



Scale: 5" / 100'
Measured Depth Log

Well Name Anschutz State 4-62-2-3228 BH2 Horiz

Location SWNW S2-T4N-R62W

State CO

Country USA

API Number 05-123-38962

Region DJ Basin

Spud Date 5/13/2014

Surface Coordinates SWNW Sec 2-T4N-R62W
1629' FNL 250' FWL

Bottom Hole Coordinates Projected
SWNE Sec 1-T4N-R62W
2210' FNL 2470' FEL

County Weld

Rig Number Nabors M22

AFE # 18749D

Field Wildcat

Drilling Completed 5/24/2014

Ground Elevation 4544'

Logged Interval 5600' To 12684'

Formation Niobrara B Chalk

Type of Drilling Fluid LSND

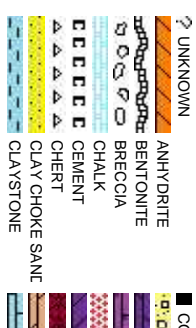
K.B. Elevation 4566'

Total Depth 12684'

Company Bill Barret Corp
Address 1099 18th Street
Denver, CO 80202

Name Scott Hampton
Company Bill Barrett Corp
Address 1099 18th Street
Denver, CO 80202

Charles Trodick Senior Vice President
Mark Raimo Wellsite Supervisor
Elizabeth Storey Senior Vice President



Operator

et, Suite 2300

202

Geologist

Corporation

at, Suite 2300
202

Other

Wellsite Geologist

Geologist





























































Wellsite Geologist

Rock Types

Symbol	Rock Name	Symbol	Rock Name
	DAL		TR
	CONGLOMERATE		MARLSTONE
	DOLOMITE		METAMORPHIC
	DOLOMITIC LIMESTONE		NO SAMPLE
	GRANITE		SALT
	GYPSUM		SANDSTONE
	IGNEOUS		SALT-PEPPER SAND
	SIDERITE or LIMONITE		SHALE
	LIMESTONE		SHALE COLORED
			SHALE GRAY
			SHALY SANDSTONE
			SHALY SILTSTONE
			SILTY SHALE
			SILTSTONE
			TILL
			TUFF
			WELDED TUFF

Accessories

Fossils

Fossils	 GASTROPOD	 ARGILLITE GRAIN	 HEAVY MINERAL
	 INOCERAMUS	B BENTONITE	K KAOLIN
	 OOLITE	 BITUMINOUS SUBSTANCE	M MARCASITE
 ALGAE	 OSTRACOD	 BRECCIA FRAGMENTS	T MARLSTONE
 AMPHIPORA	 PELITE	 CALCAREOUS	 MICACEOUS
 BELEMNITE	 PELITE	 CARBONACEOUS FLAKES	 MINERAL CRYSTALS
 BIOCLASTIC	 PISOLITE	 CHERT	 NODULES
 BRACHIOPOD	 PLANT REMAINS	 CHERT	 PHOSPHATE PELLETS
 BRYOZOA	 PLANT SPORES	 COAL - THIN BEDS	 PYRITE
 CEPHALOPOD	 SCLEROPHOPOD	 DOLOMITIC	 SALT CAST
 CORAL	 STROMATOPOROID	 FELDSPAR	 SANDY
 CRINOID		 FERRUGINOUS PELLET	 SIDERITE
 FISH		 FERRUGINOUS	 SILTY
 FORAMINIFERA			 TUFFACEOUS
 FOSSIL	 ANHYDRITIC	 GYPSIFEROUS	
	Minerals		Stringer
		 SCLEROUS	 ANHYDRITE STRINGER
			 BENTONITE STRINGER
			 COAL STRINGER
			 DOLOMITE STRINGER
			 GYPSUM STRINGER
			 LIMESTONE STRINGER
			 MARLSTONE (CALC) STRINGER
			 MARLSTONE (DOL) STRINGER
			 SANDSTONE STRINGER
			 SHALE STRINGER
			 SILTSTONE STRINGER

Other Symbols

Oil Show

P	PINPOINT	DST INTERVAL	WIRELINE TESTED - LEFT	E EARTHY
V	VUGGY	FAULT	WIRELINE TESTED - RT	F FINELY LINED

Engineering

 EVEN
 QUESTIONABLE
 BIT
 GAS SHOW
 OIL SHOW
 MIN DEPTH
 L LITHOGRAPHIC
 M MICROXIN

Rounding

Spotting

SPOTTED STAINING CONNECTION (UP)

Depth

MN DEPTH UP

Rounding

MJS MUDSTONE

Porosity

Porosity		MINDEPTH (DOWN)		MINDEPTH (DOWN)		MINDEPTH (DOWN)	
CONNECTION GAS	CONNECTION GAS (LEFT)	NORMAL FAULT	OVERTURNED STRATA	REVERSE FAULT	ANGULAR	ROUND	PACKSTONE
E EARTHY	TRIP GAS	CONNECTION GAS	CONNECTION GAS (LEFT)	REVERSE FAULT	ANGULAR	ROUND	PACKSTONE
FENESTRAL		CONNECTION GAS	CONNECTION GAS (LEFT)	REVERSE FAULT	ANGULAR	ROUND	PACKSTONE

Sorting

Textures

✕ INTERCRYSTALLINE	DOWN TIME GAS	SIDEWALL CORE (LEFT)	P POOR
⬇️ DOWN TIME GAS (LEFT)	SIDEWALL CORE (RIGHT)	BS BOUNDSTONE	W WELL
⬇️ DOWN TIME GAS (LEFT)	SLIDE	CHALKY	
⬇️ CORE - LOST	SURVEY	CRYPTOXLN	
⬇️ CORE - RECOVERED			
ORGANIC			
MOLDIC			
INTERCOOLITIC			

Slide/Rotate

Columbine Logging 2-Manned
Geosteering Operational 5/16/2014
Bloodhound # 311

ROP
ROF
GAMMA

Log continues from
Anshutz 4-62-2-3228 BH2

Total Gas & Chromatograph

GAS
C1
C2
C3
C4

Depth Labels

% Lith

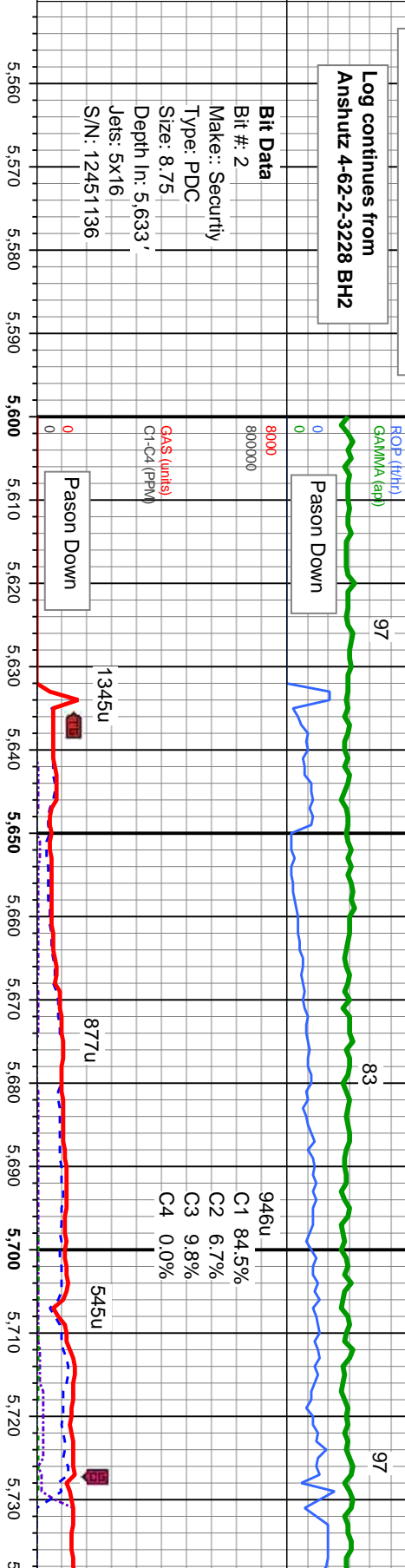
Well Bore
TVD

Oil Show

EGMFTST

Images

In/Out Mud Wt: 10.1/10.2 Vis 38/40



Pason Down

MD: 5,620'
TVD: 5,572.44'
Inclination: 2.1 °
Azimuth: 60.8 °
VS: -210.98'

MD: 5,667'
TVD: 5,619.36'
Inclination: 4.4 °
Azimuth: 76.3 °
VS: -208.46'

MD: 5,715'
TVD: 5,666.94'
Inclination: 10.5 °
Azimuth: 90.1 °
VS: -202.29'

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pty -
sb blkly, rthy tex, vf occ f-med gr, w srt, non calc;
SLTY SH: med - dk gy, sft - frm, sb pty - sb blkly,
wxy tex, non calc, tr ss

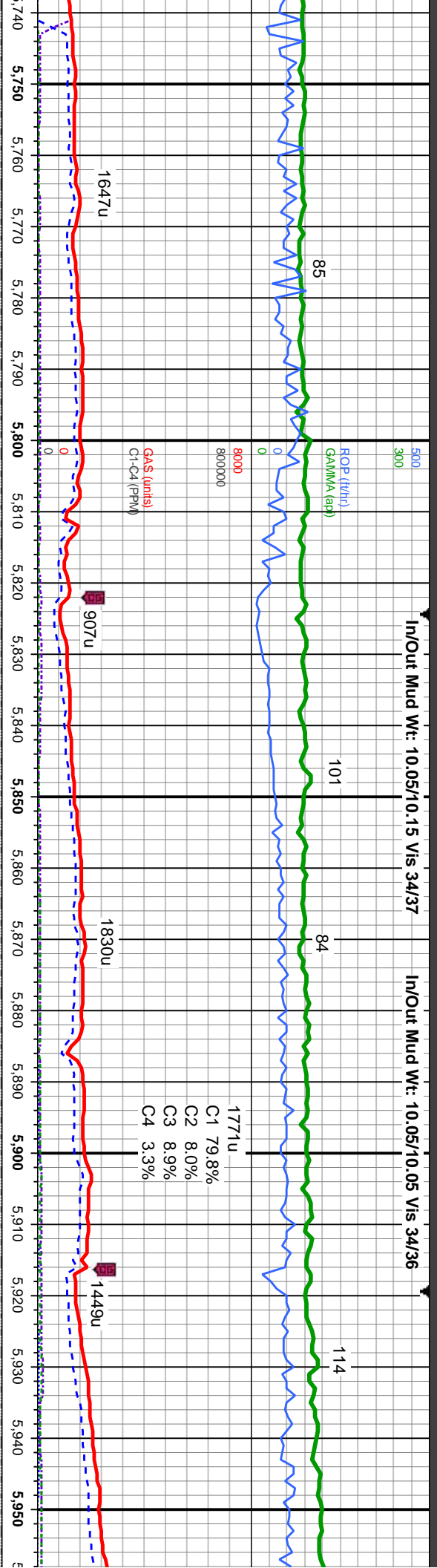
SHY SLTST: lt - med gy, gy brn, mod frm, sb-pty -
sb blkly, rthy tex, vf occ f-med gr, w srt, non calc;
SLTY SH: med - dk gy, sft - frm, sb pty - sb blkly,
wxy tex, non calc, tr ss

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pty -
sb blkly, rthy tex, vf occ f-med gr, w srt, no
SLTY SH: med - dk gy, sft - frm, sb pty - sb blkly,
wxy tex, non calc, tr ss



In/Out Mud Wt: 10.05/10.15 Vis 34/37

In/Out Mud Wt: 10.05/10.05 Vis 34/36



MD: 5.856'
TVD: 5.801.63'
Inclination: 23.5 °
Azimuth: 92.7 °
VS: -161.62'

MD: 5.904'
TVD: 5.843.97'
Inclination: 32.5 °
Azimuth: 93.4 °
VS: -139.16'

MD: 5.952'
TVD: 5.882.26'
Inclination: 41.5
Azimuth: 93.4 °
VS: -110.39'

MD: 5.762'
TVD: 5.712.78'
Inclination: 14.9 °
Azimuth: 92.3 °
VS: -191.97'

MD: 5.809'
TVD: 5.757.78'
Inclination: 18.6 °
Azimuth: 93.2 °
VS: -178.46'

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pily -
sb blkly, rthy tex, vf occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pily - sb blkly,
wxy tex, non calc, tr ss

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pily -
sb blkly, rthy tex, vf occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pily - sb blkly,
wxy tex, non calc, tr ss

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pily -
sb blkly, rthy tex, vf occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pily - sb blkly,
wxy tex, non calc, tr ss

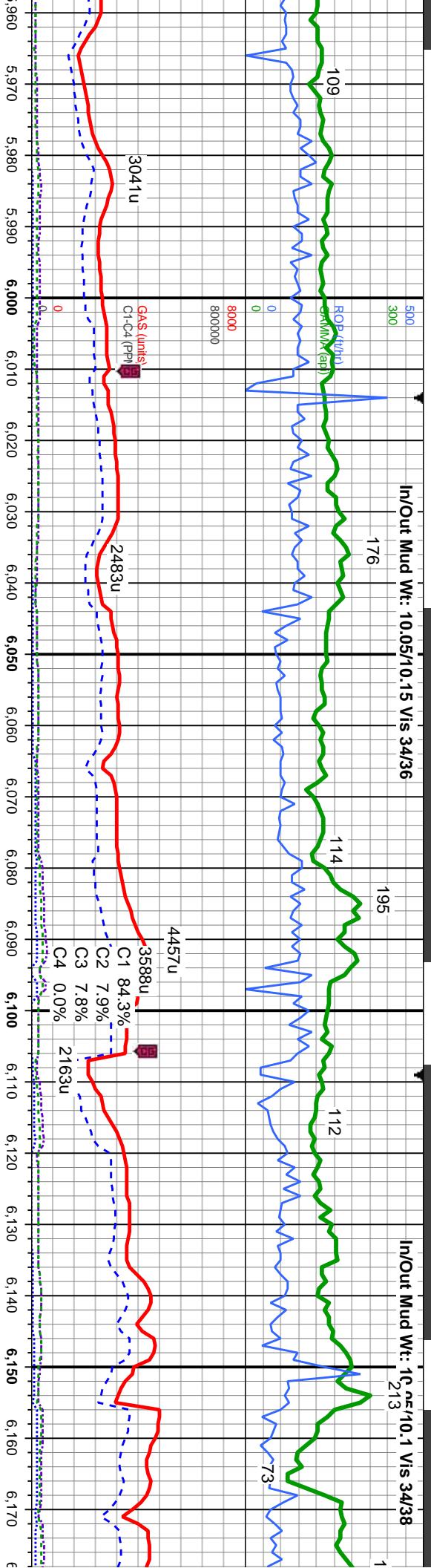
SHY SLTST: lt - med gy, gy brn, mod frm, sb-pily -
sb blkly, rthy tex, vf occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pily - sb blkly,
wxy tex, non calc, tr ss

