



Scale: 5" / 100'  
Measured Depth Log

Well Name HUNZIKER 1C-28HZ

Location SEC.28-T2N-R67W

State COLORADO

County WELD

Country USA

Rig Number PRECISION 460

API Number 05123408930000

APE # 2101689

Region DJ BASIN

Field WATTENBERG

Spud Date 3/11/2015

Drilling Completed 3/18/2015

Surface Coordinates 433FSL & 1593FEL, SEC.28

Bottom Hole Coordinates 460' FNL, 510' FFELL

Ground Elevation 5,069'

K.B. Elevation 5,089'

Logged Interval 7,300' MD To 12,888' MD

Total Depth 12,888' MD

Formation CODELL

Type of Drilling Fluid LSND/WATER BASED

## Operator

Company ANADARKO PETROLEUM INC.

Address ANADARKO PETROLEUM CORPORATION  
1099 18TH ST. #1800  
DENVER, CO 80202  
(IAN HARRIS - OPERATIONS GEOLOGIST)

## Geologist

Name IAN HARRIS

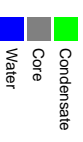
Company ANADARKO PETROLEUM CORP.

Address ANADARKO PETROLEUM CORPORATION  
1099 18TH ST. #1800  
DENVER, CO 80202

## Other






































WELLSITE GEOLOGISTS ISAAC SMITH/

## Zone Color Coding





Other Symbols

DINT		DST INTERVAL		WIRELINE TESTED - LEFT		E EARTHY
3Y		FAULT		WIRELINE TESTED - RT		FX FINELYXLN
neering		FORMATION TOP		DRILL STEM TEST		GS GRAINSTONE
		GAS SHOW		MINDEPTH MN DEPTH		L LITHOGRAPHIC
		OIL SHOW				MX MICROXLN
		MINDEPTH MN DEPTH UP	Rounding			
NECTION (UP)						MS MUDSTONE
NECTION (DOWN)		MINDEPTH MN DEPTH (DOWN)		ANGULAR		PS PACKSTONE
NECTION GAS		NORMAL FAULT		R ROUNDED		WS WACKESTONE
NECTION GAS (LEFT)		OVERTURNED STRATA		B SUBANG		
GAS		REVERSE FAULT		R SUBRND	Sorting	
IP GAS (LEFT)		CASING				M MODERATE
Textures						
N TIME GAS		SIDEWALL CORE (LEFT)				P POOR
OWN TIME GAS (LEFT)		SIDEWALL CORE (RIGHT)		B\$ BOUNDSTONE		W WELL
- LOST		SLIDE		C CHALKY		
- RECOVERED		SURVEY		CX CRYPTOXLN		

Slide/Rotate

DECOLLEMENT CONSULTING 2 MAN  
RIGGED UP ON 3/12/2015 BEGAN  
LOGGING AT 19:45 PM MST ON 3/12/2015

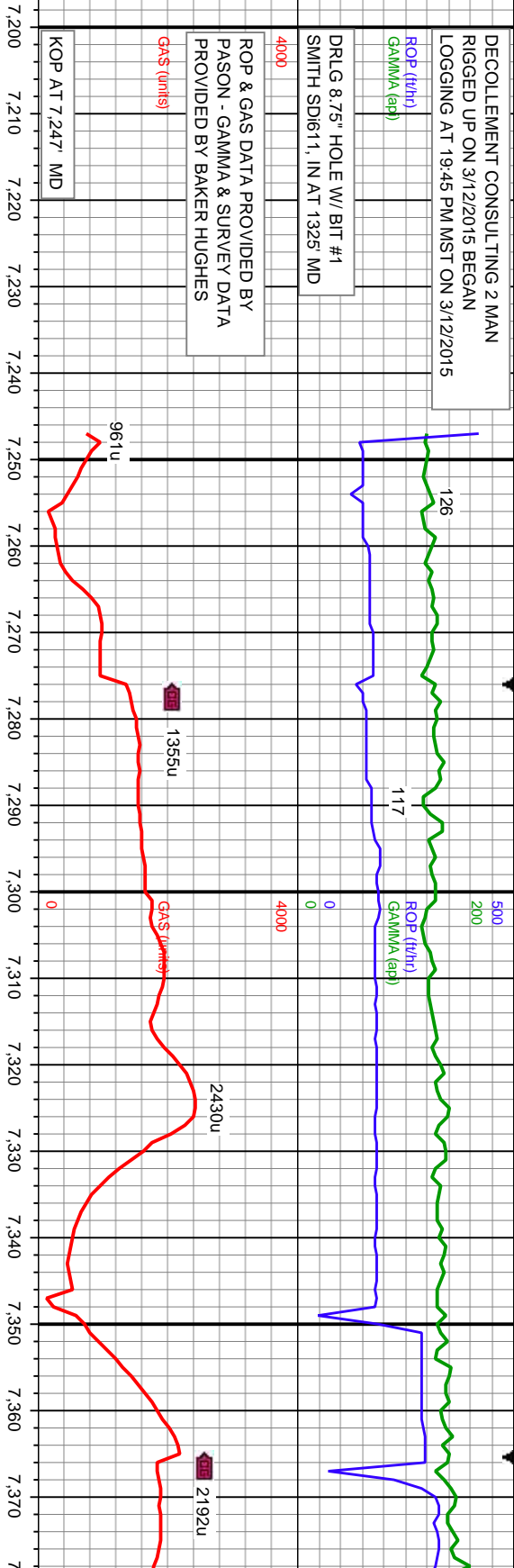
ROP  
ROP —  
GAMMA —

DRLG 8.75" HOLE W/ BIT #1  
SMITH SD1611, IN AT 1325' MD  
4000

ROP & GAS DATA PROVIDED BY  
PASON - GAMMA & SURVEY DATA  
PROVIDED BY BAKER HUGHES

Total Gas & Chromatograph  
GAS —

Depth Labels



PIERRE SHALE

WELLBORE LITHOLOGY  
INTERPRETATION IS NOT TO SCALE

Well Bore  
TVD —

TVD (ft)  
ACETONE WAS USED AS THE CUTTING  
AGENT WITH THE DIMPLE FILLED TO THE  
RIM. THE RATINGS ARE BASED ON 7  
DESCRIPTORS: NONE, SLIGHT TRACE,  
TRACE, FAIR, MODERATE, GOOD, AND  
EXCELLENT. THE DESCRIPTOR USED IS  
BASED ON THE LOGGERS OBSERVATIONS  
AND BEST JUDGMENT OF BRILLIANCE,  
COLOR AND LONGEVITY OF THE CUT.

7247'-7300' MD: 100% SLTY SH:  
lt-med gy-tr dk gy, sft - frm, sb blkly -  
sb plty, mod-v slty, v sl calc, nosfc

7300'-7350' MD: 100% SLTY SH:  
lt-med gy-tr dk gy, sft - frm, sb blkly -  
sb plty, mod-v slty, v sl calc, nosfc

7350'-7400' MD: 100%  
lt-med gy-tr dk gy, sft  
sb plty, mod-v slty, v s

MD: 7,308'  
TVD: 7,140.52'  
Inclin.: 7.59°  
Azim.: 346.54°  
VS: -858.76'

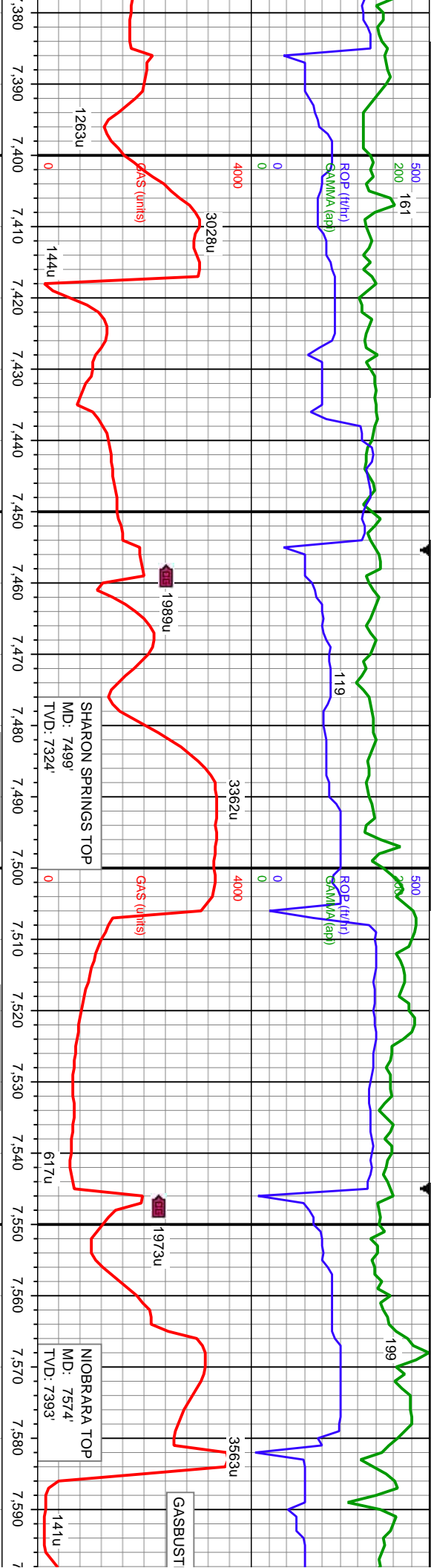
WT 10.2/ VIS 39

Oil Show

E  
G  
M  
F  
T  
S

Images





MD: 7,398'  
TVD: 7,228.77'  
Inclin.: 14.69°  
Azim.: 343.33°  
VS: -842.13'

MD: 7,488'  
TVD: 7,314.21'  
Inclin.: 21.74°  
Azim.: 339.01°  
VS: -815.79'

MD: 7,578'  
TVD: 7,396.32'  
Inclin.: 26.52°  
Azim.: 339.7°  
VS: -781.64'

SLTY SH:  
frm, sb blk -  
sl calc, nostc

7400'-7450' MD: 100% SLTY SH:  
lt-med gy-tr dk gy, sft - frm, sb blk -  
sb pty, mod-v slty, v sl calc, nostc

