



Scale: 5" / 100'
Measured Depth Log

Well Name Dream Weaver South 3B-21H-N268

Location S21, T2N, R68W

State Colorado

County Weld

Country United States

Rig Number 142

API Number 05-123-48005

AFE # 16192226

Geographic Region Rockies

Field Wattenberg

Spud Date 8/26/2019

Drilling Completed 3/30/2020

Surface Coordinates Latitude: 40.119727, Longitude: -105.01108
1,035' FSL, 1,857' FWL

Bottom Hole Coordinates S33, T2N, R68W
474' FSL, 704' FWL

Ground Elevation 4,901'

K.B. Elevation 4,929'

Logged Interval 2,248' **To** 15,230'

Total Depth 15,230'

Formation Codell

Type of Drilling Fluid Synthetic Oil Based

Operator

Company Crestone Peak Resources Operating LLC

Address 1801 California Street #2500
Denver, CO 80202



CRESTONE PEAK
RESOURCES

Geologist

Name John Ready, Jason Burris, Dan Harrington

Company Crestone Peak Resources Operating LLC

Address 1801 California Street #2500
Denver, CO 80202



Color Coding



Oil



Condensate



Gas



Note



Core



Pressure



Error



Water



Seal

Other

Services Provided 2-Man Logging

Loggers Byron Pitulski / Micah Morgan

Address 14103 Interdrive West
Houston, TX 77032

Equipment ML-521

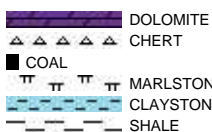
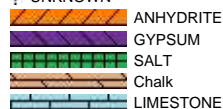
Service Start Date 03/25/2020

Service End Date 3/30/2020

Job # 0167

Rock Types

? UNKNOWN



Accessories

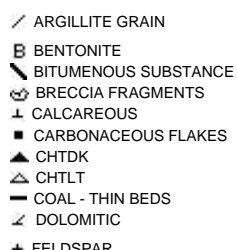
Fossils



F FOSSIL



— ARGILLACEOUS



— GLAUCONITE



Stringer



✧ ECHINOID

✧ FISH

✧ FORAMINIFERA

Minerals

/// ANHYDRITIC

✧ FELDSPAR

● FERRUGINOUS PELLETT

✧ FERRUGINOUS

✧ SILICEOUS

✧ SILTY

✧ TUFFACEOUS

✧ SHALE STRINGER

✧ SILTSTONE STRINGER

Oil Show

✧ DEAD

● EVEN

○ QUESTIONABLE

① SPOTTED STAINING

Porosity

E EARTHY

▣ FENESTRAL

F FRACTURE

✕ INTERCRYSTALLINE

⊕ INTEROOLITIC

~ MOLDIC

□ ORGANIC

P PINPOINT

▽ VUGGY

Engineering

▲ BIT

▣ CASING

◀ CONNECTION (LEFT)

▶ CONNECTION (RIGHT)

✧ CONNECTION GAS

↓ CORE - LOST

■ CORE - RECOVERED

⋮ DST INTERVAL

✧ FAULT

Other Symbols

↔ FORMATION TOP

✧ GAS SHOW

✧ MN DEPTH MN DEPTH

✧ NORMAL FAULT

● OIL SHOW

↕ OVERTURNED STRATA

↕ REVERSE FAULT

◀ SIDEWALL CORE (LEFT)

▶ SIDEWALL CORE (RIGHT)

▣ SLIDE

✧ SURVEY

✧ TRIP GAS

◀ WIRELINE TESTED - LEFT

▶ WIRELINE TESTED - RT

Rounding

▲ ANGULAR

▣ ROUNDED

▣ SUBANG

▣ SUBRND

Textures

BS BOUNDSTONE

○ CHALKY

✧ CRYPTOXLN

E EARTHY

F✧ FINELYXLN

GS GRAINSTONE

L LITHOGRAPHIC

MX MICROXLN

MS MUDSTONE

PS PACKSTONE

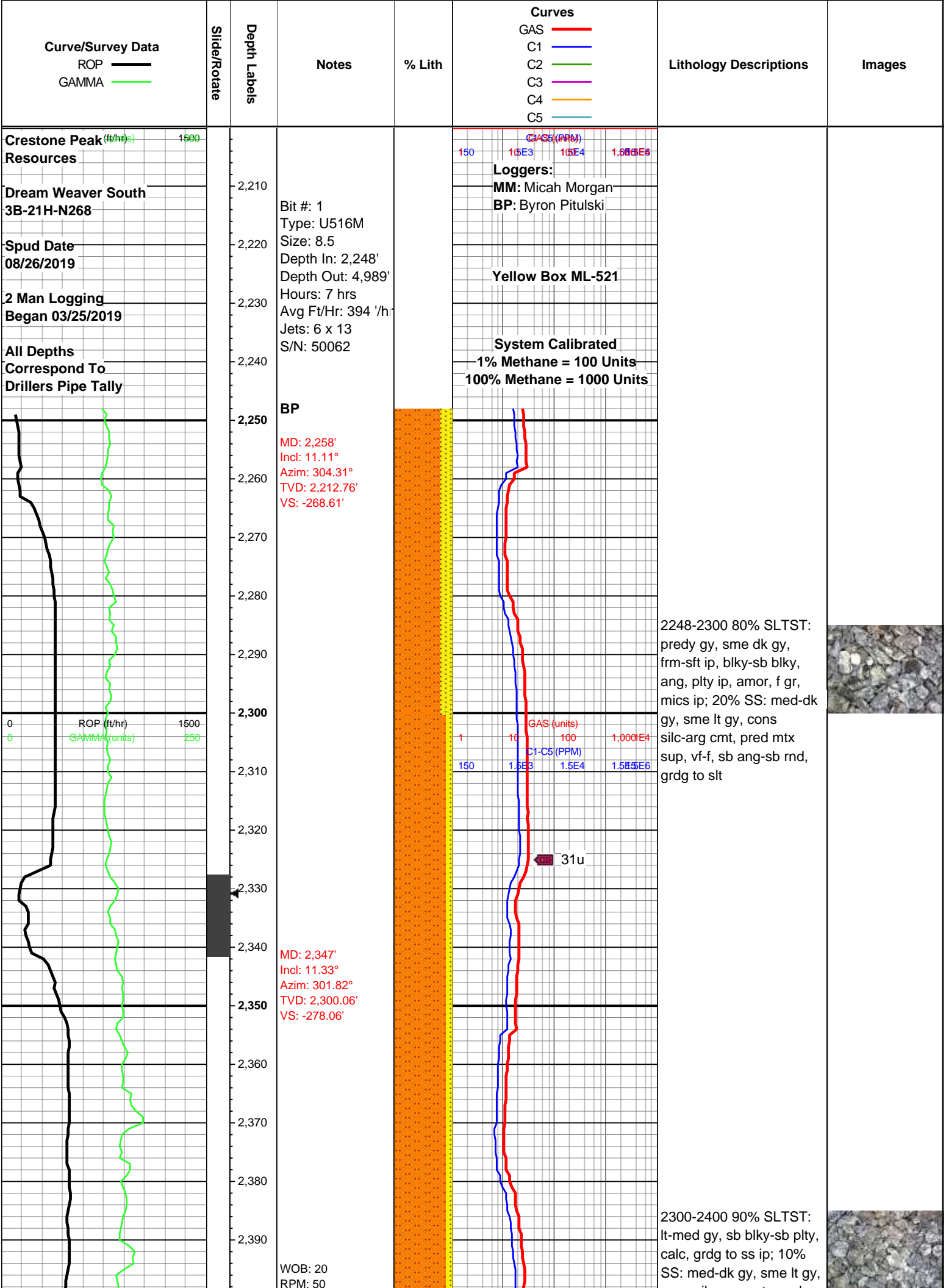
WS WACKESTONE

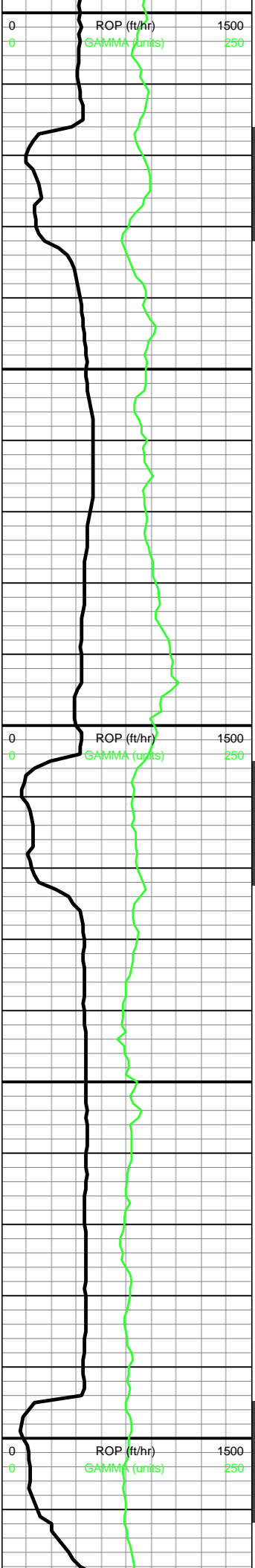
Sorting

M MODERATE

P POOR

W WELL





SPM: 172
SPP: 1,692

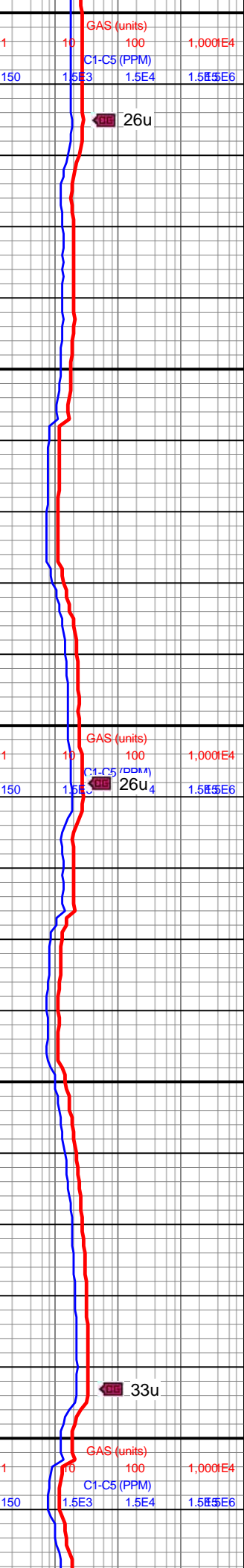
MD: 2,436'
Incl: 11.5°
Azim: 299.04°
TVD: 2,387.3'
VS: -286.97'

MW IN: 9.6
VIS IN: 46
MW OUT: 9.6
VIS OUT: 45

MD: 2,526'
Incl: 11.96°
Azim: 293.52°
TVD: 2,475.43'
VS: -295.05'

WOB: 10
RPM: 0
SPM: 202
SPP: 1,783

MD: 2,615'
Incl: 12.75°
Azim: 290.15°
TVD: 2,565.33'
VS: -303.18'

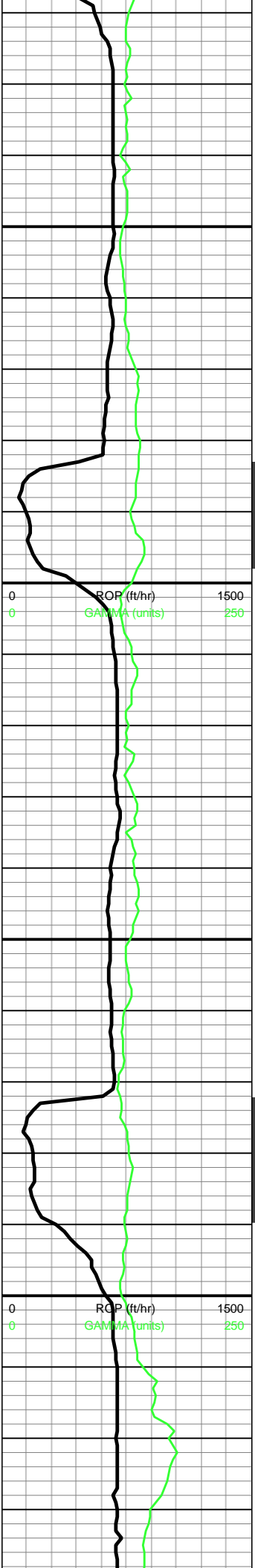


cons silc-arg cmt, pred
mtx sup, vf-f, sb ang-sb
rnd, grd to slt, xln

2400-2500 100% SLTST:
gy-dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, mics ip, tr clyst

2500-2600 80% SLTST:
gy-dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, mics ip, calc;
20% SS: med-dk gy, sme
lt gy, cons silc-arg cmt,
pred mtx sup, vf-f, sb
ang-sb rnd, grd to slt





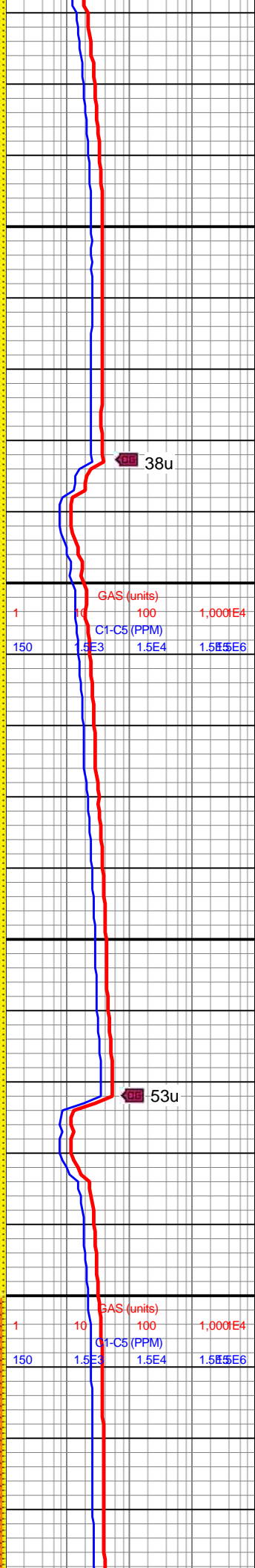
TVD: 2,562.36'
VS: -302.11'

MD: 2,704'
Incl: 12.76°
Azim: 291.19°
TVD: 2,649.17'
VS: -309.05'

MW IN: 9.5+
VIS IN: 46
MW OUT: 9.6
VIS OUT: 45

MD: 2,793'
Incl: 13.45°
Azim: 292.03°
TVD: 2,735.85'
VS: -316.48'

WOB: 28
RPM: 50
SPM: 202
SPP: 2,244



38u

GAS (units)
C1-C5 (PPM)

	1	10	100	1,000
GAS (units)	1.5E3	1.5E4	1.5E5	1.5E6

53u

GAS (units)
C1-C5 (PPM)

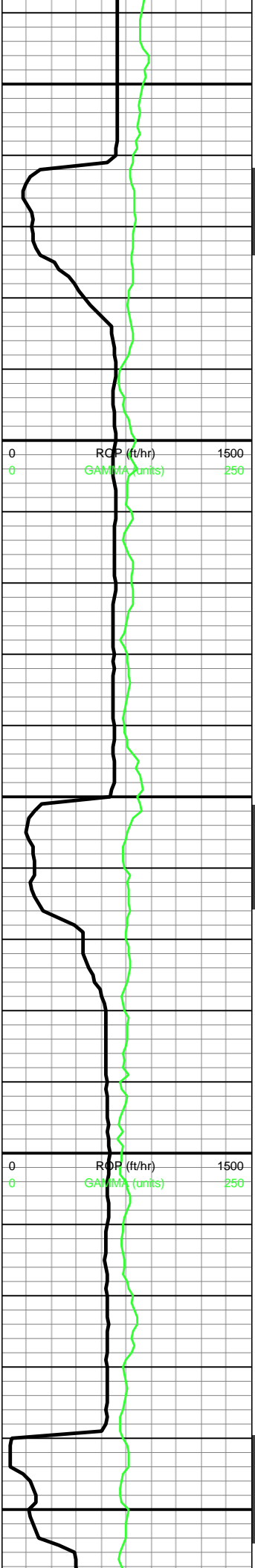
	1	10	100	1,000
GAS (units)	1.5E3	1.5E4	1.5E5	1.5E6

2600-2700 90% SLTST:
gy-dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, mics ip; 10%
SS: med-dk gy, sme lt gy,
vf-f, sb ang-sb rnd, grdg
to slt, wk calc



2700-2800 90% SLTST:
gy-dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, mics ip; 10%
SS: med-dk gy, sme lt gy,
vf-f, sb ang-sb rnd, grdg
to slt, wk-mod calc





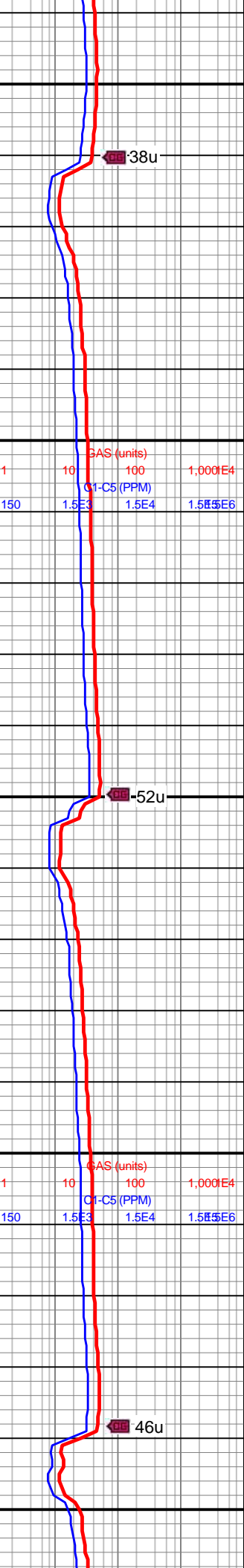
2,840
2,850
2,860
2,870
2,880
2,890
2,900
2,910
2,920
2,930
2,940
2,950
2,960
2,970
2,980
2,990
3,000
3,010
3,020
3,030
3,040
3,050

MD: 2,882'
Incl: 12.96°
Azim: 288.73°
TVD: 2,822.5'
VS: -323.57'

MD: 2,971'
Incl: 13.48°
Azim: 291.37°
TVD: 2,909.14'
VS: -330.56'

WOB: 33
RPM: 50
SPM: 202
SPP: 2,368

MD: 3,060'



38u

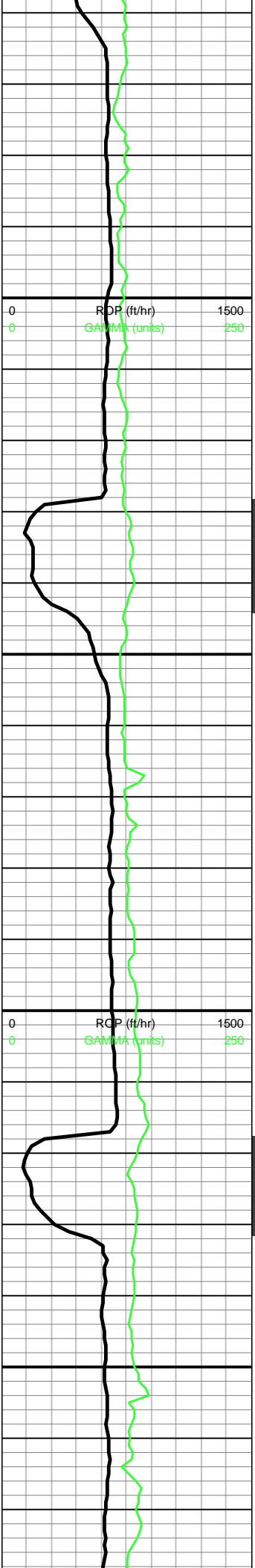
52u

46u

2800-2900 95% SLTST:
gy-dk gy, frm-fri, blk-y-sb
blk-y, ang, plty ip, amor, f
gr, mics ip; 5% SS:
med-dk gy scat grns,
sme lt gy, vf-f, sb ang-sb
rnd, grd to slt, wk-mod
calc

2900-3000 100% SLTST:
predy gy-dk gy, frm-fri,
blk-y-sb blk-y, ang, plty ip,
amor, f gr, mics ip, wk
calc





3,060
3,070
3,080
3,090
3,100
3,110
3,120
3,130
3,140
3,150
3,160
3,170
3,180
3,190
3,200
3,210
3,220
3,230
3,240
3,250
3,260
3,270

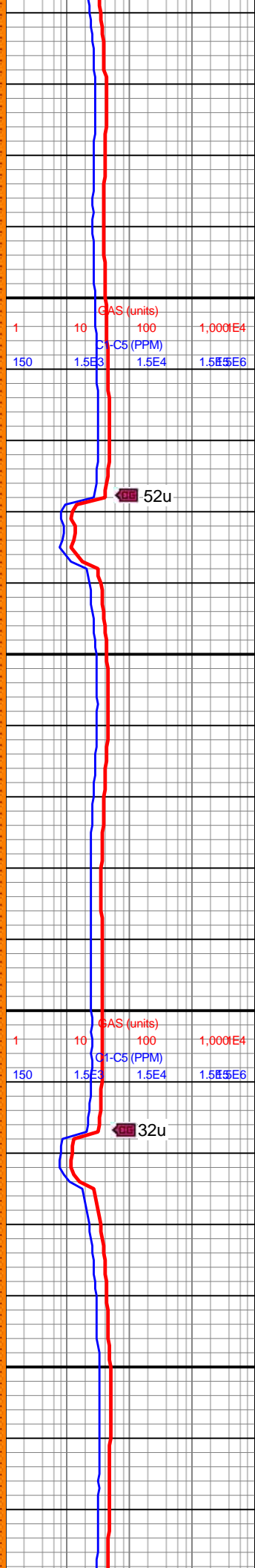
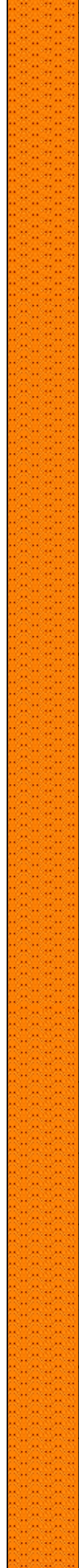
Incl: 13.8°
Azim: 292.41°
TVD: 2,995.63'
VS: -338.38'

MD: 3,149'
Incl: 13.14°
Azim: 297.05°
TVD: 3,082.18'
VS: -347.03'

WOB: 29
RPM: 50
SPM: 202
SPP: 2,429

MW IN: 9.5+
VIS IN: 45
MW OUT: 9.6
VIS OUT: 43

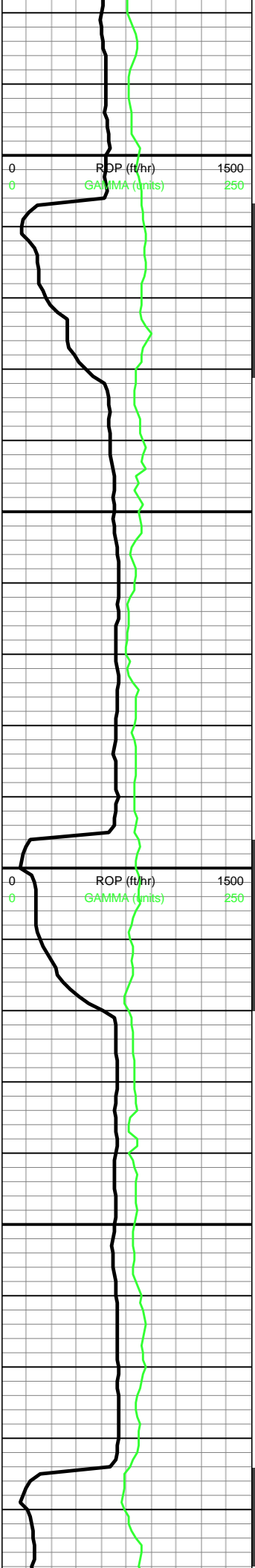
MD: 3,238'
Incl: 12.44°
Azim: 295.85°
TVD: 3,168.98'
VS: -355.81'



3000-3100 100% SLTST:
predy gy-dk gy, frm-fri,
blky-sb blky, ang, plty ip,
amor, vf gr, mics, v wk
calc, tr SS

3100-3200 100% SLTST:
predy gy-dk gy, frm-fri,
blky-sb blky, ang, plty ip,
amor, vf gr, mics, tr SS



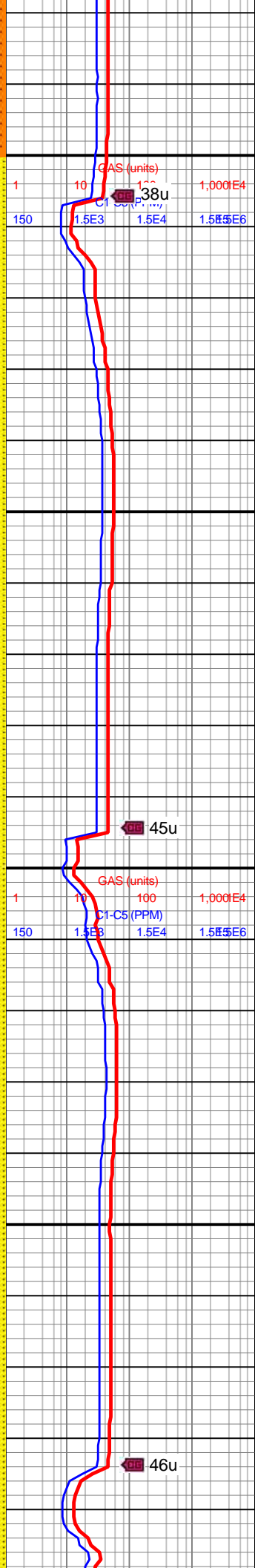


3,280
3,290
3,300
3,310
3,320
3,330
3,340
3,350
3,360
3,370
3,380
3,390
3,400
3,410
3,420
3,430
3,440
3,450
3,460
3,470
3,480
3,490

MD: 3,327'
Incl: 11.93°
Azim: 295.37°
TVD: 3,255.97'
VS: -363.93'

WOB: 12
RPM: 10
SPM: 202
SPP: 1,943

MD: 3,416'
Incl: 11.85°
Azim: 293.78°
TVD: 3,343.06'
VS: -371.56'

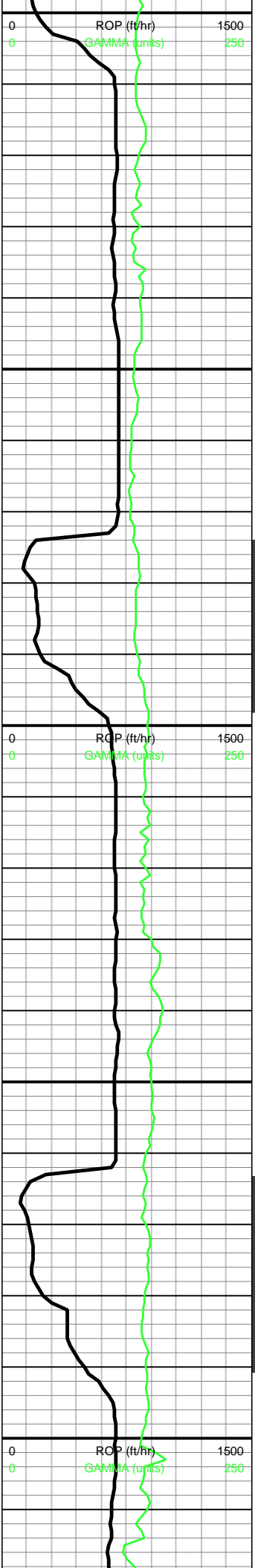


3200-3300 100% SLTST:
predy gy-dk gy, frm-fri,
blky-sb blky, ang, plty ip,
amor, vf gr, mics ip, tr SS,
wk calc

3300-3400 80% SLTST:
gy-dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, mics ip; 20%
SS: med-dk gy, sme lt gy,
mot, vf-f, sb ang-sb rnd
grns

3400-3500 85% SLTST:
predy gy, sme dk gy,
frm-sft ip, blky-sb blky,
ang, plty ip, amor, f gr,





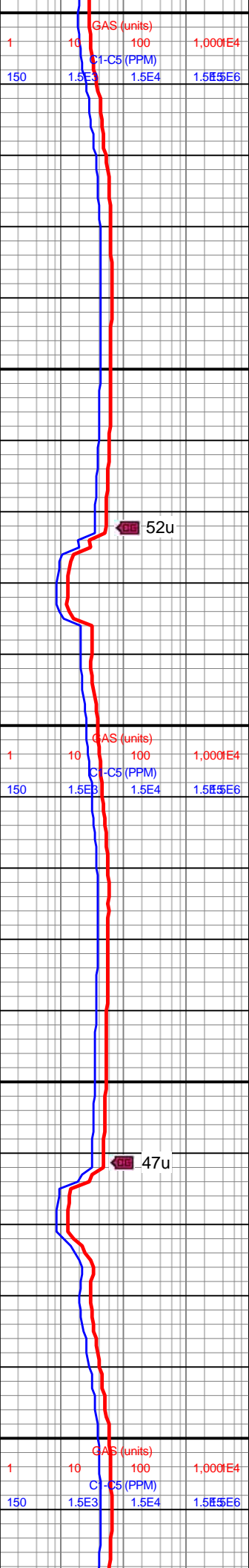
MD: 3,505'
Incl: 12.1°
Azim: 294.95°
TVD: 3,430.12'
VS: -379.18'

MD: 3,594'
Incl: 11.66°
Azim: 299.65°
TVD: 3,517.22'
VS: -387.56'

WOB: 30
RPM: 50
SPM: 202
SPP: 2,368

MD: 3,683'
Incl: 12.1°
Azim: 295.44°
TVD: 3,604.31'
VS: -396.02'

