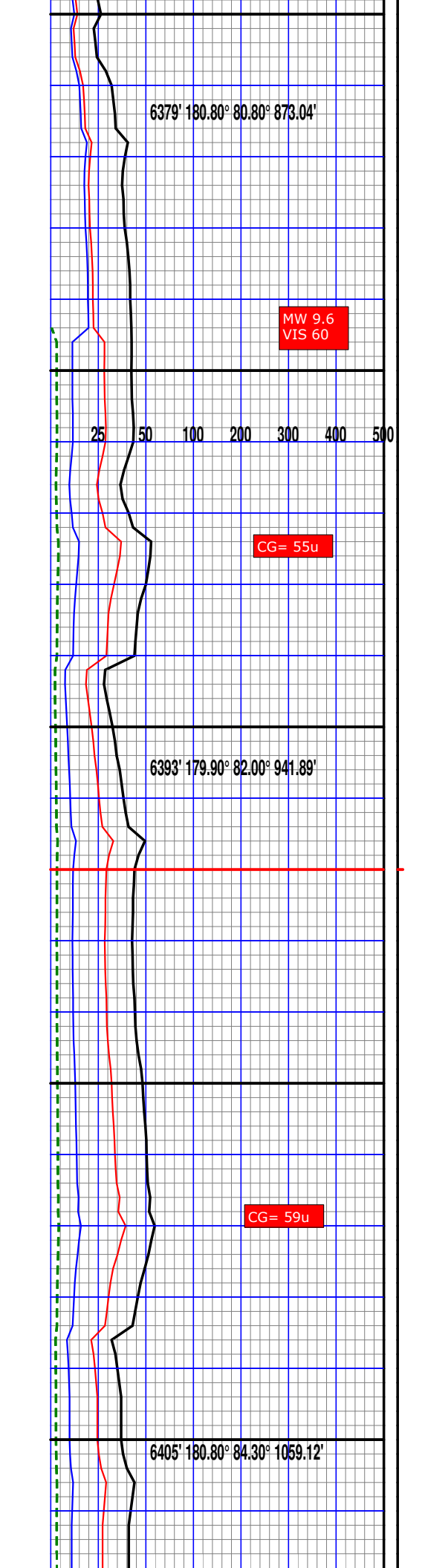
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wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt



SH: dk gy, blk, occ lt gy, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr embd calct, tr pyrt

SH: dk gy, blk, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr embd calct, tr pyrt



WOB 37  
RPM 80  
PP 2909  
SPM 206

7600

GAMMA

150

400

200

100

50

c

50

7700

c

S

R

50

WOB 25  
RPM 80  
PP 2996  
SPM 206

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr ash tr  
embd calct, tr pyrt

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

MW 9.6  
VIS 60

CG= 64u

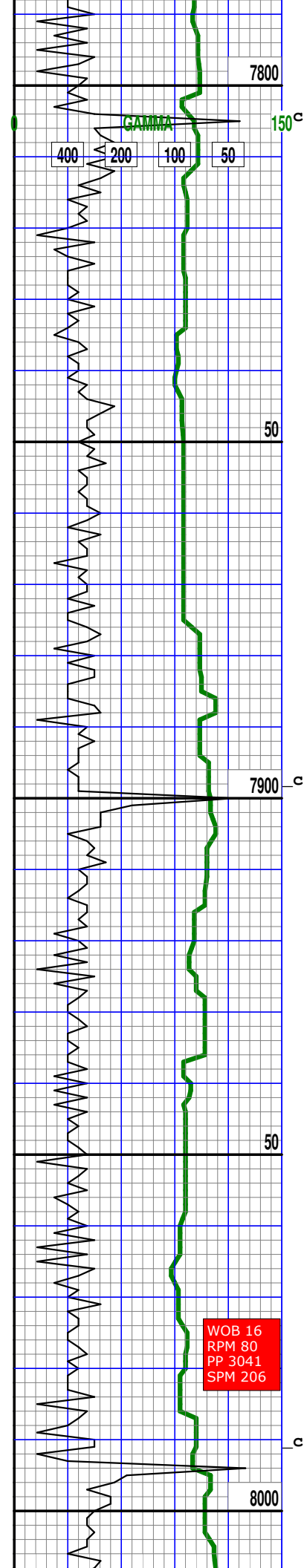
6414' 181.20° 83.90° 1152.57'

CG= 69u

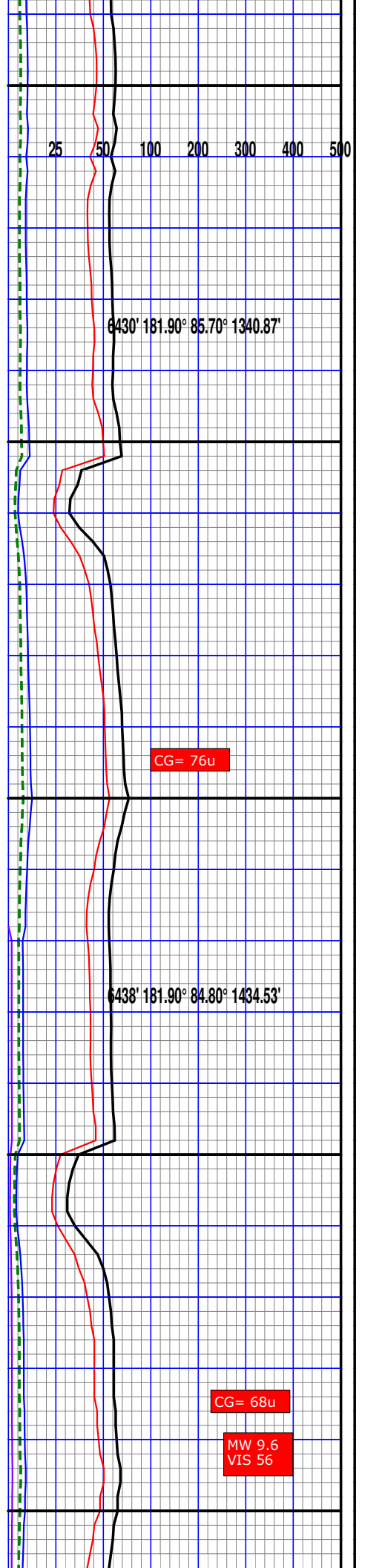
6423' 181.90° 85.70° 1246.15'

MW 9.55

25 50 100 200 300 400 500

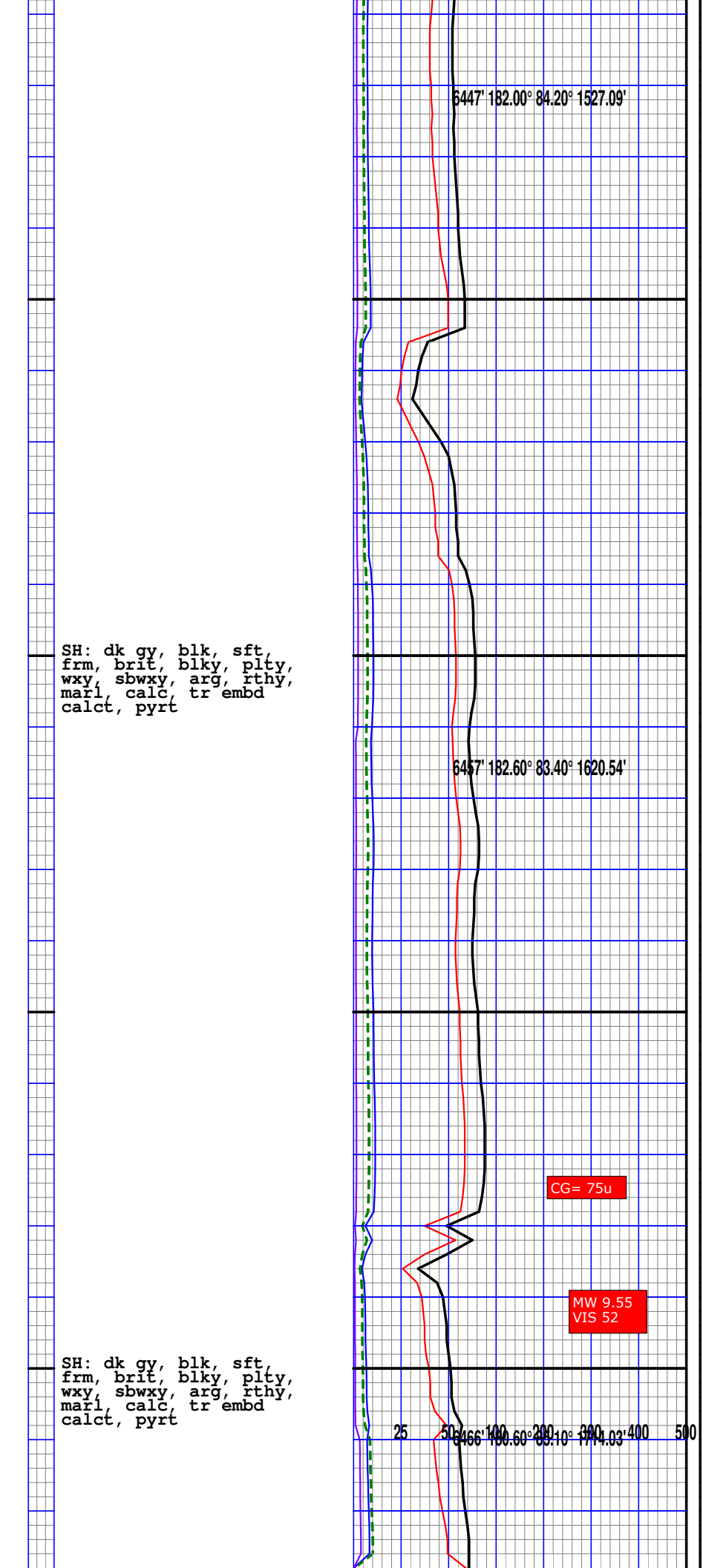
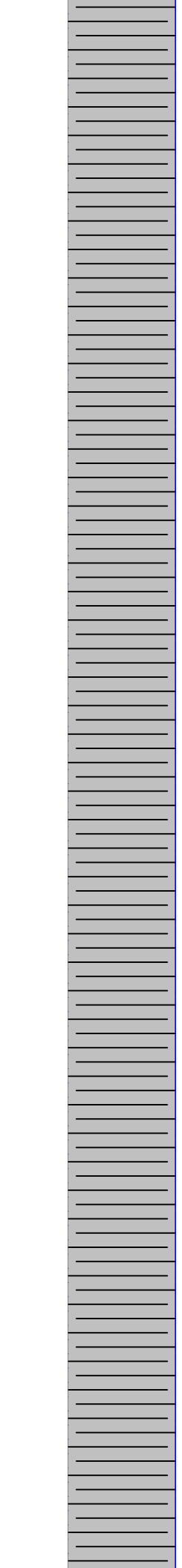
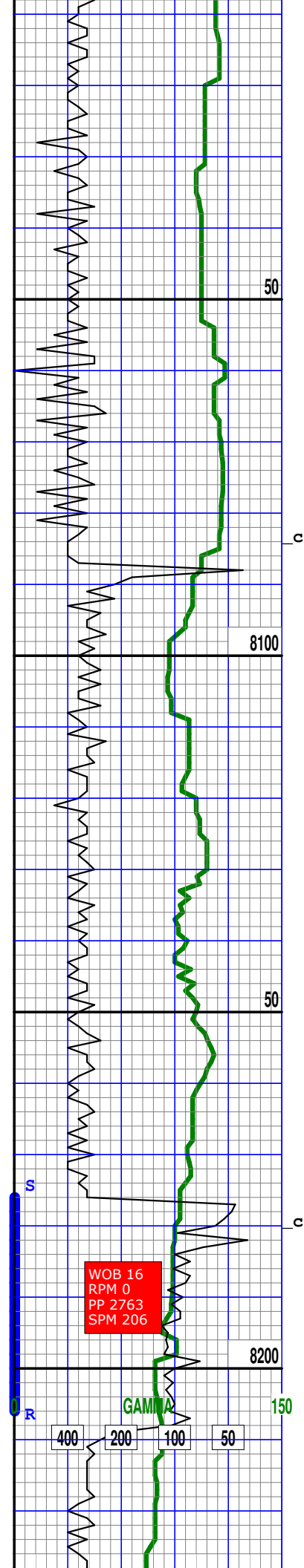


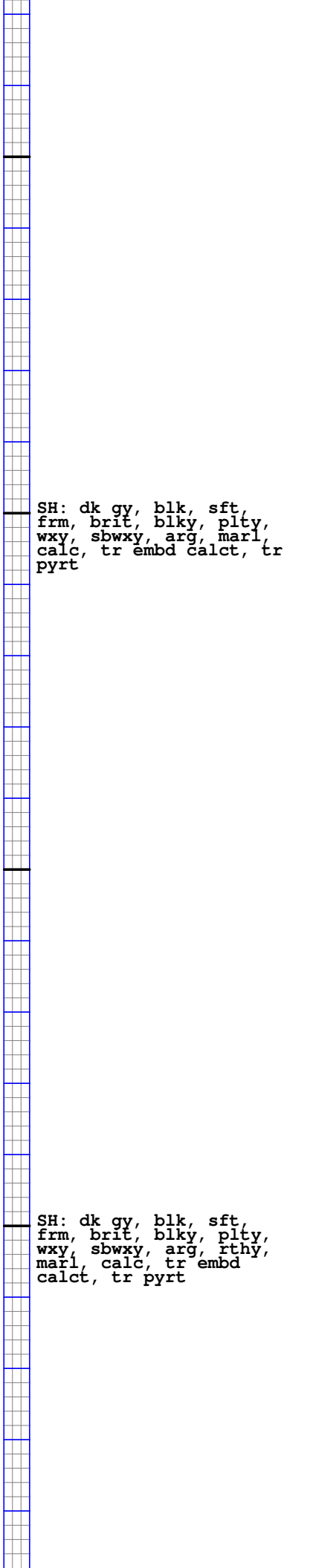
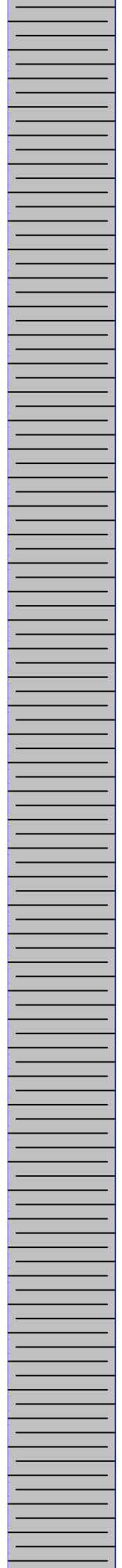
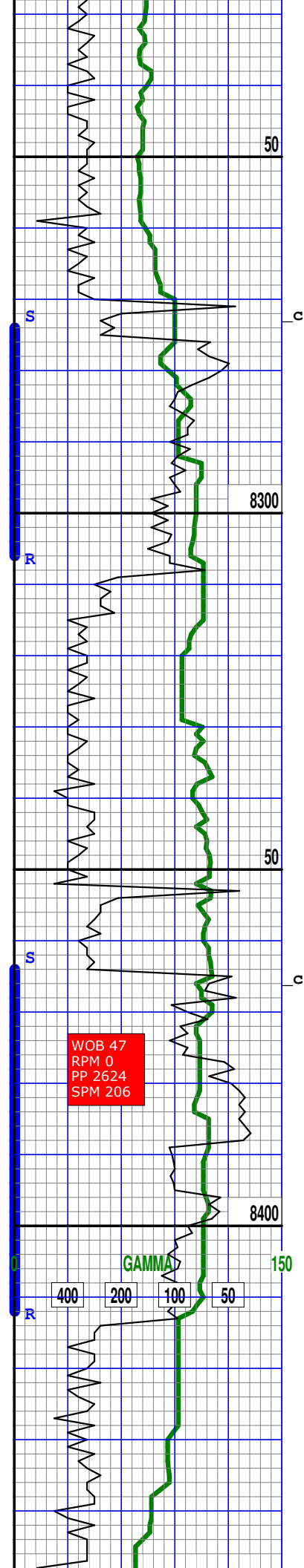
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marl, calc, tr embd  
calct, tr pyrt



SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
calc, tr embd calct, tr  
pyrt

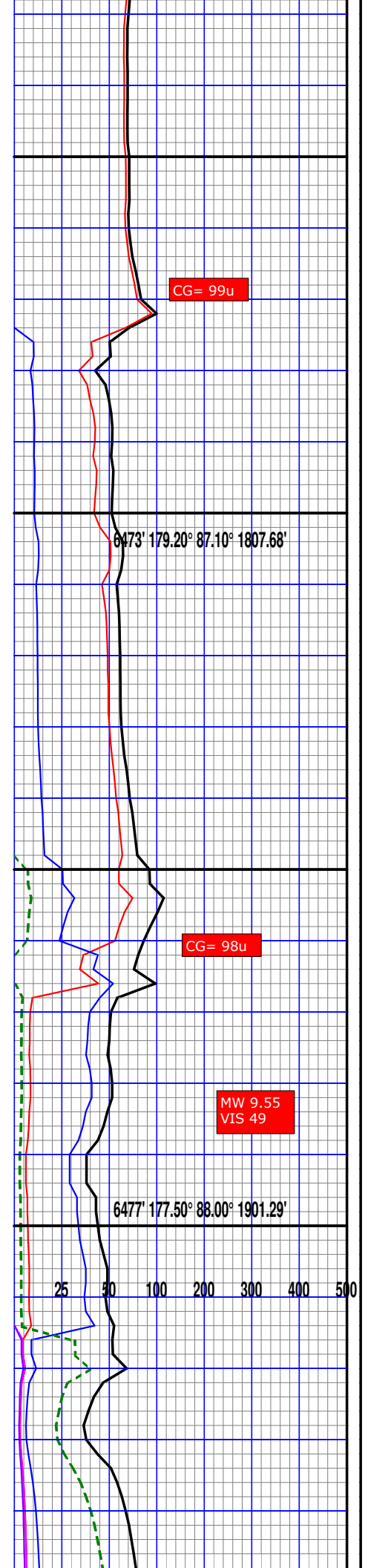
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marl, calc, tr embd  
calct, tr pyrt

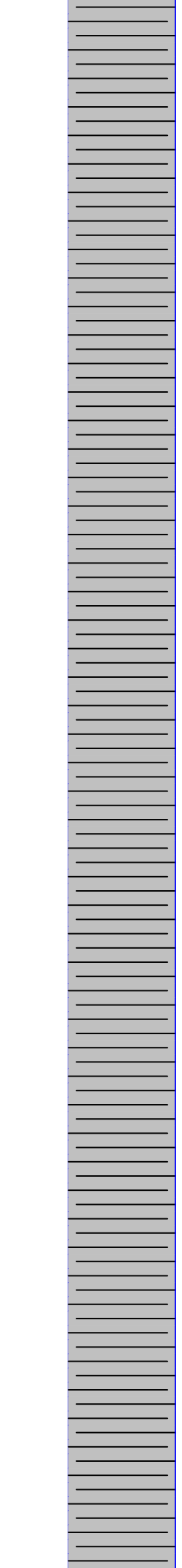
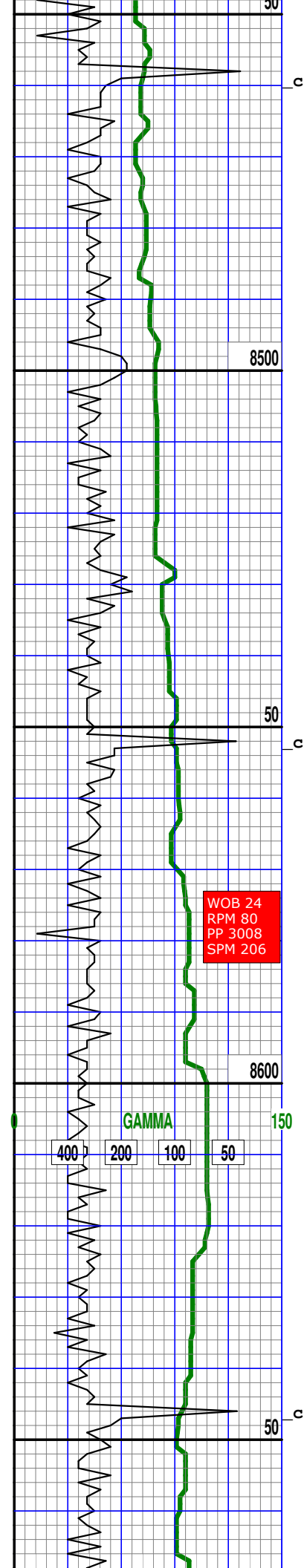




