



Scale: 5" / 100'
Measured Depth Log

Well Name Arellano L-10-9HN

Location Sec 10 T5N R65W

State Colorado

County Weld

Country United States

Rig Number Frontier (Utah) 8

API Number 05-123-41113

AFE # 41113

Region DJ Basin

Field Wattenberg

Spud Date 3/26/2015

Drilling Completed 5/13/2015

Surface Coordinates N 40.411005 W 104.641077

Ground Elevation 4616'

K.B. Elevation 4640'

Logged Interval 6000' To 13677'

Total Depth 13677'

Formation Niobrara

Type of Drilling Fluid FWLSND

Operator

Company Bayswater Exploration & Production, LLC.

Address 730 17th St.
Denver, CO 80202

Geologist

Name Mark E. Brown

Company Bayswater Exploration & Production, LLC.

Address 730 17th St.
Denver, CO 80202

Other

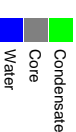
Robert Davis Wellsite Geologist

Ben Katka Wellsite Geologist

Columbine Logging Computer 148

Bloodhound Unit 298

Zone Color Coding



Rock Types

UNKNOWN	COAL	MARLSTONE	SHALY SANDSTONE
ANHYDRITE	CONGLOMERATE	METAMORPHIC	SHALY SILTSTONE
BENTONITE	DOLOMITE	NO SAMPLE	SILTY SHALE
BRECCIA	DOLOMITIC LIMESTONE	SALT	SILTSTONE
CHALK	GRANITE	SANDSTONE	TILL
CEMENT	GYPSUM	SALT-PEPPER SANC	TUFF
CHERT	IGNEOUS	SHALE	WELDED TUFF
CLAY CHOKE SANC	SIDERITE or LIMONITE	SHALE COLORED	
CLAYSTONE	LIMESTONE	SHALE GRAY	

Accessories

GASTROPOD	ARGILLITE GRAIN	HEAVY MINERAL	
INOCERAMUS	B BENTONITE	K KAOLIN	
ALGAE	BITUMENOUS SUBSTANCE	M MARCASITE	ANHYDRITE STRINGER
AMPHIPORA	BRECCIA FRAGMENTS	M MARLSTONE	BENTONITE STRINGER
BELEMNITE	C CALCAREOUS	M MICACEOUS	COAL STRINGER
BIOCLASTIC	P PELLET	M MINERAL CRYSTALS	DOLOMITE STRINGER
BRACHIOPOD	P PISOLITE	N NODULES	GYPSUM STRINGER
BRYOZOA	P PLANT REMAINS	P PHOSPHATE PELLETS	LIMESTONE STRINGER
CEPHALOPOD	C COAL - THIN BEDS	P PYRITE	MARLSTONE (GALC) STRG
CORAL	D DOLOMITIC	S SALT CAST	MARLSTONE (DOL) STRG
CRINOID	S STROMATOPOROID	S SANDY	SANDSTONE STRINGER
ECHINOID	F FERRUGINOUS PELLET	S SIDERITE	SHALE STRINGER
FISH			
FORAMINIFERA	A ANHYDRITIC	S SILICEOUS	SILTSTONE STRINGER
F FOSSIL	A ARGILLACEOUS	S SILTY	
		T TUFFACEOUS	

Oil Show

P PINPOINT
V VUGGY




































Engineering

D DEAD
E EVEN
Q QUESTIONABLE
B BIT
S SPOTTED STAINING
C CONNECTION (UP)

Porosity

C CONNECTION (DOWN)	C CONNECTION GAS
E EARTHY	C CONNECTION GAS (LEFT)
F FENESTRAL	T TRIP GAS
F FRACTURE	T TRIP GAS (LEFT)
I INTERCRYSTALLINE	D DOWN TIME GAS
I INTEROOLITIC	D DOWN TIME GAS (LEFT)
M MOLDIC	C CORE - LOST
O ORGANIC	C CORE - RECOVERED

Other Symbols

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

Slide/Rotate

ROP

ROP

Total Gas & Chromatograph

GAS
C1
C2
C3
C4

Depth Labels

% Lith

Gamma

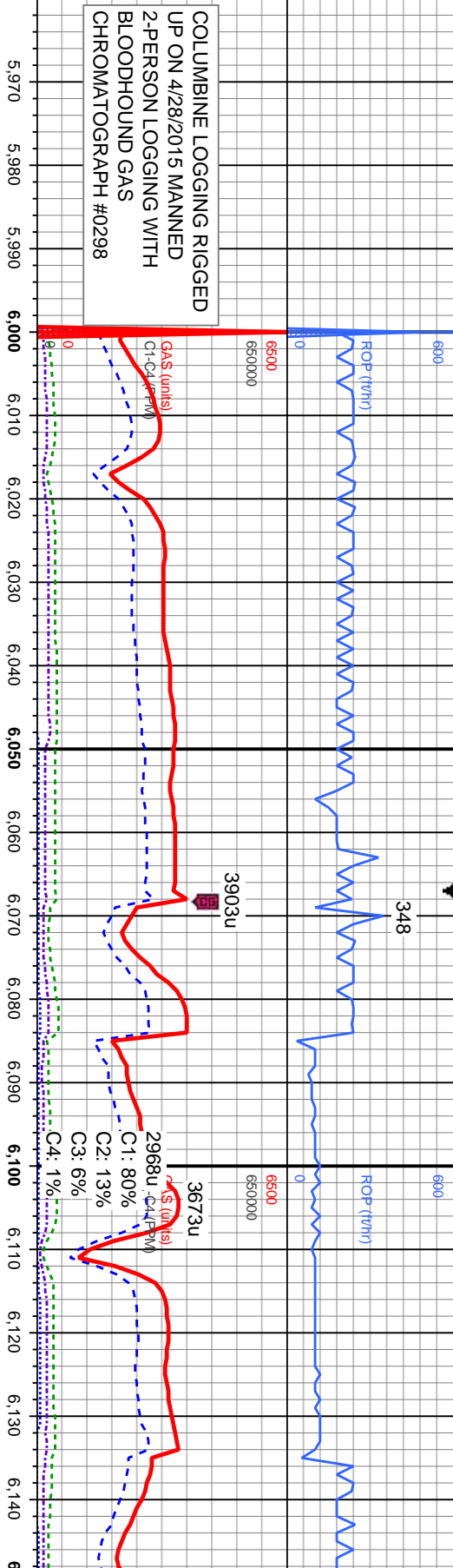
GAMMA

Well Bore

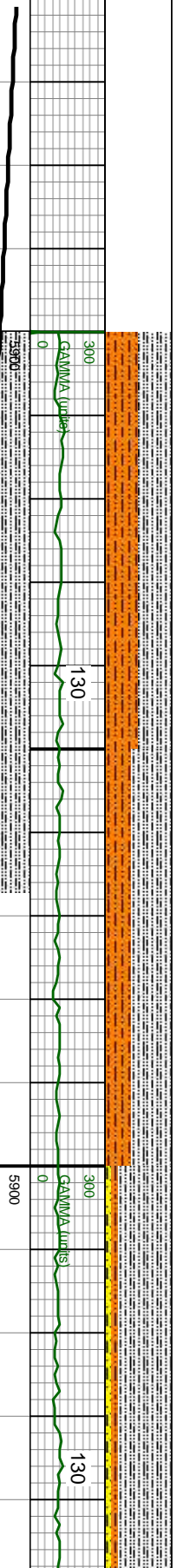
TVD

Oil Show

Images



COLUMBINE LOGGING RIGGED
UP ON 4/28/2015 MANNED
2-PERSON LOGGING WITH
BLOODHOUND GAS
CHROMATOGRAPH #0298



MD: 6,017'
TVD: 5,988.18'
Inclination: 1.1°
Azimuth: 329.1°
VS: -160.37'

BEGIN LOGGING F/ 6000' MD
@ 14:46 HRS ON 4/28/2015

TVD (ft)

SHY SLTST: lt-med gy, silt-vf gr, sl frm-hd, sb pily-sb blkly, gt tex, arg cnt, sh incl, non calc;
SLTY SH: med-dk gy, silt-mic gr, sl frm, sb pily-pily, rthy-sb rthy tex, mot ip, non calc, mod
dise, v sl string, wh/lt-bl cut

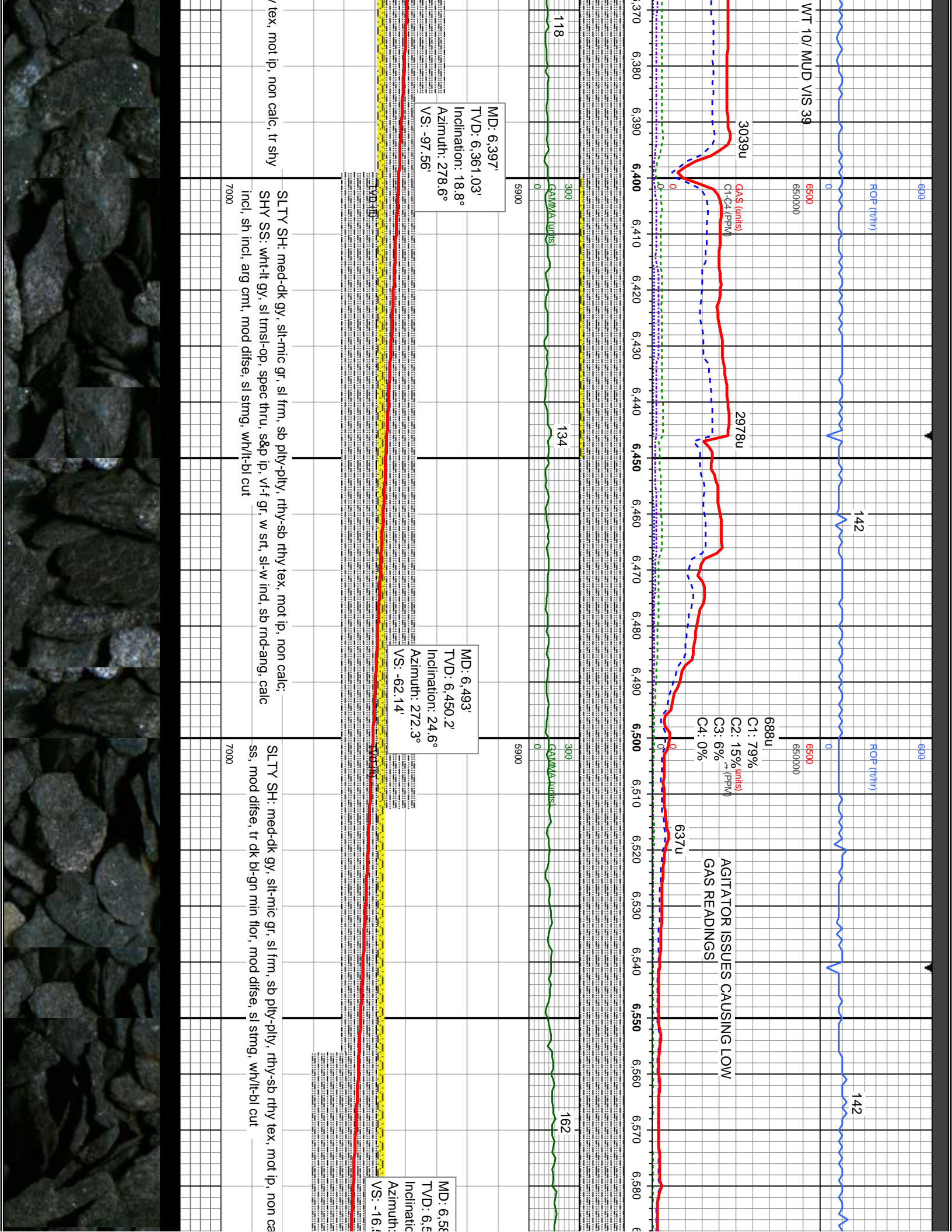
MD: 6,112'
TVD: 6,083.04'
Inclination: 4.7°
Azimuth: 290.8°
VS: -156.13'

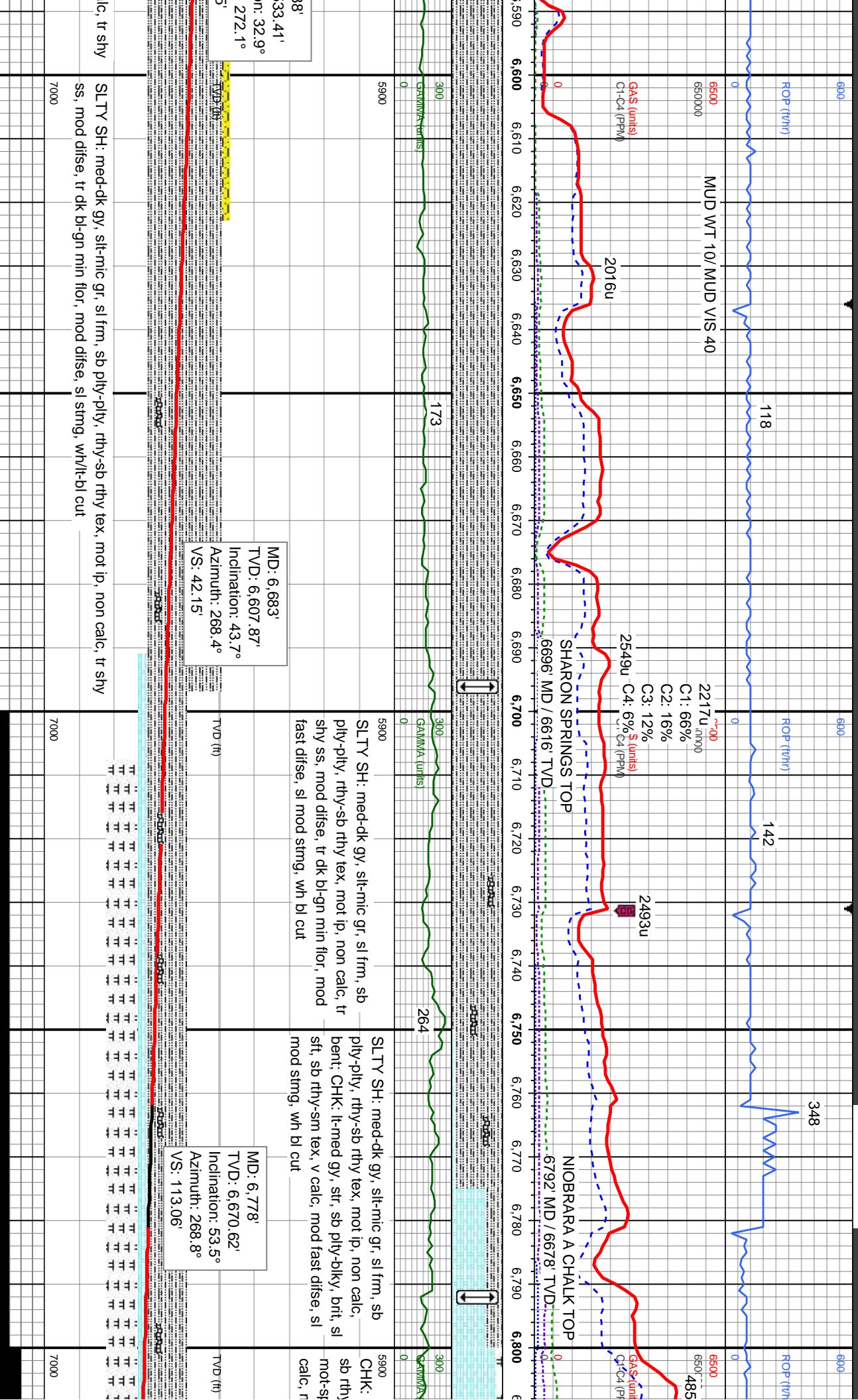
TVD (ft)