MW IN: 9.5+
VIS IN: 46
MW OUT: 9.6
VIS OUT: 43

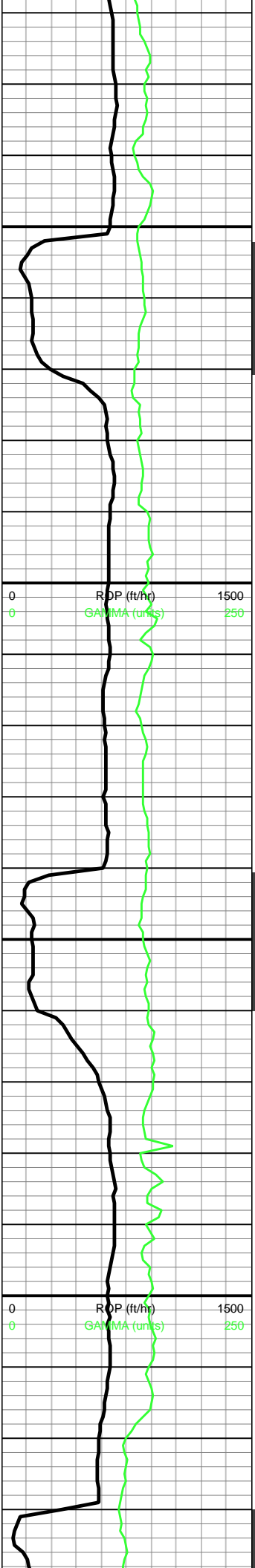


mics ip; 15% SS: med-dk gy, sme lt gy, mot, vf-f, sb ang-sb rnd grns

3500-3600 95% SLTST: predy gy, sme dk gy, frm-sft ip, blk-y-sb blk-y, ang, plty ip, amor, f gr, mics ip; 5% SS: med-dk gy, sme lt gy, tr scat, vf-f, sb ang-sb rnd grns, wk calc

3600-3700 95% SLTST: predy gy, sme dk gy, frm-sft ip, blk-y-sb blk-y, ang, plty ip, amor, f gr, mics ip; 5% SS: med-dk gy, sme lt gy, tr scat, vf-f, sb ang-sb rnd grns, wk calc





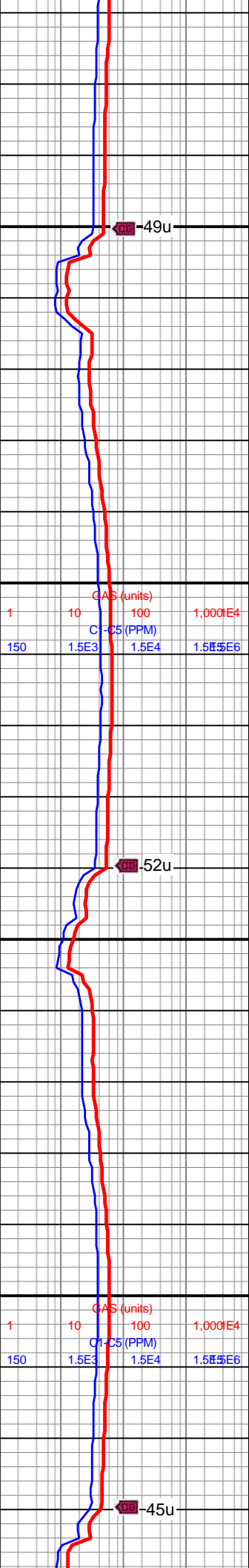
3,720
3,730
3,740
3,750
3,760
3,770
3,780
3,790
3,800
3,810
3,820
3,830
3,840
3,850
3,860
3,870
3,880
3,890
3,900
3,910
3,920
3,930

MD: 3,772'
Incl: 12.36°
Azim: 297.99°
TVD: 3,691.3'
VS: -404.49'

WOB: 36
RPM: 50
SPM: 202
SPP: 2,493

MD: 3,862'
Incl: 12.76°
Azim: 301.4°
TVD: 3,779.14'
VS: -414.19'

Larimer
3,922"MD/3,838'TVD



49u

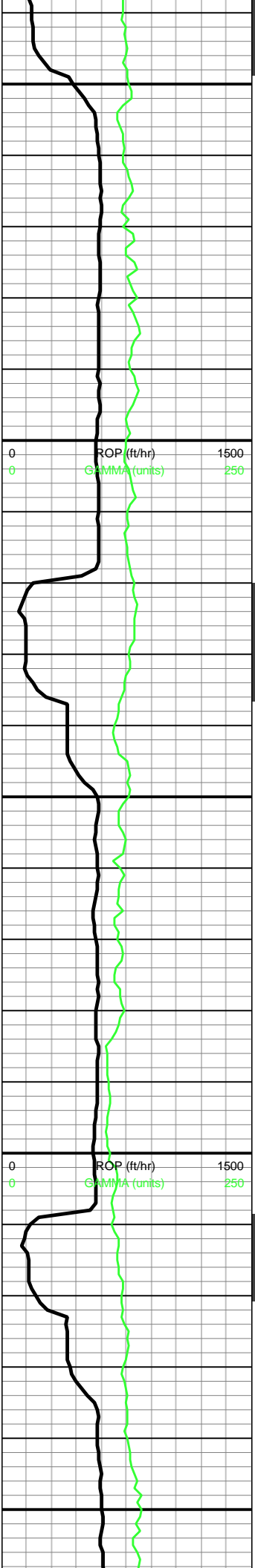
52u

45u

3700-3800 100% SLTST:
gy, sme dk gy, frm-sft ip,
blky-sb blky, ang, plty ip,
amor, f gr, v wk calc, tr
clyst

3800-3900 80% SLTST:
predy gy, sme dk gy,
frm-sft ip, blky-sb blky,
ang, plty ip, amor, f gr,
mics ip; 20% SS: med-dk
gy, sme lt gy, vf-f, sb
ang-sb rnd grns, v wk
calc





3,940
3,950
3,960
3,970
3,980
3,990
4,000
4,010
4,020
4,030
4,040
4,050
4,060
4,070
4,080
4,090
4,100
4,110
4,120
4,130
4,140
4,150

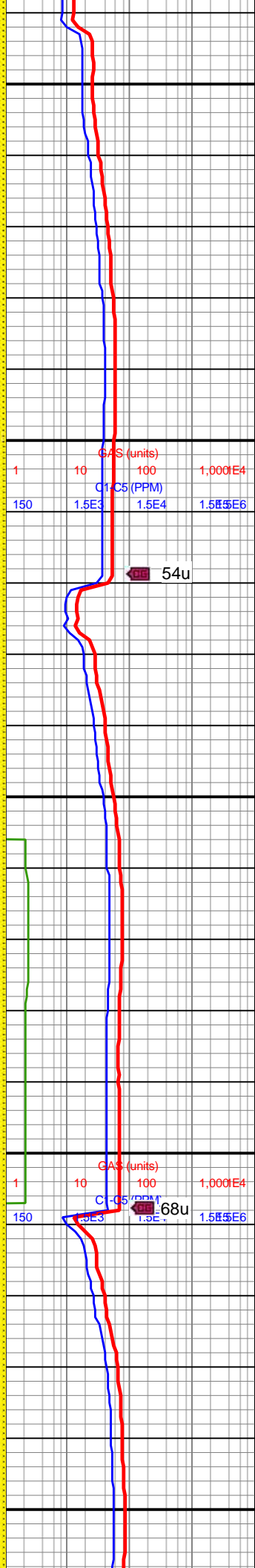
MD: 3,951'
Incl: 13.36°
Azim: 297.72°
TVD: 3,865.84'
VS: -424.1'

WOB: 34
RPM: 50
SPM: 202
SPP: 2,502

MW IN: 9.5
VIS IN: 45
MW OUT: 9.5+
VIS OUT: 43

MD: 4,040'
Incl: 14.31°
Azim: 297.8°
TVD: 3,952.26'
VS: -434.01'

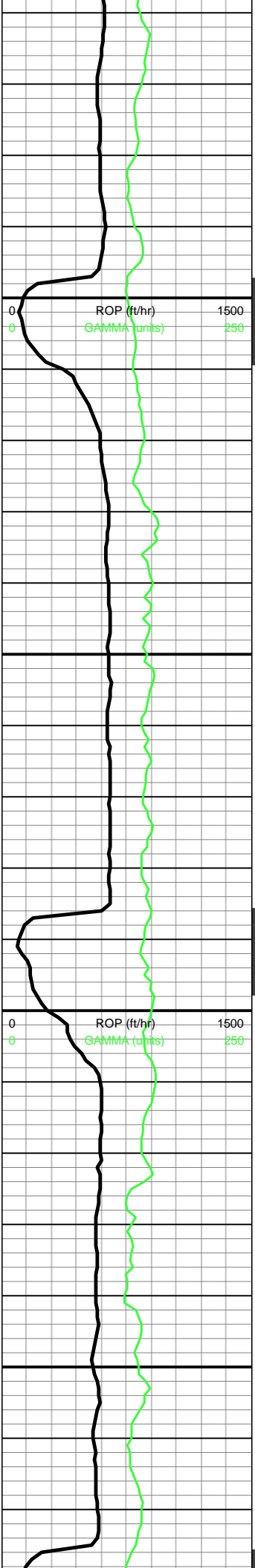
MD: 4,129'
Incl: 14.88°
Azim: 296.06°
TVD: 4,038.39'
VS: -444.16'



3900-4000 90% SLTST:
predy gy, sme dk gy,
frm-sft ip, blkly-sb blkly,
ang, plty ip, amor, f gr,
mics ip; 10% SS: med-dk
gy, sme lt gy, vf-f scat, sb
ang-sb rnd grns, wk calc,
tr LCM beads

4000-4100 80% SLTST:
predy gy, sme dk gy,
frm-sft ip, blkly-sb blkly,
ang, plty ip, amor, f gr,
mics ip; 20% SS: med-dk
gy, sme lt gy, vf-f, sb
ang-sb rnd grns, v wk
calc, tr LCM beads





4,160
4,170
4,180
4,190
4,200
4,210
4,220
4,230
4,240
4,250
4,260
4,270
4,280
4,290
4,300
4,310
4,320
4,330
4,340
4,350
4,360
4,370

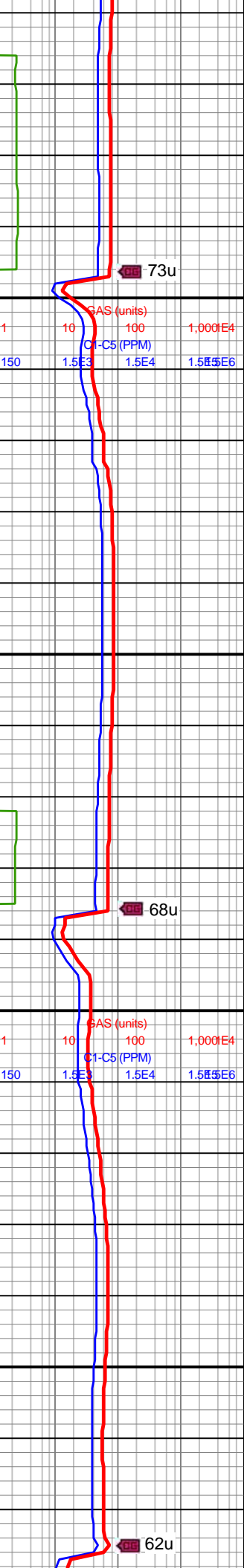
WOB: 15
RPM: 0
SPM: 202
SPP: 1,995

MD: 4,218'
Incl: 14°
Azim: 295.03°
TVD: 4,124.57'
VS: -453.74'

MD: 4,307'
Incl: 12.98°
Azim: 293.6°
TVD: 4,211.12'
VS: -462.29'

MW IN: 9.5
VIS IN: 45
MW OUT: 9.5+
VIS OUT: 43

MD: 4,396'



73u

68u

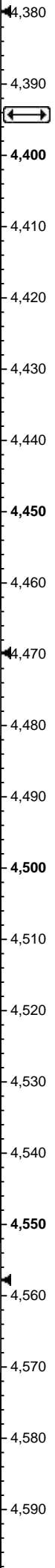
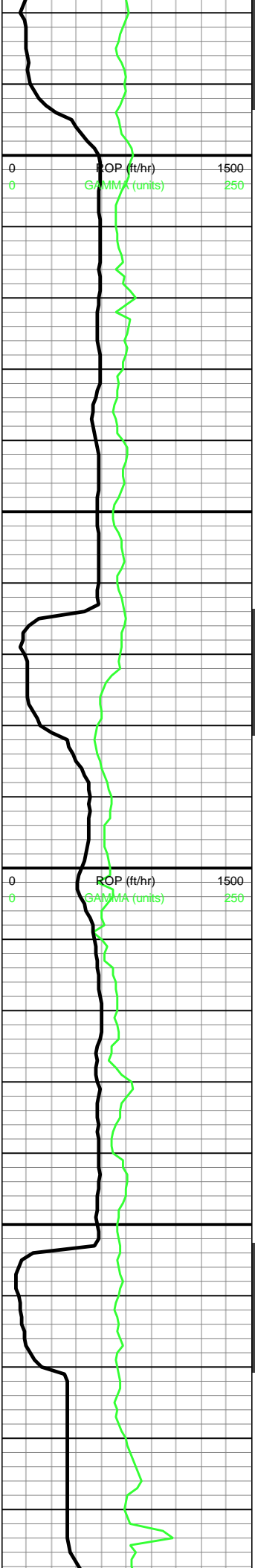
62u

4100-4200 60% SLTST:
predy med gy, sme dk
gy, sb blkly-sb plty, vf-f
grnd, calc, grdg to ss ip,
mmica; 40% SS: lt-med
gy, sme gyshbn, sb
ang-sb rnd, f grnd, cons
silc-arg cmt, grdg to slt,
suc



4200-4300 60% SLTST:
predy med gy, sme dk
gy, sb blkly-sb plty, vf-f
grnd, grdg to ss ip,
mmica; 40% SS: lt-med
gy, sme gyshbn, sb
ang-sb rnd, f grnd, cons
silc-arg cmt, grdg to slt,
suc, sl calc



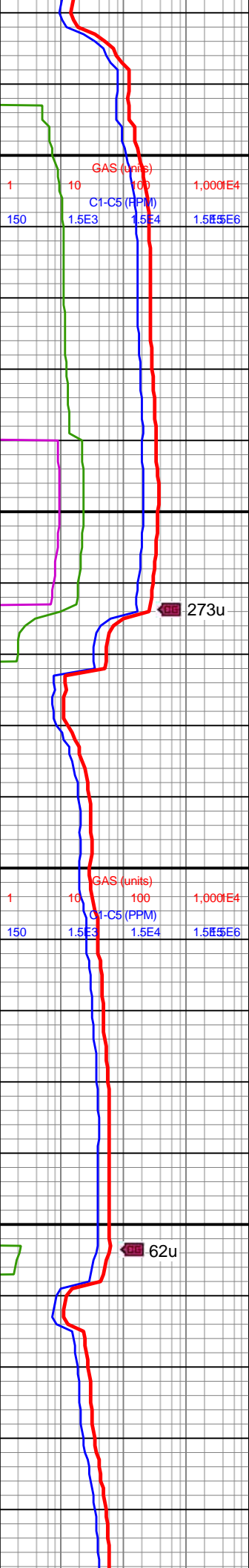


Sussex
4,397"MD/4,298'TVD
WOB: 34
RPM: 50
SPM: 202
SPP: 2,581

MD: 4,485'
Incl: 13.31°
Azim: 300.24°
TVD: 4,384.34'
VS: -481.23'

MD: 4,574'
Incl: 14.24°
Azim: 300.2°
TVD: 4,470.78'
VS: -491.9'

WOB: 29

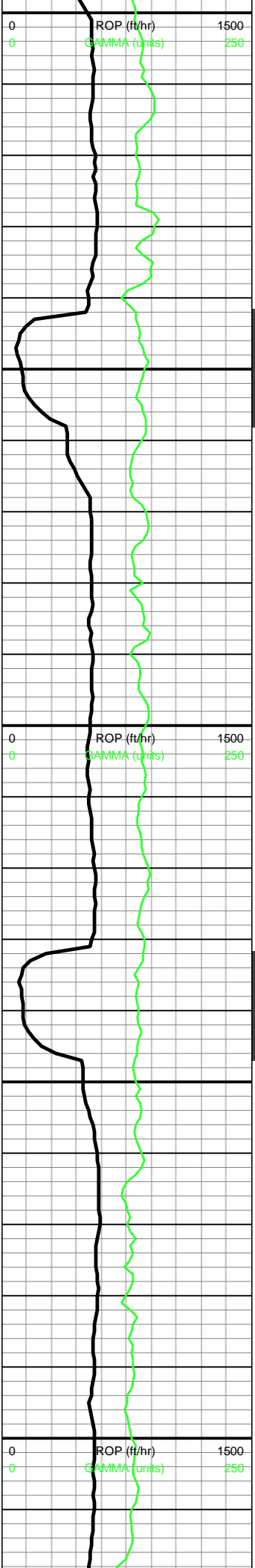


4300-4400 65% SLTST:
med gy-dk gy, sb blk-y-sb
plty, vf-f grnd, calc, grdg
to ss ip, mmica; 35%
SS: lt-med gy, sme
gyshbn, sb ang-sb rnd, f
grnd, cons silc-arg cmt,
grdg to slt, suc

4400-4500 70% SS:
lt-med gy-gyshbn, abnt
clr qtz, sb ang-sb rnd, f
grnd, cons silc-arg cmt,
grdg to slt, suc; 30%
SLTST: med gy-dk gy, sb
blk-y-sb plty, vf-f grnd,
calc, grdg to ss ip,
mmica

4500-4600 75% SS:
lt-med gy-gyshbn, abnt
clr qtz, sb ang-sb rnd, f
grnd, cons silc-arg cmt, v
suc, grdg to slt; 25%
SLTST: med gy-dk gy, sb
blk-y-sb plty, vf-f grnd,
grdg to ss ip, mmica,



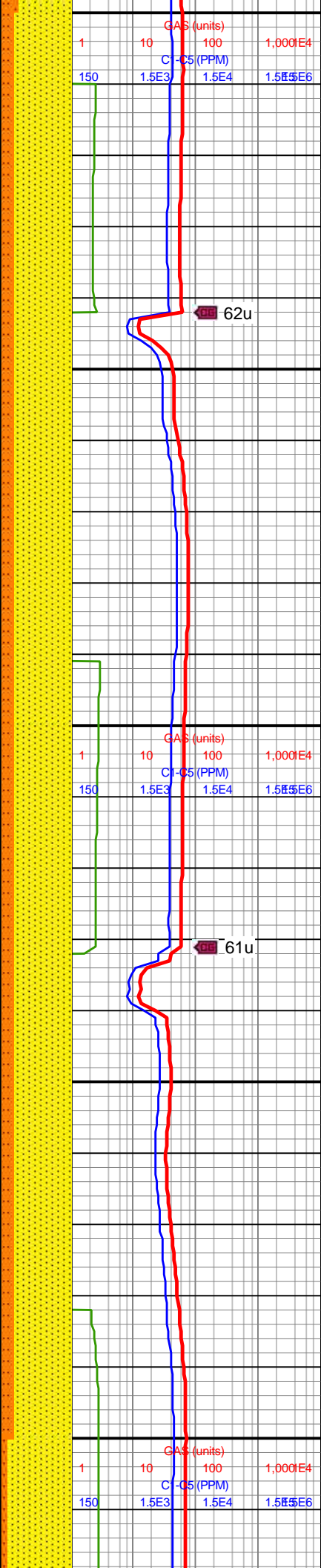


RPM: 202
SPM: 2,496
SPP: 2,531

MW IN: 9.5
VIS IN: 45
MW OUT: 9.5+
VIS OUT: 42

MD: 4,663'
Incl: 14.21°
Azim: 299.81°
TVD: 4,557.05'
VS: -502.83'

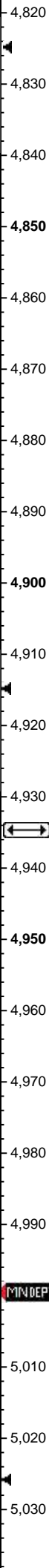
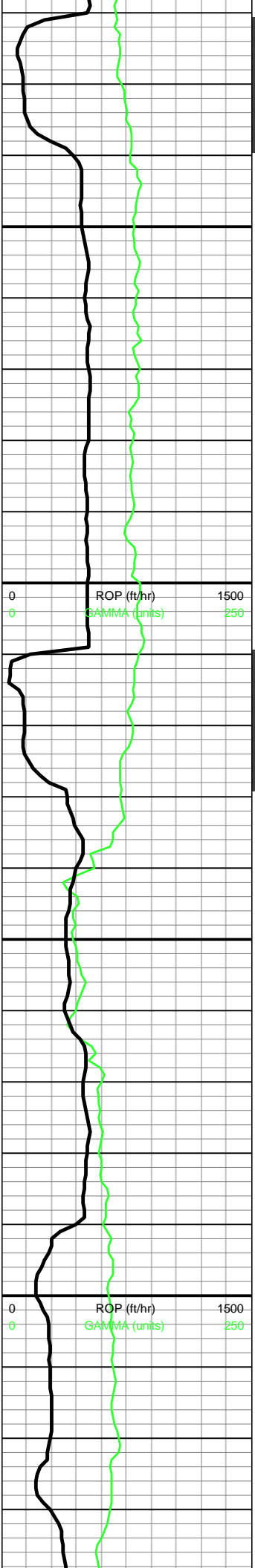
WOB: 31
RPM: 50
SPM: 202
SPP: 2,666



calc

4600-4700 80% SS:
lt-med gy-gyshbn, abnt
clr qtz, sb ang-sb rnd, f
grnd, silc-arg cmt, v suc,
grdg to slt; 20% SLTST:
med gy-dk gy, sb blk-y-sb
plty, vf-f grnd, mmica,
calc, grdg to ss

4700-4800 80% SS:
lt-med gy-gyshbn, abnt
clr qtz, sb ang-sb rnd, f
grnd, silc-arg cmt, v suc,
grdg to slt; 20% SLTST:
med gy-dk gy, sb blk-y-sb
plty, vf-f grnd, mmica,
calc, grdg to ss



MD: 4,842'
Incl: 12.88°
Azim: 295.97°
TVD: 4,731.04'
VS: -523.1'

MW IN: 9.5
VIS IN: 45
MW OUT: 9.5
VIS OUT: 43

MD: 4,917'
Incl: 13.44°
Azim: 294.97°
TVD: 4,804.07'
VS: -530.44'

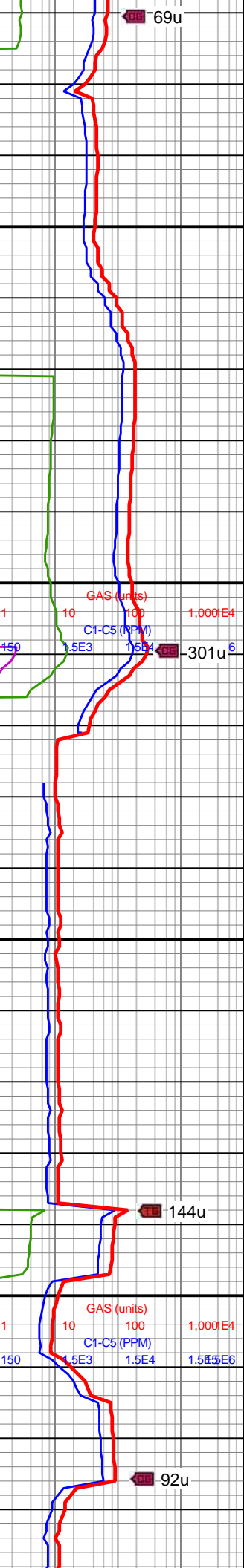
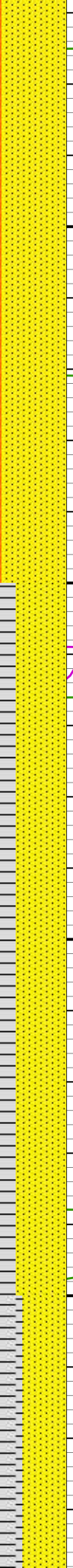
Shannon
4,934"MD/4,821'TVD

MD: 4,982'
Incl: 13.04°
Azim: 294.5°
TVD: 4,867.34'
VS: -536.67'

**TOOH
Pump Cement
Plug
4,989'MD**

MINDEPTH 3/27/2020

Bit #: 2
Type: MDI516
Size: 8.5
Depth In: 4,989'
Depth Out: 15,230'
Hours: 57.8 hrs
Avg Ft/Hr: 177 'hr
Jets: 5x10, 2x9
S/N: JV1182

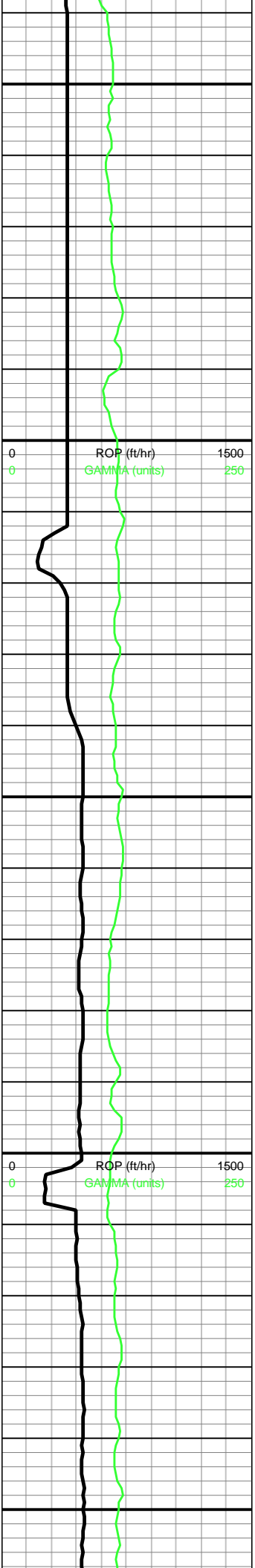


4800-4900 90% SS:
lt-med gy-gyshbn, abnt
clr qtz, sb ang-sb rnd, f
grnd, silc-arg cmt, v suc,
grdg to slt; 10% SLTST:
med gy-dk gy, sb blk-y-sb
ply, vf-f grnd, grdg to ss
ip, mmica, calc



4900-5000 70% SS: v lt
gy, occ wht or med gy,
hd-frn, rnd-sb rnd grns
in cons mtx, w srt, vf gr,
com free qtz; 30% SLTY
SH: gy-med gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, ply fiss, suc ip,
wkly calc



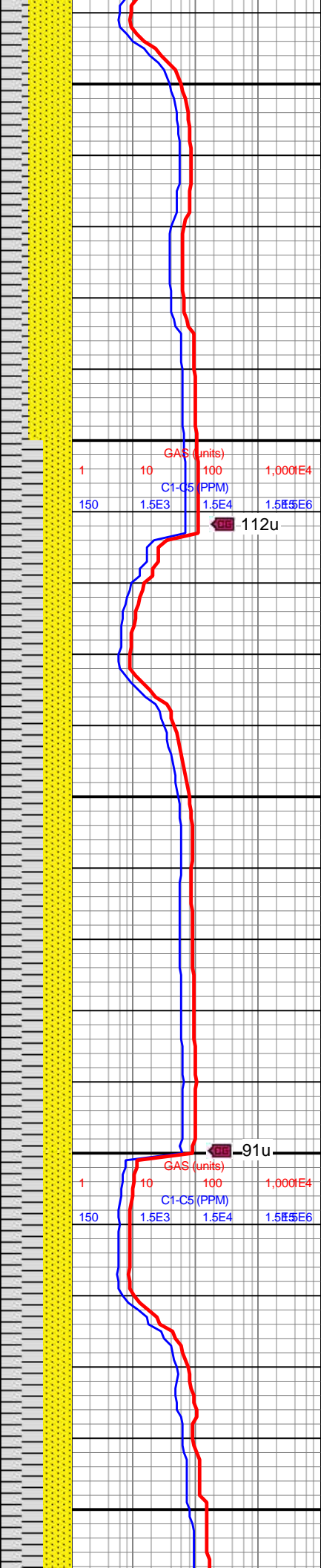


WOB: 20
RPM: 60
SPM: 189
SPP: 2,847

MD: 5,071'
Incl: 13.35°
Azim: 295.91°
TVD: 4,953.99'
VS: -545.32'

WOB: 30
RPM: 80
SPM: 190
SPP: 3,201

MD: 5,249'
Incl: 13.41°
Azim: 296.08°
TVD: 5,127.21'
VS: -563.02'

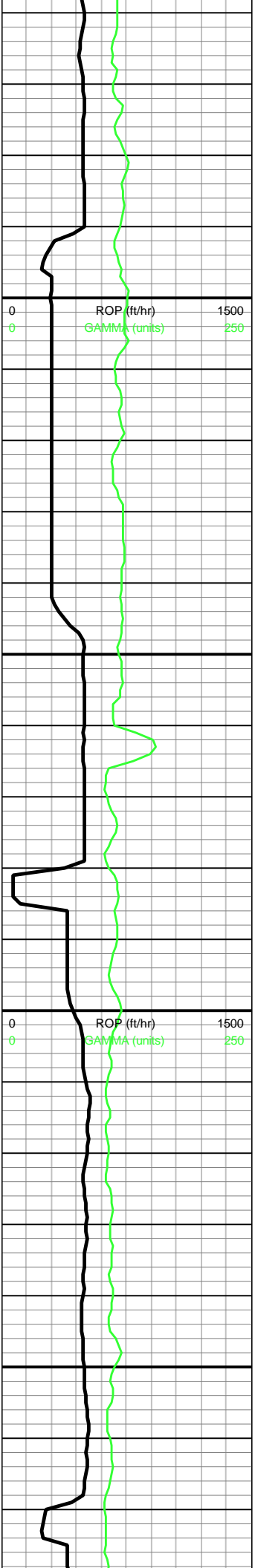


5000-5100 60% SS: v lt gy, occ wht or med gy, hd frm, rnd sb rnd grns in cons mtx, w srt, vf gr, com free qtz; 40% SLTY SH: gy-med gy, sb ang-tab, frm-hrd, slty-sl abrsv, ply fiss, suc ip, wkly calc



5100-5200 60% SLTY SH: gy-med gy, sb ang-tab, frm-hrd, slty-sl abrsv, ply fiss, suc ip; 40% SS: v lt gy, occ wht or med gy, hd frm, rnd sb rnd grns in cons mtx, w srt, vf gr, wkly calc





