



Scale: 5" / 100'
Measured Depth Log

Well Name Arellano P-10-9HN

Location Sec 10 T5N R65W

State Colorado

County Weld

Country United States

Rig Number Frontier (Utah) 8

API Number 05-123-41109

AFE # 41109

Region DJ Basin

Field Wattenberg

Spud Date 3/31/2015

Drilling Completed 6/12/2015

Surface Coordinates N 40.410812 W 104.641171

Ground Elevation 4616'

K.B. Elevation 4640'

Logged Interval 6000' To 13958'

Total Depth 13958'

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

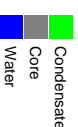
Shanna Gilbert Wellsite Geologist

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	CARBONACEOUS FLAKES	DOLOMITE STRINGER
BRACHIOPOD	P PISOLITE	MINERAL CRYSTALS	GYPSUM STRINGER
BRYOZOA	PLANT REMAINS	N NODULES	LIMESTONE STRINGER
CEPHALOPOD	PLANT SPORES	PHOSPHATE PELLETS	MARLSTONE (GALC) STRG
CORAL	SCAPHOPOD	COAL - THIN BEDS	MARLSTONE (DOL) STRG
CRINOID	STROMATOPOROID	D DOLOMITIC	SANDSTONE STRINGER
ECHINOID		F FELDSPAR	
		FERRUGINOUS PELLET	SHALE STRINGER
FISH		S SIDERITE	
FORAMINIFERA		F FERRUGINOUS	SILTSTONE STRINGER
F FOSSIL	ANHYDRITIC	G GLAUCONITE	
	ARGILLACEOUS	S SILTY	
		T TUFFACEOUS	

Oil Show

P PINPOINT
V VUGGY






































Engineering

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

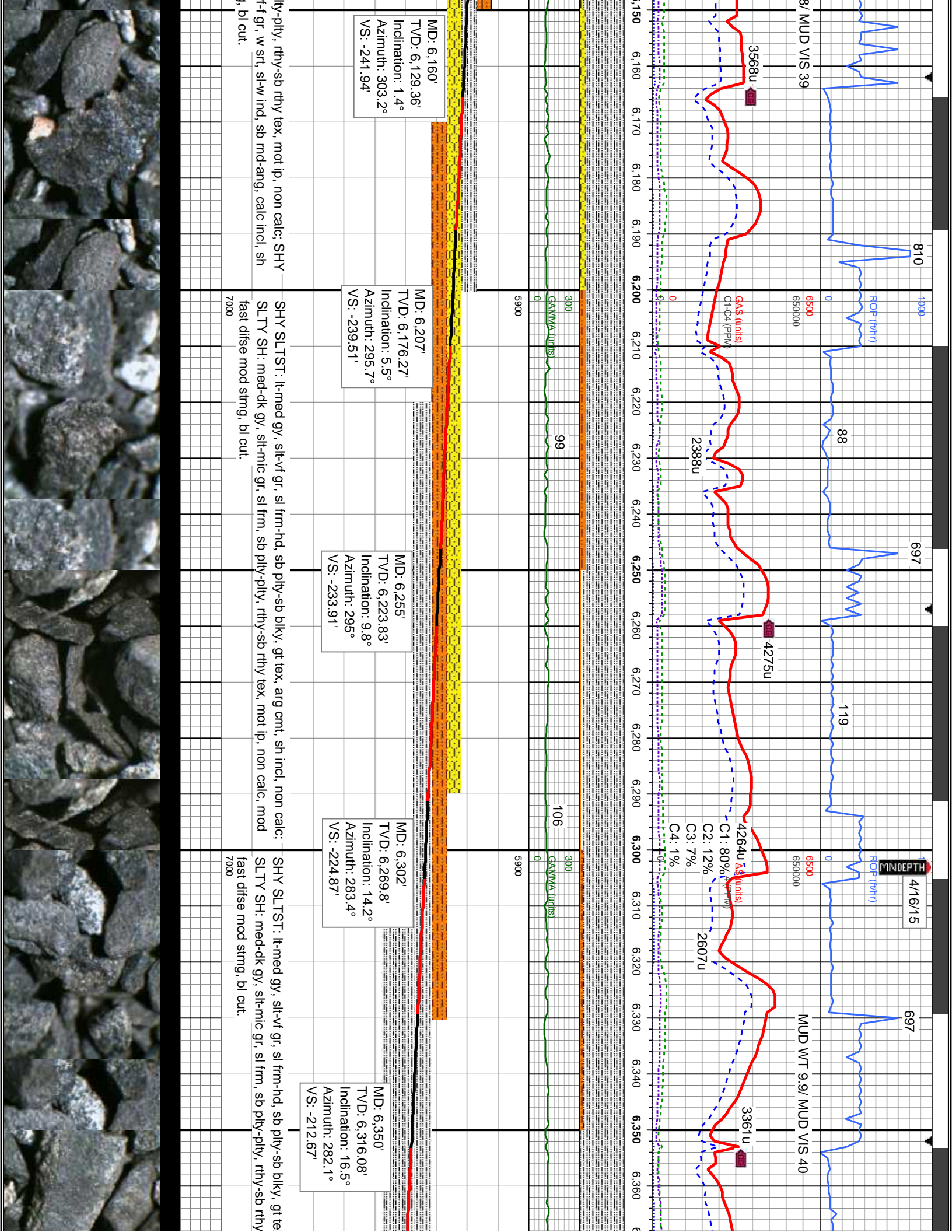
Porosity

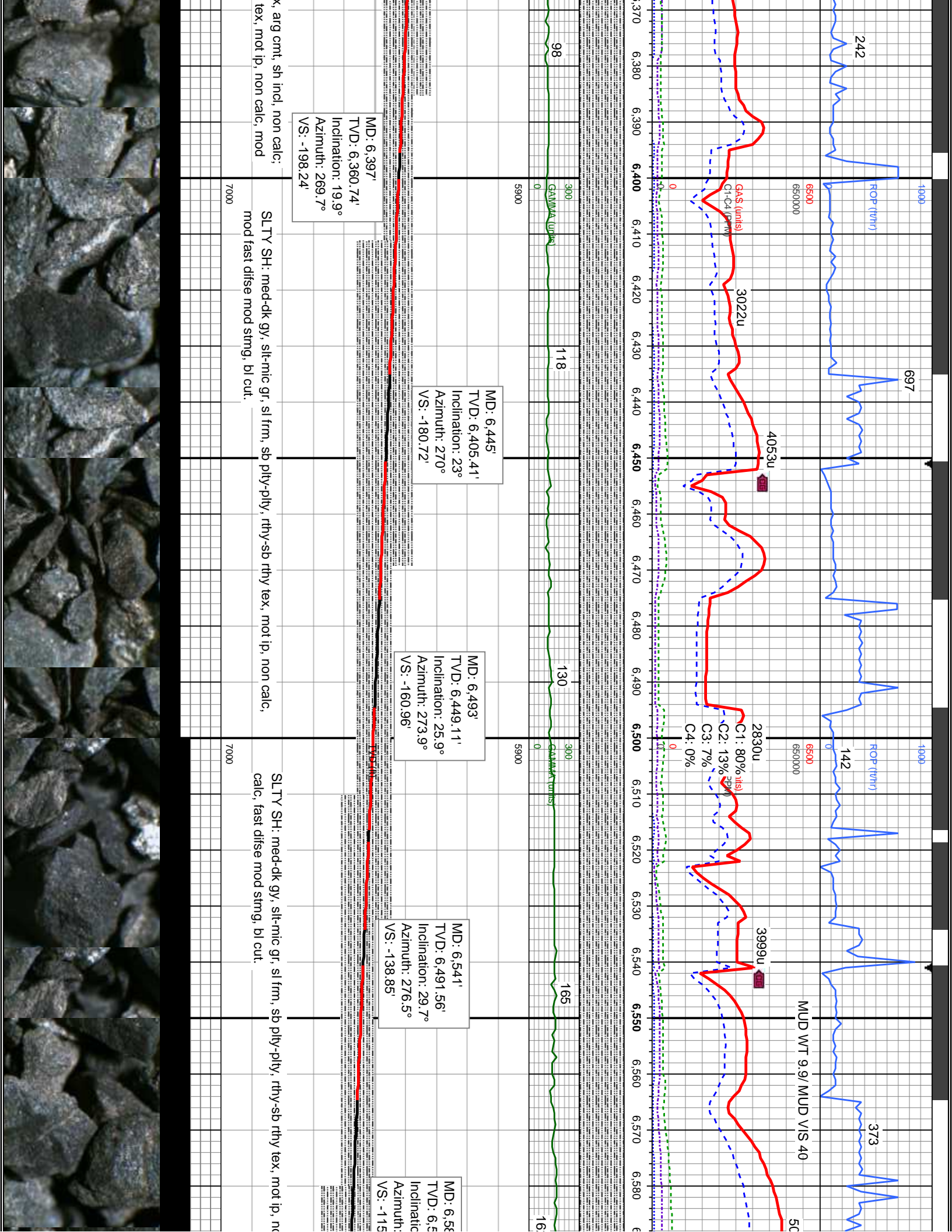
C CONNECTION (DOWN)	CONNECTION GAS
E EARTHY	CONNECTION GAS (LEFT)
F FENESTRAL	TRIP GAS
F FRACTURE	TRIP GAS (LEFT)
I INTERCRYSTALLINE	DOWN TIME GAS
I INTEROOLITIC	DOWN TIME GAS (LEFT)
M MOLDIC	CORE - LOST
O ORGANIC	CORE - RECOVERED