SHY SLTST: lt - med gy, gy brn, mod frm, sb-pily -
sb blkly, rthy tex, vf occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pily - sb blkly,
wxy tex, non calc, tr ss



In/Out Mud Wt: 10.05/10.15 Vis 34/36

In/Out Mud Wt: 10.05/10.1 Vis 34/38



SHY SLT ST: It - med gy, gy brn, mod frm, sb-pty -
sb blk, rthy tex, v f occ f-med gr, w srl, non calc;
SLTY SH: med - dk gy, sft - frm, sb pty - sb blk,
wxy tex, non calc, tr ss

SLTY SH: dk gy, blk, some brn-gy, sft-mod sft,
p-mod ind, fri-brt, fis, some sl bnd, sb pty-pty
CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb
pty-blk, v calc, crptxl, intbd w/marl, v tr bent
MARL: It-dk gy, sft, sft-v sft, sb pty-pty, fri-brt, sil,
v f gm, tr v f dissim pyr

CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb
pty-blk, v calc, crptxl, intbd w/marl, v tr bent
MARL: med-dk gy, sft, mod sft-frm, sb blk-pty, fri-
brt, sil, calc, tr v f dissim pyr

CHK: It-med gy, some brn-red,
pty-blk, v calc, crptxl, intbd w
MARL: med-dk gy, sft, mod sft
brt, sil, calc, dissim pyr

MD: 5.999'
TVD: 5.916.97'
Inclination: 43.3°
Azimuth: 92.8°
VS: -78.78'

MD: 6.046'
TVD: 5.951.12'
Inclination: 43.5°
Azimuth: 91.7°
VS: -46.54'

MD: 6.093'
TVD: 5.983.12'
Inclination: 50.6°
Azimuth: 89.9°
VS: -12.18'

MD: 6.141'
TVD: 6.011.97'
Inclination: 55.5°
Azimuth: 89.4°
VS: 26.17'

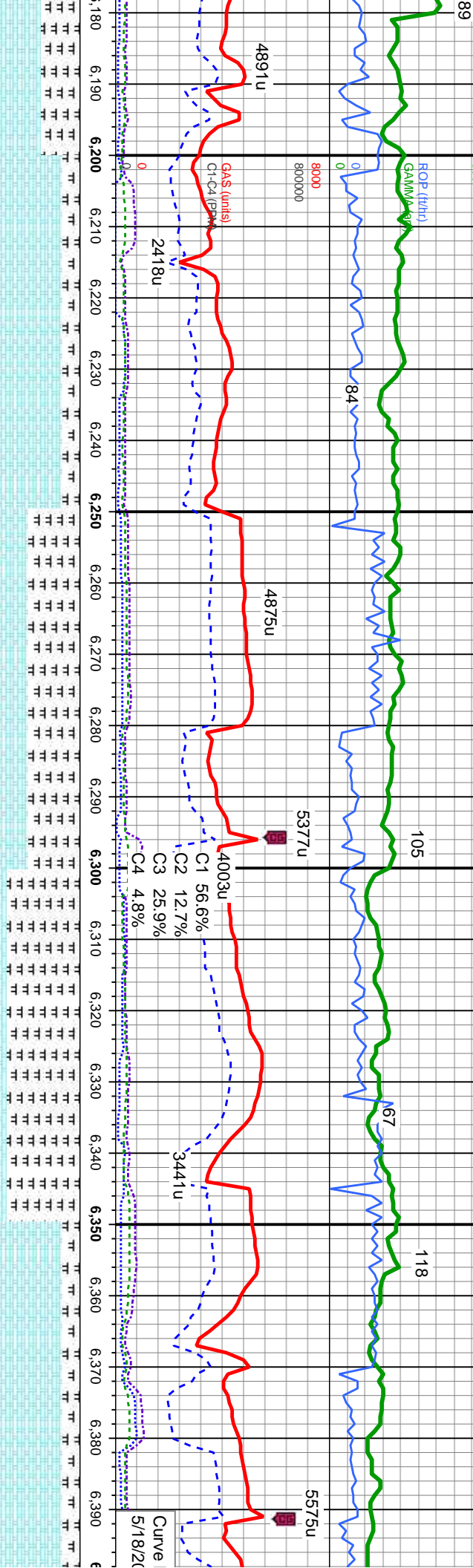
ST: It - med gy, gy brn, mod frm, sb-pty -
rthy tex, v f occ f-med gr, w srl, non calc;
It - med - dk gy, sft - frm, sb pty - sb blk,
non calc, tr ss

6150

Logger Top Niobrara
6082' MD/5975.63' TVD



In/Out Mud Wt: 10.05/10 Vis 34/33



lam, mot, v sft-sft, sb
ply-biky, v tr bent
MARL: med-dk gy, stri, mod sft-frn, sb biky-pty, fri-
brit, sil, calc, tr vf dissn pyr

MD: 6.188'
TVD: 6.036.26'
Inclination: 62.2 °
Azimuth: 89.5°
VS: 66.37'

MD: 6.236'
TVD: 6.056'
Inclination: 69.2 °
Azimuth: 89.6°
VS: 110.09'

MD: 6.283'
TVD: 6.071.23'
Inclination: 73 °
Azimuth: 89.4°
VS: 154.54'

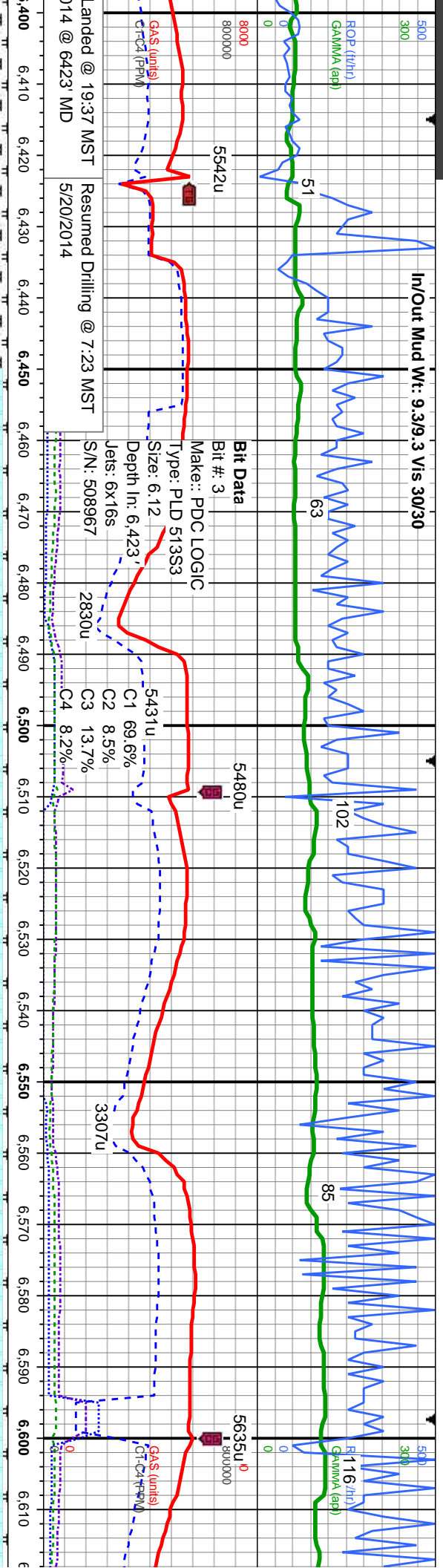
Logger Top Niobrara B2 Chalk
6303' MD/ 6076' TVD

MD: 6.331'
TVD: 6.082.55'
Inclination: 79.7 °
Azimuth: 89.9°
VS: 201.16'

MD: 6.363'
TVD: 6.087.86'
Inclination: 81.2 °
Azimuth: 89.6°
VS: 232.71'

TVD Sca
6025' MLC
Each Wt

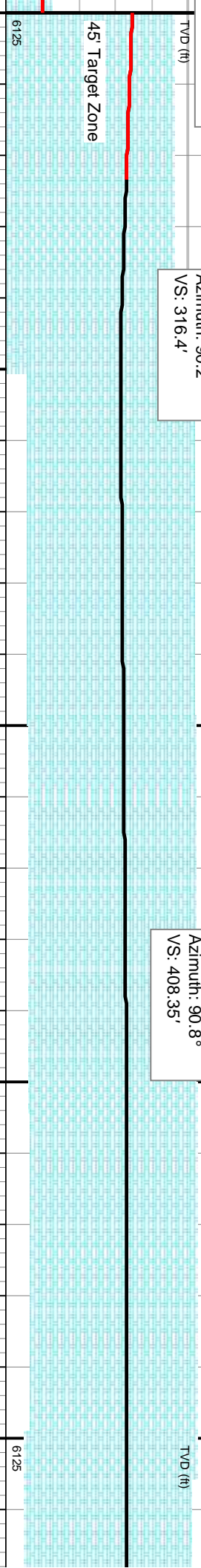




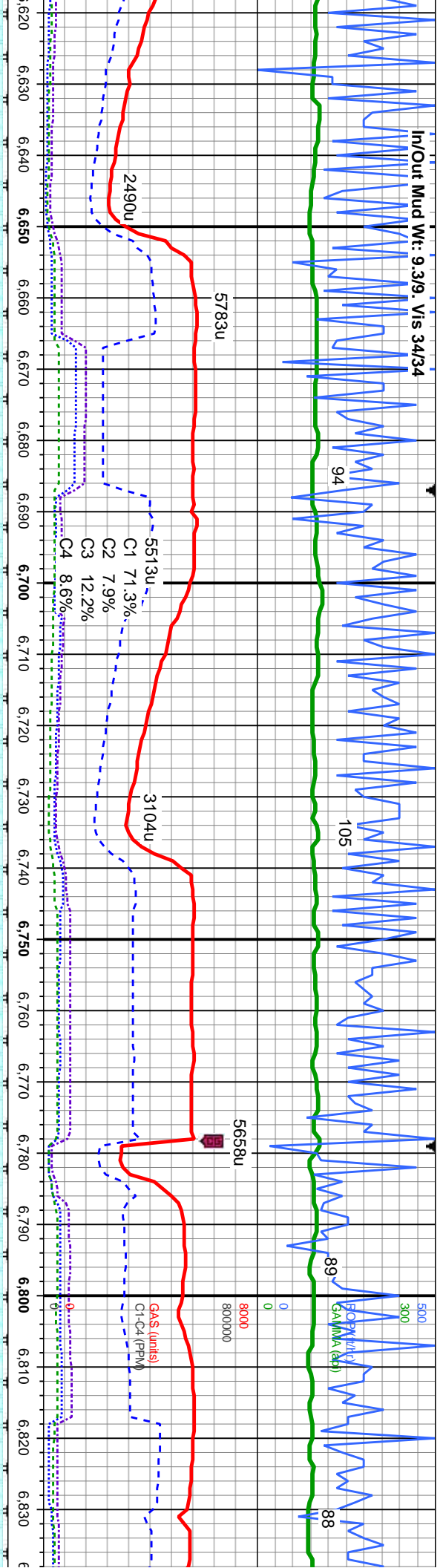
CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb ply-bkly, v calc, crptxl, intbd w/mari, v tr bent MARL: med-dk gy, stri, mod sft-fm, sb bkly-pty, fri- brt, sil, calc, tr diss pyr, tr cal	CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb ply-bkly, v calc, crptxl, intbd w/mari, v tr bent MARL: med-dk gy, stri, mod sft-fm, sb bkly-pty, fri- brt, sil, calc, tr diss pyr, tr cal	CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb ply-bkly, v calc, crptxl, intbd w/mari, v tr bent MARL: med-dk gy, stri, mod sft-fm, sb bkly-pty, fri- brt, sil, calc, tr diss pyr, tr cal	CHK: It-med gy, some brn-red, lam, mot, v sft-sft, sb ply-bkly, v calc, crptxl, intbd w/mari, v tr bent MARL: med-dk gy, stri, mod sft-fm, sb bkly-pty, fri- brt, sil, calc, tr diss pyr, tr cal
---	---	---	---

MD: 6.447'
TVD: 6.093.71'
Inclination: 90.8 °
Azimuth: 90.2 °
VS: 316.4'

MD: 6.539'
TVD: 6.092.18'
Inclination: 91.1 °
Azimuth: 90.8 °
VS: 408.35'



In/Out Mud Wt: 9.3/9. Vis 34/34



some brn-red, lam, mot, v sft-sft, sb
ptxl, inbnd w/marl, v tr bent
stri, mod sft-fm, sb blk-pily, fri-
m pyr, tr cal

CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb
pily-blky, v calc, crptxl, inbnd w/marl, rr bent
MARL: med-dk gy, stri, mod sft-fm, sb blk-pily, fri-
brit, sil, calc, rr dissim pyr, tr cal

CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb
pily-blky, v calc, crptxl, inbnd w/marl, rr bent
MARL: med-dk gy, stri, mod sft-fm, sb blk-pily, fri-
brit, sil, calc, rr dissim pyr, tr cal

CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb
pily-blky, v calc, crptxl, inbnd w/marl, rr bent
MARL: med-dk gy, stri, mod sft-fm, sb blk-pily, fri-
brit, sil, calc, rr dissim pyr, tr cal

CHK: lt-med gy, some brn-red, lam, mot, v
pily-blky, v calc, crptxl, inbnd w/marl, rr bent
MARL: med-dk gy, stri, mod sft-fm, sb blk
brit, sil, calc, rr dissim pyr, tr cal

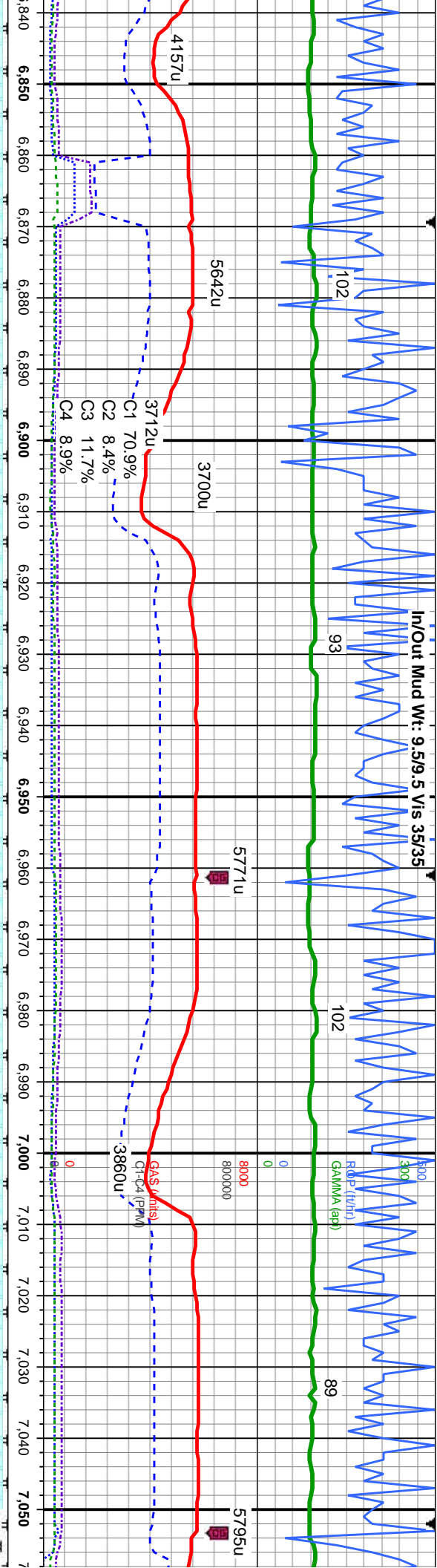
MD: 6,629'
TVD: 6,092.03'
Inclination: 89.1°
Azimuth: 89.4°
VS: 498.33'

MD: 6,720'
TVD: 6,091.07'
Inclination: 92.1°
Azimuth: 93.7°
VS: 589.21'

MD: 6,811'
TVD: 6,088.85'
Inclination: 90.7°
Azimuth: 92.3°
VS: 679.96'

6125





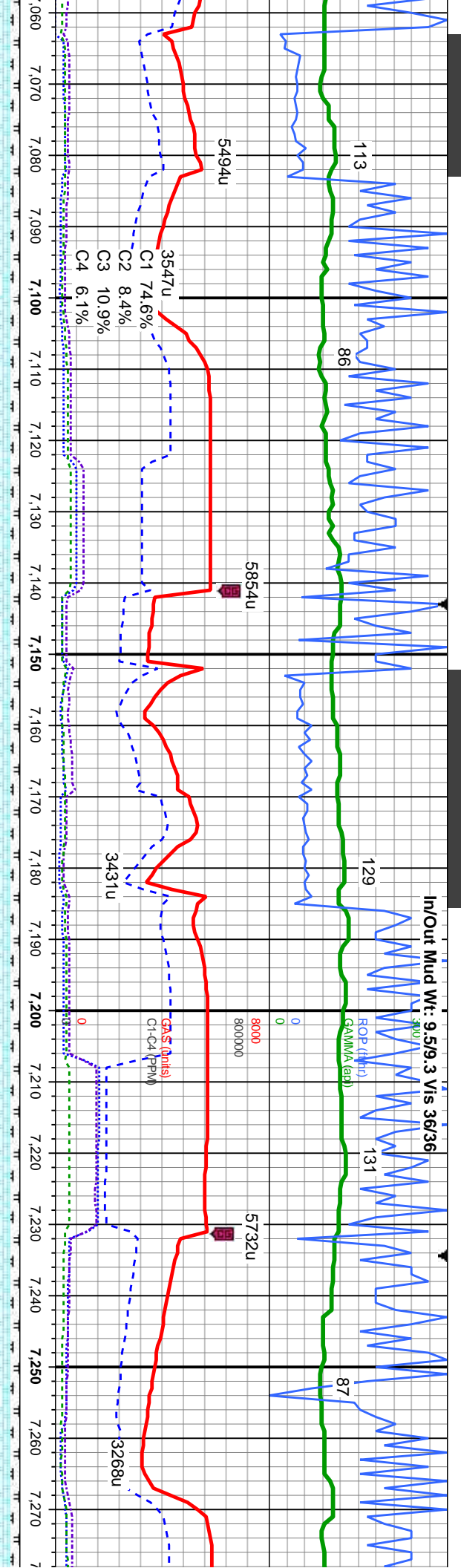
sft-sft, sb it	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd w/manl, rr bent	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd w/manl, rr bent	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd w/manl, rr bent	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd w/manl, rr bent
pty-blky, v calc, crptxl, intbd w/manl, rr bent	MARL: med-dk gy, stri, mod sft-fm, sb blk-pty, fri- brlt, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-fm, sb blk-pty, fri- brlt, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-fm, sb blk-pty, fri- brlt, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-fm, sb blk-pty, fri- brlt, sil, calc, rr dissim pyr, tr cal

MD: 6,902'
TVD: 6,087.82'
Inclination: 90.6 °
Azimuth: 94.4 °
VS: 770.69'

MD: 6,994'
TVD: 6,086.85'
Inclination: 90.6 °
Azimuth: 95.8 °
VS: 862.16'

6125	
------	--



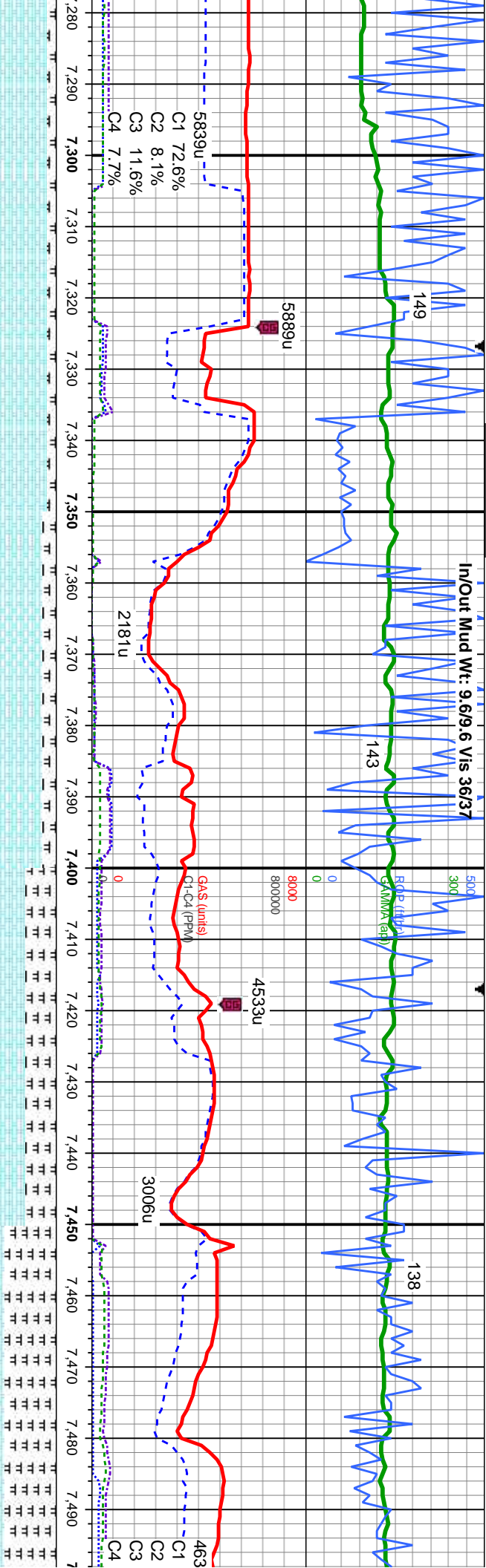


MD: 7,084'
TVD: 6,085.6'
Inclination: 91 °
Azimuth: 94.1 °
VS: 951.67'

MD: 7,176'
TVD: 6,083.67'
Inclination: 91.4 °
Azimuth: 90.3 °
VS: 1,043.49'

MD: 7,268'
TVD: 6,081.1'
Inclination: 91.8 °
Azimuth: 89 °
VS: 1,135.45'

Depth (ft)	Log Description	Log Value
7,060	med gy, some brn-red, lam, mot, v sft-sft, sb	3547u
7,070	ply-biky, v calc, crptxl, intbd w/mari, rr bent	5854u
7,080	med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	3431u
7,090	calc, rr dissim pyr, tr cal	5732u
7,100	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	3268u
7,110	ply-biky, v calc, crptxl, intbd w/mari, rr bent	
7,120	MARL: med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	
7,130	brit, sil, calc, rr dissim pyr, tr cal	
7,140	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	
7,150	ply-biky, v calc, crptxl, intbd w/mari, rr bent	
7,160	MARL: med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	
7,170	brit, sil, calc, rr dissim pyr, tr cal	
7,180	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	
7,190	ply-biky, v calc, crptxl, intbd w/mari, rr bent	
7,200	MARL: med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	
7,210	brit, sil, calc, rr dissim pyr, tr cal	
7,220	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	
7,230	ply-biky, v calc, crptxl, intbd w/mari, rr bent	
7,240	MARL: med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	
7,250	brit, sil, calc, rr dissim pyr, tr cal	
7,260	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	
7,270	ply-biky, v calc, crptxl, intbd w/mari, rr bent	
7,280	MARL: med-dk gy, stri, mod sft-frn, sb blk-y-pty, fri-	
7,290	brit, sil, calc, rr dissim pyr, tr cal	



lam, mot, v sft-sft, sb	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	CHK: lt-med gy, some brn-red, lam, mot, v sft-sft, sb	MARL: med-dk gy, stri, mod sft-firm, sb blk-y-pty, fri- brit, sil, calc, rr dissim pyr, tr cal
marl, rr bent	pty-blky, v calc, crptxl, intbd w/marl, rr bent	pty-blky, v calc, crptxl, intbd w/marl, rr bent	pty-blky, v calc, crptxl, intbd w/marl, rr bent	pty-blky, v calc, crptxl, intbd w/marl, rr bent
fr-m, sb blk-y-pty, fri-	MARL: med-dk gy, stri, mod sft-firm, sb blk-y-pty, fri- brit, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-firm, sb blk-y-pty, fri- brit, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-firm, sb blk-y-pty, fri- brit, sil, calc, rr dissim pyr, tr cal	MARL: med-dk gy, stri, mod sft-firm, sb blk-y-pty, fri- brit, sil, calc, rr dissim pyr, tr cal

MD: 7,359'
TVD: 6,079.2'
Inclination: 90.6°
Azimuth: 87.9°
VS: 1,226.42'

MD: 7,451'
TVD: 6,078.87'
Inclination: 89.8°
Azimuth: 86.9°
VS: 1,318.38'



In/Out Mud Wt: 9.5/9.5 Vis 33/33

MINDEPTH

In/Out Mud Wt:

129

145

5/21/2014

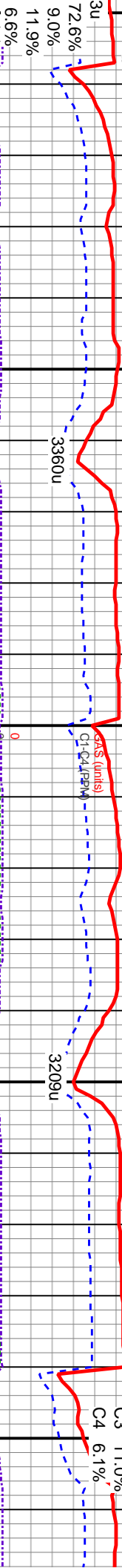
RO (psi)
5000
3000
0

4757u

4935u 00000

5153u

3612u
C1 73.9%
C2 9.0%
C3 11.0%
C4 6.1%



3u
72.6%
9.0%
11.9%
6.6%

3360u

3209u

GR (ppm)
0

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 7,680 7,690 7,700 7,710

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/marl, rr bent, rr dissn pyr, tr cal

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/marl, rr bent, rr dissn pyr, tr cal

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/marl, rr bent, rr dissn pyr, tr cal

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/marl, rr bent, rr dissn pyr, tr cal

MARL: med-dk gy, s
brit, sil, calc: CHK: r
mot, v sft-sft, sb ply
w/marl, rr bent, rr dis