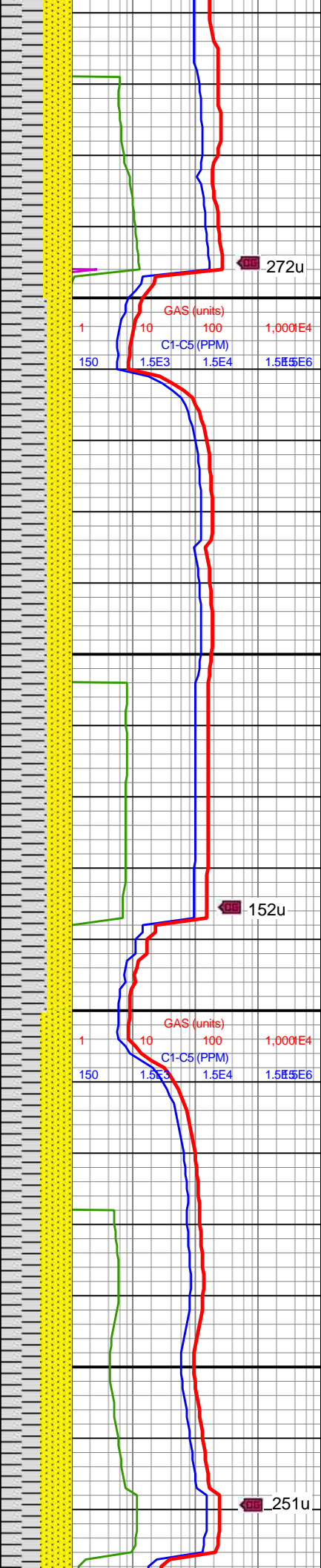
5,260
5,270
5,280
5,290
5,300
5,310
5,320
5,330
5,340
5,350
5,360
5,370
5,380
5,390
5,400
5,410
5,420
5,430
5,440
5,450
5,460
5,470

MW IN: 9.8
VIS IN: 50
MW OUT: 9.8
VIS OUT: 48

MD: 5,338'
Incl: 13.69°
Azim: 295.03°
TVD: 5,213.73'
VS: -572.02'

WOB: 23
RPM: 85
SPM: 190
SPP: 3,123

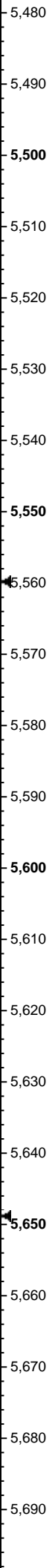
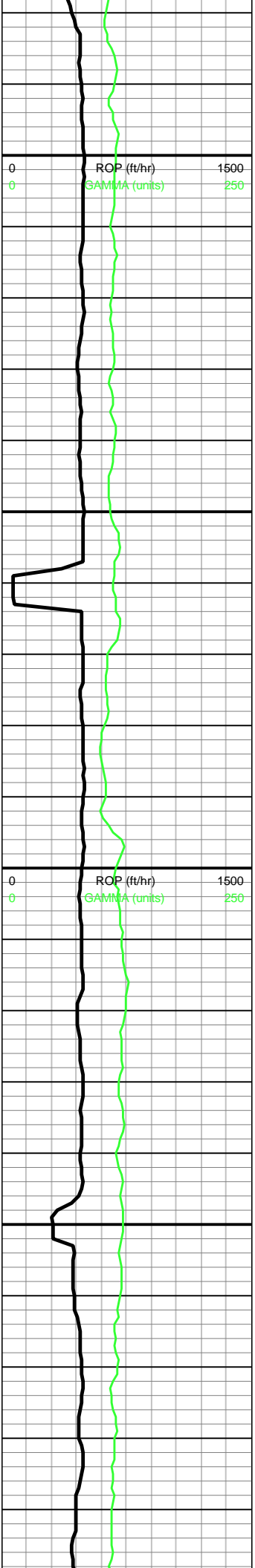
MD: 5,427'
Incl: 13.29°
Azim: 294.52°
TVD: 5,300.28'
VS: -580.72'



5200-5300 60% SLTY
SH: gy-med gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, ply fiss, suc ip;
40% SS: v lt gy, occ wht
or med gy, hd-frm, rnd-sb
rnd grns in cons mtx, w
srt, vf gr, wkly calc

5300-5400 65% SLTY
SH: gy, sb ang-tab,
frm-hrd, slty-sl abrsv, ply
fiss, suc ip; 35% SS: lt gy,
occ wht or med gy,
hd-frm, rnd-sb rnd grns
in cons mtx, w srt, vf gr,
wkly calc



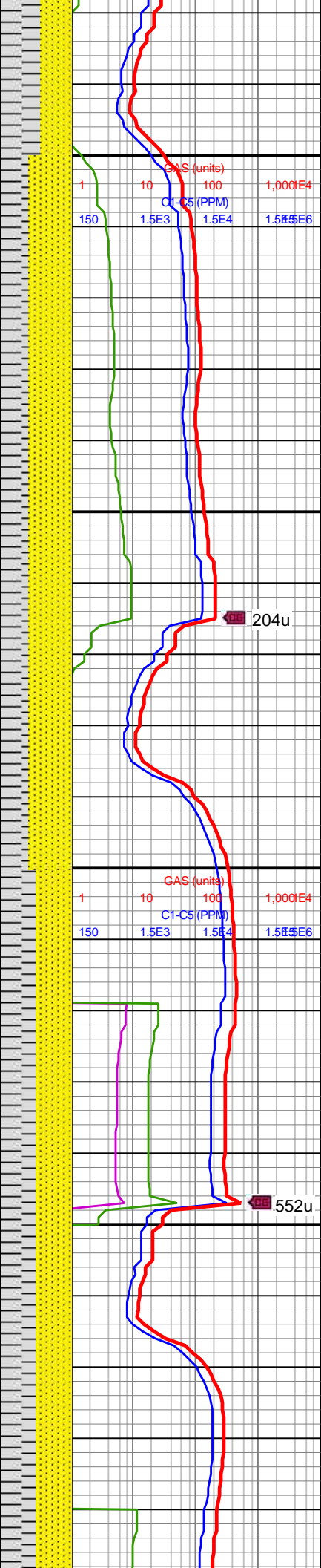


MD: 5,516'
Incl: 13.44°
Azim: 295.05°
TVD: 5,386.87'
VS: -589.34'

WOB: 31
RPM: 80
SPM: 190
SPP: 3,220

MD: 5,605'
Incl: 13.26°
Azim: 293.65°
TVD: 5,473.46'
VS: -597.81'

MD: 5,694'
Incl: 13.33°
Azim: 296°
TVD: 5,560.08'
VS: -606.4'

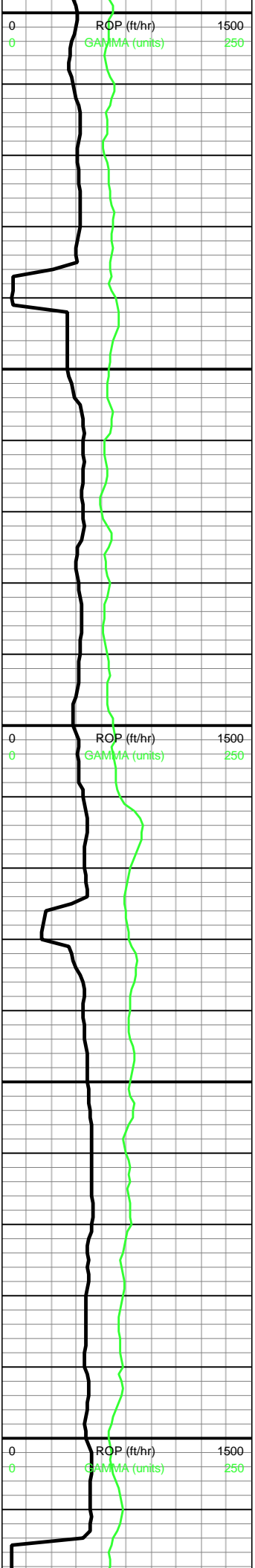


5400-5500 55% SLTY
SH: gy, sb ang-tab,
frm-hrd, slty-sl abrsv, ply
fiss, suc ip; 45% SS: lt gy,
occ wht or med gy,
hd-frm, rnd-sb rnd grns
in cons mtx, w srt, vf gr,
wkly calc

5500-5600 60% SS: v lt
gy, wht-med gy, hd-frm,
rnd-sb rnd grns in cons
mtx, w srt, vf gr, abnt intbd
qtz; 40% SLTY SH: dk gy,
sb ang-tab, frm-hrd,
slty-sl abrsv, p-mod fiss,
suc ip, grdg to SS, wk
calc; com SLTST mtx

5600-5700 50% SLTY
SH: gy-med gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, p-mod fiss, suc,
com grdg to SS; 50% SS:





5,700
5,710
5,720
5,730
5,740
5,750
5,760
5,770
5,780
5,790
5,800
5,810
5,820
5,830
5,840
5,850
5,860
5,870
5,880
5,890
5,900
5,910

VS: -606.4'

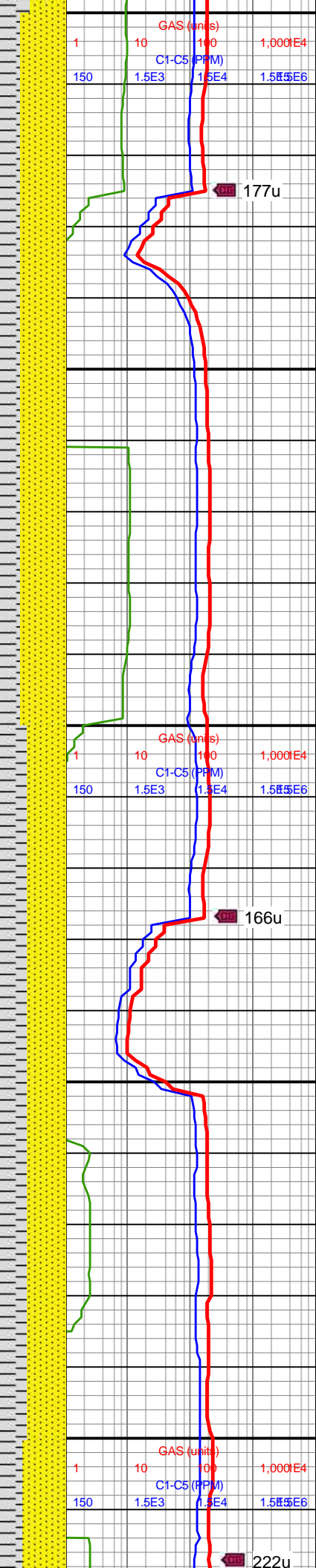
MW IN: 9.7+
VIS IN: 47
MW OUT: 9.8
VIS OUT: 46

MD: 5,783'
Incl: 13.22°
Azim: 294.17°
TVD: 5,646.7'
VS: -615.06'

WOB: 30
RPM: 80
SPM: 190
SPP: 3,189

Mitten Top
5,813'MD/5,675'TVD

MD: 5,872'
Incl: 13.34°
Azim: 295.94°
TVD: 5,733.32'
VS: -623.72'

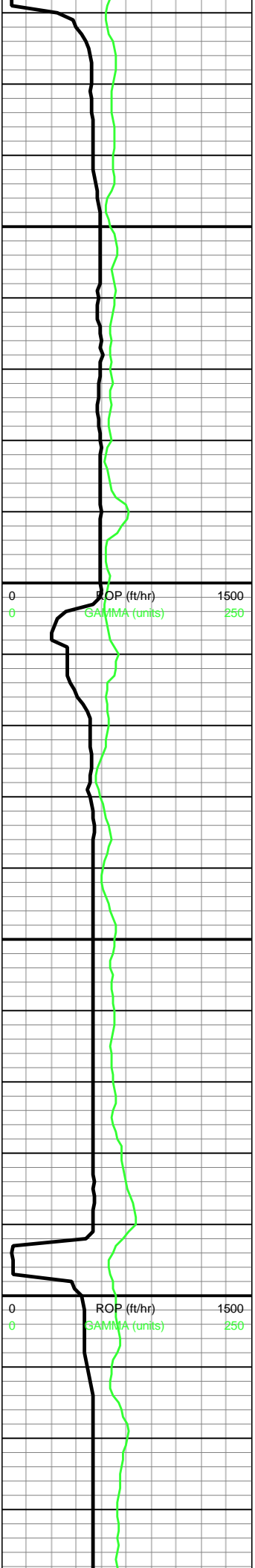


com grg to SS, 50 % SS.
v lt gy, gy-wht, hd frm,
rnd-sb rnd grns in cons
mtx, w srt, vf gr, mod calc

5700-5800 65% SS: v lt
gy, wht-gy, hd frm, rnd-sb
rnd grns in cons mtx, w
srt, vf gr, abnt intbd qtz;
35% SLTY SH: gy-med
gy, sb ang-tab, frm-hrd,
slty-sl abrsv, p-mod fiss,
suc, SS intbds, wk-mod
calc; com SLTST

5800-5900 55% SS:
lt-med gy, occ wht-med
gy, hd frm, rnd-sb rnd
grns in silc mtx, tr slt mtx,
w srt, vf gr; 45% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, suc, p-mod fiss;
calc





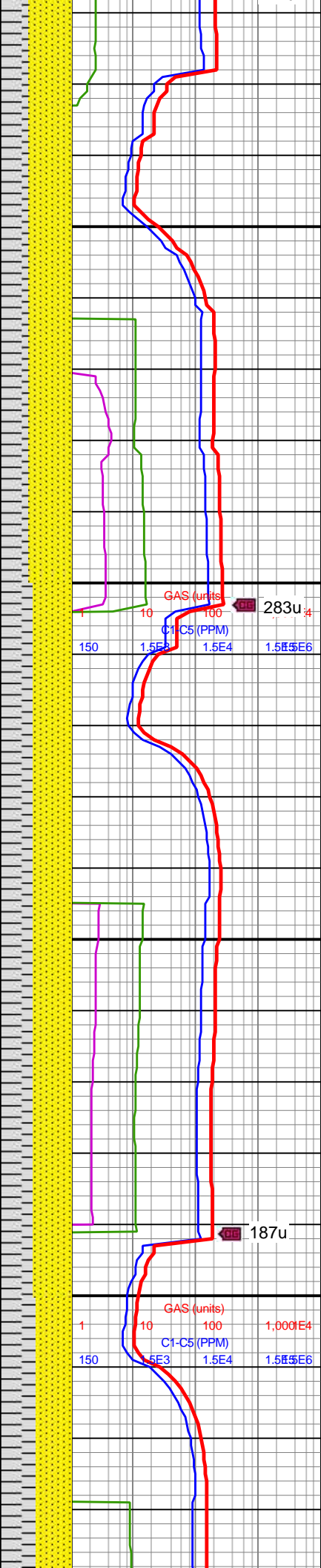
5,920
5,930
5,940
5,950
5,960
5,970
5,980
5,990
6,000
6,010
6,020
6,030
6,040
6,050
6,060
6,070
6,080
6,090
6,100
6,110
6,120
6,130

MD: 5,962'
Incl: 13.06°
Azim: 294.11°
TVD: 5,820.95'
VS: -632.42'

WOB: 29
RPM: 82
SPM: 190
SPP: 3,186

MD: 6,050'
Incl: 13.37°
Azim: 293.93°
TVD: 5,906.61'
VS: -640.61'

MD: 6,140'
Incl: 12.72°

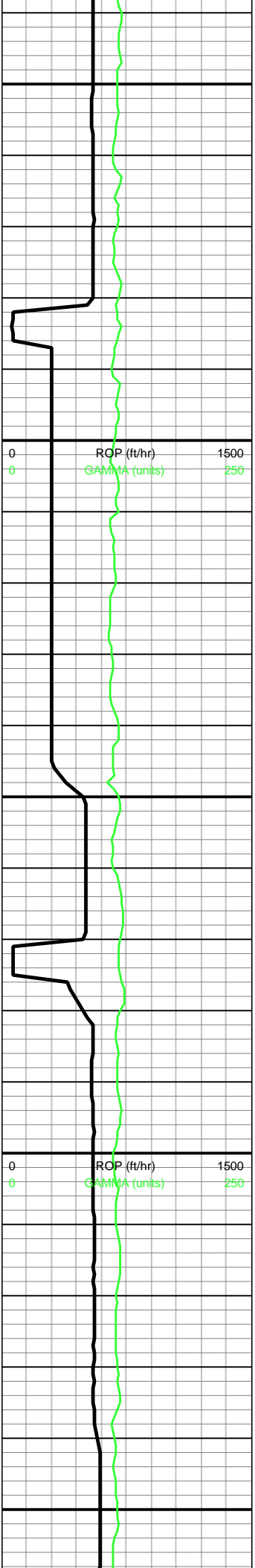


5900-6000 60% SS:
lt-med gy, occ wht-med
gy, hd-frm, rnd-sb rnd
grns in silc mtx, tr slt mtx,
w srt, vf gr; 40% SLTY
SH: med gy-dk gy,
frm-hrd, sb ang-tab,
slty-sl abrsv, suc, p-mod
fiss; wk calc



6000-6100 55% SS:
lt-med gy, occ wht-med
gy, hd-frm, rnd-sb rnd
grns in silc mtx, tr slt mtx,
w srt, vf gr; 45% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, suc, p-mod fiss;
wk calc





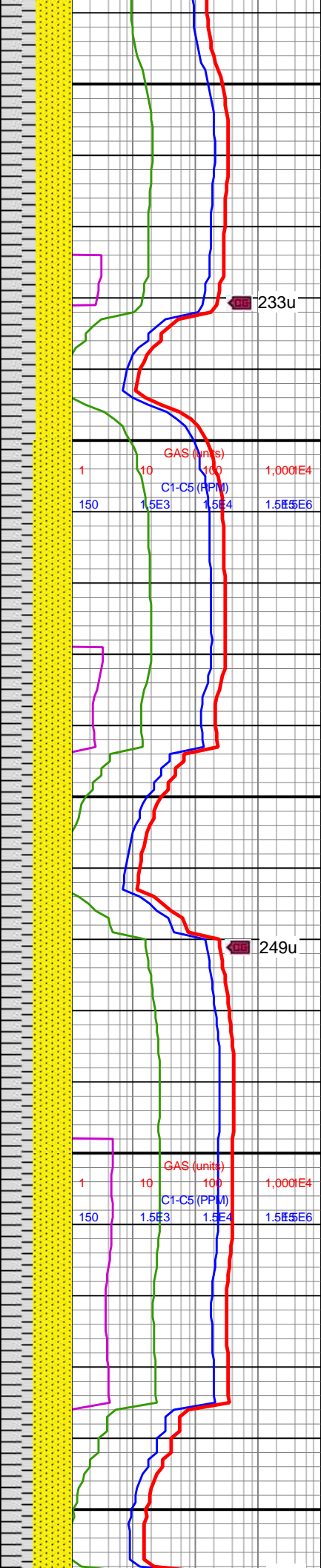
Azim: 293.5°
TVD: 5,994.29'
VS: -648.78'

MW IN: 9.7
VIS IN: 47
MW OUT: 9.7+
VIS OUT: 45

WOB: 15
RPM: 80
SPM: 189
SPP: 2,933

MD: 6,229'
Incl: 13.47°
Azim: 293.97°
TVD: 6,080.98'
VS: -656.89'

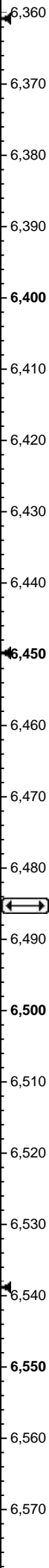
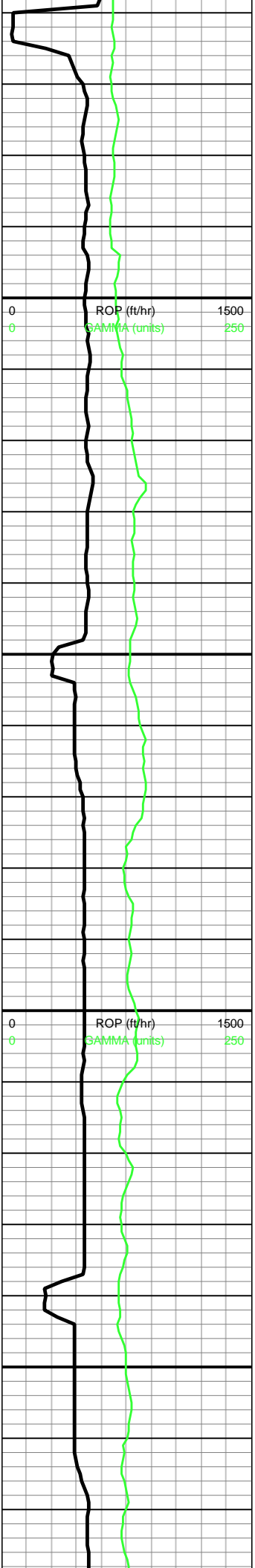
MD: 6,318'
Incl: 13.72°
Azim: 295.04°
TVD: 6,167.48'
VS: -665.57'



6100-6200 50% SS: v lt gy, occ wht-med gy, hd-frm, rnd-sb rnd grns in cons mtx, tr slt mtx, w srt, vf gr, abnt intbd qtz, wk-mod calc; SLTY 50% SH: med gy-dk gy, sb ang-tab, frm-hrd, slty-sl abrsv, suc ip, grdg to slt, p-mod fiss

6200-6300 55% SS: v lt gy, occ wht-med gy, hd-frm, rnd-sb rnd grns in cons mtx, tr slt mtx, w srt, vf gr, abnt intbd qtz, wk-mod calc; 45% SLTY SH: med gy-dk gy, sb ang-tab, frm-hrd, slty-sl abrsv, suc ip, grdg to slt, p-mod fiss





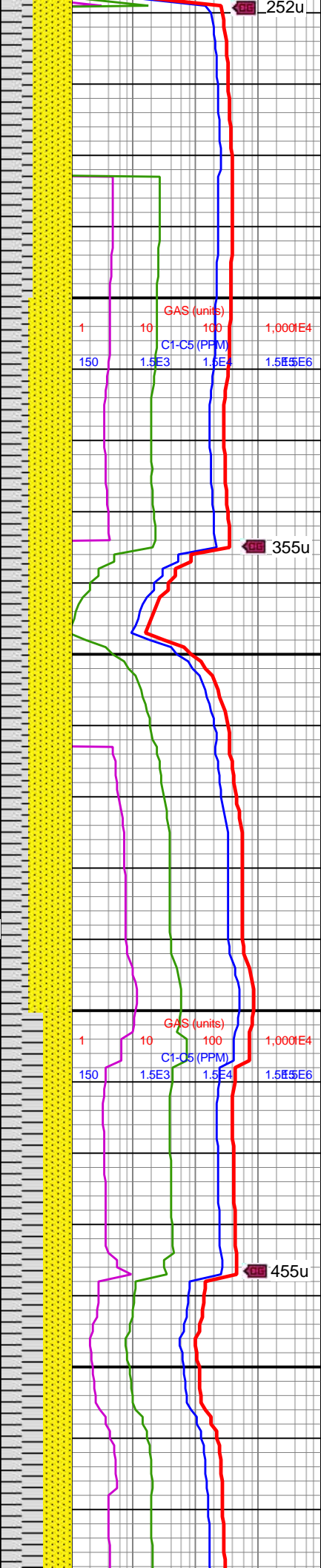
WOB: 34
RPM: 80
SPM: 190
SPP: 3,189

MD: 6,407'
Incl: 12.78°
Azim: 294.46°
TVD: 6,254.11'
VS: -674.12'



Tepee Buttes
6,485'MD/6,330'TVD

MD: 6,496'
Incl: 13.45°
Azim: 294.06°
TVD: 6,340.79'
VS: -682.41'

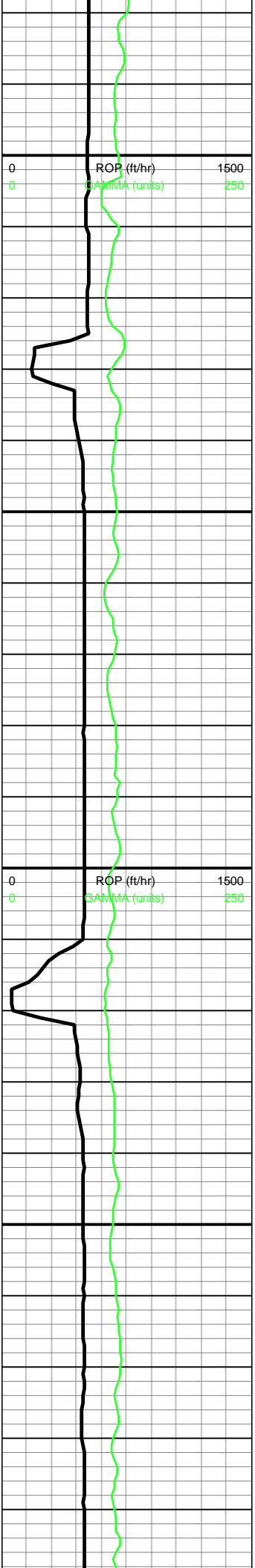


6300-6400 55% SS:
lt-med gy, occ wht-med
gy, hd-frm, rnd-sb rnd
grns in silc mtx, tr slt mtx,
w srt, vf gr; 45% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, suc, mod fiss; v wk
calc



6400-6500 60% SS:
lt-med gy, occ wht-med
gy, hd-frm, rnd-sb rnd
grns in silc mtx, tr slt mtx,
w srt, vf gr; 40% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, suc, p-mod fiss;
wk calc





MD: 6,585'
Incl: 13.64°
Azim: 294.8°
TVD: 6,427.31'
VS: -691.03'

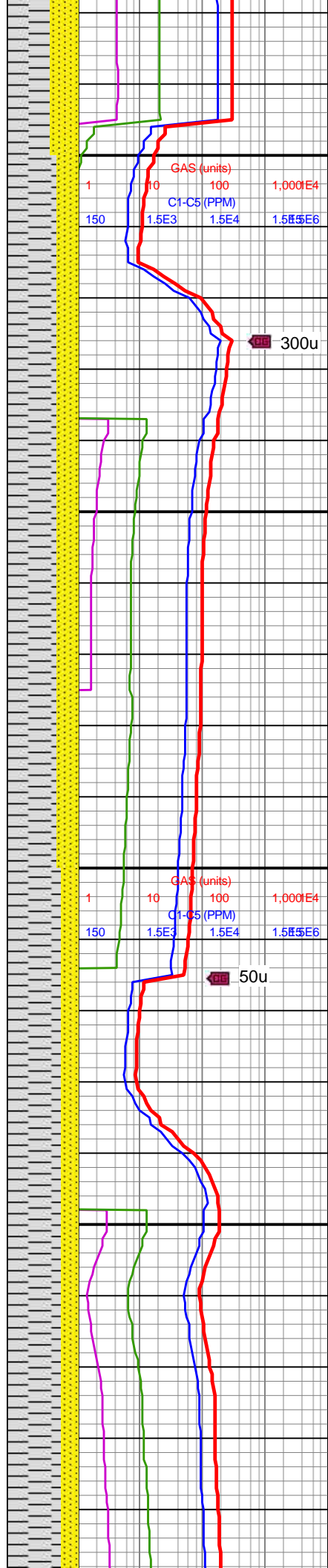
WOB: 34
RPM: 80
SPM: 189
SPP: 3,231

MW IN: 9.7
VIS IN: 46
MW OUT: 9.7+
VIS OUT: 45

MD: 6,674'
Incl: 13.61°
Azim: 294.89°
TVD: 6,513.81'
VS: -699.84'

MD: 6,763'
Incl: 13.56°
Azim: 295.18°
TVD: 6,600.32'
VS: -708.69'

WOB: 28

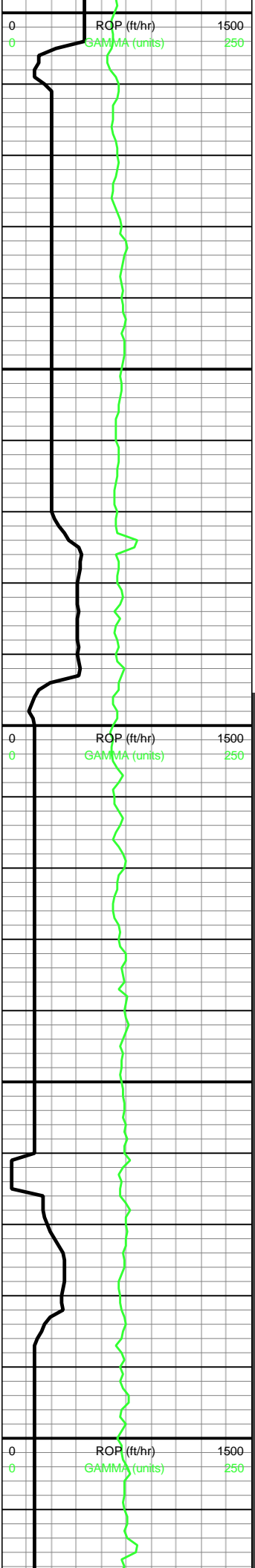


6500-6600 60% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, suc, p-mod fiss;
40% SS: lt-med gy, occ
wht-med gy, hd-frm,
rnd-sb rnd grns in silc
mtx, tr slt mtx, w srt, vf gr,
wk calc

6600-6700 70% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrsv, p-mod fiss; 30%
SS: lt gy, occ wht-med gy,
hd-frm, rnd-sb rnd grns
in silc mtx, tr slt mtx, w
srt, vf gr, calc

6700-6800 75% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty





RPM: 80
SPM: 189
SPP: 3,142

MD: 6,852'
Incl: 14.07°
Azim: 294.68°
TVD: 6,686.75'
VS: -717.64'