SH: dk gy, blk, sft,  
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calc, tr embd calct, tr  
pyrt

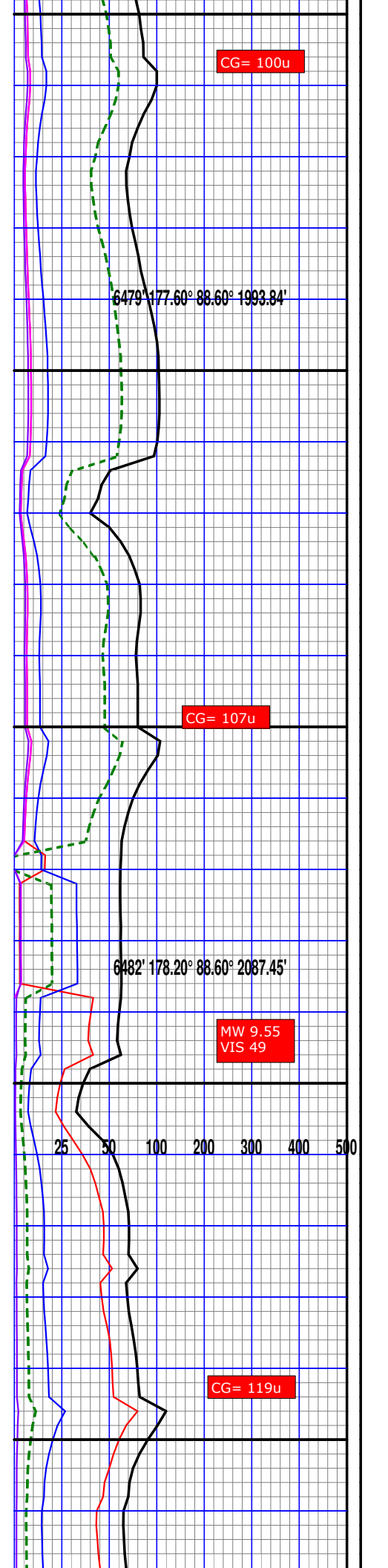
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wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

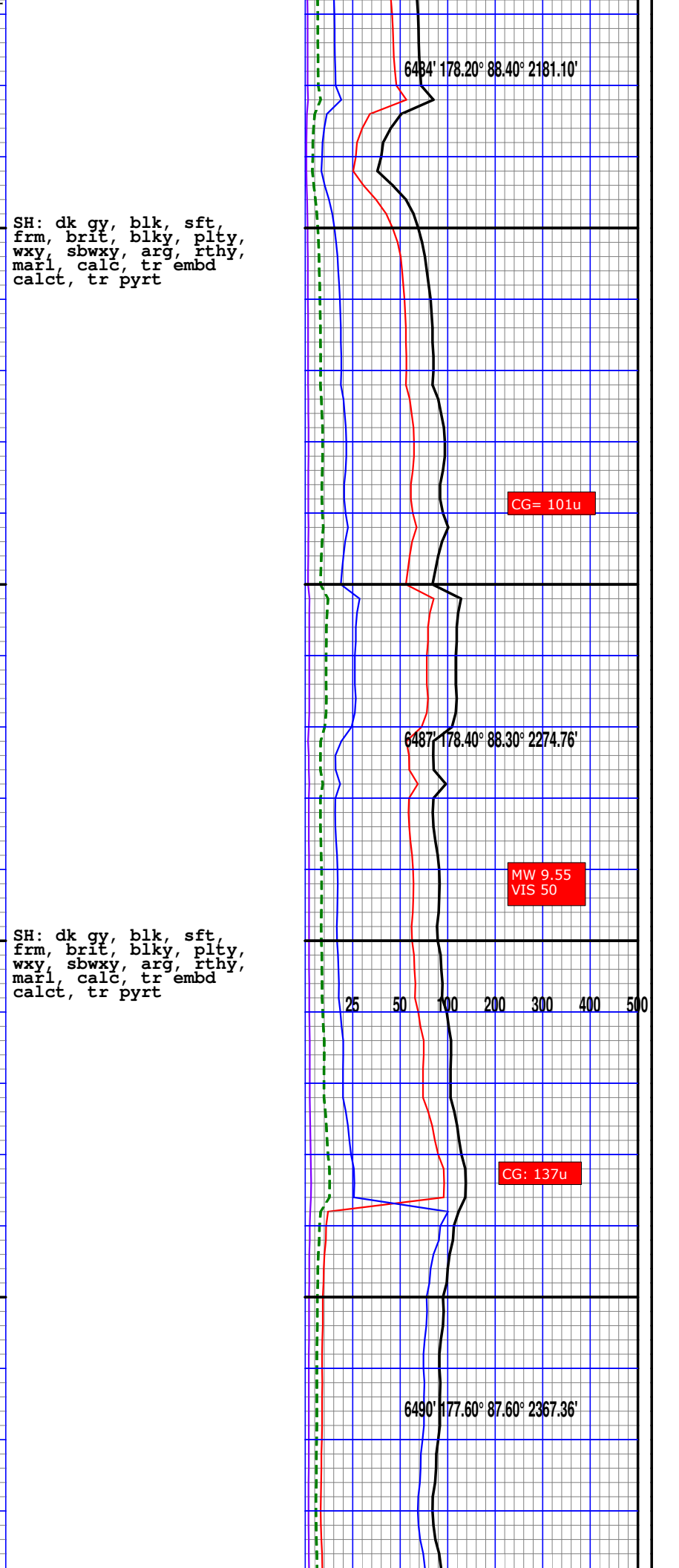
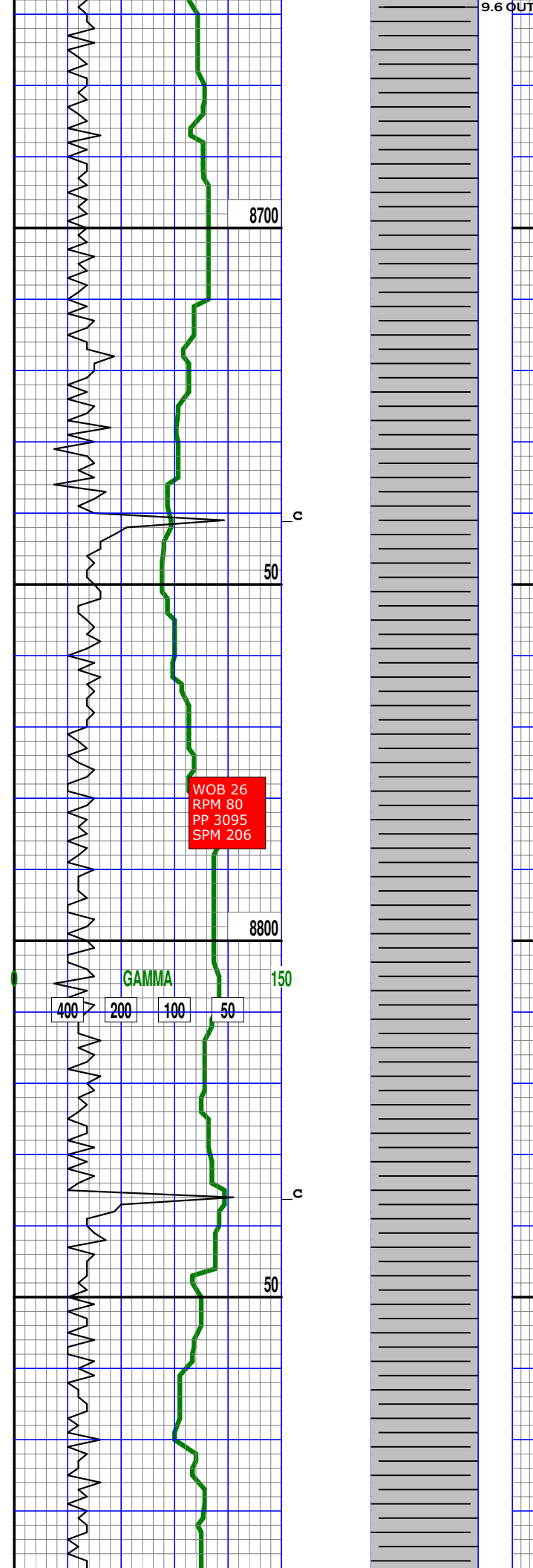


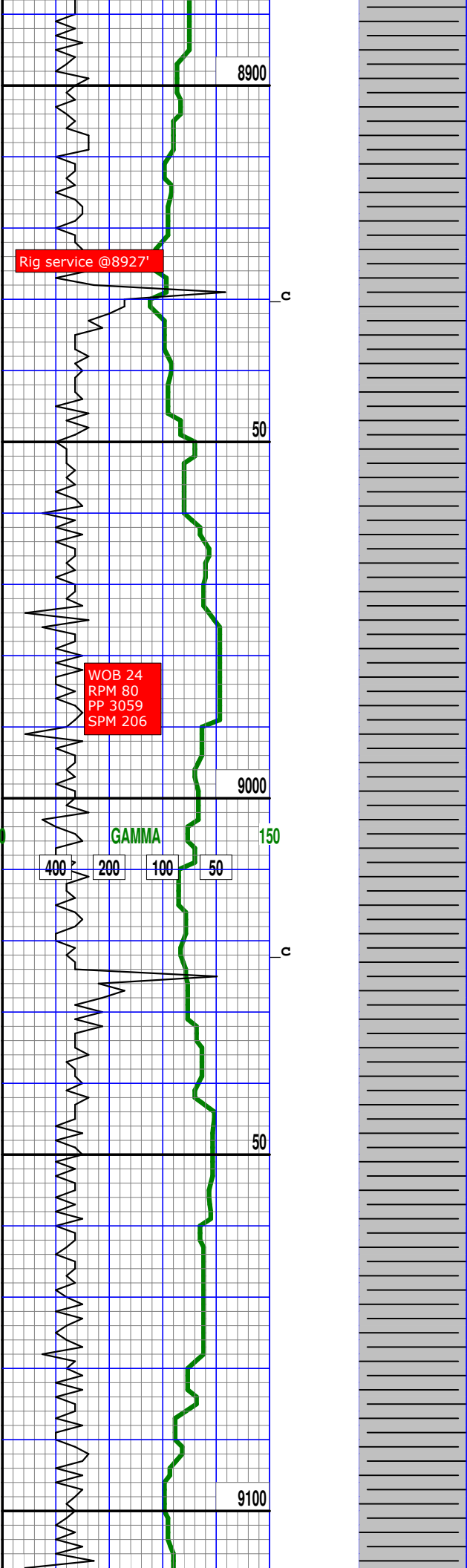


SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr calct, tr  
pyrt

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt



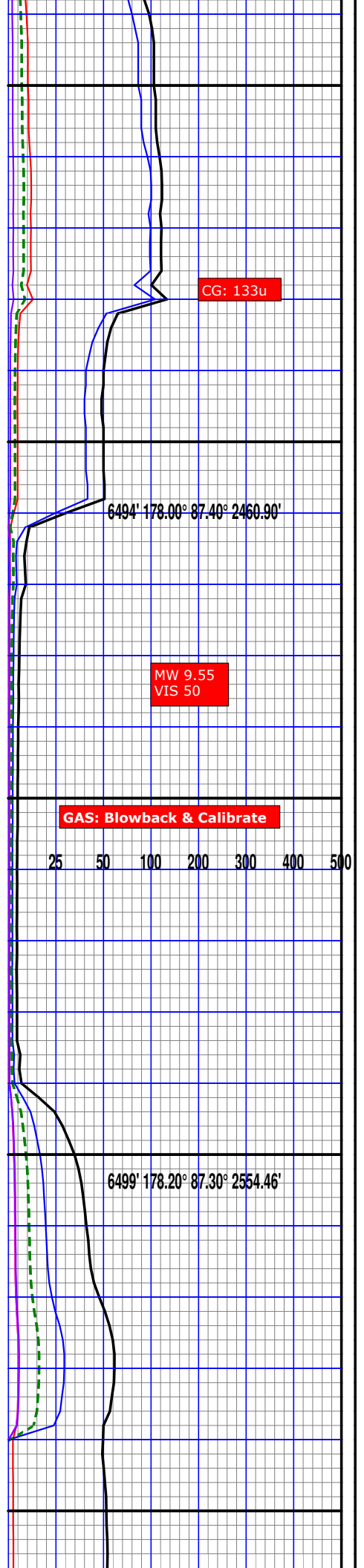


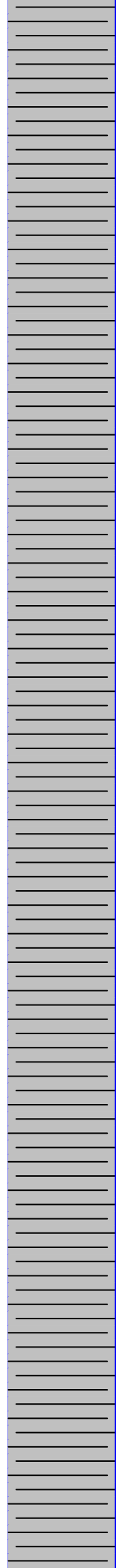
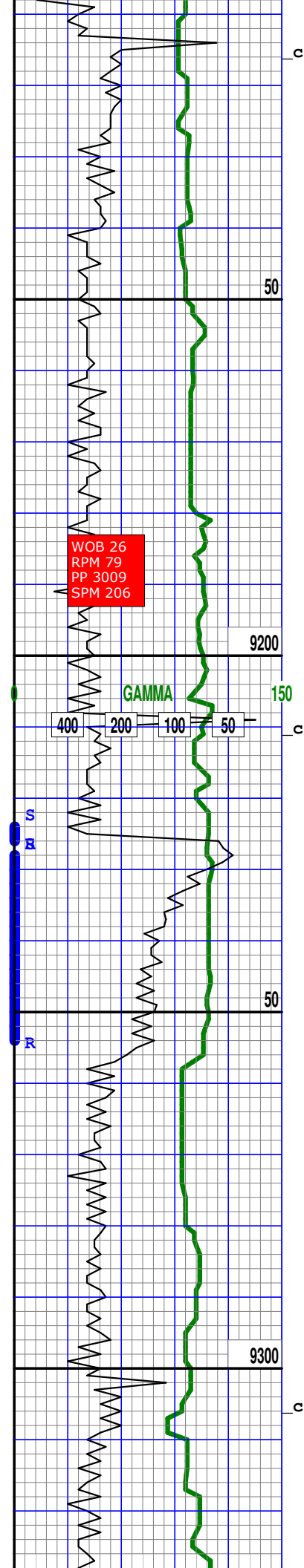


SH: dk gy, blk, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr embd calct, tr pyrt

SH: dk gy, blk, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr embd calct, tr pyrt

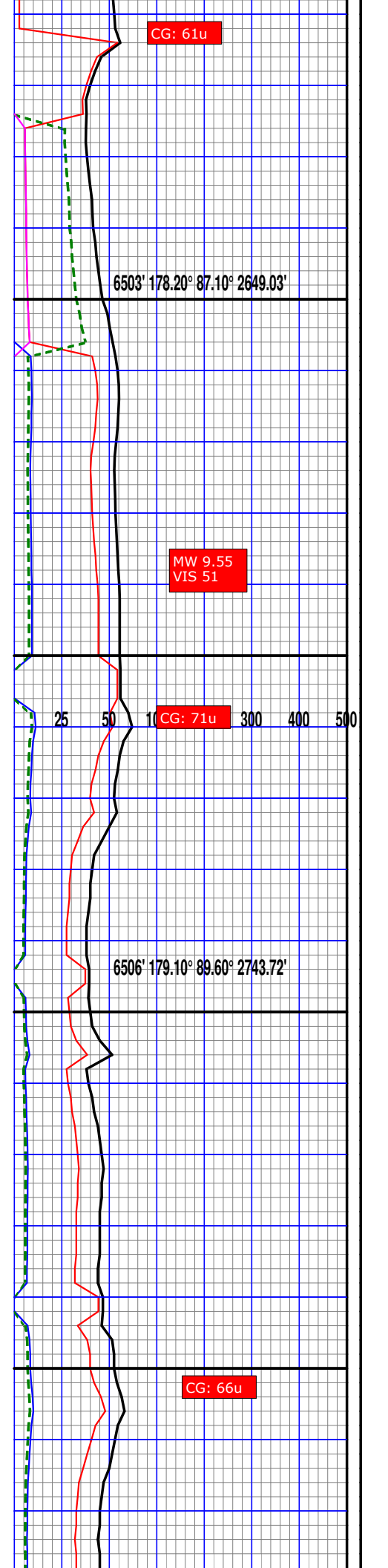
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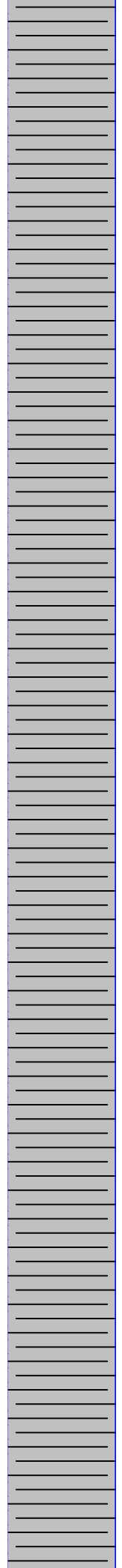
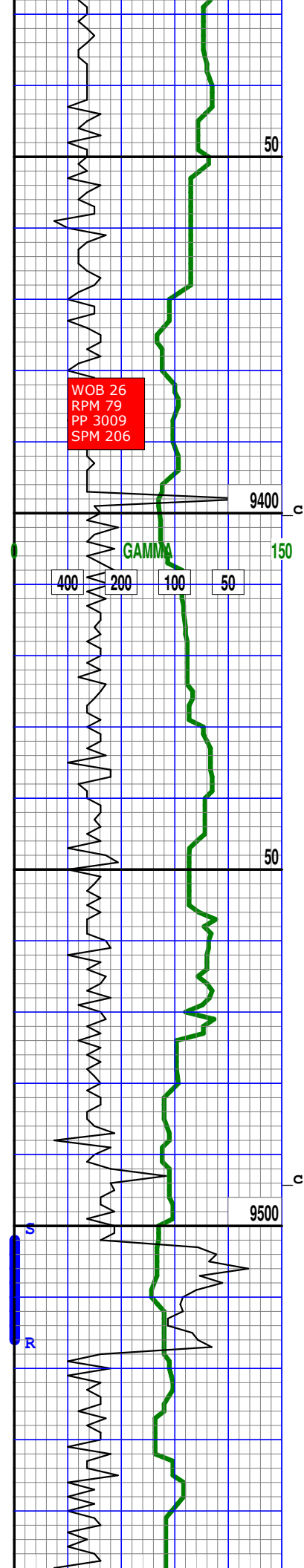




SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

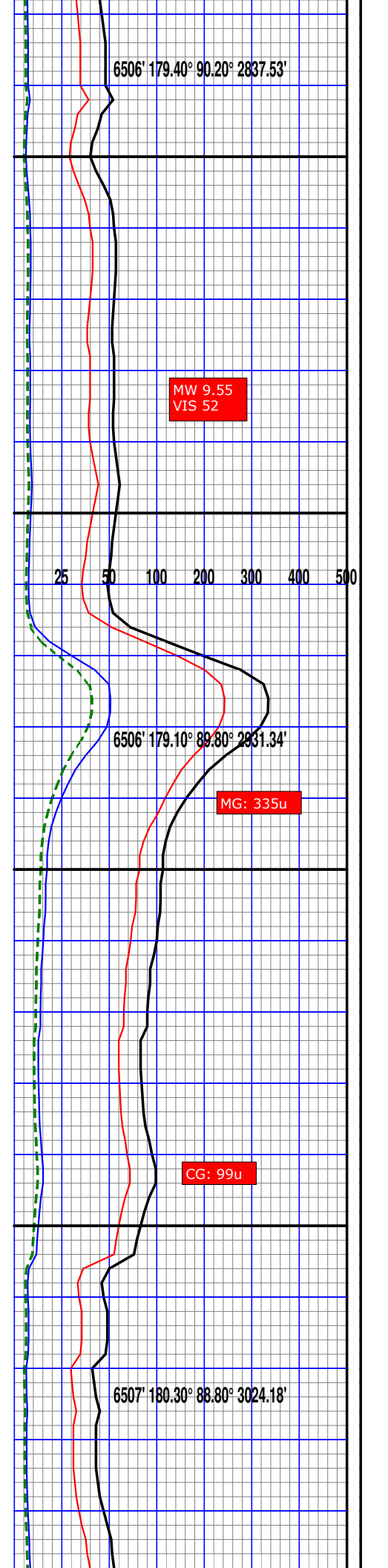
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frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