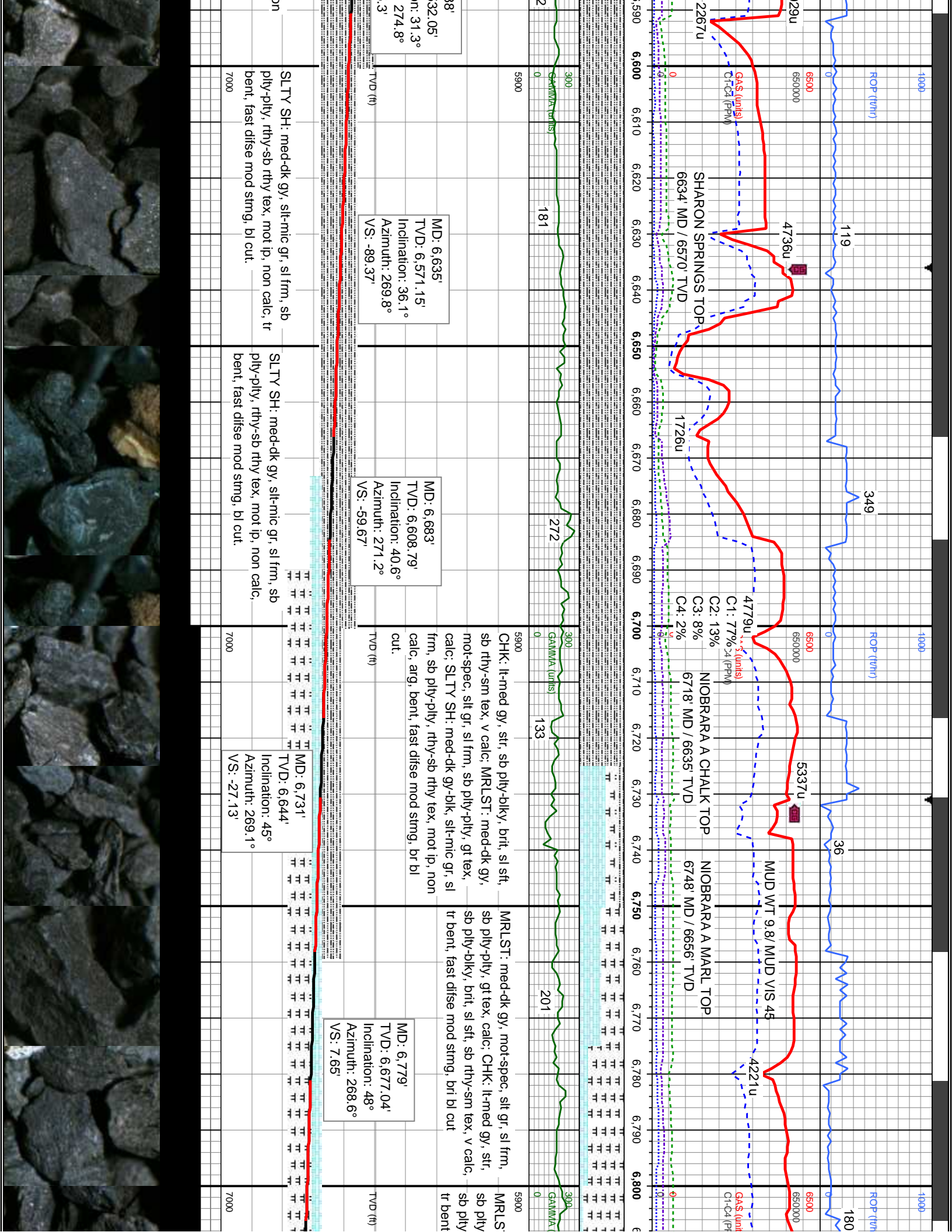
Other Symbols

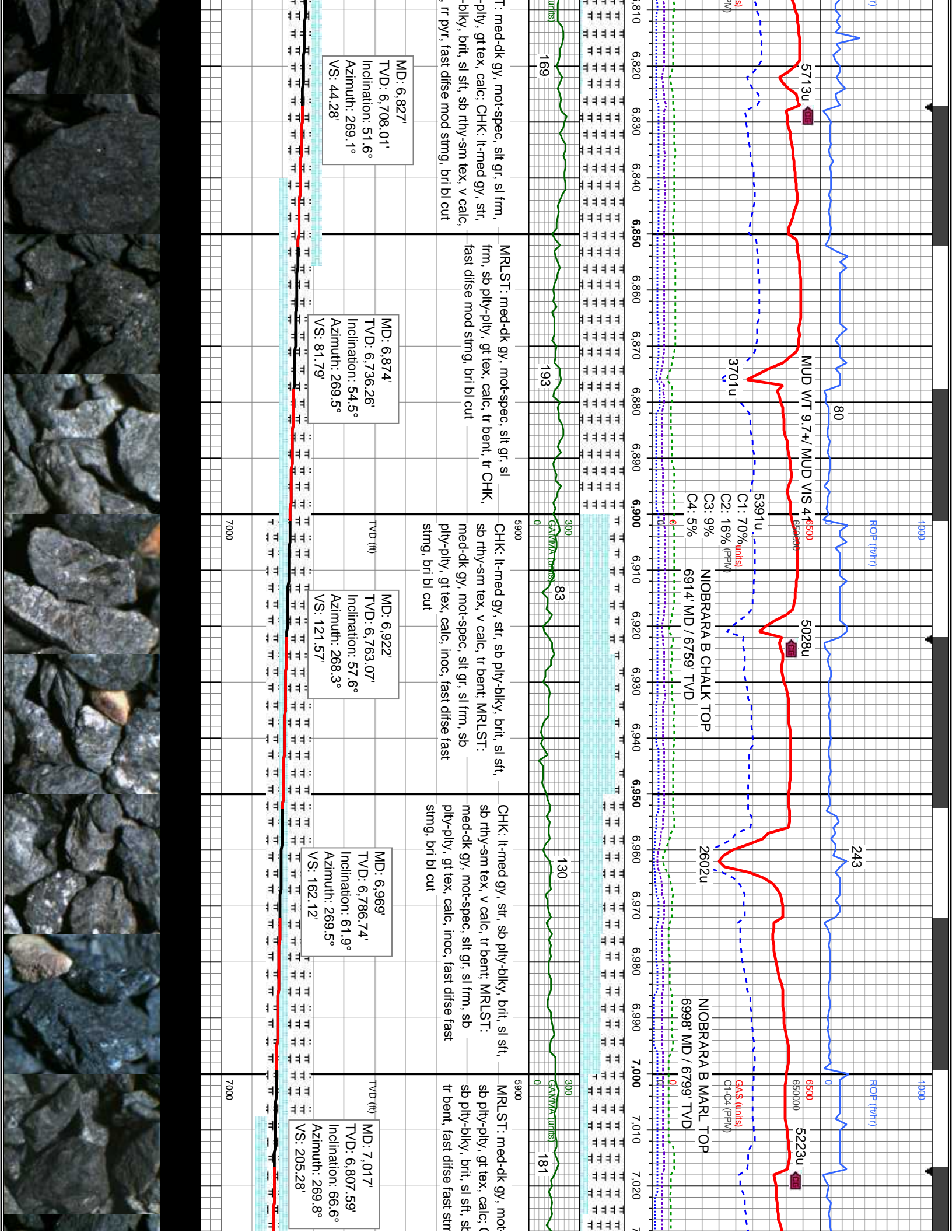
	DST INTERVAL		WIRELINE TESTED - LEFT		E EARTHY
	FAULT		WIRELINE TESTED - RT		FX FINELYXLN
	FORMATION TOP		DRILL STEM TEST		BS GRAINSTONE
	GAS SHOW		MINDEPTH MN DEPTH		L LITHOGRAPHIC
	OIL SHOW				MX MICROXLN
	MN DEPTH UP	Rounding			
					MS MUDSTONE
	MN DEPTH (DOWN)		A ANGULAR		PS PACKSTONE
	NORMAL FAULT		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		