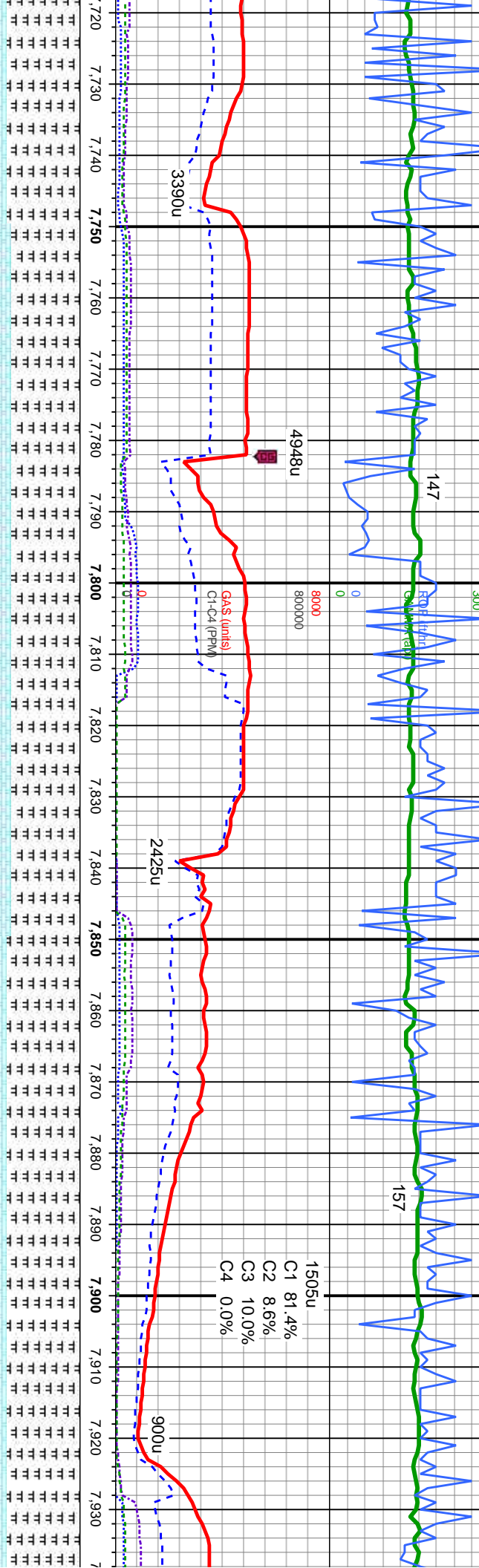
TVD (ft)

MD: 7,543'
TVD: 6,079.2'
Inclination: 89.8°
Azimuth: 82.7°
VS: 1,410.11'

MD: 7,634'
TVD: 6,079.43'
Inclination: 89.9°
Azimuth: 84.4°
VS: 1,500.69'

6125





str, mod sft-frm, sb blk-y-pty, fir-	MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty, fir-	MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty, fir-	MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty, fir-
med-dk gy, some brn-red, lam,	brit, sil, calc: CHK: med-dk gy, some brn-red, lam,	brit, sil, calc: CHK: med-dk gy, some brn-red, lam,	brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
blk-y, v calc, crptxl, intbd	mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd	mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd	mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
ssm pyr, tr cal	w/marl, rr bent, rr dissim pyr, tr cal	w/marl, rr bent, rr dissim pyr	w/marl, rr bent, rr dissim pyr

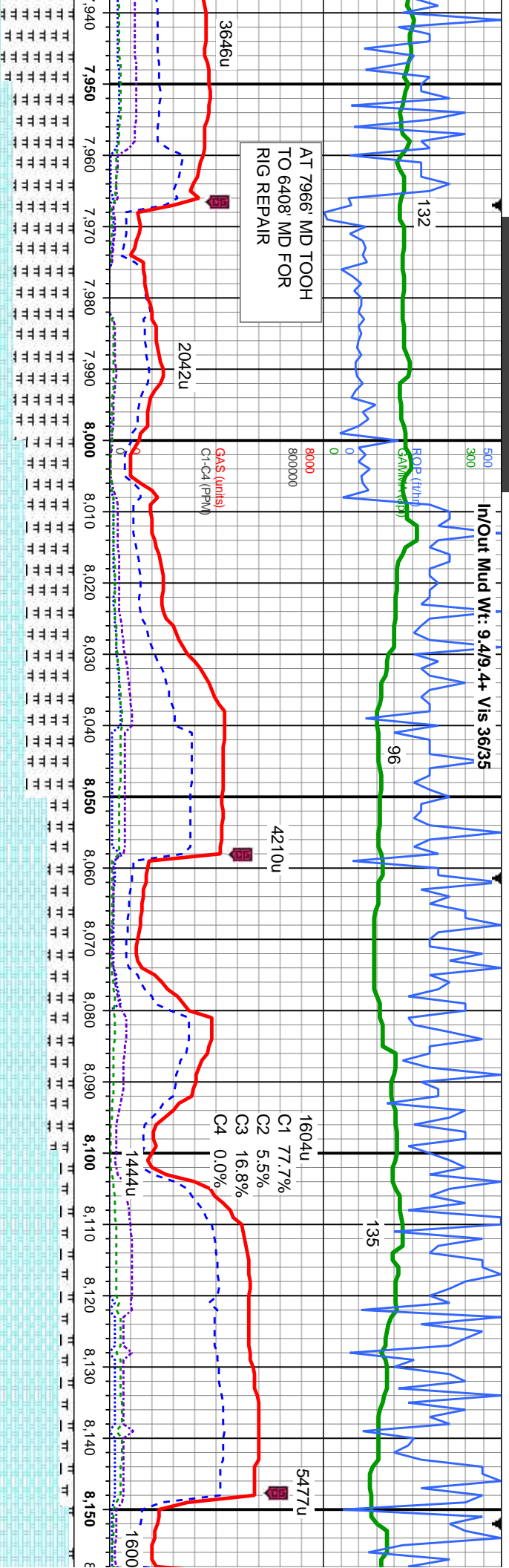
MD: 7,727'
TVD: 6,079.27'
Inclination: 90.3 °
Azimuth: 86.6°
VS: 1,593.51'

MD: 7,819'
TVD: 6,079.27'
Inclination: 89.7 °
Azimuth: 87°
VS: 1,685.44'

MD: 7,911'
TVD: 6,079.27'
Inclination: 90.3 °
Azimuth: 86.67°
VS: 1,777.37'



In/Out Mud Wt: 9.4/9.4+ Vis 36/35



fr-
y-pty, fri-
ed, lam,
bd

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd
w/marl, rr bent, rr dissim pyr

MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri-
brit, sil, calc: CHK: med-dk gy, some brn-red, lam,
mot, v sft-sft, sb pty-blky, v calc, crptxl, intbd
w/marl, com bent, rr dissim pyr, tr cal

CHK: med-dk gy, some brn-red, lam, mot, v sft-sft,
sb pty-blky, v calc, crptxl, intbd w/marl; MARL:
med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit, sil,
calc: tr bent, rr dissim pyr, tr cal

CHK: med-dk gy, some brn-red, lam, mot, v sft-sft,
sb pty-blky, v calc, crptxl, intbd w/marl; MARL:
med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit,
sil, calc: tr bent, rr dissim pyr, tr cal

CHK: me
sb pty-b
med-dk g
sil, calc:

MD: 8,003'
TVD: 6,080.07'
Inclination: 88.7°
Azimuth: 88.8°
VS: 1,869.34'

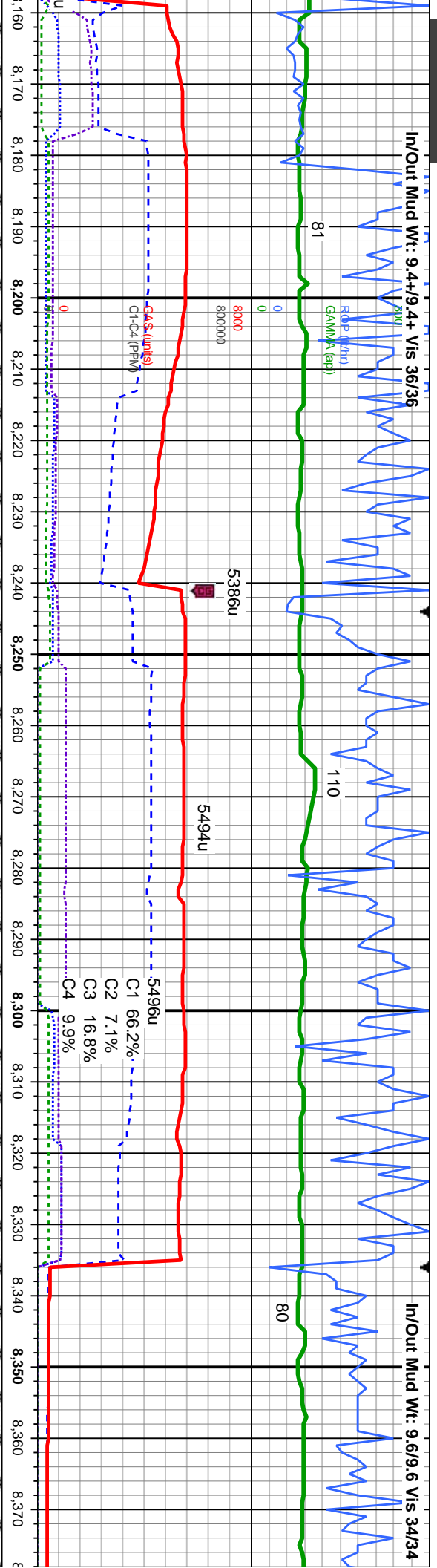
MD: 8,094'
TVD: 6,082.69'
Inclination: 88°
Azimuth: 89.6°
VS: 1,960.3'

6125

TVD (ft)



In/Out Mud Wt: 9.4+/9.4+ Vis 36/36



In/Out Mud Wt: 9.6/9.6 Vis 34/34

med-dk gy, some brn-red, lam, mot, v sft-sft, sb pily-bilky, v calc, crptxl, intbd w/marl; MARL: gy, stri, mod sft-frm, sb biky-pty, fri- bnt, tr bent, rr dissn pyr, tr cal	CHK: med-dk gy, some brn-red, lam, mot, v sft-sft, sb pily-bilky, v calc, crptxl, intbd w/marl; MARL: med-dk gy, stri, mod sft-frm, sb biky-pty, fri- bnt, sil, calc; tr bent, rr dissn pyr, tr cal	CHK: med-dk gy, some brn-red, lam, mot, v sft-sft, sb pily-bilky, v calc, crptxl, intbd w/marl; MARL: med-dk gy, stri, mod sft-frm, sb biky-pty, fri- bnt, sil, calc; tr bent, rr dissn pyr, tr cal	CHK: med-dk gy, some brn-red, lam, mot, v sft-sft, sb pily-bilky, v calc, crptxl, intbd w/marl; MARL: med-dk gy, stri, mod sft-frm, sb biky-pty, fri- bnt, sil, calc; tr bent, rr dissn pyr, tr cal
--	---	---	---

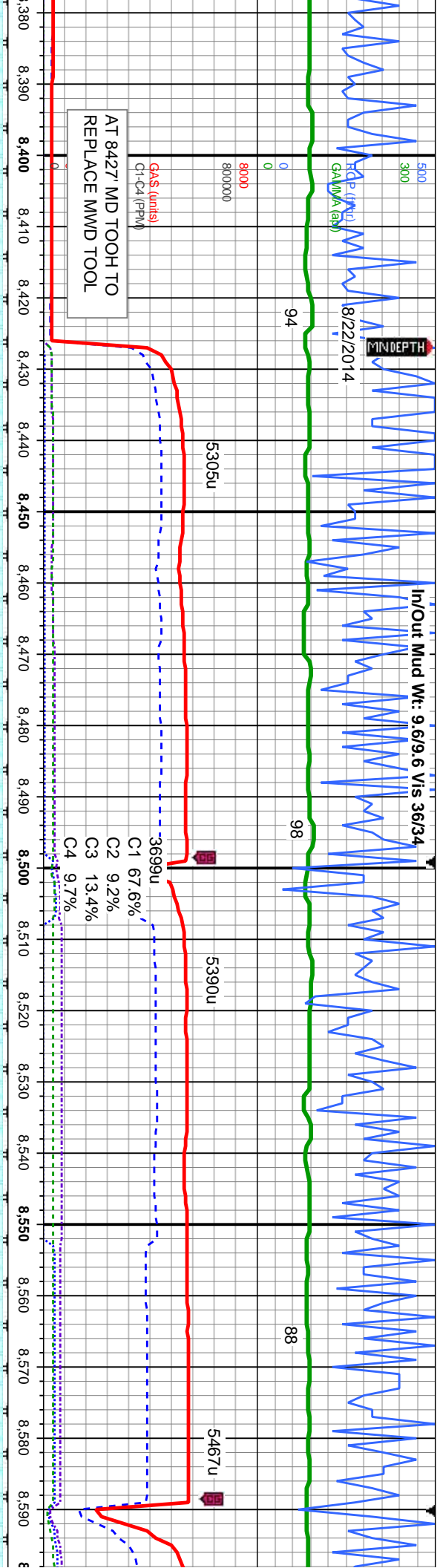
TVD (ft)

MD: 8,186'
TVD: 6,084.3'
Inclination: 90 °
Azimuth: 90.1°
VS: 2,052.27'

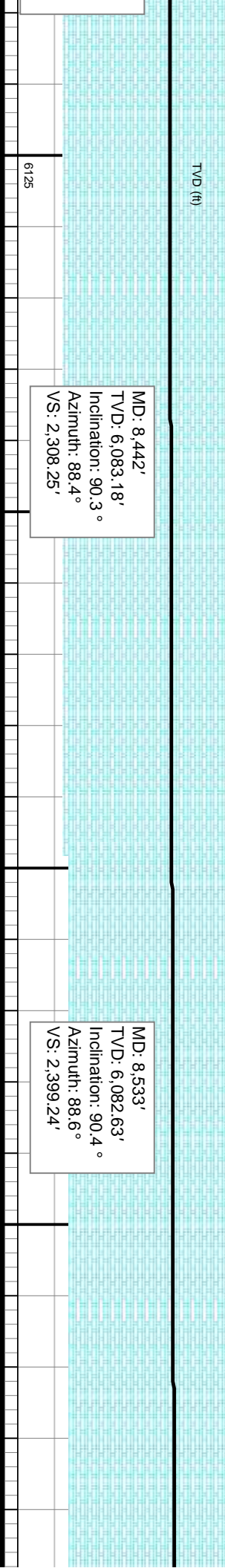
MD: 8,278'
TVD: 6,083.98'
Inclination: 90.4 °
Azimuth: 89.7°
VS: 2,144.26'