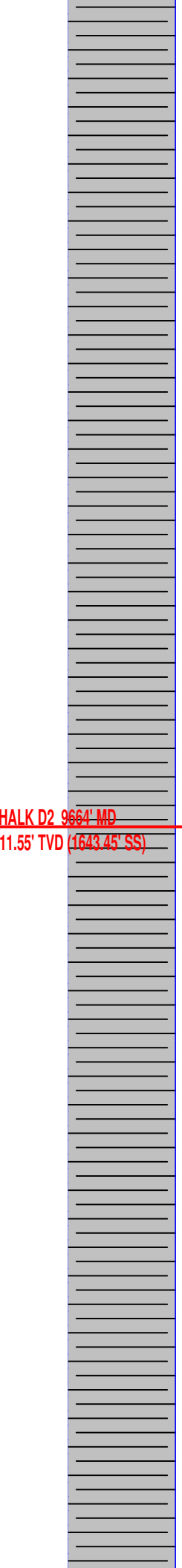
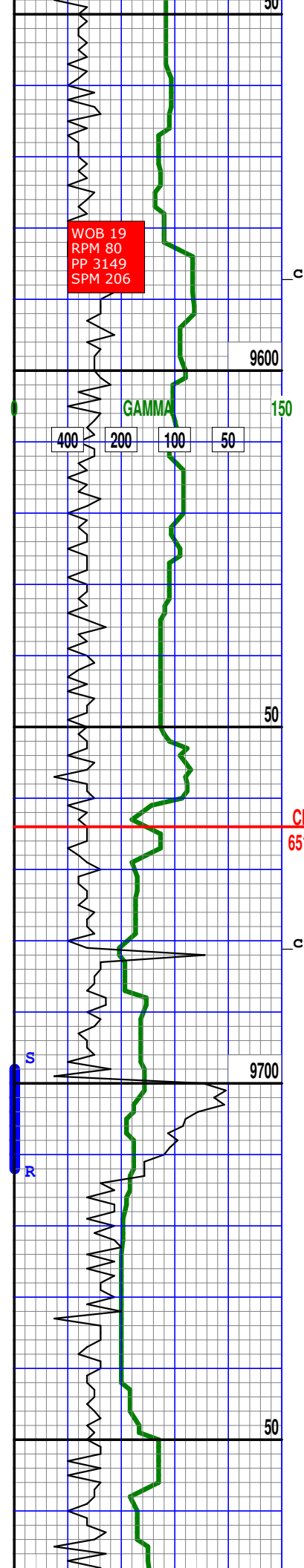




SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt

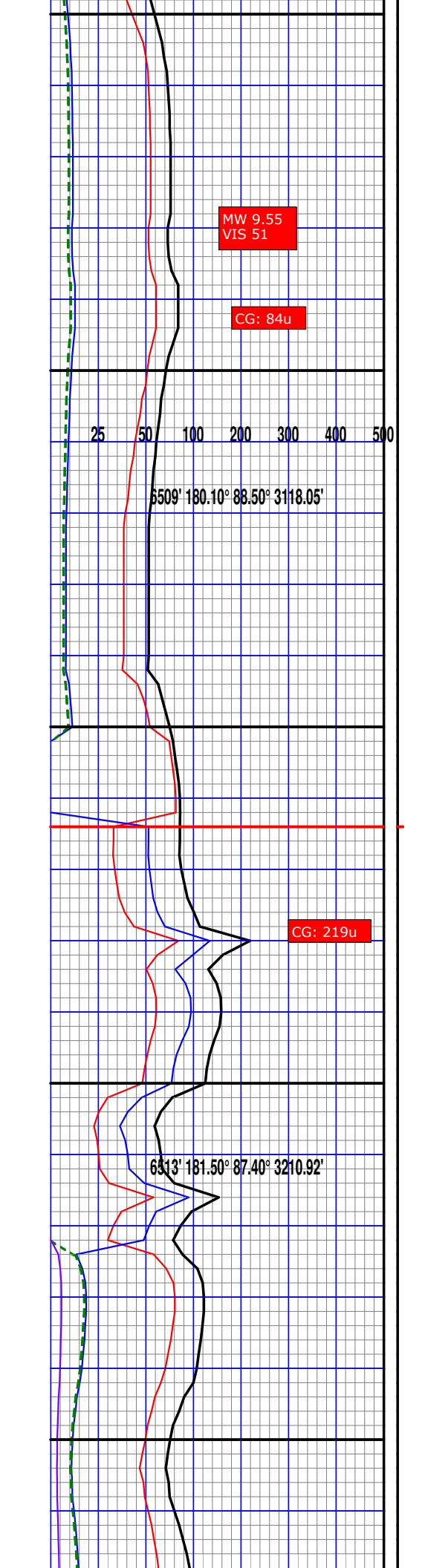
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wxy, sbwxy, arg, rthy,  
marl, calc, tr embd  
calct, tr pyrt





SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, calc, tr pyrt

SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, calc, tr pyrt



WOB 24  
RPM 80  
PP 3264  
SPM 206

GAMMA

400 200 100 50

9800

150

50

9900

50

WOB 36

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr pyrt,  
tr emd calct

SH: dk gy, blk, sft,  
frm, brit, blk, plty,  
wxy, sbwxy, arg, rthy,  
marl, calc, tr pyrt,  
tr emd calct

CG: 157u

MW 9.55  
VIS 51

6516' 182.00° 88.70° 3304.85'

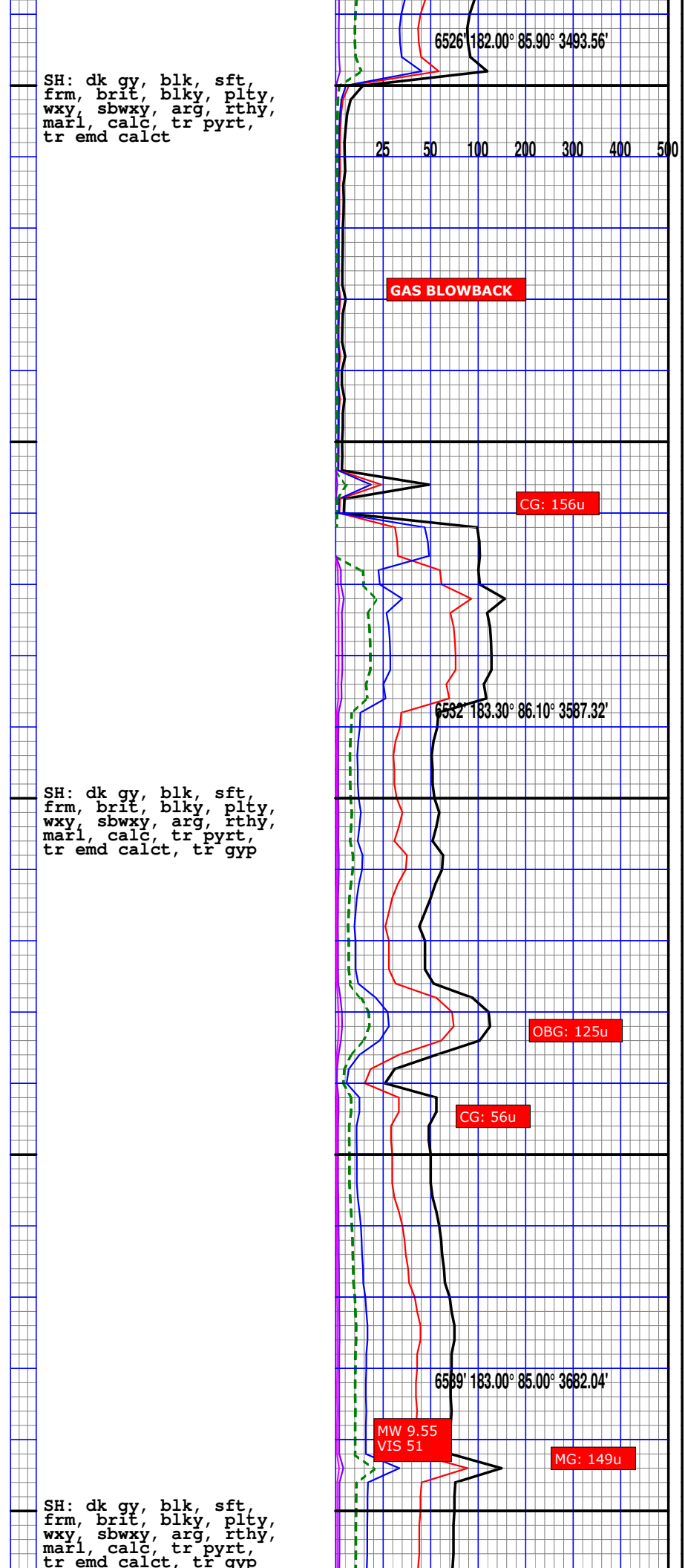
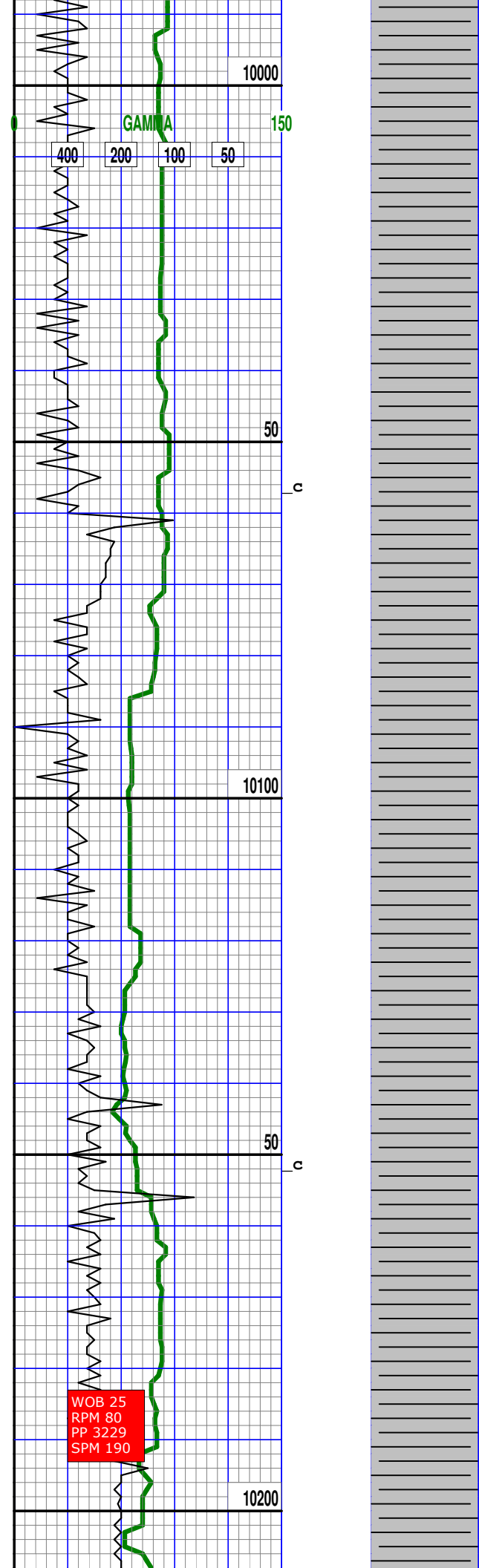
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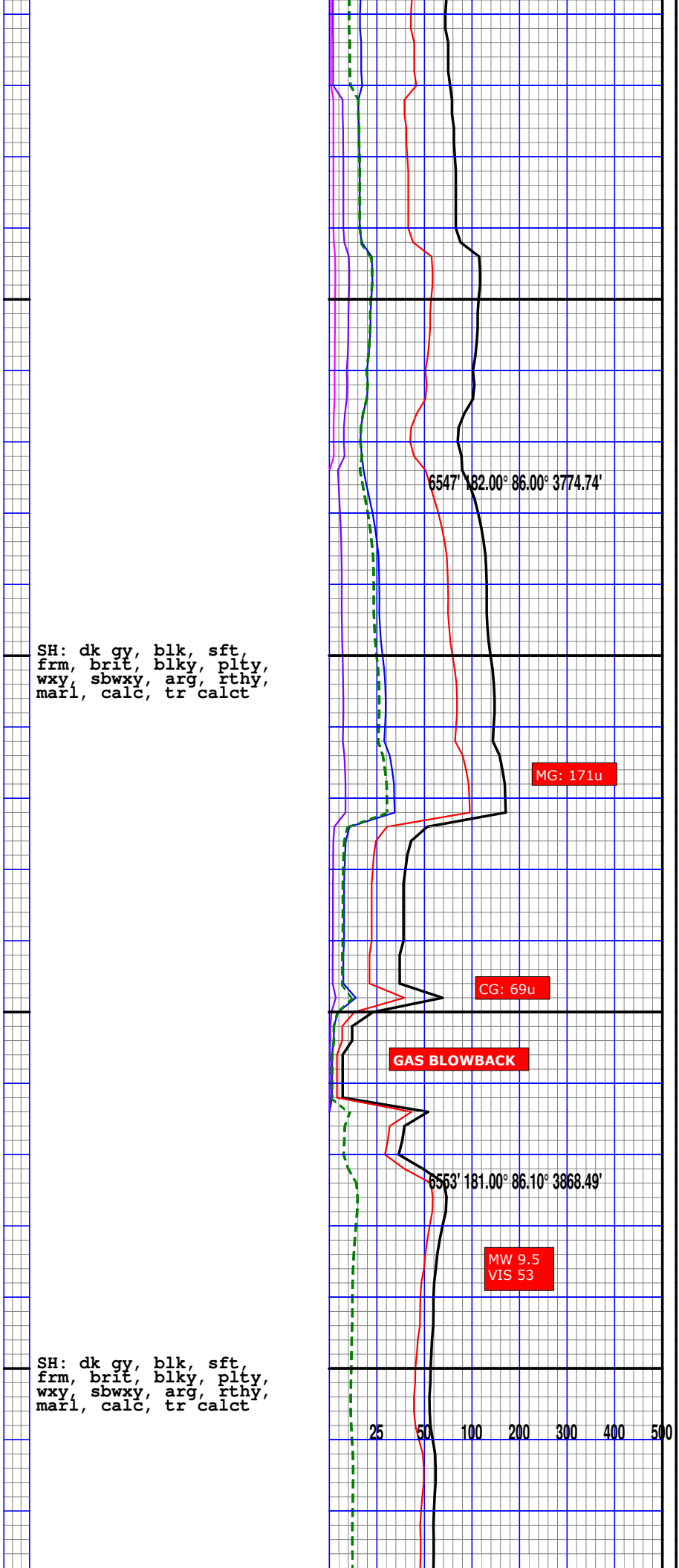
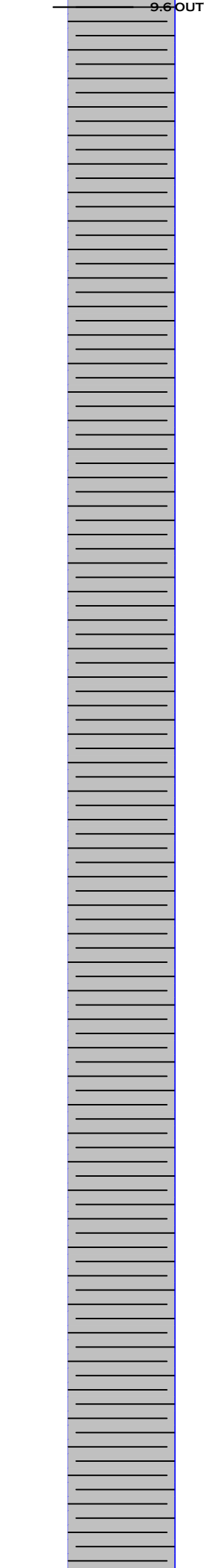
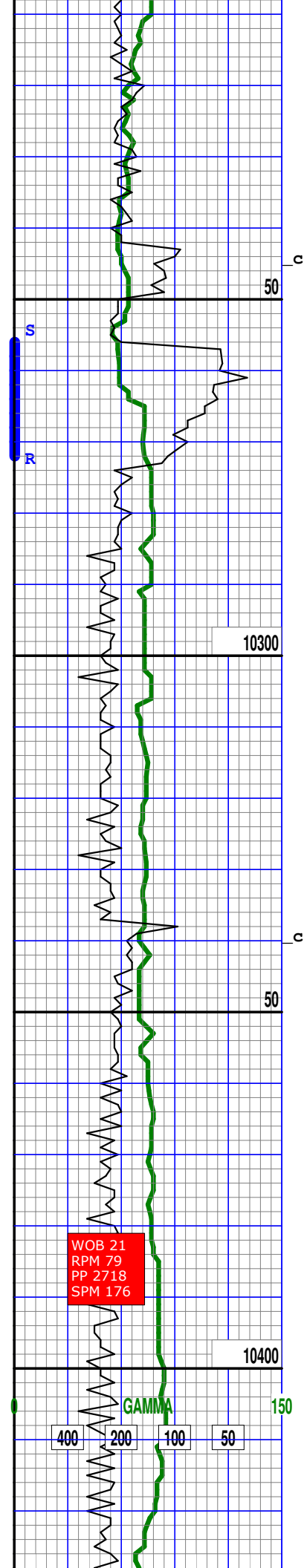
MG: 89u

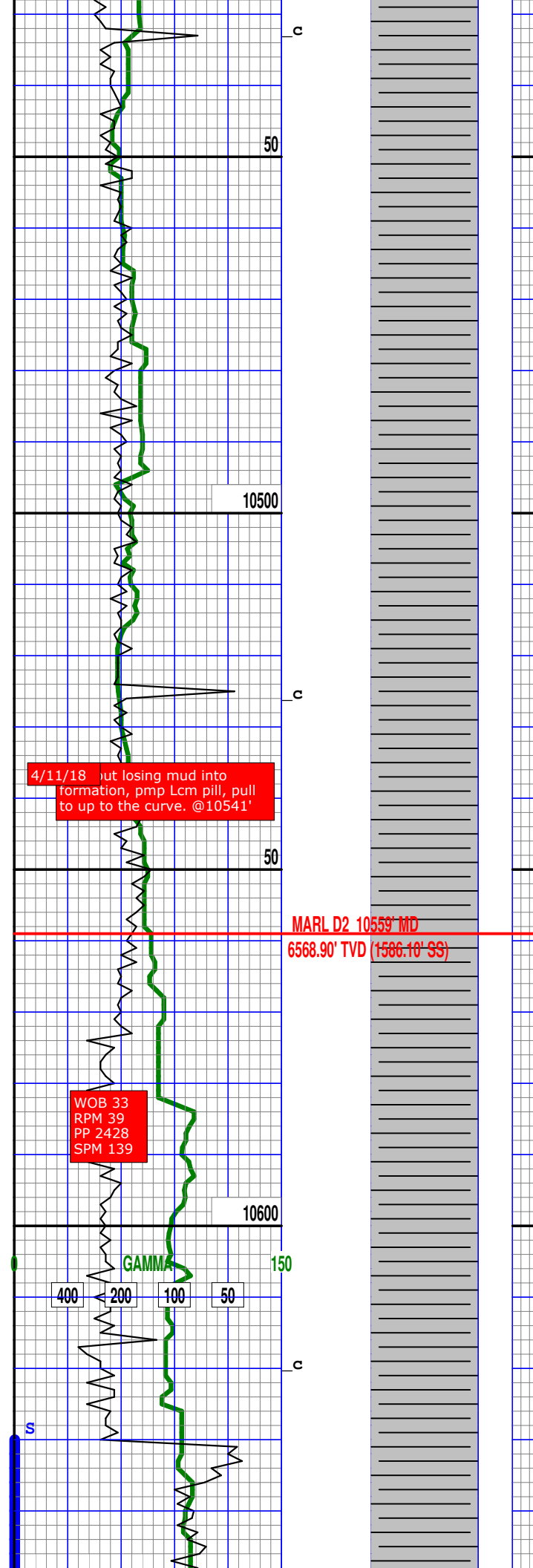
CG: 133u

6520' 181.90° 86.90° 3397.76'

MW 9.55  
VIS 51







4/11/18 put losing mud into formation, pmp Lcm pill, pull to up to the curve. @10541'