SLTY SH: med-dk gy, silt-mic gr, sl frm, sb
SHY SLTST: lt-med gy, silt-vf gr, sl frm-hd,
calc; SHY SS: wh-lt gy, sl trns-op, spec th
calc incl, sh incl, arg cnt, mod dise, v sl str

E
G
M
F
T
S







4/29/2015

MINDEPTH

ROP (ft/hr)

183

ROP (ft/hr)

183

MUD WT 10/ MUD VIS 39

5314u

4816u

5293u

4407u

C1: 74% PPM

C2: 16%

C3: 7%

C4: 3%

GAS (ft/min)

Cl-C4 (PPM)

NIORARA A MARL TOP

6832 MD / 6700' TVD

197

300

GAS (ft/min)

Cl-C4 (PPM)

229

300

GAS (ft/min)

Cl-C4 (PPM)

lt-med gy, str, sb pily-bilky, brit, sl sft, sb pily-pty, gt tex, calc, tr diss pyr; CHK: lt-med gy, str, sb pily-bilky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pty, gt tex, calc, tr diss pyr; CHK: lt-med gy, str, sb pily-bilky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pty, gt tex, calc, tr diss pyr; CHK: lt-med gy, str, sb pily-bilky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pty, gt tex, calc, tr diss pyr; CHK: lt-med gy, str, sb pily-bilky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pty, gt tex, calc, tr diss pyr; CHK: lt-med gy, str, sb pily-bilky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod stmg, bri bl cut

MD: 6,826'
TVD: 6,697.62'
Inclination: 58°
Azimuth: 268.6°
VS: 152.58'

MD: 6,874'
TVD: 6,721.73'
Inclination: 61.7°
Azimuth: 267.4°
VS: 193.88'

MD: 6,922'
TVD: 6,743.18'
Inclination: 65.2°
Azimuth: 266.7°
VS: 236.54'

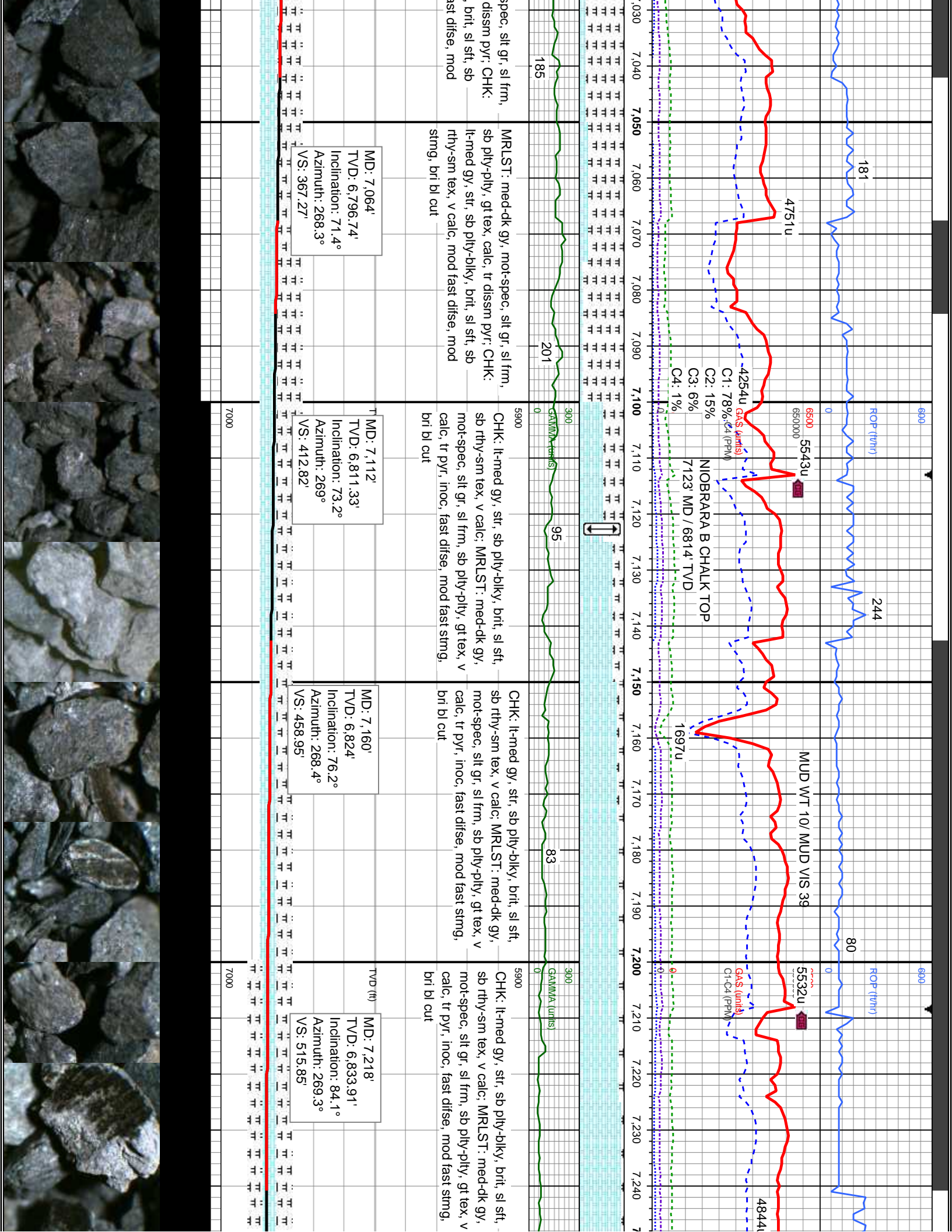
MD: 6,969'
TVD: 6,762.26'
Inclination: 66.9°
Azimuth: 267.9°
VS: 279.23'

MD: 7,017'
TVD: 6,780.55'
Inclination: 68.3°
Azimuth: 267.4°
VS: 323.37'

7000

7000





4/30/2015 - 5/10/2015

MINDEPTH

244

ROP (W/H)

372

810

ROP (W/H)

TD Curve 7268' MD @
05:17 hrs MST 4/29/2015

MUD WT 9.1+ / MUD VIS 40

MUD WT 9.1+ / MUD VIS 43

Resumed
drilling lateral @
17:46 hrs MST
5/10/2015

C1: 78%
C2: 15%
C3: 6%
C4: 1%

GAS (units)
C1-C4 (PPM)

GAS (units)
C1-C4 (PPM)

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

400

410

420

430

440

450

460

470

119

300

300

112

GAMMA (units)

GAMMA (units)

5900

5900

5900

5900

CHK: lt-med gy, str, sb ply-blky, brit, sl sft,
sb rthy-sm tex, v calc; MRLST: med-dk gy,
mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v
calc, tr pyr, inoc, fast difse, mod fast string,
bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft,
sb rthy-sm tex, v calc, fast difse, mod fast
string, bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft,
sb rthy-sm tex, v calc; MRLST: med-dk gy,
mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v
calc, tr pyr, inoc, fast difse, mod fast string,
bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft,
sb rthy-sm tex, v calc, fast difse, mod fast
string, bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft,
sb rthy-sm tex, v calc, fast difse, mod fast
string, bri bl cut

PTB

MD: 7,268'
TVD: 6,837.14'
Inclination: 88.5°
Azimuth: 269.3°
VS: 565.6'

MD: 7,293'
TVD: 6,839.8'
Inclination: 86.9°
Azimuth: 272°
VS: 590.51'

Depth In: 7,258'
Depth Out: 12,662'
Hours: 36 hrs
Avg Ft/Hr: 150.1' /hr
Jets: 5X14
S/N: A213649

MD: 7,339'
TVD: 6,841.52'
Inclination: 88.8°
Azimuth: 272.3°
VS: 636.46'

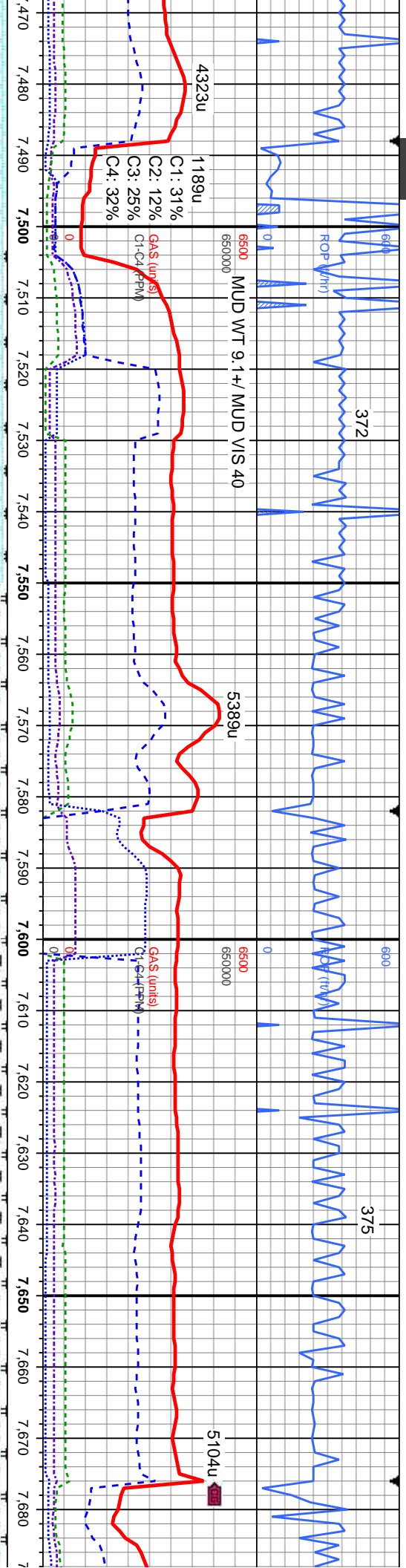
MD: 7,433'
TVD: 6,841.44'
Inclination: 91.3°
Azimuth: 268.8°
VS: 730.31'

7000

7000

TVD (ft)





str, sb pty-blky, brit, sl sft, v calc, fast difse, mod fast	CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, fast difse, mod fast string, bri bl cut	CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, fast difse, mod fast string, bri bl cut	CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, fast difse, mod fast string, bri bl cut	CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, fast difse, mod fast string, bri bl cut
TVD (ft)	MD: 7,527' TVD: 6,840.37' Inclination: 90° Azimuth: 269.3° VS: 824'	TVD (ft)	MD: 7,621' TVD: 6,840.87' Inclination: 89.4° Azimuth: 268.8° VS: 917.71'	
7000		7000		



5/11/2015

348

ROP (WV)

810

ROP (WV)

MUD WT 9.2/ MUD VIS 41

4443u

4150u

4323u

3963u

C1: 73%

C2: 17%

C3: 9%

C4: 1%

GAS (units)

Cl-C4 (PPM)

0

6500

650000

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

4544u

4629u

5900

300

GAMMA (DMS)

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

5900

300

GAMMA (DMS)

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

161

300

GAMMA (DMS)

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

161

300

GAMMA (DMS)

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

161

300

GAMMA (DMS)

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

MD: 7,988'
TVD: 6,838.37'
Inclination: 90.9°
Azimuth: 271.1°
VS: 1,283.49'

MD: 8,079'
TVD: 6,838.21'
Inclination: 89.3°
Azimuth: 270.2°
VS: 1,374.37'

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pily, gt tex, v calc, tr pyr; CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod fast stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pily, gt tex, v calc, tr pyr; CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod fast stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pily, gt tex, v calc, tr pyr; CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod fast stmg, bri bl cut

MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pily, gt tex, v calc, tr pyr; CHK: lt-med difse, mod fast stmg, bri bl cut

T: med-dk gy, mot-spec, slt gr, sl frm, pily, gt tex, v calc, tr pyr; CHK: lt-med sb pily-blky, brit, sl sft, sb rthy-sm calc, mod fast difse, mod fast stmg, ut

TVD (ft)

TVD (ft)

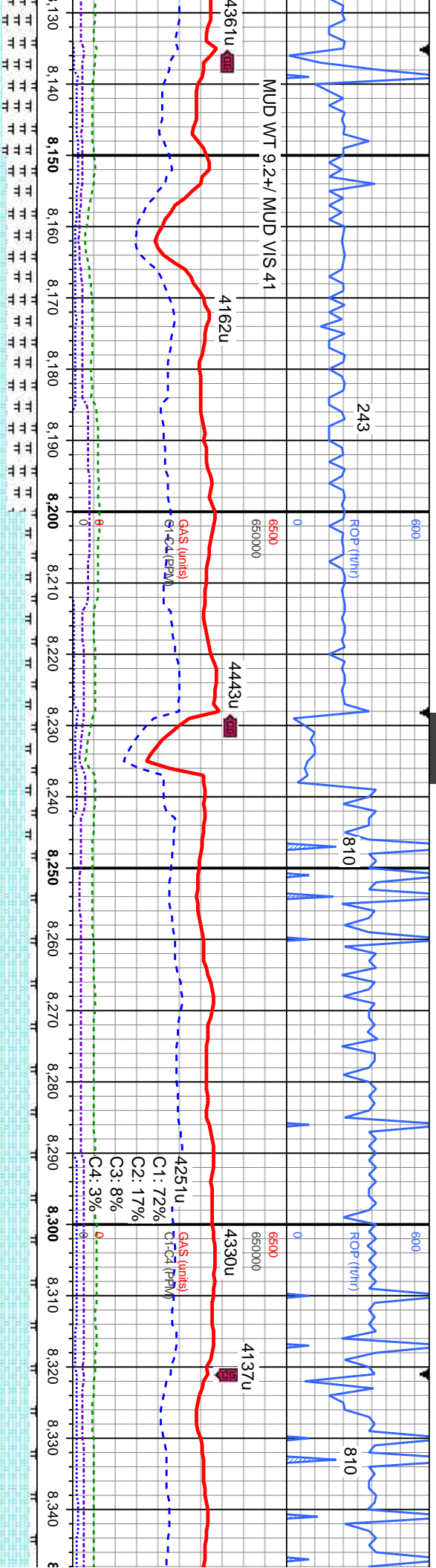
7000

7000

7000

7000





spec, silt gr, sl frm, tr pyr; CHK: lt-med
l sft, sb rthy-sm
, mod fast stmg,

163

MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pily-pty, gt tex, v calc, tr pyr; CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, mod fast difse, mod fast stmg, bri bl cut