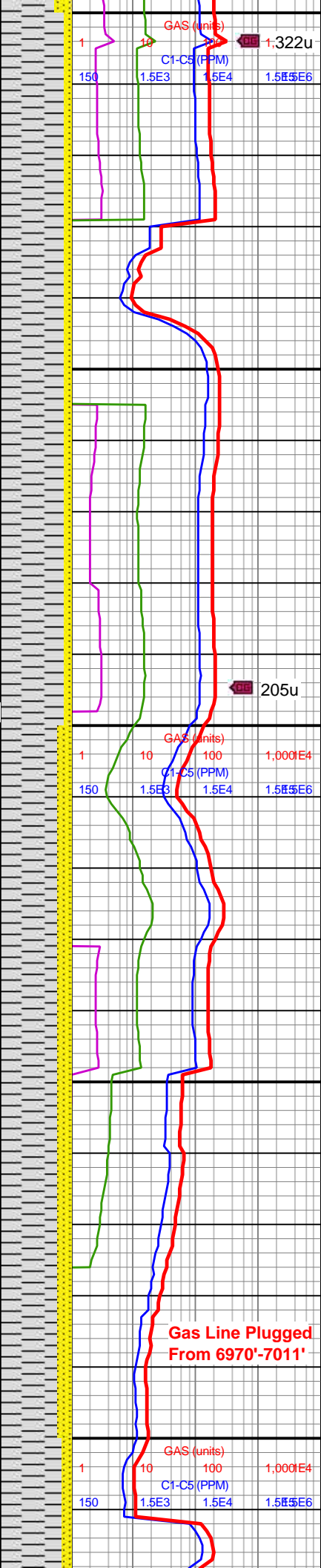
MW IN: 9.8
VIS IN: 46
MW OUT: 9.7+
VIS OUT: 43

MM

~KOP
6,960'MD/6,791'TVD

MD: 6,941'
Incl: 14.15°
Azim: 293.57°
TVD: 6,773.06'
VS: -726.51'

WOB: 12
RPM: 30
SPM: 190
SPP: 2,456

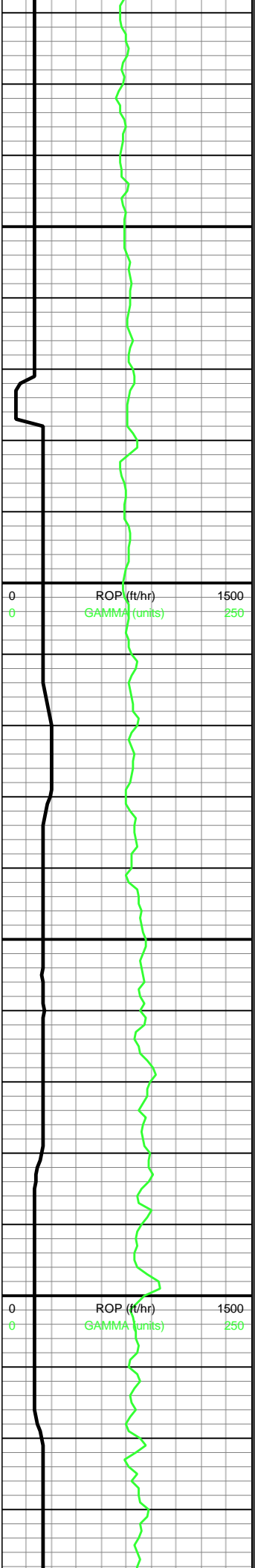


p-mod fiss; 25% SS:
lt-med gy, occ wht-med
gy, hd frm, rnd-sb rnd
grns in silc mt, tr slt mt, w
srt, vf gr, calc

6800-6900 90% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, slty-sl
abrv, p-mod fiss; 10%
SS: lt-med gy, occ
wht-med gy, hd frm,
rnd-sb rnd grns in silc
mtx, tr slt mt, w srt, vf gr,
calc

6900-7000 80% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, v slty,
p-mod fiss; 20% SS:
lt-med gy, med gy,
hd frm, rnd-sb rnd grns
in silc mt, tr slt mt, w
srt, vf gr, calc





7,020
7,030
7,040
7,050
7,060
7,070
7,080
7,090
7,100
7,110
7,120
7,130
7,140
7,150
7,160
7,170
7,180
7,190
7,200
7,210
7,220
7,230

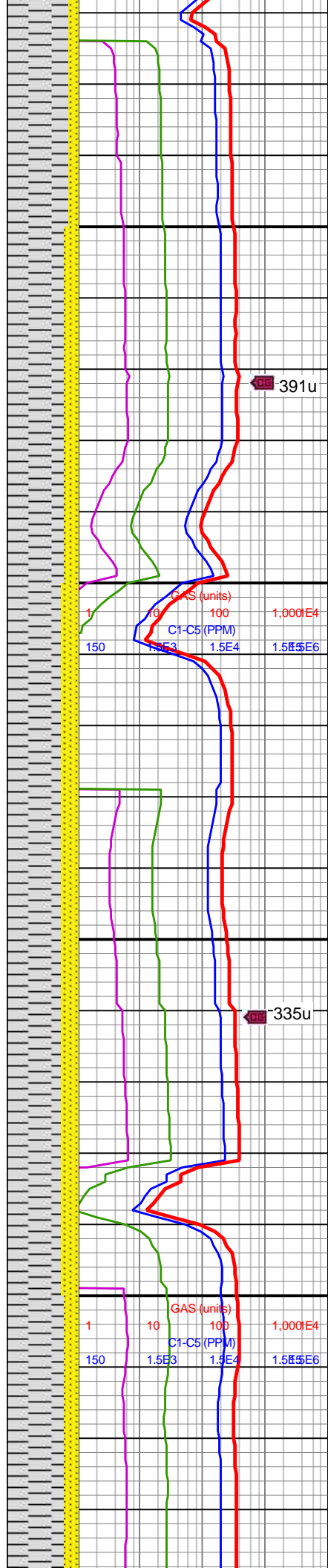
MD: 7,030'
Incl: 13.06°
Azim: 257.19°
TVD: 6,859.72'
VS: -728.63'

MD: 7,119'
Incl: 14.4°
Azim: 233.52°
TVD: 6,946.24'
VS: -719.82'

WOB: 8
RPM: 30
SPM: 190
SPP: 2,732

MD: 7,208'
Incl: 20.2°
Azim: 222.88°
TVD: 7,031.2'
VS: -701.96'

MW IN: 9.8
VIS IN: 47
MW OUT: 9.8
VIS OUT: 46



7000-7050 85% SLTY
SH: med gy-dk gy, sb
ang-tab, frm-hrd, v slty,
p-mod fiss; 15% SS:
lt-med gy, med gy, frm-sl
hd, sb rd-sb ang grns in
silc mtx, w srt, vf gr, calc

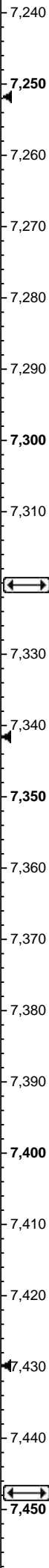
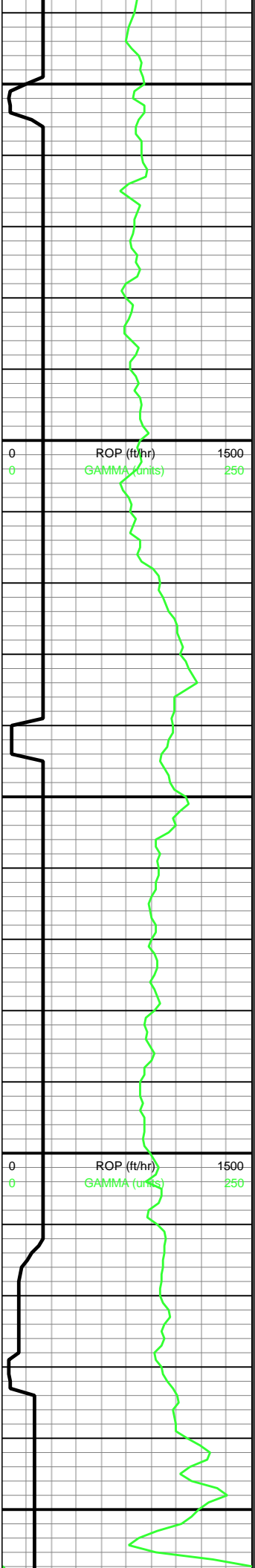
7050-7100 80% SLTY
SH: med gy-dk gy, sb
blky-sb plty, frm-hrd, v
slty, p-mod fiss; 20% SS:
lt-med gy, med gy, frm-sl
hd, sb rd-sb ang grns in
silc mtx, w srt, vf gr, calc

7100-7150 75% SLTY
SH: med gy-dk gy, sb
blky-sb plty, frm-hrd, v
slty, p-mod fiss; 25% SS:
lt-med gy, sme dk gy ip,
frm-sl hd, sb rd-sb ang
grns in silc mtx, w srt, vf
gr, calc

7150-7200 75% SLTY
SH: med gy-dk gy, sb
blky-sb plty, frm-hrd, v
slty, p-mod fiss; 25% SS:
lt-med gy, frm-sl hd, sb
rd-sb ang grns in silc
mtx, w srt, vf gr, f gr ip,
calc

7200-7250 80% SLTY
SH: med gy-dk gy, sb





MD: 7,297'
Incl: 25.32°
Azim: 211.18°
TVD: 7,113.28'
VS: -674.39'

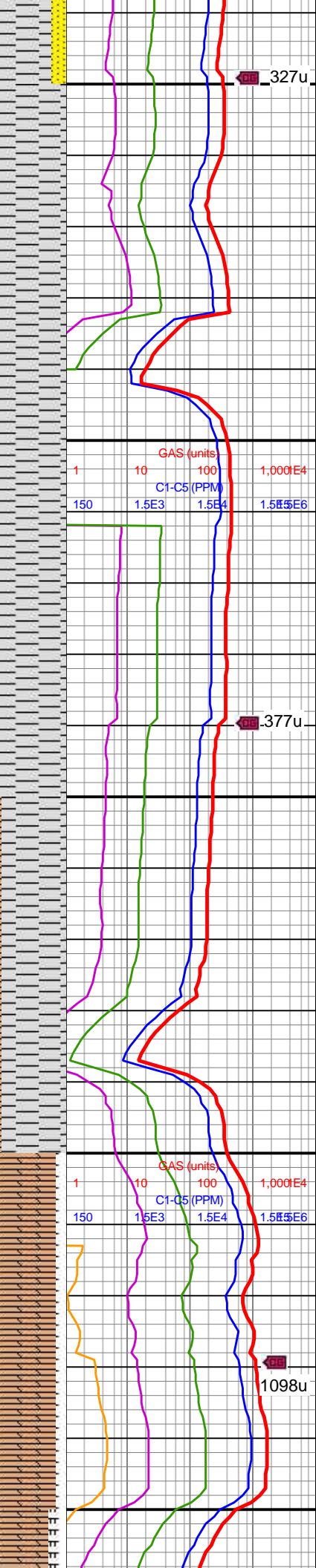
Sharon Springs
7,320'MD/7,134'TVD

MD: 7,386'
Incl: 29.49°
Azim: 196.46°
TVD: 7,192.37'
VS: -637.04'

WOB: 12
RPM: 30
SPM: 184
SPP: 2,614

MW IN: 9.8
VIS IN: 48
MW OUT: 9.8
VIS OUT: 45

Nio A Chalk
7,448'MD/7,245'TVD



blky-sb plty, frm-sl hrd, slty, mod fiss; 20% SS: lt-med gy, frm-sl hd, sb rd-sb ang grns in silc mtz, w srt, vf gr, calc

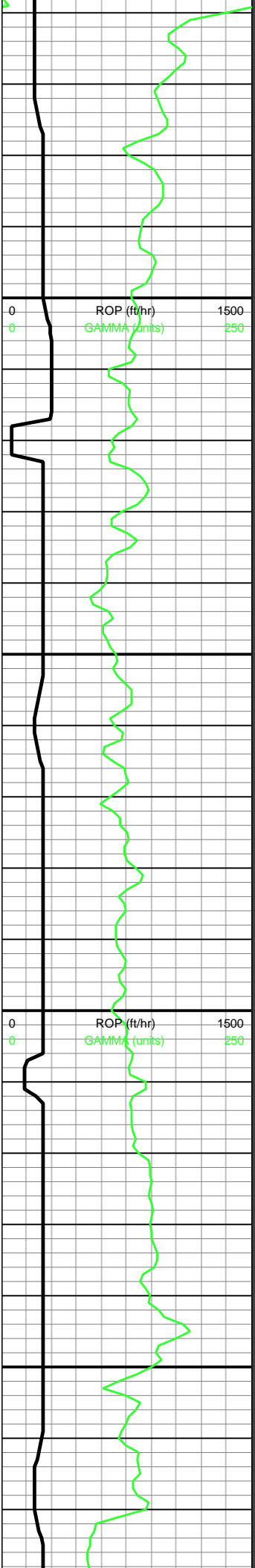
7250-7300 100% SLTY
SH: med gy-dk gy, sb blky-sb plty, frm-sl hrd, slty, mod fiss; tr SS

7300-7350 100% SLTY
SH: med gy-dk gy, tr blk, sb blky-sb plty, blky ip, frm-sl hrd, slty, mod fiss

7350-7400 85% SLTY
SH: med gy-dk gy, tr blk, sb blky-sb plty, blky ip, frm-sl hrd, slty, mod fiss; 15% CHK: Lt-med gy, sb blky-blky, sft-frm, amor, v calc, occ free chk

7400-7450 85% CHK:
Lt-med gy, amor, sb blky-blky, sft-frm, v calc, tr free chk; 15% MRLST: Dk gy-blk, sl hd-hd, sb blky-sb plty, rthy, amor, mod calc, tr chk incl ip





7,460
7,470
7,480
7,490
7,500
7,510
7,520
7,530
7,540
7,550
7,560
7,570
7,580
7,590
7,600
7,610
7,620
7,630
7,640
7,650
7,660
7,670

MD: 7,476'
Incl: 38.05°
Azim: 193.45°
TVD: 7,267.12'
VS: -588.73'

Nio B Chalk
7,531'MD/7,309'TVD

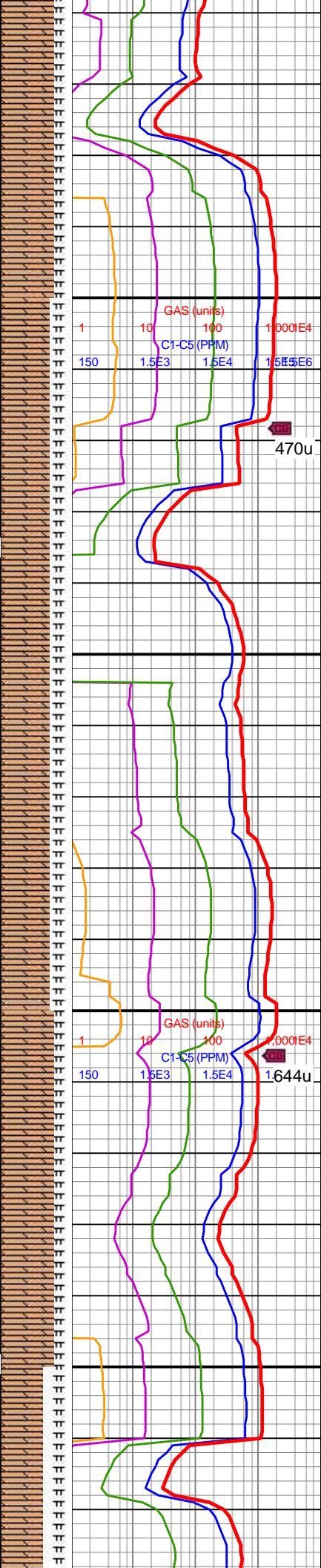
MD: 7,565'
Incl: 45.43°
Azim: 193.6°
TVD: 7,333.48'
VS: -531.16'

WOB: 13
RPM: 30
SPM: 190
SPP: 2,895

MW IN: 10
VIS IN: 48
MW OUT: 9.8
VIS OUT: 46

Nio C Chalk
7,647'MD/7,388'TVD

MD: 7,654'
Incl: 51.96°
Azim: 193.08°
TVD: 7,392.19'
VS: -466.14'



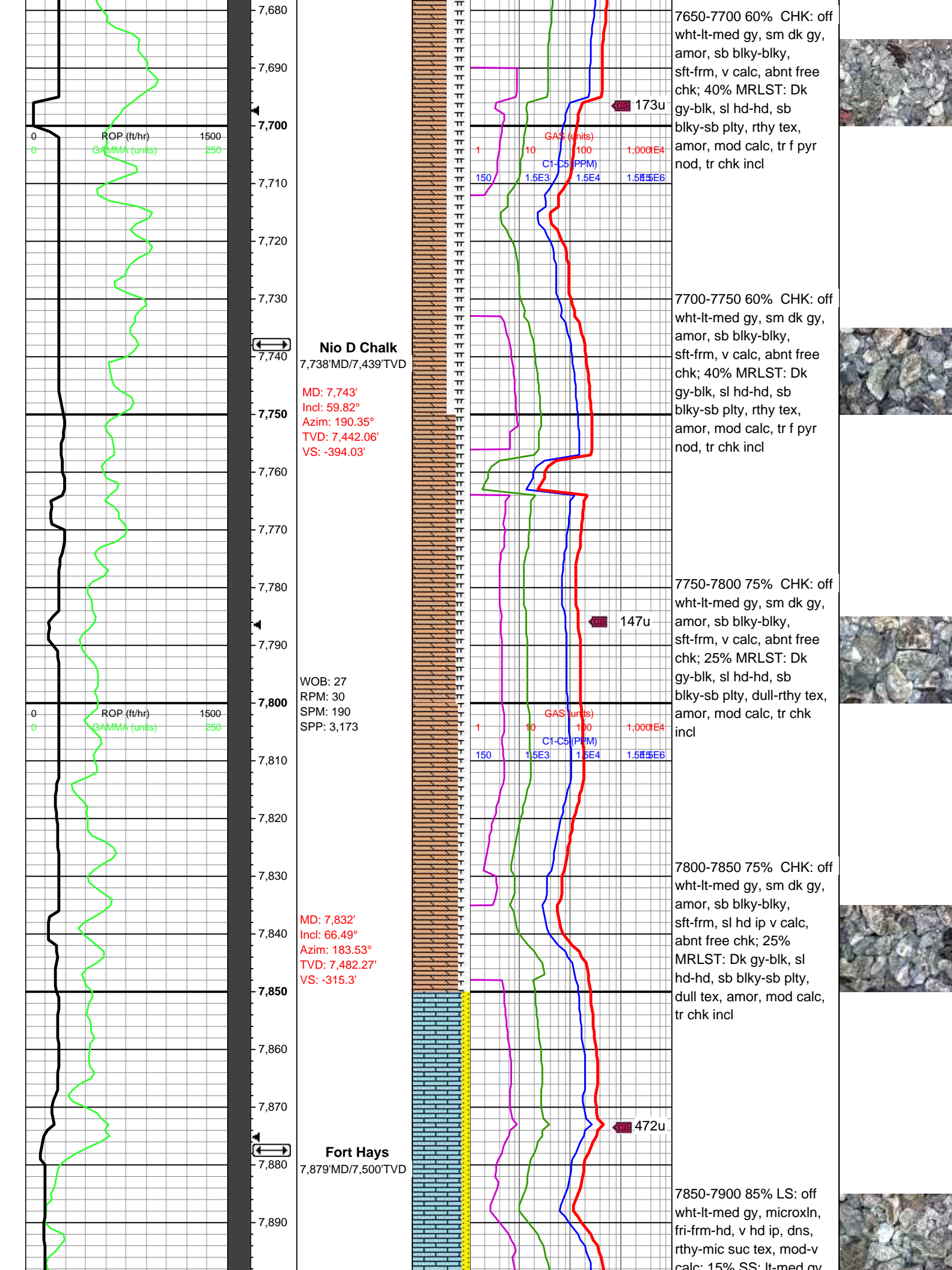
7450-7500 75% CHK:
Lt-med gy, sm dk gy,
amor, sb blkly-blky,
sft frm, v calc, tr free chk;
25% MRLST: Dk gy-blk,
sl hd-hd, sb blkly-sb plty,
rthy, amor, mod calc, tr
pyr nod, tr chk incl ip

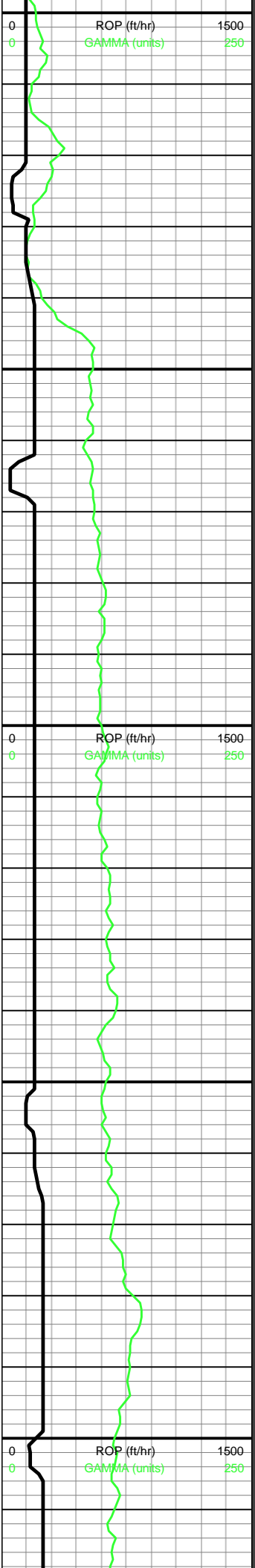
7500-7550 70% CHK:
Lt-med gy, sm dk gy,
amor, sb blkly-blky,
sft frm, v calc, tr free chk;
30% MRLST: Dk gy-blk,
sl hd-hd, sb blkly-sb plty,
rthy, amor, mod calc, tr
chk incl

7550-7600 70% CHK:
Lt-med gy, sm dk gy,
amor, sb blkly-blky,
sft frm, v calc, abnt free
chk; 30% MRLST: Dk
gy-blk, sl hd-hd, sb
blkly-sb plty, dull-rthy tex,
amor, mod calc, tr chk
incl

7600-7650 75% CHK:
Lt-med gy, sm dk gy,
amor, sb blkly-blky,
sft frm, v calc, abnt free
chk; 25% MRLST: Dk
gy-blk, sl hd-hd, sb
blkly-sb plty, dull-rthy tex,
amor, mod calc, tr f pyr, tr
chk incl







MW IN: 10
VIS IN: 47
MW OUT: 10
VIS OUT: 45

MD: 7,921'
Incl: 72.88°
Azim: 180.96°
TVD: 7,513.15'
VS: -231.95'

Codell
7,945'MD/7,518'TVD

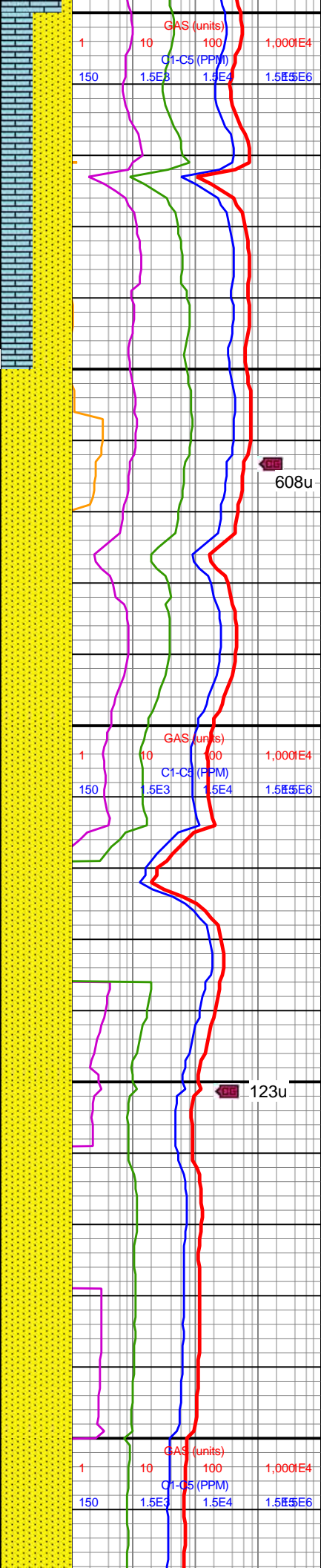
WOB: 12
RPM: 30
SPM: 190
SPP: 2,916

MD: 8,010'
Incl: 79.35°
Azim: 181.55°
TVD: 7,534.5'
VS: -145.61'

MINDEPTH 3/28/2020

MW IN: 10
VIS IN: 46
MW OUT: 10
VIS OUT: 46

MD: 8,099'
Incl: 86.04°
Azim: 182.27°
TVD: 7,545.81'
VS: -57.44'



calc, 10% SS: lt-med gy, vf gr, frm-sl hd, sb rnd-sb ang, sdy-rthy tex, v w srt, calc cmt

7900-7950 55% SS: lt-med gy, vf gr, frm-sl hd, sb rnd-sb ang, sdy-rthy tex, v w srt, calc cmt; 45% LS: off wht-lt-med gy, microxln, fri-frm-hd, dns, rthy-mic suc tex, mod-v calc

608u

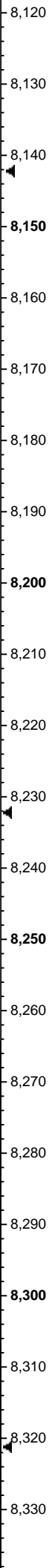
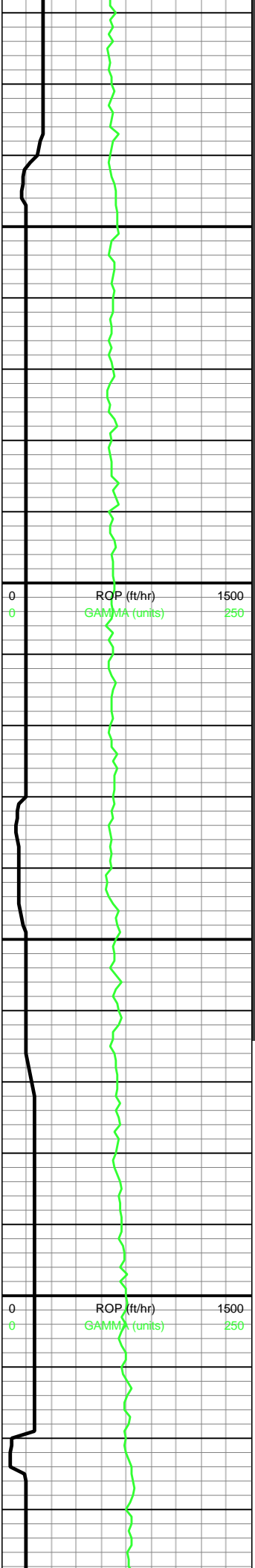
7950-8000 100% SS: off wht-lt-med gy, vf gr, sme f gr, frm-sl hd, sb rnd-sb ang, sdy-rthy tex, v w srt, calc cmt

8000-8050 100% SS: off wht-lt-med gy, vf gr, sme f gr, frm-sl hd, sb rnd-sb ang, sdy-rthy tex, v w srt, calc cmt

123u

8050-8100 100% SS: off wht-lt-med gy, vf-f gr, frm-sl hd, sb rnd-sb ang, sdy-rthy tex, w-v w srt, calc cmt





MW IN: 10.1
VIS IN: 46
MW OUT: 10.1
VIS OUT: 46

Curve Landing
8,164'MD/7548'TVD

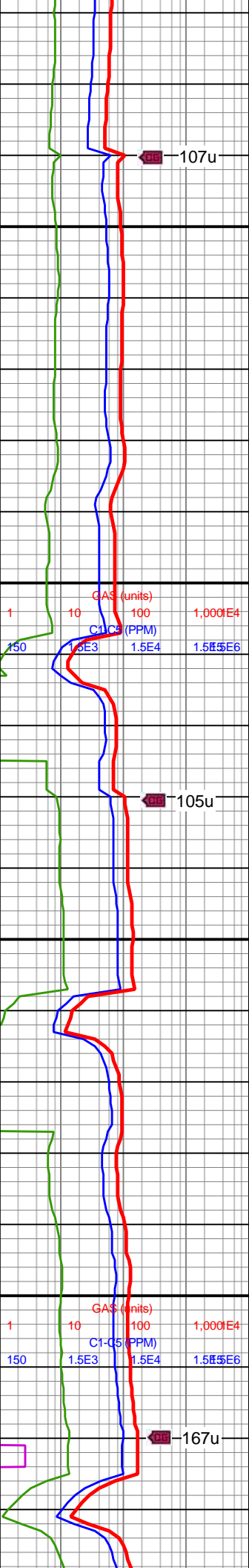
MD: 8,189'
Incl: 89.49°
Azim: 181.68°
TVD: 7,549.32'
VS: 32.43'

WOB: 18
RPM: 30
SPM: 189
SPP: 2,918

MW IN: 10
VIS IN: 45
MW OUT: 10
VIS OUT: 45

MD: 8,278'
Incl: 89.54°
Azim: 180.33°
TVD: 7,550.07'
VS: 121.41'

ROP (ft/hr) and GAMMA (units) logs. The ROP scale ranges from 0 to 1500 ft/hr, and the GAMMA scale ranges from 0 to 250 units. The logs show fluctuations in ROP and GAMMA values across the depth profile.

