



Scale: 5" / 100'
Measured Depth Log

Well Name Moses State LD11-78-1BHN

Location SWSW SEC 2 T9N R58W

State COLORADO

County WELD

Country USA

Rig Number H&P 273

API Number 05-123-39831

Field WILDCAT

Region DJ BASIN

Drilling Completed 1/31/2015

Spud Date 1/25/2015

Surface Coordinates 465' FSL; 1192' FWL

Bottom Hole Coordinates 330' FFSSL; 1100' FFWLL

Ground Elevation 4748'

K.B. Elevation 4772'

Logged Interval 4813' To 10639

Total Depth 10639'

Formation NIOBRARA

Type of Drilling Fluid LSND

Operator

Company NOBLE ENERGY INC.

Address 1625 Broadway Suite 2200
Denver, CO 80202

Geologist

Name RENEE CLACKLER

Company NOBLE ENERGY INC.

Address 1625 Broadway Suite 2200
Denver, CO 80202

Other

Wellsite Geologist #1 Laura Kellogg

Wellsite Geologist #2 Tim Bright

Wellsite Geological Services Provided By Columbine Logging








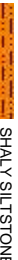




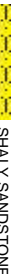













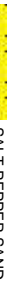






Zone Color Coding

Oil
Note
Error






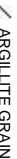








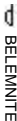
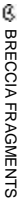








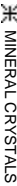







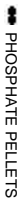

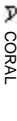
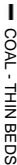


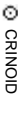

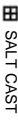





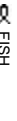


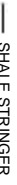
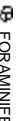
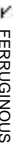


Condensate
Core
Water

Gas
Pres
Sea

Rock Types

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

Accessories

	F FOSSIL		ARGILLACEOUS		GLAUCONITE		TUFFACEOUS
	GASTROPOD		ARGILLITE GRAIN		GYPSIFEROUS		
	ALGAE		B BENTONITE		HEAVY MINERAL		
	AMPHIPORA		BITUMENOUS SUBSTANCE		INOCERAMUS		ANHYDRITE STRINGER
	BELEMNITE		BRECCIA FRAGMENTS		K KAOLIN		BENTONITE STRINGER
	BIOCLASTIC		C CALCAREOUS		T MARLSTONE		COAL STRINGER
	BRACHIOPOD		C CARBONACEOUS FLAKES		M MINERAL CRYSTALS		DOLOMITE STRINGER
	BRYOZOA		C CHTDK		N NODULES		GYPSUM STRINGER
	CEPHALOPOD		C CHTLT		P PHOSPHATE PELLETS		LIMESTONE STRINGER
	CORAL		C COAL - THIN BEDS		P PYRITE		MARLSTONE (CALC) STRG
	CRINOID		D DOLOMITIC		B SALT CAST		MARLSTONE (DOL) STRG
	ECHINOID		F FELDSPAR		S SANDY		SANDSTONE STRINGER
	FISH		F FERRUGINOUS PELLET		S SILICEOUS		SHALE STRINGER
	FORAMINIFERA		F FERRUGINOUS		S SILTY		SILTSTONE STRINGER

















Minerals

Stringer

Engineering

Oil Show

Porosity

	M MOLDIC		CONNECTION (LEFT)
	O ORGANIC		CONNECTION (RIGHT)
	P PINPOINT		F FENESTRAL
	V VUGGY		F FRACTURE
	E EVEN		C CORE - LOST
	Q QUESTIONABLE		I INTERCRYSTALLINE
	S SPOTTED STAINING		C CORE - RECOVERED
			I INTERROOTIC
			D DST INTERVAL

Other Symbols

 FAULT  WIRELINE TESTED - LEFT **E** EARTHY

 FORMATION TOP  WIRELINE TESTED - RT **FX** FINELYXLN

 GAS SHOW **GS** GRAINSTONE

 MINDEPTH MN DEPTH **L** LITHOGRAPHIC

Rounding


 NORMAL FAULT **A** ANGULAR **MX** MICROXLN

 OIL SHOW **R** ROUNDED **MS** MUDSTONE

 OVERTURNED STRATA **B** SUBANG **PS** PACKSTONE

 REVERSE FAULT **F** SUBRND **WS** WACKESTONE

 SIDEWALL CORE (LEFT)


 SIDEWALL CORE (RIGHT)