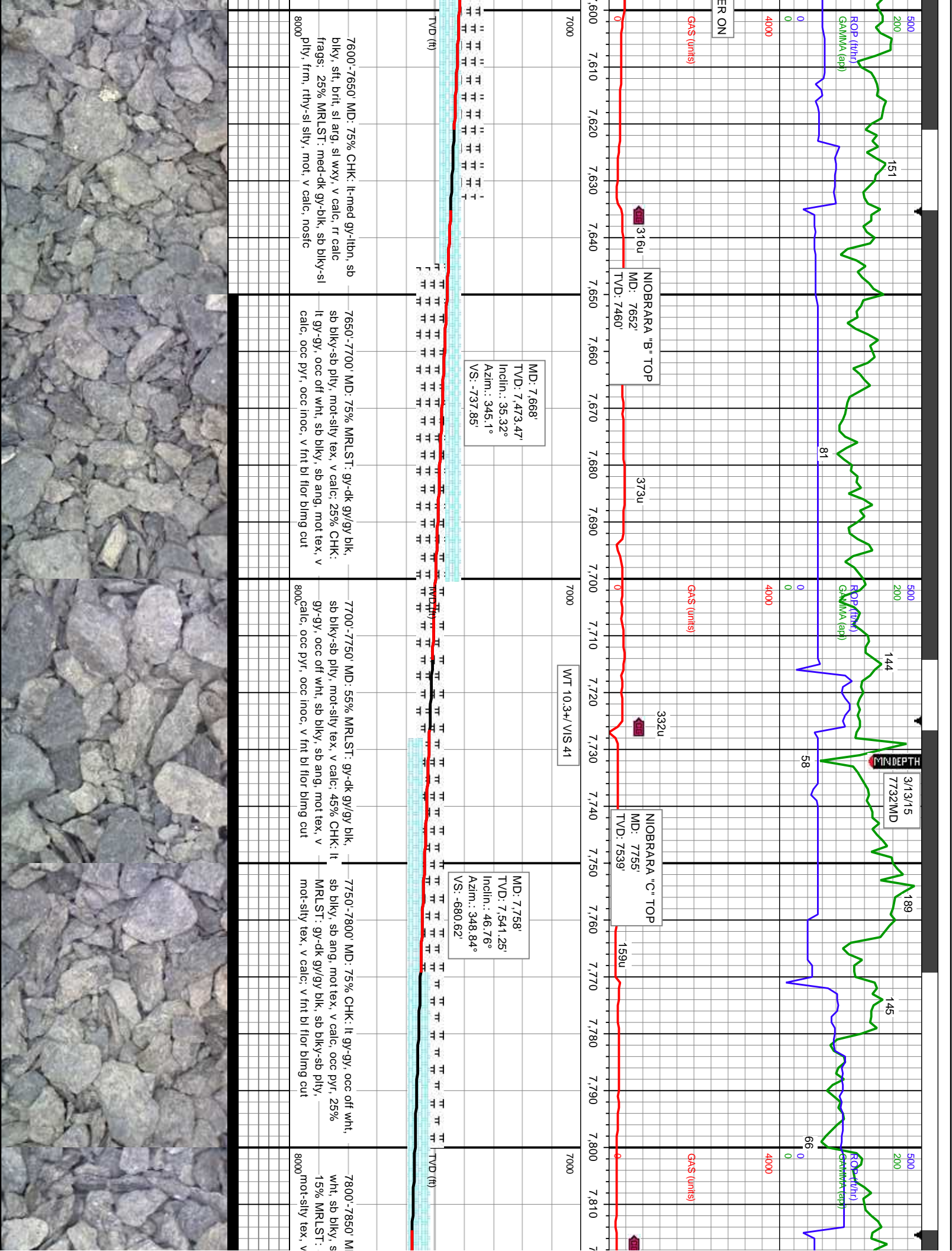
7450'-7500' MD: 100% SLTY SH:  
lt-med gy-tr dk gy, sft - frm, sb blk -  
sb pty, mod-v slty, v sl calc, nostc

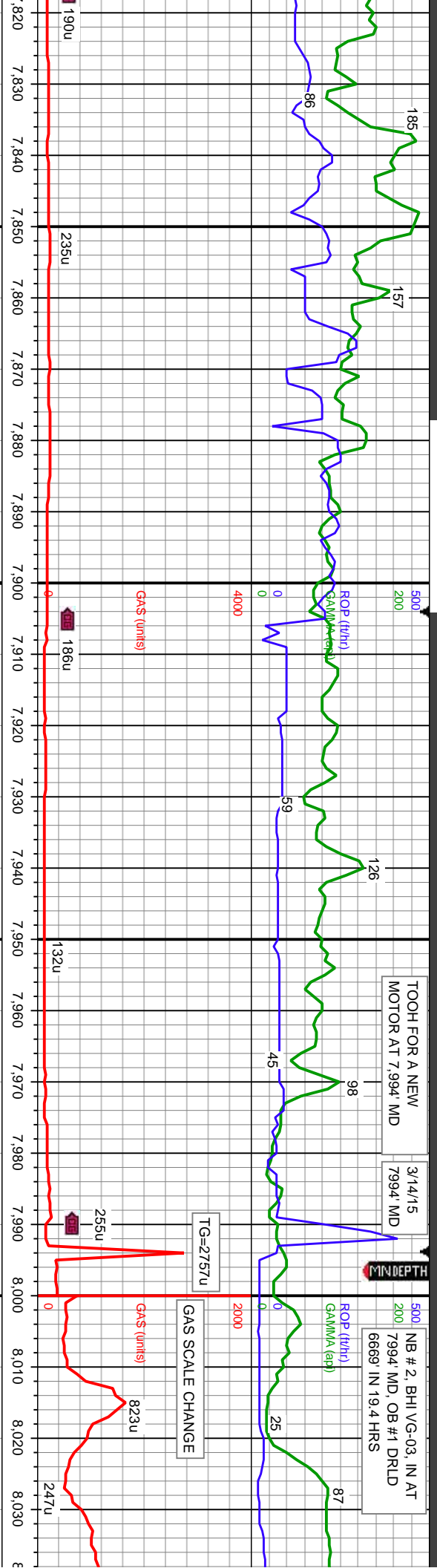
7500'-7550' MD: 50% SLTY SH: lt-med gy-tr dk  
gy, sft - frm, sb blk - sb pty, mod-v slty, v sl  
calc, 50% CHK: lt-med gy-lbn, sb blk, sft, brit,  
sl arg, sl wxy, v calc, rr calc frags, nostc

7550'-7600' MD: 60% CHK: lt-med gy-lbn, sb  
blk, sft, brit, sl arg, sl wxy, v calc, rr calc  
frags, 40% MRST: med-dk gy-blk, sb blk-sl  
pty, frm, rthy-sl slty, mot, v calc, nostc









MD: 7.848'  
TVD: 7.599.3'  
Inclin.: 52.87°  
Azim.: 351.59°  
VS: -613.15'

D: 85% CHK: lt gy-gy, occ off  
b ang, mot tex, v calc, occ pyr,  
gy-dk gy/gy blk, sb biky-sb ply,  
calc: v fnt bl fllor blmg cut

7,900-7,950' MD: 90% CHK: lt gy-gy, occ off  
wht, sb biky, sb ang, mot tex, v calc, occ pyr,  
10% MRLST: gy-dk gy/gy blk, sb biky-sb ply,  
mot-sily tex, v calc: v fnt bl fllor blmg cut

MD: 7.937'  
TVD: 7.650.45'  
Inclin.: 56.96°  
Azim.: 353.23°  
VS: -541.17'

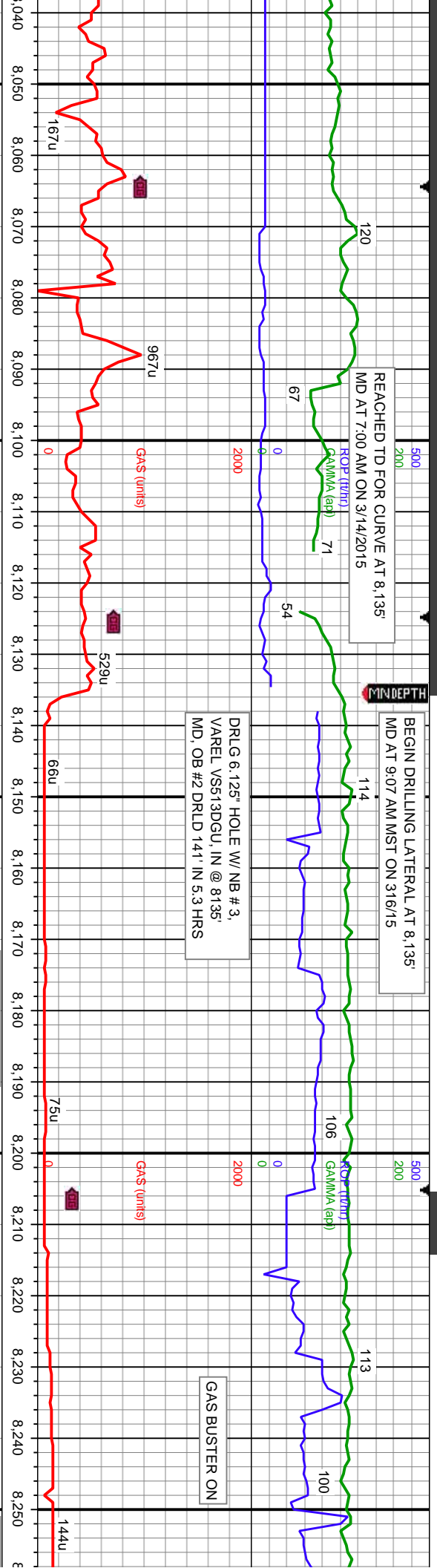
7,950-8,000' MD: 80% LS: crm-offwht,  
sb ply-ply, frm-hd, cyxin-mcxln, 20% MRLST:  
med-dk gy-blk, sb biky-si ply, frm, rthy-si  
sily, mot, v calc: 10%CHK: lt-med gy-lbn,  
sb biky, sft, brt, sl arg, sl wxy, v calc:

MD: 8.027'  
TVD: 7.689.19'  
Inclin.: 71.91°  
Azim.: 357.27°  
VS: -460.64'

8,000-8,050' MD: 50% LS: crm-offwht, 10% MRLST: med-dk gy-blk, sb biky-si ply, rthy-si sily, mot, v calc, scat pyr, fnt bl fllor w/ stfg, sl bl-wl halo cut







MD: 8,065'  
TVD: 7,699.03'  
Inclin.: 78.07°  
Azim.: 0.74°  
VS: -423.99'

MD: 8,085'  
TVD: 7,702.51'  
Inclin.: 81.88°  
Azim.: 3.47°  
VS: -404.3'

MD: 8,135'  
TVD: 7,705.18'  
Inclin.: 92°  
Azim.: 7.5°  
VS: -354.59'

MD: 8,147'  
TVD: 7,707.36'  
Inclin.: 89.16°  
Azim.: 7.64°  
VS: -342.73'

MD: 8,237'  
TVD: 7,707.78'  
Inclin.: 90.3°  
Azim.: 7.93°  
VS: -253.33'

PROJECTION TO BIT

WT IN 9.6/ OUT 9.6  
VIS IN 39/ OUT 39

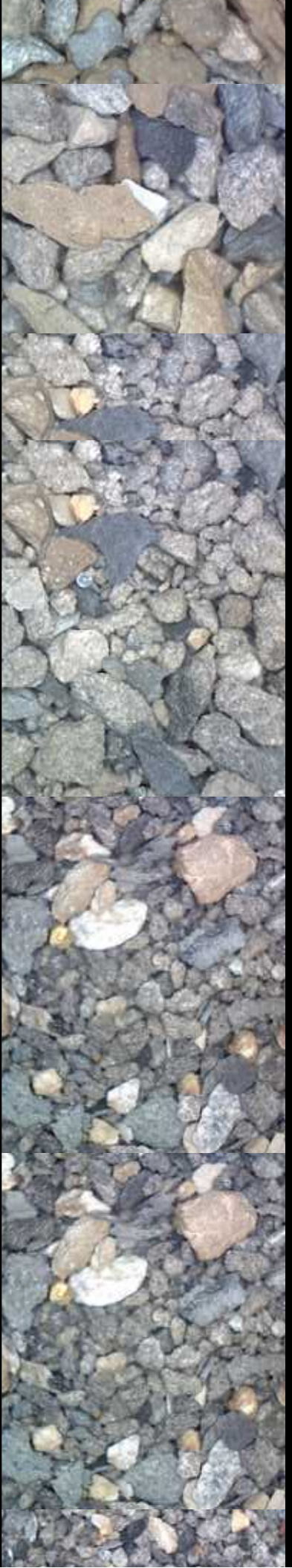
WT IN  
VIS IN

8,050'-8,100' MD: 70% SS: lt-med gy-lbn, f-med grn, ang-sb ang, mod srl, sug tex, rr blk incl, rr glau, mod calc cmt; 20% LS: crm-offwht, sb ply-pily, frm-hd, cyxin-mcxln, v calc; 10% SH: med-dk gy-blk, biky-sb biky-sb ply, sl silty tex, sl arg, scat dissim pyr; fnt bl-gn flr w/ strg, sl bl-wl halo cut