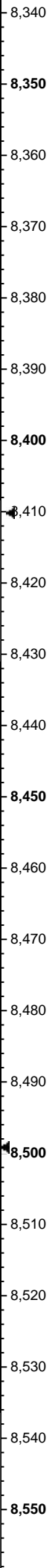
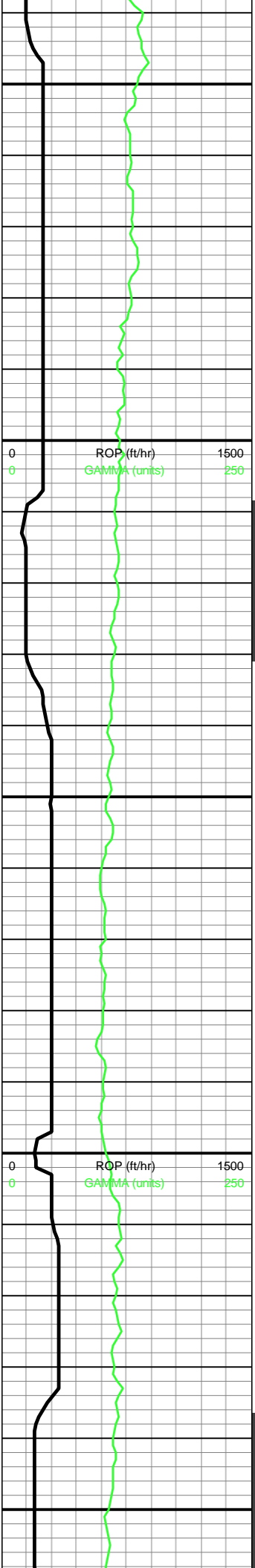


8100-8150 100% SS: off
wht-lt-med gy, vf-f gr,
frm-sl hd, sb rnd-sb ang,
sdy-rthy tex, w-v w srt,
calc cmt

8150-8200 100% SS: off
wht-lt-med gy, vf-f gr,
frm-sl hd, sb rnd-sb ang,
sdy-rthy tex, w-v w srt,
calc cmt

8200-8300 100% SS:
lt-med gy, vf gr, frm-sl hd,
hd ip, sb rnd-sb ang,
sdy-rthy tex, w-v w srt,
calc cmt





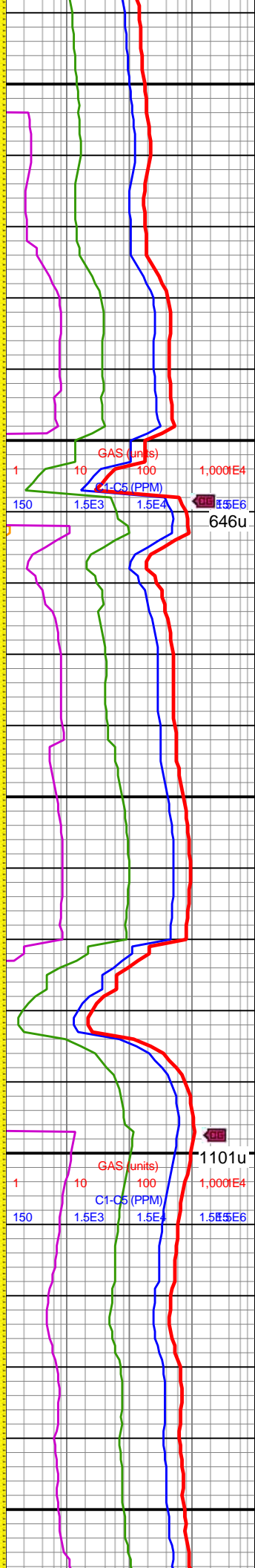
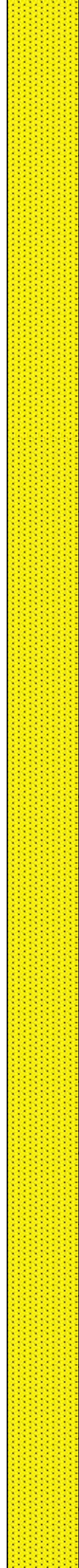
MD: 8,367'
Incl: 90.54°
Azim: 180.03°
TVD: 7,550.01'
VS: 210.41'

WOB: 17
RPM: 120
SPM: 190
SPP: 3,006

MW IN: 10
VIS IN: 45
MW OUT: 10
VIS OUT: 45

MD: 8,456'
Incl: 90.54°
Azim: 179.18°
TVD: 7,549.18'
VS: 299.4'

MD: 8,545'
Incl: 90.83°
Azim: 178.8°
TVD: 7,548.11'
VS: 388.38'

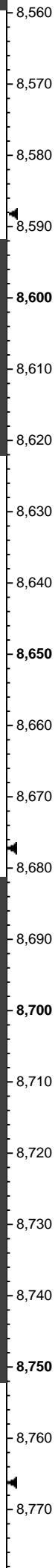
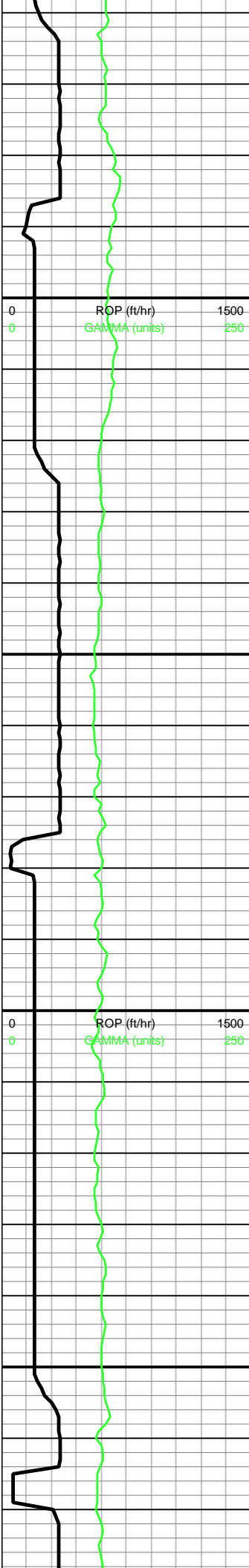


8300-8400 100% SS:
med-dk gy, vf gr, sl hd-hd,
sb rnd-sb ang, sdy-rthy
tex, v w srt, calc cmt, slty



8400-8500 100% SS:
lt-med gy, vf-f gr, frm-sl
hd, sb rnd-sb ang,
sdy-rthy tex, w-v w srt,
calc cmt, sl slty ip





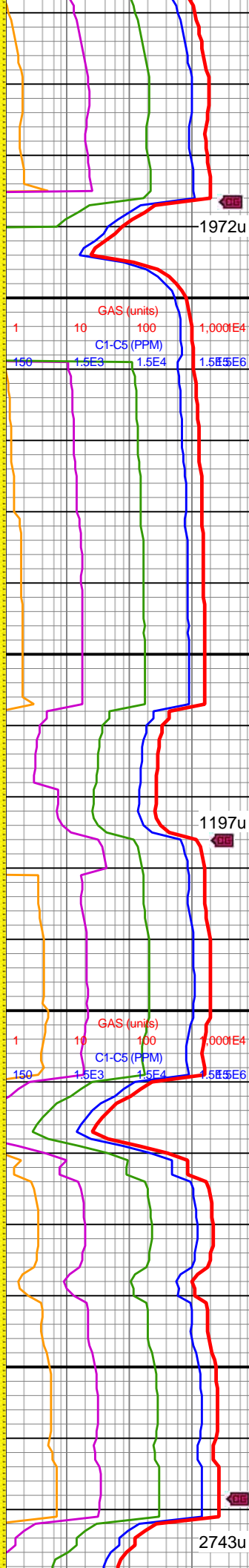
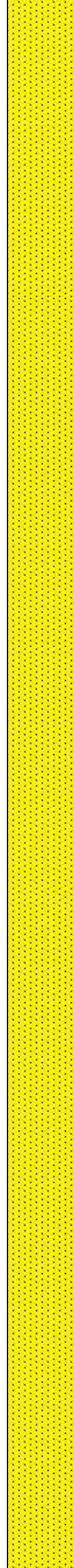
WOB: 13
RPM: 60
SPM: 174
SPP: 2,776

On Gas Buster

MD: 8,634'
Incl: 90.76°
Azim: 179.55°
TVD: 7,546.87'
VS: 477.36'

MW IN: 10.2
VIS IN: 46
MW OUT: 10.1
VIS OUT: 45

MD: 8,723'
Incl: 90.74°
Azim: 179.2°
TVD: 7,545.71'
VS: 566.35'



8500-8600 100% SS:
lt-med gy, vf-f gr, frm-sl
hd, sb rnd-sb ang,
sdy-rthy tex, w-v w srt,
calc cmt

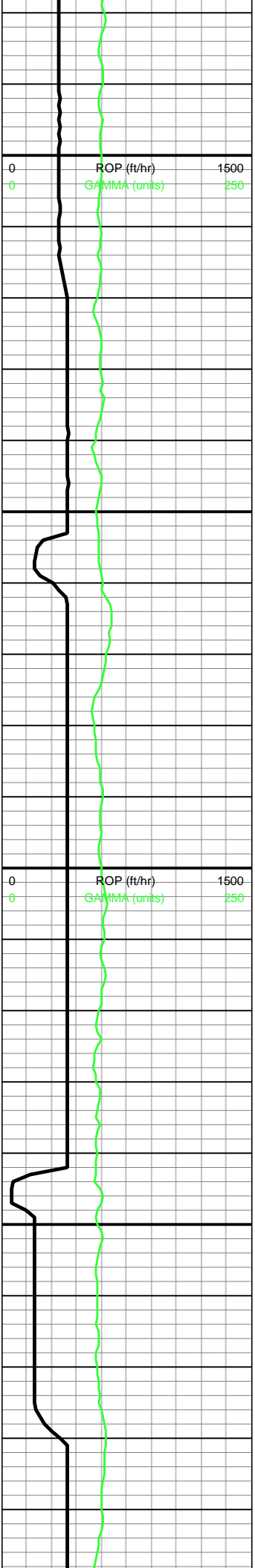
8600-8700 100% SS:
lt-med gy, sme off wht vf-f
gr, frm-sl hd, sb rnd-sb
ang, sdy-rthy tex, w-v w
srt, calc cmt



1972u

1197u

2743u



WOB: 20
RPM: 91
SPM: 187
SPP: 3,040

MD: 8,812'
Incl: 90.86°
Azim: 179.84°
TVD: 7,544.47'
VS: 655.34'

BP

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 45

MD: 8,901'
Incl: 91.04°
Azim: 179.97°
TVD: 7,543'
VS: 744.33'

MD: 8,990'
Incl: 90.65°
Azim: 180.72°
TVD: 7,541.68'
VS: 833.31'

WOB: 22

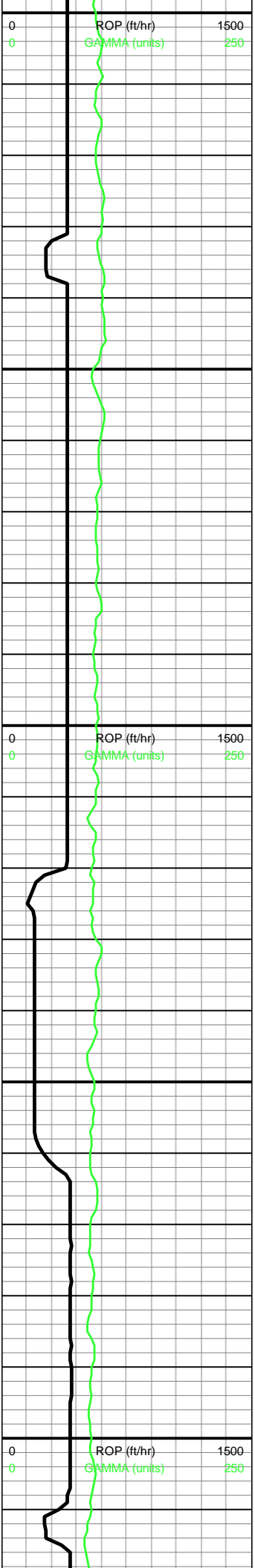


8700-8800 100% SS:
gyshbn-lt brn, mot med
brn, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srted, grn
sup, silc cmt, tr pp mic
pyr nod, sme med gy-dk
gy gr sup ss clus, calc
cmt

8800-8900 100% SS:
gyshbn-lt brn, vf-f gr, sb
ang-sb rd, sb frm-frm, w v
srted, grn sup, silc cmt,
sme med gy-dk gy gr sup
ss clus, calc cmt

8900-9000 100% SS:
gyshbn-lt brn, vf-f gr, sb
ang-sb rd, sb frm-frm,
w-w v srted, grn sup, silc





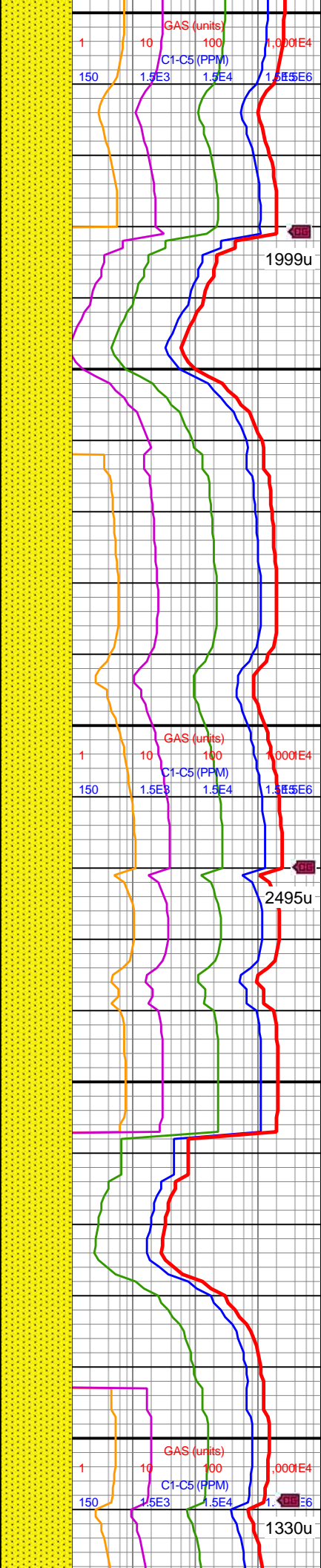
RPM: 101
SPM: 192
SPP: 3,218

MD: 9,079'
Incl: 90.9°
Azim: 181°
TVD: 7,540.48'
VS: 922.29'

MW IN: 10.2
VIS IN: 46
MW OUT: 10.2
VIS OUT: 44

MD: 9,168'
Incl: 90.92°
Azim: 181.54°
TVD: 7,539.07'
VS: 1,011.26'

WOB: 27
RPM: 90
SPM: 192
SPP: 3,328

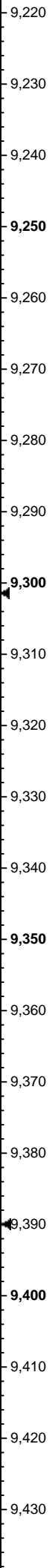
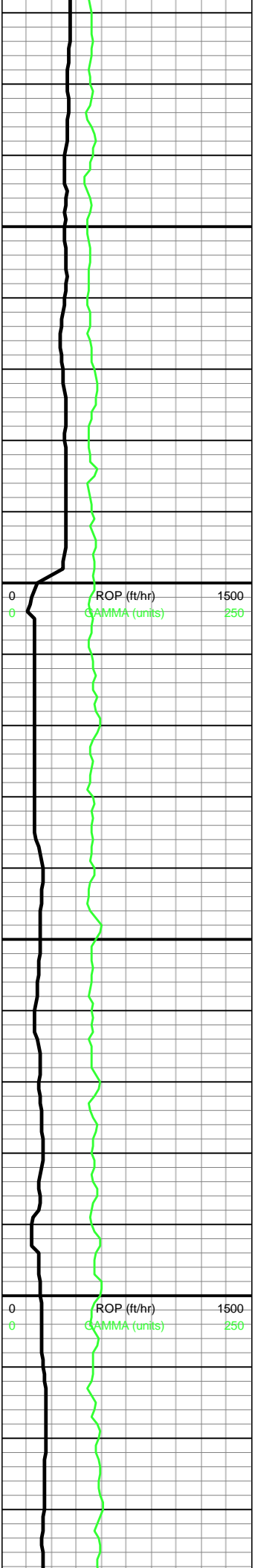


cmt, sme med gy-dk gy
gr sup ss clus, calc cmt

9000-9100 100% SS:
gyshbn-lt brn, mot med
brn, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srted, grn
sup, silc cmt, sme med
gy-dk gy gr sup ss clus,
calc cmt

9100-9200 100% SS:
gyshbn-lt brn, mot med
brn, vf-f gr, sb ang-sb rd,
sb frm-frm, w-v w srted,
grn sup, silc cmt, sme
med gy-dk gy gr sup ss
clus, calc cmt





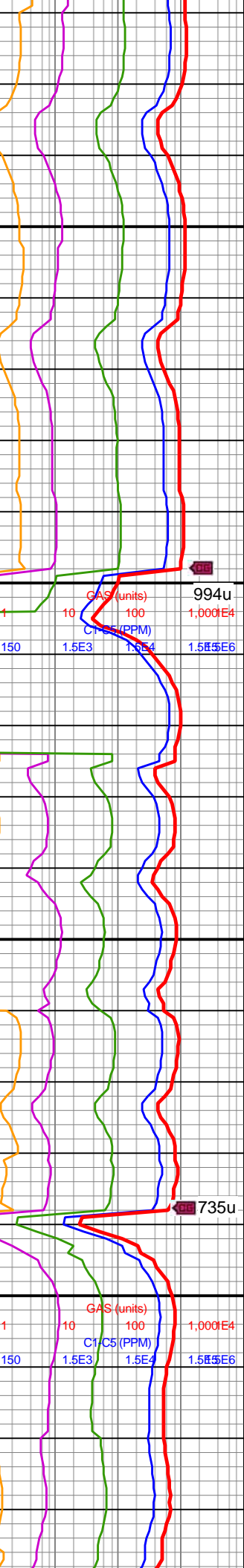
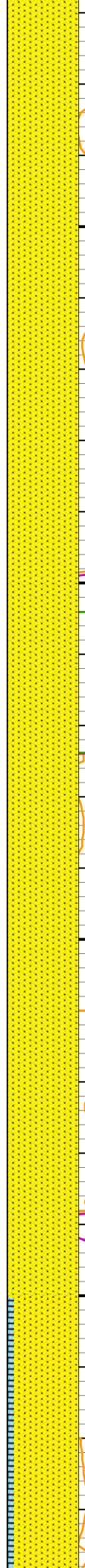
MD: 9,257'
Incl: 90.82°
Azim: 180.93°
TVD: 7,537.72'
VS: 1,100.23'

MD: 9,346'
Incl: 90.59°
Azim: 181.02°
TVD: 7,536.62'
VS: 1,189.21'

MW IN: 10.2
VIS IN: 46
MW OUT: 10.2
VIS OUT: 43

WOB: 44
RPM: 80
SPM: 192
SPP: 3,347

MD: 9,435'
Incl: 90.27°
Azim: 181.2°
TVD: 7,535.96'

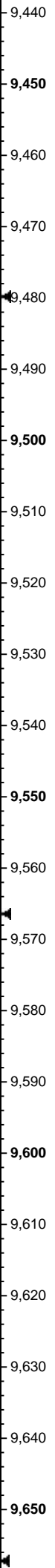
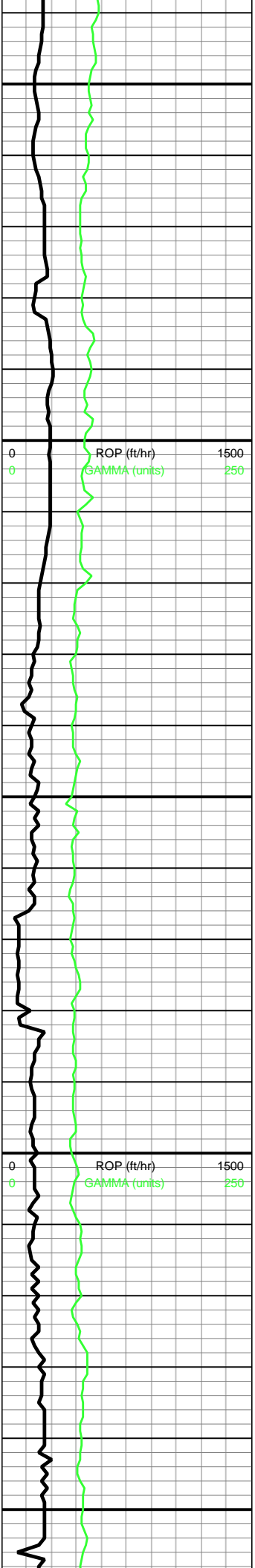


9200-9300 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srted, grn
sup, silc cmt, sme med
gy-dk gy gr sup ss clus,
calc cmt mtx



9300-9400 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srted, grn
sup, sme med gy-dk gy
gr sup ss clus, calc cmt
mtx





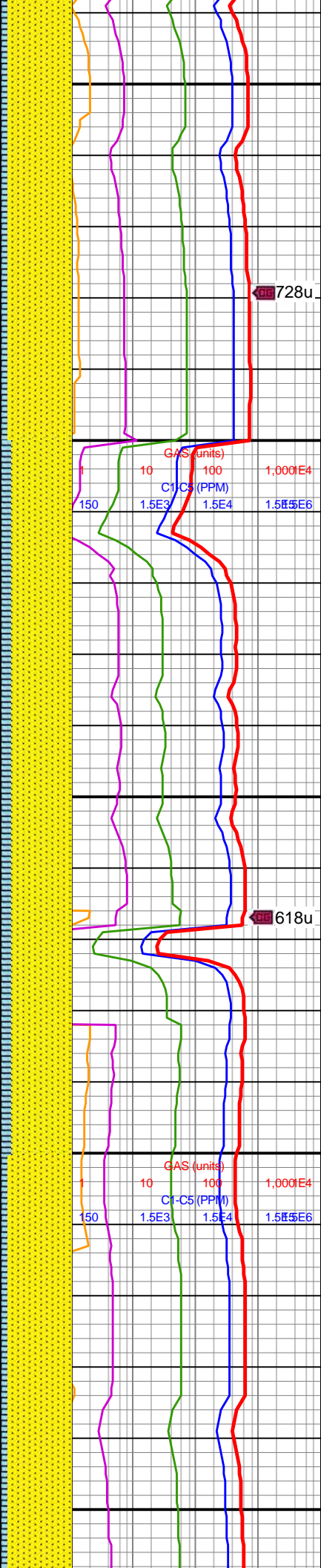
VS: 1,278.19'

MD: 9,524'
Incl: 90.19°
Azim: 181.45°
TVD: 7,535.6'
VS: 1,367.17'

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 44

WOB: 34
RPM: 90
SPM: 192
SPP: 3,286

MD: 9,614'
Incl: 89.71°
Azim: 182.08°
TVD: 7,535.68'
VS: 1,457.12'

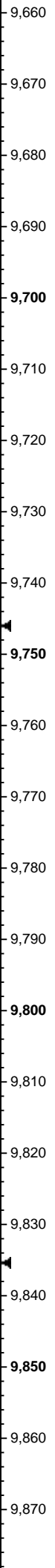
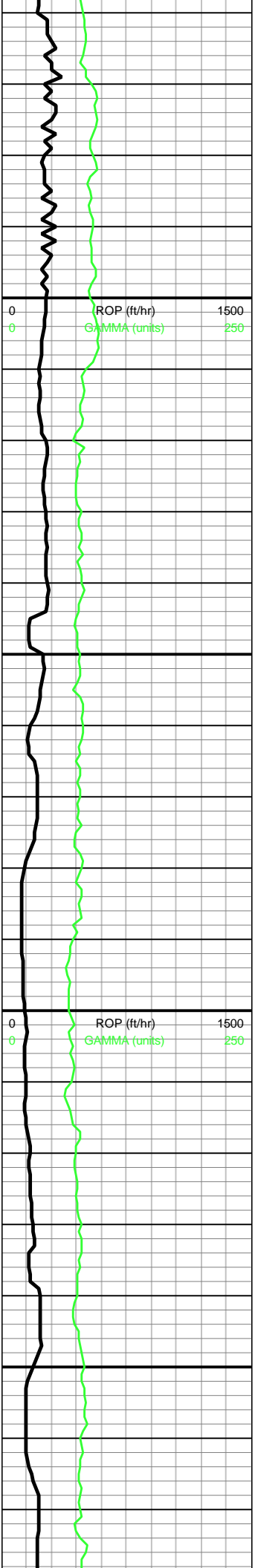


9400-9500 90% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, sdy-rthy
tex, v w srt, calc cmt; 10%
LS: offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns, rthy-mic suc tex,
mod-v calc



9500-9600 85% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, sdy-rthy
tex, v w srt, calc cmt; 15%
LS: offwht-lt-med gy,
microxln, fri-frm-hd, v hd,
rthy-mic suc tex, mod-v
calc





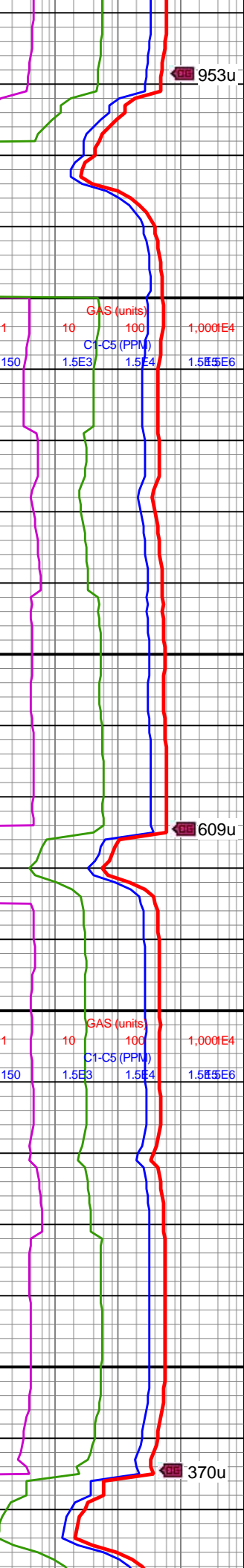
MD: 9,703'
Incl: 90.36°
Azim: 181.09°
TVD: 7,535.63'
VS: 1,546.09'

MD: 9,792'
Incl: 89.46°
Azim: 182.22°
TVD: 7,535.77'
VS: 1,635.05'

WOB: 34
RPM: 120
SPM: 192
SPP: 3,199

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 44

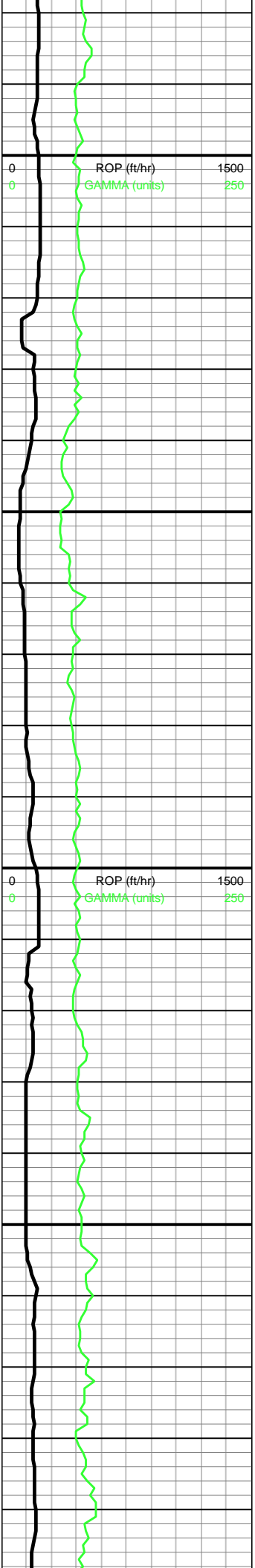
MD: 9,881'



9600-9700 90% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, sdy-rthy
tex, v w srt, calc cmt; 10%
LS: offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns, rthy-mic suc tex,
mod-v calc

9700-9800 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srt, grn
sup, silc cmt, sme med
gy-dk gy gr sup ss clus,
calc cmt mtx, tr LMST





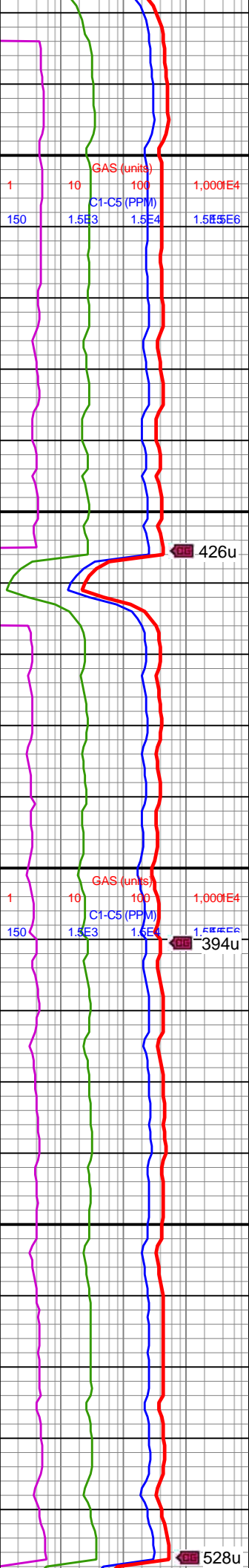
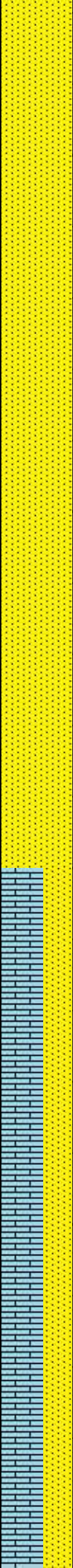
Incl: 89.34°
Azim: 181°
TVD: 7,536.7'
VS: 1,724.01'

MD: 9,970'
Incl: 88.89°
Azim: 181.27°
TVD: 7,538.08'
VS: 1,812.98'

WOB: 10.1+
RPM: 45
SPM: 10.2
SPP: 43

MW IN: 35
VIS IN: 81
MW OUT: 192
VIS OUT: 3,277

MD: 10,059'
Incl: 89.18°
Azim: 180.74°
TVD: 7,539.57'
VS: 1,901.95'

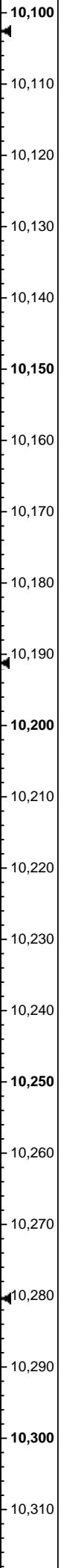
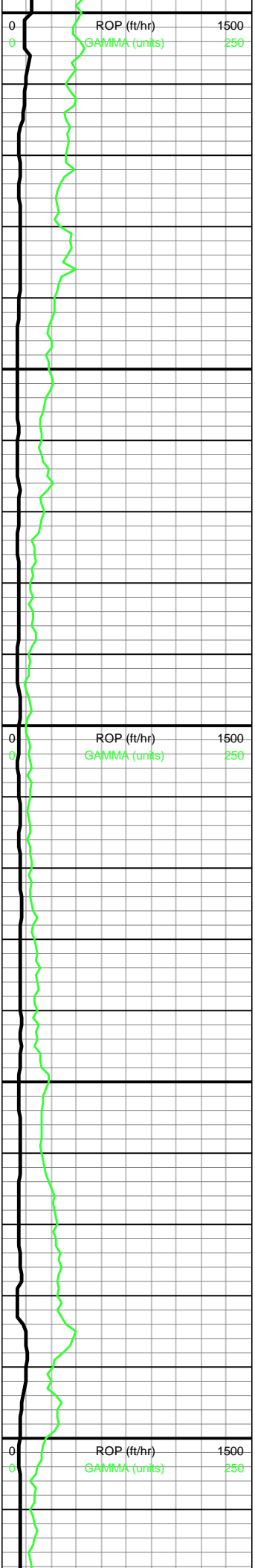


9800-9900 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w-v w srted,
grn sup, silc cmt, sme
med gy-dk gy gr sup ss
clus, calc cmt mtx, tr
LMST

9900-10000 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, v w srted, grn
sup, silc cmt, sme med
gy-dk gy gr sup ss clus,
calc cmt mtx, tr LMST

10000-10100 60% LS:
offwht-lt-med gy,
microxln, fri-frm-hd, v hd
jp. dns. rthv-mic suc tex.