WOB 33  
RPM 39  
PP 2428  
SPM 139

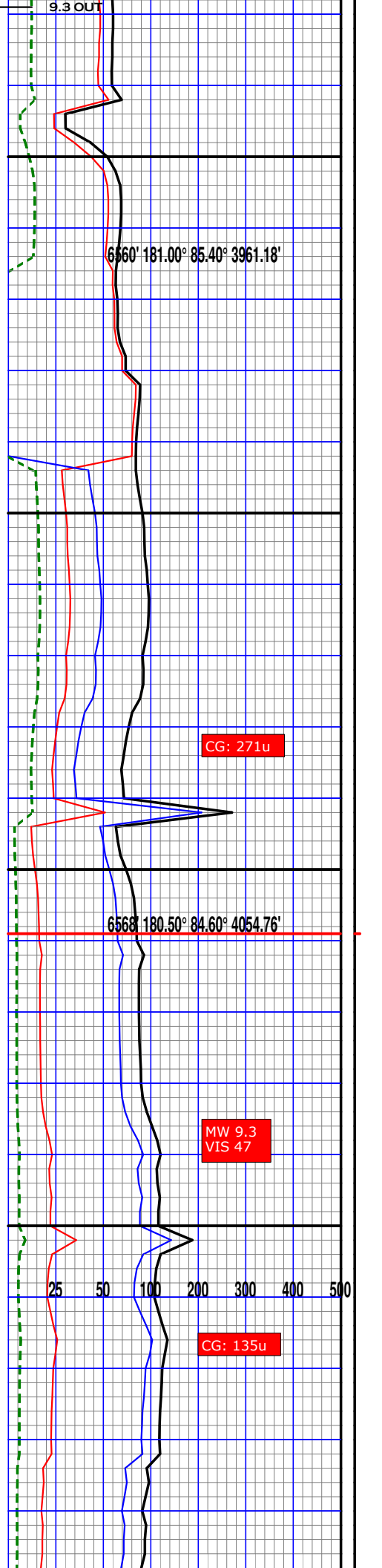
GAMMA

400 200 100 50

MARL D2 10559' MD  
6568.90' TVD (1586.10' SS)

SH: dk gy, blk, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr calc

SH: dk gy, blk, sft, frm, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, v calc, tr calc



9.3 OUT

6560' 181.00° 85.40° 3961.18'

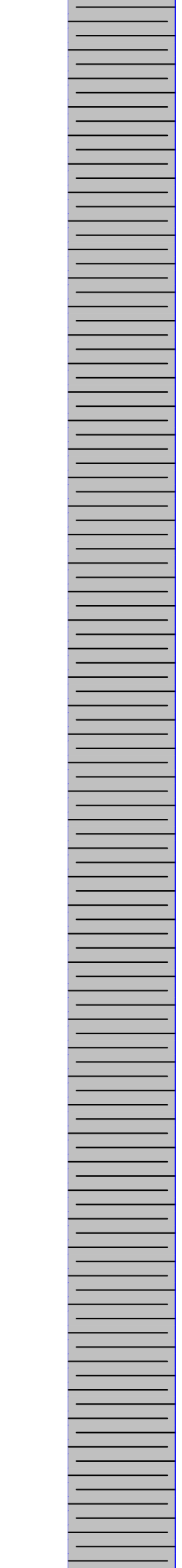
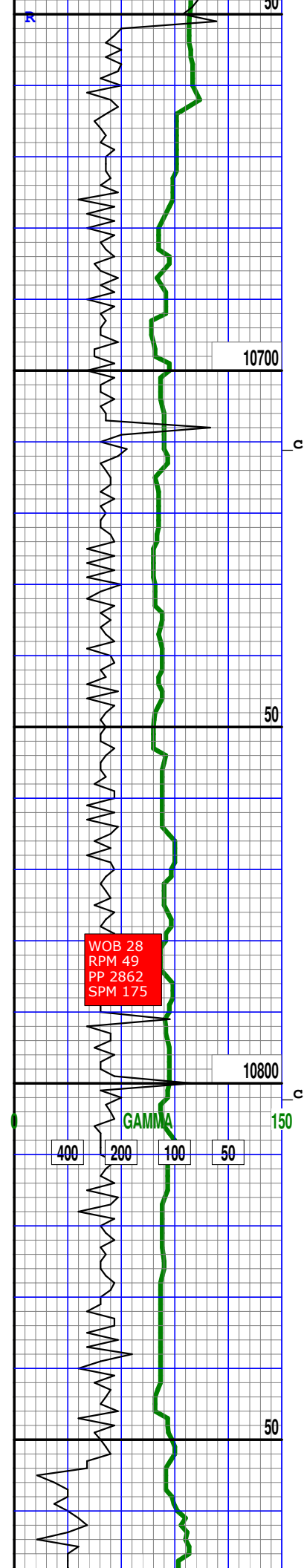
CG: 271u

6568' 180.50° 84.60° 4054.76'

MW 9.3  
VIS 47

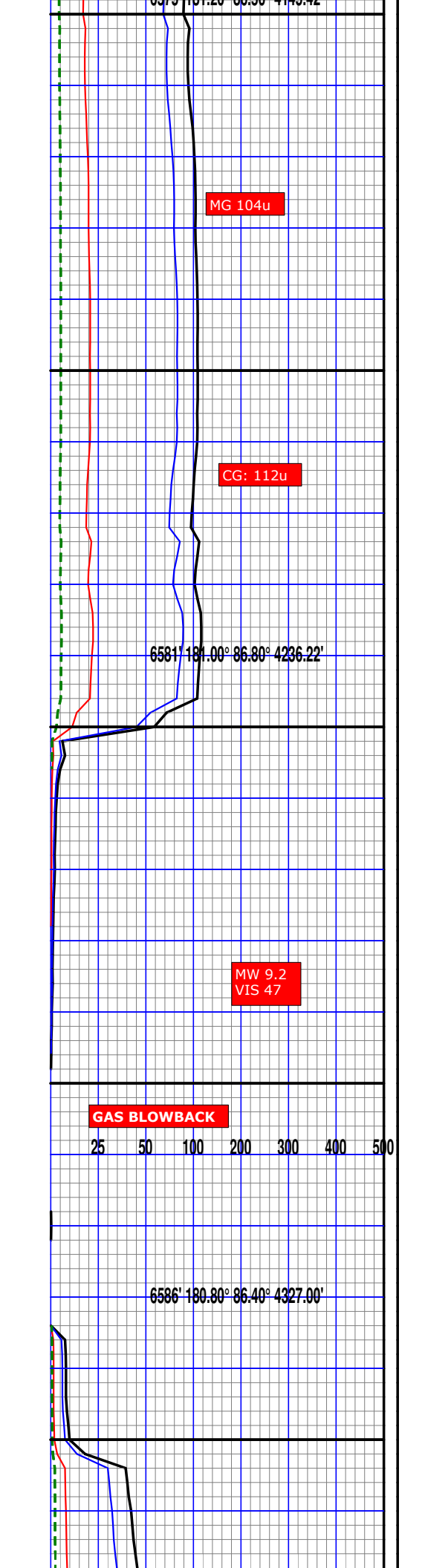
CG: 135u

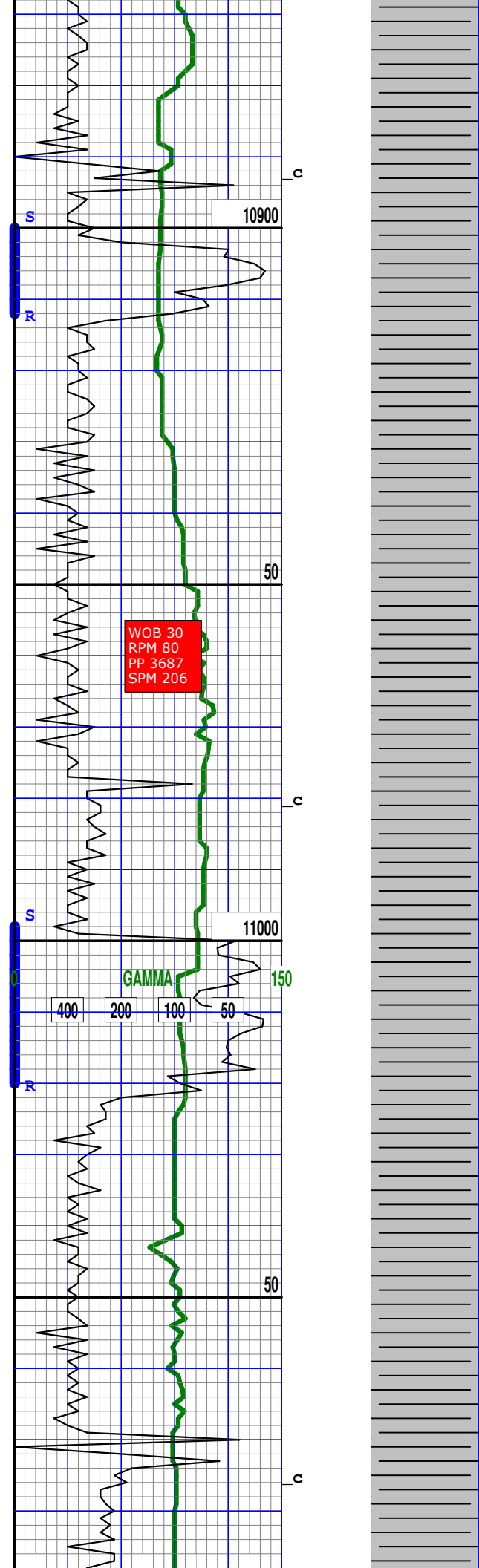
25 50 100 200 300 400 500



SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct

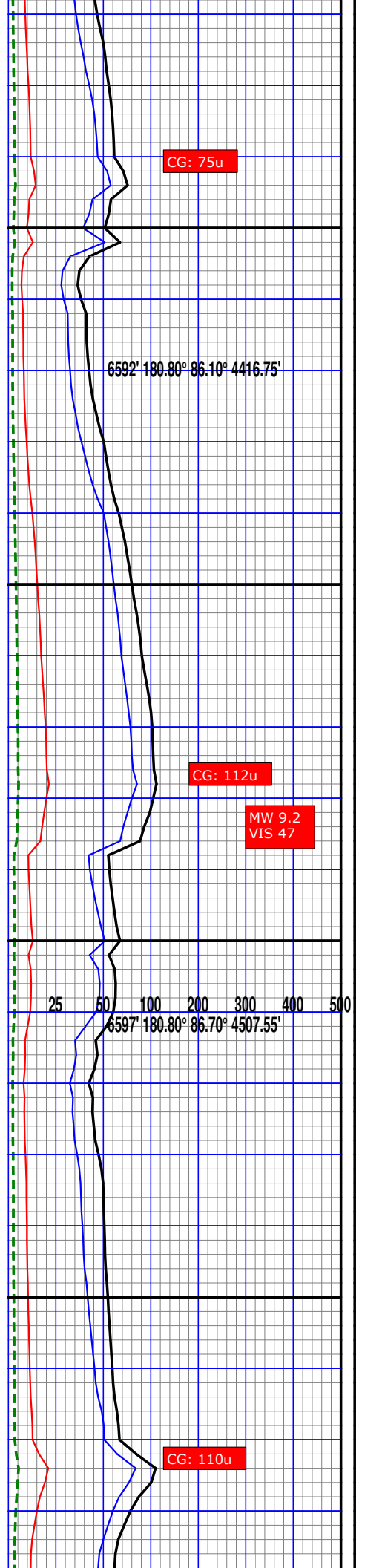
SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct,  
 tr pyr





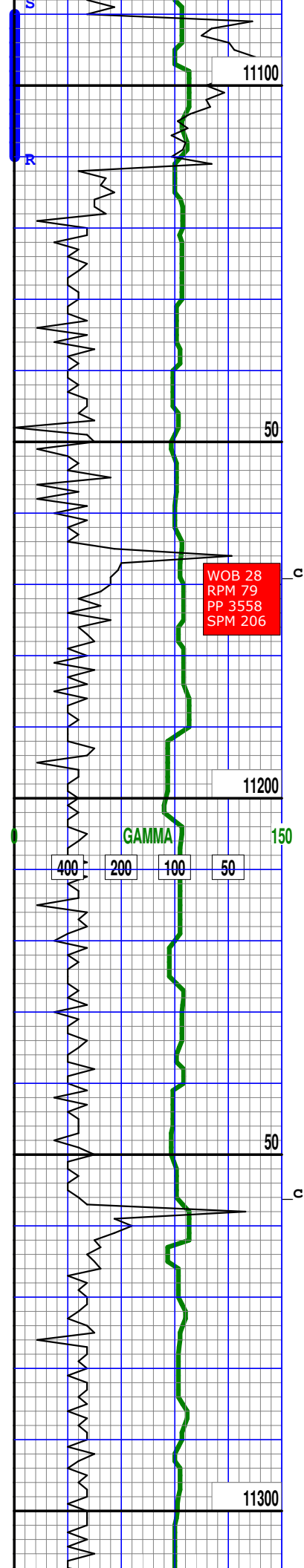
SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, calc, tr calct,  
 tr pyr

SH: dk gy, blk, sft,  
 frm, brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct,  
 tr pyr, tr ash



6592' 180.80° 86.10° 4416.75'

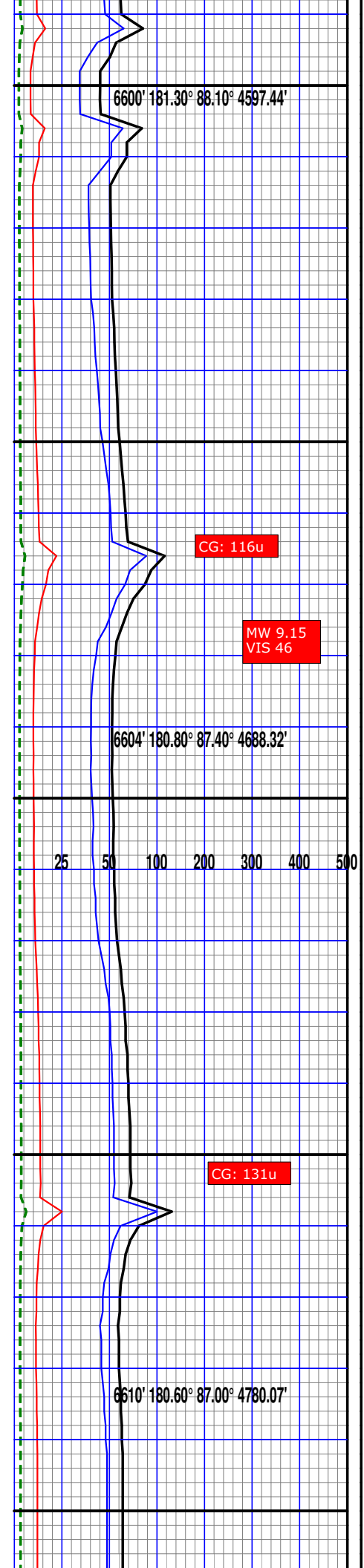
6597' 180.80° 86.70° 4507.55'

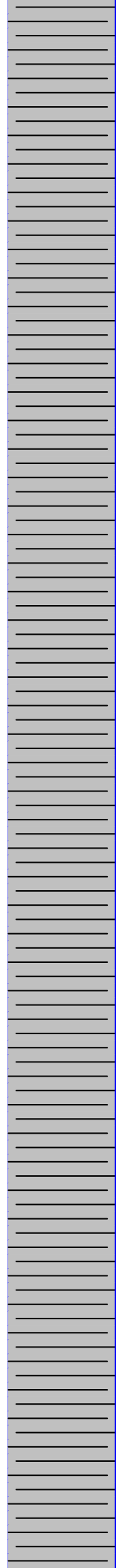
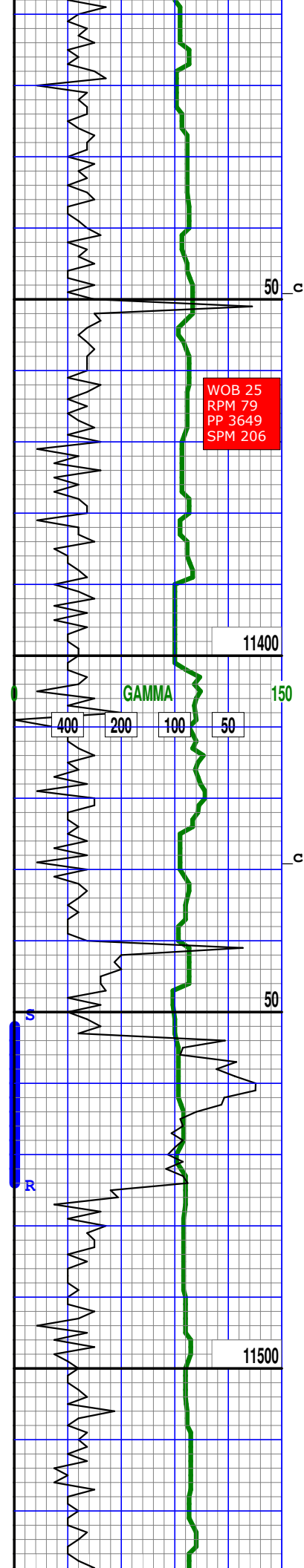


SH: dk gy, blk, frm-hd,  
 brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct,  
 tr pyr

SH: dk gy, blk, frm-hd,  
 brit, blk, plty,  
 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct,  
 tr pyr

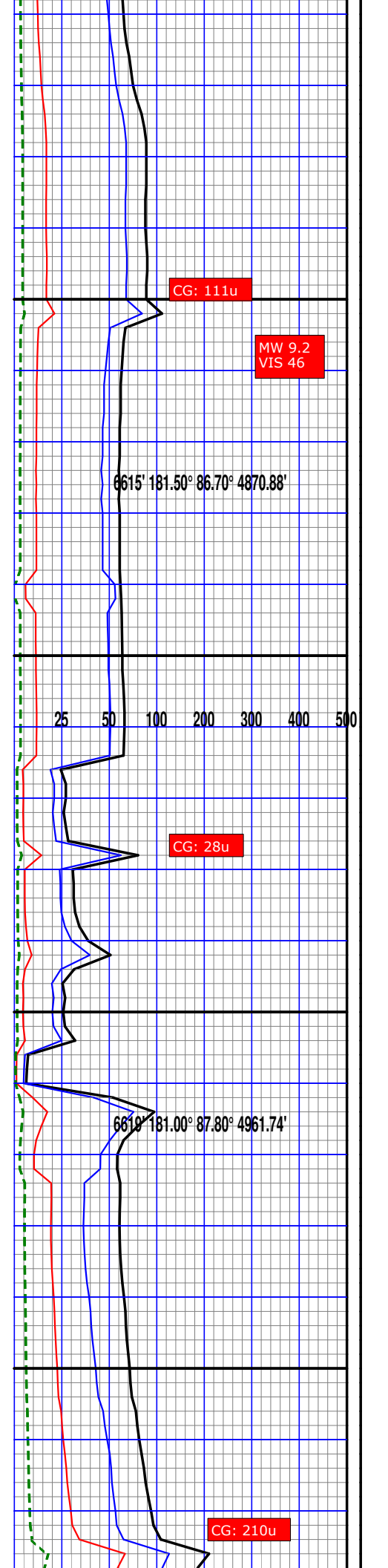
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 wxy, sbwxy, arg, rthy,  
 marl, v calc, tr calct,  
 tr pyr

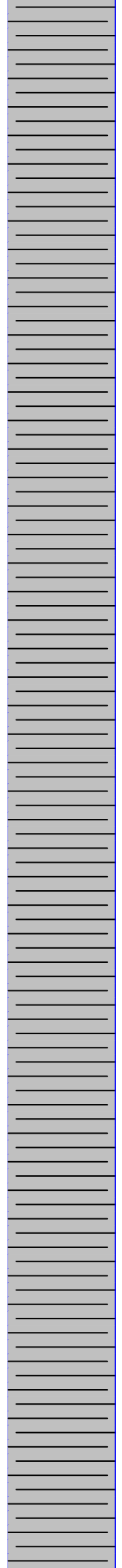
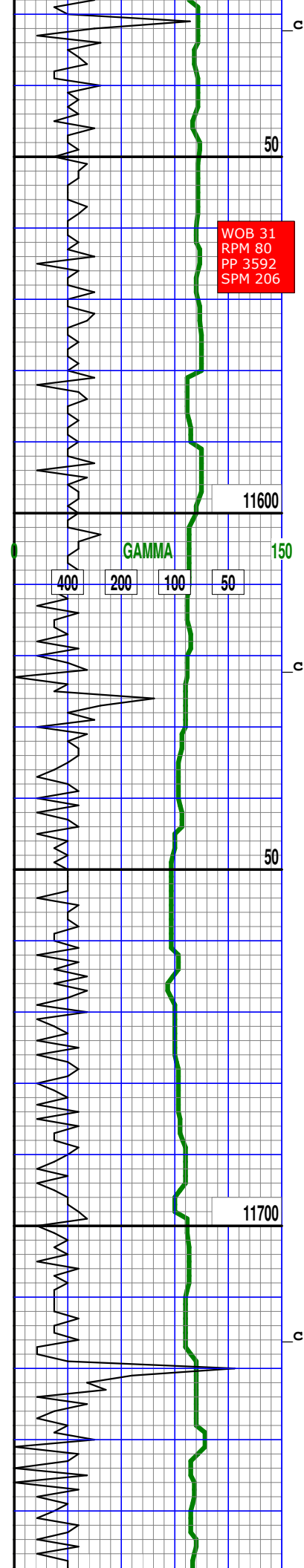