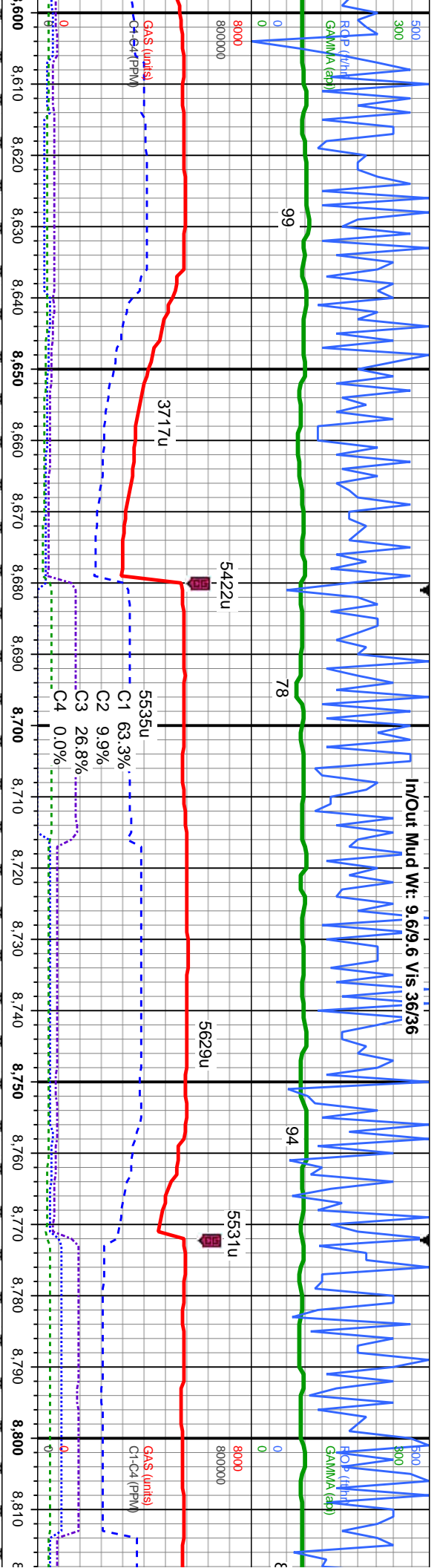
MD: 8,369'
TVD: 6,083.5'
Inclination: 90.2 °
Azimuth: 88.6°
VS: 2,235.25'





lam, mot, v sft-sft, w/mart; MARL: blk-y-pty, fri- brit, cal	CHK: med-dk gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptl, intbd w/mart; MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit, sil, calc; rr bent, rr dissim pyr, tr cal	CHK: med-dk gy, some brn-red, lam, mot, v sft-sft, sb pty-blky, v calc, crptl, intbd w/mart; MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit, sil, calc; rr bent, rr dissim pyr, tr cal	CHK: med-dk gy, some brn-lt gy brn, lam, mot, v sft-sft, sb pty-blky, v calc, crptl, intbd w/mart; MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit, sil, calc; rr dissim pyr, tr cal	CHK: med-dk gy, some brn-lt gy brn, lam, mot, v sft-sft, sb pty-blky, v calc, crptl, intbd w/mart; MARL: med-dk gy, stri, mod sft-fm, sb blk-y-pty, fri- brit, sil, calc; rr dissim pyr, tr cal
--	--	--	---	---





CHK: med-dk gy, some brn-lt gy brn, lam, mot, v
sft-sft, sb pty-blky, v calc, crpxl, intbd w/mar;
MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty,
fri- brt, sil, calc; rr dissn pyr, tr cal

CHK: med-dk gy, some brn-lt gy brn, lam, mot, v
sft-sft, sb pty-blky, v calc, crpxl, intbd w/mar;
MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty,
fri- brt, sil, calc; rr dissn pyr, tr cal

CHK: med-lt gy, some brn-lt gy brn, lam, mot, v
sft-sft, sb pty-blky, v calc, crpxl, intbd w/mar;
MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty,
fri- brt, sil, calc; rr dissn pyr, tr fos

CHK: med-lt gy, some brn-lt gy brn, lam, mot, v
sft-sft, sb pty-blky, v calc, crpxl, intbd w/mar;
MARL: med-dk gy, stri, mod sft-frm, sb blk-y-pty,
fri- brt, sil, calc; rr dissn pyr, tr fos

6CHK: med-lt gy, s
sft-sft, sb pty-blky
MARL: med-dk gy
fri- brt, sil, calc; rr

TVD (ft)

TVD (ft)

MD: 8,625'
TVD: 6,082.15'
Inclination: 90.2 °
Azimuth: 88.5°
VS: 2,491.24'

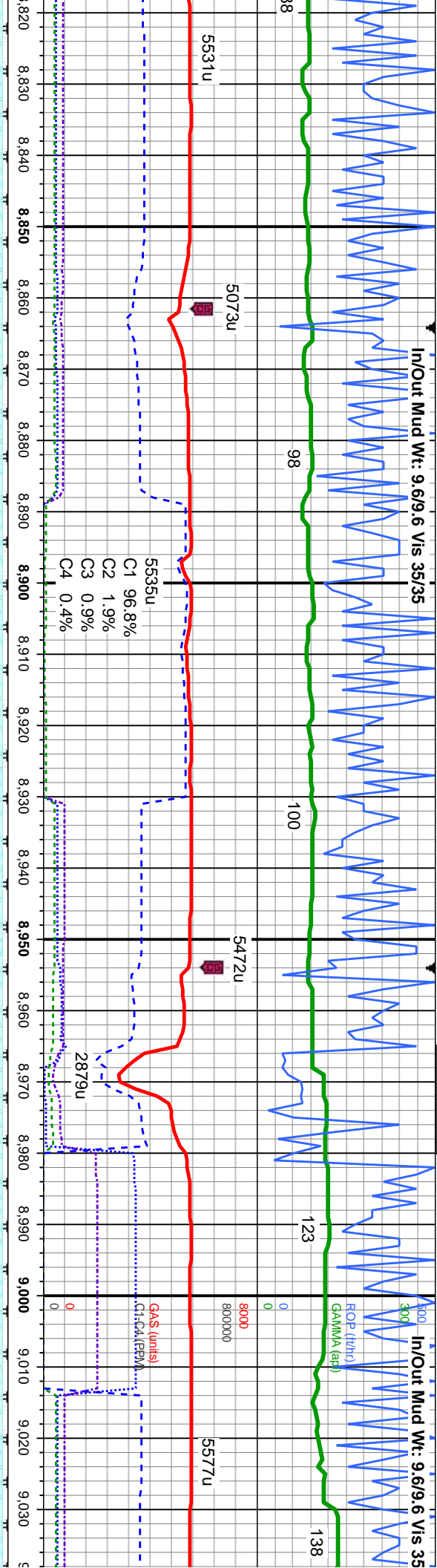
MD: 8,715'
TVD: 6,081.75'
Inclination: 90.3 °
Azimuth: 88.5°
VS: 2,581.24'

MD: 8,806'
TVD: 6,081.28'
Inclination: 90.3 °
Azimuth: 88.5°
VS: 2,672.23'

6125

6125





some brn-lt gy brn, lam, mot, v
v calc, crptxl, intbd w/mari:
stri, mod sft-fm, sb blk-y-pty,
dissm pyr, tr fos

CHK: med-gy brn, some red brn-lt gy brn, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/mari; MARL: med-dk gy, stri, mod sft-fm, sb
blk-y-pty, fir- brt, sil, calc; rr dissm pyr, tr fos

CHK: med-gy brn, some red brn-lt gy brn, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/mari; MARL: med-dk gy, stri, mod sft-fm, sb
blk-y-pty, fir- brt, sil, calc; rr dissm pyr, tr fos

CHK: gy brn - gy, some red brn-lt gy brn, lam,
mot, v sft-sft, sb ply-blky, v calc, crptxl, intbd
w/mari; MARL: med-dk gy, stri, mod sft-fm, sb
blk-y-pty, fir- brt, sil, calc; rr dissm pyr, tr fos

6CHK: gy brn - gy, some red brn-lt gy, lam
sft-sft, sb ply-blky, v calc, crptxl, intbd w/
MARL: med-dk gy, stri, mod sft-fm, sb bl
fir- brt, sil, calc; rr dissm pyr, tr fos

MD: 8,897'
TVD: 6,081.52'
Inclination: 89.4 °
Azimuth: 87.1 °
VS: 2,763.21'

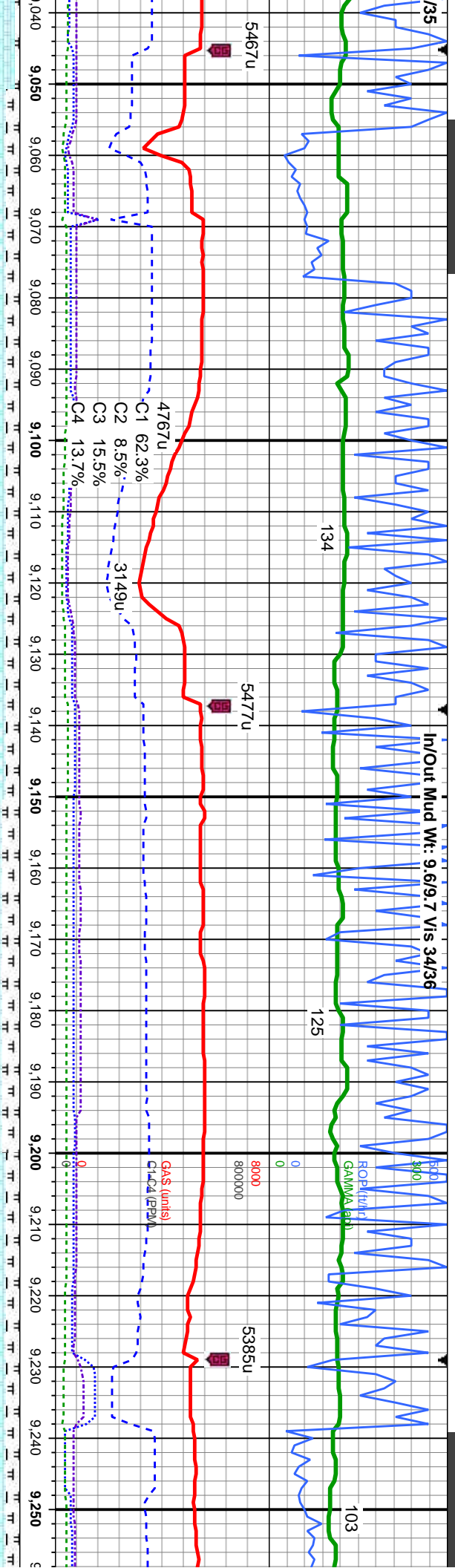
MD: 8,988'
TVD: 6,082.79'
Inclination: 89 °
Azimuth: 87.2 °
VS: 2,854.15'

6125

TVD (ft)



In/Out Mud Wt: 9.6/9.7 Vis 34/36



mot, v	CHK: gy - dk gy, some red brn- gy brn, lam, mot, v	CHK: gy - dk gy, some red brn- gy brn, lam, mot, v	CHK: gy - dk gy, some red brn- gy brn, lam, mot, v	CHK: gy - dk gy, some red brn- gy brn, lam, mot, v
marl: -	sft-sft, sb ply-biky, v calc, crpxl, intbd w/marl:	sft-sft, sb ply-biky, v calc, crpxl, intbd w/marl:	sft-sft, sb ply-biky, v calc, crpxl, intbd w/marl:	sft-sft, sb ply-biky, v calc, crpxl, intbd w/marl:
ky-ply,	MARL: med-dk gy, stri, mod sft-fm, sb biky-ply,	MARL: med-dk gy, stri, mod sft-fm, sb biky-ply,	MARL: med-dk gy, stri, mod sft-fm, sb biky-ply,	MARL: med-dk gy, stri, mod sft-fm, sb biky-ply,
	fr- brt, sil, calc; rr dissn pyr, tr fos	fr- brt, sil, calc; rr dissn pyr, tr fos	fr- brt, sil, calc; rr dissn pyr, tr fos	fr- brt, sil, calc; rr dissn pyr, tr fos

MD: 9,080'
TVD: 6,083.19'
Inclination: 90.5 °
Azimuth: 87.3 °
VS: 2,946.1'