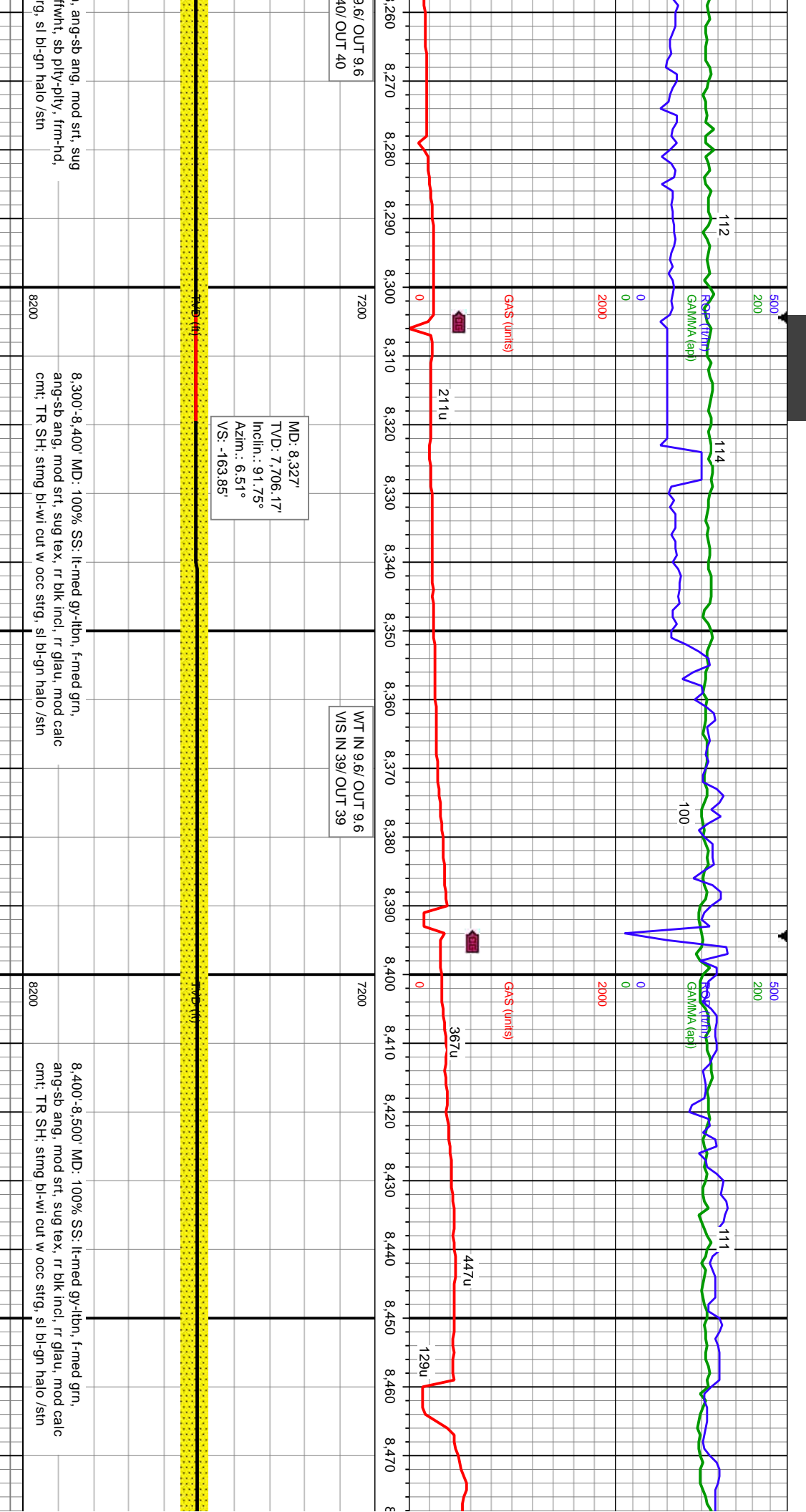
8,100'-8,135' MD: 85% SS: lt-med gy-lbn, f-med grn, ang-sb ang, mod srl, sug tex, rr blk incl, rr glau, mod calc cmt; 5% LS: crm-offwht, sb ply-pily, frm-hd, cyxin-mcxln, v calc; 10% SH: med-dk gy-blk, biky-sb biky-sb ply, sl silty tex, sl arg, scat dissim pyr; fnt bl-gn flr w/ strg, sl bl-wl halo cut

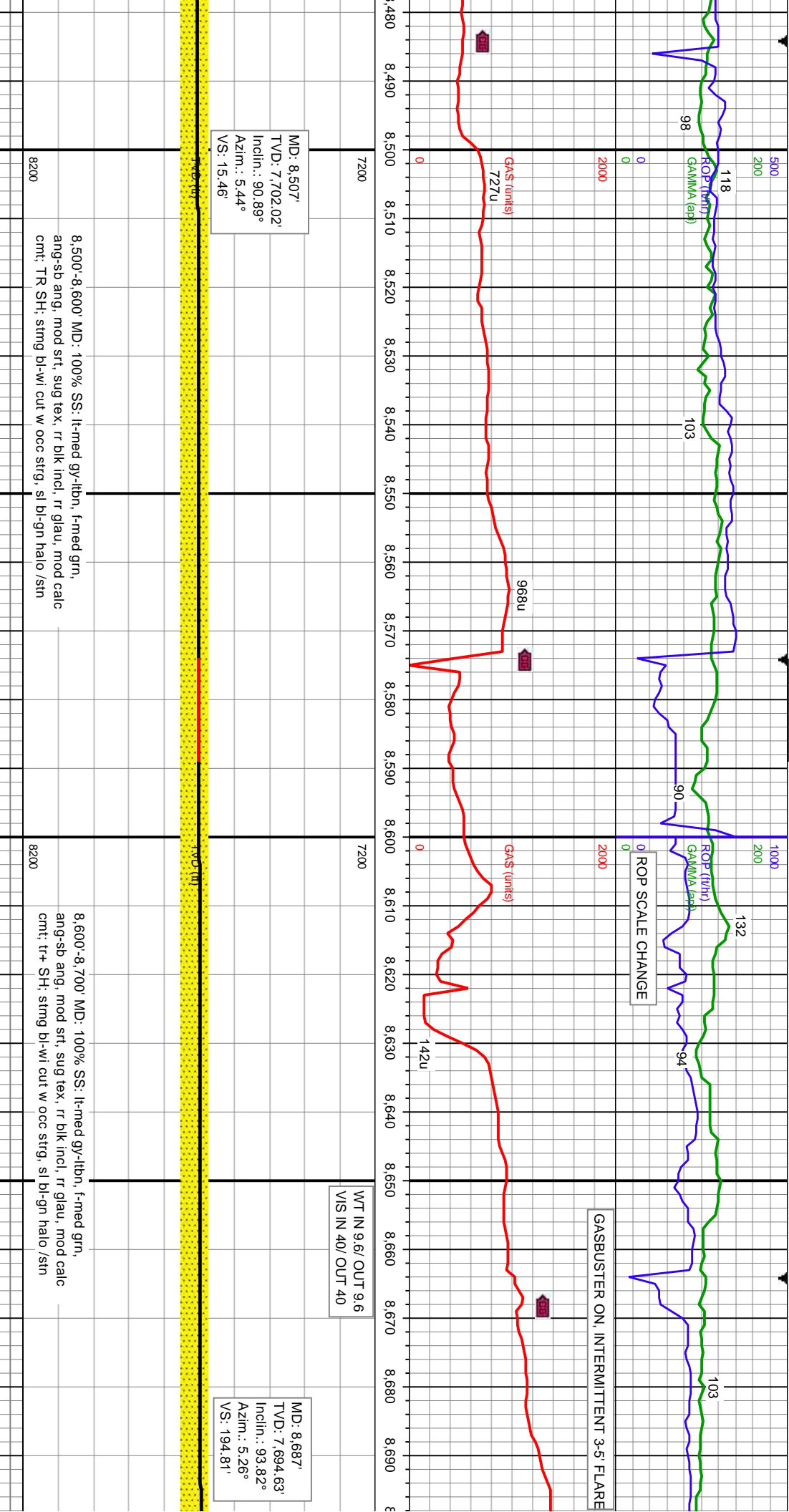
8,135'-8,200' MD: 90% SS: lt-med gy-lbn, f-med grn, ang-sb ang, mod srl, sug tex, rr blk incl, rr glau, mod calc cmt; 10% LS: crm-offwht, sb ply-pily, frm-hd, cyxin-mcxln, v calc; TR SH; fnt bl-gn flr w/ strg, sl bl-wl halo cut

8,200'-8,300' MD: 95% SS: lt-med gy-lbn, f-med grn, ang-sb ang, mod srl, sug tex, rr blk incl, rr glau, mod calc cmt; 5% LS: crm-offwht, sb ply-pily, frm-hd, cyxin-mcxln, v calc; TR SH; stmg bl-wl cut w occ str





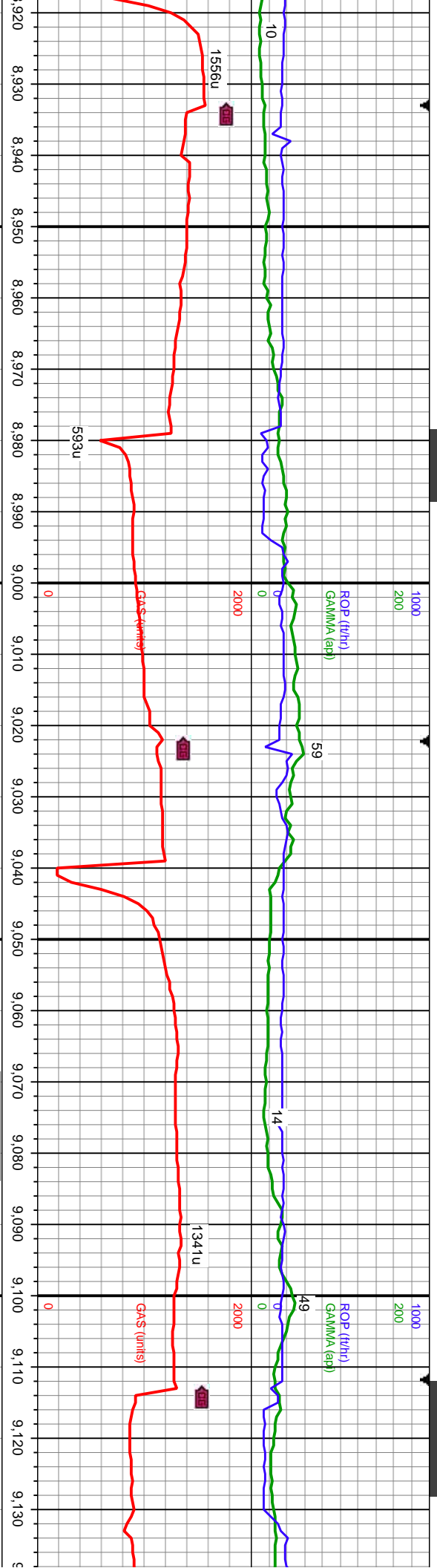












MD: 9.046'  
TVD: 7.676.87'  
Inclin.: 92.22°  
Azim.: 3.02°  
VS: 552.69'