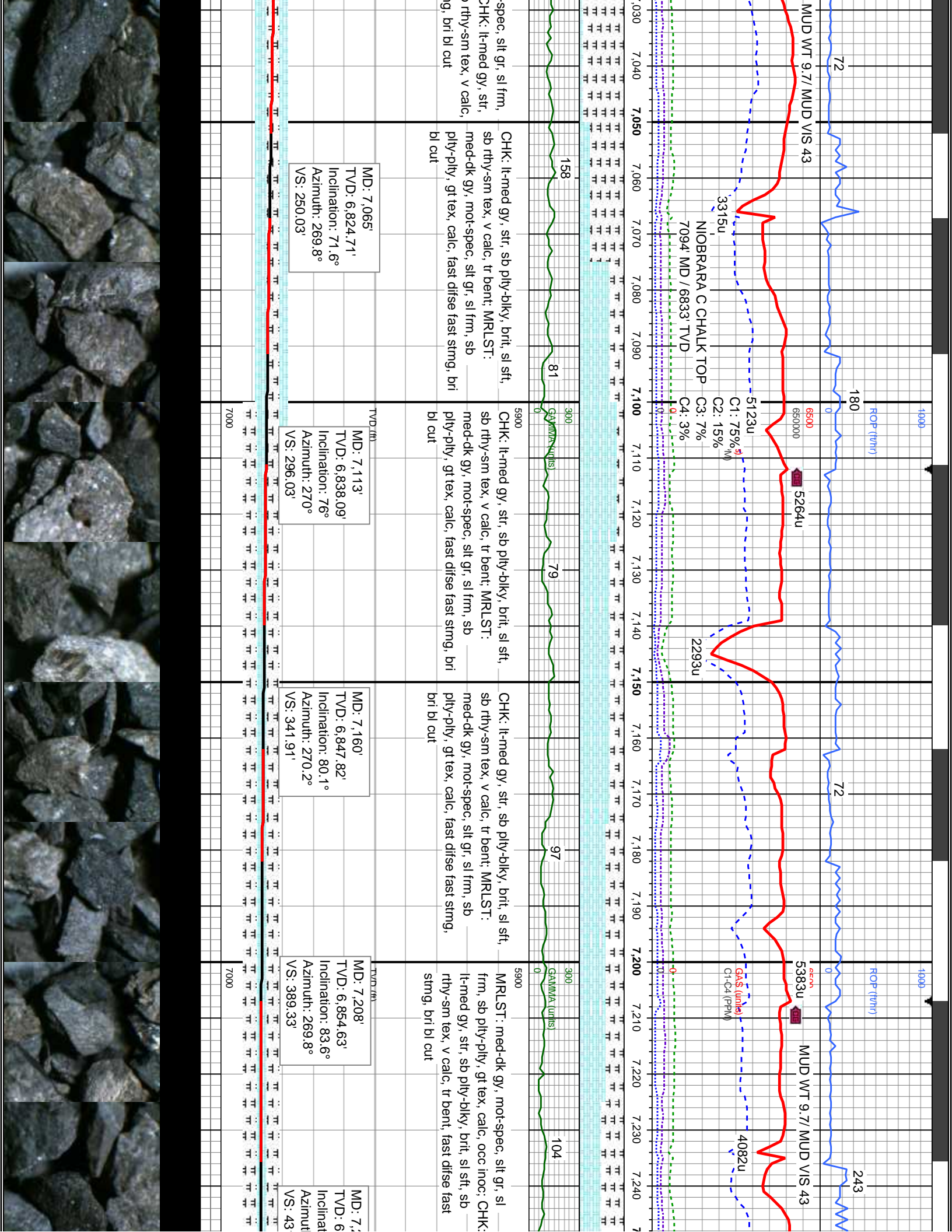
Slide/Rotate			
ROP		ROP (ft/hr)	
Total Gas & Chromatograph		COLUMBINE LOGGING RIGGED UP ON 4/15/2015 MANNED 2-PERSON LOGGING WITH BLOODHOUND GAS CHROMATOGRAPH #0298	
GAS		GAS (units)	
C1		C1: 78% (PPM)	
C2		C2: 12%	
C3		C3: 9%	
C4		C4: 1%	
Depth Labels		5,970 5,980 5,990 6,000 6,010 6,020 6,030 6,040 6,050 6,060 6,070 6,080 6,090 6,100 6,110 6,120 6,130 6,140 6,150	
% Lith			
Gamma		GAMMA (units)	
GAMMA		GAMMA (units)	
Well Bore		MD: 6,017' TVD: 5,986.37' Inclination: 0.5° Azimuth: 205° VS: -242.83'	
TVD		TVD (ft)	
Oil Show		SHV SLTST: lt-med gy, slt-vf gr, sl frm-hcl, sb pty-sb blk, gt tex, arg cmt, sh incl, non calc; SLTY SH: med-dk gy, slt-mic gr, sl frm, sb pty-pty, rthy-sb rthy tex, mot ip, non calc, mod fast disse mod string, bl cut.	
Images		SLTY SH: med-dk gy, slt-mic gr, sl frm, sb pty-pty, rthy-sb rthy tex, mot ip, non calc, mod fast disse mod string, bl cut.	











4/17/2015 - 6/10/2015

ROP (twh)

148

Landed Curve @ 7300' MD
4/16/2015 @ 14:13 MST

5221u
C1: 69%
C2: 15%
C3: 10%
C4: 6%

Resumed drilling lateral
@ 13:06 hrs MST 6/10/2015

MUD WT 9.4/ MUD VIS 42

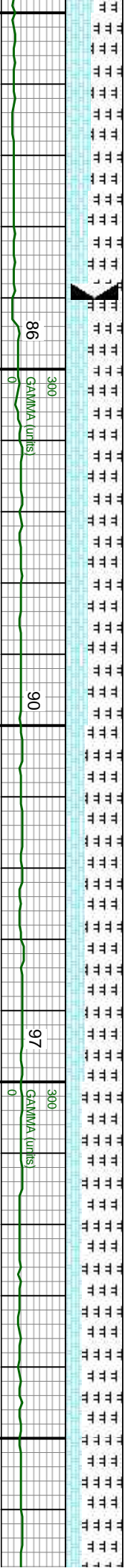
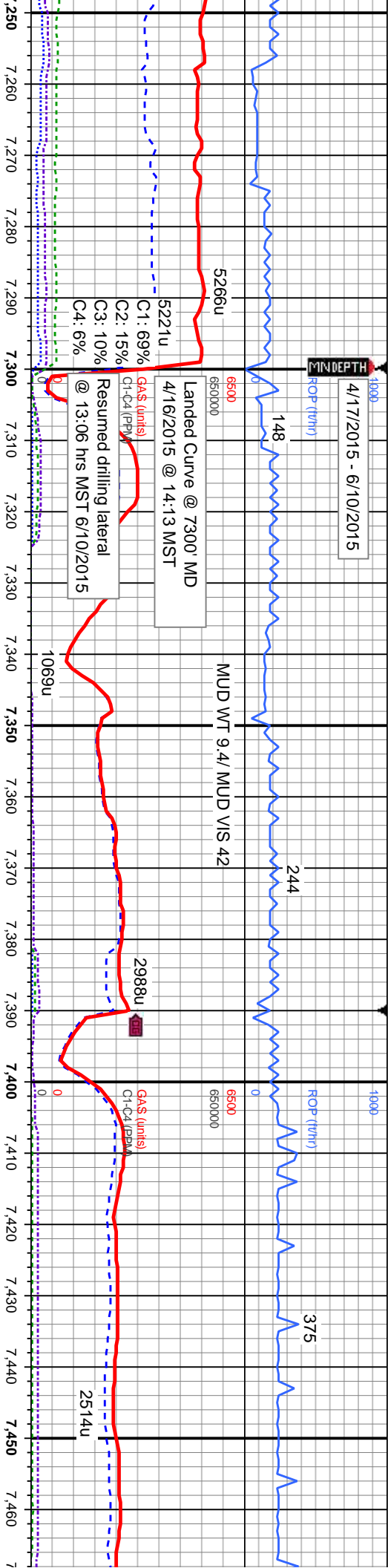
ROP (twh)

0

6500
650000

2988u
C1-C4 (PPM)

2514u



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

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

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

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

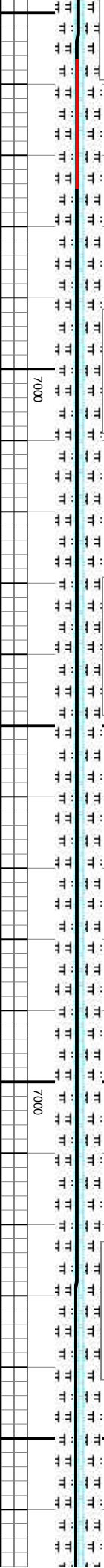
MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, calc, occ inoc; CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, fast difse fast string, bri bl cut.

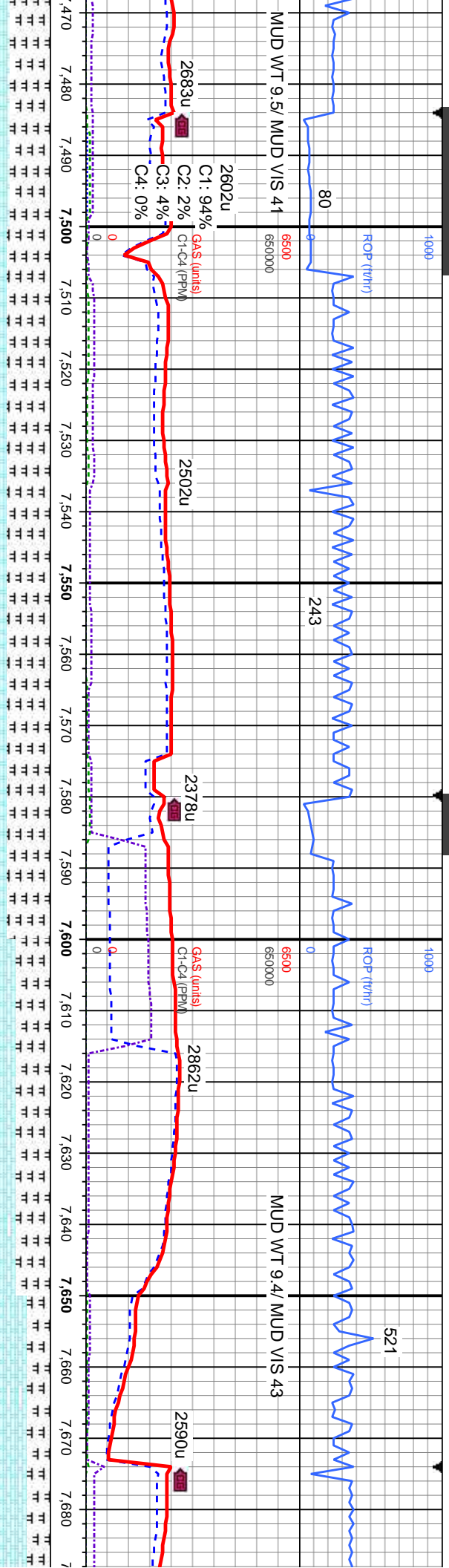
MD: 7,300'
TVD: 6,859.41'
Inclination: 87.5°
Azimuth: 269°
VS: 481.07'

MD: 7,300'
TVD: 6,859.41'
Inclination: 89°
Azimuth: 269°
VS: 481.07'

MD: 7,338'
TVD: 6,860.27'
Inclination: 89.4°
Azimuth: 268.8°
VS: 519.03'

MD: 7,432'
TVD: 6,862.07'
Inclination: 88.4°
Azimuth: 266.1°
VS: 612.99'





110	300	123	103	300	110
5900	5900	5900	5900	5900	5900
gy, mot-spec, slt gr, sl frm, sb ply-ply, gt tex, calc, occ inoc; CHK: ply-blky, brit, sl sft, sb rthy-sm tex, v calc, fast difse fast string, bri cut.	MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-ply, gt tex, calc, occ inoc; CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc, fast difse fast string, bri cut.	MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-ply, gt tex, calc, occ inoc; CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc, fast difse fast string, bri cut.	MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb ply-ply, gt tex, calc, occ inoc; CHK: lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc, fast difse fast string, bri cut.	CHK: lt-med gy, str, sb ply-blky, bri rthy-sm tex, v calc; MRLST: med mot-spec, slt gr, sl frm, sb ply-ply, calc, occ inoc, fast difse fast string, cut.	