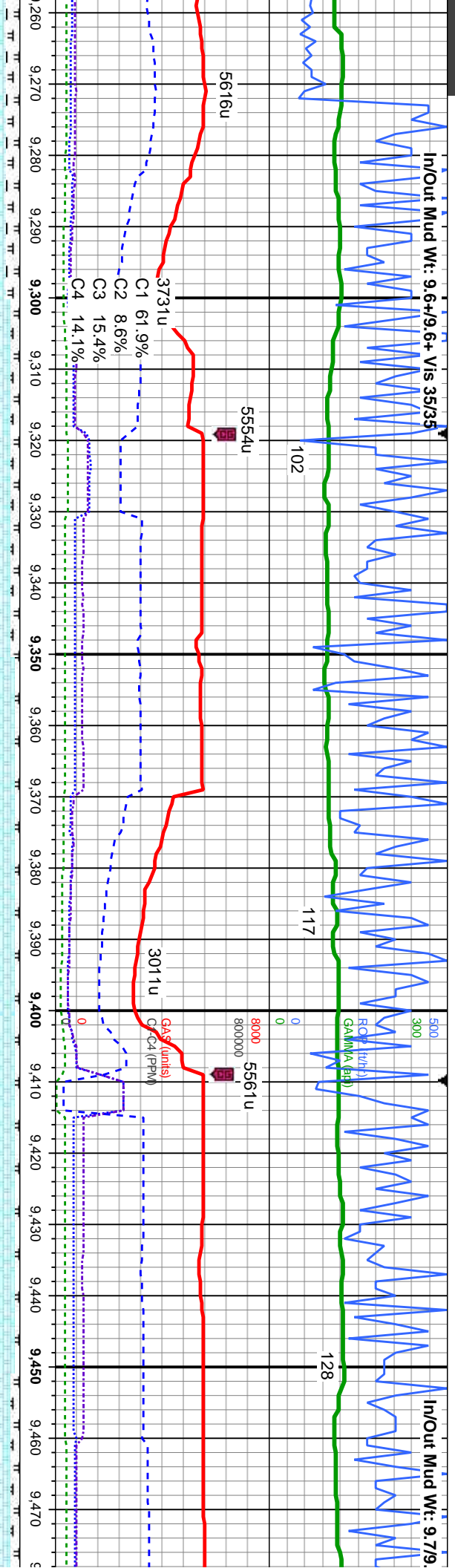
MD: 9,170'
TVD: 6,082.17'
Inclination: 90.8 °
Azimuth: 86.9 °
VS: 3,036.04'

6125



In/Out Mud Wt: 9.6+/9.6+ Vis 35/35

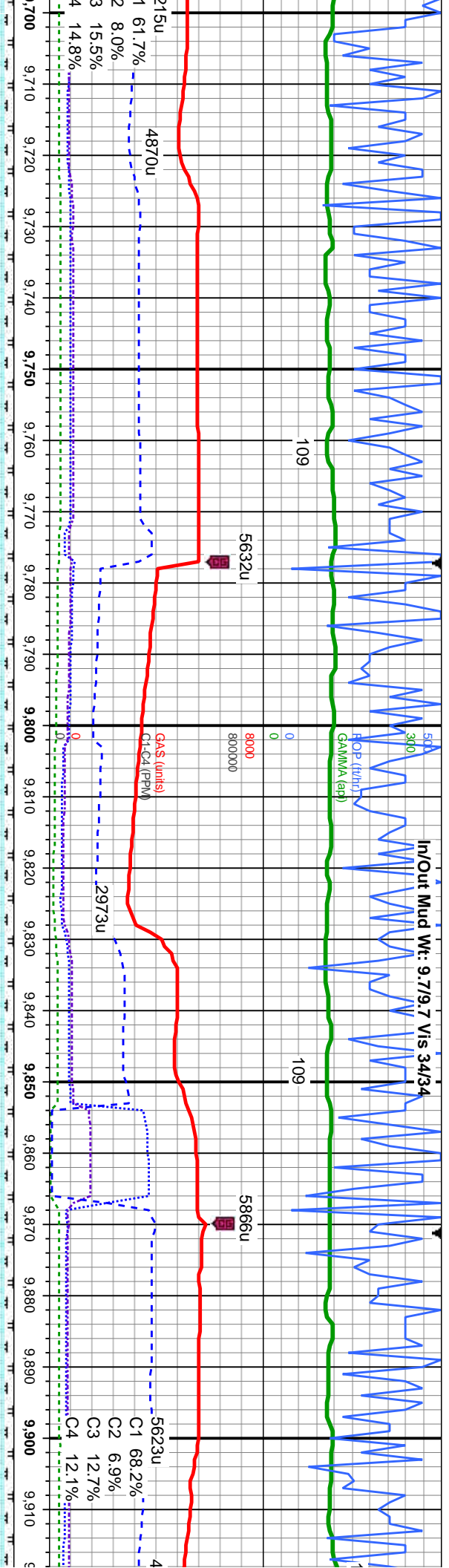
In/Out Mud Wt: 9.7/9



gy - gy brn, some red brn- lt gy, lam, mot, v sb ply-biky, v calc, crptxl, intbd w/mari; med-dk gy, stri, mod st-frn, sb biky-pty, sil, calc; rr dissn pyr, tr fos	CHK: gy - gy brn, lt gy brn, lam, mot, v st-frn, sb ply-biky, v calc, crptxl, intbd w/mari; MARL: med-dk gy, stri, mod st-frn, sb biky-pty, fri- brt, sil, calc; rr dissn pyr, tr fos	CHK: gy - gy brn, lt gy brn, lam, mot, v st-frn, sb ply-biky, v calc, crptxl, intbd w/mari; MARL: med-dk gy, stri, mod st-frn, sb biky-pty, fri- brt, sil, calc; rr dissn pyr, tr fos	6CHK: gy - gy brn, ooc dk gy & lt gy brn, lam, mot, v st-frn, sb ply-biky, v calc, crptxl, intbd w/mari; MARL: med-dk gy, stri, mod st-frn, sb biky-pty, fri- brt, sil, calc; rr dissn pyr, tr fos	CHK: gy - gy brn, ooc dk gy & v st-frn, sb ply-biky, v calc, cr MARL: med-dk gy, stri, mod st-frn, fri- brt, sil, calc; rr dissn pyr, tr
---	--	--	---	---

MD: 9,262' TVD: 6,081.12' Inclination: 90.5° Azimuth: 89.6° VS: 3,128.02'	MD: 9,354' TVD: 6,080' Inclination: 90.9° Azimuth: 91.5° VS: 3,219.98'	MD: 9,445' TVD: 6,078.57' Inclination: 90.9° Azimuth: 91.4° VS: 3,310.88'
---	--	---





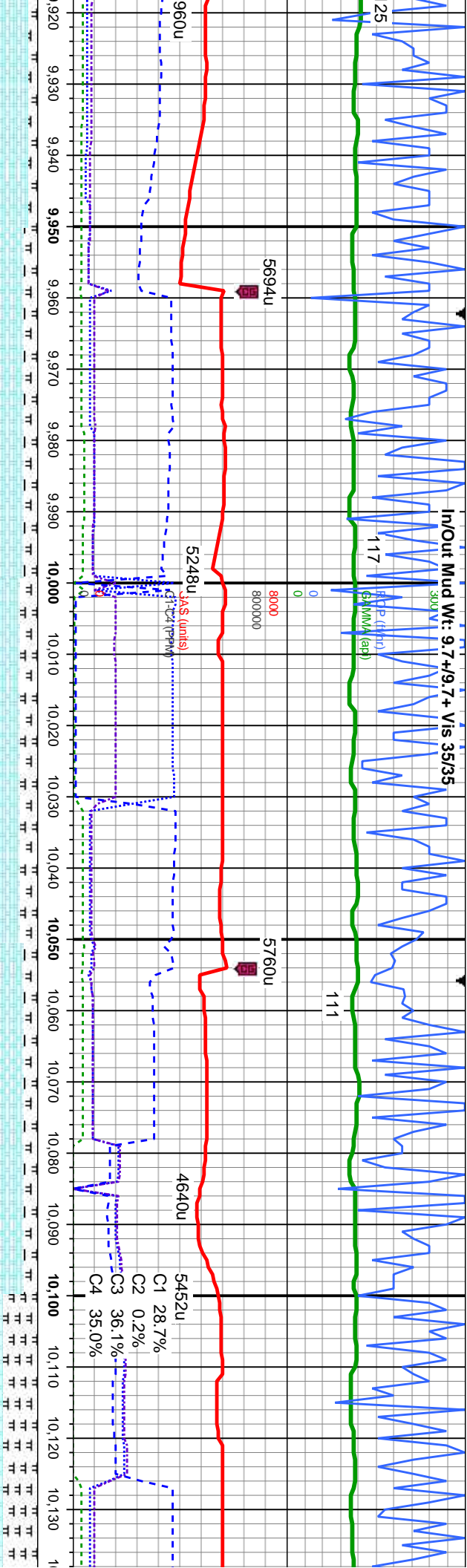
CHK: gy - gy brn, some dk gy & lt gy brn, lam, mot, v sft-sft, sb pily-sb blkly, v calc, crptxl, intbd w/marl ; MARL: med-dk gy, mod sft-frm, sb blkly-sb pily, fri- brt, sil, calc, rr dissn pyr, tr fos	CHK: gy - gy brn, some dk gy & lt gy brn, lam, mot, v sft-sft, sb pily-sb blkly, v calc, crptxl, intbd w/marl ; MARL: med-dk gy, mod sft-frm, sb blkly-sb pily, fri- brt, sil, calc, rr dissn pyr, tr fos	CHK: gy - gy brn, some dk gy & lt gy brn, lam, mot, v sft-sft, sb pily-sb blkly, v calc, crptxl, intbd w/marl ; MARL: med-dk gy, mod sft-frm, sb blkly-sb pily, fri- brt, sil, calc, rr dissn pyr, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb pily-sb blkly, v calc, crptxl, intbd w/marl ; MARL: med-dk gy, mod sft-frm, sb blkly-sb pily, fri- brt, sil, calc, rr dissn pyr, tr fos	CHK: gy - gy brn, c sft-sft, sb pily-sb b MARL: med-dk gy, brt, sil, calc, rr diss
---	---	---	--	--

MD: 9,720'
TVD: 6,077.05'
Inclination: 89.8 °
Azimuth: 90.1 °
VS: 3,585.74'

MD: 9,813'
TVD: 6,077.37'
Inclination: 89.8 °
Azimuth: 89.5 °
VS: 3,678.73'

MD: 9,905'
TVD: 6,077.21'
Inclination: 90.4 °
Azimuth: 89.6 °
VS: 3,770.73'



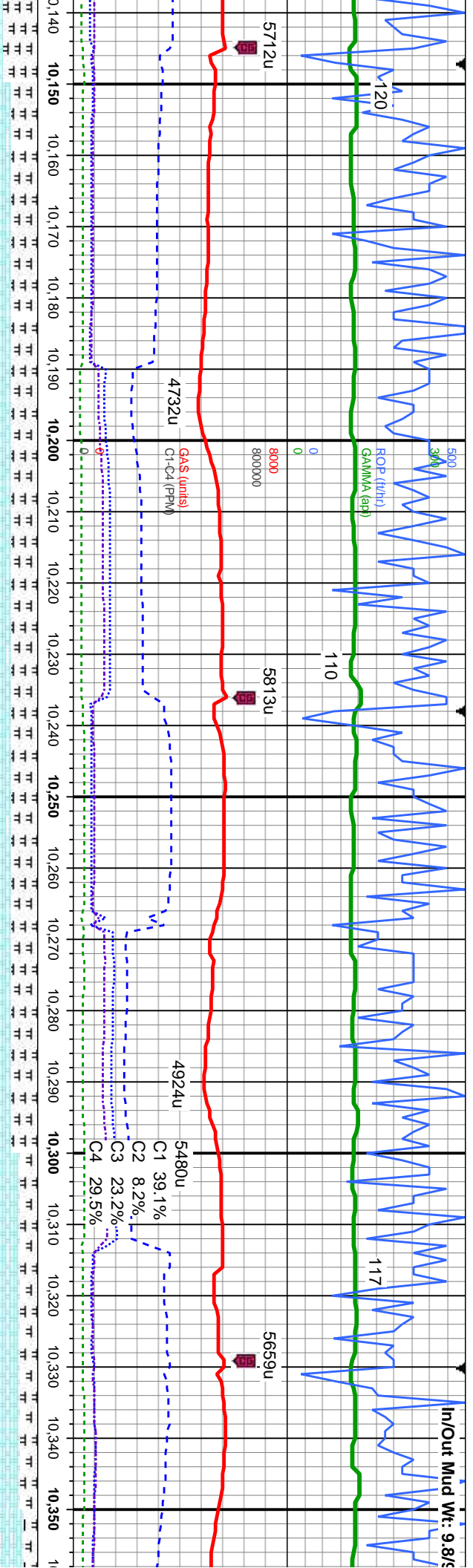


blk gy, some lt gy, lam, mot, v biky, v calc, crptl, intbd w/marl; mod sft-frm, sb biky-sb ply, tri- am pyr, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb biky, v calc, crptl, intbd w/marl; MARL- med-dk gy, mod sft-frm, sb biky-sb ply, tri- brt, sil, calc, rr dissam pyr, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb biky, v calc, crptl, intbd w/marl; MARL- med-dk gy, mod sft-frm, sb biky-sb ply, tri- brt, sil, calc, rr dissam pyr, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb biky, v calc, crptl, intbd w/marl; MARL- med-dk gy, mod sft-frm, sb biky-sb ply, tri- brt, sil, calc, rr dissam pyr, tr fos
--	---	---	---

MD: 9.997'
TVD: 6,076.73'
Inclination: 90.2°
Azimuth: 88.7°
VS: 3,862.73'