WT 9.7/ VIS 40

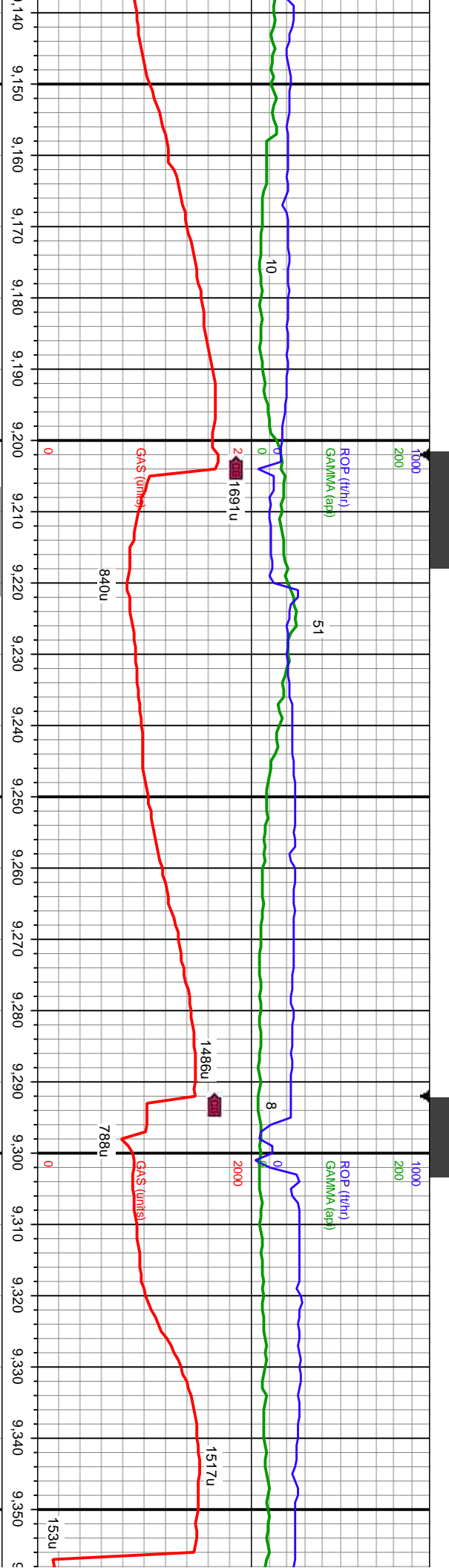
MD: 9.113'  
TVD: 7.6  
Inclin.: 9  
Azim.: 3  
VS: 642.69'

9000'-9000' MD: 85% LS: crm-lt gy-buff, crp-mexln, frm-hrd, dns-sl  
xln, sl-mod arg: 15% SS: lt-dk gy-dk gy brn, tr s&p, vf-f gr, frm-fri, sb  
rnd-sb ang, w strd, p cons w/ v sl calc cmt, p vis intrgrn por; nostc

9000'-9100' MD: 95% LS: crm-lt gy-buff, crp-mexln, frm-hrd, dns-sl  
xln, sl-mod arg: 5% SS: lt-dk gy-dk gy brn, tr s&p, vf-f gr, frm-fri, sb  
rnd-sb ang, w strd, p cons w/ v sl calc cmt, p vis intrgrn por; nostc

9100'-9200' MD: 95% L  
xln, sl-mod arg: 5% SS:  
rnd-sb ang, w strd, p cc





MD: 73.65'  
TVD: 1.88°  
Inclin.: 2°  
Azim.: 58°

MD: 9,226'  
TVD: 7,671.54'  
Inclin.: 90.8°  
Azim.: 3.52°  
VS: 732.49'

MD: 9,316'  
TVD: 7,670.05'  
Inclin.: 91.1°  
Azim.: 3.42°  
VS: 822.4'

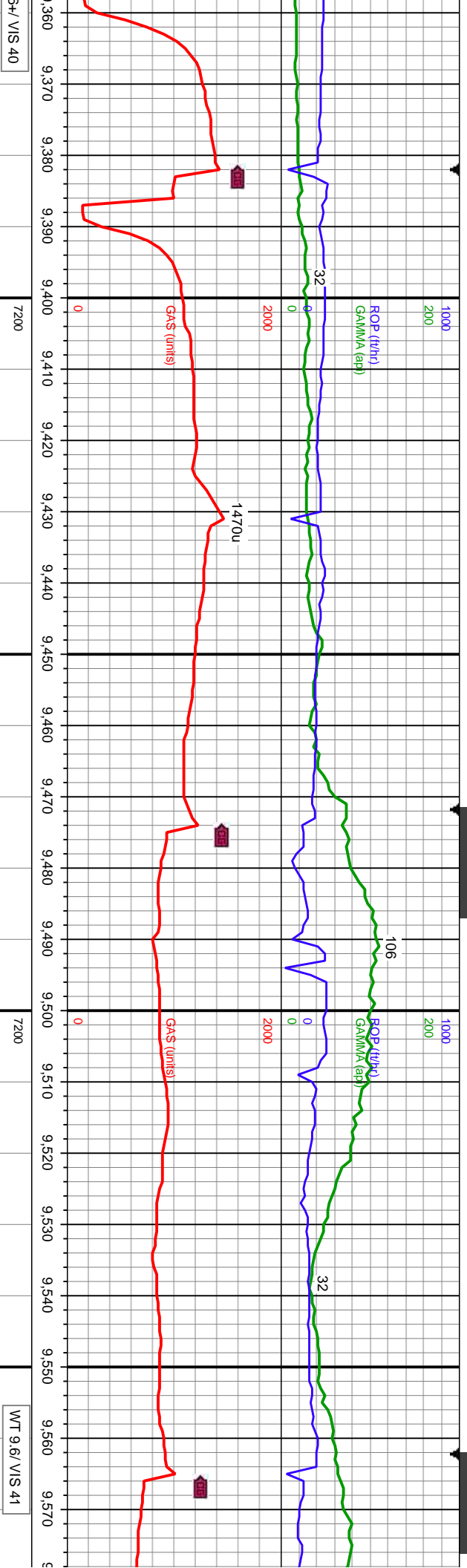
S: crm-lt gy-buff, crp-mcxl, frm-hrd, dns-sl  
lt-dk gy-dk gy brn, tr s&p, vf-f gr, frm-fri, sb  
dns w/ v sl calc cnt, p vis intrgrn por, nostc

9200'-9300' MD: 100% LS: crm-lt gy-buff, crp-mcxl, frm-hrd, dns-sl  
xln, sl-mod arg; TR- SS: lt-dk gy-dk gy brn, tr s&p, vf-f gr, frm-fri, sb  
rnd-sb ang, w srt, p cons w/ v sl calc cnt, p vis intrgrn por, nostc

9300'-9400' MD: 100% LS: crm-lt gy-buff, crp-mcxl, frm-hrd, dns-sl  
xln, sl-mod arg; TR- SS: lt-dk gy-dk gy brn, tr s&p, vf-f gr, frm-fri, sb  
rnd-sb ang, w srt, p cons w/ v sl calc cnt, p vis intrgrn por, nostc







WT 9.6/ VIS 41

MD: 9.405'  
TVD: 7.667.84'  
Inclin.: 91.75°  
Azim.: 3.7°  
VS: 911.3'

MD: 9.495'  
TVD: 7.664.96'  
Inclin.: 91.91°  
Azim.: 2.98°  
VS: 1,001.18'

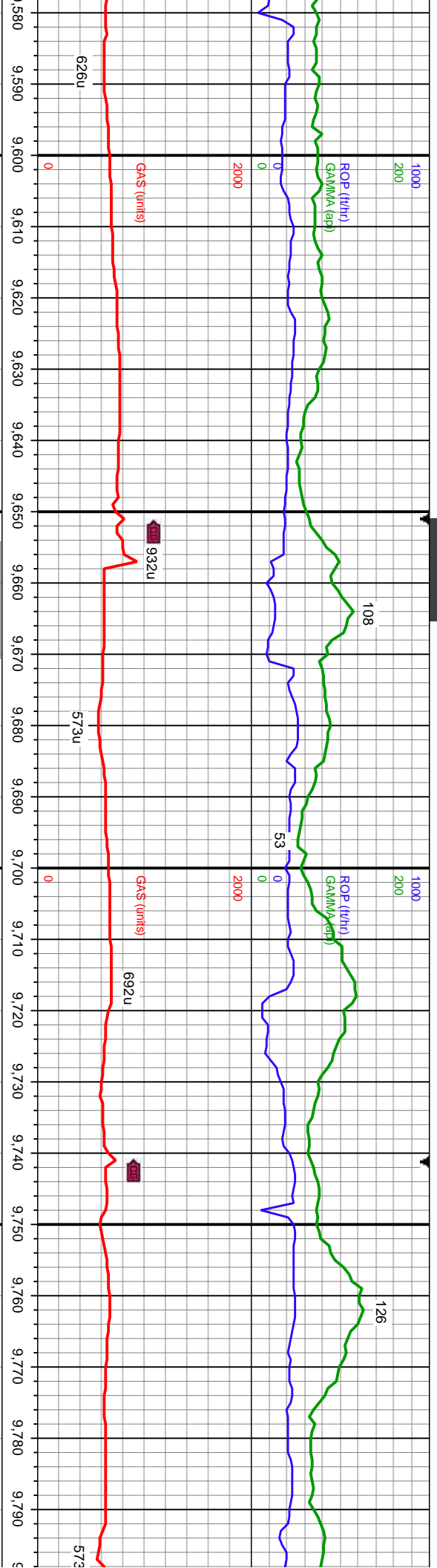
p-mcxl, frm-hrd, dns-sl  
tr s&p, v-f gr, frm-fri, sb  
p vis intgrn por, nostc

9,400'-9,500' MD: 80% LS: crm-lt gy-buff, crp-mcxl, frm-hrd,  
dns-sl xln, sl-mod arg; 20% MRLST: gy-dk gy/gy blk, sb  
biky-sb pily, mot-sily tex, v calc: v fnt bl flr blmg cut

9,500'-9,600' MD: 65% MRLST: gy-dk gy/gy blk, sb biky-sb  
pily, mot-sily tex, v calc: 35% LS: crm-lt gy-buff, crp-mcxl,  
frm-hrd, dns-sl xln, sl-mod arg; v fnt bl flr blmg cut







MD: 9,585'  
TVD: 7,662.69'  
Inclin.: 90.98°  
Azim.: 3.52°  
VS: 1,091.1'

MD: 9,675'  
TVD: 7,661.49'  
Inclin.: 90.55°  
Azim.: 3.03°  
VS: 1,181.03'

MD: 9,764'  
TVD: 7,660.26'  
Inclin.: 91.04°  
Azim.: 3.66°  
VS: 1,269.95'

9,600'-9,700' MD: 85% MRLST: gy-dk gy/gy blk, sb bky-sb  
ply, mot-sily tex, v calc, 15% LS: crm-lt gy-buff, cip-mexln,  
frm-hrd, dns-sl xln, sl-mod arg; v frt bl flor bling cut

9,700'-9,800' MD: 95% MRLST: gy-dk gy/gy blk, sb bky-sb  
ply, mot-sily tex, v calc, 5% LS: crm-lt gy-buff, cip-mexln,  
frm-hrd, dns-sl xln, sl-mod arg; v frt bl flor bling cut