SH: dk gy, blk, frm-hd,  
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wxy, sbwxy, arg, rthy,  
marl, v calc, tr calct,  
tr pyr

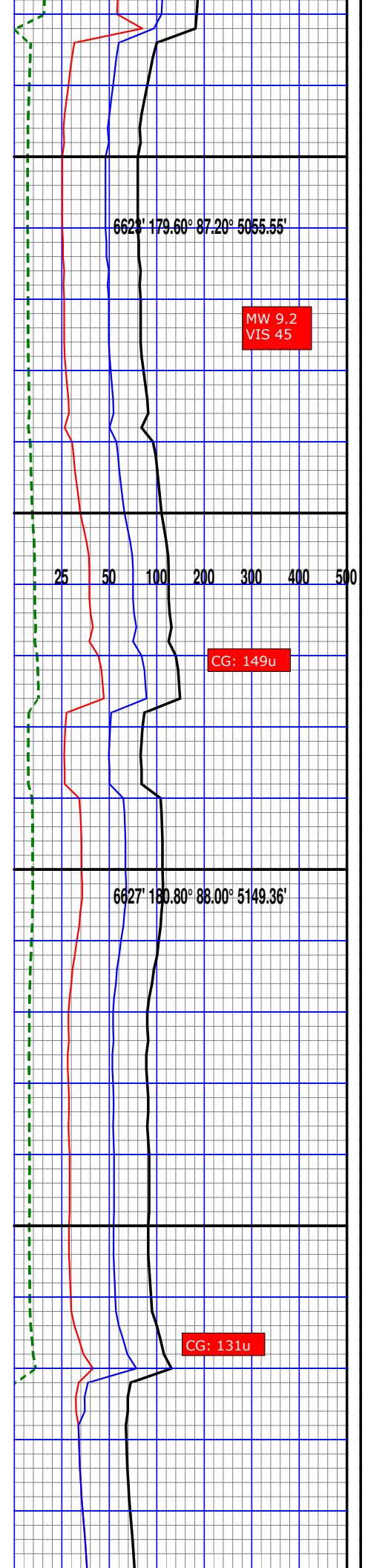
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brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr calct, tr pyr

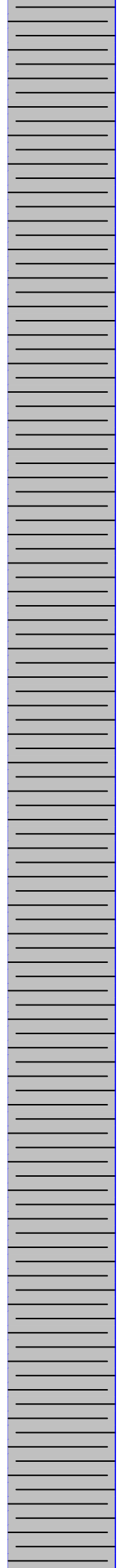
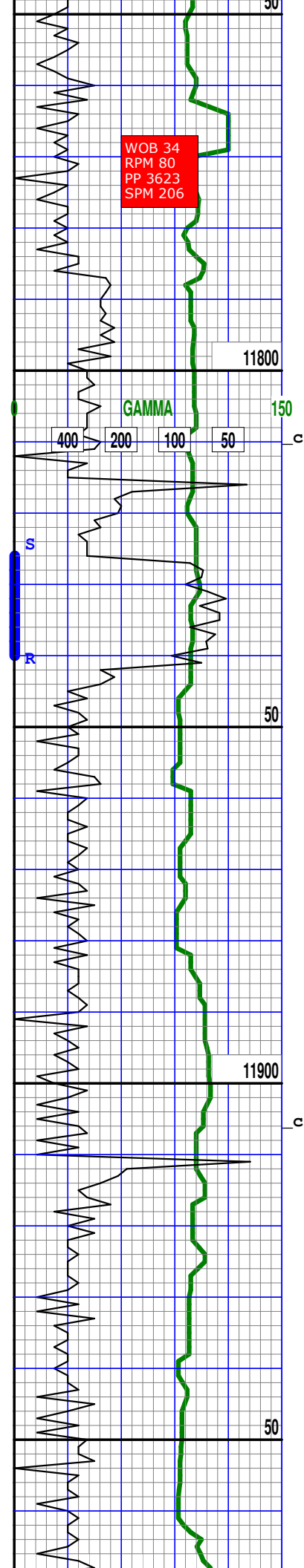




SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
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calc, tr calct, tr pyr

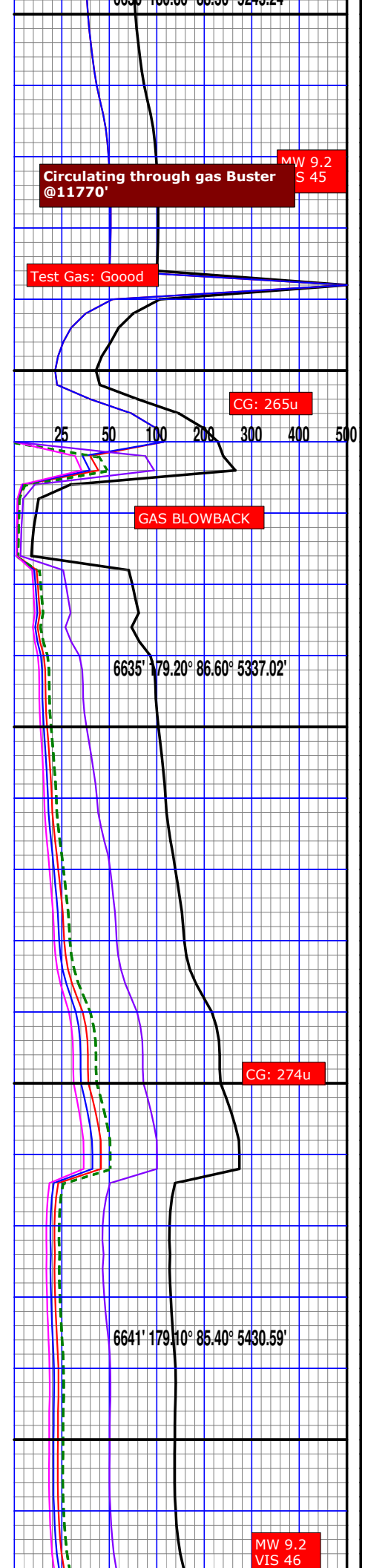
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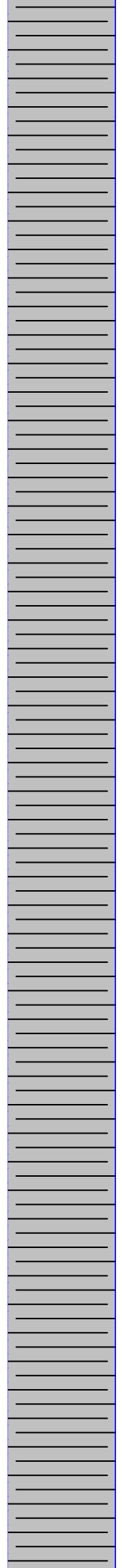
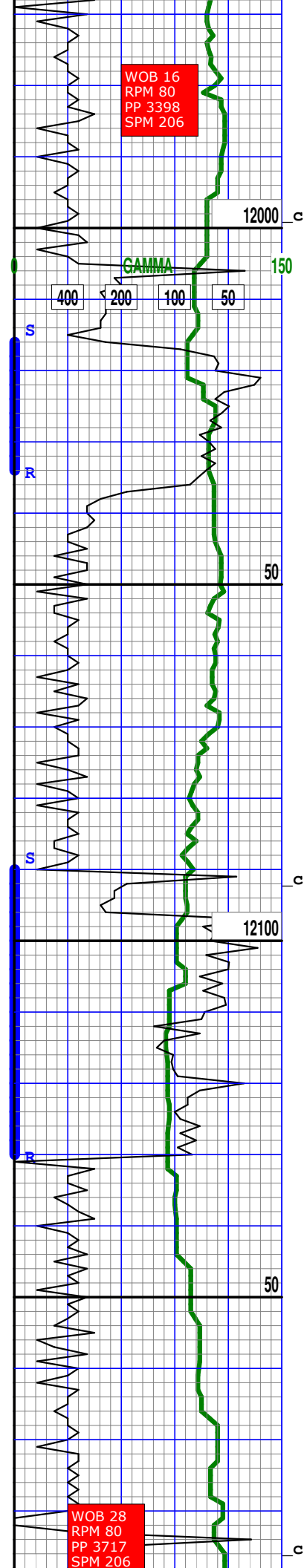




SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr calct, tr pyr

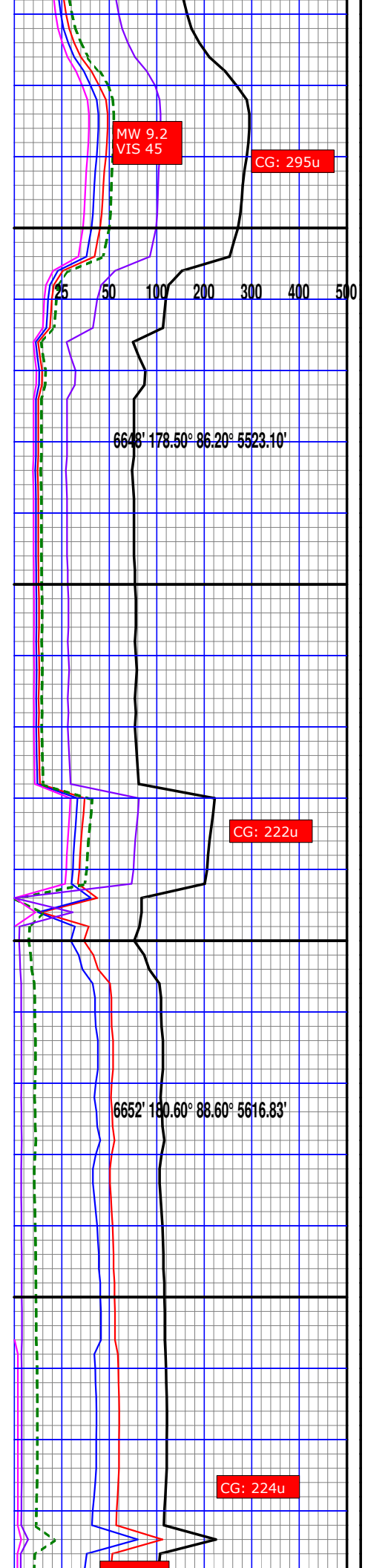
SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
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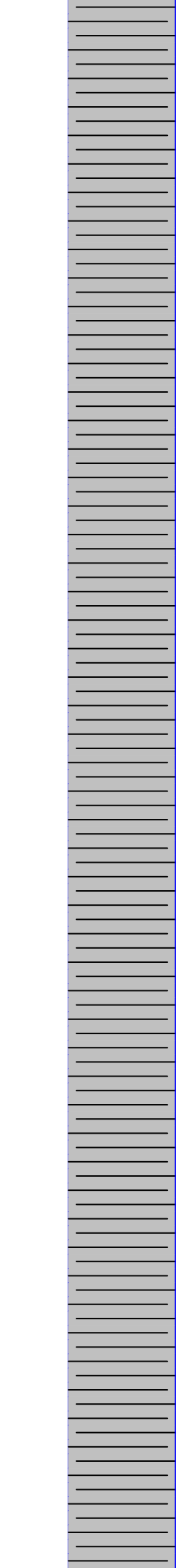
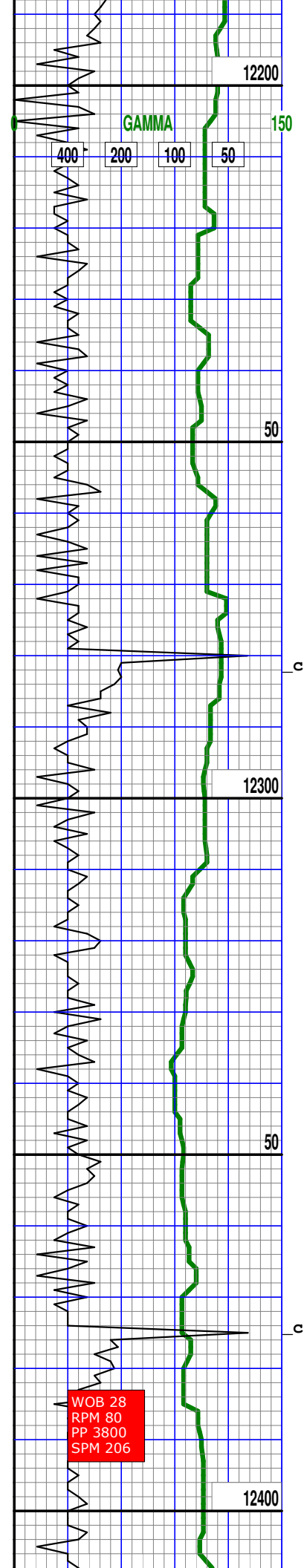




SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr calct, tr pyr

SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
calc, tr calct, tr pyr



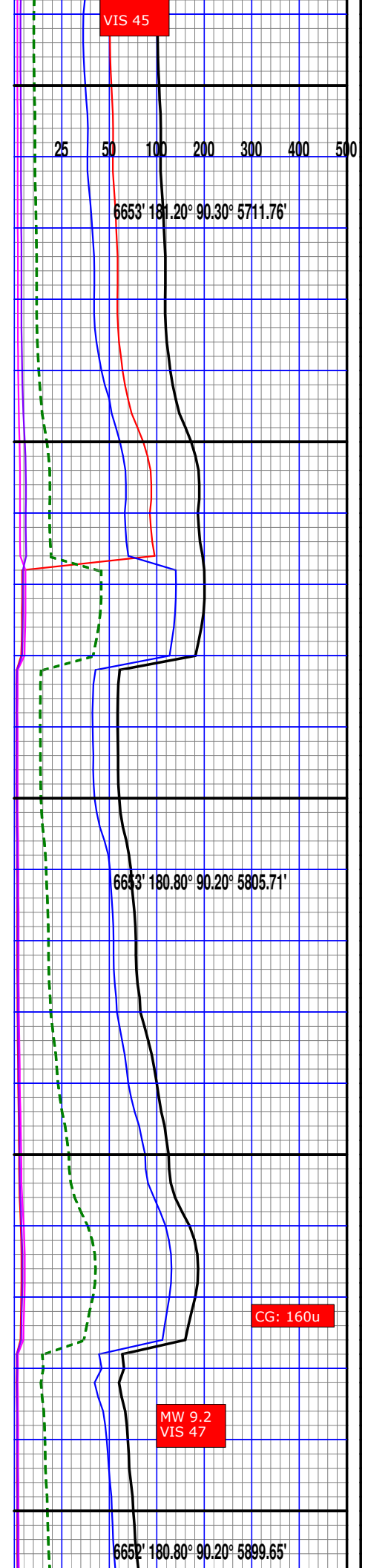


9.2 OUT

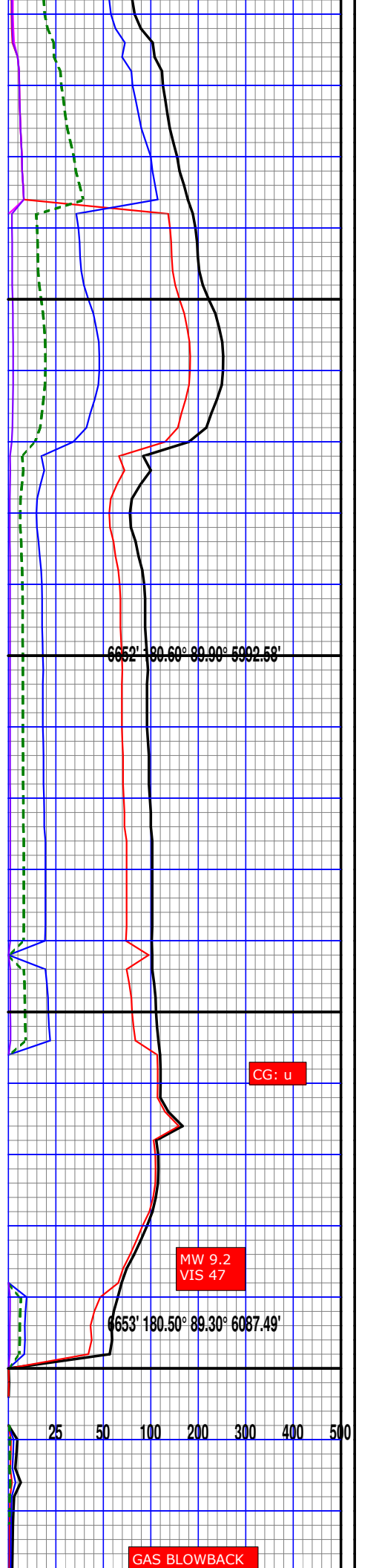
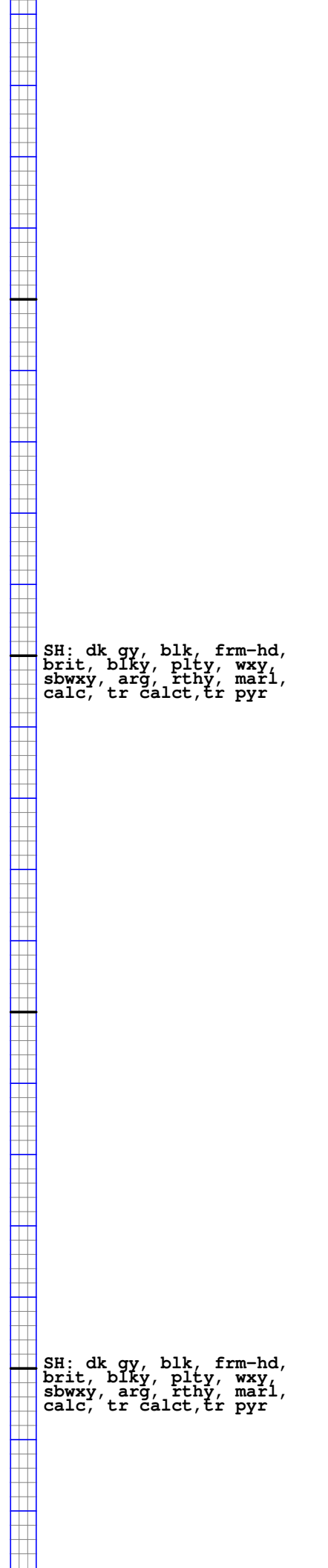
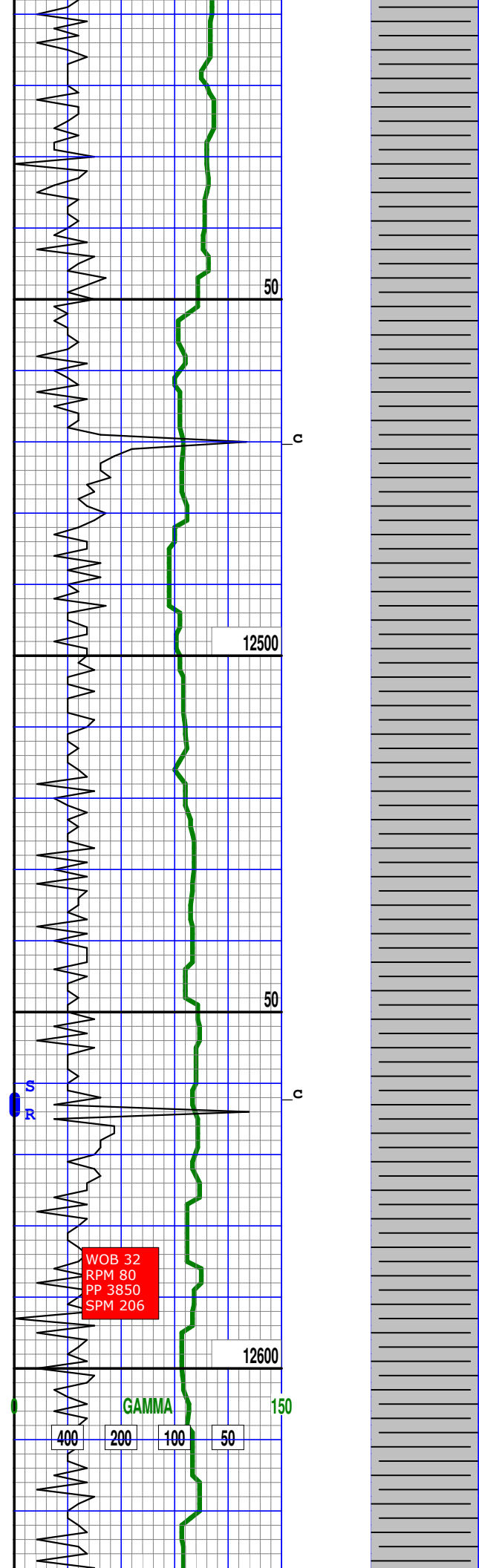
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SH: dk gy, blk, frm-hd, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr calct, tr pyr