6125





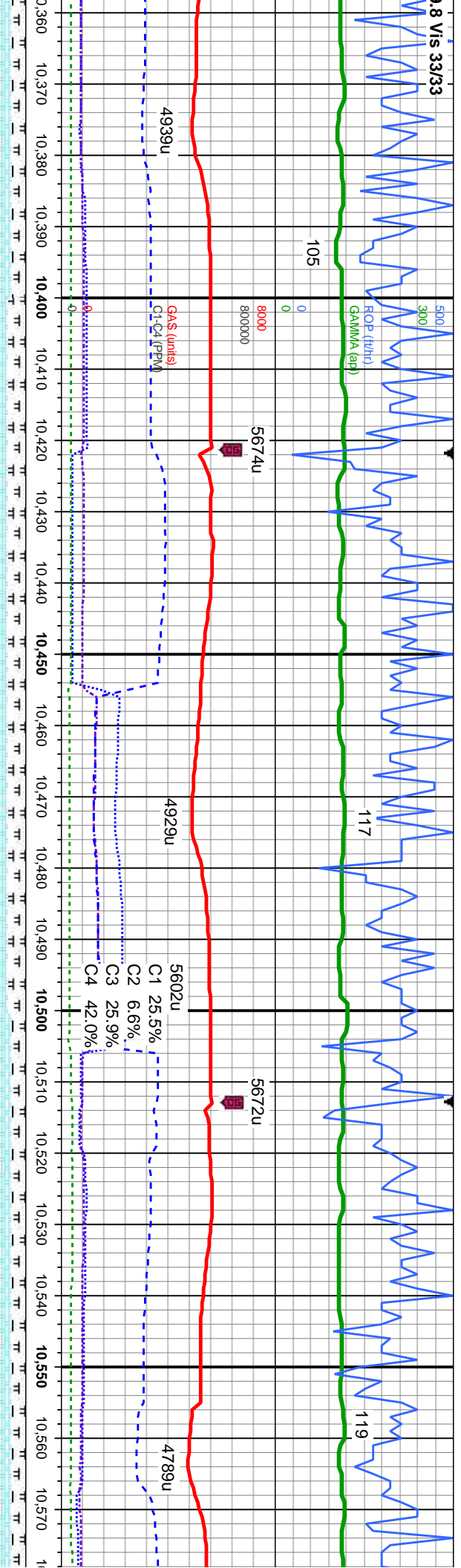
not, v	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v
w/marl:	sft-sft, sb ply- sb blkly, v calc, crptxl, inbd w/marl;	sft-sft, sb ply- sb blkly, v calc, crptxl, inbd w/marl;	sft-sft, sb ply- sb blkly, v calc, crptxl, inbd w/marl;	sft-sft, sb ply- sb blkly, v calc, crptxl, inbd w/marl;	sft-sft, sb ply- sb blkly, v calc, crptxl, inbd w/marl;
ply, fri-	MARL: med-dk gy, mod sft-fm, sb blkly-sb ply, fri-	MARL: med-dk gy, mod sft-fm, sb blkly-sb ply, fri-	MARL: med-dk gy, mod sft-fm, sb blkly-sb ply, fri-	MARL: med-dk gy, mod sft-fm, sb blkly-sb ply, fri-	MARL: med-dk gy, mod sft-fm, sb blkly-sb ply, fri-
	brit, sil, calc, rr dissim pyr, tr fos	brit, sil, calc, rr dissim pyr, tr fos	brit, sil, calc, rr dissim pyr, tr fos	brit, sil, calc, rr dissim pyr, tr fos	brit, sil, calc, rr dissim pyr, tr fos

MD: 10,180'
TVD: 6,076.33'
Inclination: 90.3°
Azimuth: 88.3°
VS: 4,045.71'

MD: 10,272'
TVD: 6,075.77'
Inclination: 90.4°
Azimuth: 88.1°
VS: 4,137.7'



8 VIS 33/33



- gy brn, dk gy, some lt gy, lam, mot, v
ply- sb blk, v calc, crptxl, inbd w/marl;
med-dk gy, mod st-fm, sb blk-sb ply, fri-
calc, r diss pyr, t fos

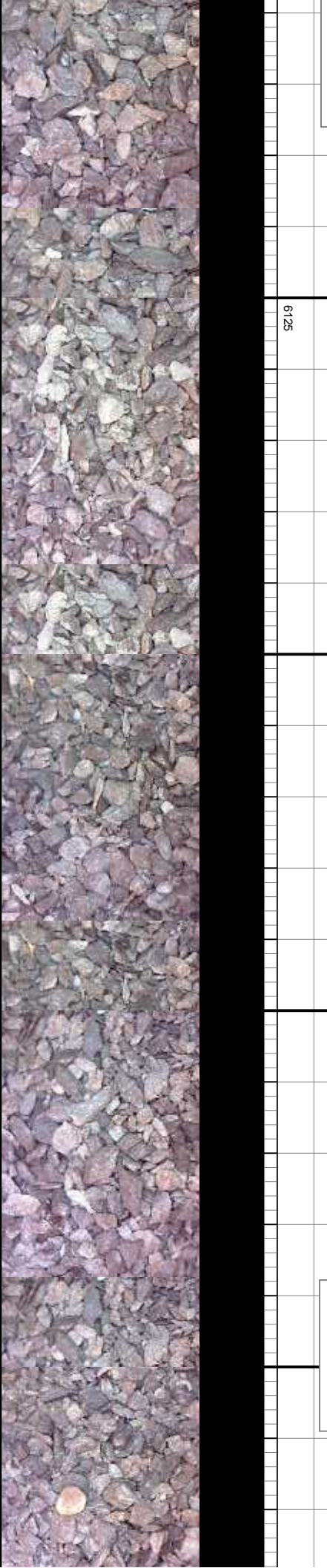
CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v
st-ft, sb ply- sb blk, v calc, crptxl, inbd w/marl;
MARL: med-dk gy, mod st-fm, sb blk-sb ply, fri-
bit, sil, calc, r diss pyr, t fos

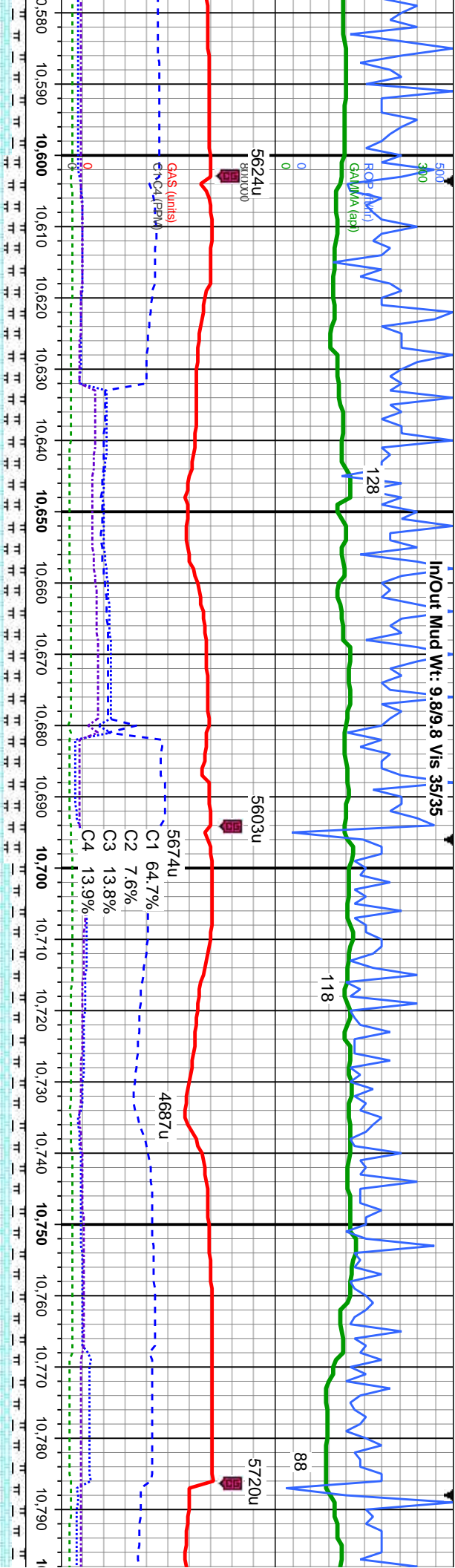
CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v
st-ft, sb ply- sb blk, v calc, crptxl, inbd w/marl;
MARL: med-dk gy, mod st-fm, sb blk-sb ply, fri-
bit, sil, calc, r diss pyr, t fos

CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v
st-ft, sb ply- sb blk, v calc, crptxl, inbd w/marl;
MARL: med-dk gy, mod st-fm, sb blk-sb ply, fri-
bit, sil, calc, r diss pyr, t fos

MD: 10.364'
TVD: 6,075.21'
Inclination: 90.3°
Azimuth: 88.4°
VS: 4,229.69'

MD: 10.546'
TVD: 6,073.86'
Inclination: 90.6°
Azimuth: 88.4°
VS: 4,411.67'





t gy, lam, mot, v sft-sft, inbd w/marl ; sb blk-y-sb ply, tri-	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb blk-y, v calc, crptl, inbd w/marl ; MARL- med-dk gy, mod sft-fm, sb blk-y-sb ply, tri- brit, sil, calc, tr cal, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb blk-y, v calc, crptl, inbd w/marl ; MARL- med-dk gy, mod sft-fm, sb blk-y-sb ply, tri- brit, sil, calc, tr cal, tr fos	CHK: gy - gy brn, dk gy, some lt gy, lam, mot, v sft-sft, sb ply- sb blk-y, v calc, crptl, inbd w/marl ; MARL- med-dk gy, mod sft-fm, sb blk-y-sb ply, tri- brit, sil, calc, tr cal, tr fos
--	--	--	--

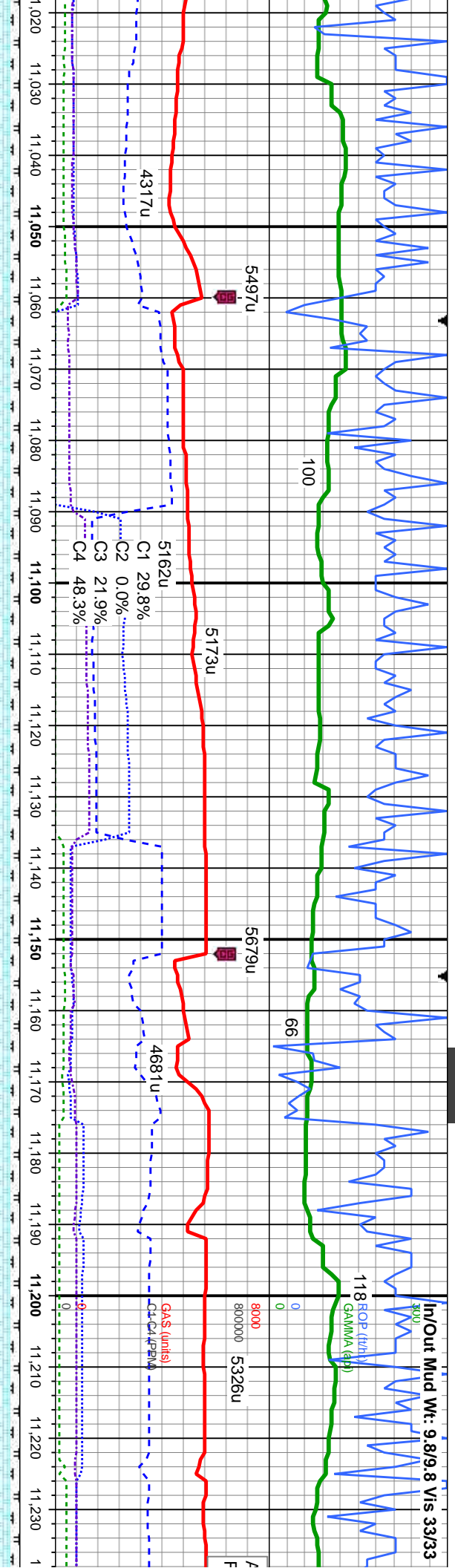
MD: 10,638'
TVD: 6,071.85'
Inclination: 91.9 °
Azimuth: 89.1 °
VS: 4,503.65'

MD: 10,730'
TVD: 6,069.28'
Inclination: 91.3 °
Azimuth: 88.3 °
VS: 4,595.61'

6125

TVD (ft)

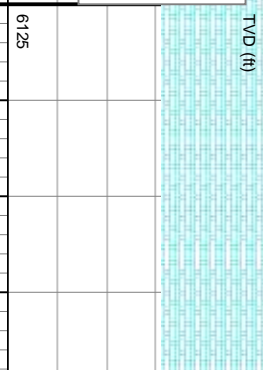




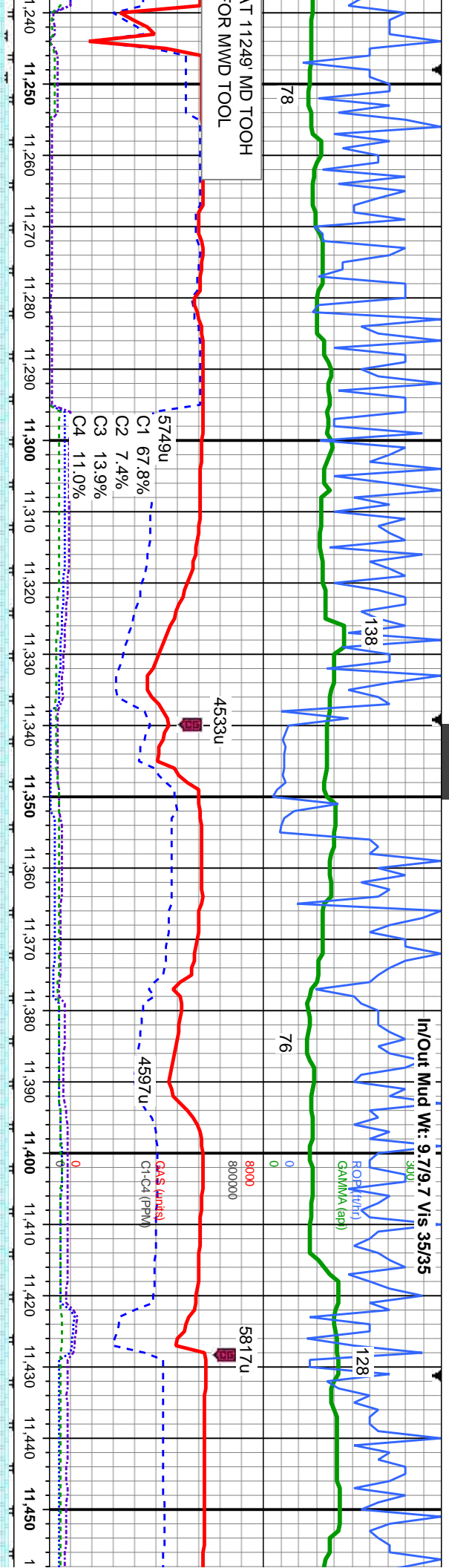
some dk gy, lam, mot, v sft-sft, sb ply- sb blk, v calc, crpxl, inbd w/marl; MARL: med-dk gy, mod sft-frm, sb blk-sb ply, fri- brit, sil, calc; tr cal, tr fos	CHK: lt gy - gy, gy brn, some dk gy, lam, mot, v sft-sft, sb ply- sb blk, v calc, crpxl, inbd w/marl; MARL: med-dk gy, mod sft-frm, sb blk-sb ply, fri- brit, sil, calc; tr cal, tr fos	CHK: lt gy - gy, gy brn, some dk gy, lam, mot, v sft-sft, sb ply- sb blk, v calc, crpxl, inbd w/marl; MARL: med-dk gy, mod sft-frm, sb blk-sb ply, fri- brit, sil, calc; tr cal, tr fos	6CHK: lt gy - gy, gy brn, some dk gy, lam, mot, v sft-sft, sb ply- sb blk, v calc, crpxl, inbd w/marl; MARL: med-dk gy, mod sft-frm, sb blk-sb ply, fri- brit, sil, calc; tr cal, tr fos
---	--	--	---