3/17/15  
9831' MD

MINDEPTH

ROP (ft/hr)  
GAMMA (api)  
1000  
200  
0

ROP (ft/hr)  
GAMMA (api)  
1000  
200  
0

ROP (ft/hr)  
GAMMA (api)  
1000  
200  
0

ROP (ft/hr)  
GAMMA (api)  
1000  
200  
0

ROP (ft/hr)  
GAMMA (api)  
1000  
200  
0

WT 9.6

MD: 9,854'  
TVD: 7,659.25'  
Inclin.: 90.24°  
Azim.: 3.4°  
VS: 1,359.87'

MD: 9,944'  
TVD: 7,658.51'  
Inclin.: 90.7°  
Azim.: 3.4°  
VS: 1,449.8'

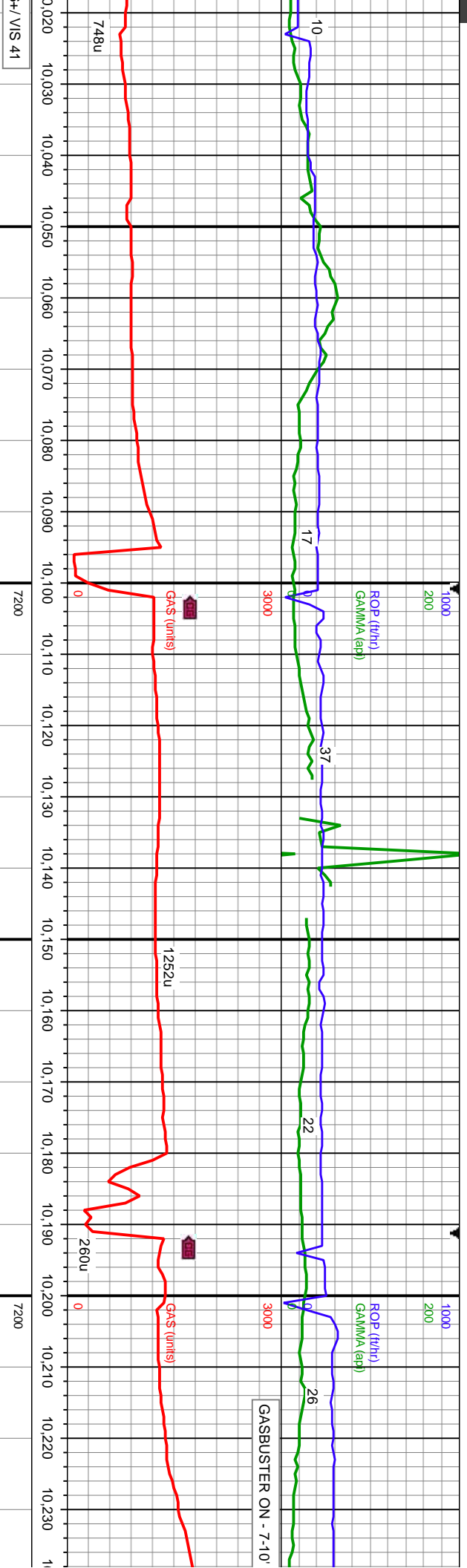
9,800'-9,900' MD: 100% MRLST: gy-dk gy/gy blk, sb blk-y-sb  
ply, mot-sily tex, v calc, TR LS: crm-lt gy-buff, cfp-mexln,  
frm-hrd, dns-sl xln, sl-mod arg; v fnt bl flor blmg cut

9,900'-10,000' MD: 100% MRLST: gy-dk gy/gy blk, sb blk-y-sb  
ply, mot-sily tex, v calc, TR LS: crm-lt gy-buff, cfp-mexln,  
frm-hrd, dns-sl xln, sl-mod arg; v fnt bl flor blmg cut

10.0  
mot  
xln,







MD: 10,034'  
TVD: 7,657.7'  
Inclin.: 90.33°  
Azim.: 2.62°  
VS: 1,539.75'

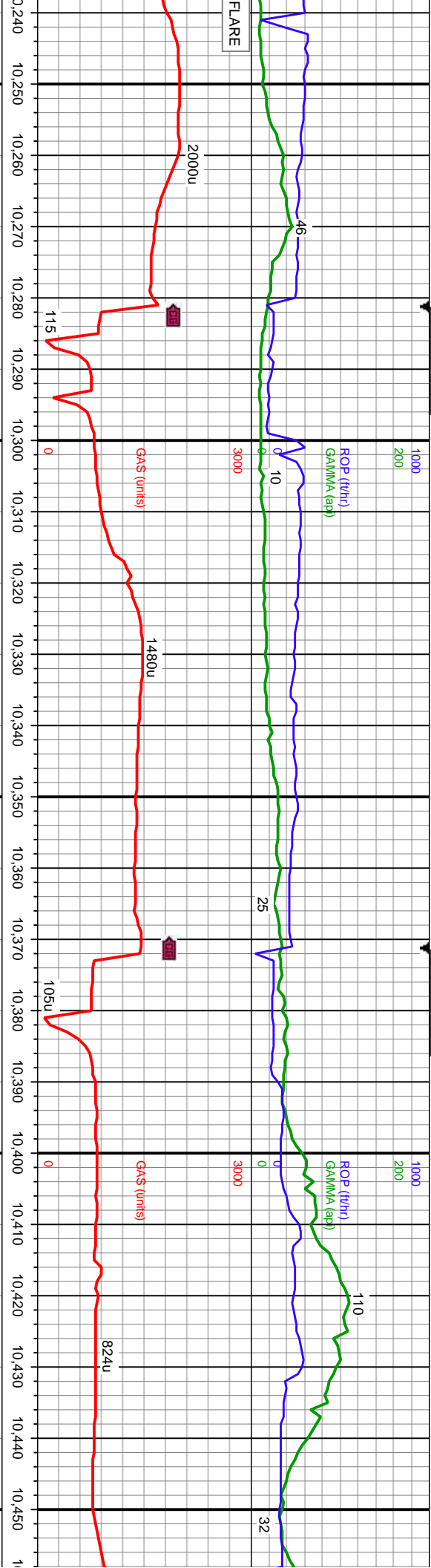
MD: 10,124'  
TVD: 7,656.43'  
Inclin.: 91.29°  
Azim.: 2.84°  
VS: 1,629.7'

MD: 10,214'  
TVD: 7,654.07'  
Inclin.: 91.72°  
Azim.: 2.49°  
VS: 1,719.64'

100'-10,100' MD: 50% MRLST: gy-dk gy/gy blk, sb blk-y-sb plty, silty tex, v calc; 50% LS: crm-lt gy-buff, cip-mexln, frm-hrd, dns-sl	8200
10,100'-10,200' MD: 100% LS: ofw/ht, crm-lt gy-bl, sb plty-plty, cyxln-mexln tex, frm-hrd, v calc; tr SH; tr STST; mod stmg w/ rr strgs, mod bri bl-gn cut, thk lt ylsngy sln/rng.	8200
10,200'-10,300' MD: cyxln-mexln tex, frm-rr strgs, mod bri bl-g	8200







WT IN 9.7/ OUT 9.7  
VIS IN 40/ OUT 40

MD: 10,304'  
TVD: 7,651.78'  
Inclin.: 91.19°  
Azim.: 1.95°  
VS: 1,809.6'

MD: 10,394'  
TVD: 7,650.22'  
Inclin.: 90.8°  
Azim.: 1.45°  
VS: 1,899.58'

100% LS: offwht, crm-lt gy-bf, sb ply-ply, hrd, v calc, tr SH; tr STST; mod sting wi in cut, thk lt ylsghy str/ring

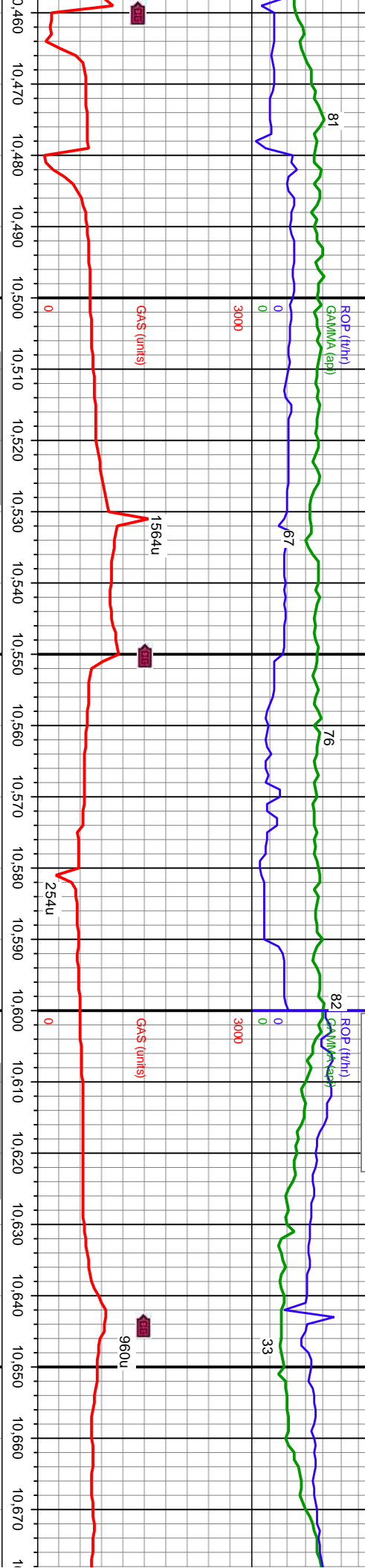
10,300'-10,400' MD: 90% LS: offwht, crm-lt gy-bf, sb ply-ply, cyxln-mcxln tex, frm-hrd, v calc: 10% SHY SLTST; lt gy-med gy, ply-sb-ply, med-v frm, silty-tr sdy; tr CHK: mod sting wi rr strgs, mod bri bl-gn cut, thk lt ylsghy str/ring

10,400'-10,500' MD: 85% LS: offwht, crm-lt gy-bf, v calc: 5% CHK: aa; tr MRLST; aa: 10% SHY SLTST; frm, silty-tr sdy; mod sting wi rr strgs, dul bl-gn cut



PUMP SWEEP

ROP SCALE CHANGE



MD: 10.484'  
TVD: 7.649.47'  
Inclin.: 90.15°  
Azim.: 1.28°  
VS: 1.989.56'

WT IN 9.6+ / OUT 9.6+  
VIS IN 41 / OUT 41

MD: 10.573'  
TVD: 7.650.25'  
Inclin.: 88.85°  
Azim.: 0.37°  
VS: 2.078.57'