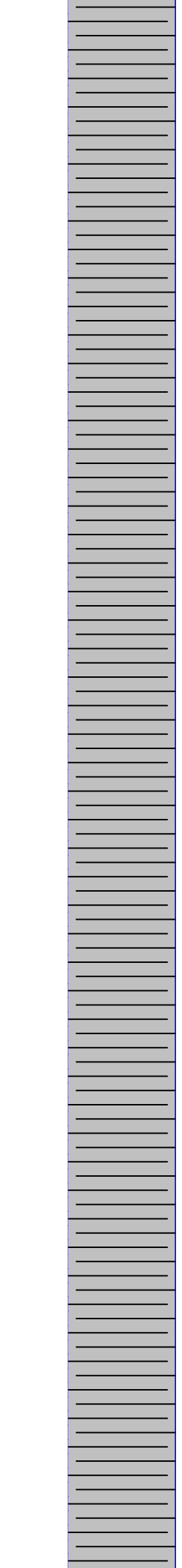
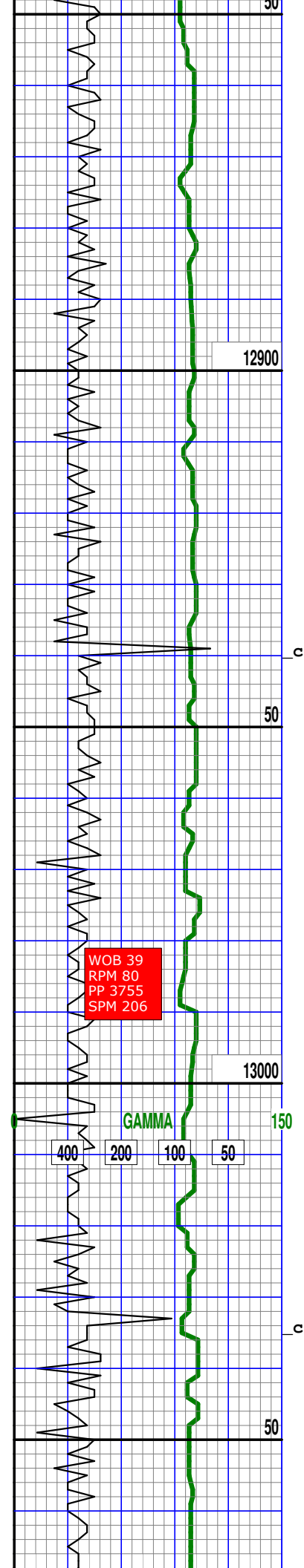
SH: dk gy, blk, frm-hd, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr calct, tr pyr



WOB 28  
RPM 80  
PP 3800  
SPM 206

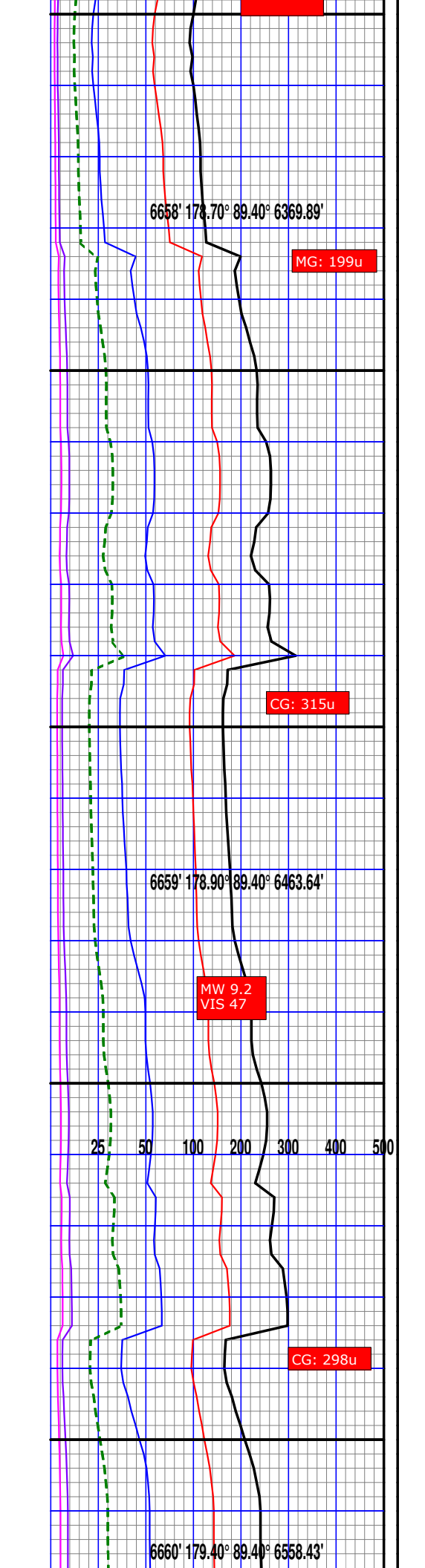


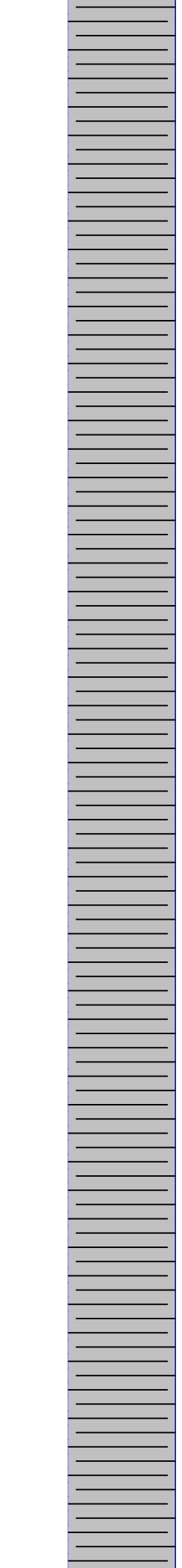
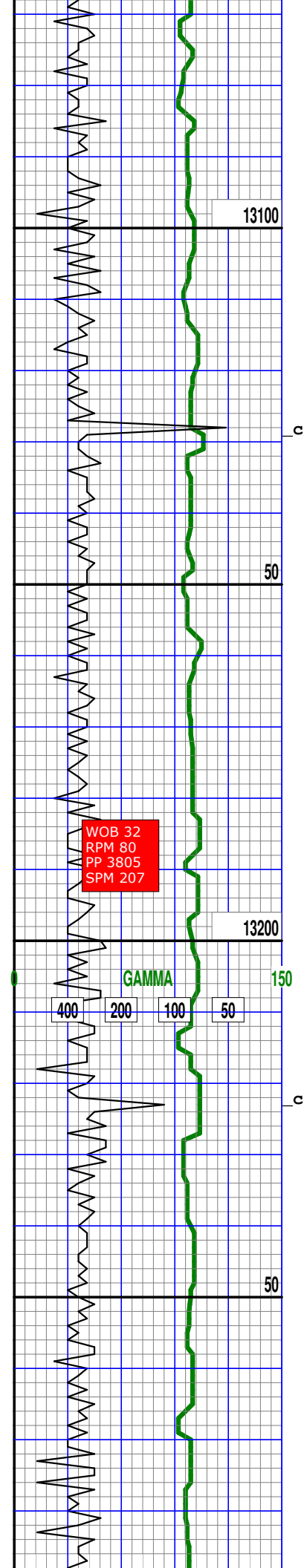




SH: dk gy, blk, frm-hd,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 calc, tr calct, tr pyr

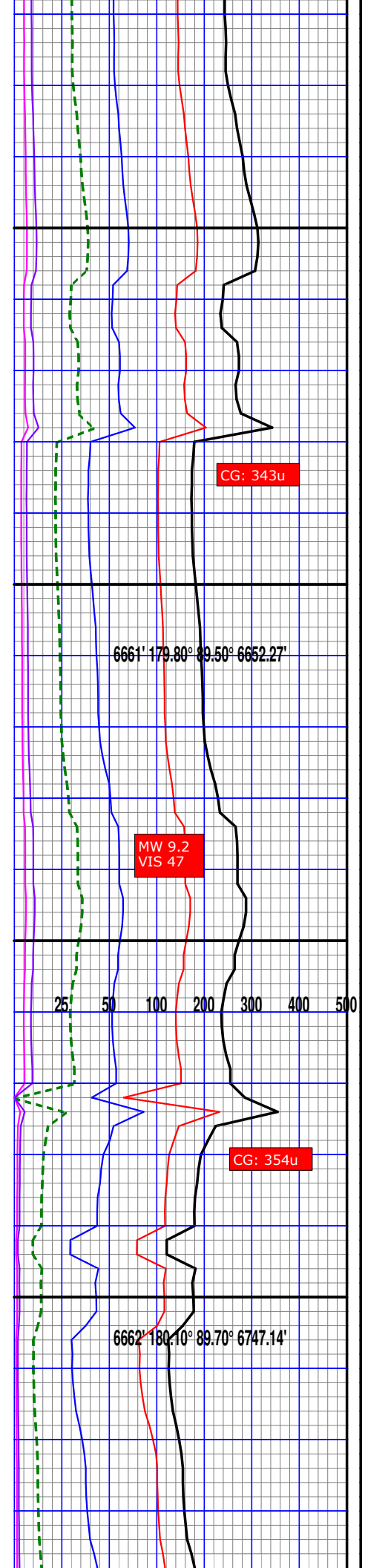
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 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 calc, tr gyp, tr pyr





SH: dk gy, blk, frm-hd,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 v calc, tr calct, tr pyr

SH: dk gy, blk, frm-hd,  
 brit, blk, plty, wxy,  
 sbwxy, arg, rthy, marl,  
 v calc, tr calct, tr pyr



13300

c

50

WOB 27  
RPM 80  
PP 3908  
SPM 206

13400

GAMMA

150

400 200 100 50

c

50

13500

c

SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

CG: 269u

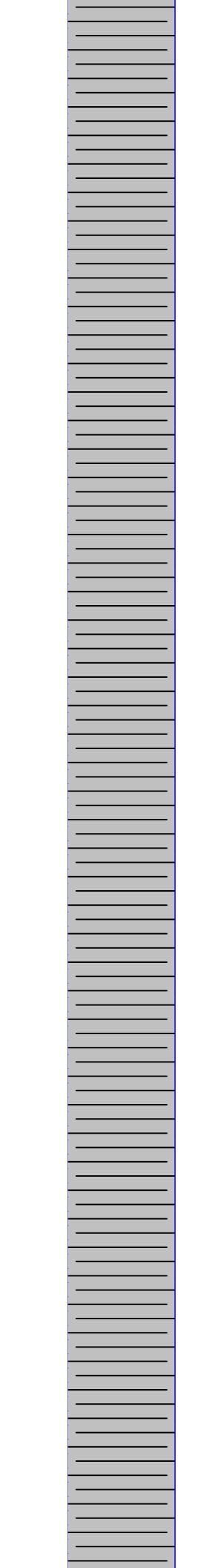
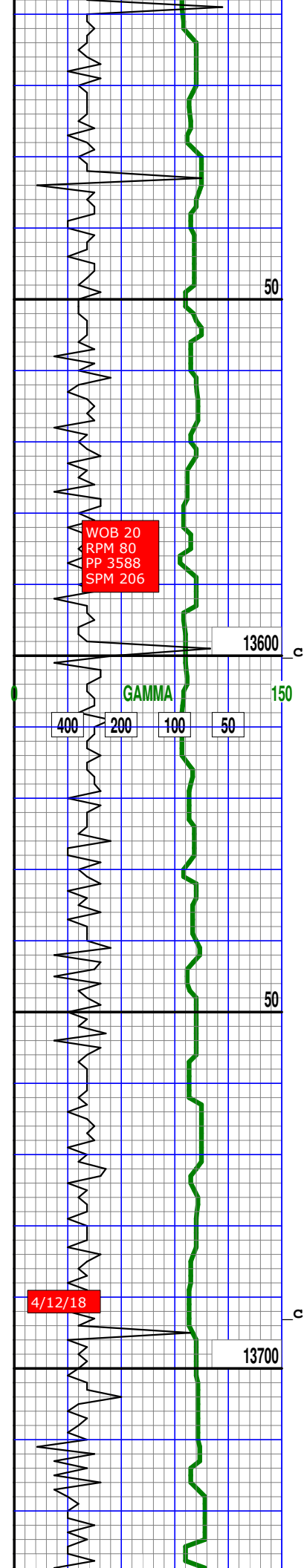
6663' 180.50° 89.40° 6847.04'

MW 9.3  
VIS 47

CG: 277u

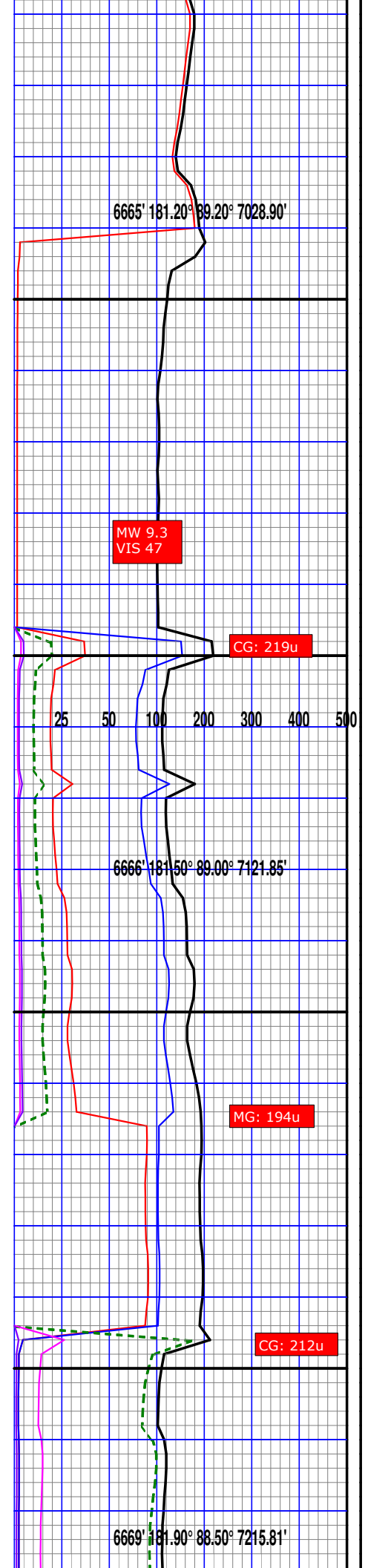
6664' 180.80° 89.20° 6934.96'

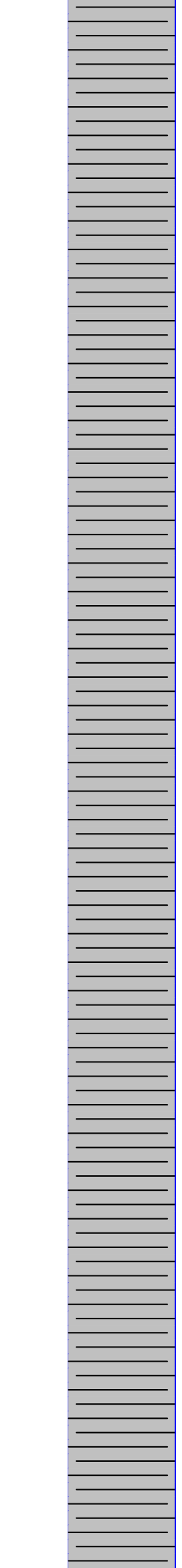
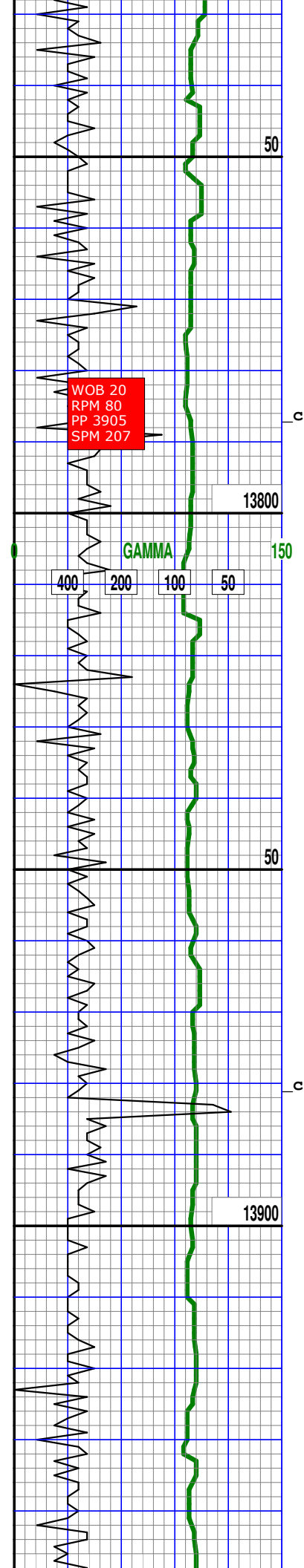
CG: 179u



SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

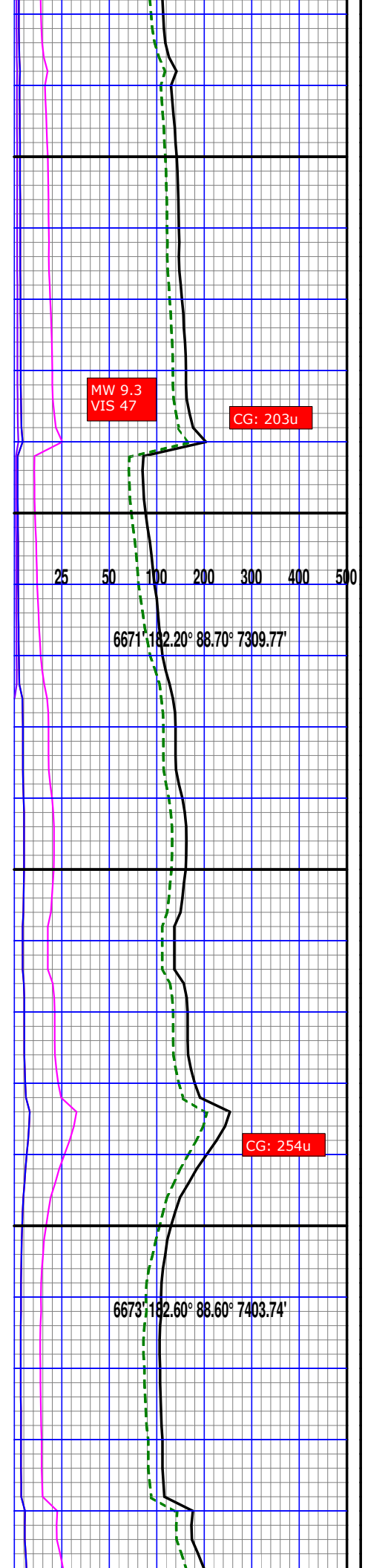
SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