5900

CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pily-pty, gt tex, v calc, tr pyr, fast difse, mod fast stmg, bri bl cut

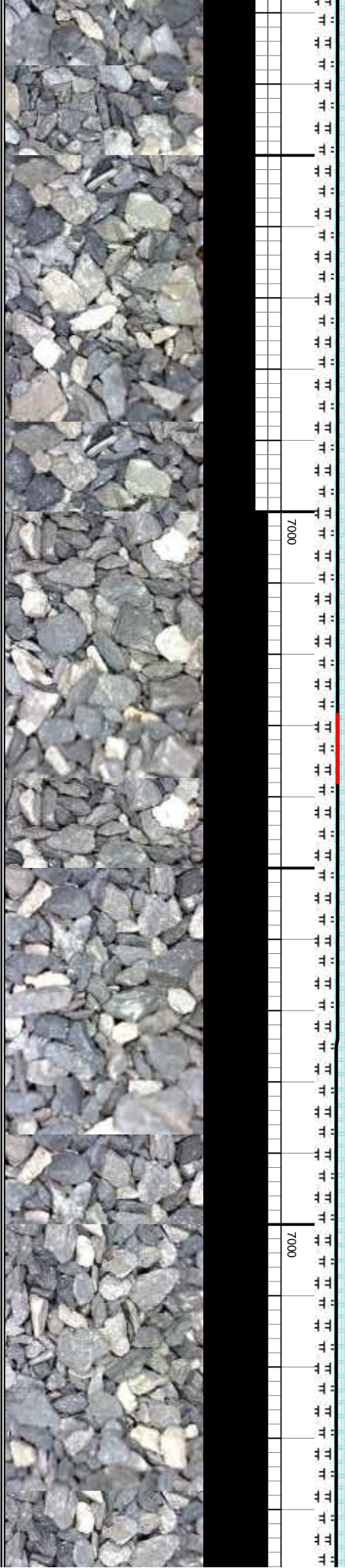
5900

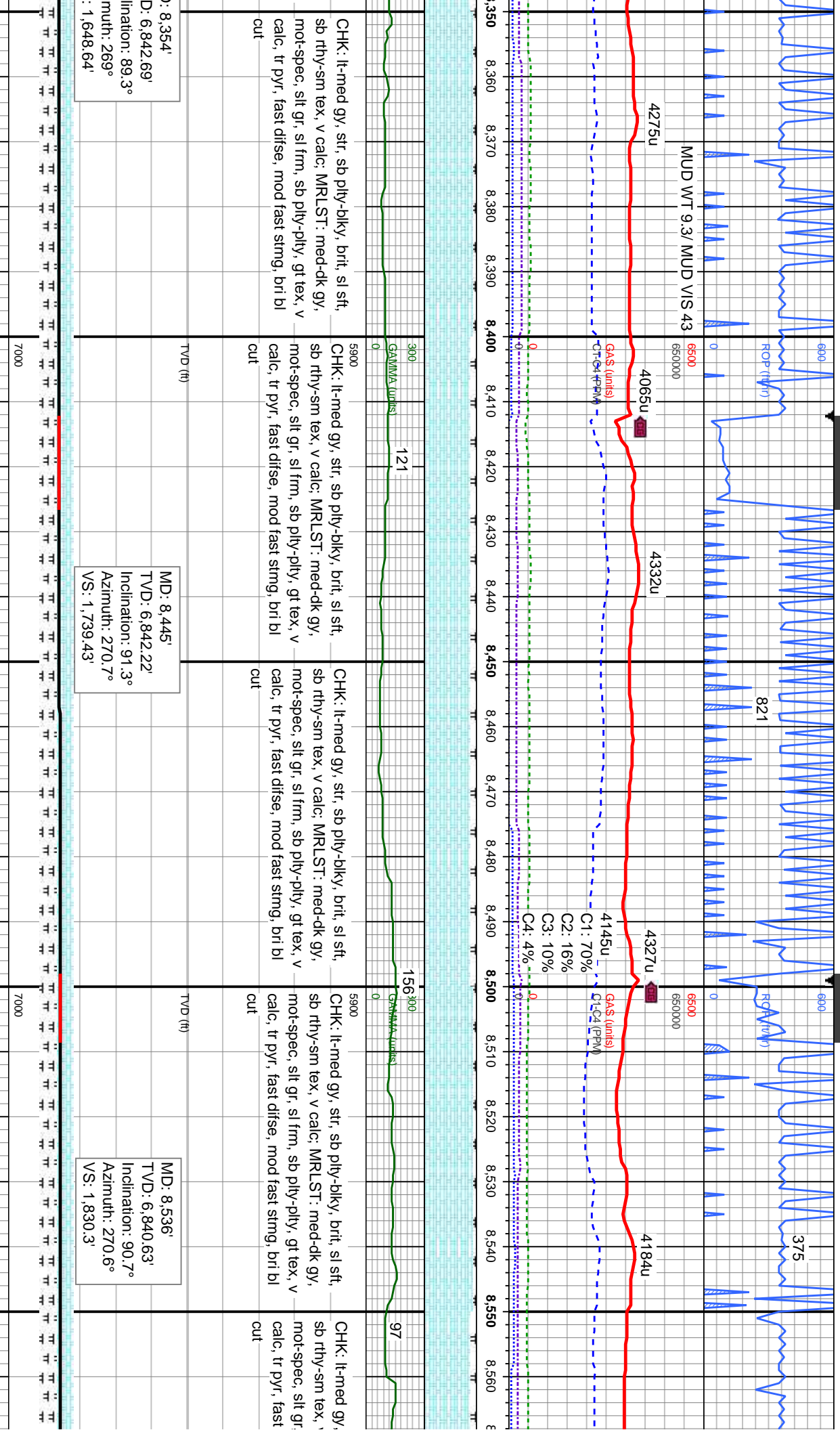
CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pily-pty, gt tex, v calc, tr pyr, fast difse, mod fast stmg, bri bl cut

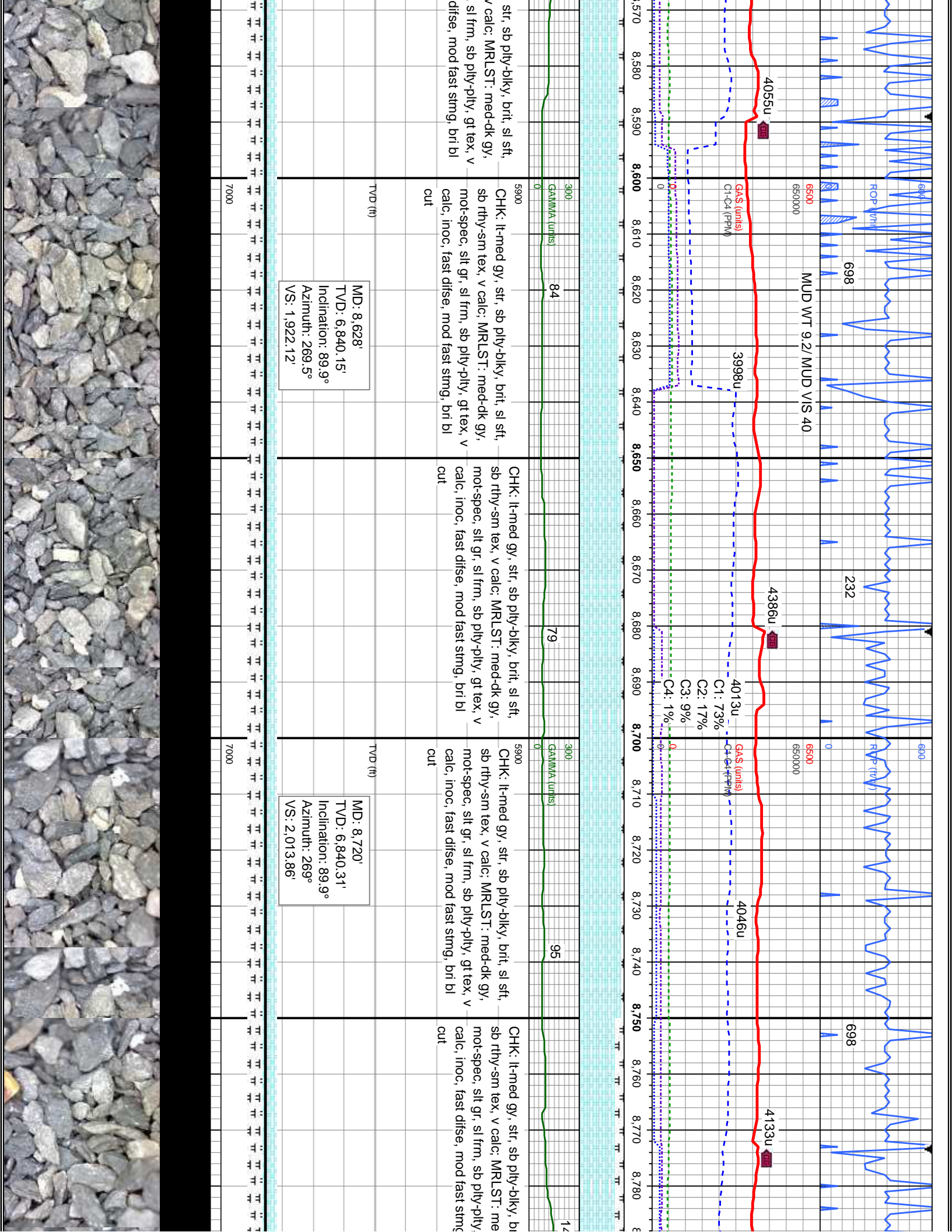
MD: 8,171'
TVD: 6,840.21'
Inclination: 88.2°
Azimuth: 269.7°
VS: 1,466.16'

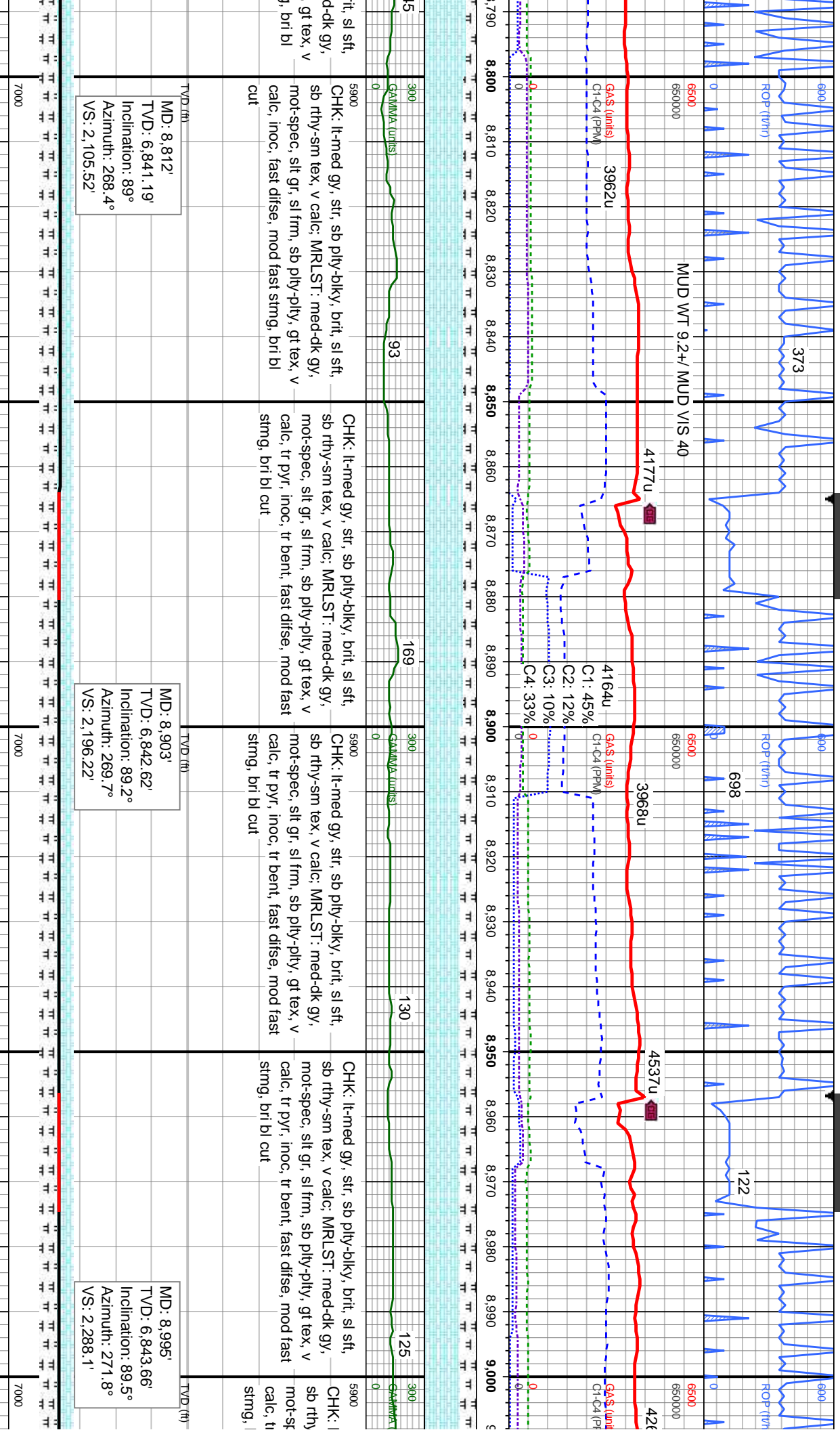
MD: 8,263'
TVD: 6,841.9'
Inclination: 89.7°
Azimuth: 269.3°
VS: 1,557.91'