WT IN 9.6 / OUT 9.6  
VIS IN 42 / OUT 42

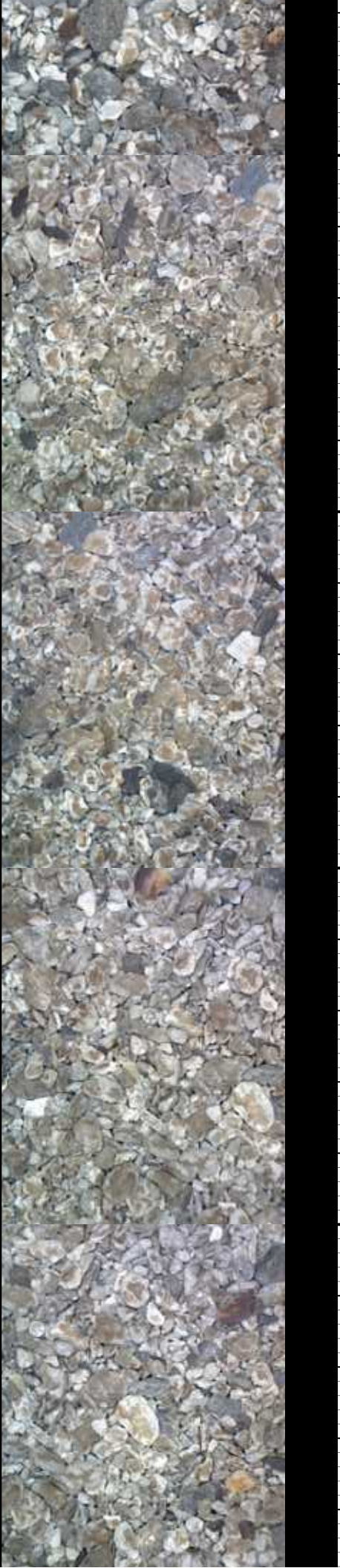
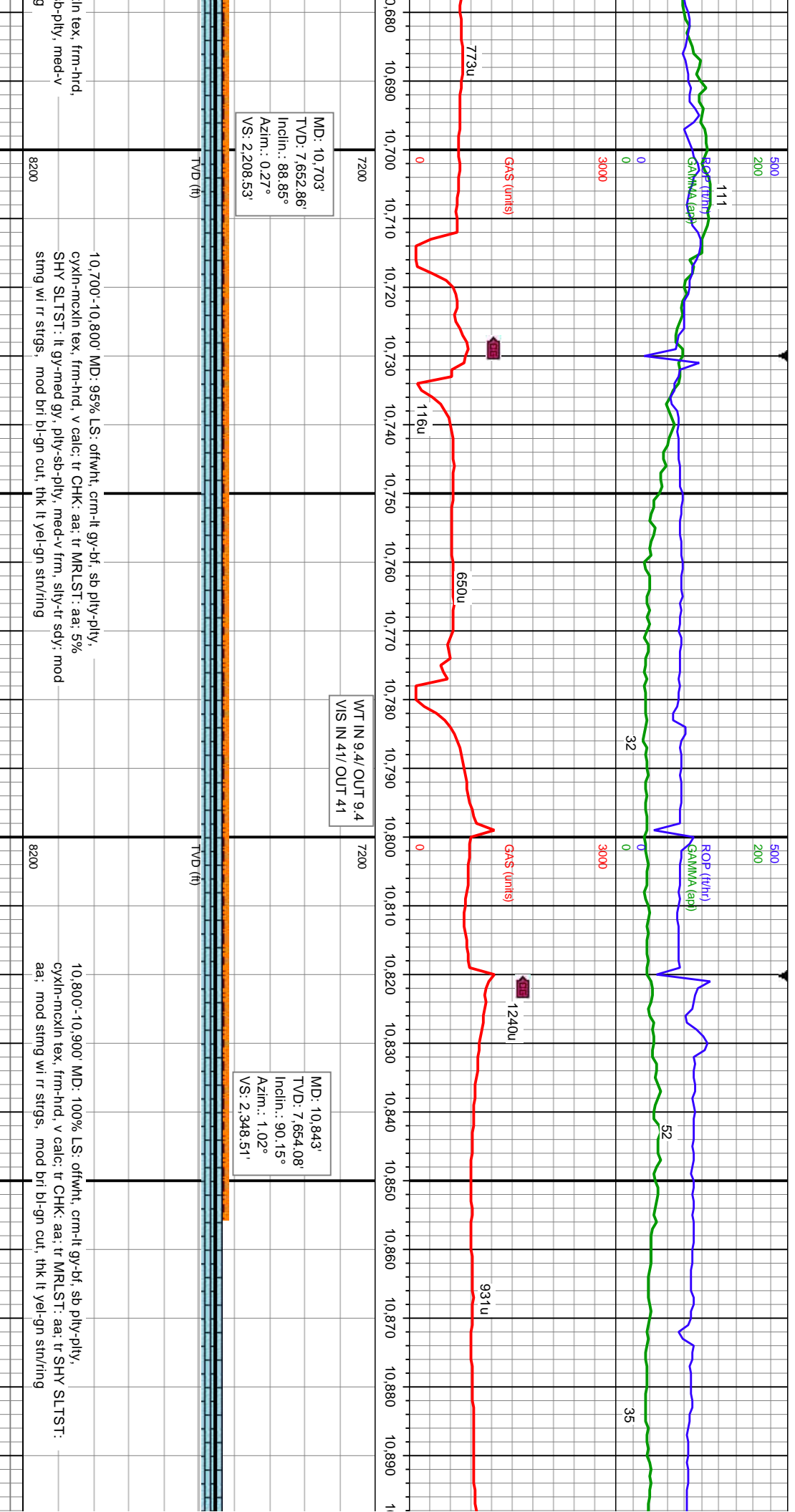
sb pily-plty, cyxln-mcxln tex, frm-hrd, v calc, 5% CHK: aa: tr MRLST: it gy-med gy, pily-sb-pily, med-v frm, silty-tr sdy: stmg wi rr strgs, dul bl-gn cut, thk it yishgy strn/rin

10.500'-10.600' MD: 85% LS: offwht, crm-it gy-bl, sb pily-plty, cyxln-mcxln tex, frm-hrd, v calc, 5% CHK: aa: tr MRLST: it gy-med gy, pily-sb-pily, med-v frm, silty-tr sdy: stmg wi rr strgs, dul bl-gn cut, thk it yishgy strn/rin

10.600'-10.700' MD: 85% LS: offwht, crm-it gy-bl, sb pily-plty, cyxln-mcxln tex, frm-hrd, v calc, 5% CHK: aa: tr MRLST: it gy-med gy, pily-sb-pily, med-v frm, silty-tr sdy: mod stmg wi rr strgs, dul bl-gn cut, thk it yishgy strn/rin

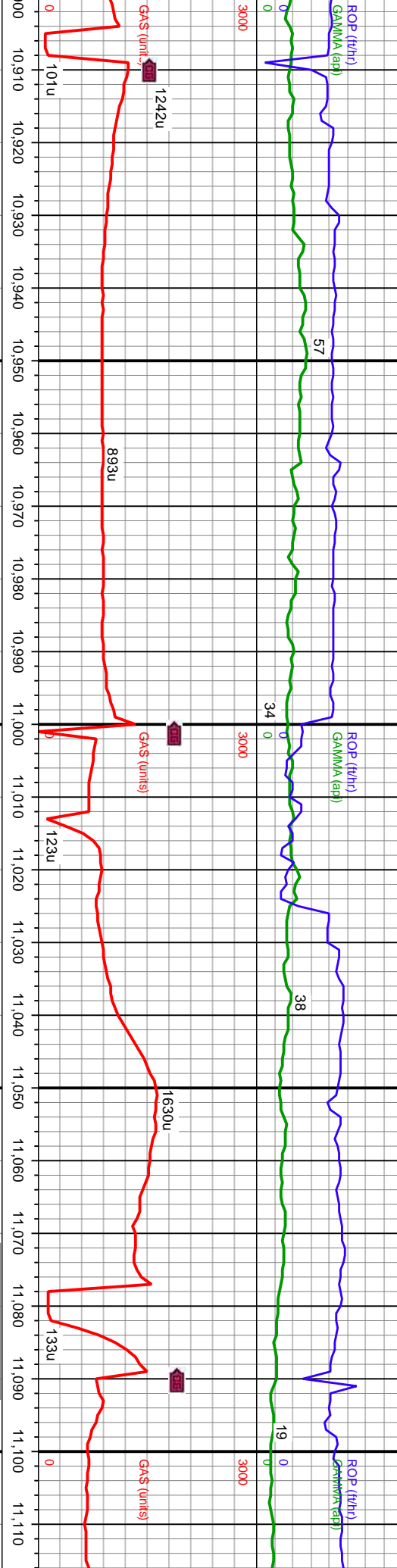
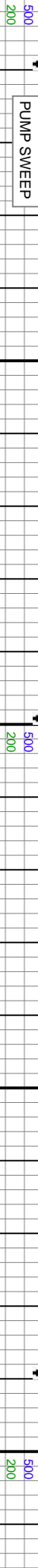








PUMP SWEEP



MD: 10.933'  
TVD: 7.653.6'  
Inclin.: 90.46°  
Azim.: 0.39°  
VS: 2.438.51'

WT IN 9.55/ OUT 9.55  
VIS IN 43/ OUT 43

MD: 11.022'  
TVD: 7.654.23'  
Inclin.: 88.73°  
Azim.: 1.11°  
VS: 2.527.5'

WT IN 9.55/ OUT 9.55  
VIS IN 43/ OUT 43

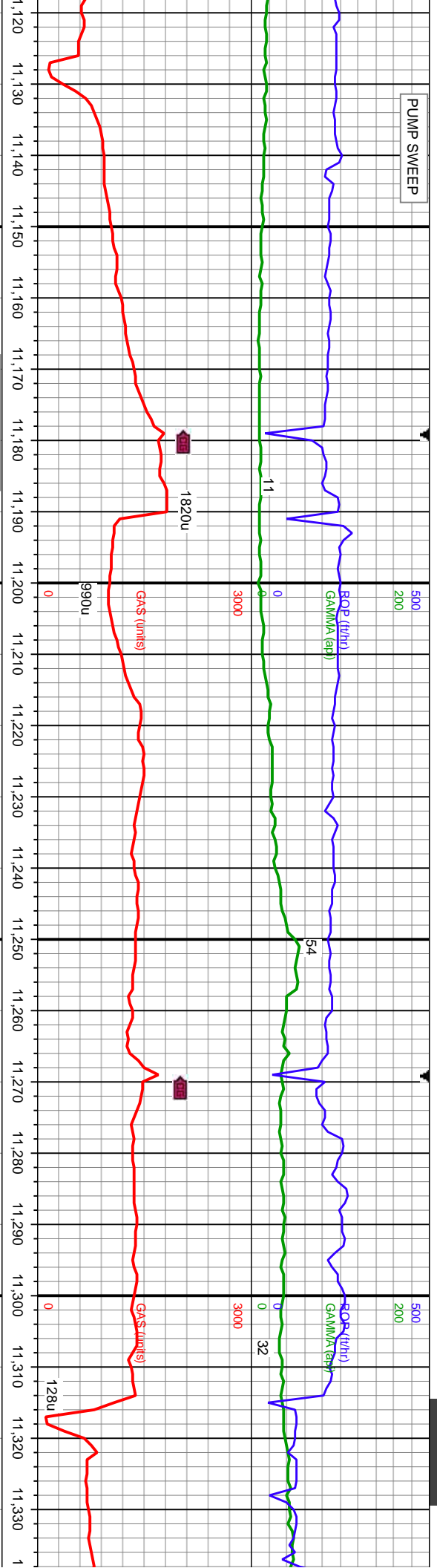
MD: 11.112'  
TVD: 7.656.01'  
Inclin.: 89.01°  
Azim.: 0.5°  
VS: 2.617.48'

10.900'-11.000' MD: 100% LS: offwht, crm-lt gy-bl, sb plty-plty,  
cylxn-mcxlh tex, frm-hrd, v calc; tr CHK: aa; tr MRLST: aa; tr SHY  
SLTST: aa; sting w/ occ strgs, mod brl bl-gn cut, thn lt yel-gn str/ring

11.000'-11.100' MD: 100% LS: offwht, crm-lt gy-bl, sb plty-plty,  
cylxn-mcxlh tex, frm-hrd, v calc; tr CHK: aa; tr MRLST: aa; tr SHY  
SLTST: aa; sting w/ occ strgs, mod brl bl-gn cut, thn lt yel-gn str/ring