MD: 11,097'
TVD: 6,066.81'
Inclination: 88.6 °
Azimuth: 88.6 °
VS: 4,962.5'

MD: 11,190'
TVD: 6,068.6'
Inclination: 89.2 °
Azimuth: 89.5 °
VS: 5,055.49'



In/Out Mud Wt: 9.7/9.7 Vis 35/35



T 11249' MD TOOH
FOR MWD TOOL

mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v
sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;	sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;	sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;	sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;	sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;	sft-sft, sb ply- sb blk, v cal, crptl, inbd w/marl ;
MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-	MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-	MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-	MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-	MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-	MARL- med-dk gy, mod sft-fm, sb blk-sb ply, fri-
brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos

MD: 11,281'
TVD: 6,070.27'
Inclination: 88.7°
Azimuth: 89.6°
VS: 5,146.47'

MD: 11,373'
TVD: 6,071.07'
Inclination: 90.3°
Azimuth: 91°
VS: 5,238.44'

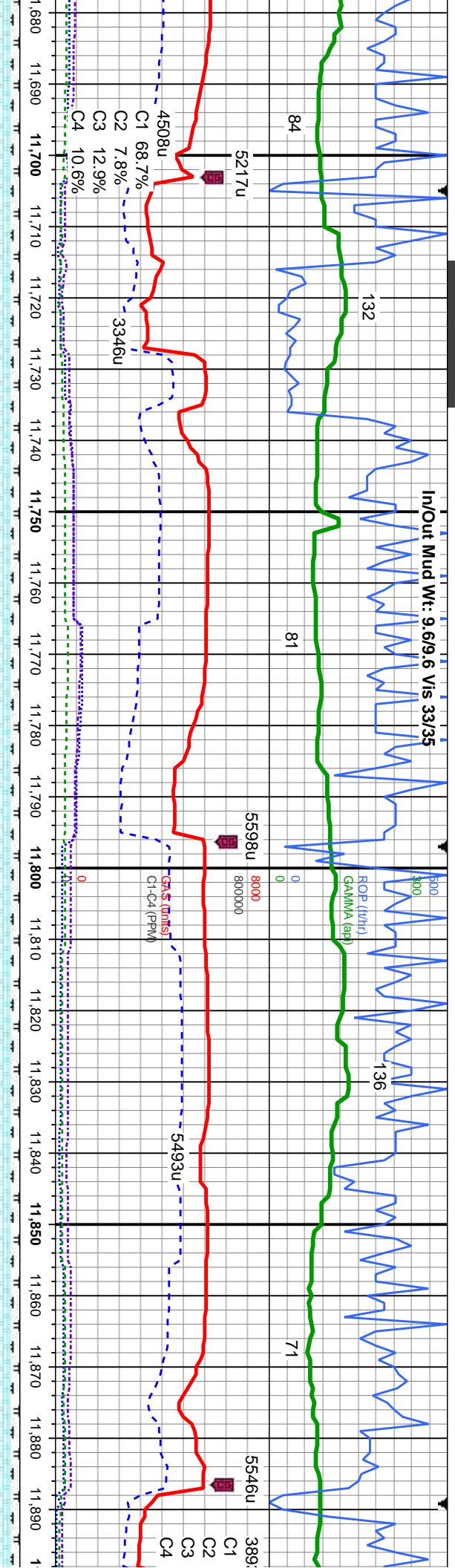
6125

TVD (ft)

MC
TV
Inc
Azi
VS



In/Out Mud Wt: 9.6/9.6 Vis 33/35



CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v
sft-sft, sb ply- sb biky, v calc, crptxl, inbnd w/marl ;	sft-sft, sb ply- sb biky, v calc, crptxl, inbnd w/marl ;	sft-sft, sb ply- sb biky, v calc, crptxl, inbnd w/marl ;	sft-sft, sb ply- sb biky, v calc, crptxl, inbnd w/marl ;
MARL: med-dk gy, mod sft-fm, sb biky-sb ply, tri-	MARL: med-dk gy, mod sft-fm, sb biky-sb ply, tri-	MARL: med-dk gy, mod sft-fm, sb biky-sb ply, tri-	MARL: med-dk gy, mod sft-fm, sb biky-sb ply, tri-
brit, sil, calc, tr cal, tr fos	brit, sil, calc, tr cal, tr fos, tr bent	brit, sil, calc, tr cal, tr fos, tr bent	brit, sil, calc, tr cal, tr fos, tr bent

96' Fault

MD: 11,739'
TVD: 6,069.71'
Inclination: 90.2 °
Azimuth: 88.6 °
VS: 5,604.37'

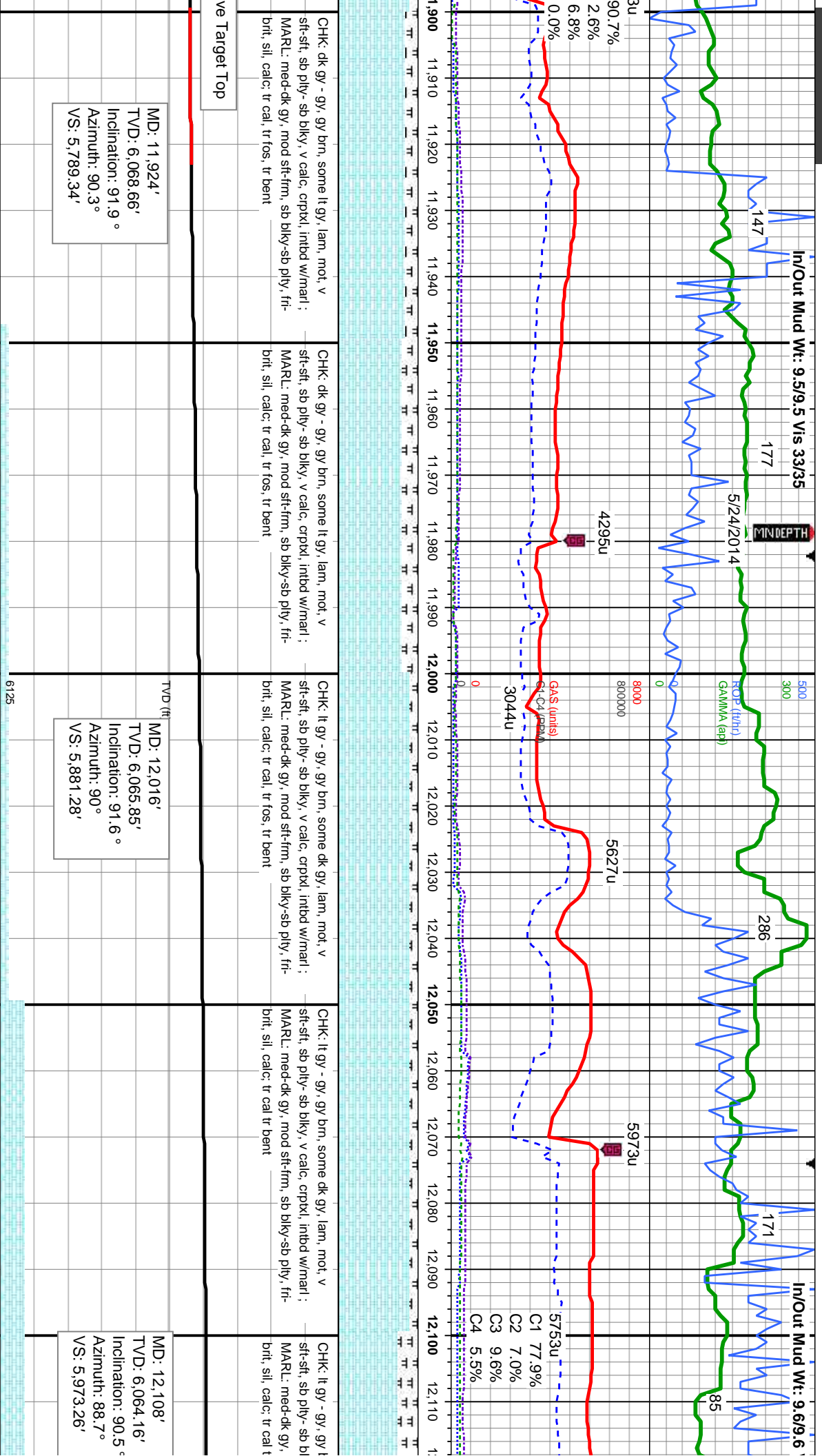
70' Above Target Top

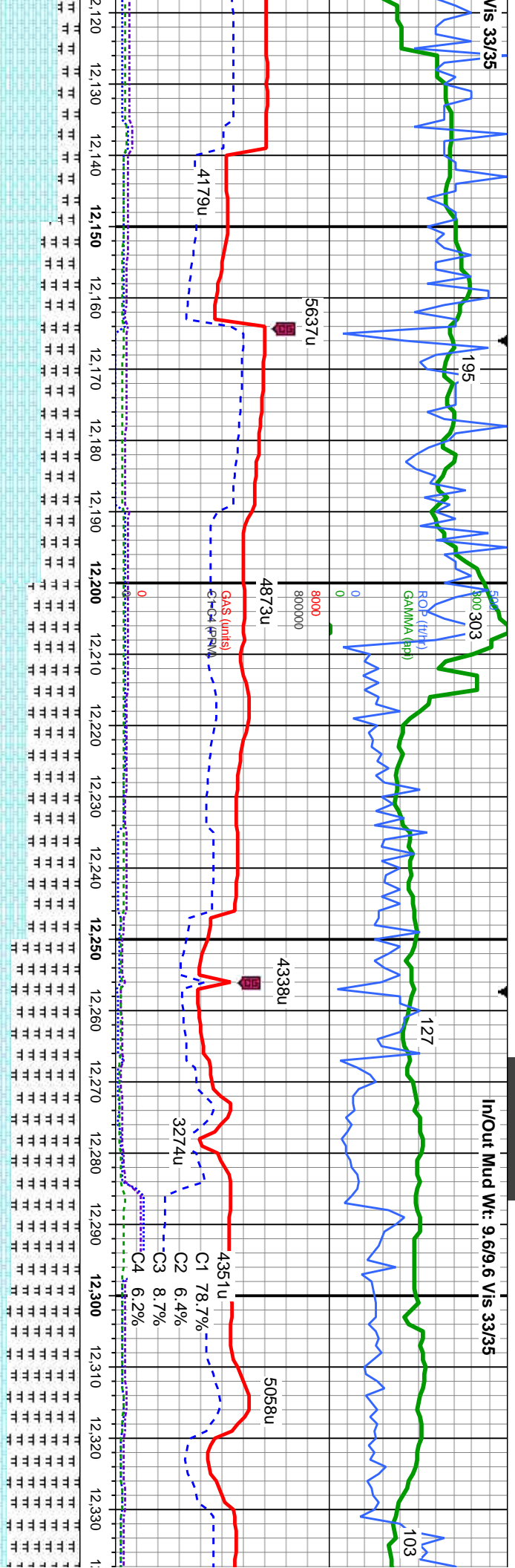
66' Above Target Top

MD: 11,831'
TVD: 6,069.87'
Inclination: 89.6 °
Azimuth: 88.2 °
VS: 5,696.36'

57' Abo







orn, some dk gy, lam, mot, v ky, v calc, crptl, inbd w/marl; mod stf-fm, sb blk-y-sb ply, tri- bent	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v stf-stf, sb ply- sb blk-y, v calc, crptl, inbd w/marl; MARL- med-dk gy, mod stf-fm, sb blk-y-sb ply, tri- brlt, sil, calc; tr cal tr bent	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v stf-stf, sb ply- sb blk-y, v calc, crptl, inbd w/marl; MARL- med-dk gy, mod stf-fm, sb blk-y-sb ply, tri- brlt, sil, calc; tr cal tr bent	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v stf-stf, sb ply- sb blk-y, v calc, crptl, inbd w/marl; MARL- med-dk gy, mod stf-fm, sb blk-y-sb ply, tri- brlt, sil, calc; tr cal tr bent	CHK: It gy - gy, gy brn, some dk gy, lam, mot, v stf-stf, sb ply- sb blk-y, v calc, crptl, inbd w/marl; MARL- med-dk gy, mod stf-fm, sb blk-y-sb ply, tri- brlt, sil, calc; tr cal tr bent
--	---	---	---	---

MD: 12,199'
TVD: 6,064.16'
Inclination: 89.5 °
Azimuth: 89.2°
VS: 6,064.26'

MD: 12,291'
TVD: 6,063.28'
Inclination: 91.6 °
Azimuth: 89°
VS: 6,156.25'

6125