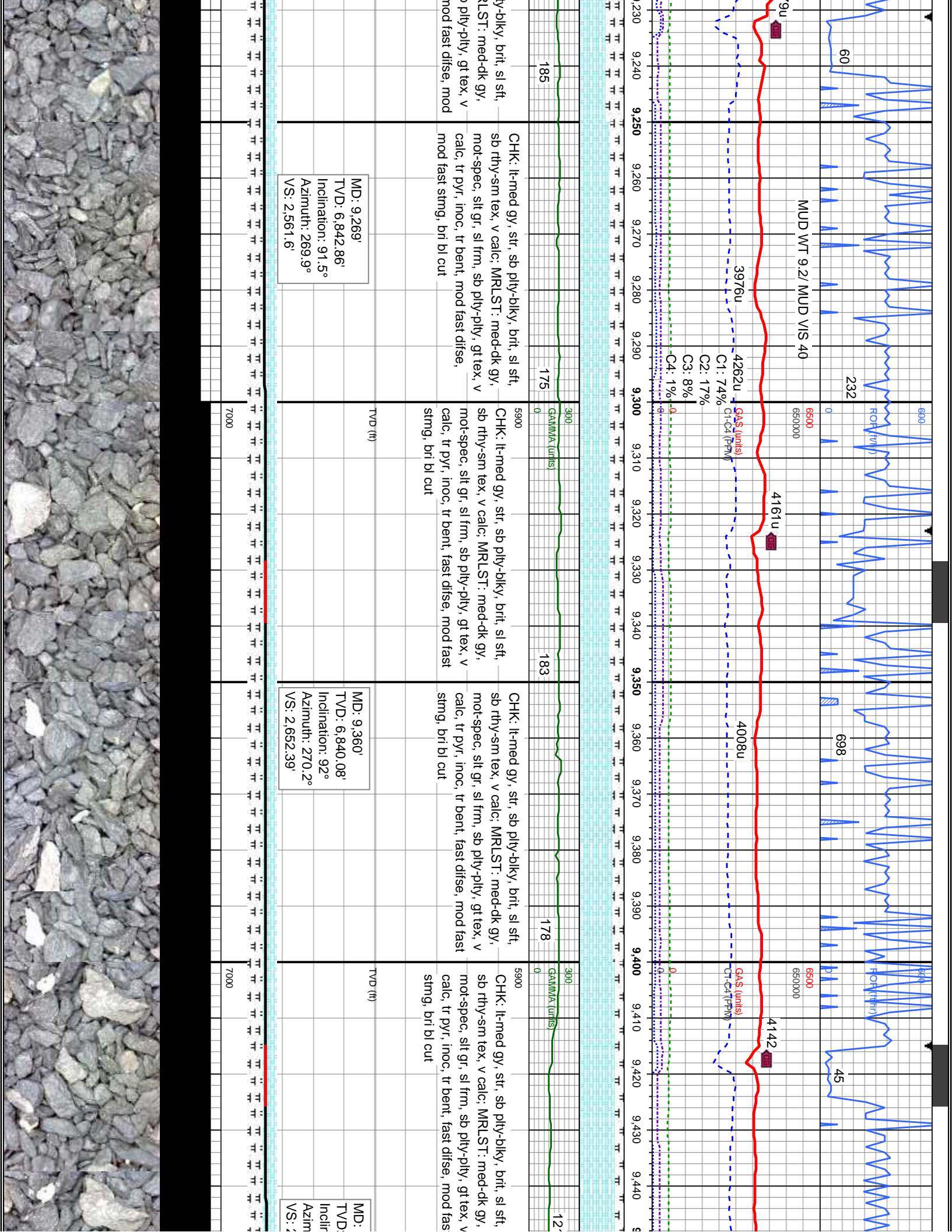
MD
TV
Inc
Azi
VS

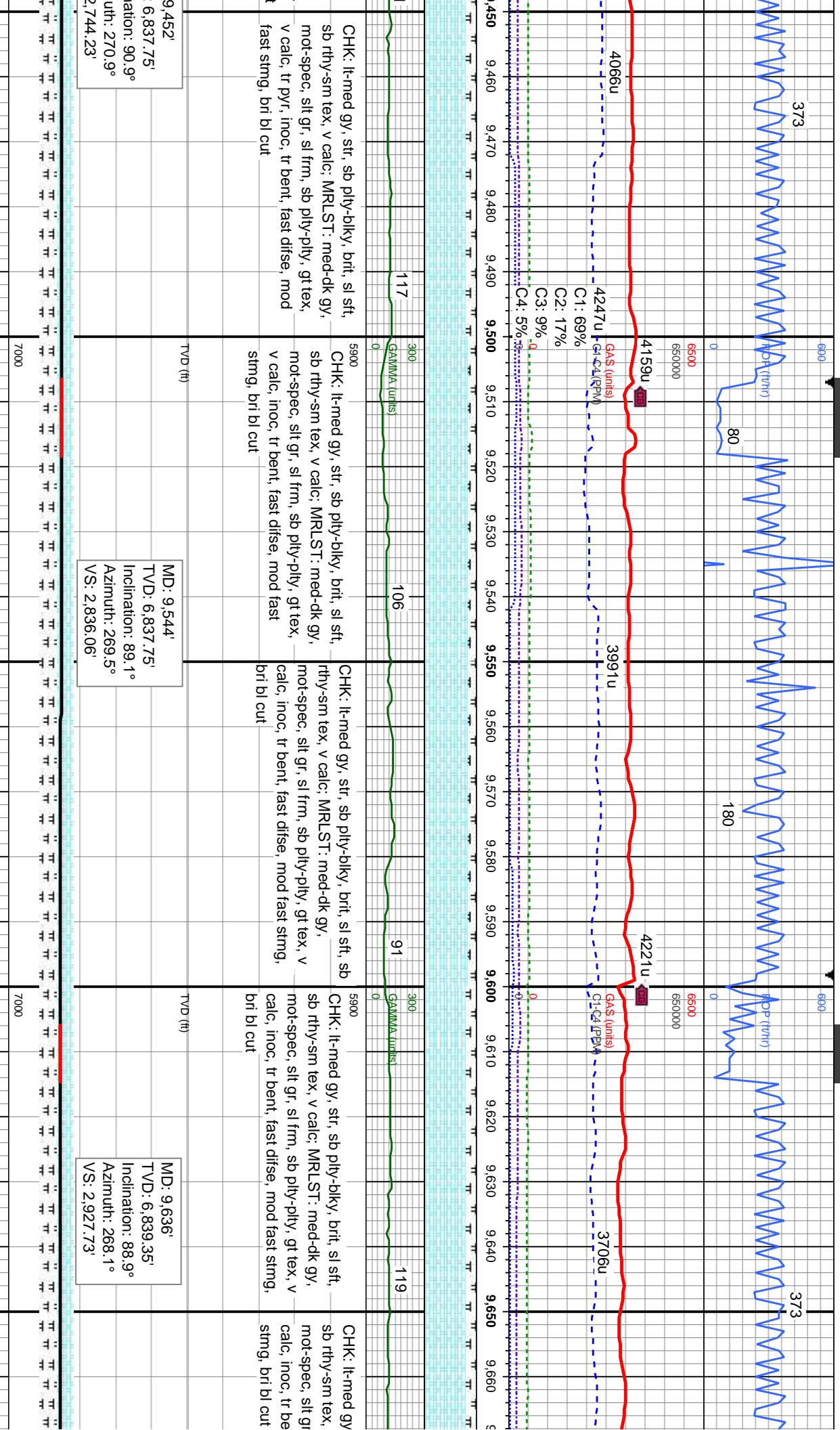


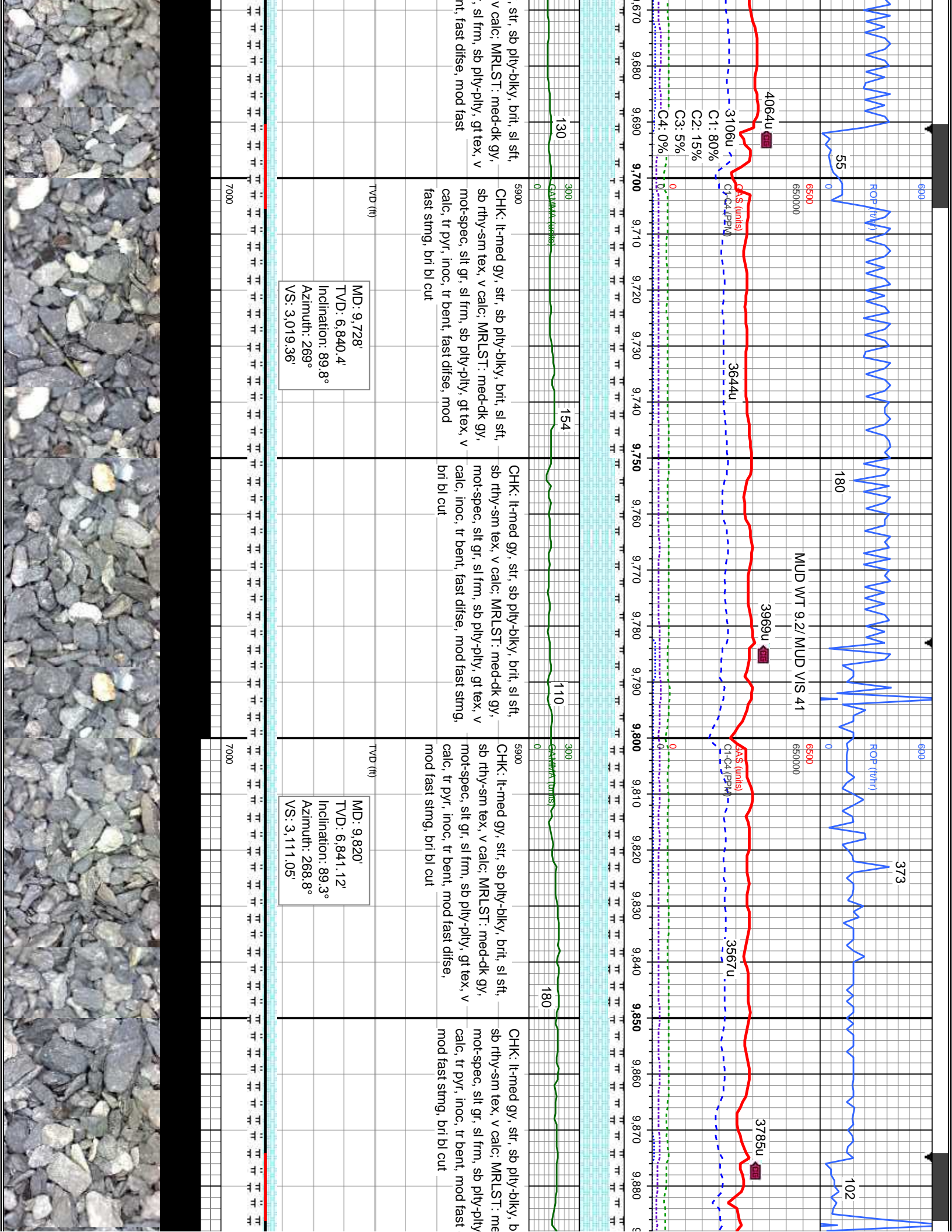


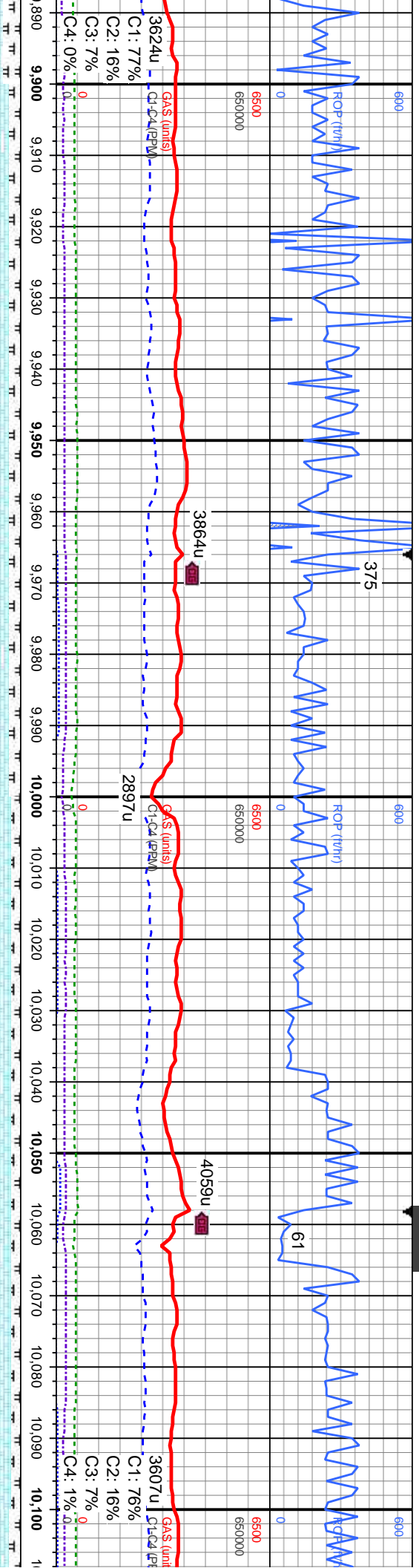












MD: 9.912'
TVD: 6,842.16'
Inclination: 89.4°
Azimuth: 270.7°
VS: 3.202.84'

MD: 10.004'
TVD: 6,843.53'
Inclination: 88.9°
Azimuth: 270.2°
VS: 3.294.69'

MD: 10.096'
TVD: 6,844.41'
Inclination: 90°
Azimuth: 269.5°
VS: 3.386.49'