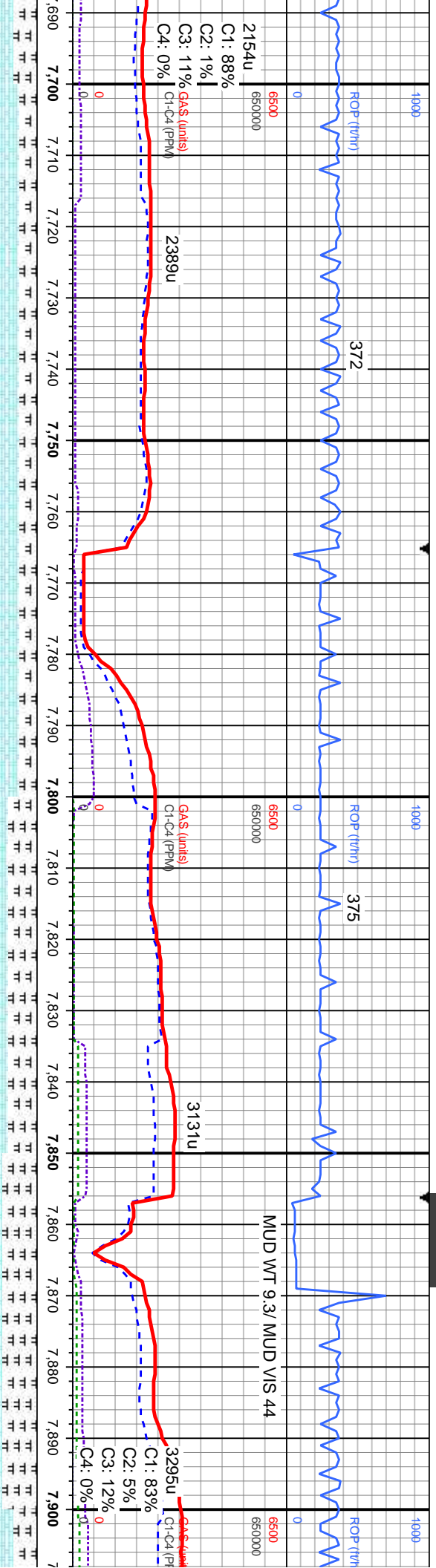
TVD (ft)

MD: 7,526'
TVD: 6,863.3'
Inclination: 90.1°
Azimuth: 269.5°
VS: 706.94'

TVD (ft)

MD: 7,620'
TVD: 6,863.46'
Inclination: 89.7°
Azimuth: 271.1°
VS: 800.73'



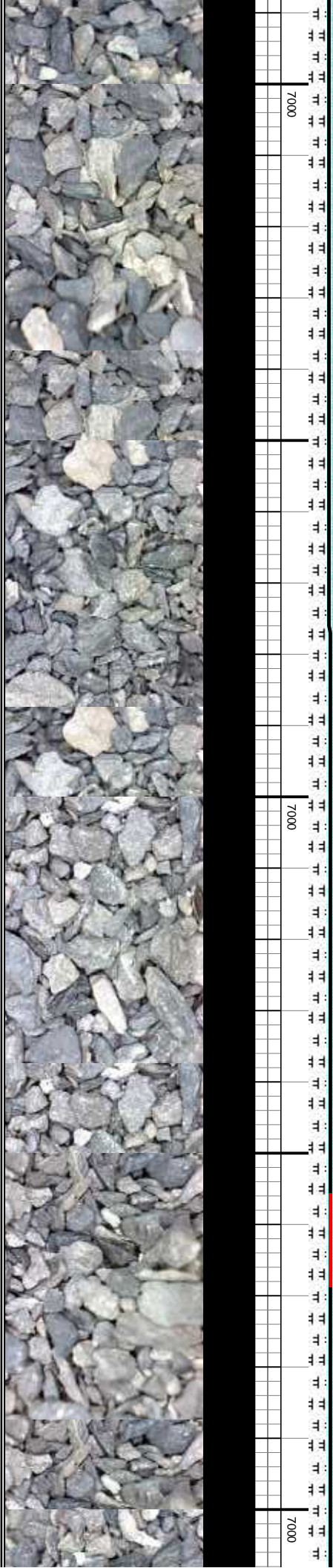


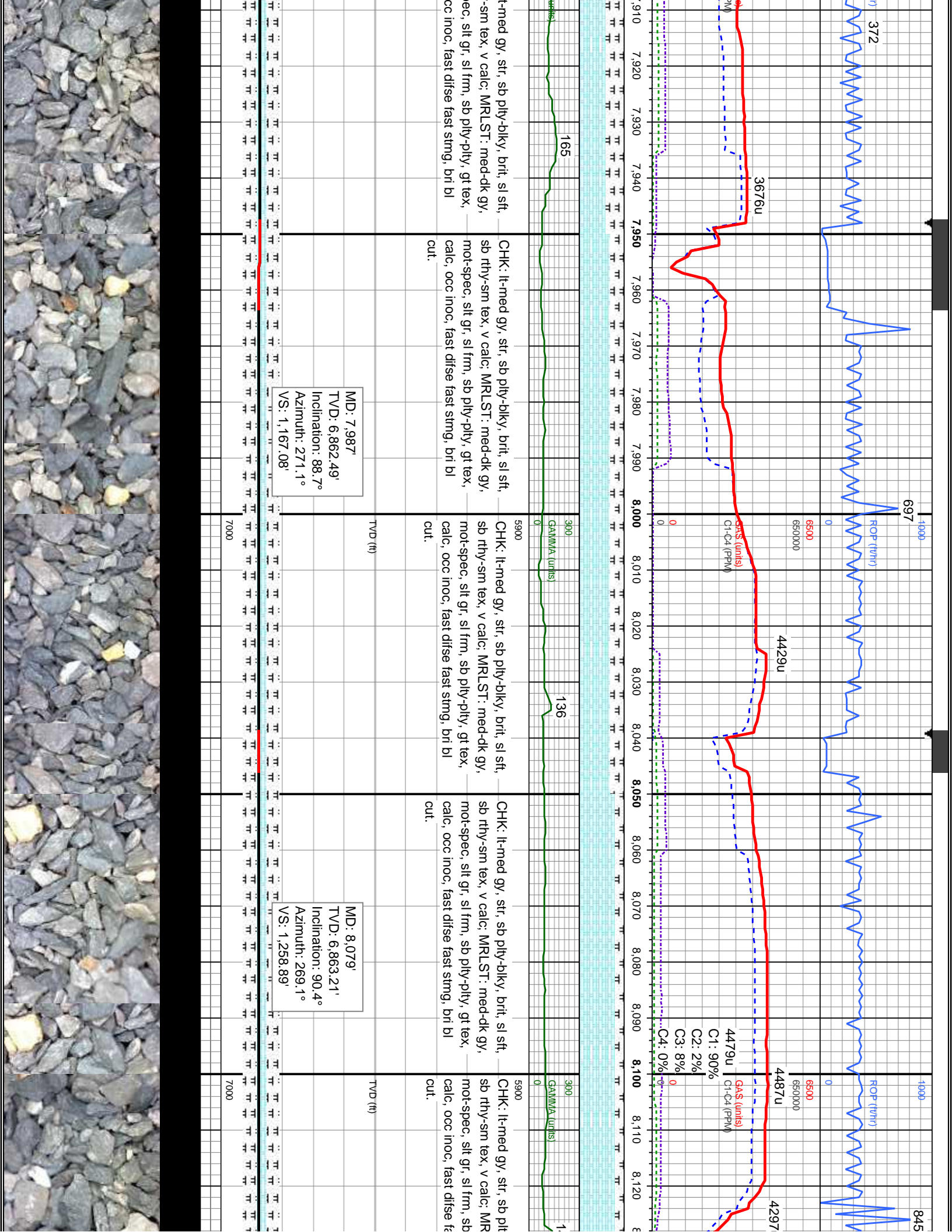
Depth (ft)	ROP (ft/hr)	Gamma (units)	Gas (units)	C1-C4 (PPM)	C4: 0%
7,690	372	2389u			
7,700					
7,710					
7,720					
7,730					
7,740					
7,750					
7,760					
7,770					
7,780					
7,790					
7,800					
7,810					
7,820					
7,830					
7,840					
7,850					
7,860					
7,870					
7,880					
7,890					
7,900					