PUMP SWEEP



WT IN 9.5/ OUT 9.5  
VIS IN 43/ OUT 43

MD: 11,202'  
TVD: 7,657.15'  
Inclin.: 89.53°  
Azim.: 0.74°  
VS: 2,707.47'

TVD (ft)

11,100'-11,200' MD: 100% LS: offwhit, crm-lt gy-bf, sb pily-pily, cyxlin-mcxlin tex, frm-hrd, v calc; tr CHK: aa, tr MRLST: aa; tr SHY SLTST: aa; sting w/ occ strgs, mod bri bl-gn cut, thn lt yel-gn stn/ring

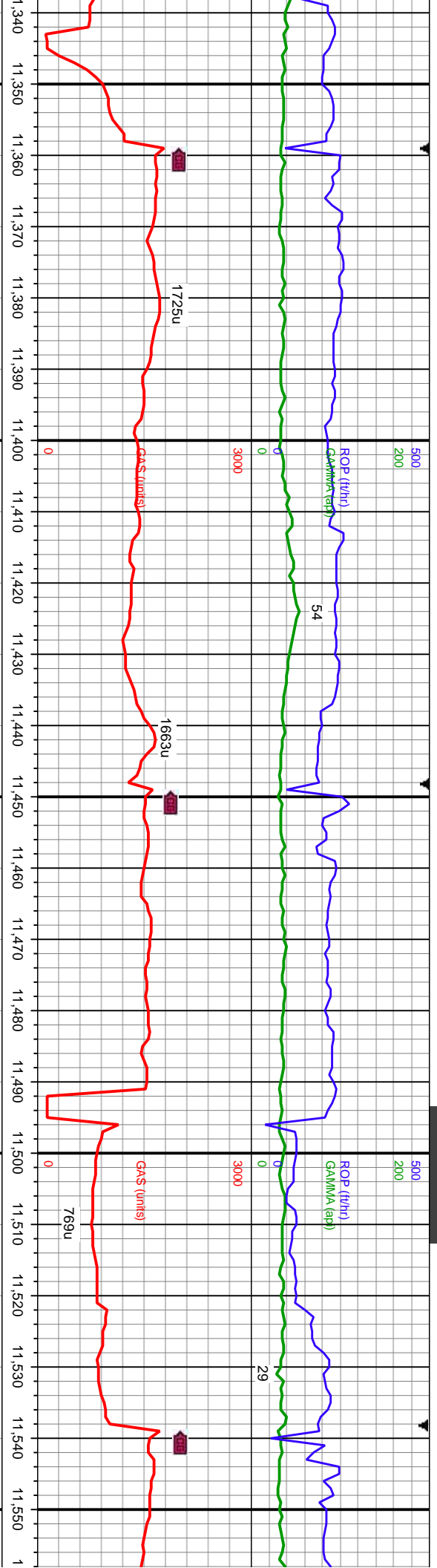
11,200'-11,300' MD: 100% LS: offwhit, crm-lt gy-bf, sb pily-pily, cyxlin-mcxlin tex, frm-hrd, v calc; tr CHK: aa; tr MRLST: aa; tr SHY SLTST: aa; sting w/ occ strgs, mod bri bl-gn cut, thn lt yel-gn stn/ring

11,300'-11,400' MD: 100% LS: offwhit, crm-lt gy-bf, sb pily-pily, cyxlin-mcxlin tex, frm-hrd, v calc; tr CHK: aa; tr MRLST: aa; tr SHY SLTST: aa; sting w/ occ strgs, mod bri bl-gn cut, thn lt yel-gn stn/ring

TVD (ft)







MD: 11,382'  
TVD: 7,657.17'  
Inclin.: 90.46°  
Azim.: 359.91°  
VS: 2,887.44'

TVD (ft)

11,340-11,350' MD: 100% LS: crn-lt gy-buff, cpr-mckh, sl-mod arg; sl tr lt bl flwr w/ slw halo cut

8200

11,400-11,500' MD: 100% LS: crn-lt gy-buff, cpr-mckh, frm-hrd, dns-sl xln, sl-mod arg; sl tr lt bl flwr w/ slw halo cut

8200

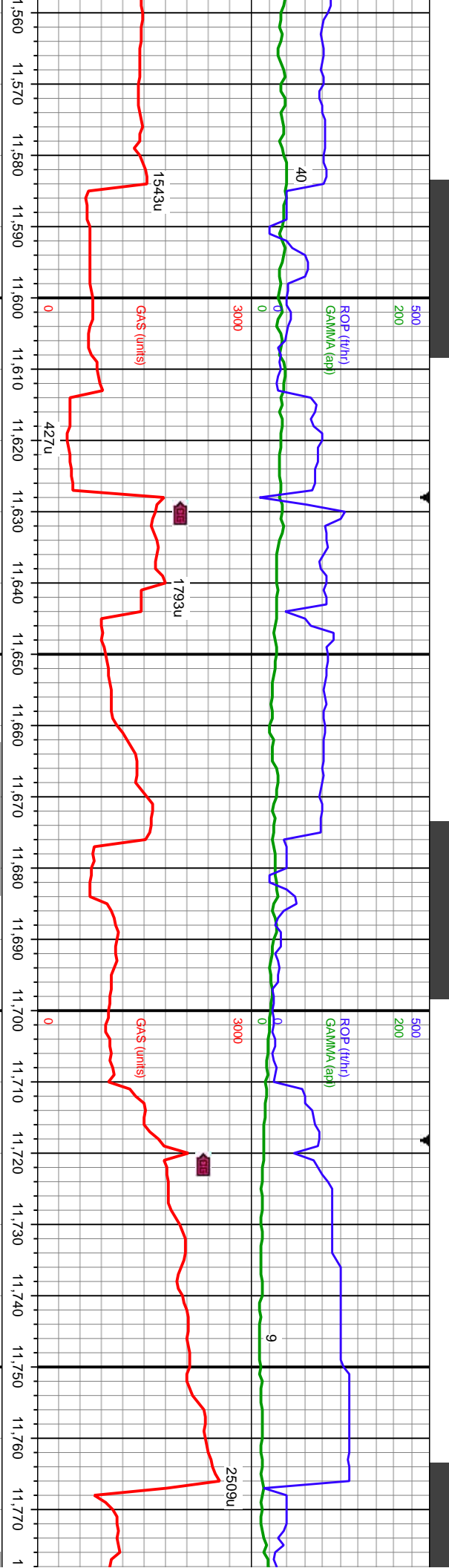
11,500-11,600' MD: 100% LS: crn-lt gy-buff, cpr-mckh, frm-hrd, dns-sl xln, sl-mod arg; sl tr lt bl flwr w/ slw halo cut

WT 9.5/ VIS 46

MD: 11,550'  
TVD: 7,657.17'  
Inclin.: 90.46°  
Azim.: 359.91°  
VS: 3,117.44'

TVD (ft)





MD: 11,651'  
TVD: 7,654.43'  
Inclin.: 90.76°  
Azim.: 359.8°  
VS: 3,156.32'

MD: 11,651'  
TVD: 7,654.43'  
Inclin.: 90.3°  
Azim.: 358.31°  
VS: 3,156.32'

WT IN 9.75/ OUT 9.75  
VIS IN 47/ OUT 47

MD: 11,741'  
TVD: 7,654.54'  
Inclin.: 89.56°  
Azim.: 357.42°  
VS: 3,246.17'

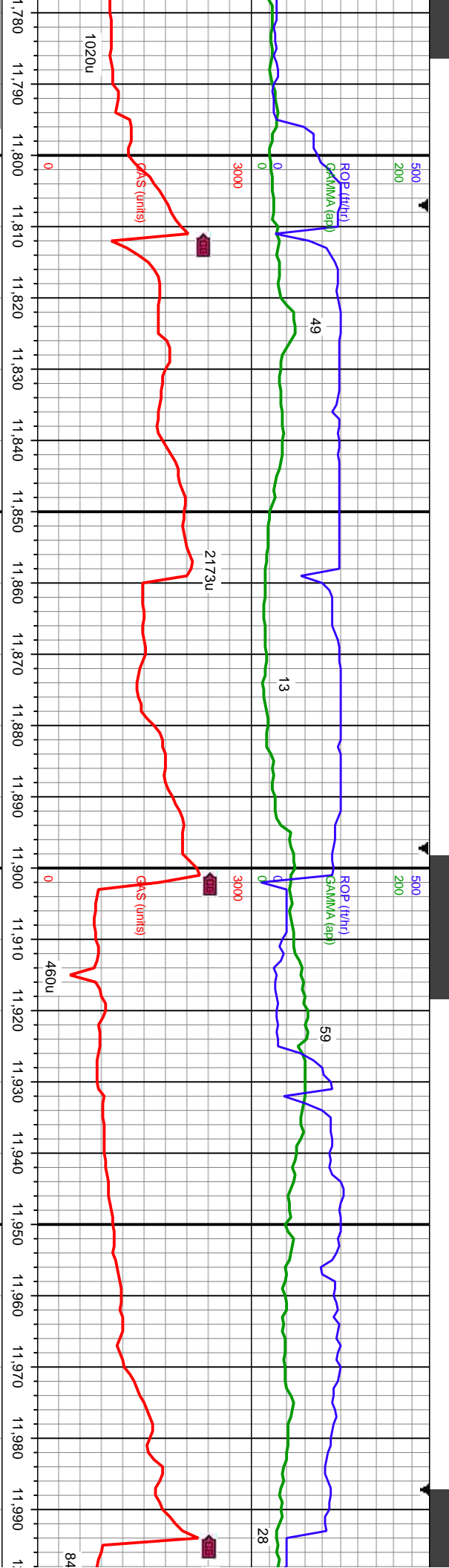


11,600'-11,700' MD: 100% LS: crm-lt gy-buff, crp-mcxln, —  
flor w/ slw halo cut

11,700'-11,800' MD: 100% LS: crm-lt gy-buff, crp-mcxln, —  
flor w/ slw halo cut

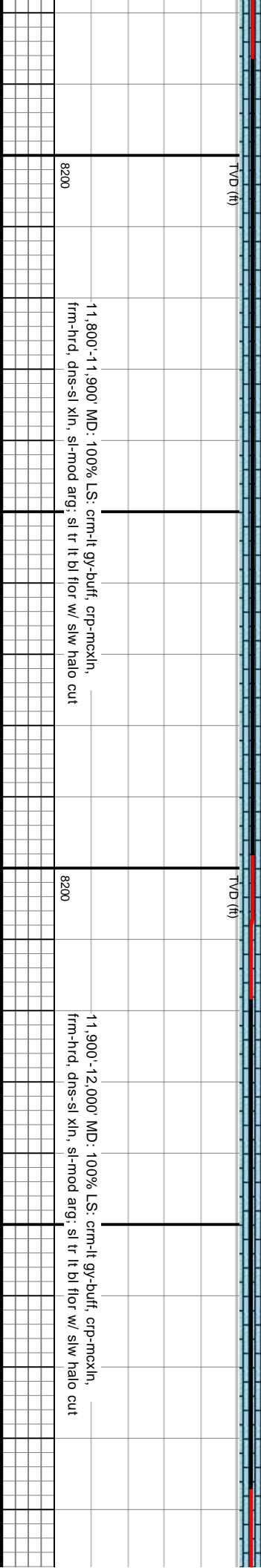






WT IN 9.75/ OUT 9.75  
VS IN 47/ OUT 47

MD: 11.831'  
TVD: 7.656.8'  
Inclin.: 87.56°  
Azim.: 356.91°  
VS: 3.335.91'