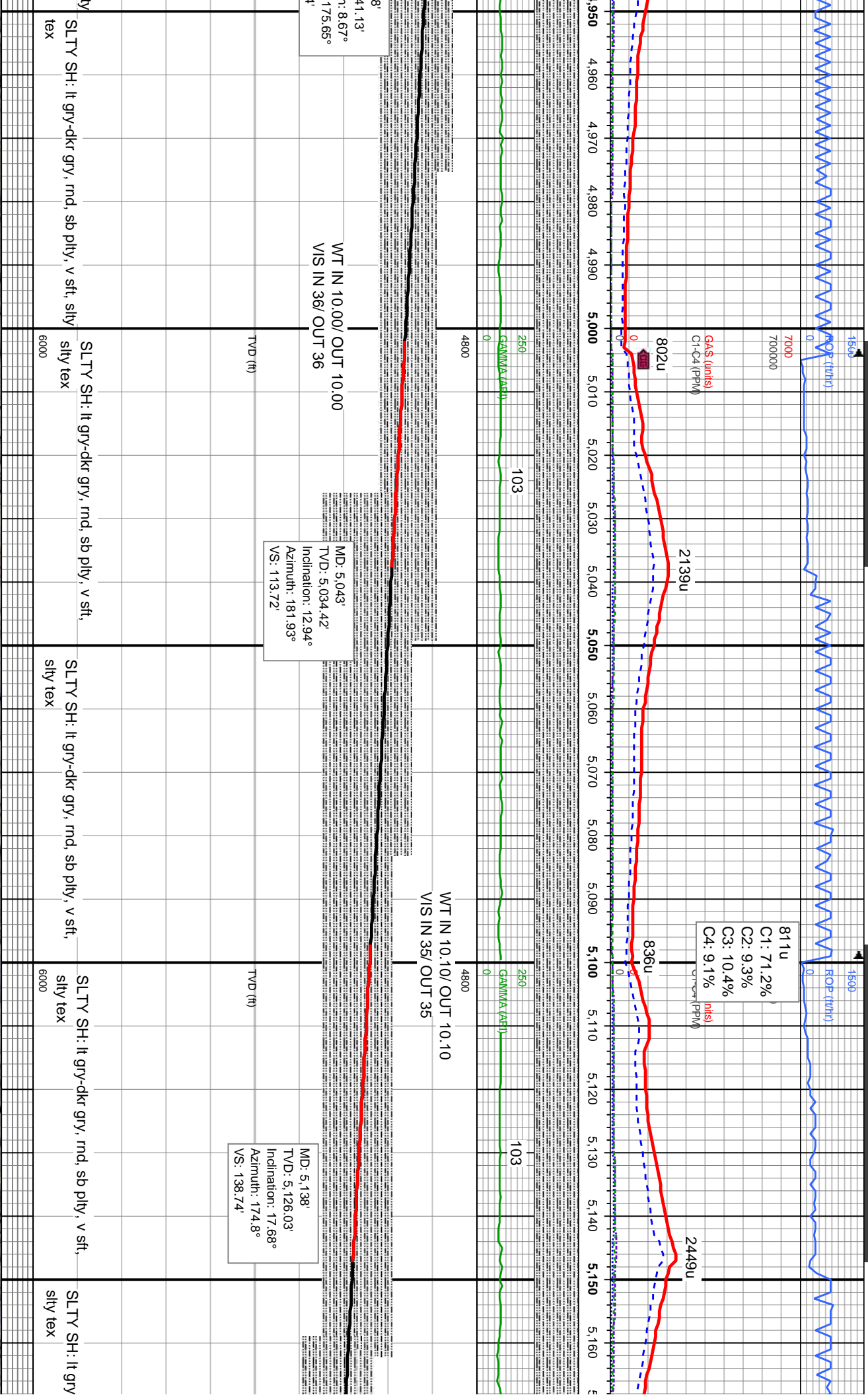
Textures

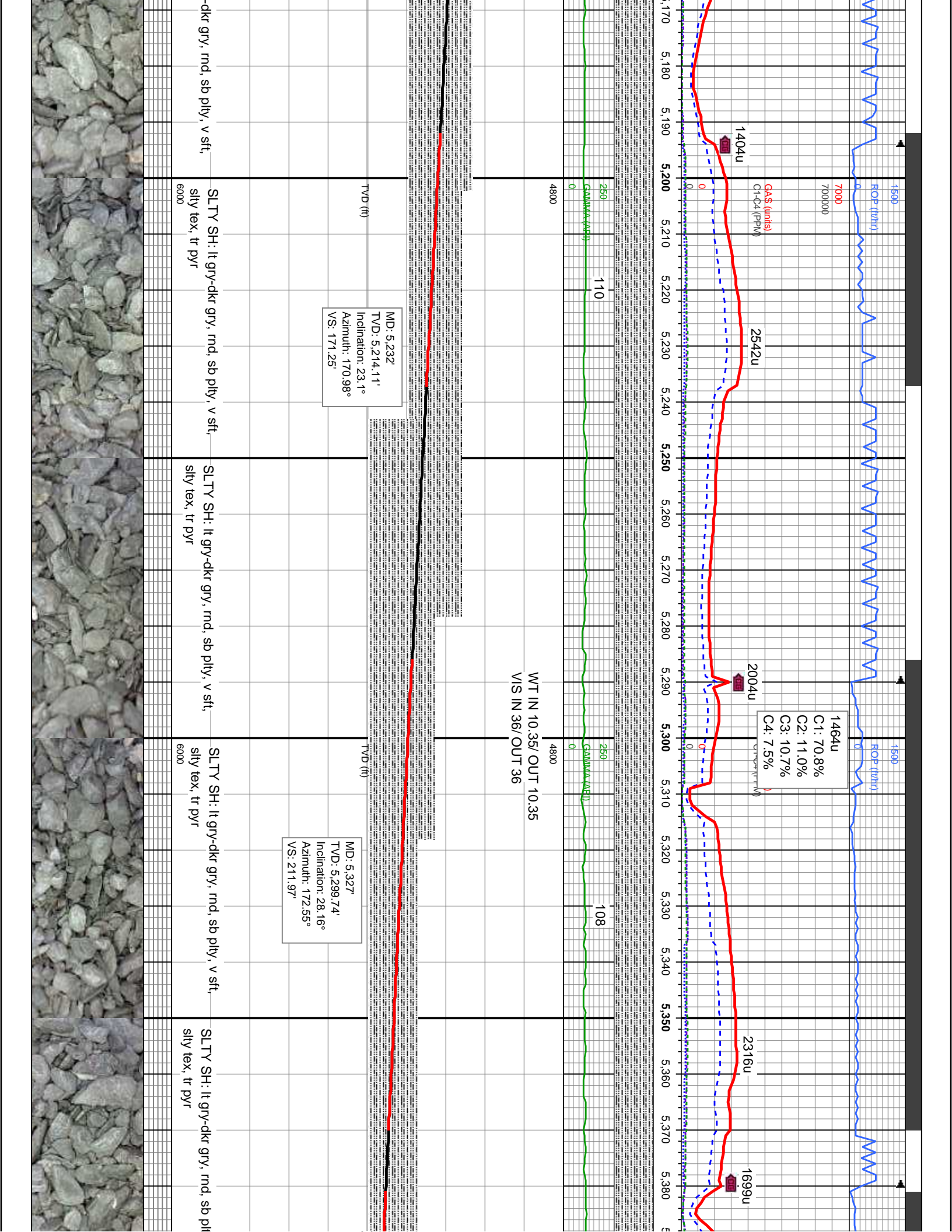
Sorting

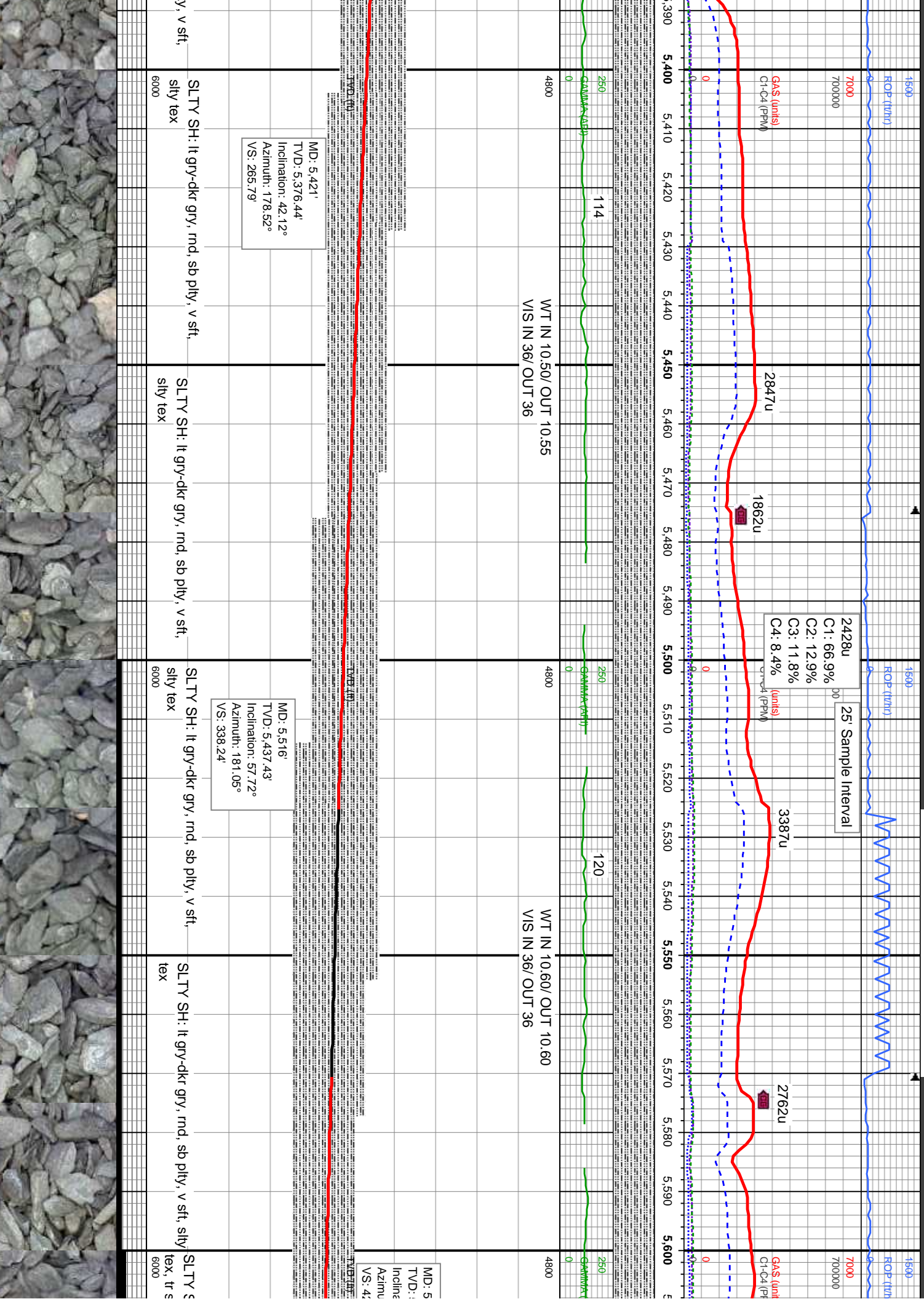
 SLIDE **BS** BOUNDSTONE **M** MODERATE

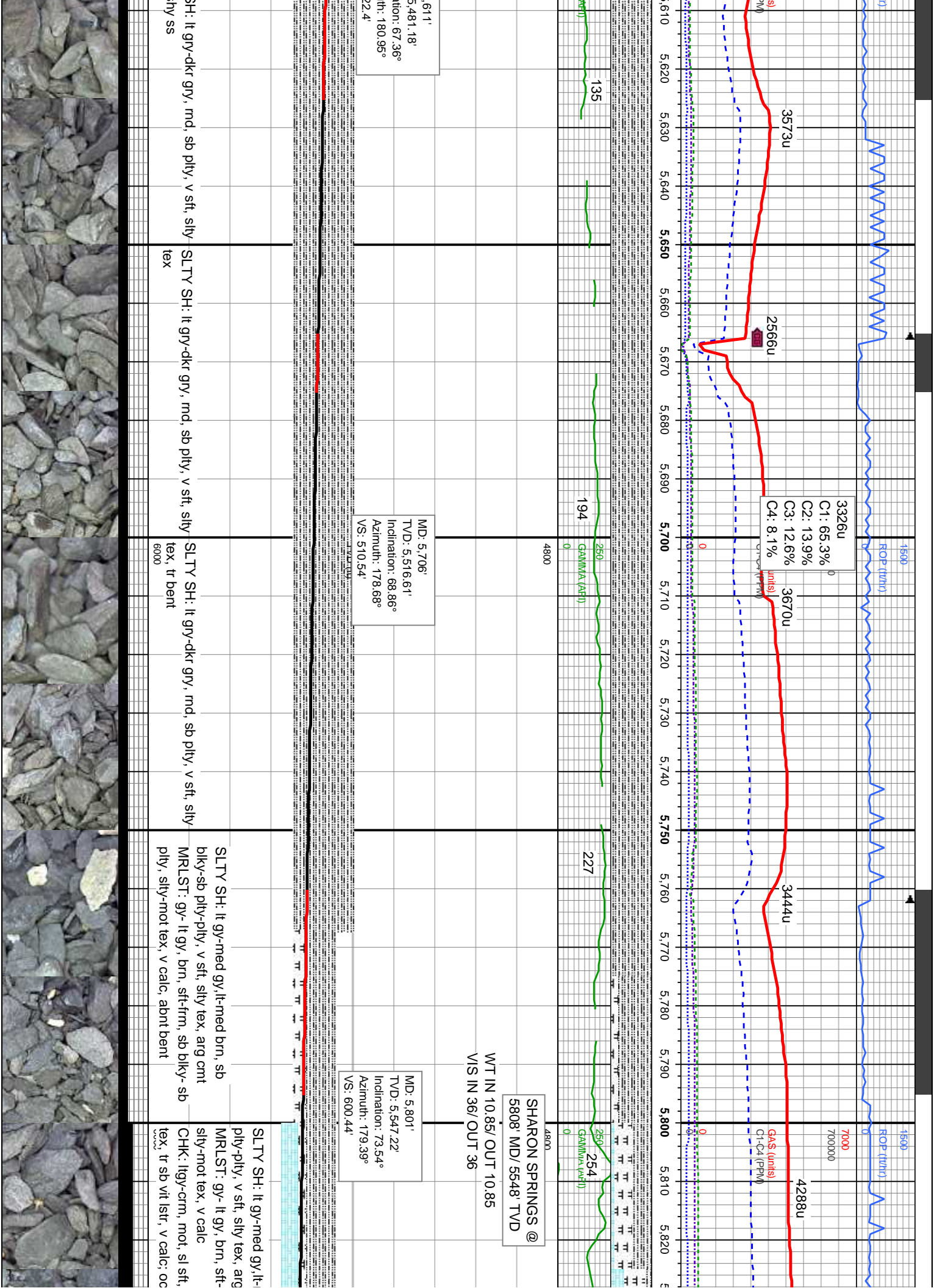
 SURVEY **C** CHALKY **P** POOR

 TRIP GAS **CX** CRYPTOXLN **W** WELL

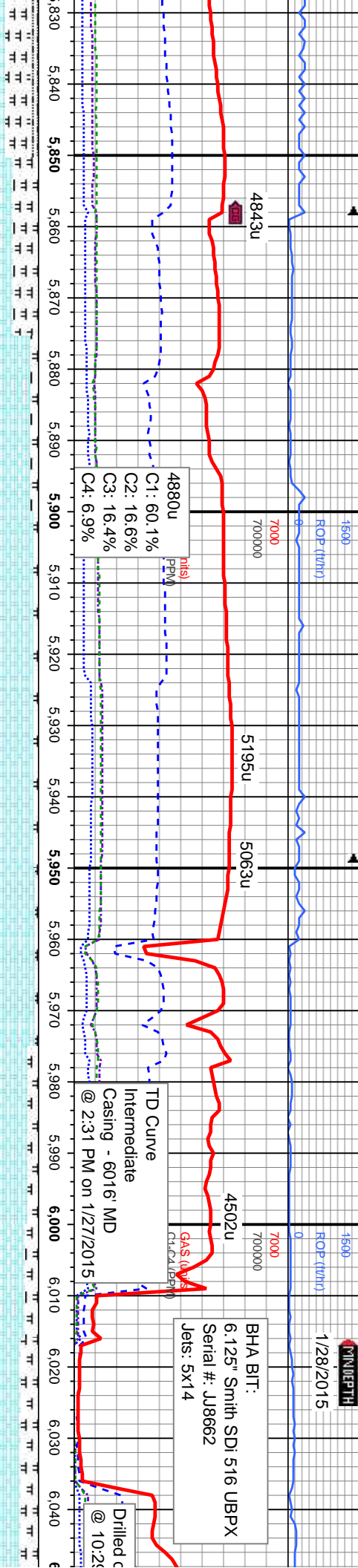








BHA BIT:
6.125" Smith SDI 516 UBPX
Serial #: J18662
Jets: 5x14



4880u
C1: 60.1%