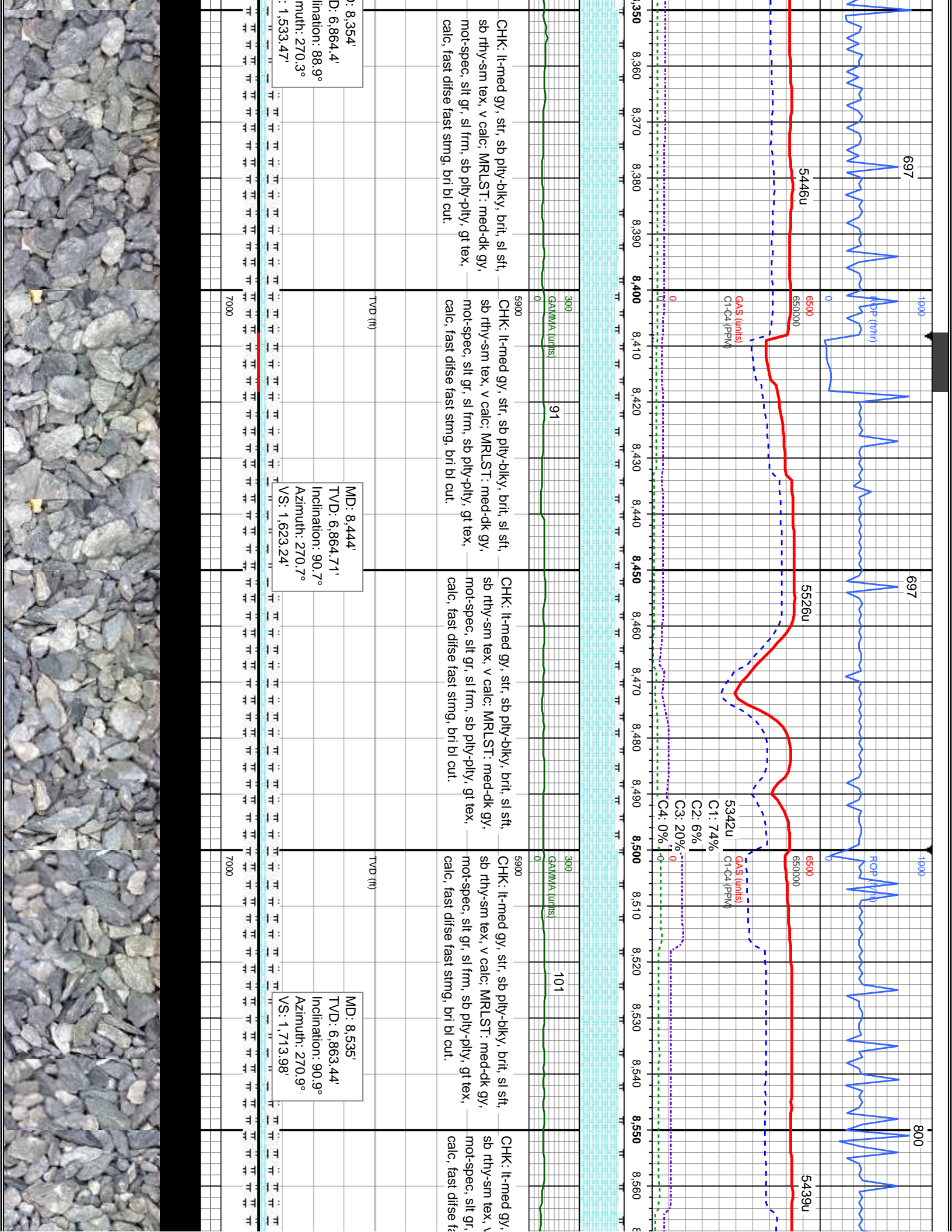
MD: 7.712'
TVD: 6,863.06'
Inclination: 90.8°
Azimuth: 269.8°
VS: 892.51'

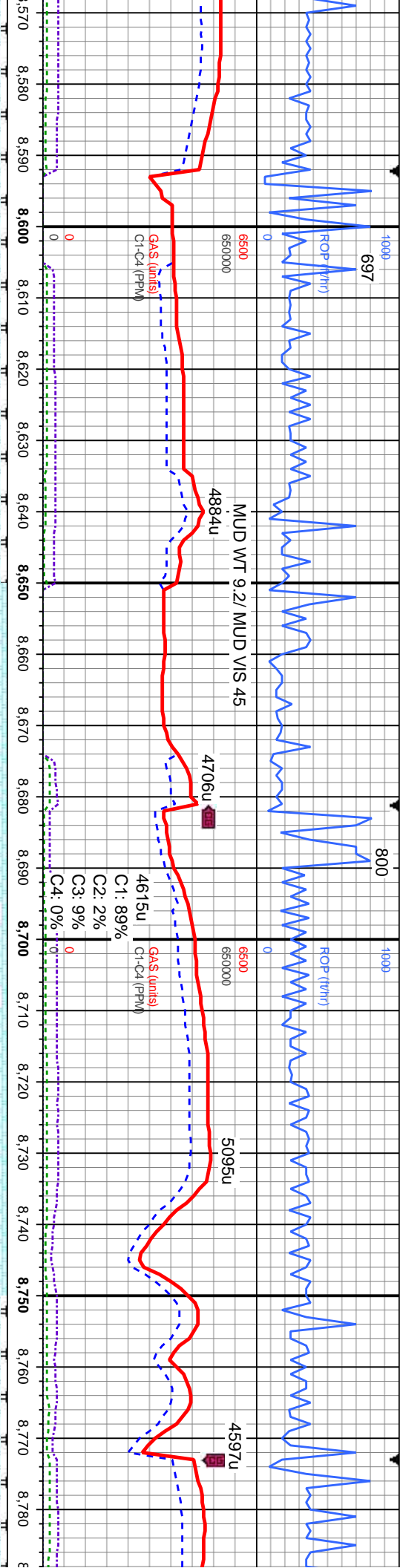
MD: 7.804'
TVD: 6,861.54'
Inclination: 91.1°
Azimuth: 268.9°
VS: 984.39'

MD: 7.896'
TVD: 6,861.06'
Inclination: 89.5°
Azimuth: 269.3°
VS: 1,076.29'









str, sb pily-biky, brit, sl sft, calc; MRLST: med-dk gy, sl frm, sb pily-pily, gt tex, st smg, bri bl cut.

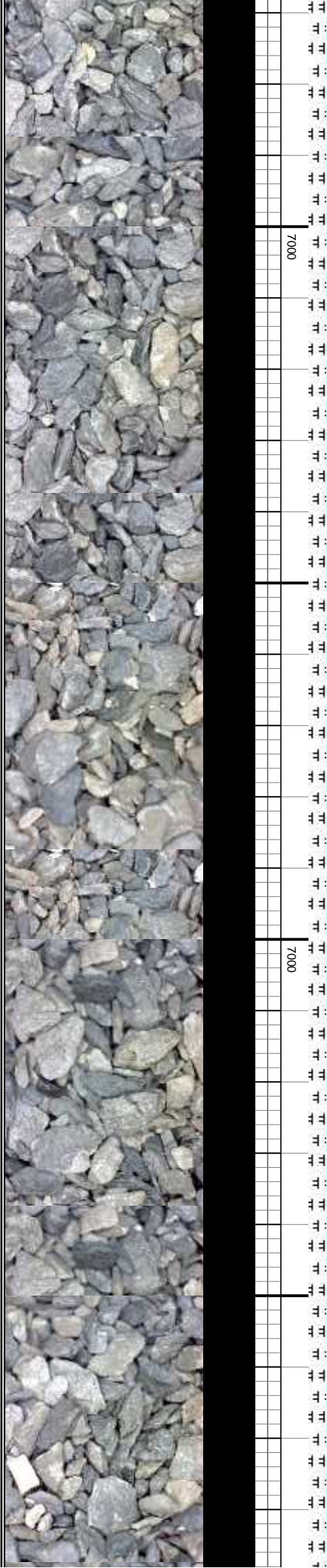
CHK: lt-med gy, str, sb pily-biky, brit, sl sft, sb rthy-sm tex, v calc; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pily-pily, gt tex, calc, fast difse fast smg, bri bl cut.

CHK: lt-med gy, str, sb pily-biky, brit, sl sft, sb rthy-sm tex, v calc, occ MRLST, fast difse fast smg, bri bl cut.

CHK: lt-med gy, str, sb pily-biky, b sb rthy-sm tex, v calc; MRLST: me mot-spec, slt gr, sl frm, sb pily-pily calc, fast difse fast smg, bri bl cut.

MD: 8,627'
TVD: 6,862.16'
Inclination: 90.7°
Azimuth: 270.3°
VS: 1,805.74'

MD: 8,719'
TVD: 6,861.6'
Inclination: 90°
Azimuth: 269.8°
VS: 1,897.56'



810

1900

6/11/2015

1900

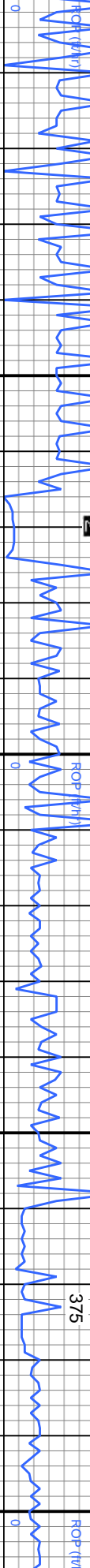
810

1900

MINDEPTH

375

ROP (W/H)



6500

650000

5069u

3827u

6500

650000

4812u

4772u

6500

650000



GAS (units)

C1-C4 (PPM)

C1: 95%

C2: 0%

C3: 5%

C4: 0%

GAS (units)

C1-C4 (PPM)



GAMMA (units)

0

300

147

0

300

114

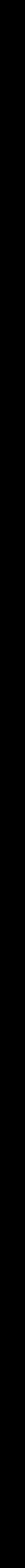
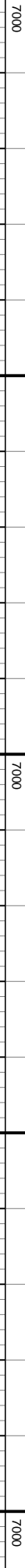
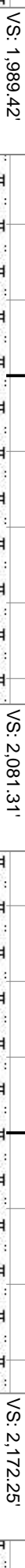
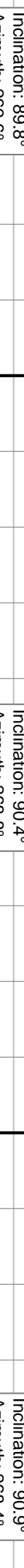
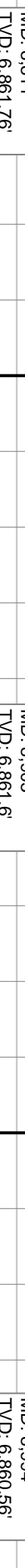
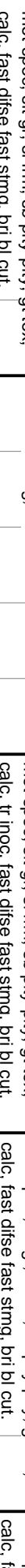
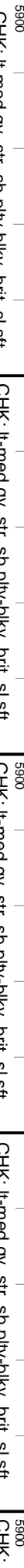
172

0

300

GAMMA

(units)



it, sl sft,
d-dk gy,
gt tex,

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,
calc, fast difse fast stmg, bri bl cut.

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

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sb rthy-sm tex, v calc; MRLST: med-dk gy,
mot-spec, slt gr, sl frm, sb pty-pty, gt tex,
calc, fast difse fast stmg, 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,
calc, fast difse fast stmg, 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,
calc, fast difse fast stmg, 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,
calc, fast difse fast stmg, 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,
calc, fast difse fast stmg, bri bl cut.