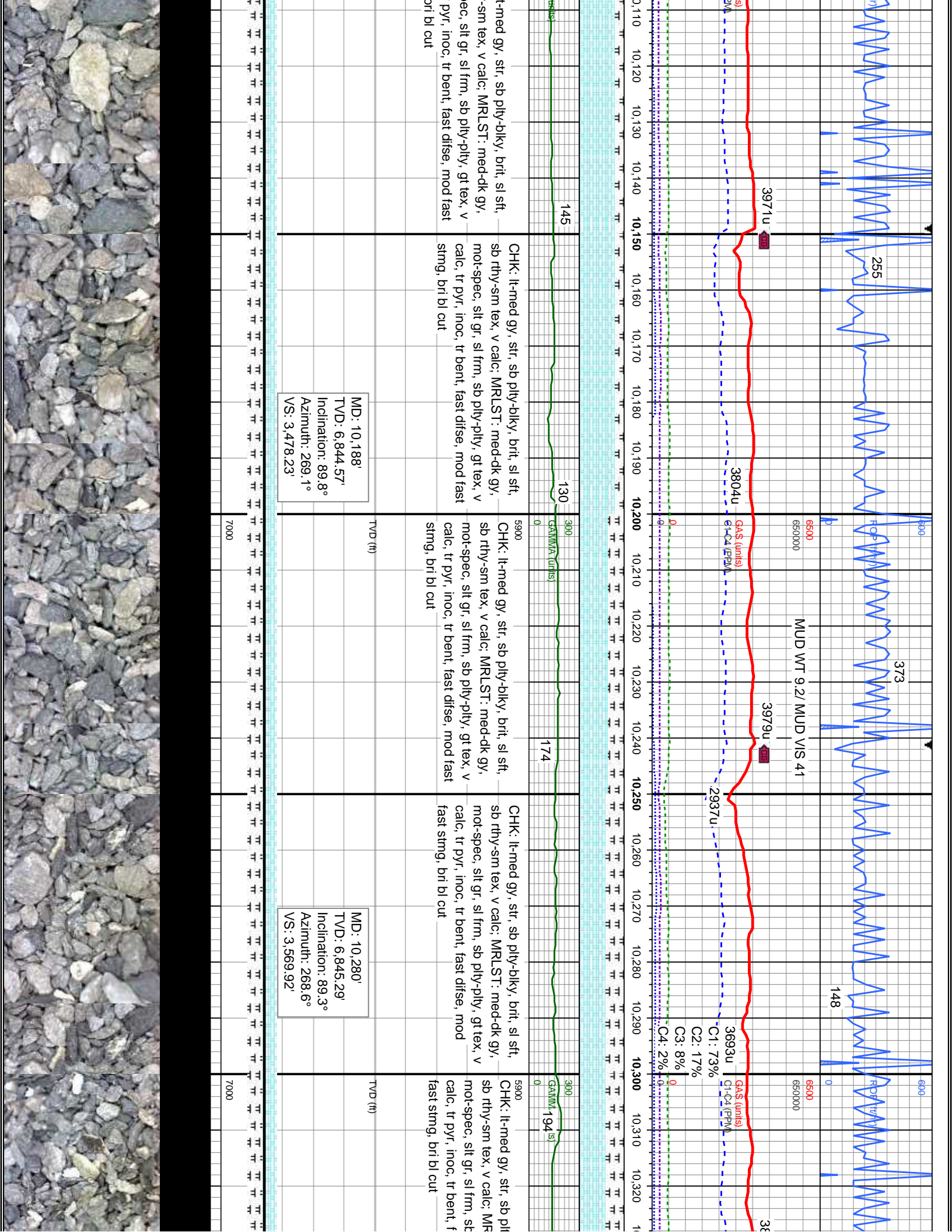
CHK: lt-med gy, str, sb pty-biky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast stimg, bri bl cut

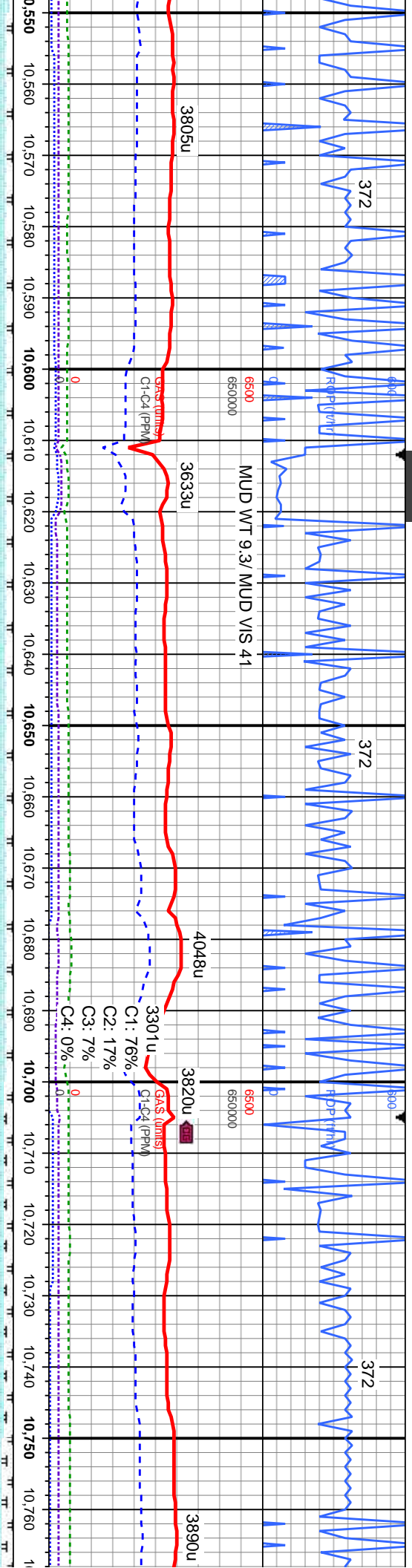
CHK: lt-med gy, str, sb pty-biky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast stimg, bri bl cut

CHK: lt-med gy, str, sb pty-biky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast stimg, bri bl cut

CHK: lt-med gy, str, sb pty-biky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast stimg, bri bl cut







CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast strng, bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast strng, bri bl cut

CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v calc, tr pyr, inoc, tr bent, fast difse, mod fast strng, bri bl cut

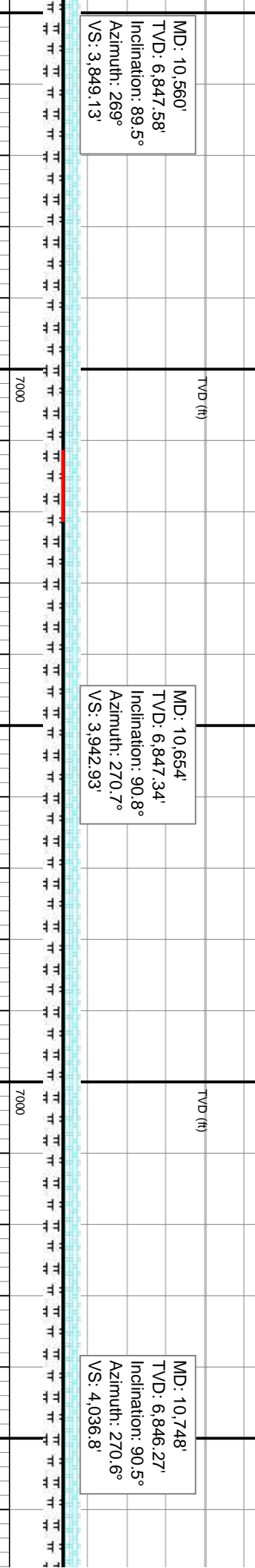
CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v calc, tr pyr, tr bent, fast difse, mod fast strng, bri bl cut

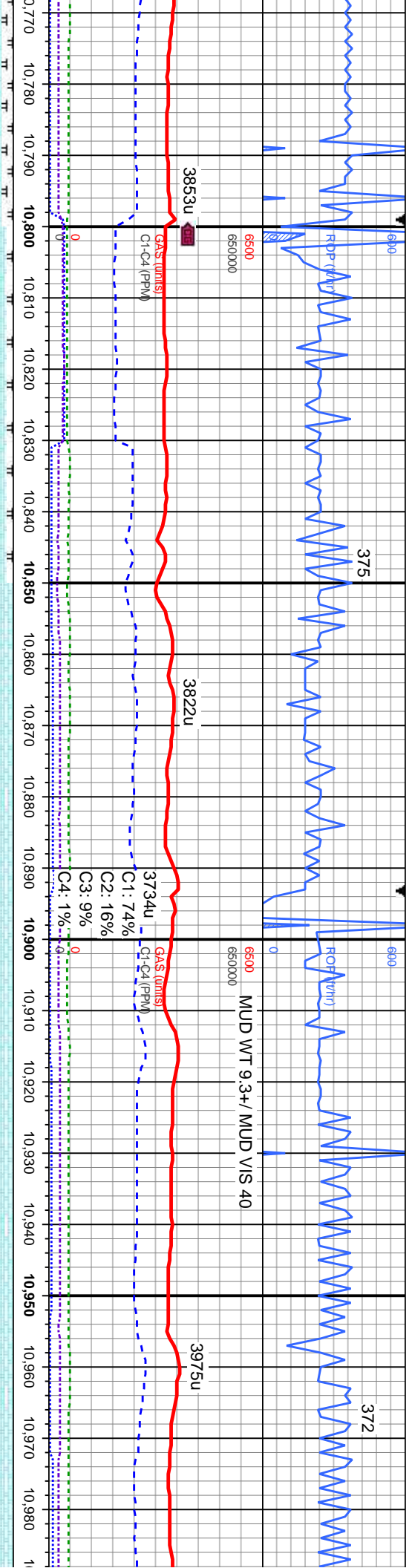
CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-pty, gt tex, v calc, tr pyr, tr bent, fast difse, mod fast strng, bri bl cut

MD: 10,560'
TVD: 6,847.58'
Inclination: 89.5°
Azimuth: 269°
VS: 3,849.13'

MD: 10,654'
TVD: 6,847.34'
Inclination: 90.8°
Azimuth: 270.7°
VS: 3,942.93'

MD: 10,748'
TVD: 6,846.27'
Inclination: 90.5°
Azimuth: 270.6°
VS: 4,036.8'