C2: 16.6%
C3: 16.4%
C4: 6.9%

NIO A CHALK @
5861' MD/ 5561' TVD

WT IN 10.90/ OUT 10.90
VIS IN 36/ OUT 36

MD: 5.896'
TVD: 5.569.99'
Inclination: 78.72°
Azimuth: 177.06°
VS: 692.61'

WT IN 11.05/ OUT 11.05
VIS IN 36/ OUT 36

TVD SCALE
CHANGE

MD: 5.962'
TVD: 5.582.41'
Inclination: 79.6°
Azimuth: 175.51°
VS: 757.33'

NIO A MARL @
6008' MD/ 5588' TVD

MD: 6.016'
TVD: 5.589.64'
Inclination: 85°
Azimuth: 174°
VS: 810.65'

MD: 6.029'
TVD: 5.591.38'
Inclination: 85°
Azimuth: 174.41°
VS: 823.5'

med brn, sb blkly-sb cnt	MRLST: gy- lt gy, brn, sft-firm, sb blkly- sb ply, silty-mot tex, v calc	CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy tex, tr sb vit lsfr, v calc; abnt bent
sb blkly, mot-wxy c bent	CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy tex, tr sb vit lsfr, v calc; abnt bent	CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy tex, tr sb vit lsfr, v calc; abnt bent



DEPTH

1/29/2015

50' Sample Interval

2467u
C1: 55.3%
C2: 16.6%
C3: 17.5%
C4: 10.6%

3575u

4194u

4104u

4202u

4442u

out of 7" Casing
9 PM on 1/28/2015

Gas (units)
C1-C4 (PPM)

WT IN 10.20/ OUT 10.20
VIS IN 38/ OUT 38

MD: 6,091'
TVD: 5,596.64'
Inclination: 85.28°
Azimuth: 174.74°
VS: 885.06'

MD: 6,184'
TVD: 5,602.17'
Inclination: 87.9°
Azimuth: 176.42°
VS: 977.68'