MD: 8,811'
TVD: 6,861.76'
Inclination: 89.8°
Azimuth: 269.6°
VS: 1,989.42'

MD: 8,903'
TVD: 6,861.6'
Inclination: 90.4°
Azimuth: 268.8°
VS: 2,081.31'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

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Inclination: 90.9°
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MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

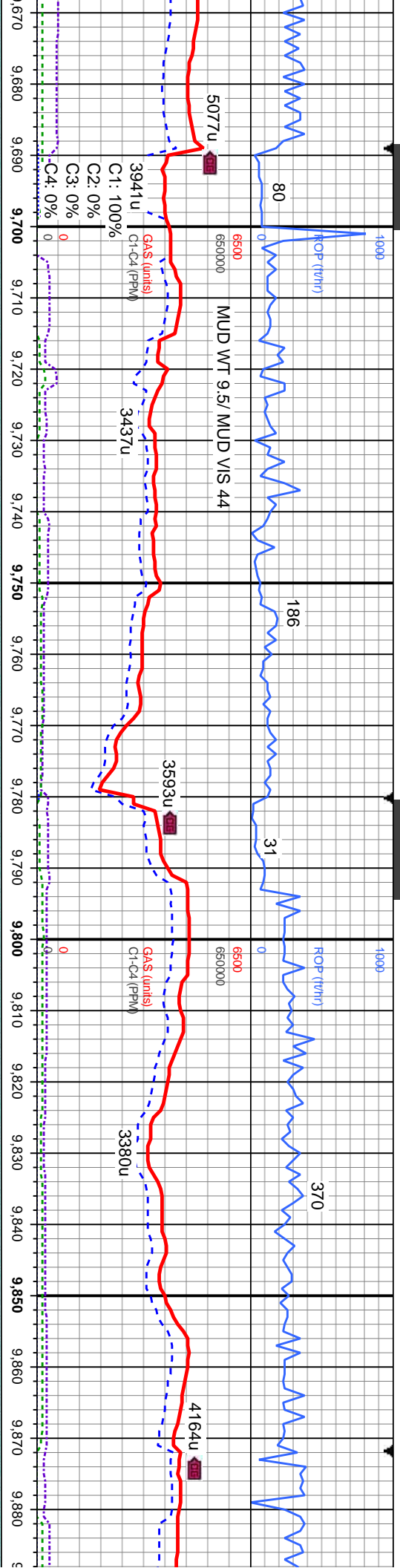
MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
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MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'

MD: 8,994'
TVD: 6,860.56'
Inclination: 90.9°
Azimuth: 268.4°
VS: 2,172.25'



str, sb pty-blky, brit, sl sft, v calc, tr MRLST, tr bent, fast 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 fast stmg, bri bl cut.

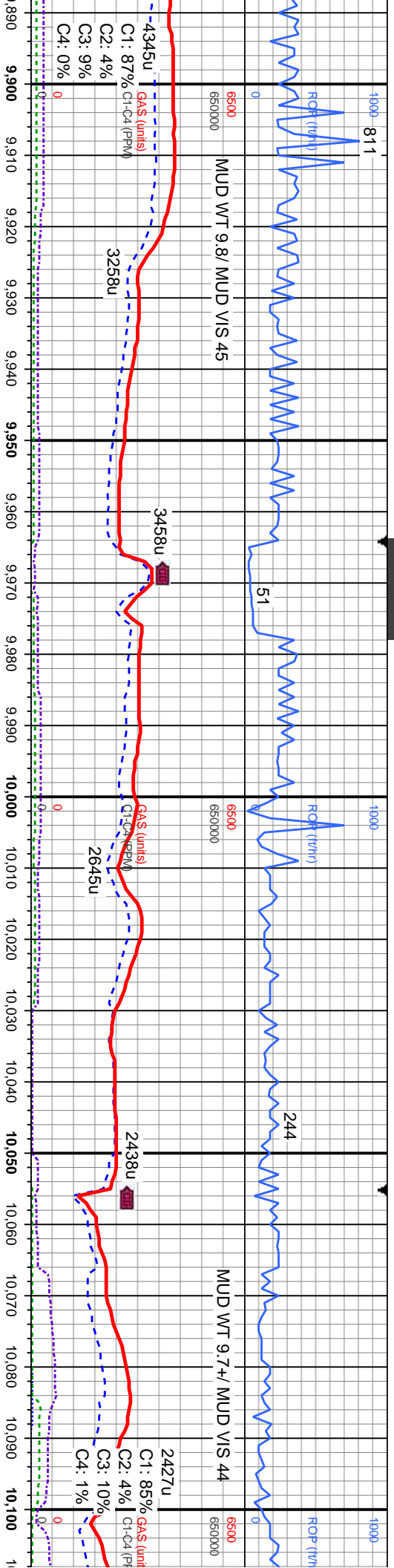
CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse fast stmg, bri bl cut.

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

MD: 9,727'
TVD: 6,858.71'
Inclination: 89.2°
Azimuth: 270.2°
VS: 2,903.94'

MD: 9,819'
TVD: 6,859.04'
Inclination: 90.4°
Azimuth: 269.6°
VS: 2,995.78'





MD: 9,911'
TVD: 6,858.87'
Inclination: 89.8°
Azimuth: 269.1°
VS: 3,087.66'

MD: 10,003'
TVD: 6,858.47'
Inclination: 90.7°
Azimuth: 270°
VS: 3,179.53'

MD: 10,095'
TVD: 6,858.07'
Inclination: 89.8°
Azimuth: 269.1°
VS: 3,271.4'

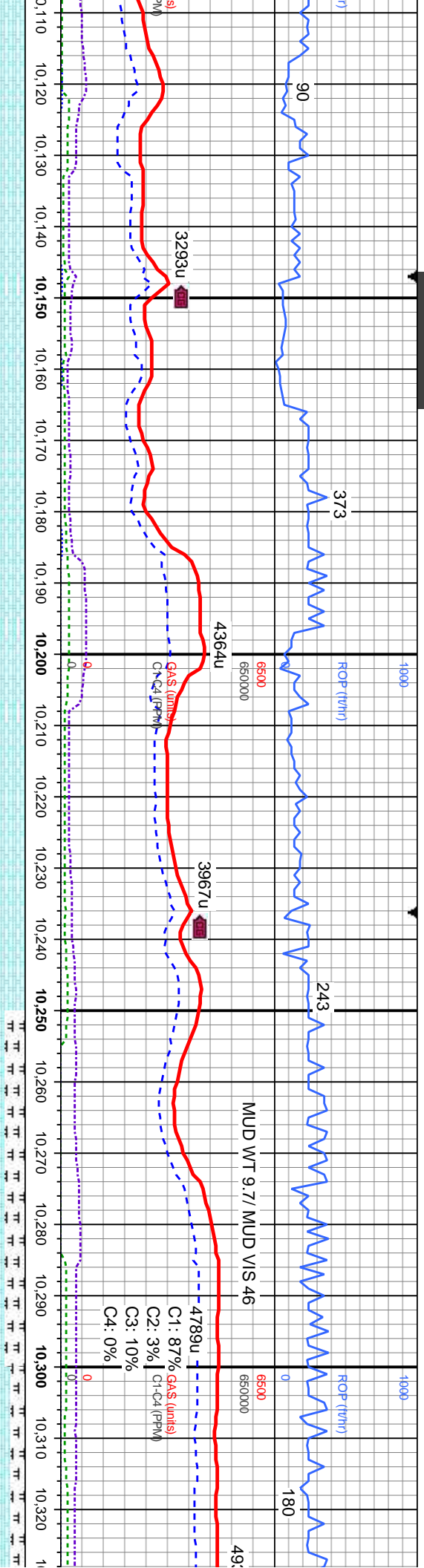
CHK: lt-med gy, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr MRLST, tr bent, fast difse fast stmg, bri bl cut.

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

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

CHK: l sb rthy fast str





lt-med gy, str, sb pily-blky, brit, sl sft, -sm tex, v calc, bent, rr inoc, fast difse ng, bri bl cut.

CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, bent, rr inoc, fast difse fast stmg, bri bl cut.

CHK: lt-med gy, str, sb pily-blky, brit, sl sft, sb rthy-sm tex, v calc, bent, rr inoc, fast difse fast stmg, bri bl cut.

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

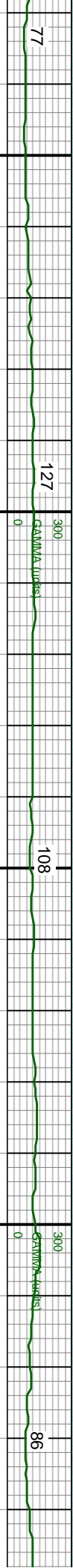
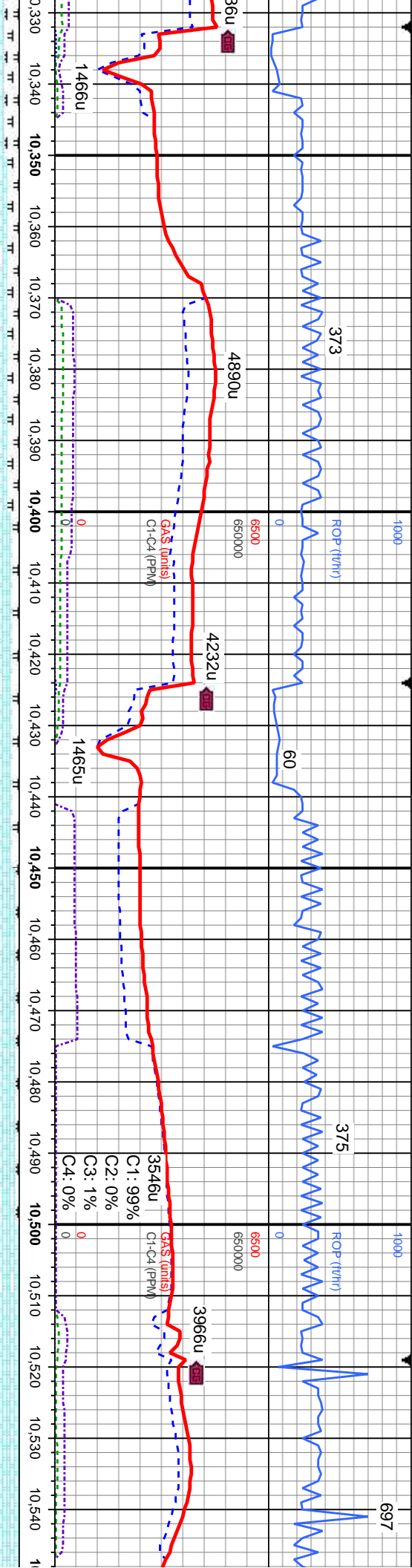
CHK: lt-med gy, occ crm brit, sl sft, sb rthy-sm tex MRLST: med-dk gy, mot frm, sb pily-pty, gt tex, c fast stmg, bri bl cut.