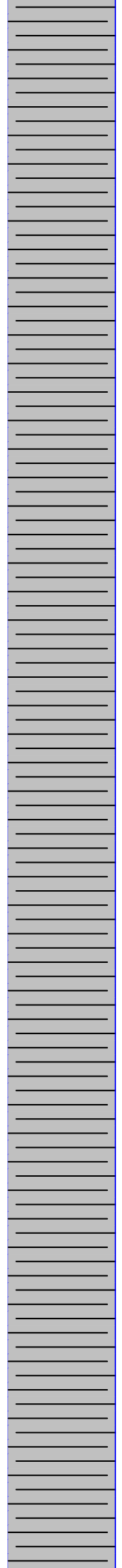
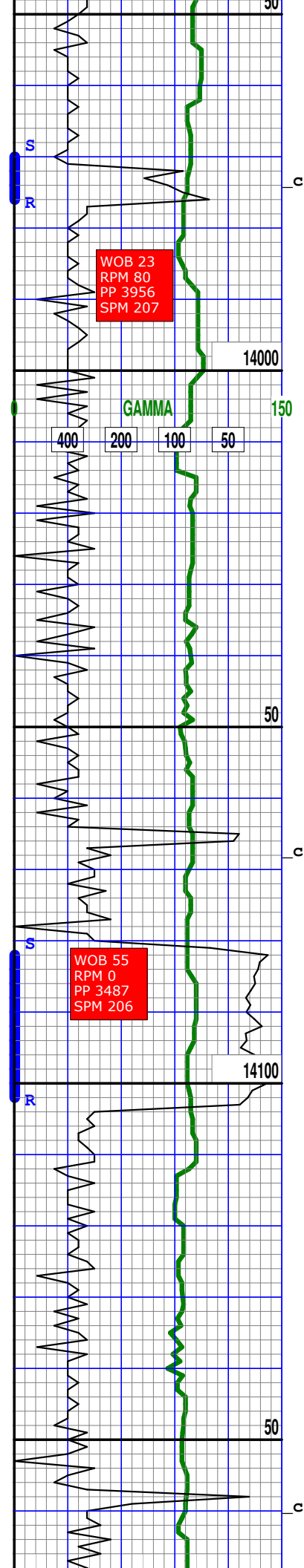




SH: dk gy, blk, frm-hd,  
brit, blk, plty, wxy,  
sbwxy, arg, rthy, marl,  
v calc, tr calct, tr pyr

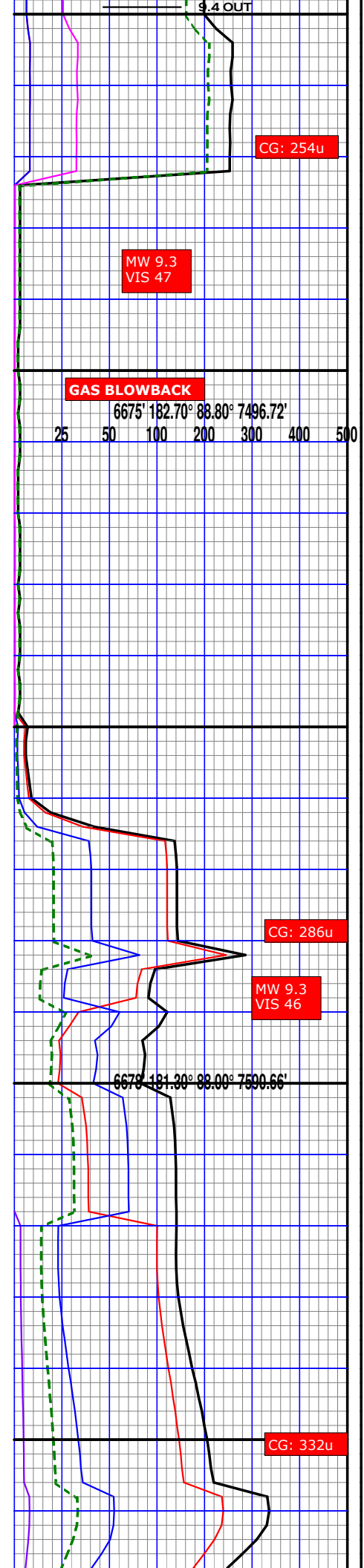
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brit, blk, plty, wxy,  
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v calc, tr pyr



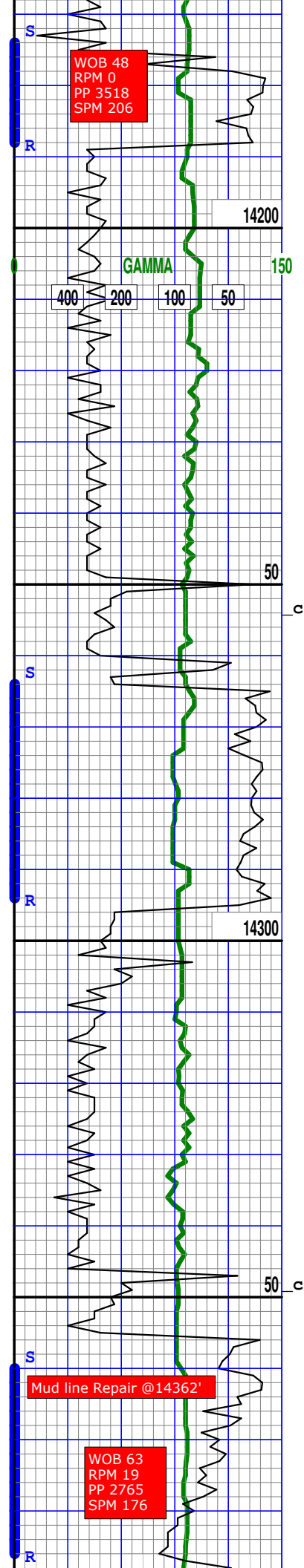


SH: dk gy, blk, frm-hd, brit, blk, plty, wxy, sbwxy, arg, rthy, marl, v calc, tr calct, tr pyr

SH: dk gy, blk, frm-hd, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr calct, tr pyr

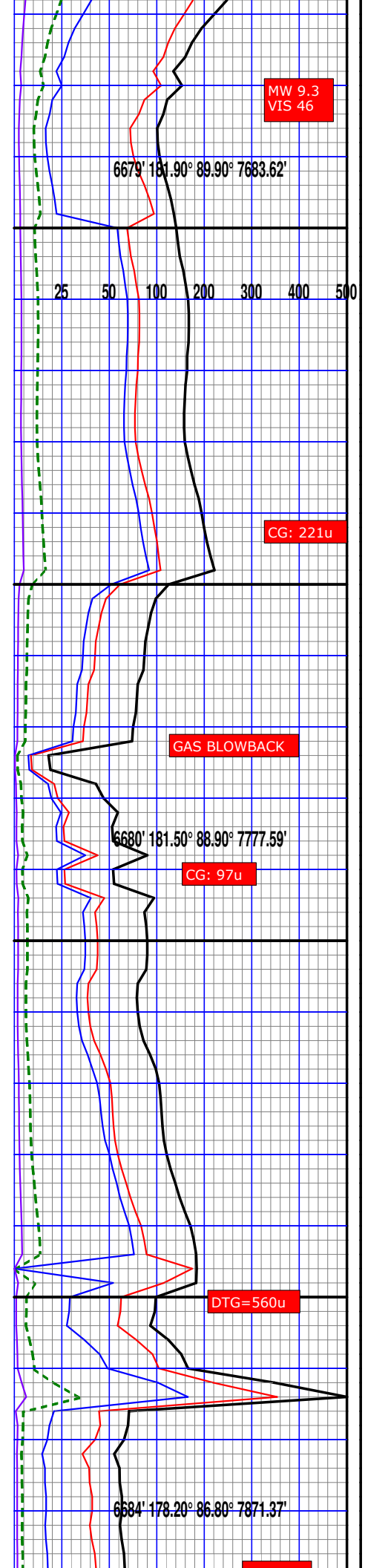


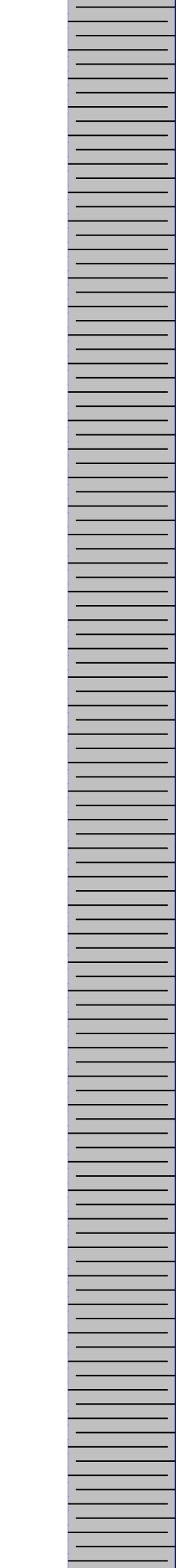
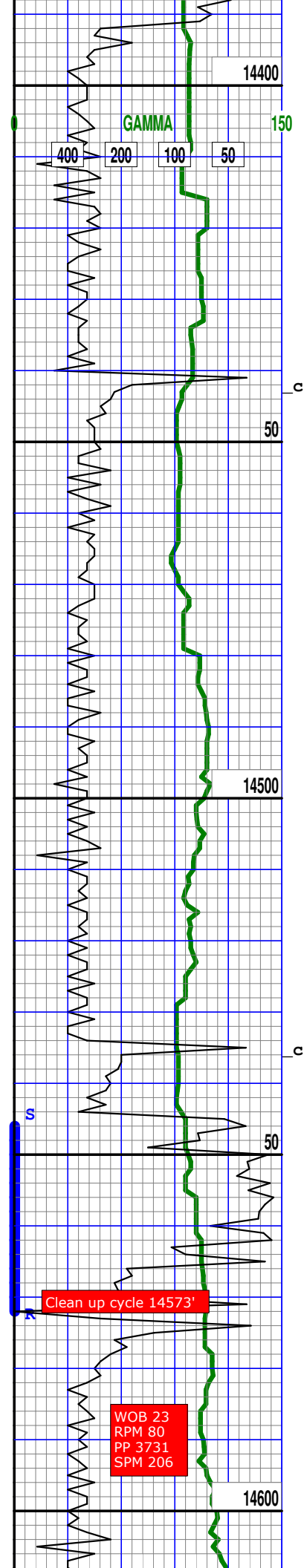
6678' 181.30° 88.00° 7590.66'



SH: dk gy, blk, frm-hd,  
blky, plty, wxy, sbwxy,  
arg, rthy, marl, calc,  
tr calct, tr pyr

SH: dk gy, blk, frm-hd,  
blky, plty, wxy, sbwxy,  
arg, rthy, marl, calc,  
tr calct, tr pyr

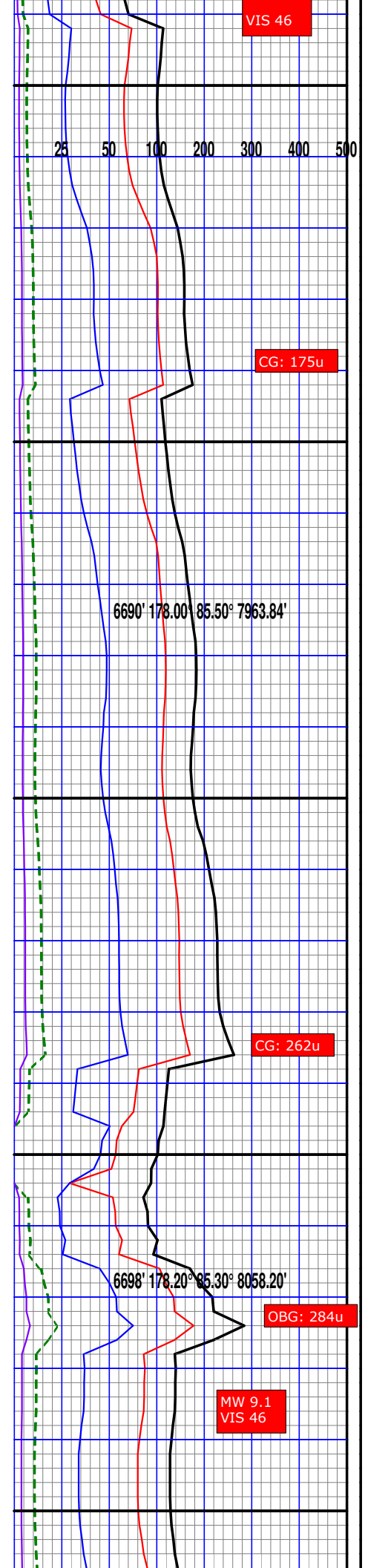




SH: dk gy, blk, frm-hd, blk, plty, wxy, sbwxy, arg, rthy, marl, calc, tr calct, tr pyr

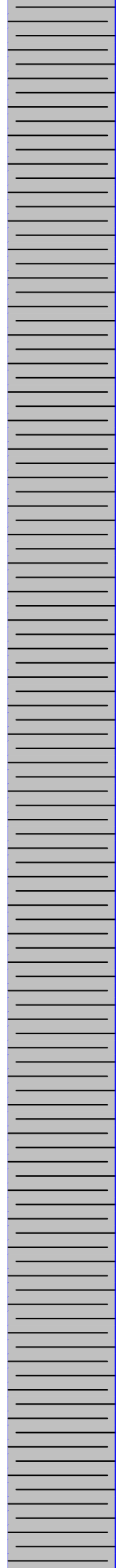
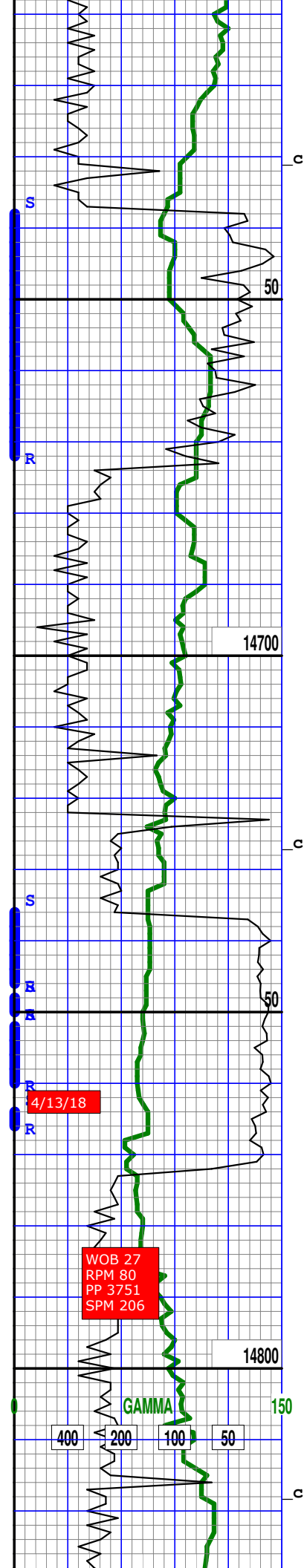
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SH: dk gy, blk, frm-hd, blk, plty, wxy, sbwxy, arg, rthy, calc, tr calct, tr pyr, tr ash



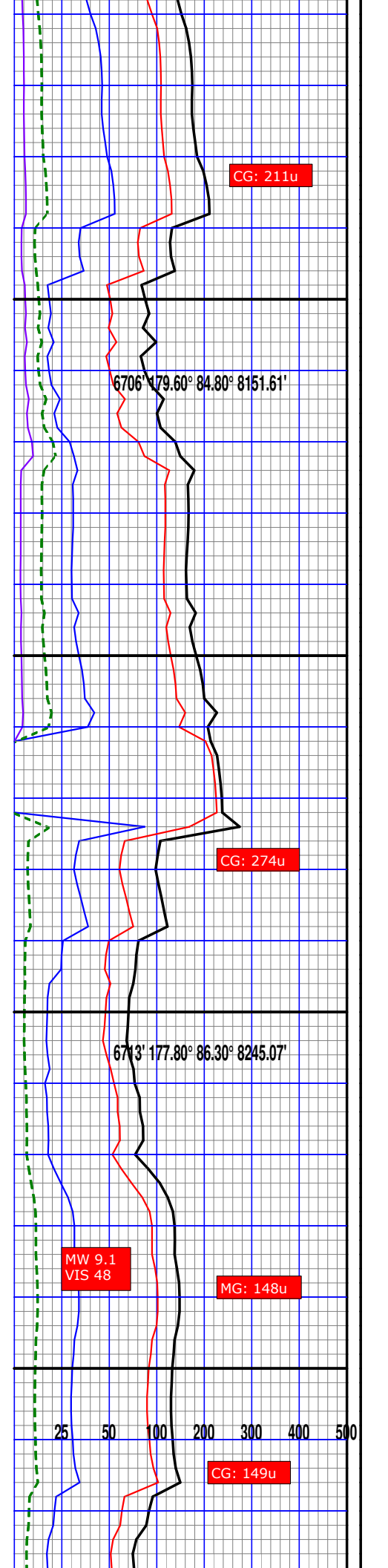
Clean up cycle 14573'

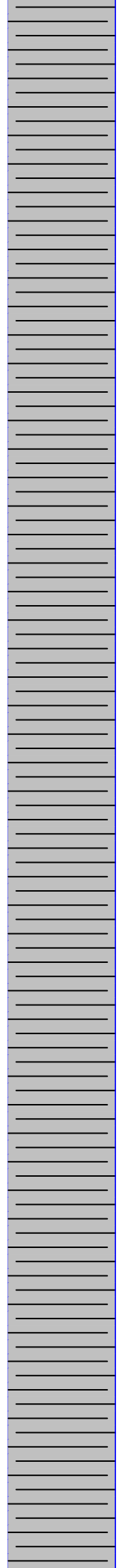
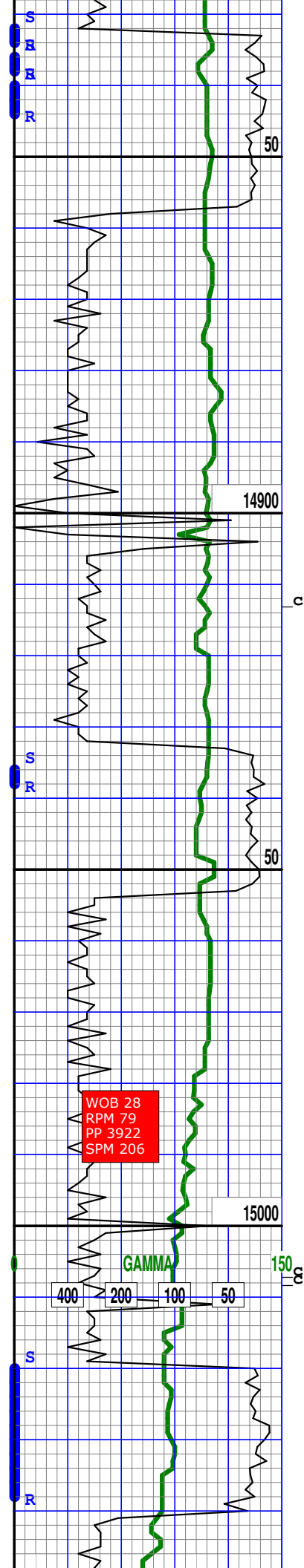
WOB 23  
RPM 80  
PP 3731  
SPM 206



SH: dk gy, blk, frm-hd, blky, plty, wxy, sbwxy, arg, rthy, calc, tr calct, tr pyr, tr ash

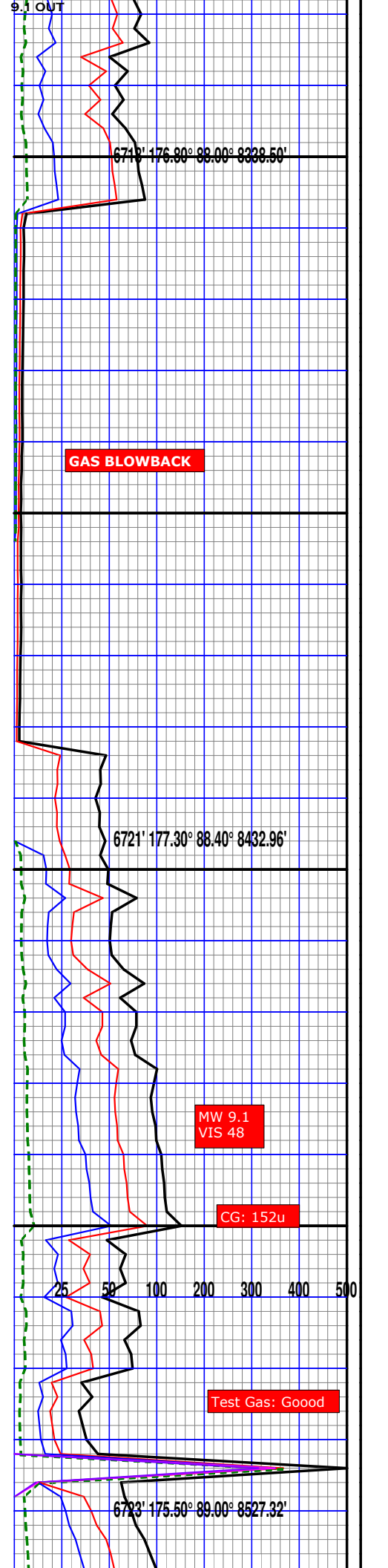
SH: dk gy, blk, frm-hd, blky, plty, wxy, sbwxy, arg, rthy, calc, tr calct, tr pyr, tr ash