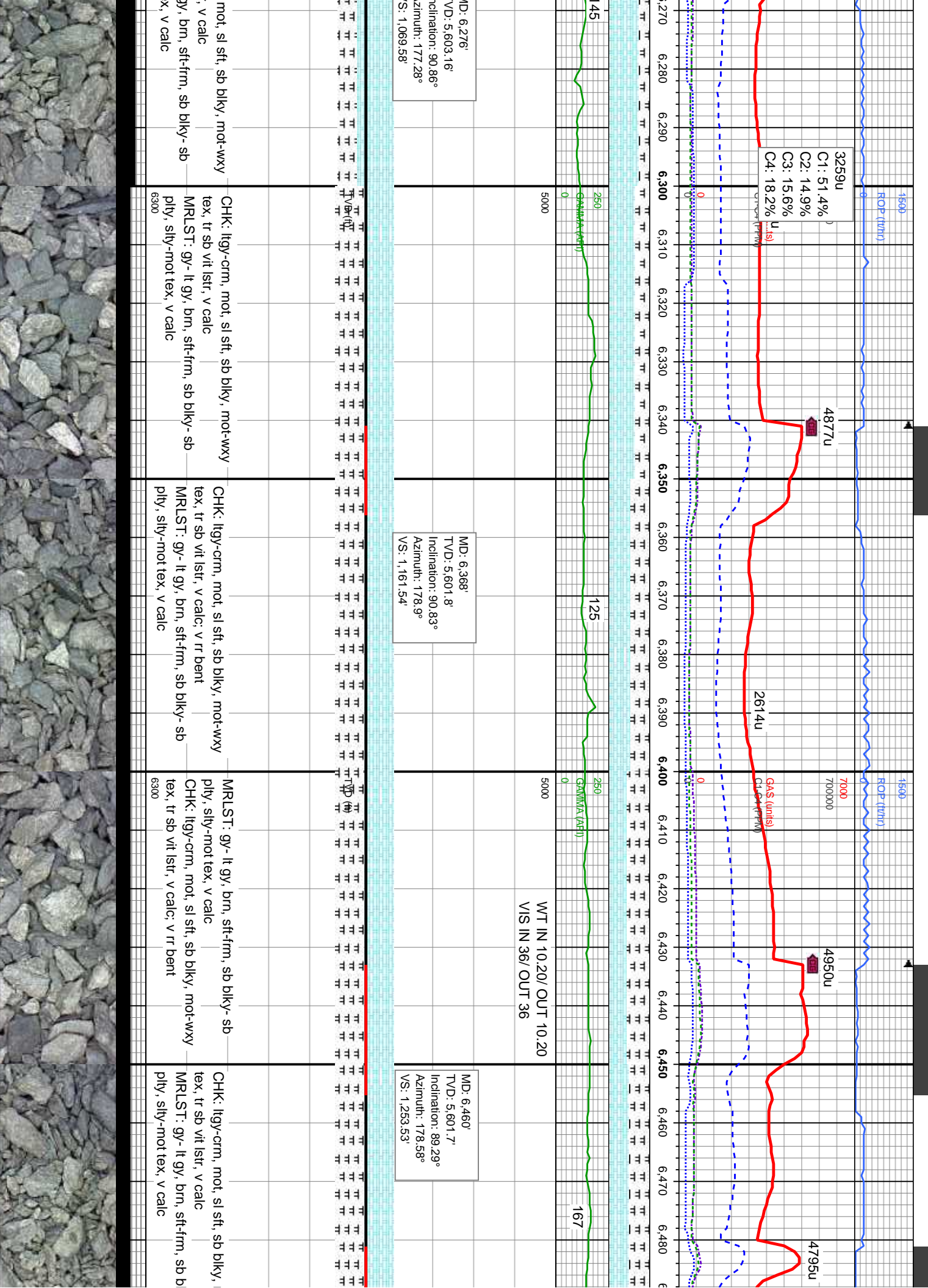
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc; abnt bent, tr pyr
MRLST: gy- lt gy, brn, sft-fm, sb blkly- sb
ply, silty-mot tex, v calc

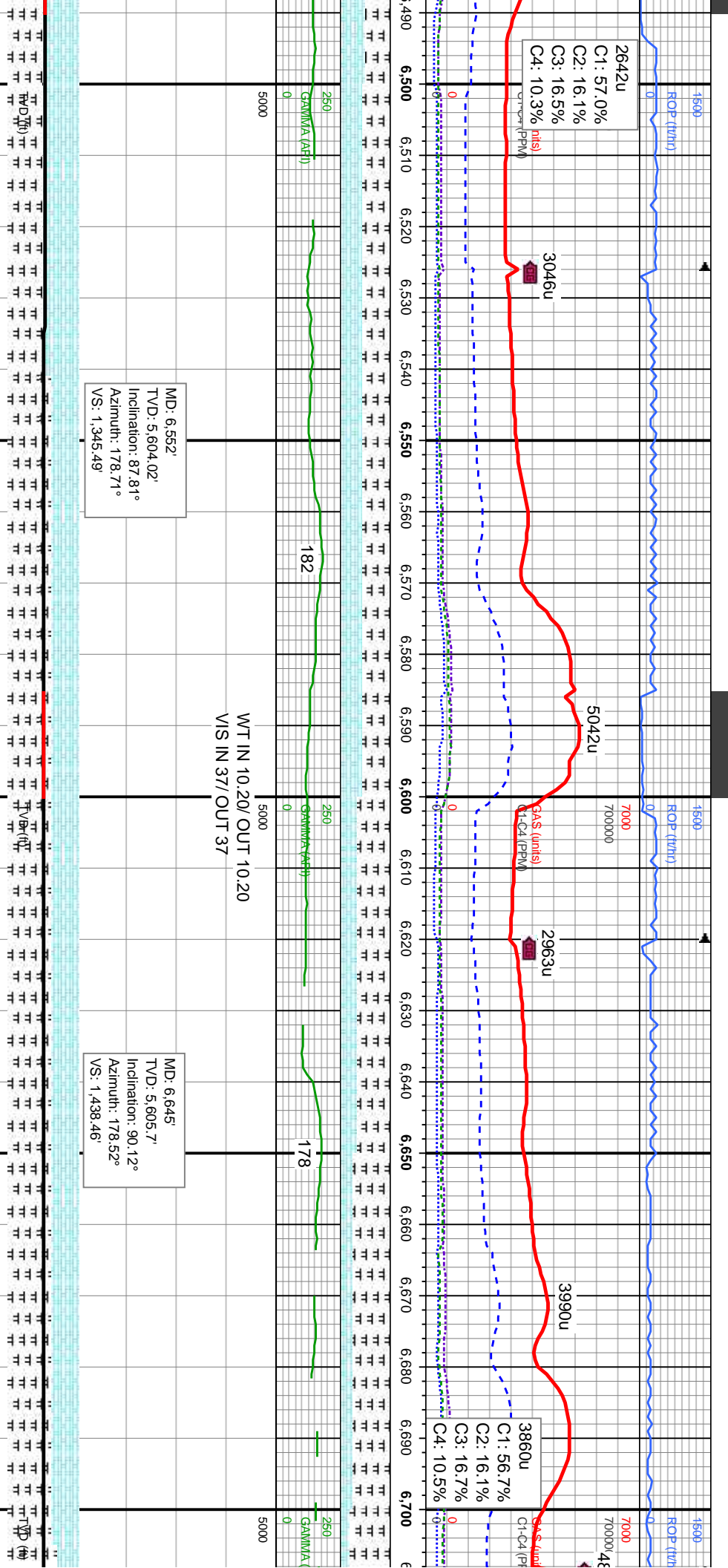
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc; v rr bent, rr pyr
MRLST: gy- lt gy, brn, sft-fm, sb blkly- sb
ply, silty-mot tex, v calc

CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc; rr bent, v rr pyr
MRLST: gy- lt gy, brn, sft-fm, sb blkly- sb
ply, silty-mot tex, v calc

MRLST: lt gy- dk gy, brn, sft-fm, sb blkly- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc

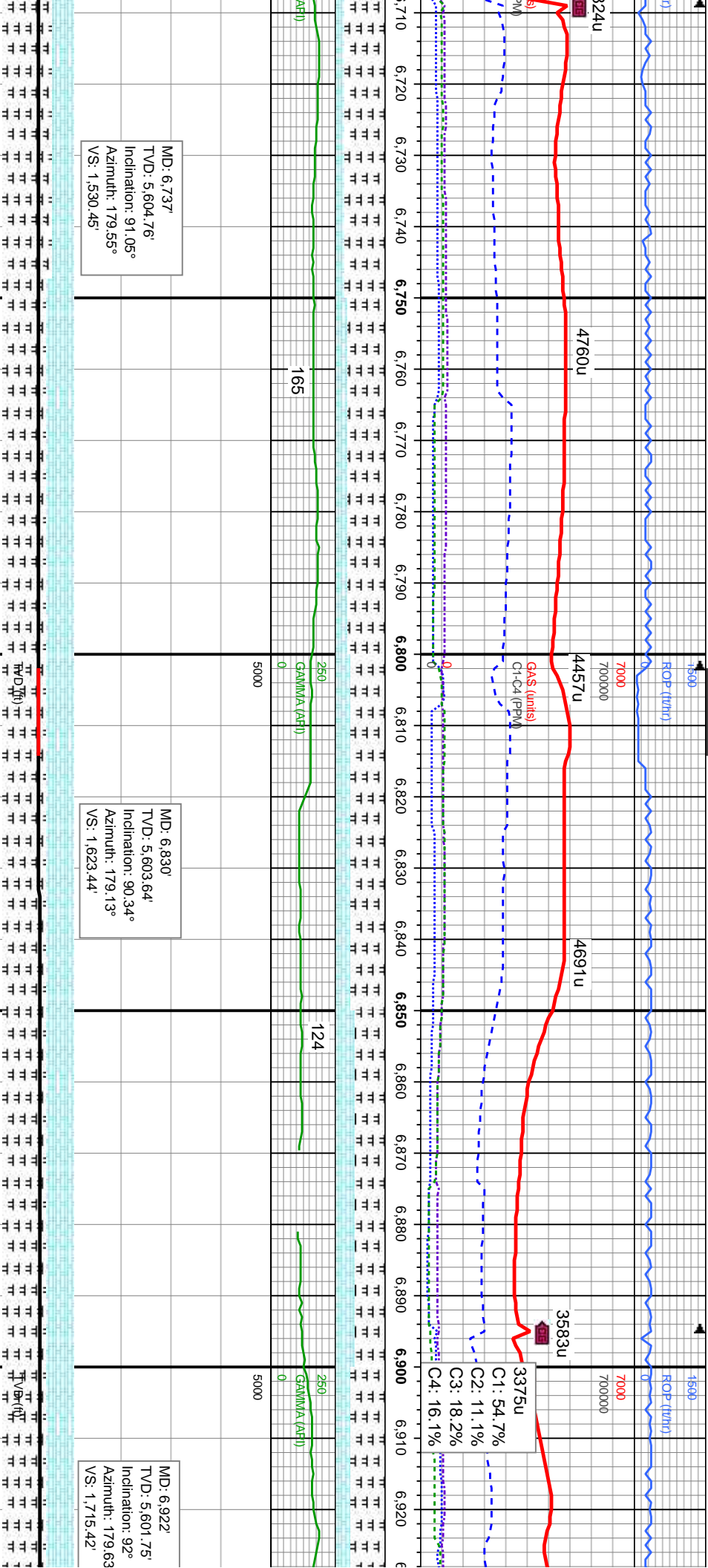
CHK: ltgy-crm,
tex, tr sb vit lstr
MRLST: gy- lt gy
ply, silty-mot tex