11,800'-11,900' MD: 100% LS: crm-lt gy-buff, crp-mexln, frm-hrd, dns-sl xln, sl-mod arg; sl tr lt bl flwr w/ slw halo cut

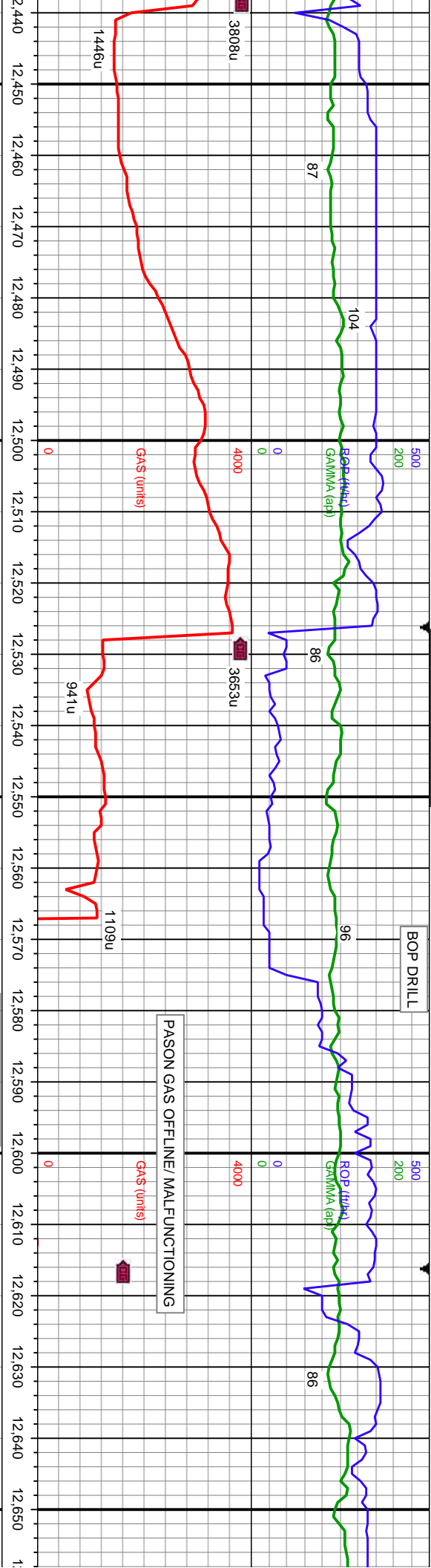
11,900'-12,000' MD: 100% LS: crm-lt gy-buff, crp-mexln, frm-hrd, dns-sl xln, sl-mod arg; sl tr lt bl flwr w/ slw halo cut











MD: 12,459'  
TVD: 7,670.77'  
Inclin.: 87.01°  
Azim.: 0.68°  
VS: 3,963.32'

7200 WT IN 9.7/ OUT 9.7  
VIS IN 49/ OUT 49

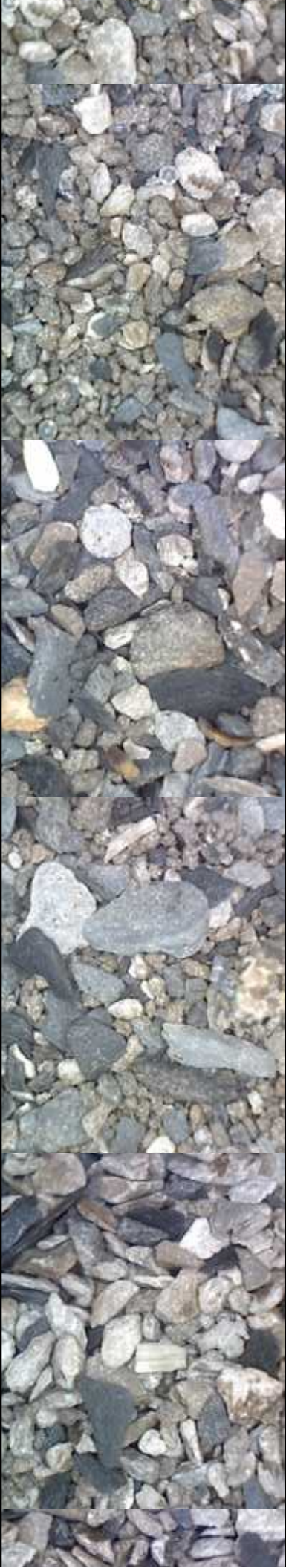
MD: 12,549'  
TVD: 7,674.79'  
Inclin.: 87.87°  
Azim.: 0.21°  
VS: 4,053.22'

7200 WT IN 9.7+/ OUT 9.7+  
VIS IN 52/ OUT 52

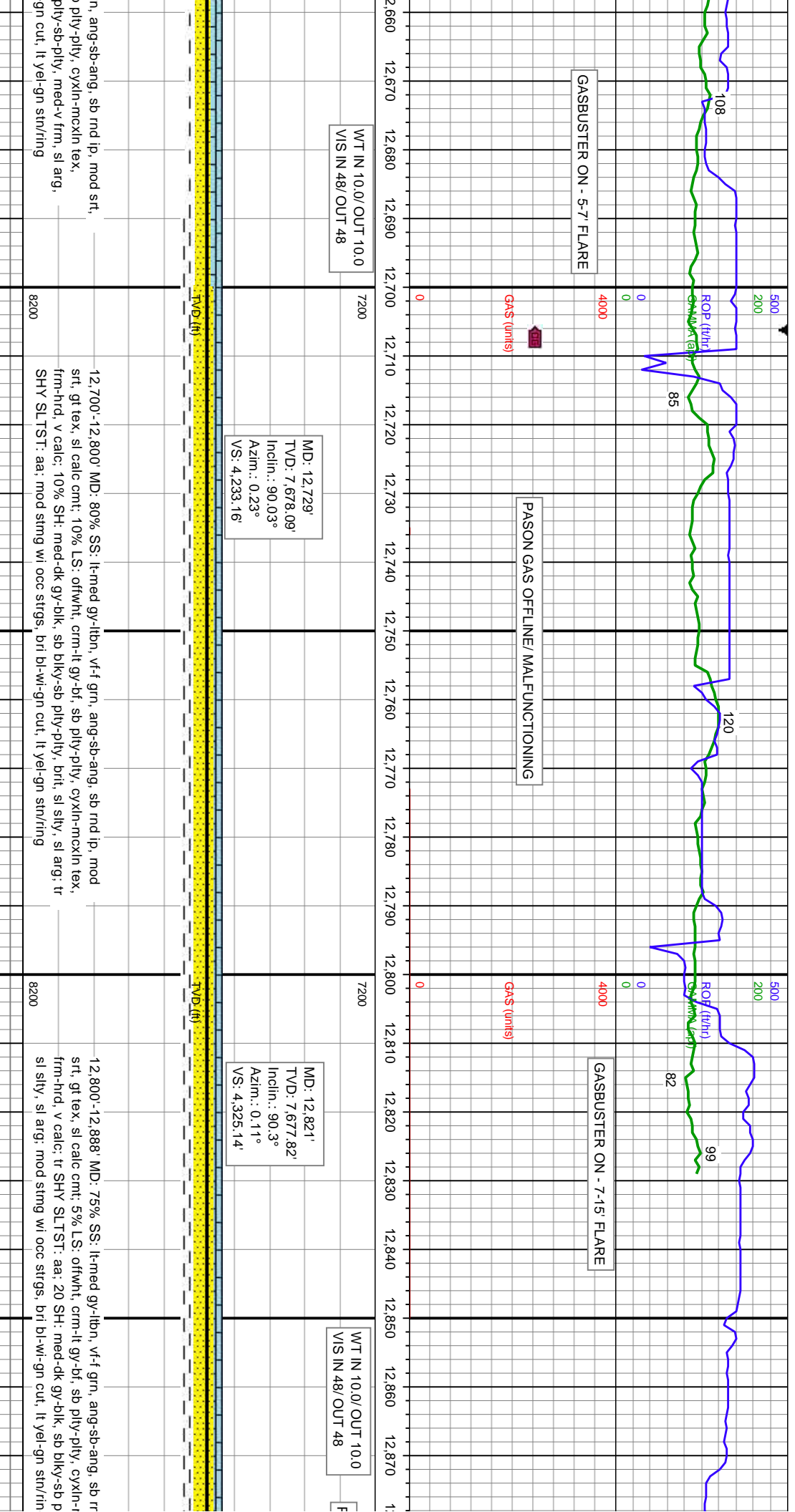
90% SS: lt-med gy-lbn, vf-f grn, ang-sb-ang, it tex, sl calc cmt; 10% LS: ofwht, crm-lt gyxln-mcxln tex, frm-hrd, v calc; tr SHY SLTST: c strgs, bri bl-wi-gn cut, lt yel-gn str/ring

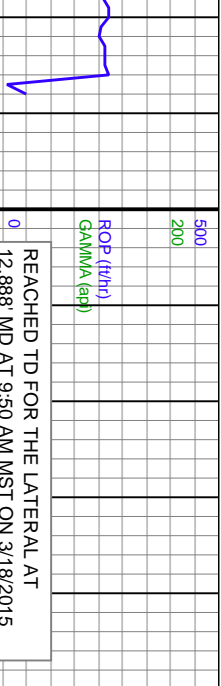
12,500'-12,600' MD: 80% SS: lt-med gy-lbn, vf-f grn, ang-sb-ang, sb rnd lp, mod srt, gt tex, sl calc cmt; 10% LS: ofwht, crm-lt gy-bt, sb ply-ply, cyxln-mcxln tex, frm-hrd, v calc; 10% SHY SLTST: lt gy-med bl-gy, ply-sb-ply, med-v frm, sl arg, slty-tr sdy; mod stmg wi occ strgs, bri bl-wi-gn cut, lt yel-gn str/ring

12,600'-12,700' MD: 50% SS: lt-med gy-lbn, vf-f grn, gt tex, sl calc cmt; 40% LS: ofwht, crm-lt gy-bt, sb frm-hrd, v calc; 10% SHY SLTST: lt gy-med bl-gy, slty-tr sdy; tr SH, mod stmg wi occ strgs, bri bl-wi-

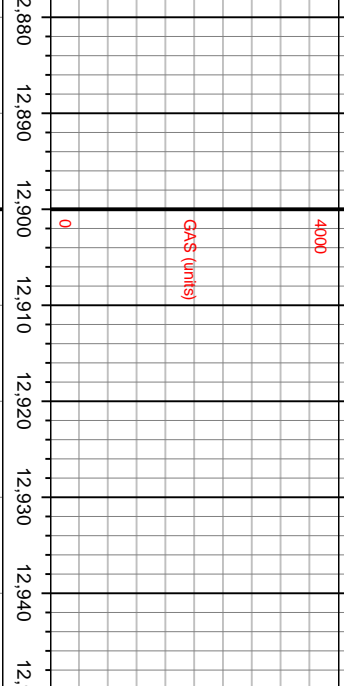








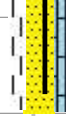
REACHED TD FOR THE LATERAL AT  
12,888' MD AT 9:50 AM MST ON 3/18/2015



PROJECTION TO BIT

MD: 12,888'  
TVD: 7,677.47'  
Inclin.: 90.3°  
Azim.: 0.11°  
VS: 4,392.13'

THANK YOU FOR CHOOSING  
DECOLEMENT CONSULTING INC.  
WE APPRECIATE YOUR BUSINESS.



TVD (ft)

id ip, mod  
mexlin tex,  
ity-pty, brit,  
g

8200