MD: 10,187'
TVD: 6,857.19'
Inclination: 91.3°
Azimuth: 270.9°
VS: 3,363.22'

Faulted from C Chalk to B Chalk

MD: 10,279'
TVD: 6,855.02'
Inclination: 91.4°
Azimuth: 270.5°
VS: 3,454.95'





str, sb pty-blky, v calc, tr bent; spec, slt gr, sl calc, inoc, fast difse

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

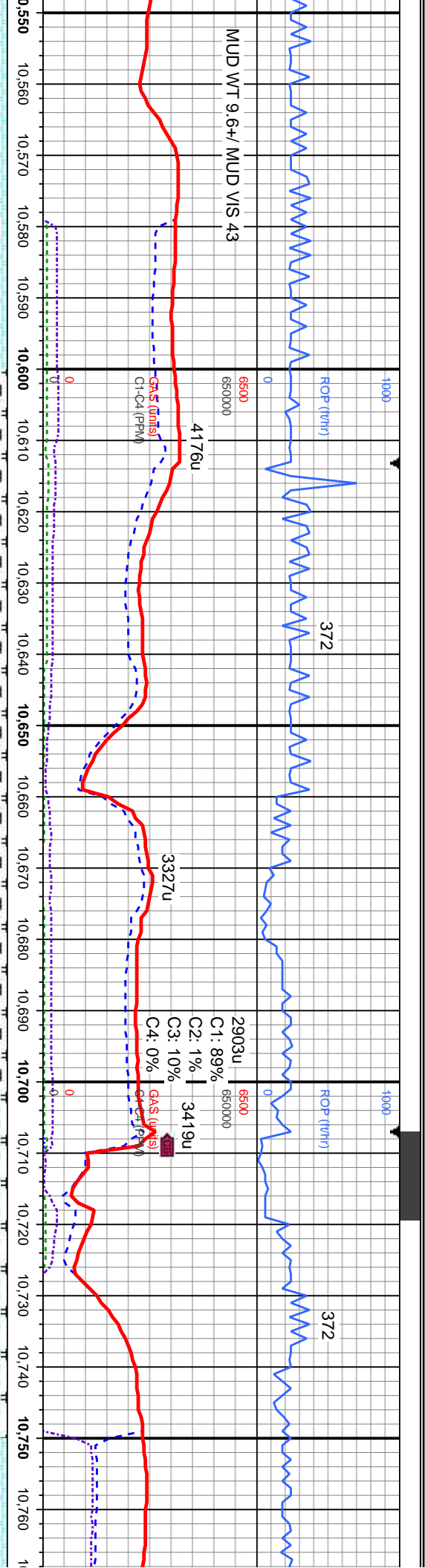
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent; MRLST: med-dk gy, mot-spec, slt gr, sl frm, sb pty-pty, gt tex, calc, inoc, fast difse fast stmg, bri bl cut.

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

MD: 10,371'
TVD: 6,853.17'
Inclination: 90.9°
Azimuth: 271.6°
VS: 3,546.64'

MD: 10,465'
TVD: 6,852.6'
Inclination: 89.8°
Azimuth: 269.6°
VS: 3,640.39'





CHK: lt-med gy, occ crm, str, sb ply-blky, brt, sl sft, sb rthy-sm tex, v calc, tr bent, inoc, tr MRLST, fast difse fast stmg, bri bl cut.

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

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

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

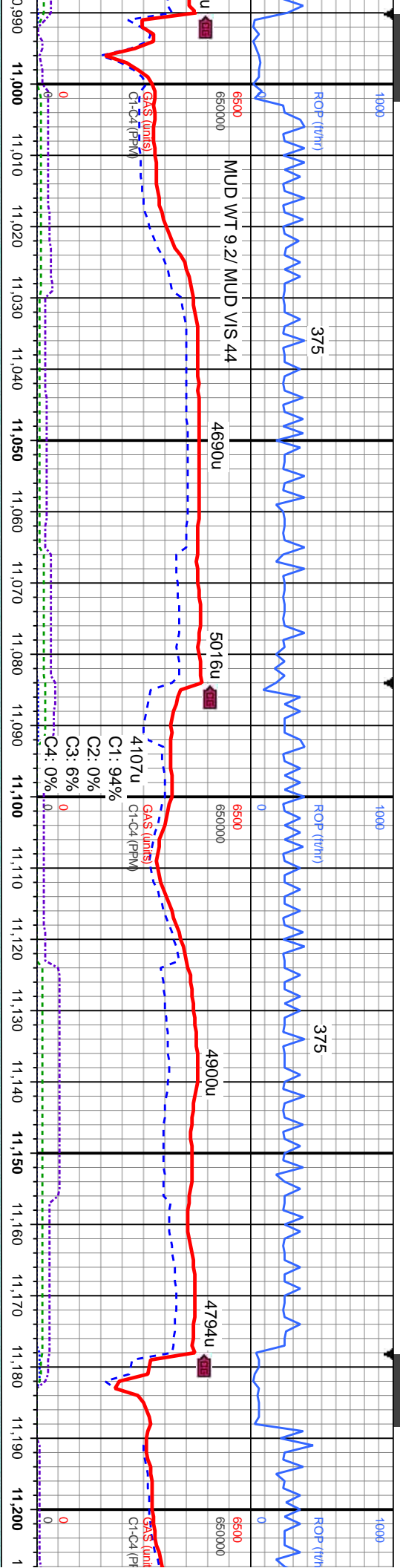
CHK: lt-med gy, brt, sl sft, sb rth

MD: 10,560'
TVD: 6,853.18'
Inclination: 89.5°
Azimuth: 269.5°
VS: 3,735.26'

MD: 10,654'
TVD: 6,854.41'
Inclination: 89°
Azimuth: 269.1°
VS: 3,829.14'

MD: 10,748'
TVD: 6,855.81'
Inclination: 89.3°
Azimuth: 268.6°
VS: 3,923.05'





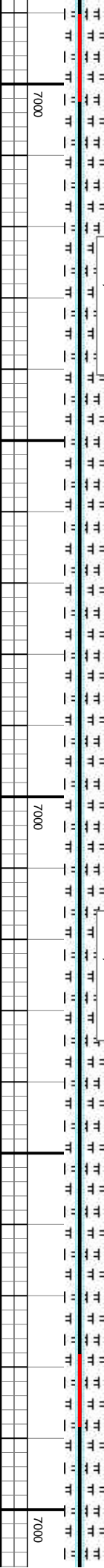
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent, inoc, tr MRLST, fast difse fast stmg, bri bl cut.

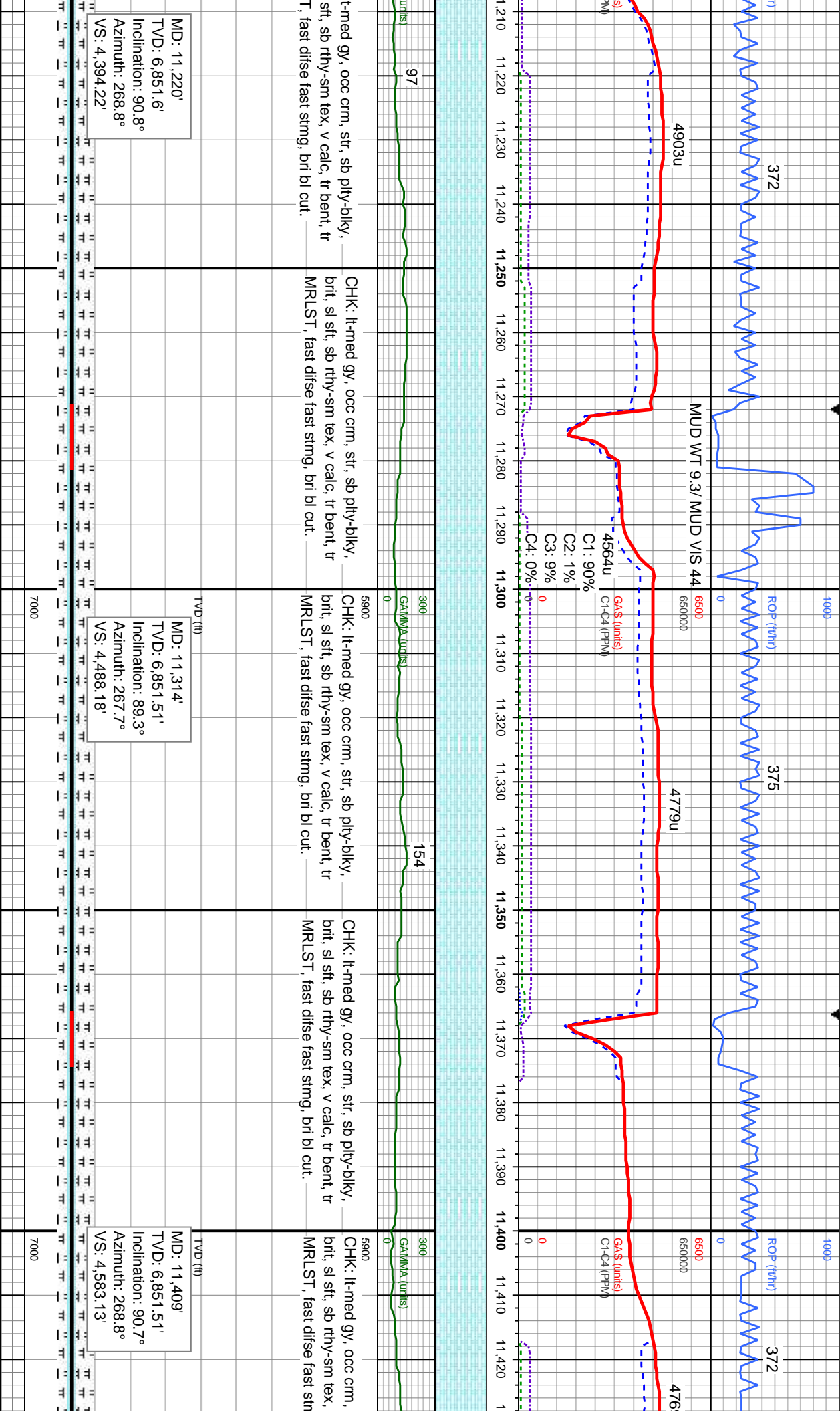
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent, inoc, tr MRLST, fast difse fast stmg, bri bl cut.