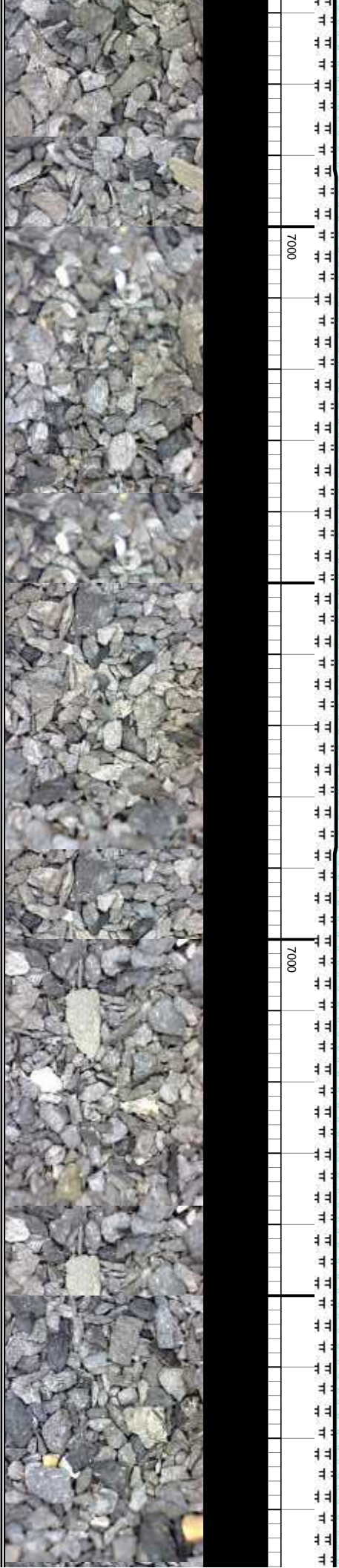


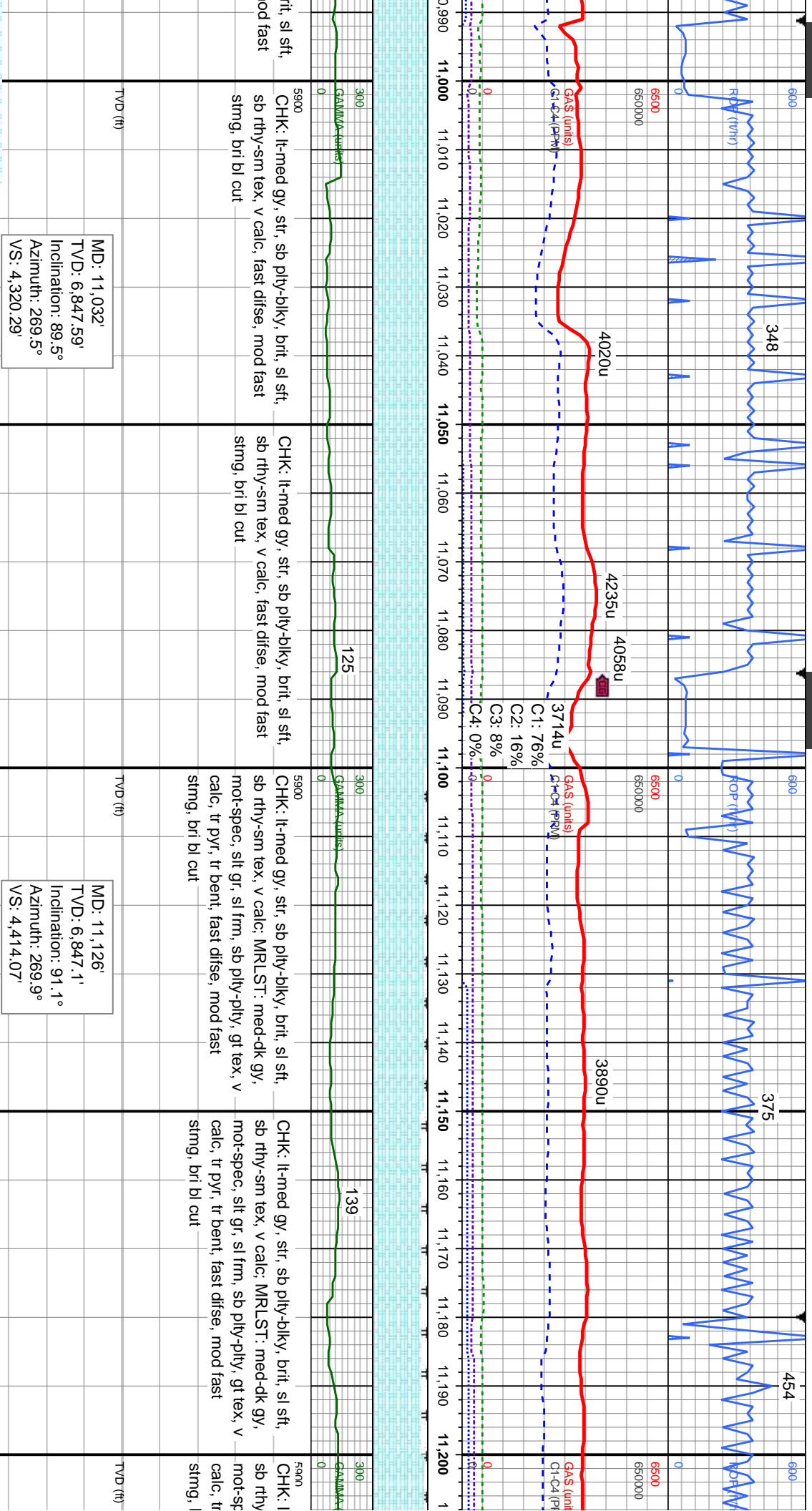


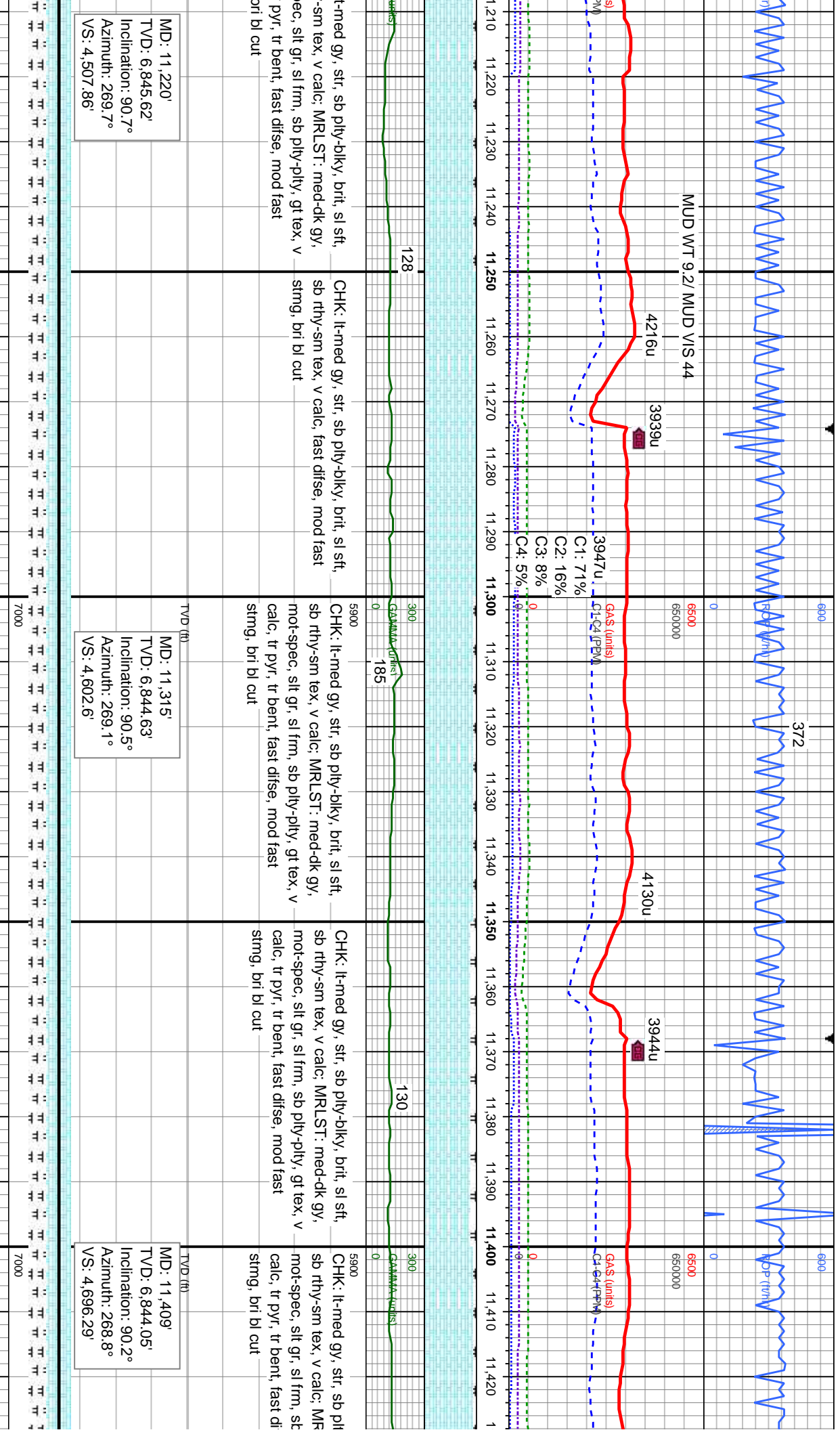
Depth (ft)	CHK: It-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pily-pily, gt tex, v calc, tr pyr, tr bent, fast difse, mod fast stmg, bri bl cut
10,770	str, sb pily-blky, brit, sl sft, v calc, MRLST: med-dk gy, sb frm, sb pily-pily, gt tex, v nnt, fast difse, mod fast
10,780	
10,790	
10,800	
10,810	
10,820	
10,830	
10,840	
10,850	
10,860	
10,870	
10,880	
10,890	
10,900	
10,910	
10,920	
10,930	
10,940	
10,950	
10,960	
10,970	
10,980	

MD: 10,843'
TVD: 6,845.69'
Inclination: 90.2°
Azimuth: 270.4°
VS: 4,131.66'

MD: 10,937'
TVD: 6,846.35'
Inclination: 89°
Azimuth: 270.2°
VS: 4,225.5'





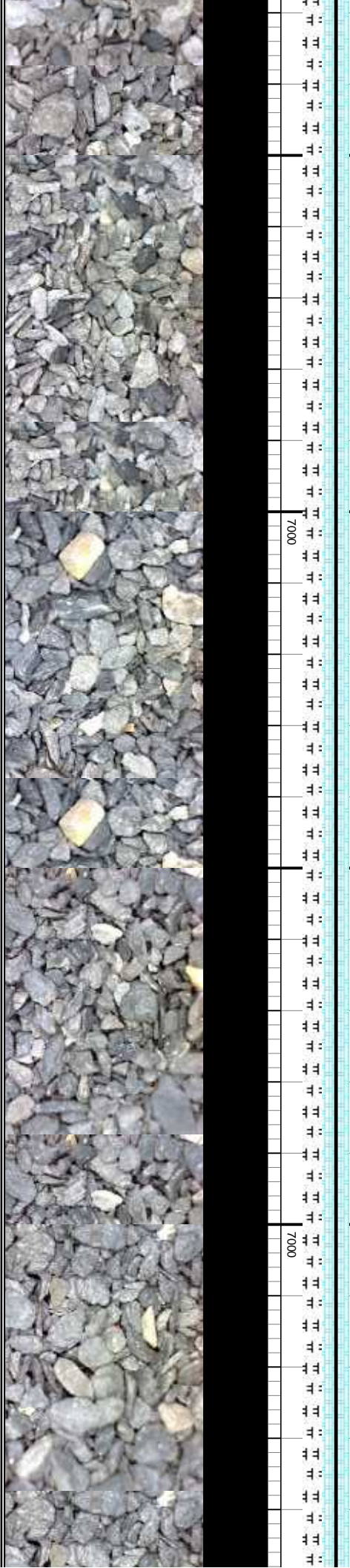
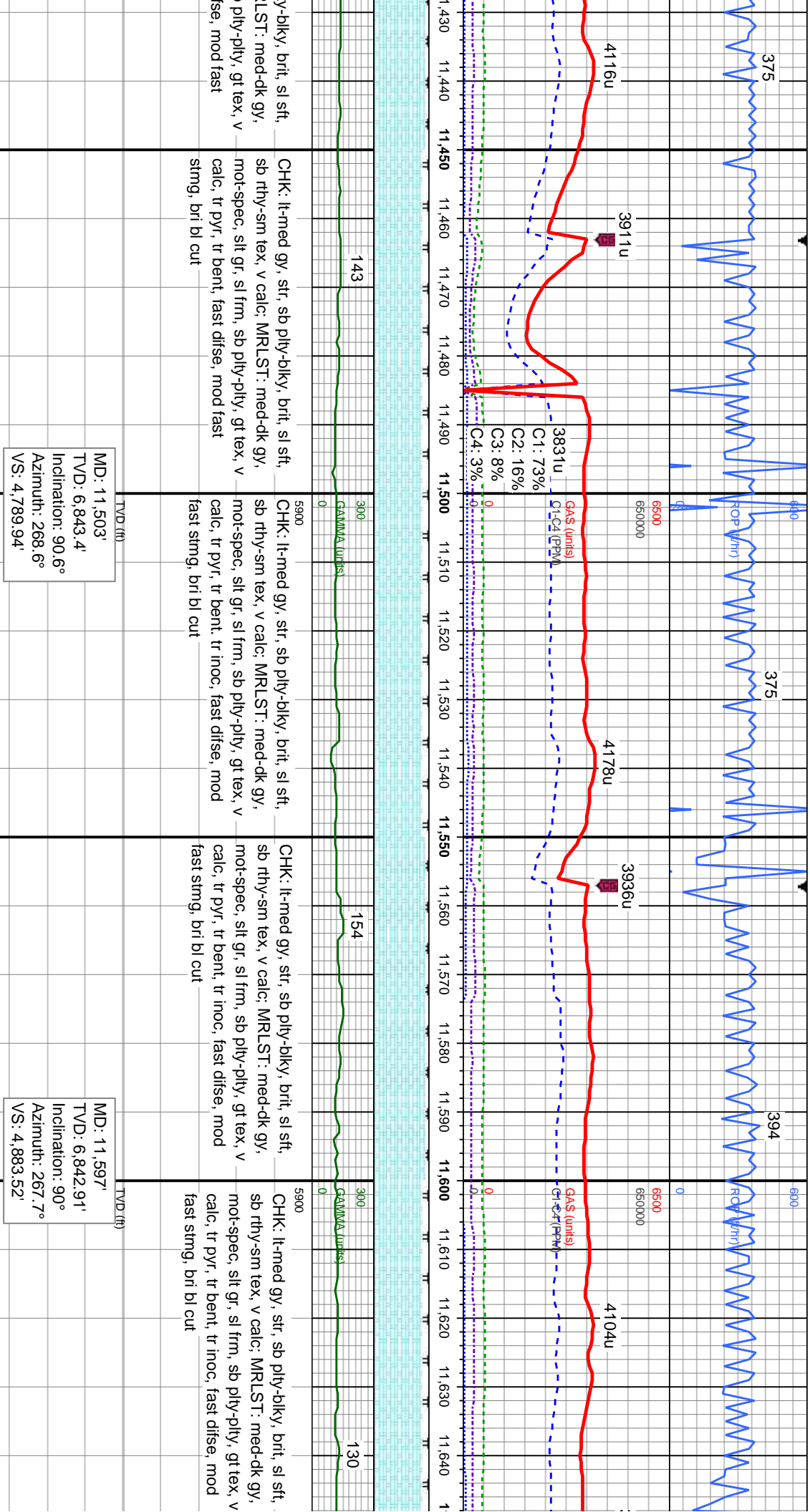


MD: 11,220'
TVD: 6,845.62'
Inclination: 90.7°
Azimuth: 269.7°
VS: 4,507.86'

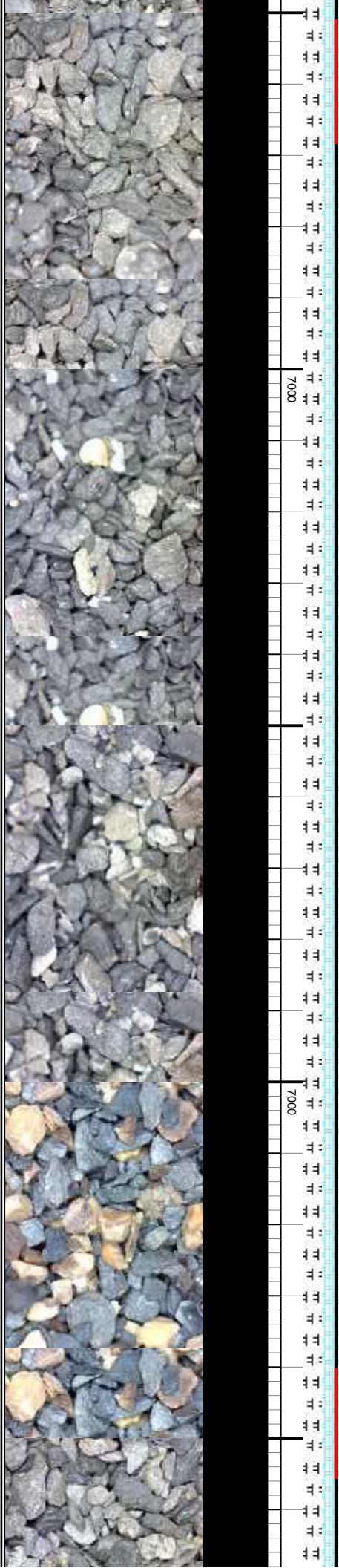
MD: 11,315'
TVD: 6,844.63'
Inclination: 90.5°
Azimuth: 269.1°
VS: 4,602.6'