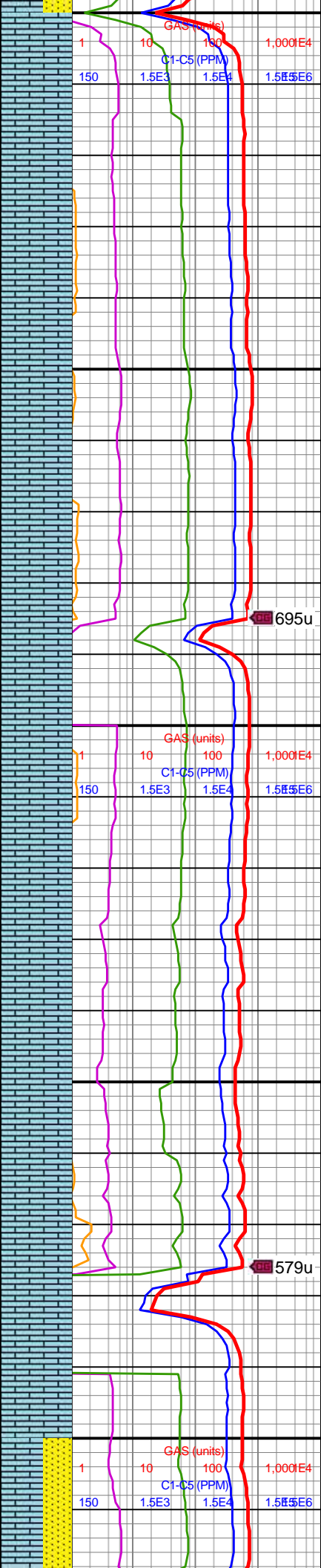
MD: 10,148'
Incl: 89.56°
Azim: 180.26°
TVD: 7,540.55'
VS: 1,990.94'

MW IN: 35
VIS IN: 60
MW OUT: 192
VIS OUT: 430

WOB: 10.2
RPM: 45
SPM: 10.1+
SPP: 44

MD: 10,237'
Incl: 89.33°
Azim: 179.47°
TVD: 7,541.41'
VS: 2,079.94'

WOB: 10.2
RPM: 45
SPM: 10.2
SPP: 43

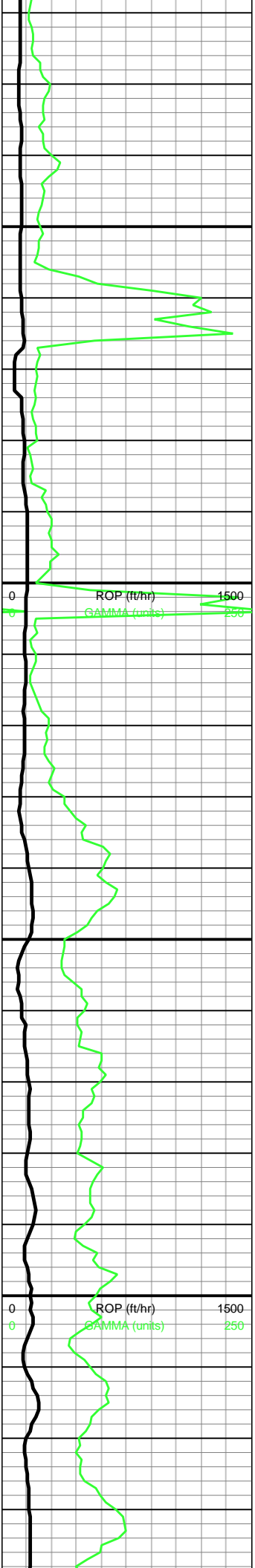


mod-v calc; 40% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, sdy-rthy
tex, v w srt, calc cmt

10100-10200 100% LS:
offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns, rthy-mic suc tex,
mod-v calc

10200-10300 100% LS:
offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns ip, rthy-mic, suc
tex, mod-v calc





MD: 10,326'
Incl: 89.43°
Azim: 179.87°
TVD: 7,542.37'
VS: 2,168.93'

MW IN: 37
VIS IN: 80
MW OUT: 190
VIS OUT: 3,017

WOB: 10.2+
RPM: 45
SPM: 10.2
SPP: 44

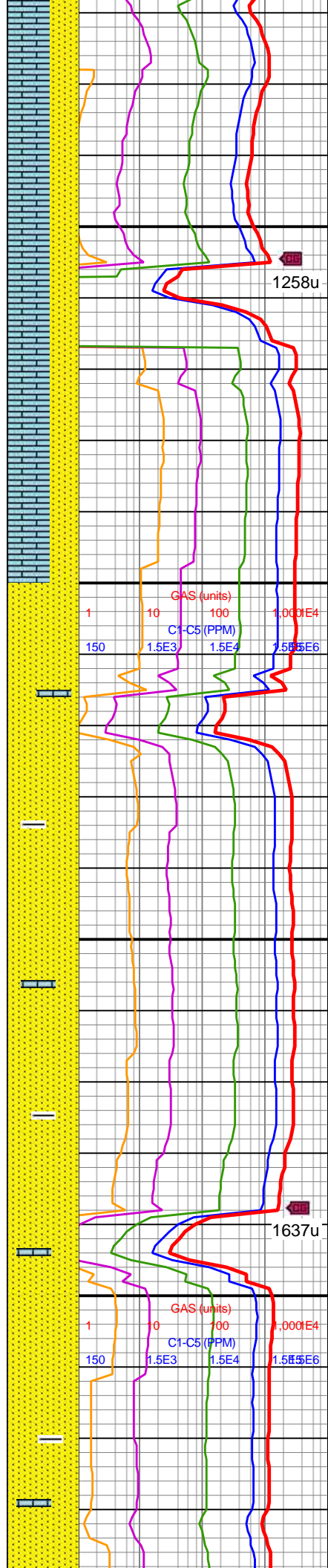
WOB: 36
RPM: 80
SPM: 190
SPP: 3,020

MD: 10,415'
Incl: 89.35°
Azim: 180.13°
TVD: 7,543.32'
VS: 2,257.92'

MW IN: 10.2+
VIS IN: 45
MW OUT: 10.2+
VIS OUT: 43

MD: 10,504'
Incl: 89.39°
Azim: 180.31°
TVD: 7,544.3'
VS: 2,346.92'

MM

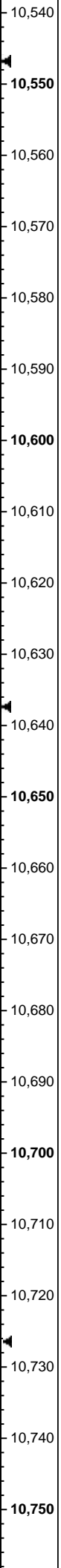
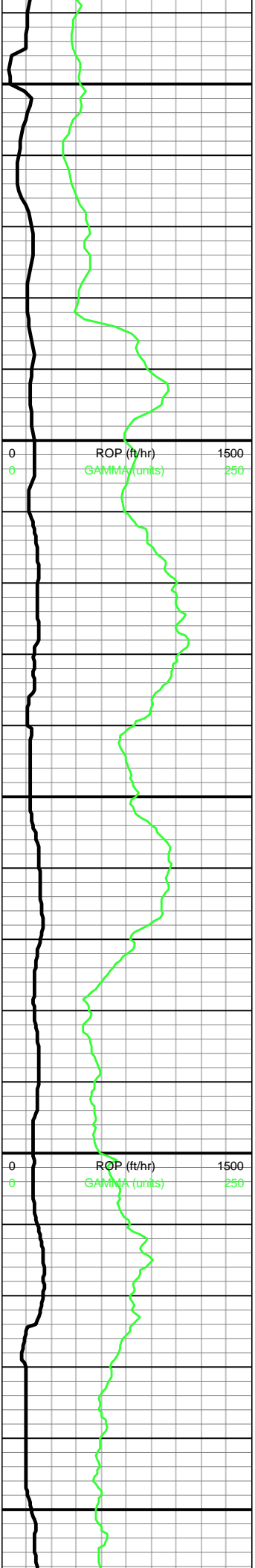


10300-10400 60% LS:
offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns, rthy-mic suc tex,
mod-v calc; 40% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc cmt



10400-10500 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srt, grn
sup, silc cmt, sme med
gy-dk gy gr sup ss clus,
calc cmt mtx, tr GY SH, tr
LMST



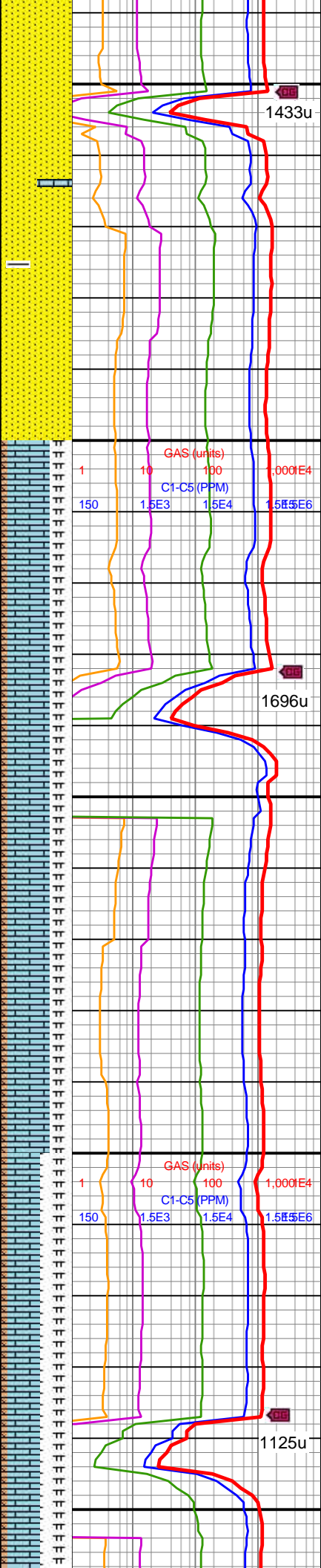


MD: 10,593'
Incl: 89.39°
Azim: 180.75°
TVD: 7,545.24'
VS: 2,435.91'

WOB: 33
RPM: 60
SPM: 190
SPP: 3,197

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2+
VIS OUT: 43

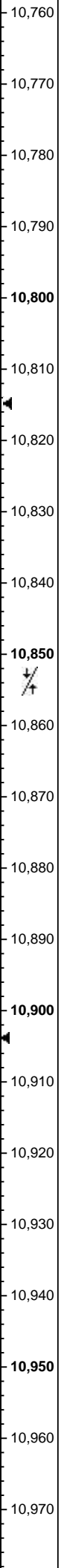
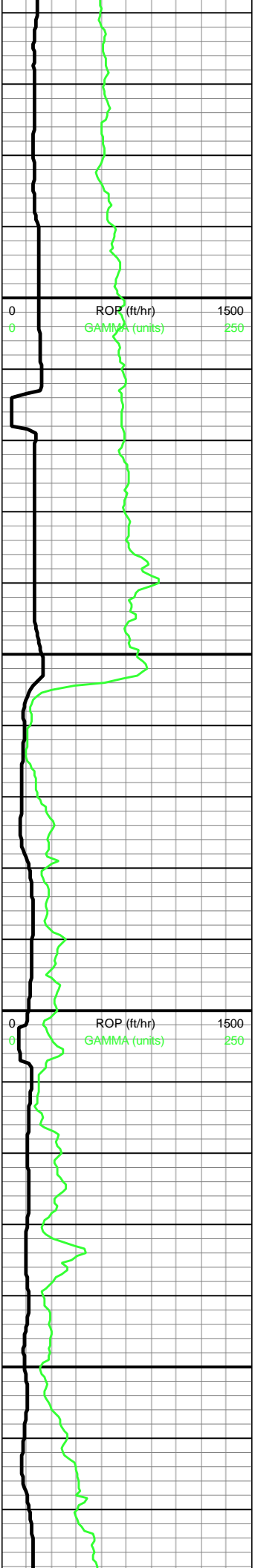
MD: 10,682'
Incl: 89.37°
Azim: 181.07°
TVD: 7,546.21'
VS: 2,524.89'



10500-10600 100% SS:
gyshbn-lt brn, med brn
mot, vf-f gr, sb ang-sb rd,
sb frm-frm, w v srted, grn
sup, silc cmt, calc cmt
mtx, tr GY SH, tr LMST

10600-10700 60% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, dns, rthy, sl
suc tex, mod-v calc; 30%
MRLST: Dk gy-blk, sl
hd-hd, sb blkyl-sb plty,
rthy tex, amor, mod calc,
tr f pyr nod; 10% CHK: off
wht-lt-med gy, sm dk gy,
amor, sb blkyl-blky,
sft-frm, v calc





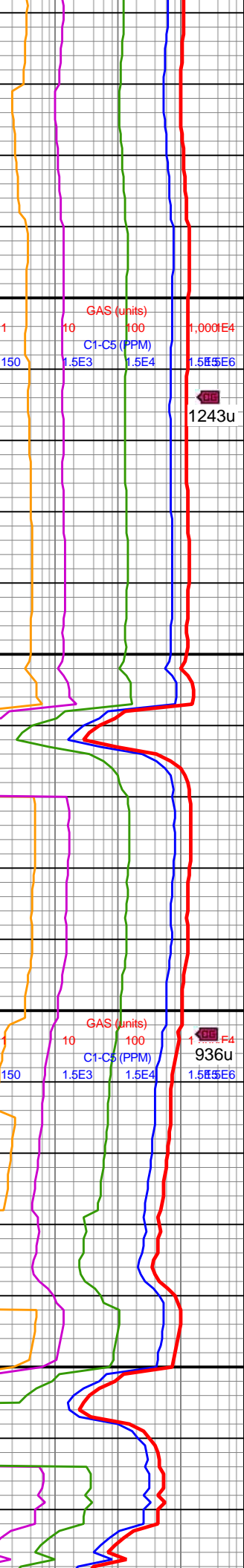
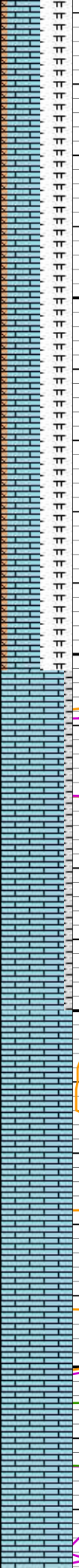
MD: 10,771'
Incl: 89.33°
Azim: 180°
TVD: 7,547.22'
VS: 2,613.88'

WOB: 35
RPM: 60
SPM: 189
SPP: 3,273

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 45

MD: 10,860'
Incl: 89.79°
Azim: 179.97°
TVD: 7,547.9'
VS: 2,702.88'

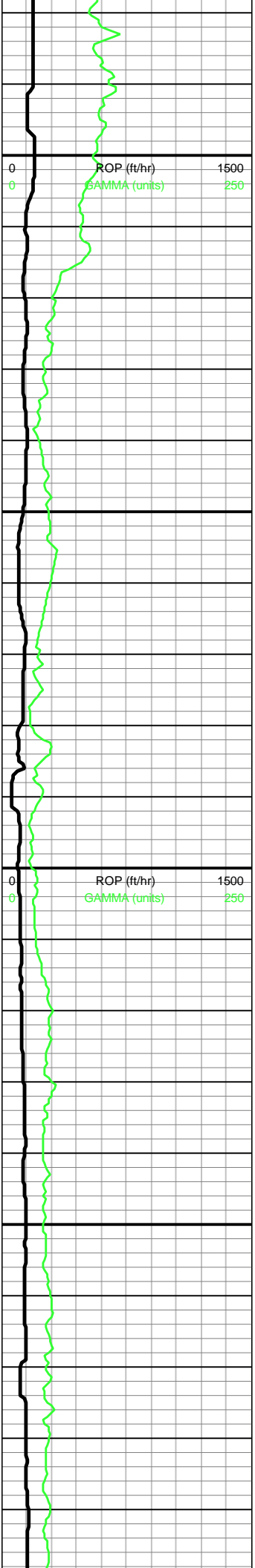
MD: 10,949'
Incl: 90.07°
Azim: 178.71°
TVD: 7,548.01'
VS: 2,791.87'



10700-10800 45% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, dns, rthy, sl
suc tex, mod-v calc; 45%
MRLST: Dk gy-blk, sl
hd-hd, sb blkly-sb plty,
rthy tex, amor, mod calc,
tr f pyr; 10% CHK: off
wht-lt-med gy, amor, sb
blkly-blky, sft-frm, v calc

10800-10900 90% LS:
offwht-lt-med gy,
microxln, fri-frm-hd, v hd
ip, dns ip, rthy-mic, sl suc
tex, mod-v calc; 10% SH:
dk gy-blk, sb blkly-sb plty,
sl hd-hd, sl slty, mod fiss





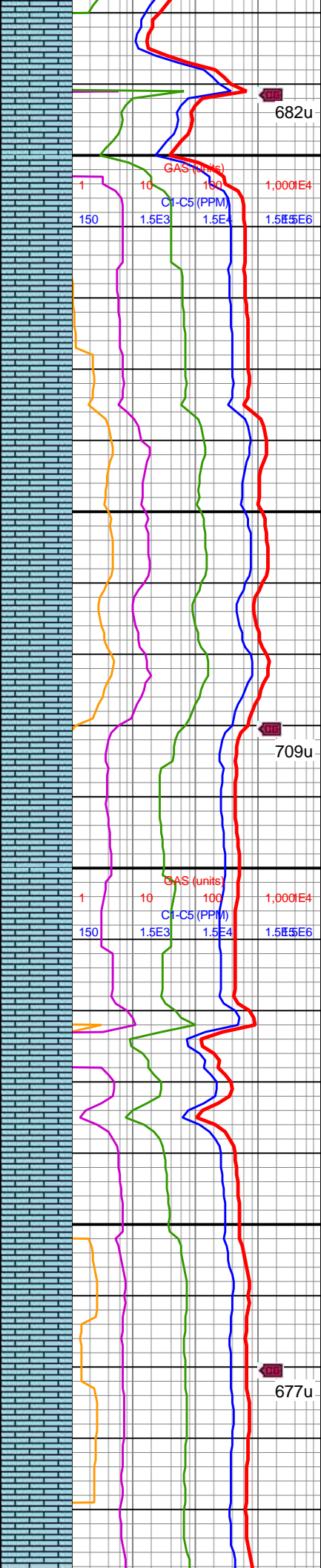
WOB: 31
RPM: 65
SPM: 190
SPP: 3,201

MD: 11,038'
Incl: 89.84°
Azim: 179.52°
TVD: 7,548.08'
VS: 2,880.86'

MW IN: 10.2
VIS IN: 46
MW OUT: 10.2
VIS OUT: 45

MD: 11,127'
Incl: 89.19°
Azim: 178.83°
TVD: 7,548.83'
VS: 2,969.85'

WOB: 35

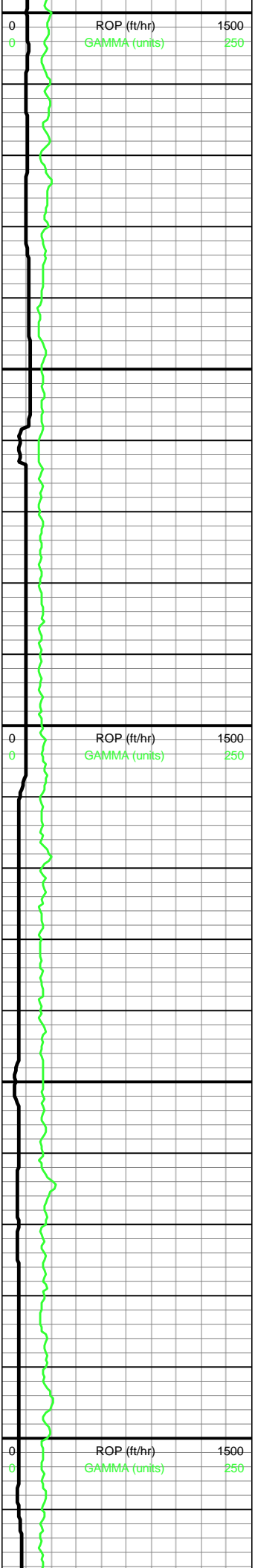


10900-11000 100% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, v hd ip, dns,
rthy, sl suc tex ip, mod-v
calc; tr SH, tr SS

11000-11100 100% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, v hd ip, dns,
rthy, sl suc tex, mod-v
calc; tr SH

11100-11200 100% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, dns, rthy, sl
suc tex, mod-v calc; tr SH





RPM: 61
SPM: 190
SPP: 3,170

MD: 11,216'
Incl: 90.84°
Azim: 180.85°
TVD: 7,548.8'
VS: 3,058.84'

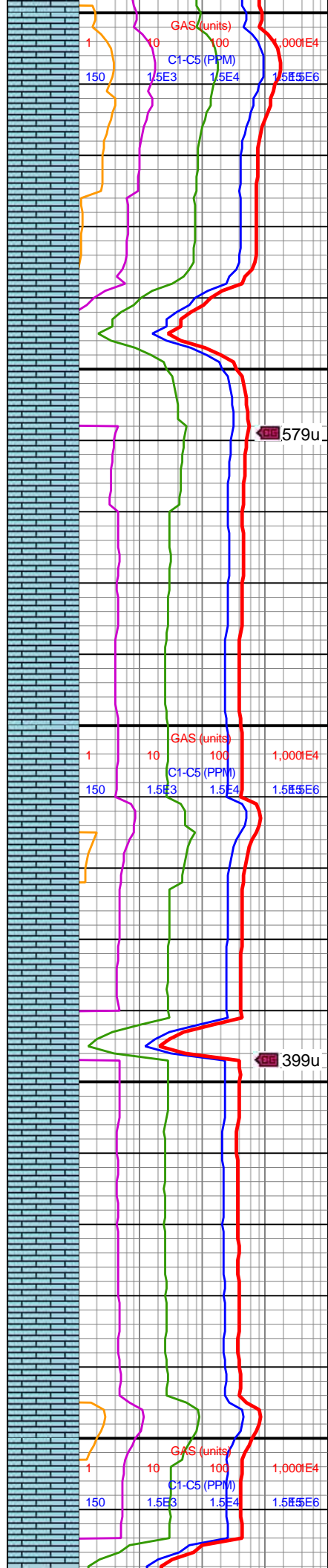
MD: 11,305'
Incl: 89.74°
Azim: 182.5°
TVD: 7,548.35'
VS: 3,147.79'

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 45

MD: 11,394'
Incl: 89.12°
Azim: 179.64°
TVD: 7,549.24'
VS: 3,236.76'

MINDEPTH 3/29/2020

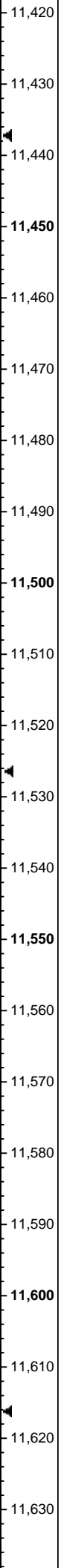
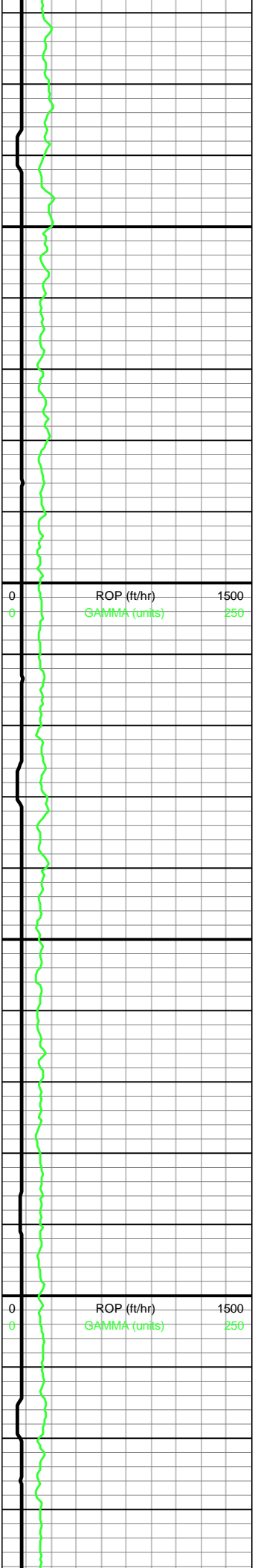
WOB: 23
RPM: 63
SPM: 192
SPP: 3,007



11200-11300 100% LS:
wht-offwht-lt gy, microxln,
fri-frm-hd, dns, rthy, sl
suc-sl chky tex, mod-v
calc; tr SH

11300-11400 100% LS:
wht-offwht-lt gy, sl mot ip,
microxln, fri-frm-hd, dns,
rthy, sl suc-sl chky tex,
mod-v calc; tr SH





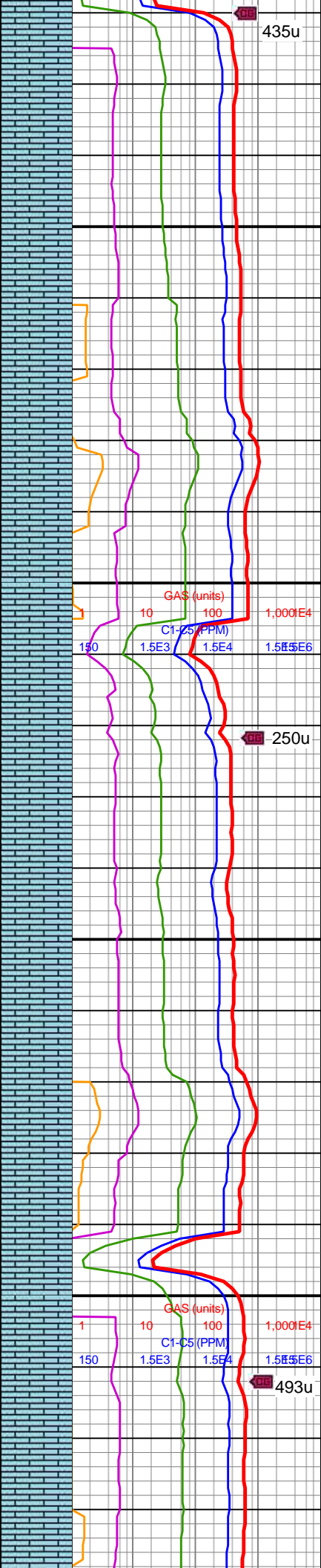
MW IN: 10.2
VIS IN: 46
MW OUT: 10.2
VIS OUT: 45

MD: 11,483'
Incl: 88.99°
Azim: 180.99°
TVD: 7,550.7'
VS: 3,325.75'

MD: 11,573'
Incl: 89.73°
Azim: 181.03°
TVD: 7,551.7'
VS: 3,415.73'

WOB: 29
RPM: 61
SPM: 192
SPP: 3,039

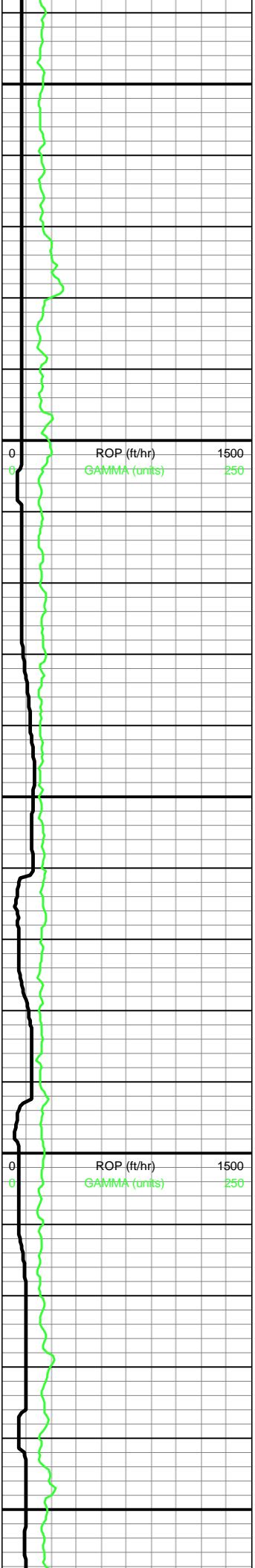
MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 45



11400-11500 100% LS:
offwht-lt gy, sme sl mot,
microxln, fri-frm-hd, dns,
rthy, sl suc-sl chky tex,
mod-v calc; tr SH

11500-11600 100% LS:
offwht-lt gy, bnshgy mot
ip, microxln, fri-frm-hd,
dns, rthy, sl suc-sl chky
tex, mod-v calc; tr SH





11,640
11,650
11,660
11,670
11,680
11,690
11,700
11,710
11,720
11,730
11,740
11,750
11,760
11,770
11,780
11,790
11,800
11,810
11,820
11,830
11,840
11,850

MD: 11,662'
Incl: 90.69°
Azim: 180.78°
TVD: 7,551.37'
VS: 3,504.72'