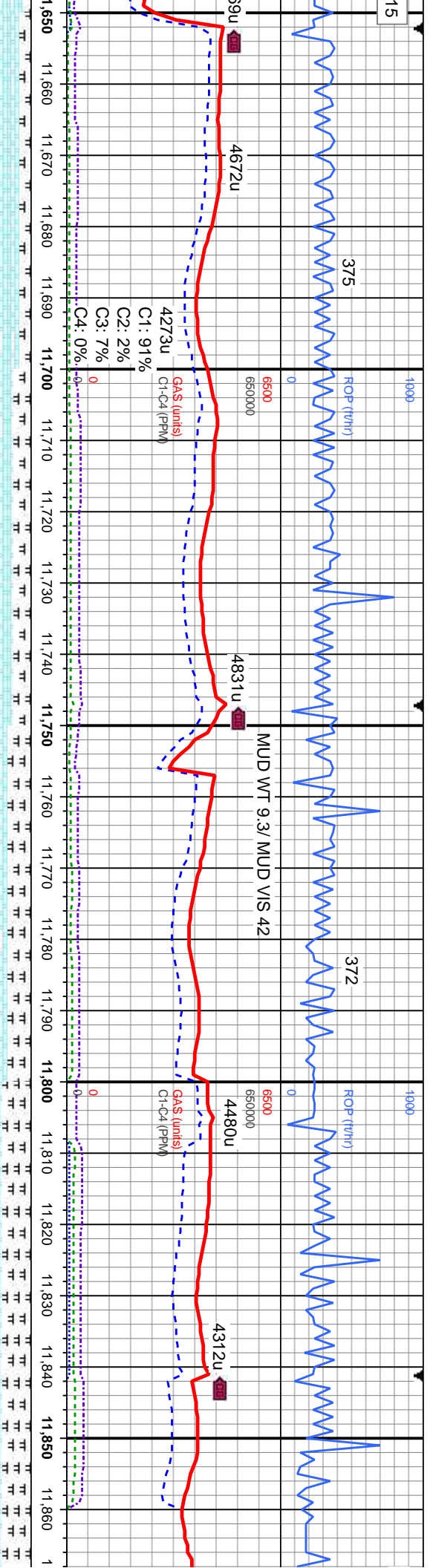
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent, inoc, tr MRLST, fast difse fast stmg, bri bl cut.

MD: 11,031'
TVD: 6,852.51'
Inclination: 90.3°
Azimuth: 270.7°
VS: 4,205.69'

MD: 11,125'
TVD: 6,852.26'
Inclination: 90°
Azimuth: 271.2°
VS: 4,299.41'







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

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

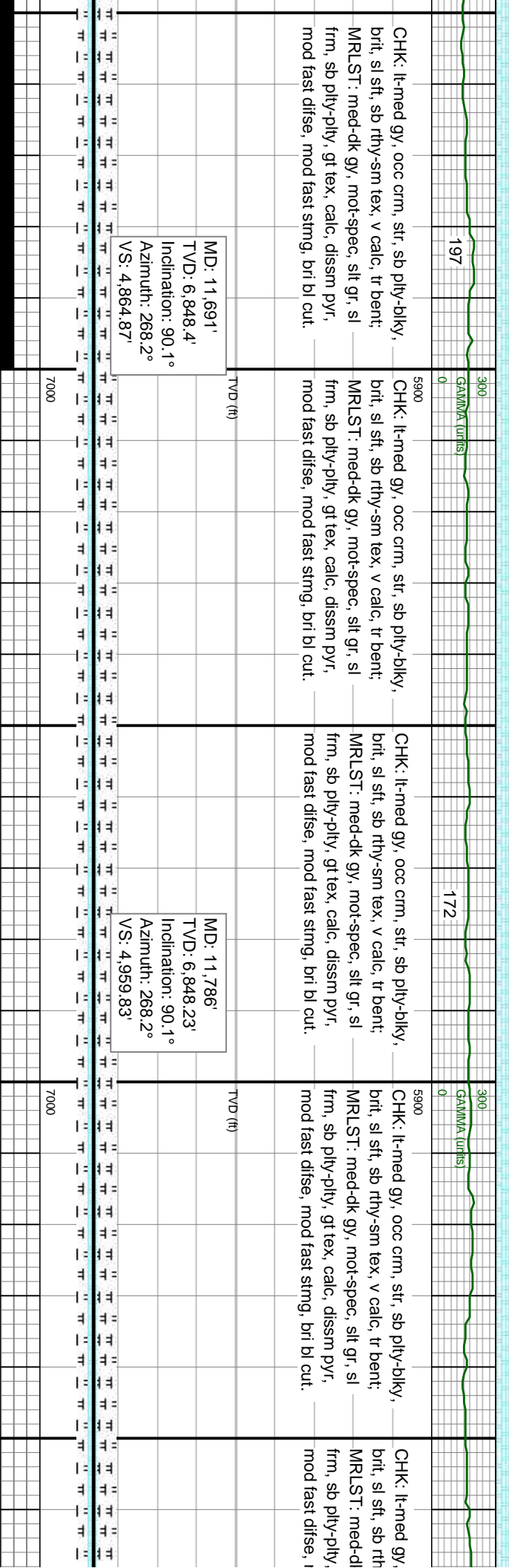
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent; MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pty-pty, gt tex, calc, dissim pyr, mod fast difse, mod fast string, bri bl cut.

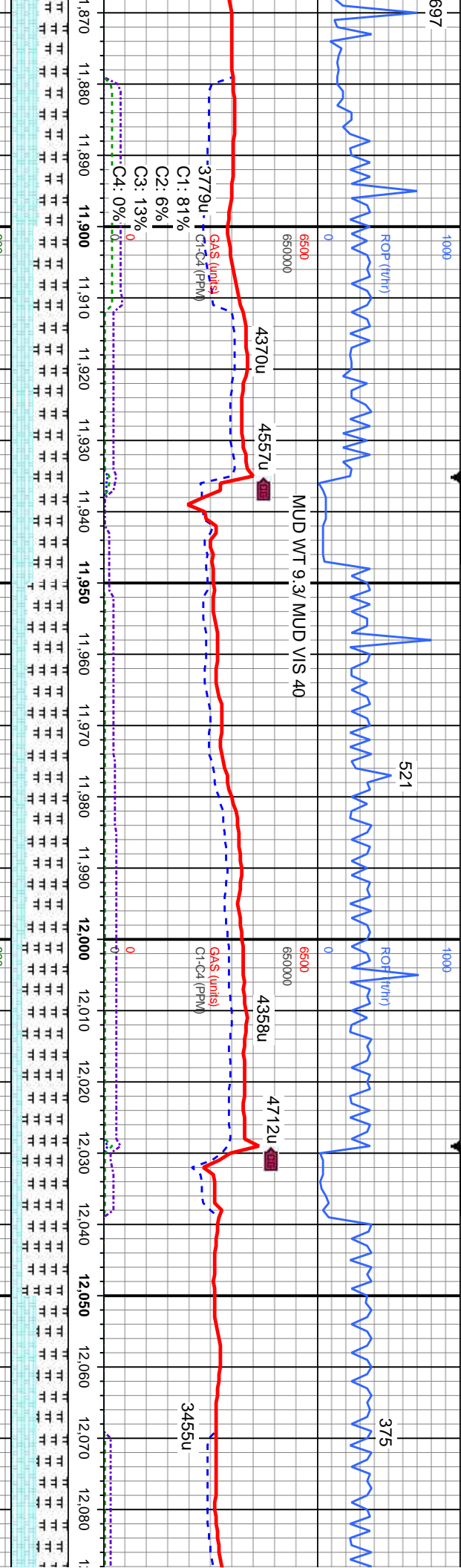
CHK: lt-med gy, occ crm, str, sb pty-blky, brit, sl sft, sb rthy-sm tex, v calc, tr bent; MRLST: med-dk gy, mot-spec, silt gr, sl frm, sb pty-pty, gt tex, calc, dissim pyr, mod fast difse, mod fast string, bri bl cut.

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

MD: 11,691'
TVD: 6,848.4'
Inclination: 90.1°
Azimuth: 268.2°
VS: 4,864.87'

MD: 11,786'
TVD: 6,848.23'
Inclination: 90.1°
Azimuth: 268.2°
VS: 4,959.83'





occ crm, str, sb pty-bkly, y-sm tex, v calc, tr bent; k gy, mot-spec, slt gr, sl gt tex, calc, diss pyr, mod fast strng, bri bl cut.

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

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

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

MD: 11,879'
TVD: 6,848.39'
Inclination: 89.7°
Azimuth: 267.9°
VS: 5,052.79'

MD: 11,974'
TVD: 6,849.55'
Inclination: 88.9°
Azimuth: 269.3°
VS: 5,147.72'

MD: 12,068'
TVD: 6,851.19'
Inclination: 89.1°
Azimuth: 270.5°
VS: 5,241.54'

7000

7000

7000