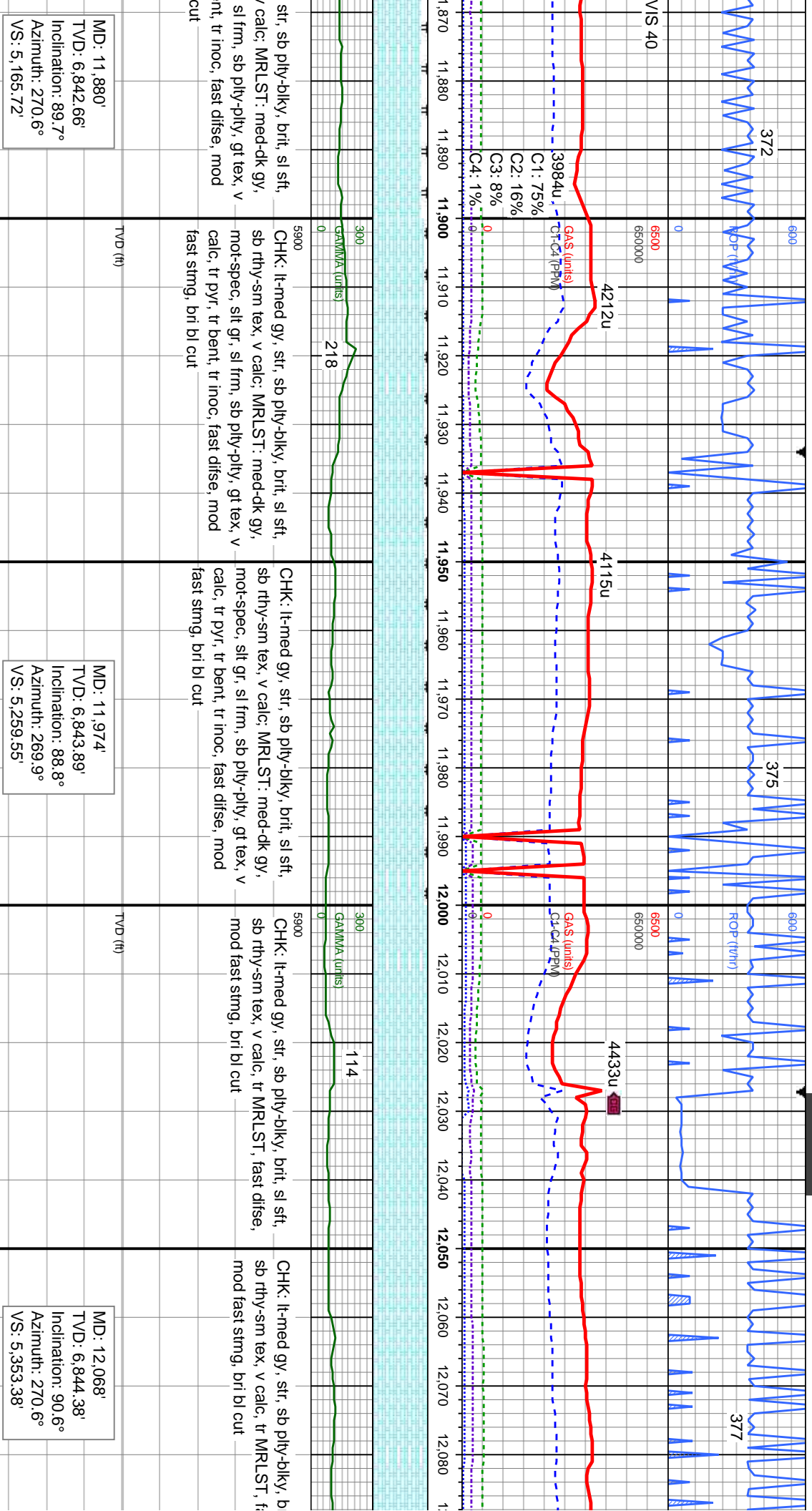
MD: 11,409'
TVD: 6,844.05'
Inclination: 90.2°
Azimuth: 268.8°
VS: 4,696.29'





MNDPTH





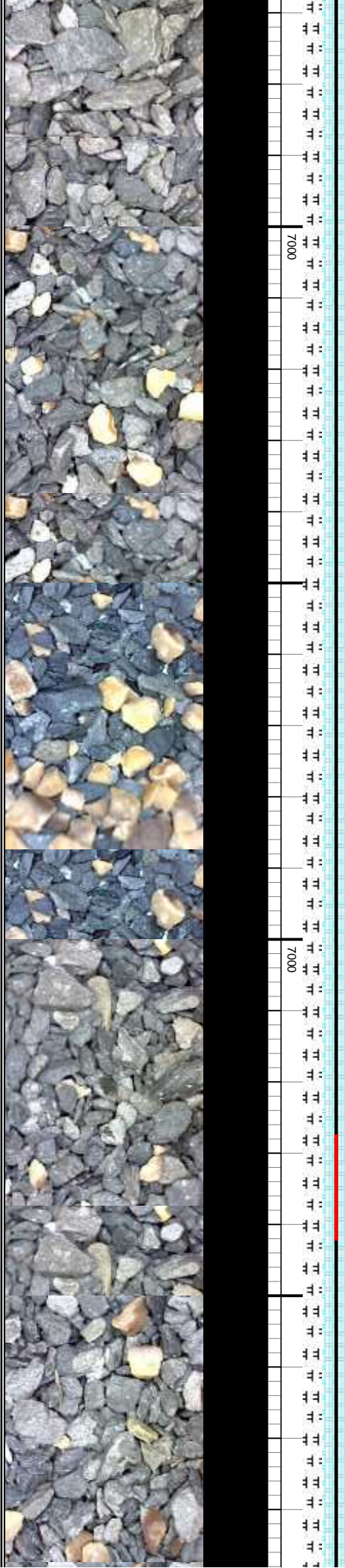
str, sb pty-biky, brit, sl sft,
/ calc; MRLST: med-dk gy,
sl frm, sb pty-pty, gt tex, v
nt, tr inoc, fast difse, mod
cut

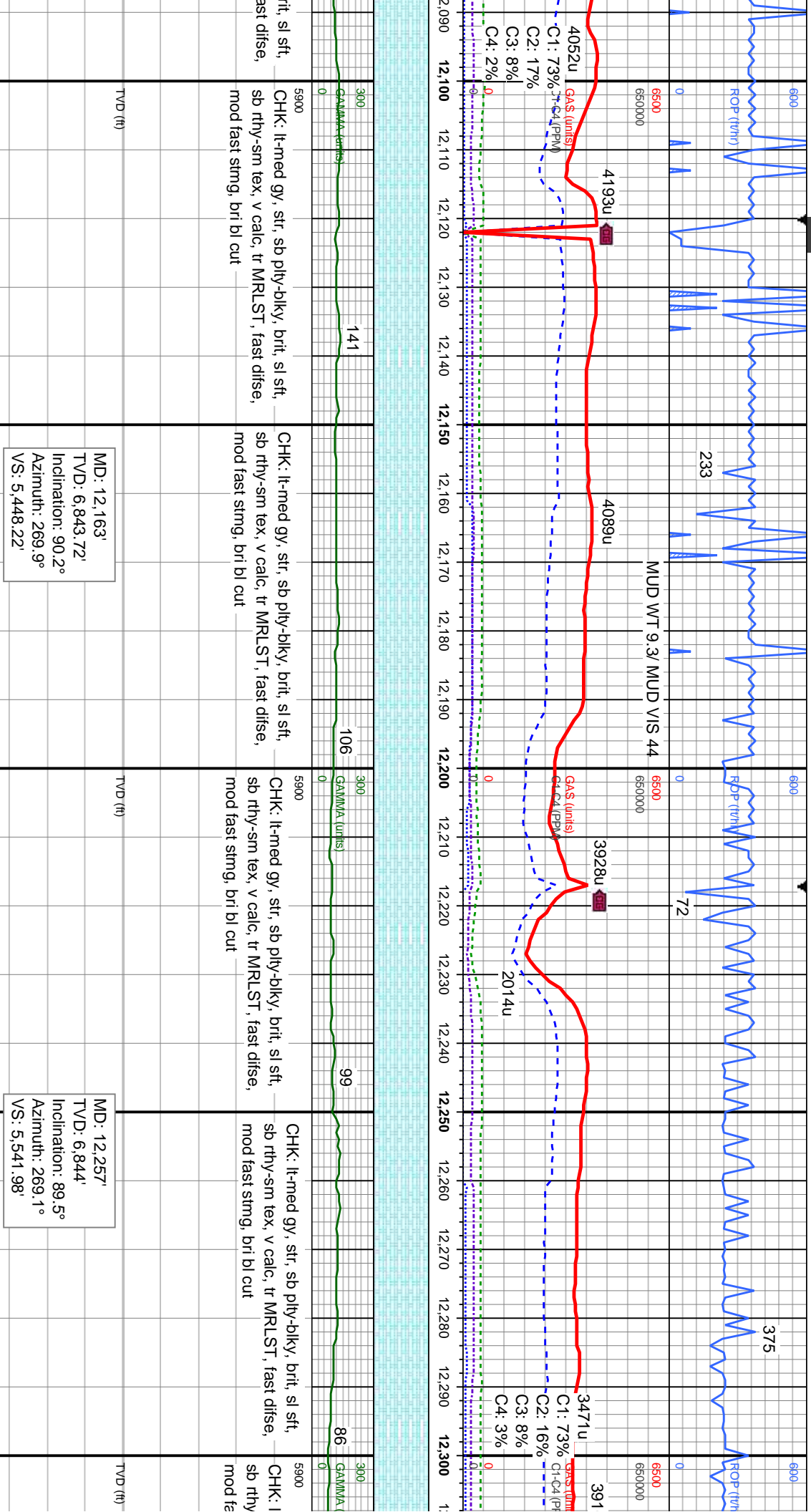
CHK: lt-med gy, str, sb pty-biky, brit, sl sft,
sb rthy-sm tex, v calc; MRLST: med-dk gy,
mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v
calc, tr pyr, tr bent, tr inoc, fast difse, mod
fast stimg, bri bl cut

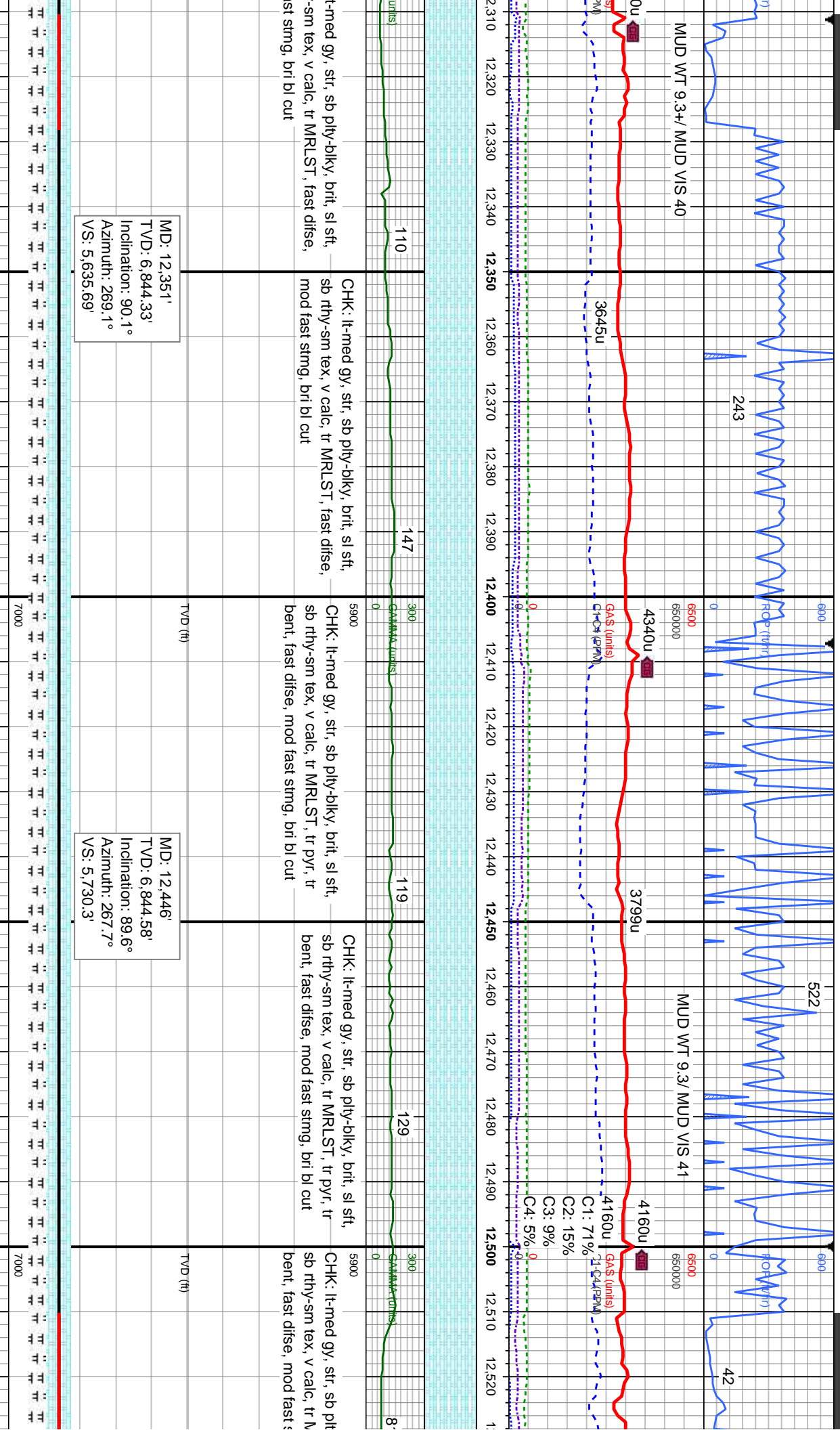
CHK: lt-med gy, str, sb pty-biky, brit, sl sft,
sb rthy-sm tex, v calc; MRLST: med-dk gy,
mot-spec, slt gr, sl frm, sb pty-pty, gt tex, v
calc, tr pyr, tr bent, tr inoc, fast difse, mod
fast stimg, bri bl cut

CHK: lt-med gy, str, sb pty-biky, brit, sl sft,
sb rthy-sm tex, v calc, tr MRLST, fast difse,
mod fast stimg, bri bl cut

CHK: lt-med gy, str, sb pty-biky, b
sb rthy-sm tex, v calc, tr MRLST, f
mod fast stimg, bri bl cut