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 44

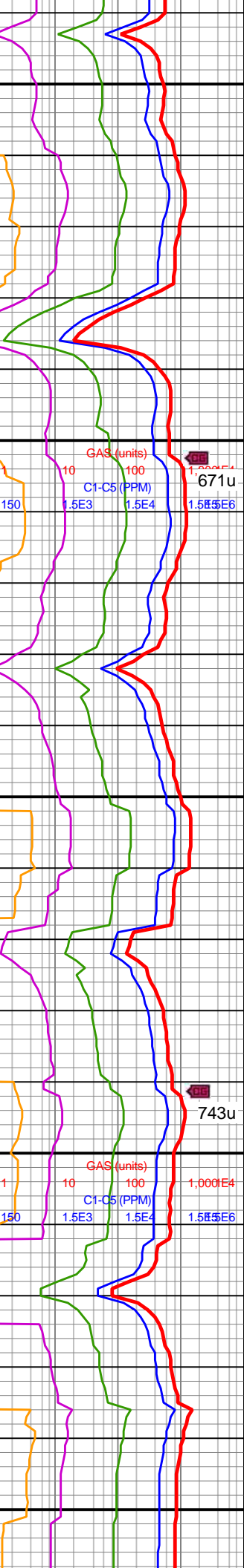
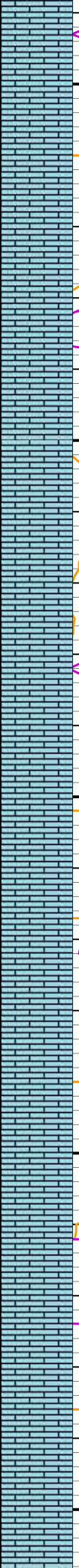
MD: 11,751'
Incl: 91.24°
Azim: 180.44°
TVD: 7,549.88'
VS: 3,593.7'

WOB: 21
RPM: 61
SPM: 186
SPP: 2,466

BP

MD: 11,840'
Incl: 91.18°
Azim: 180.37°
TVD: 7,547.99'
VS: 3,682.68'

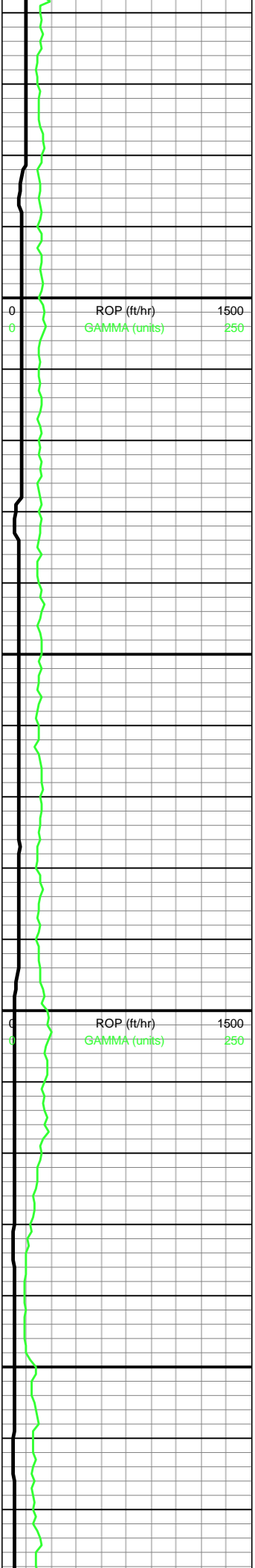
MW IN: 10.2
VIS IN: 46



11600-11700 100% LS:
offwht-lt gy, bnshgy mot
ip, microxln, fri-frm-hd,
dns, rthy, sl suc tex,
mod-v calc; tr SH

11700-11800 100% LS:
offwht-lt gy, sl mot ip,
microxln, fri-frm-hd, dns,
rthy, sl suc tex, mod-v
calc; tr SH





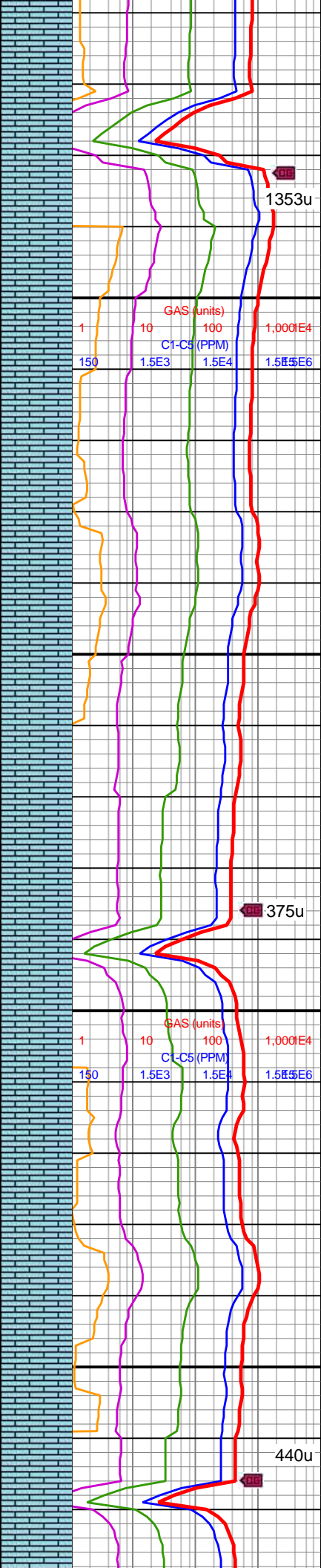
MW OUT: 10.2
VIS OUT: 45

MD: 11,929'
Incl: 91.41°
Azim: 179.09°
TVD: 7,545.98'
VS: 3,771.65'

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 45

WOB: 23
RPM: 62
SPM: 196
SPP: 3,119

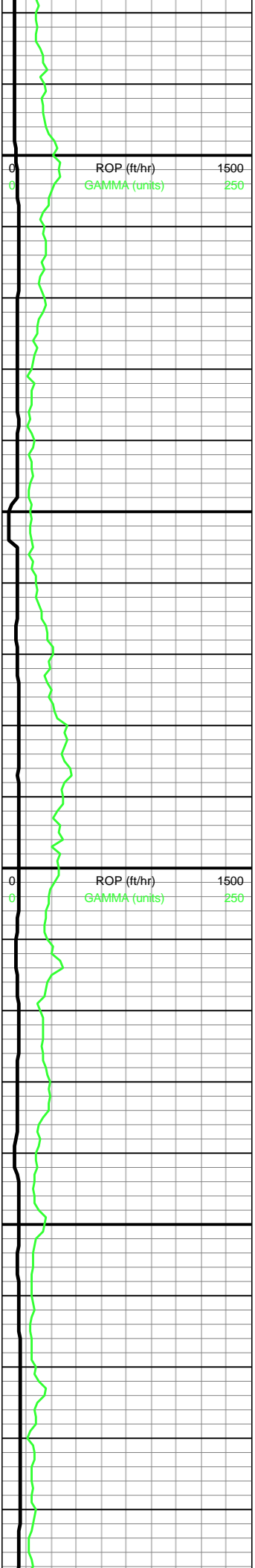
MD: 12,018'
Incl: 90.23°
Azim: 177.17°
TVD: 7,544.7'
VS: 3,860.59'



11800-11900 100% LS:
predy offwht, lt-dk gy, sl
mot ip, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH

11900-12000 100% LS:
predy offwht-crm, lt-dk gy,
sl mot ip, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH





MW IN: 10.2+
VIS IN: 45
MW OUT: 10.2
VIS OUT: 44

MD: 12,107'
Incl: 88.95°
Azim: 177.08°
TVD: 7,545.35'
VS: 3,949.47'

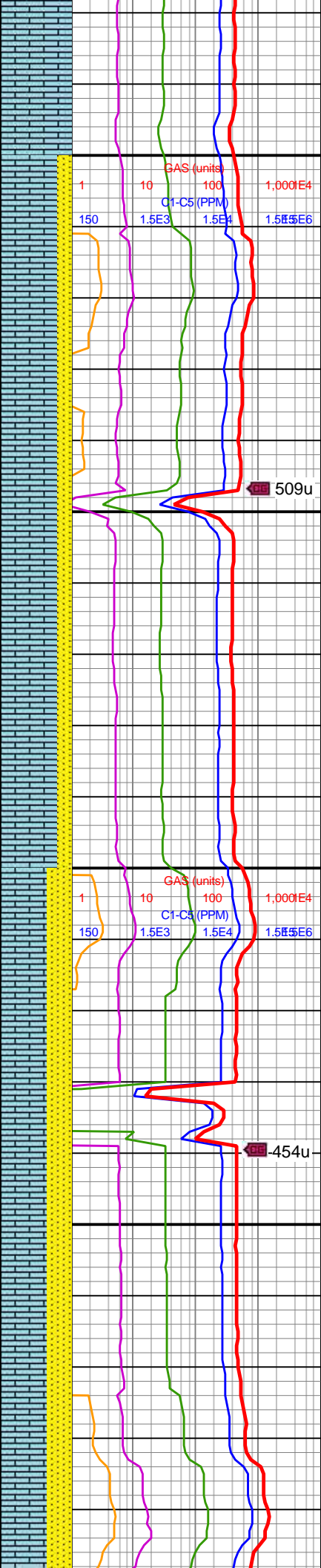
MD: 12,197'
Incl: 89.07°
Azim: 179.36°
TVD: 7,546.9'
VS: 4,039.41'

WOB: 31
RPM: 60
SPM: 196
SPP: 3,205

MW IN: 10.2+
VIS IN: 45
MW OUT: 10.2+
VIS OUT: 43

MW IN: 10.2+
VIS IN: 45
MW OUT: 10.2+
VIS OUT: 43

MD: 12,286'
Incl: 88.91°
Azim: 179.89°
TVD: 7,548.47'
VS: 4,128.39'

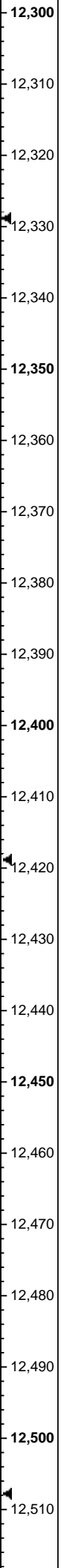
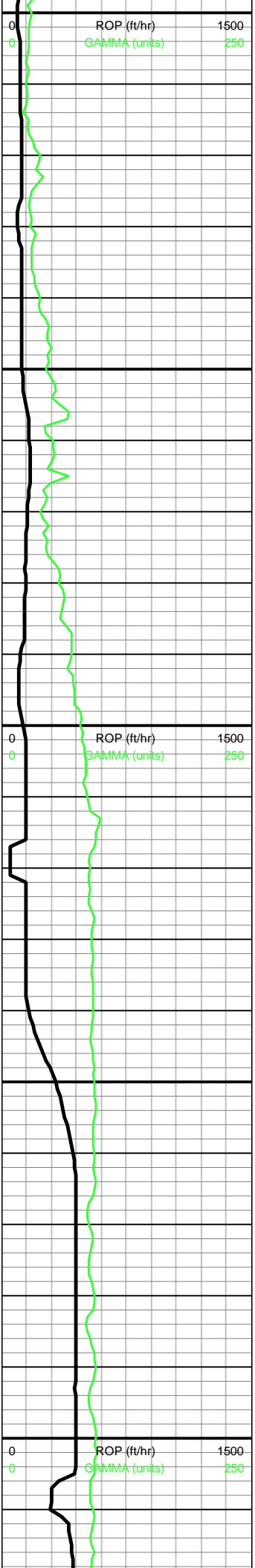


12000-12100 100% LS:
predy offwht-crm, lt-dk gy
ip, sl mot ip, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH

12100-12200 80% LS:
predy offwht-crm, lt-dk gy
ip, sl mot ip, microxln,
fri-frm-hd, dns, rthy lstr, sl
suc tex, pp pyr incl; 20%
SS: lt-med gy, vf gr, frm-sl
hd, sb rnd-sb ang, v w
srt, sdy-rthy tex, calc cmt;
tr SH

12200-12300 65% LS:
predy offwht-crm, lt gy, dk
gy ip, sl mot ip, microxln,
fri-frm-hd, dns, sm-wxy



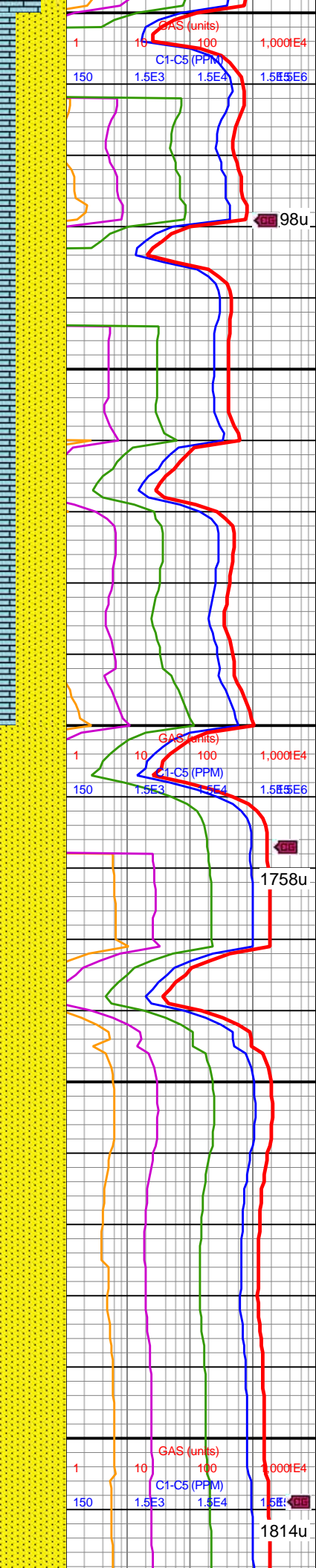


MD: 12,375'
Incl: 88.8°
Azim: 180.44°
TVD: 7,550.25'
VS: 4,217.37'

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 43

WOB: 26
RPM: 60
SPM: 196
SPP: 3,353

MD: 12,464'
Incl: 89.6°
Azim: 180.47°
TVD: 7,551.5'
VS: 4,306.36'

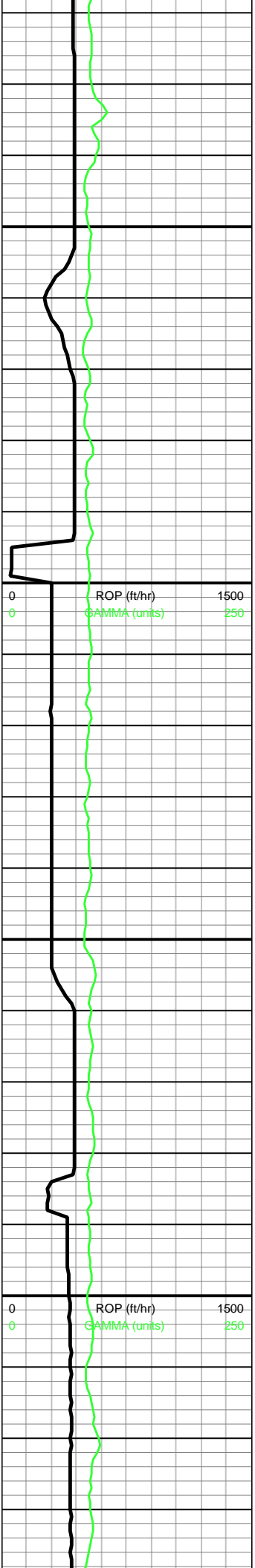


lstr, sl suc tex; 35% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc; tr SH

12300-12400 70% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex; 30% LS:
predy offwht-crm, lt gy, dk
gy ip, sl mot ip, microxln,
fri-frm-hd, dns, sm-wxy
lstr, sl suc tex, calc cmt; tr
SH

12400-12500 100% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc cmt; tr
LMST





12,520
12,530
12,540
12,550
12,560
12,570
12,580
12,590
12,600
12,610
12,620
12,630
12,640
12,650
12,660
12,670
12,680
12,690
12,700
12,710
12,720
12,730

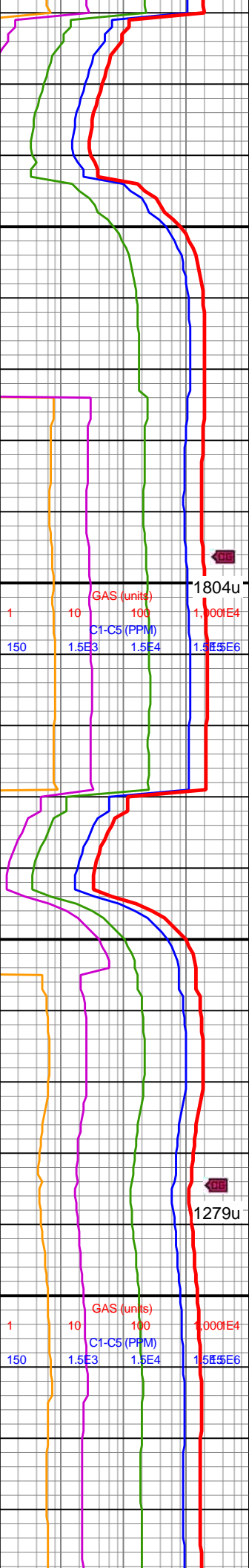
MD: 12,553'
Incl: 89.55°
Azim: 179.4°
TVD: 7,552.16'
VS: 4,395.36'

WOB: 17
RPM: 90
SPM: 196
SPP: 3,368

MW IN: 10.2
VIS IN: 45
MW OUT: 10.2
VIS OUT: 43

MD: 12,642'
Incl: 90.56°
Azim: 180.03°
TVD: 7,552.08'
VS: 4,484.36'

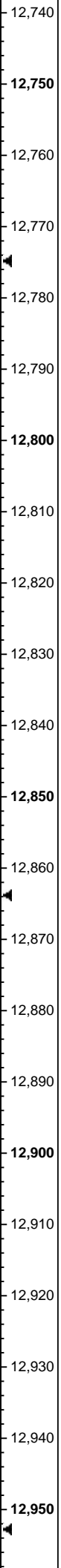
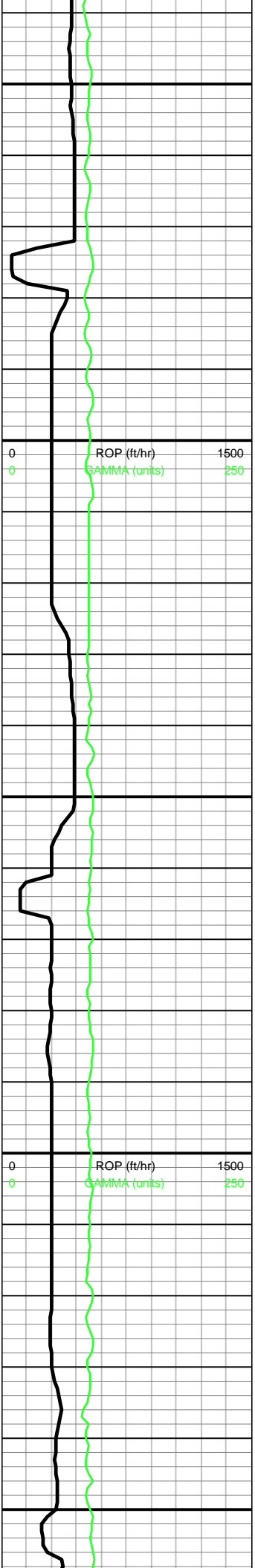
MD: 12,731'
Incl: 90.74°
Azim: 179.62°
TVD: 7,551.08'
VS: 4,573.35'



12500-12600 100% SS:
lt-med gy, vf gr, frm-sl hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc cmt mtx,
pp pyr incl; tr LMST

12600-12700 100% SS:
predy med gy, vf gr, frm-hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc cmt; tr
LMST



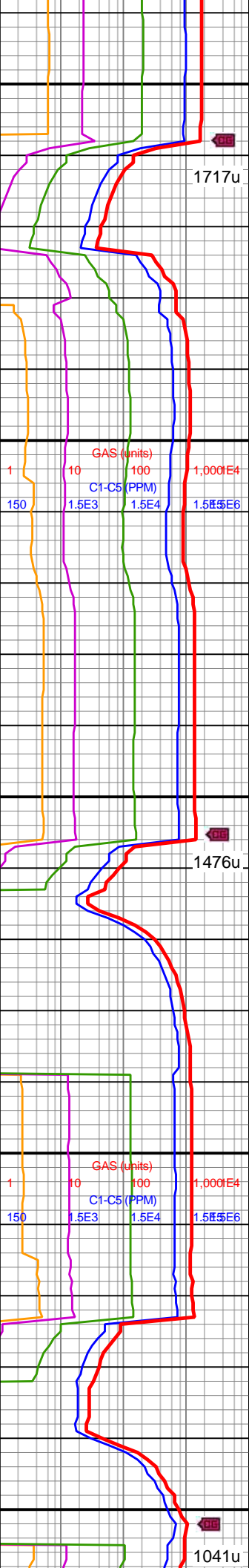
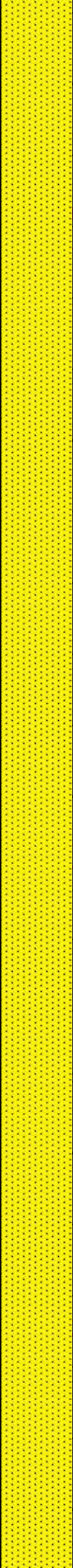


WOB: 16
RPM: 90
SPM: 196
SPP: 2,848

MD: 12,820'
Incl: 90.41°
Azim: 179.21°
TVD: 7,550.18'
VS: 4,662.34'

MW IN: 10.4
VIS IN: 45
MW OUT: 10.2+
VIS OUT: 43

MD: 12,909'
Incl: 90.27°
Azim: 178.01°
TVD: 7,549.65'
VS: 4,751.31'

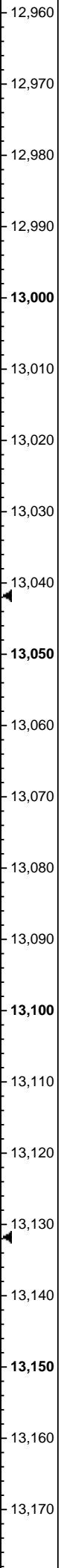
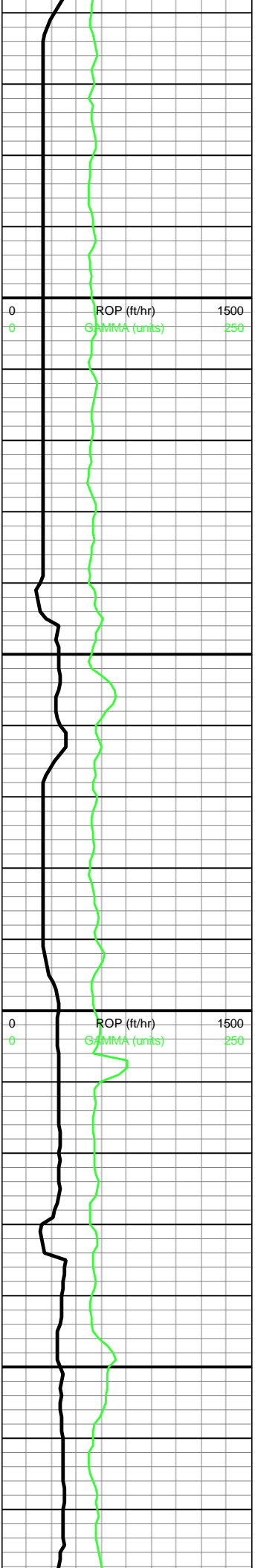


12700-12800 100% SS:
predy med gy, vfg, frm-hd,
sb rnd-sb ang, v w srt,
sdy-rthy tex, calc cmt



12800-12900 100% SS:
predy med gy, dk gy ip,
vfg, frm-hd, sb rnd-sb
ang, v w srt, sdy-rthy tex,
calc cmt





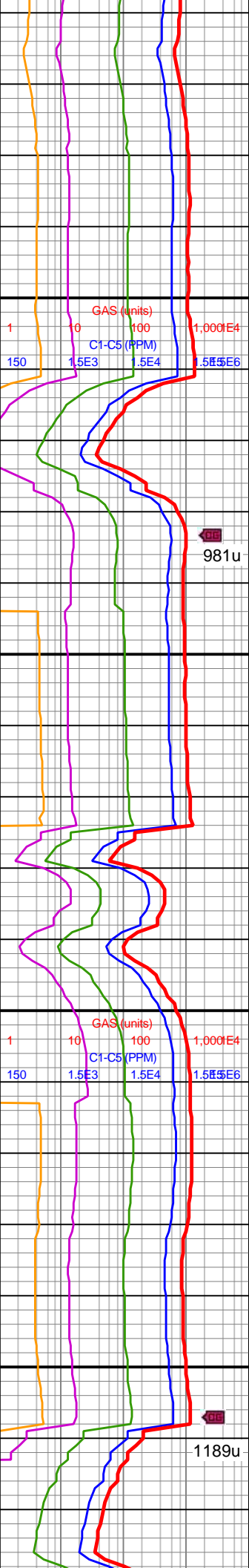
MD: 12,999'
Incl: 90.18°
Azim: 179.96°
TVD: 7,549.29'
VS: 4,841.29'

WOB: 25
RPM: 90
SPM: 196
SPP: 3,565

MW IN: 10.4+
VIS IN: 45
MW OUT: 10.4
VIS OUT: 43

MD: 13,088'
Incl: 90.5°
Azim: 179.86°
TVD: 7,548.77'
VS: 4,930.29'

MD: 13,177'
Incl: 90.09°
Azim: 179.66°
TVD: 7,548.31'
VS: 5,019.29'



12900-13000 100% SS:
predy med gy, dk gy ip,
frm-hd, vfg, sb rnd-sb
ang, v w srt, sdy-rthy tex,
pp mic pyr, calc cmt

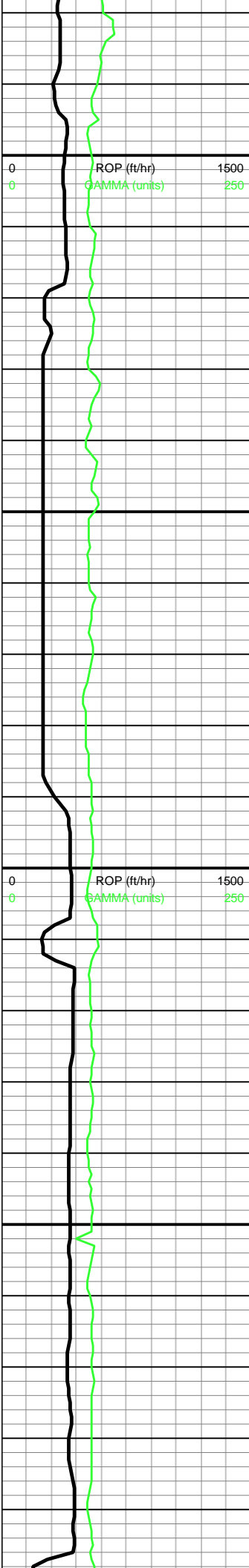


13000-13100 100% SS:
predy med gy-dk gy, tn ip,
frm-hd, vfg, sb rnd-sb
ang, v w srt, sdy-rthy tex, v
calc



981u

1189u



VS: 5,019.29'

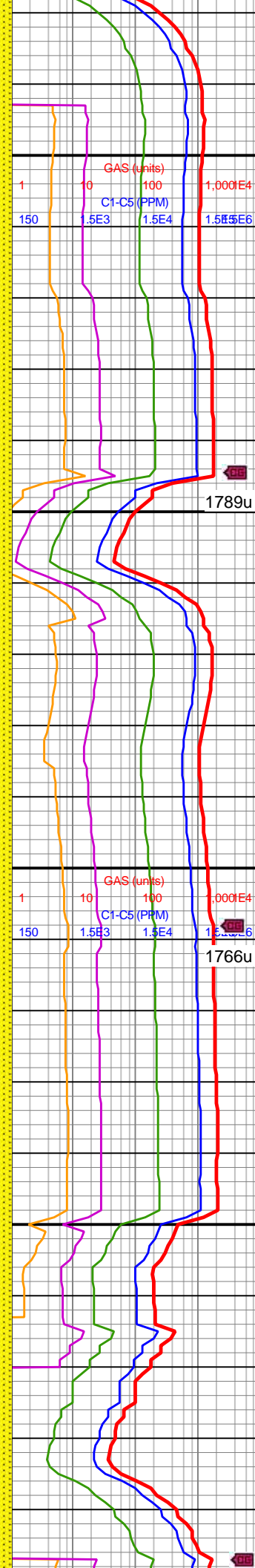
MW IN: 10.4+
VIS IN: 45
MW OUT: 10.4
VIS OUT: 44

WOB: 33
RPM: 90
SPM: 196
SPP: 3,761

MD: 13,266'
Incl: 90.04°
Azim: 180.7°
TVD: 7,548.21'
VS: 5,108.29'

MD: 13,355'
Incl: 90.72°
Azim: 181.61°
TVD: 7,547.61'
VS: 5,197.26'

WOB: 28

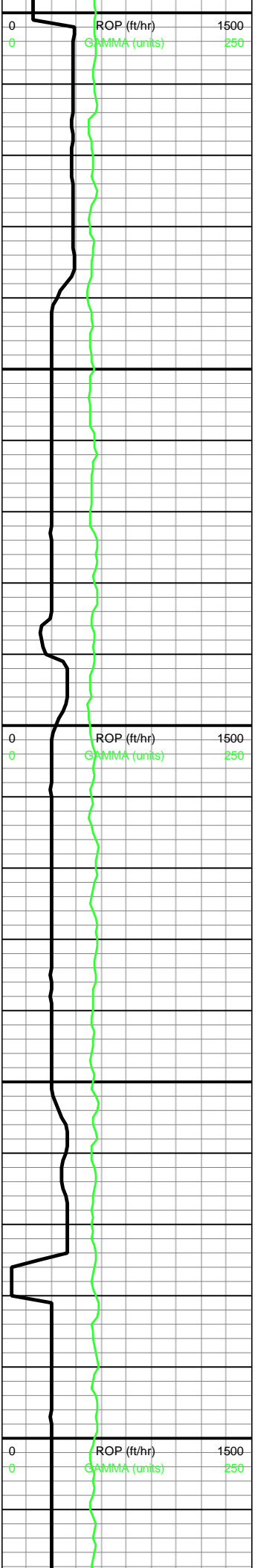


13100-13200 100% SS:
predy med gy-dk gy,
tn-brn ip, frm-hd, vfg, sb
rnd-sb ang, v w srt,
sdy-rthy tex, calc