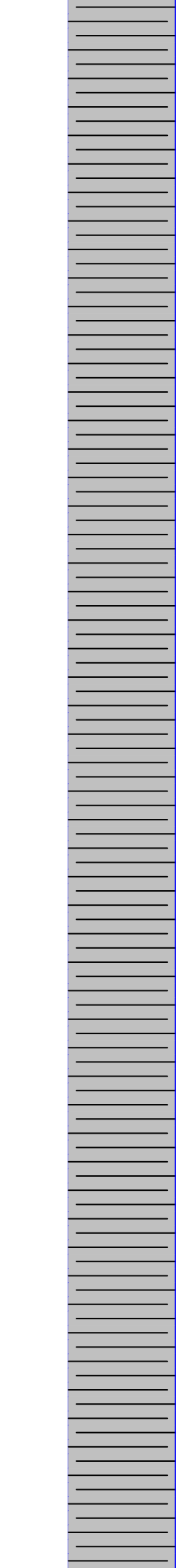
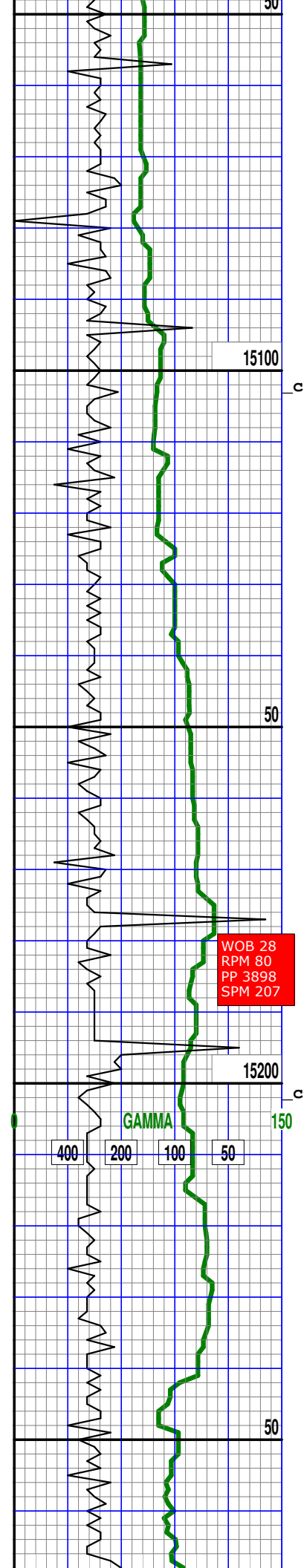




SH: dk gy, blk, frm-hd,  
 blk, plty, wxy, sbwxy,  
 arg, rthy, calc, tr  
 calct, tr pyr

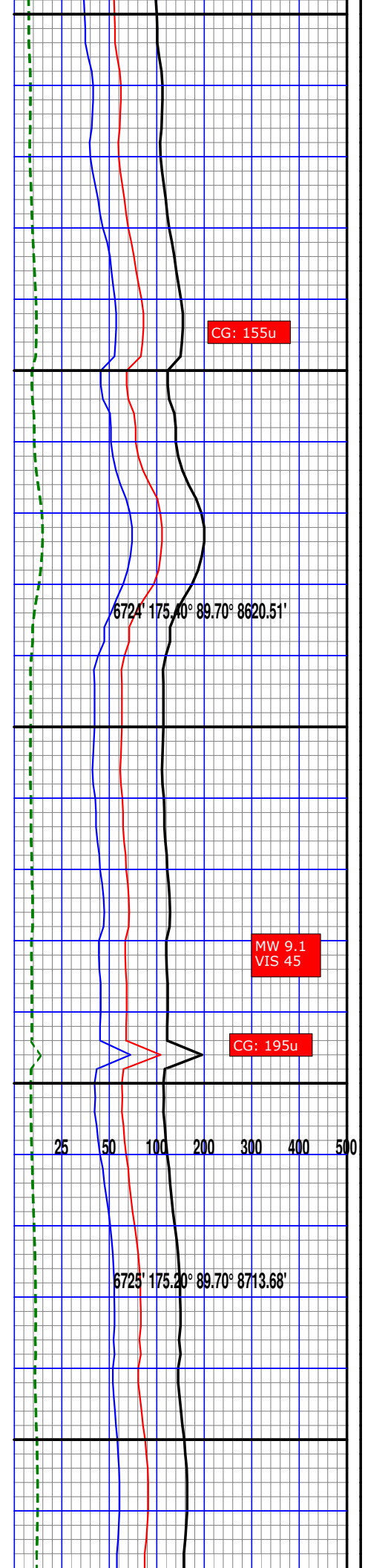
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 calct, tr pyr

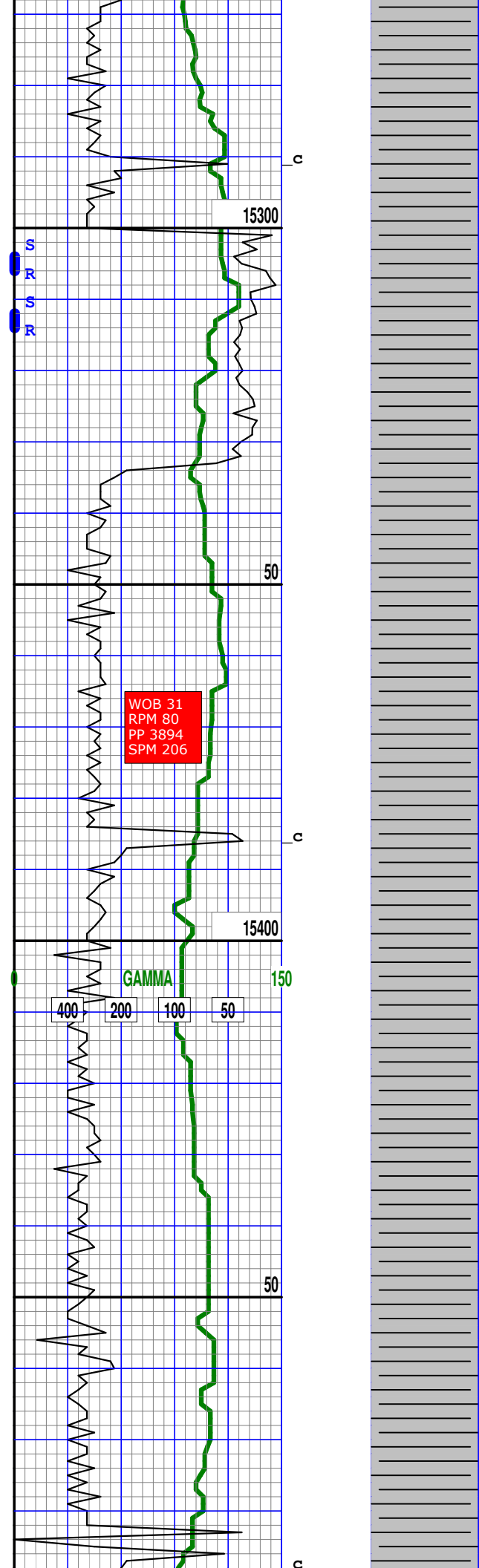




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calct, tr pyr

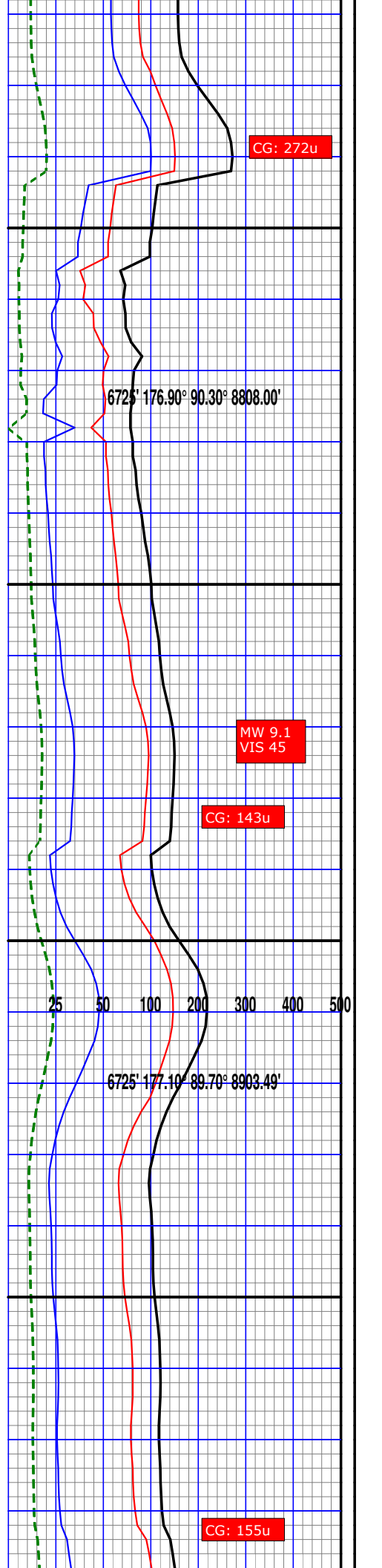
SH: dk gy, blk, hd,  
blk, plty, wxy, sbwxy,  
arg, rthy, calc, tr  
embd calct, tr pyrt

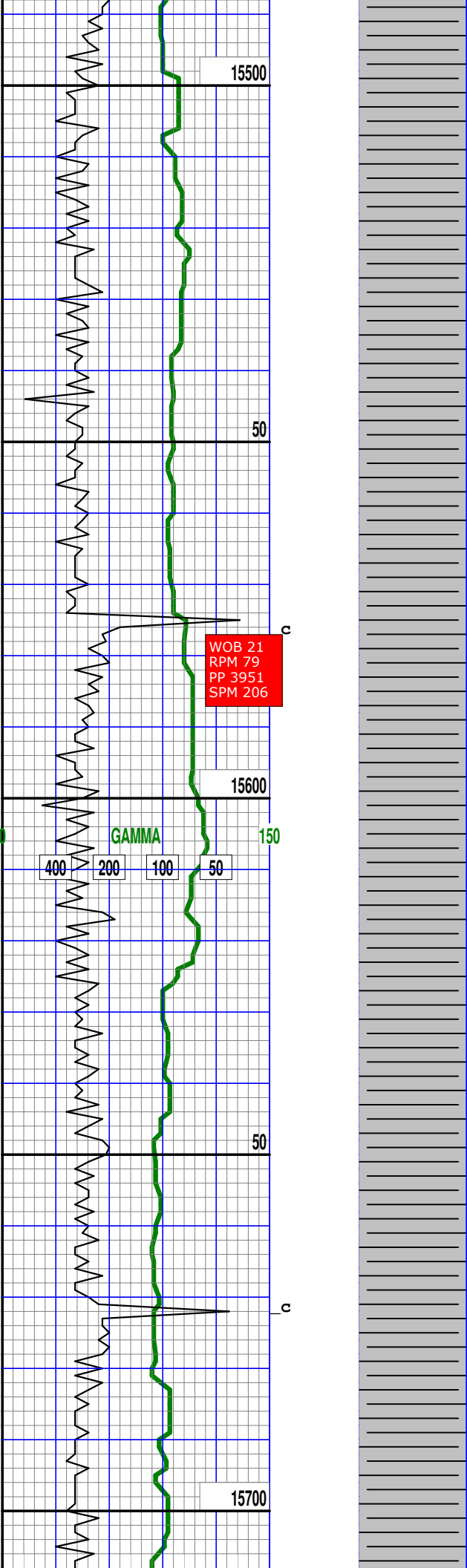




SH: dk gy, blk, hd,  
blky, plty, wxy, sbwxy,  
arg, rthy, calc, tr  
embd calct, tr pyrt

SH: dk gy, blk, hd,  
blky, plty, wxy, sbwxy,  
arg, rthy, calc, tr  
embd calct, tr pyrt





SH: dk gy, blk, hd,  
blky, plty, chnky, wxy,  
sbwxy, arg, rthy, calc,  
tr embd calct, tr pyrt

6725' 176.90° 89.60' -8985.35'

CG: 334u

MW 9.1  
VIS 45

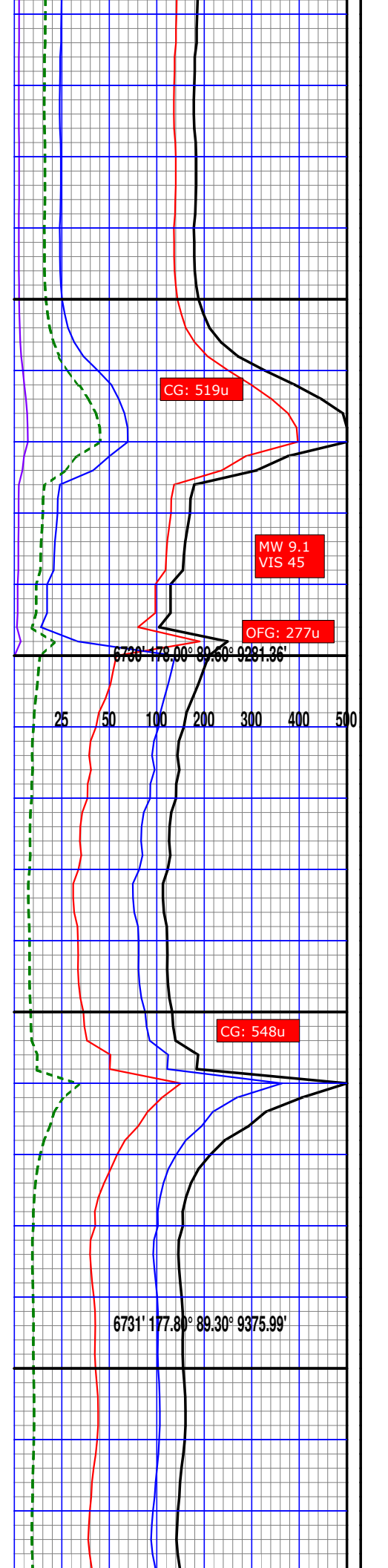
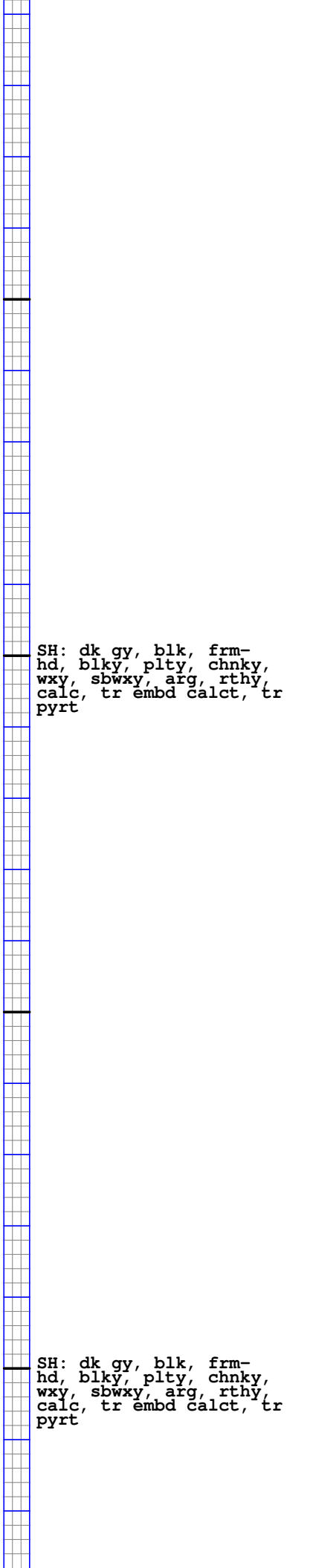
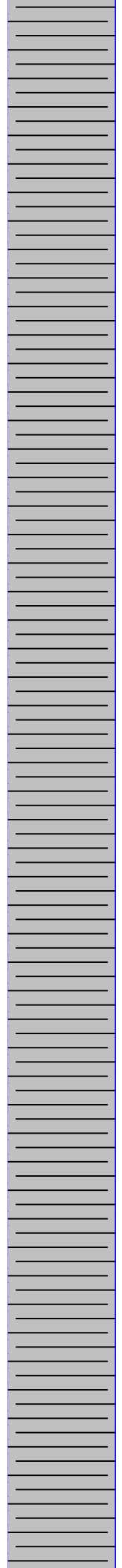
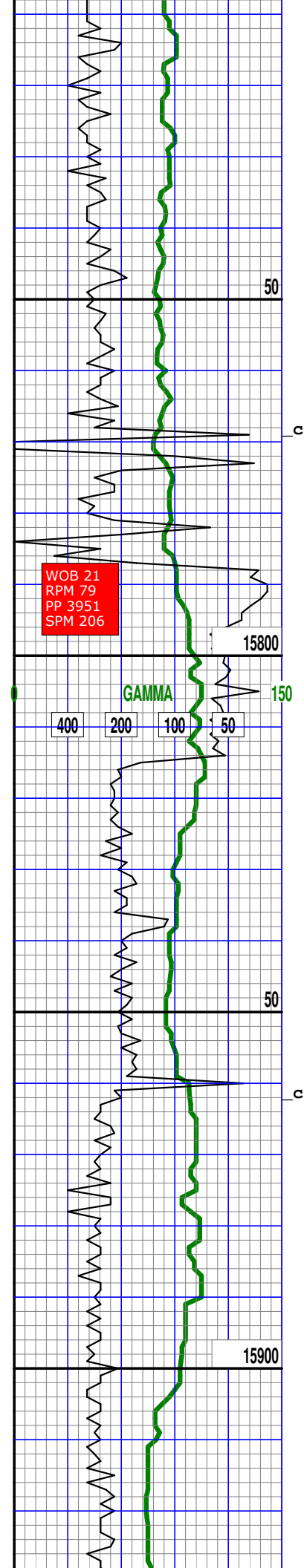
SH: dk gy, blk, hd,  
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sbwxy, arg, rthy, calc,  
tr embd calct, tr pyrt

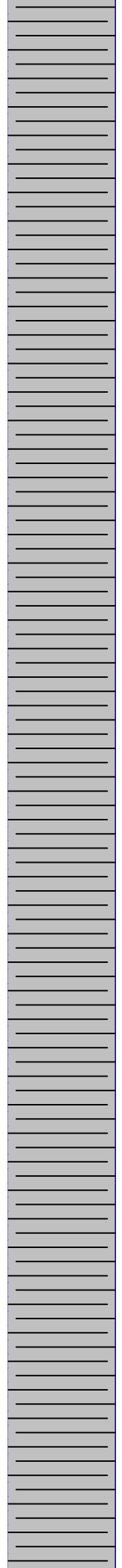
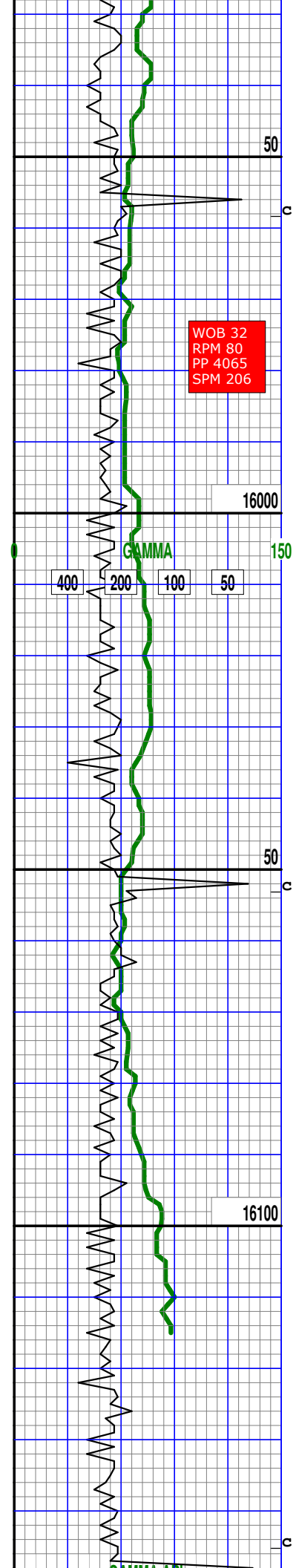
25 50 6726' 176.80° 89.00' -9092.44' 400 500

CG: 384u

SH: dk gy, blk, frm-  
hd, blky, plty, chnky,  
wxy, sbwxy, arg, rthy,  
calc, tr embd calct, tr  
pyrt

6728' 176.40° 88.60' -9186.85'





SH: dk gy, blk, frm-  
hd, blk, plty, chnky,  
wxy, sbwxy, arg, rthy,  
calc, tr embd calct, tr  
pyrt

SH: dk gy, blk, frm-  
hd, blk, plty, chnky,  
wxy, sbwxy, arg, rthy,  
calc, tr embd calct, tr  
pyrt