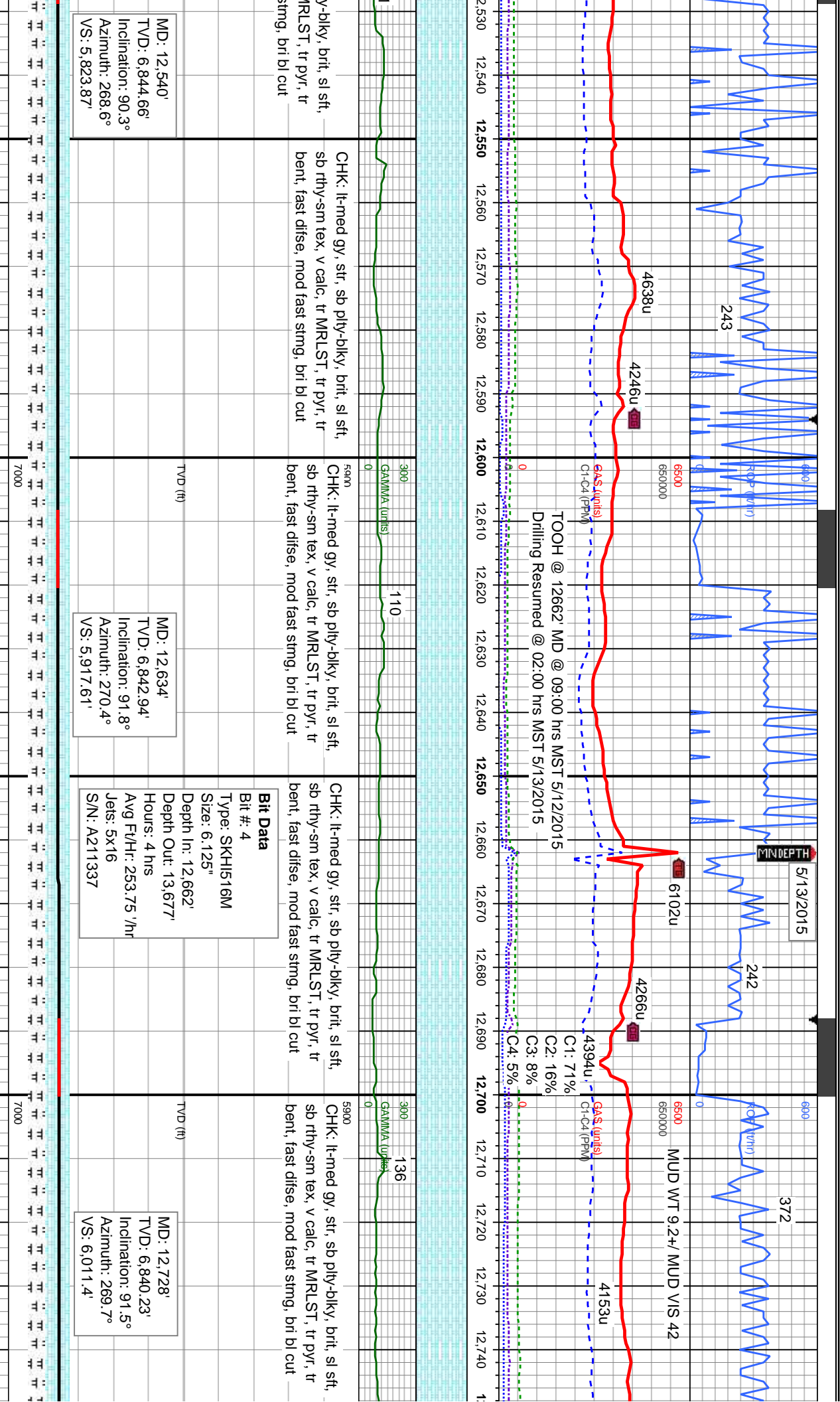


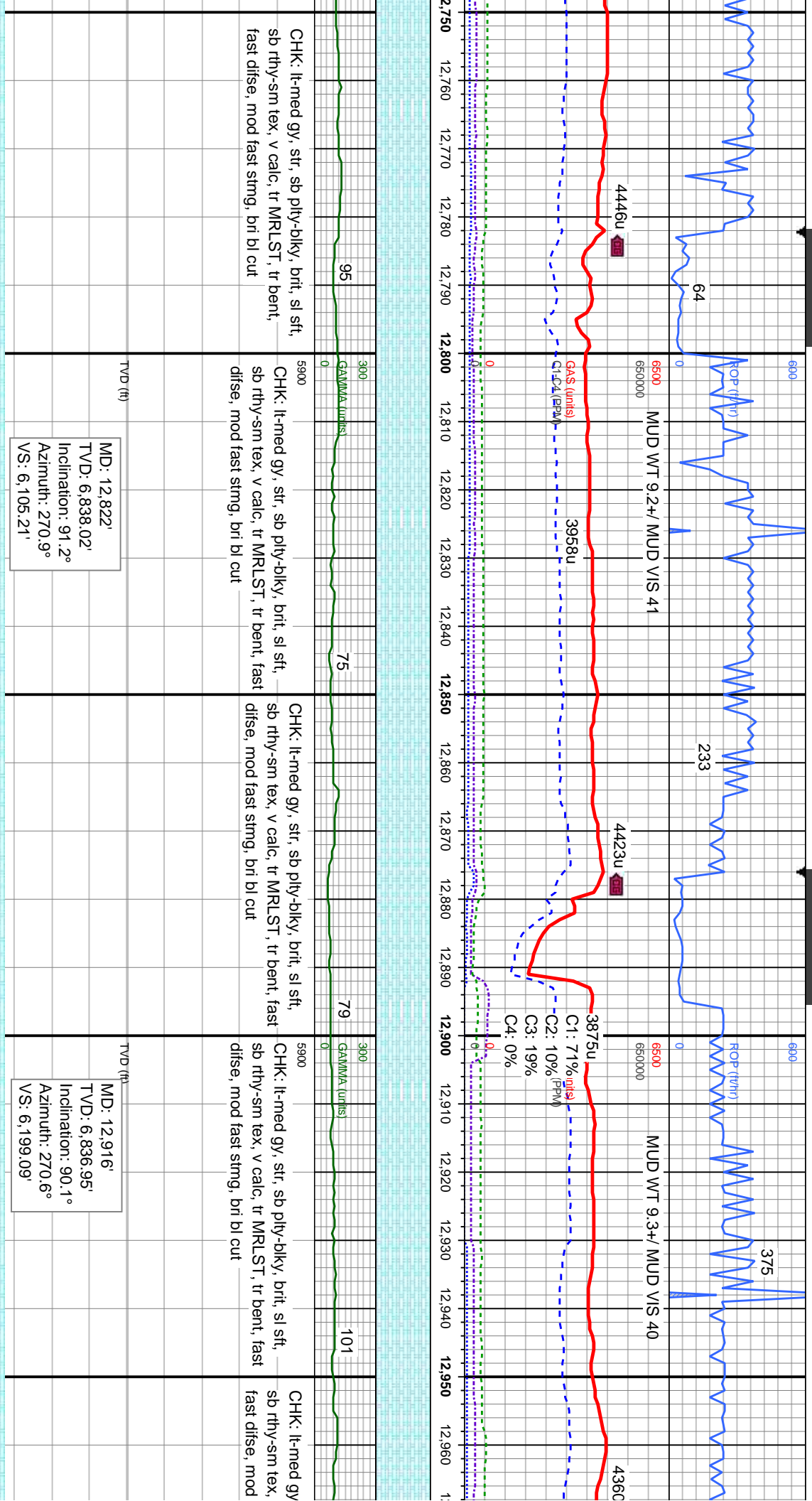


MD: 12,351'
TVD: 6,844.33'
Inclination: 90.1°
Azimuth: 269.1°
VS: 5,635.69'

MD: 12,446'
TVD: 6,844.58'
Inclination: 89.6°
Azimuth: 267.7°
VS: 5,730.3'







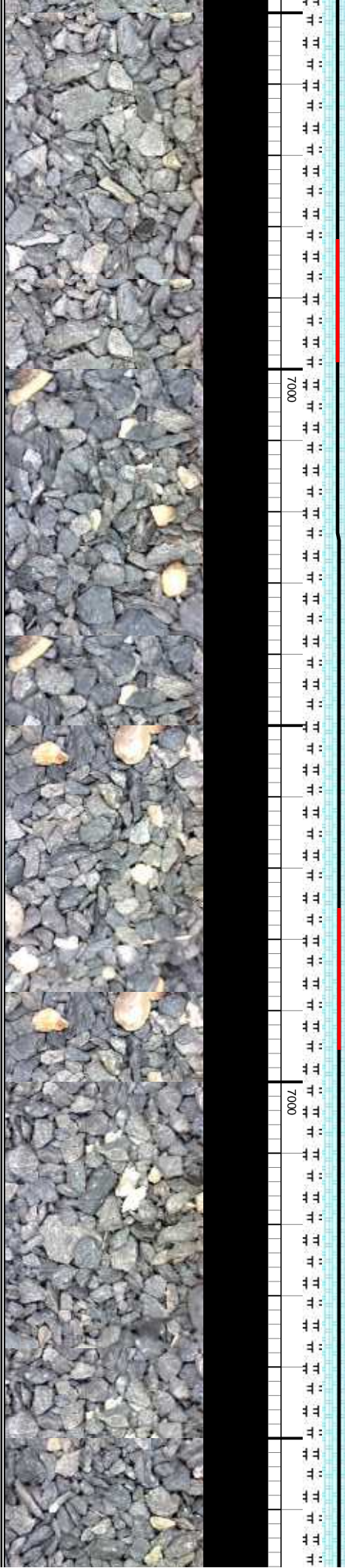
CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse, mod fast stmg, bri bl cut

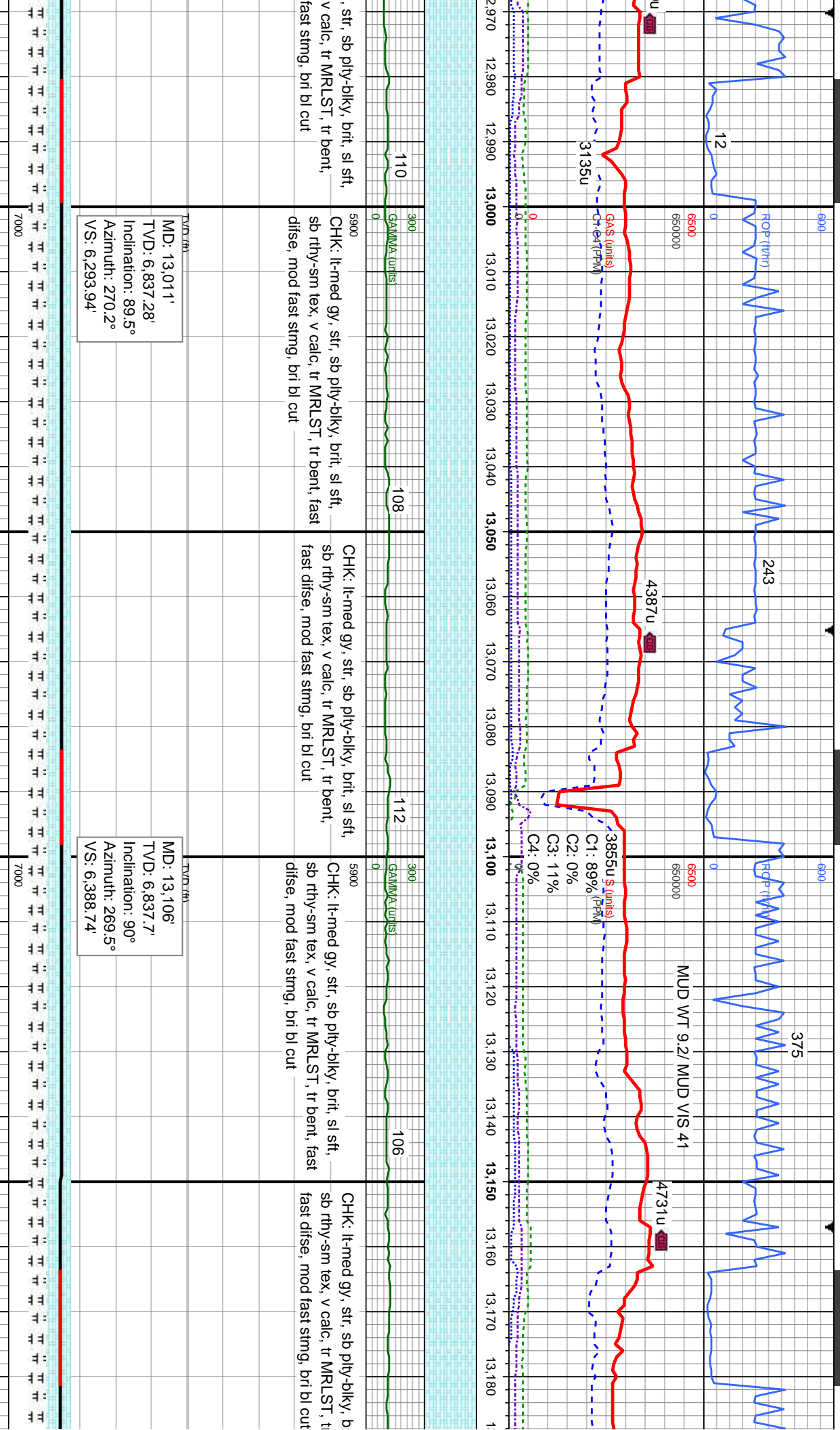
CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse, mod fast stmg, bri bl cut

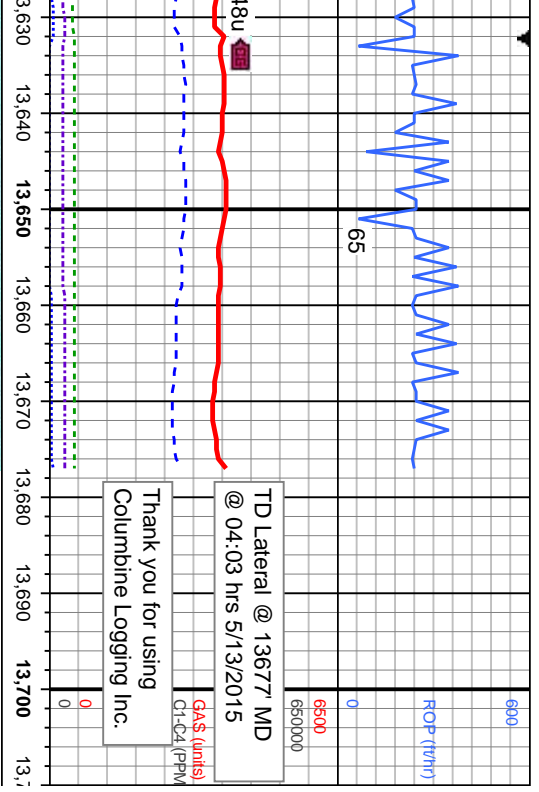
CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse, mod fast stmg, bri bl cut

CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse, mod fast stmg, bri bl cut

CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse, mod fast stmg, bri bl cut







TD Lateral @ 13677' MD
@ 04:03 hrs 5/13/2015

Thank you for using
Columbine Logging Inc.

y-bkly, brit, sl sft, MRLST, rr bent, fast bl cut		CHK: lt-med gy, str, sb pty-bkly, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, rr bent, fast difse, mod fast stmg, bri bl cut	5900	300 GAMMA (un 0
Projection to Bit			TVD (ft)	
MD: 13,677' TVD: 6,844.16' Inclination: 91.5° Azimuth: 271.3° VS: 6,958.77'				
7000				