13200-13300 100% SS:
predy med gy-dk gy, tn ip,
frm-hd, vfg, sb rnd-sb
ang, v w srt, sdy tex, tr
mic pp pyr, v calc

13300-13400 100% SS:
predy med gy-dk gy, tn ip,
frm-hd, vfg, sb rnd-sb
ang, v w srt, sdy tex, calc





RPM: 90
SPM: 196
SPP: 3,744

MD: 13,444'
Incl: 90.2°
Azim: 181.14°
TVD: 7,546.9'
VS: 5,286.23'

MD: 13,533'
Incl: 90.11°
Azim: 180.95°
TVD: 7,546.66'
VS: 5,375.22'

WOB: 17
RPM: 90
SPM: 196
SPP: 2,901

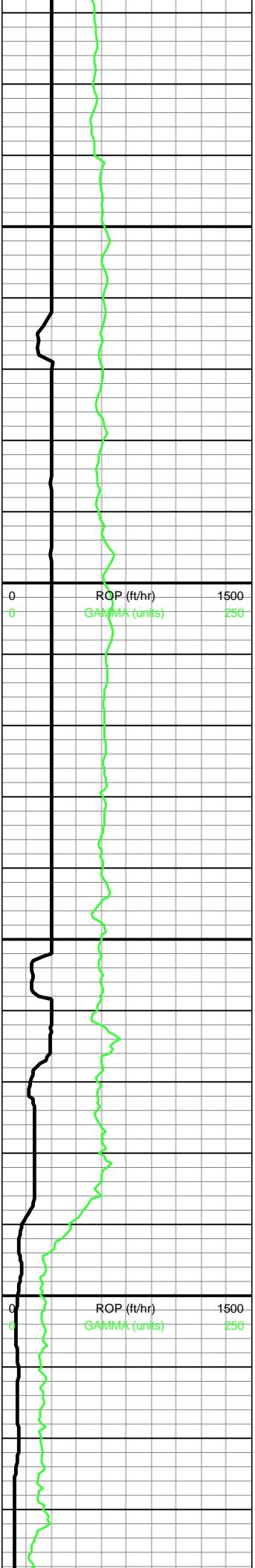
MD: 13,622'
Incl: 89.68°



1131u
1234u
1242u

13400-13500 100% SS:
predy med gy-dk gy, tn ip,
frm-hd, vfg, sb rnd-sb
ang, v w srt, sdy tex, v
calc

13500-13600 100% SS:
predy med gy-dk gy,
brn-tn ip, frm-hd, vfg, sb
rnd-sb ang, v w srt, sdy
tex, calc



13,620 Azim: 180.83°
TVD: 7,546.82'
VS: 5,464.21'

MW IN: 10.4+
VIS IN: 44
MW OUT: 10.4+
VIS OUT: 43

13,650

13,660

13,670

13,680

13,690

13,700

MD: 13,711'
Incl: 89.1°
Azim: 180.83°
TVD: 7,547.76'
VS: 5,553.19'

13,710

13,720

13,730

13,740

13,750

13,760

13,770

13,780

MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 43

13,790

13,800

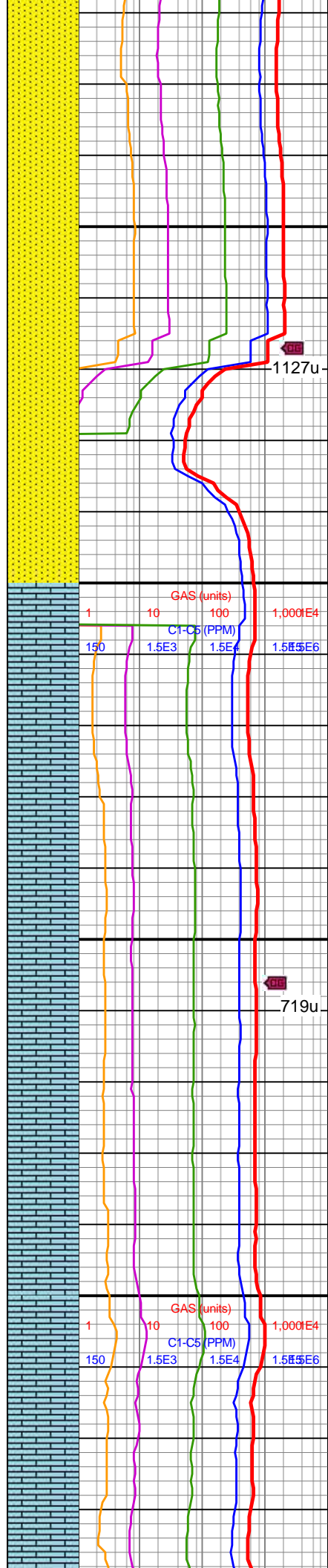
MD: 13,800'
Incl: 89.07°
Azim: 180.62°
TVD: 7,549.18'
VS: 5,642.17'

13,810

13,820

WOB: 34
RPM: 60
SPM: 196
SPP: 3,443

13,830

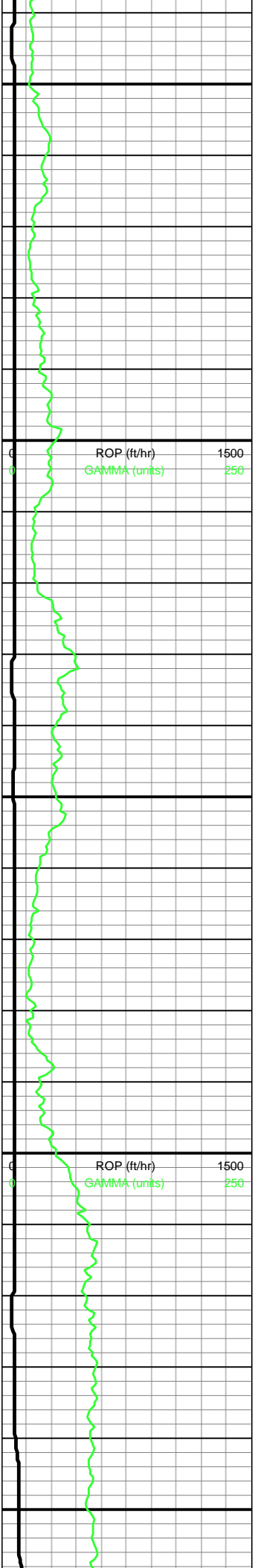


13600-13700 100% SS:
predy med gy-dk gy, tn ip,
frm-hd, vfg, sb rnd-sb
ang, sdy tex, v w srt, calc



13700-13800 100% LS:
predy wht-offwht-crm, lt
gy ip, sl mot ip, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH





13,840
13,850
13,860
13,870
13,880
13,890
13,900
13,910
13,920
13,930
13,940
13,950
13,960
13,970
13,980
13,990
14,000
14,010
14,020
14,030
14,040
14,050

MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 45

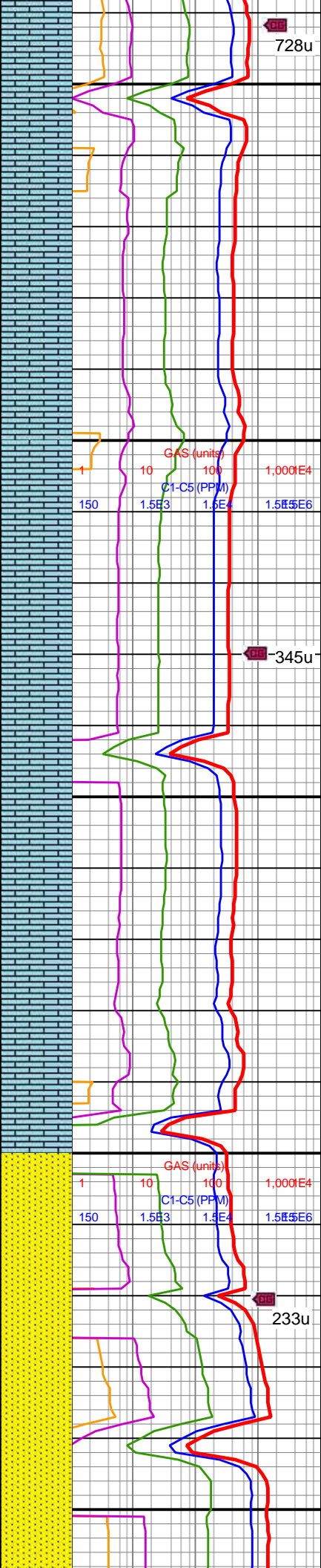
MD: 13,889'
Incl: 88.18°
Azim: 177.6°
TVD: 7,551.32'
VS: 5,731.13'

MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 45

MD: 13,978'
Incl: 87.88°
Azim: 175.39°
TVD: 7,554.39'
VS: 5,819.9'

WOB: 26
RPM: 63
SPM: 196
SPP: 3,269

MW IN: 10.4
VIS IN: 44
MW OUT: 10.4
VIS OUT: 44



728u

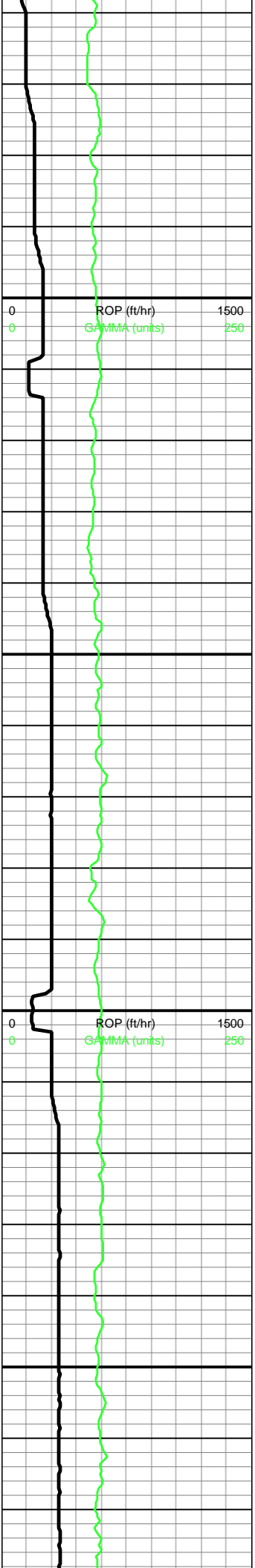
13800-13900 100% LS:
predy wht-offwht-crm-lt
gy, sl mot ip, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH

345u

13900-14000 100% LS:
predy wht-offwht-crm-lt
gy, sl mot, microxln,
fri-frm-hd, dns, rthy lstr,
mod-v calc; tr SH; tr SS

233u





14,060
14,070
14,080
14,090
14,100
14,110
14,120
14,130
14,140
14,150
14,160
14,170
14,180
14,190
14,200
14,210
14,220
14,230
14,240
14,250
14,260
14,270

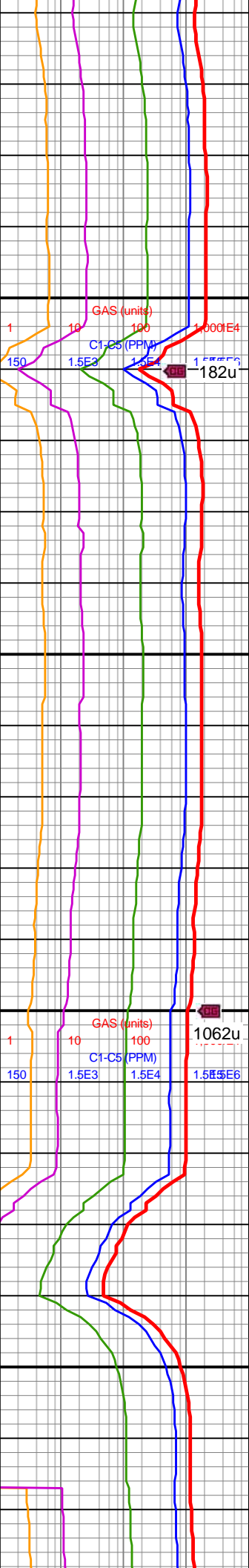
MD: 14,067'
Incl: 88.23°
Azim: 175.06°
TVD: 7,557.42'
VS: 5,908.54'

MD: 14,157'
Incl: 88.06°
Azim: 175.15°
TVD: 7,560.33'
VS: 5,998.17'

MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 45

WOB: 17
RPM: 92
SPM: 196
SPP: 3,126

MD: 14,246'
Incl: 88.15°
Azim: 175.39°
TVD: 7,563.28'
VS: 6,086.81'

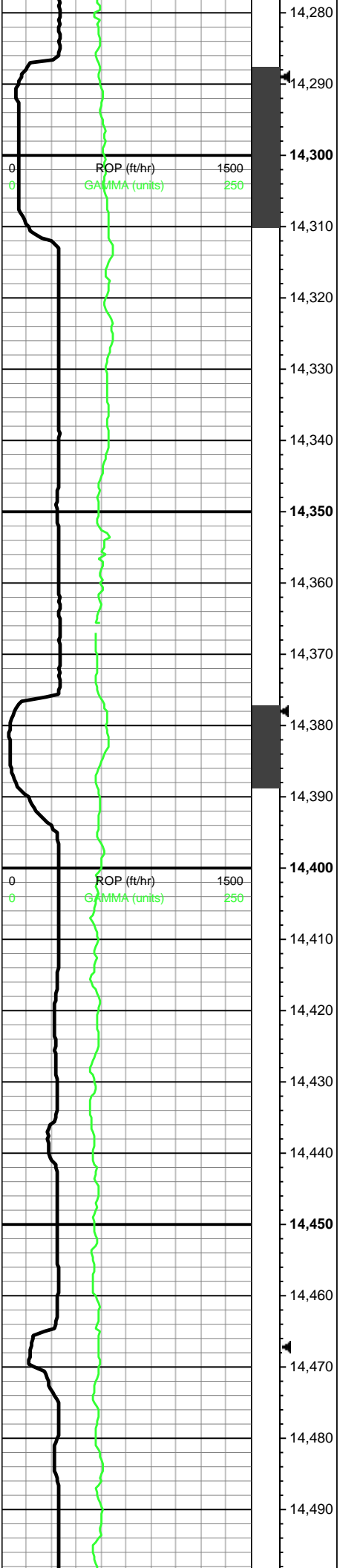


14000-14100 100% SS:
predy med gy-dk gy,
frm-hd, vfg, sb rnd-sb
ang, sdy tex, v w srt, mod
cons, calc



14100-14200 100% SS:
predy med gy-dk gy,
frm-hd, vfg, sb rnd-sb
ang, sdy tex, v w srt, mod
cons, calc



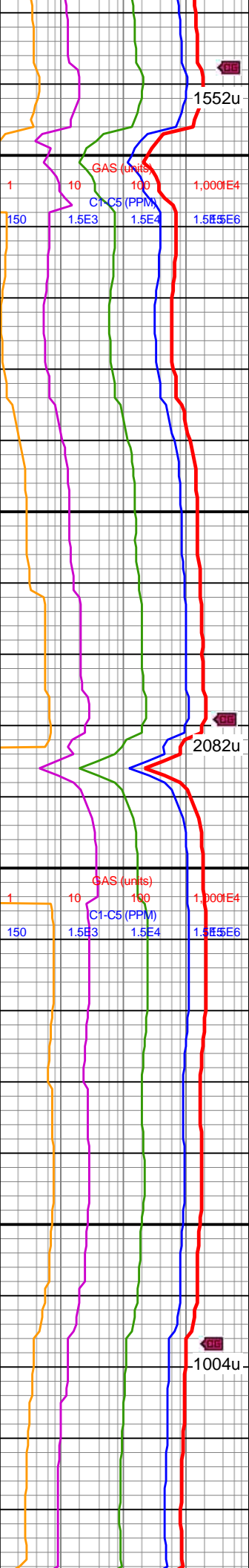


MD: 14,335'
Incl: 88.6°
Azim: 175.69°
TVD: 7,565.8'
VS: 6,175.51'

MW IN: 10.4
VIS IN: 46
MW OUT: 10.4
VIS OUT: 45

WOB: 26
RPM: 90
SPM: 196
SPP: 3,610

MD: 14,424'
Incl: 89.12°
Azim: 174.87°
TVD: 7,567.57'
VS: 6,264.19'



14200-14300 100% SS:
predy med gy gy, frm-sl
hd, vf-v g, sb rnd-sb ang,
sdy tex, v w srt, mod
cons, calc

1552u

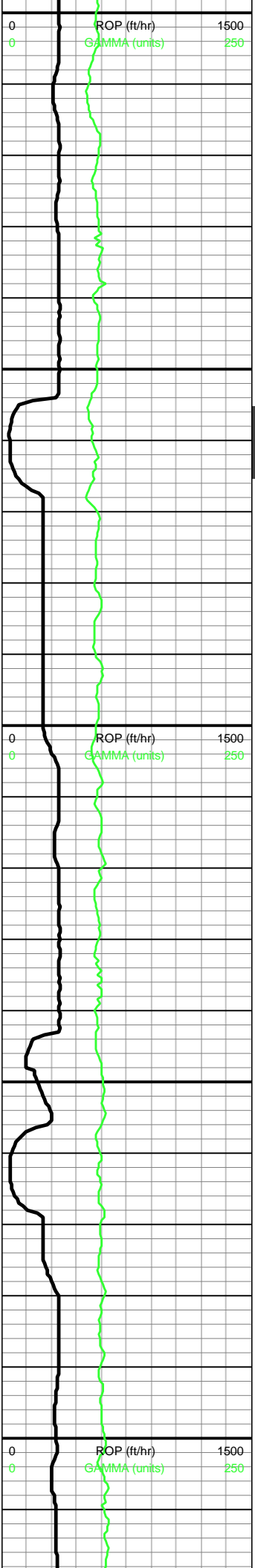
14300-14400 100% SS:
predy med gy gy, frm-sl
hd, vf-v g, sb rnd-sb ang,
sdy tex, v w srt, mod
cons, calc

2082u

14400-14500 100% SS:
lt-med gy, frm-sl hd, vf-v
g, sb rnd-sb ang, sdy tex,
v w srt, ply-mod cons,

1004u





14,500
14,510
14,520
14,530
14,540
14,550
14,560
14,570
14,580
14,590
14,600
14,610
14,620
14,630
14,640
14,650
14,660
14,670
14,680
14,690
14,700
14,710

MD: 14,513'
Incl: 89.11°
Azim: 172.99°
TVD: 7,568.94'
VS: 6,352.67'

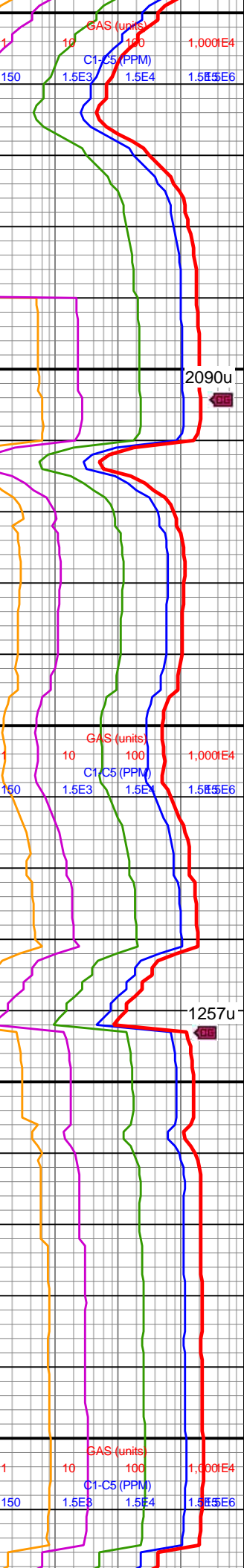
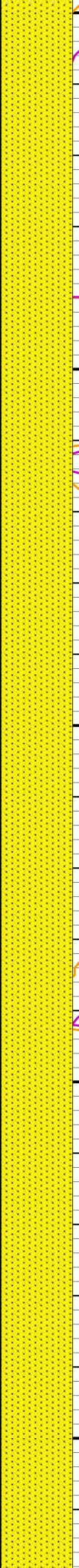
MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 45

WOB: 20
RPM: 92
SPM: 196
SPP: 3,498

MD: 14,602'
Incl: 88.9°
Azim: 172.88°
TVD: 7,570.49'
VS: 6,440.99'

3/30/2020

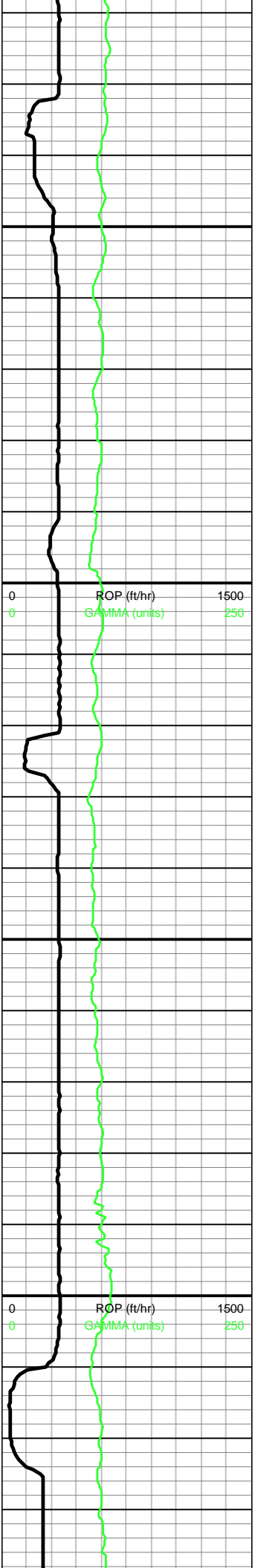
MD: 14,691'
Incl: 89°
Azim: 174.24°
TVD: 7,572.12'
VS: 6,529.41'



14500-14600 100% SS:
lt-med gy, frm-sl hd, vf-v
g, sb rnd-sb ang, sdy tex,
v w srt, ply-mod cons,
calc

14600-14700 100% SS:
lt-med gy, frm-sl hd, vf-v
g, rr med grs, sb rnd-sb
ang, sdy tex, v w srt, mod
cons, calc



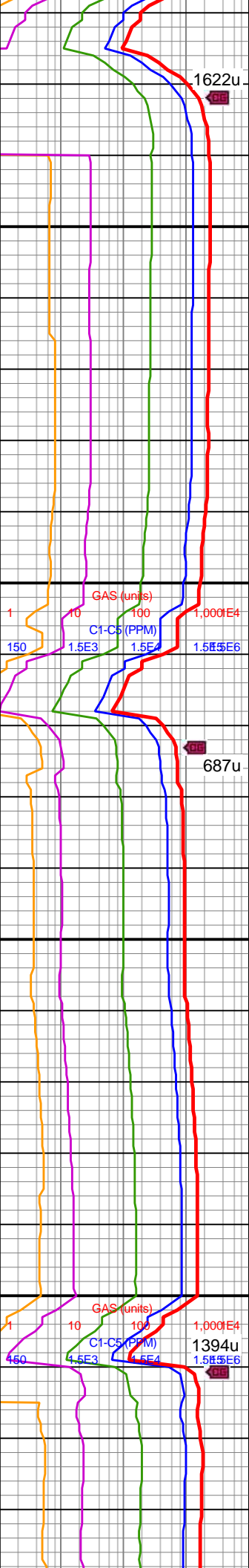


MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 44

MD: 14,780'
Incl: 89.17°
Azim: 175.12°
TVD: 7,573.55'
VS: 6,618.01'

WOB: 28
RPM: 92
SPM: 196
SPP: 3,718

MD: 14,869'
Incl: 89°
Azim: 174.33°
TVD: 7,574.97'
VS: 6,706.62'



1622u

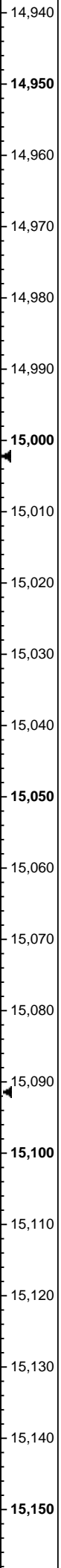
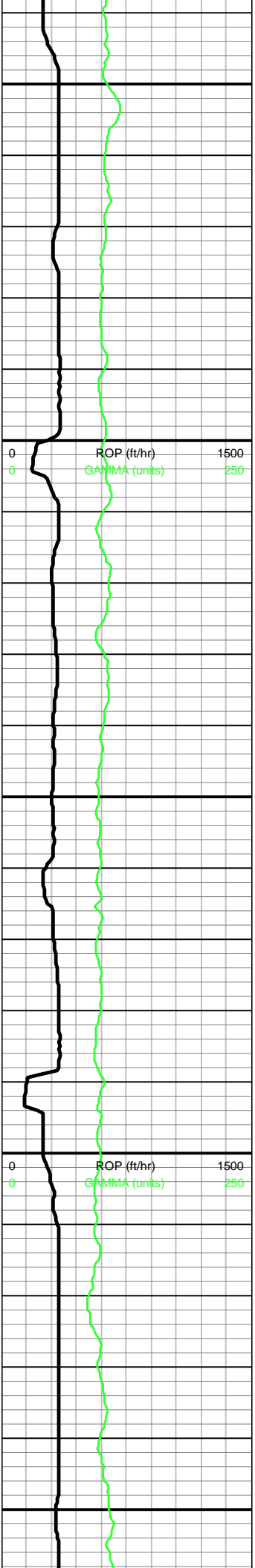
687u

1394u

14700-14800 100% SS:
lt-med gy, frm-sl hd, vf-v
g, rr med grs, sb rnd-sb
ang, sdy tex, v w srt, mod
cons, calc

14800-14900 100% SS:
lt-med gy, frm-sl hd, vf-v
g, sb rnd-sb ang, sdy tex,
v w srt, mod cons, calc





MD: 14,959'
Incl: 88.74°
Azim: 176.07°
TVD: 7,576.75'
VS: 6,796.29'

WOB: 12
RPM: 91
SPM: 196
SPP: 3,038

MD: 15,048'
Incl: 89.04°
Azim: 177.89°
TVD: 7,578.47'
VS: 6,885.14'

MW IN: 10.4
VIS IN: 45
MW OUT: 10.4
VIS OUT: 45

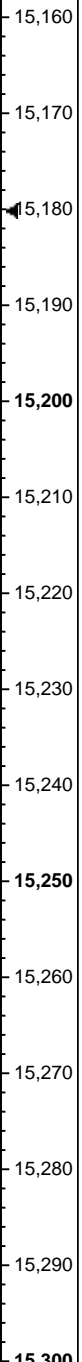
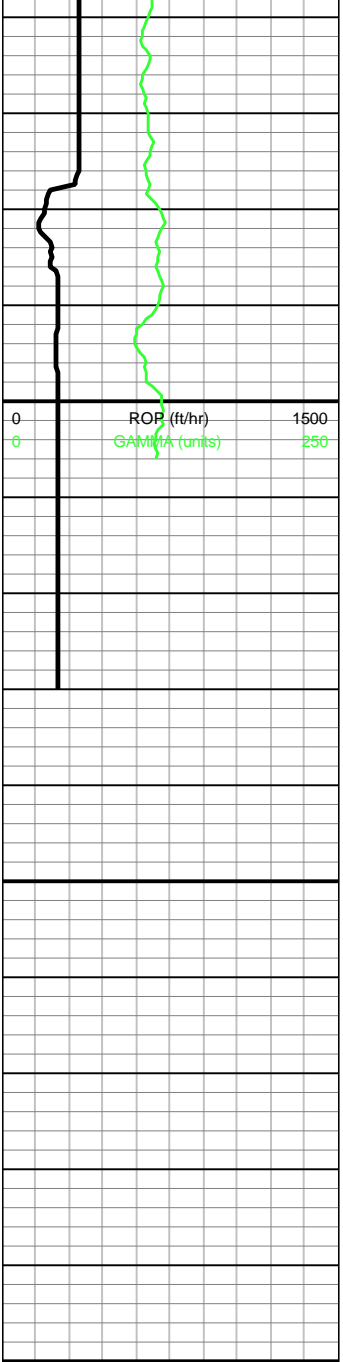
MD: 15,137'
Incl: 89.17°
Azim: 178.02°
TVD: 7,579.86'
VS: 6,974.07'



14900-15000 100% SS:
lt-med gy, tr off wht, frm-sl
hd, vf-v g, sb rnd-sb ang,
sdy tex, v w srt, mod
cons, calc

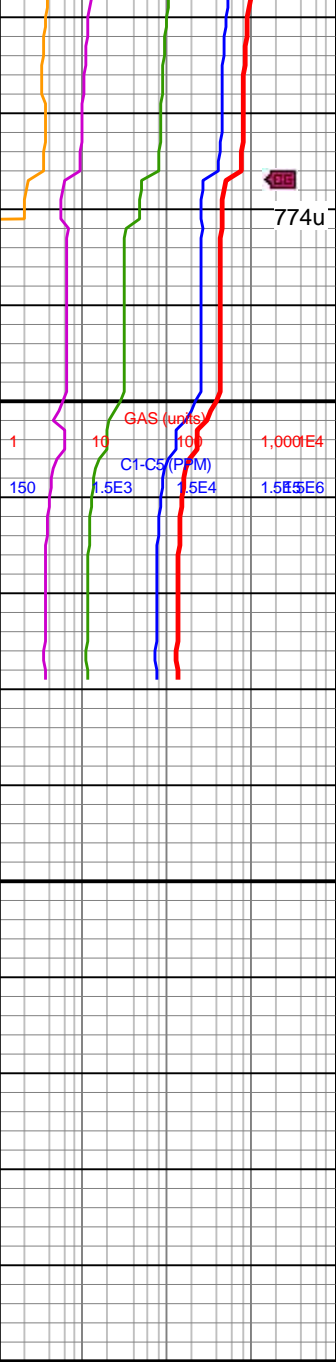
15000-15100 100% SS:
lt-med gy, frm-sl hd, vf-v
g, sb rnd-sb ang, sdy tex,
w-v w srt, mod cons, calc





MD: 15,187'
Incl: 89.02°
Azim: 178.32°
TVD: 7,580.65'
VS: 7,024.04'

TD@ 7,581' TVD
15,230' MD
02:37 hrs MST
03/30/2020



15100-15200 100% SS:
lt-med gy, frm-sl hd, vf-v
g, tr med grs, sb rnd-sb
ang, sdy tex, w-v w srt,
mod cons, calc