mot-wxy	MRLST: gy- lt gy, brn, sft-frn, sb biky- sb	MRLST: gy- lt gy, brn, sft-frn, sb biky- sb	MRLST: gy- lt gy, brn, sft-frn, sb biky- sb
ply, sily-mot tex, v calc	ply, sily-mot tex, v calc	ply, sily-mot tex, v calc	ply, sily-mot tex, v calc
CHK: ltgy-crm, mot, sl sft, sb biky, mot-wxy	CHK: ltgy-crm, mot, sl sft, sb biky, mot-wxy	CHK: ltgy-crm, mot, sl sft, sb biky, mot-wxy	CHK: ltgy-crm, mot, sl sft, sb biky, mot-wxy
tex, tr sb vit lstr, v calc	tex, tr sb vit lstr, v calc	tex, tr sb vit lstr, v calc	tex, tr sb vit lstr, v calc
6300	6300	6300	6300





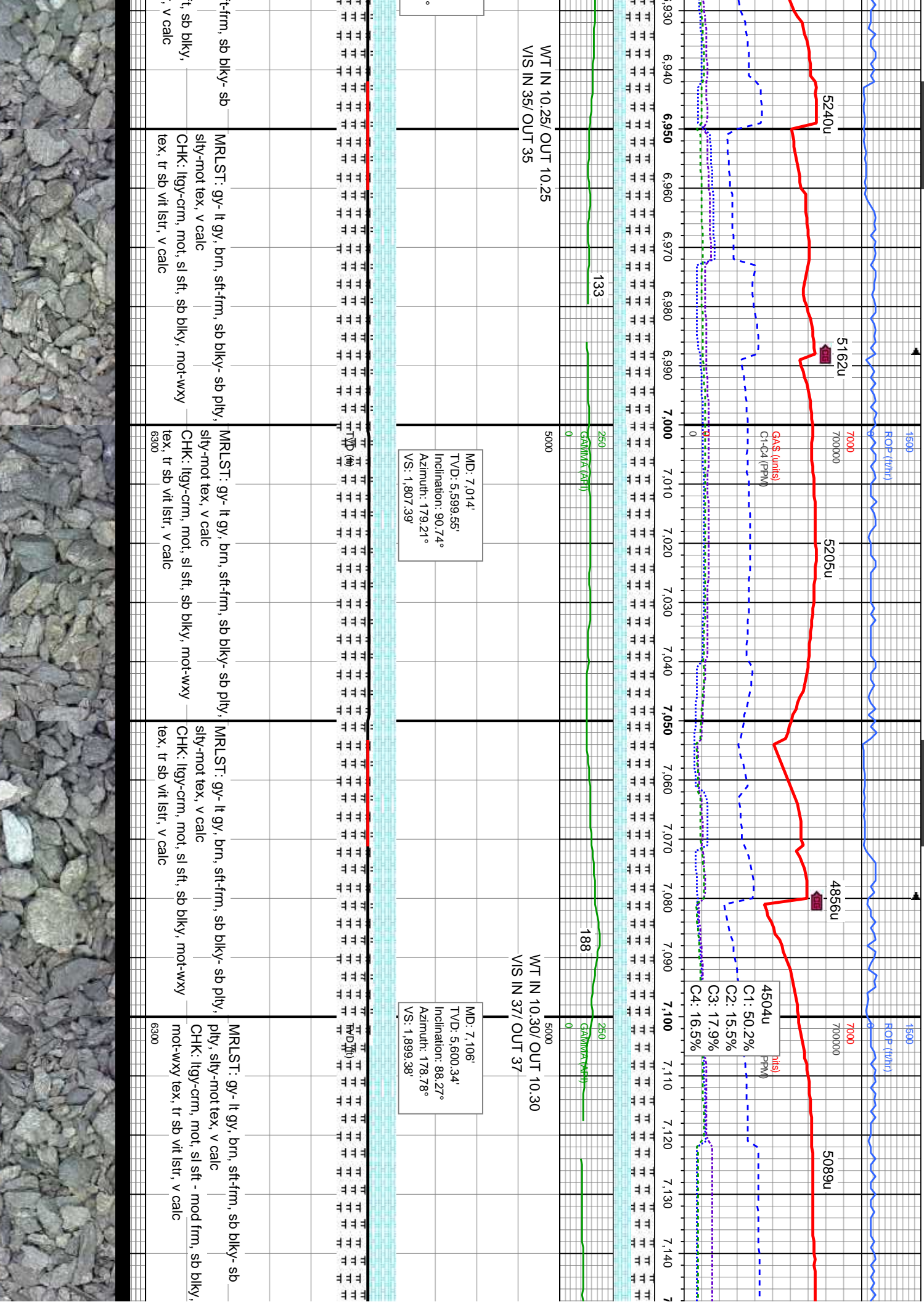
ST: gy- lt gy, brn, sft-frm, sb blk- sb
sily-mot tex, v calc
lgy-crm, mot, sl sft, sb blk-
wxy tex, tr sb vit lstr, v calc

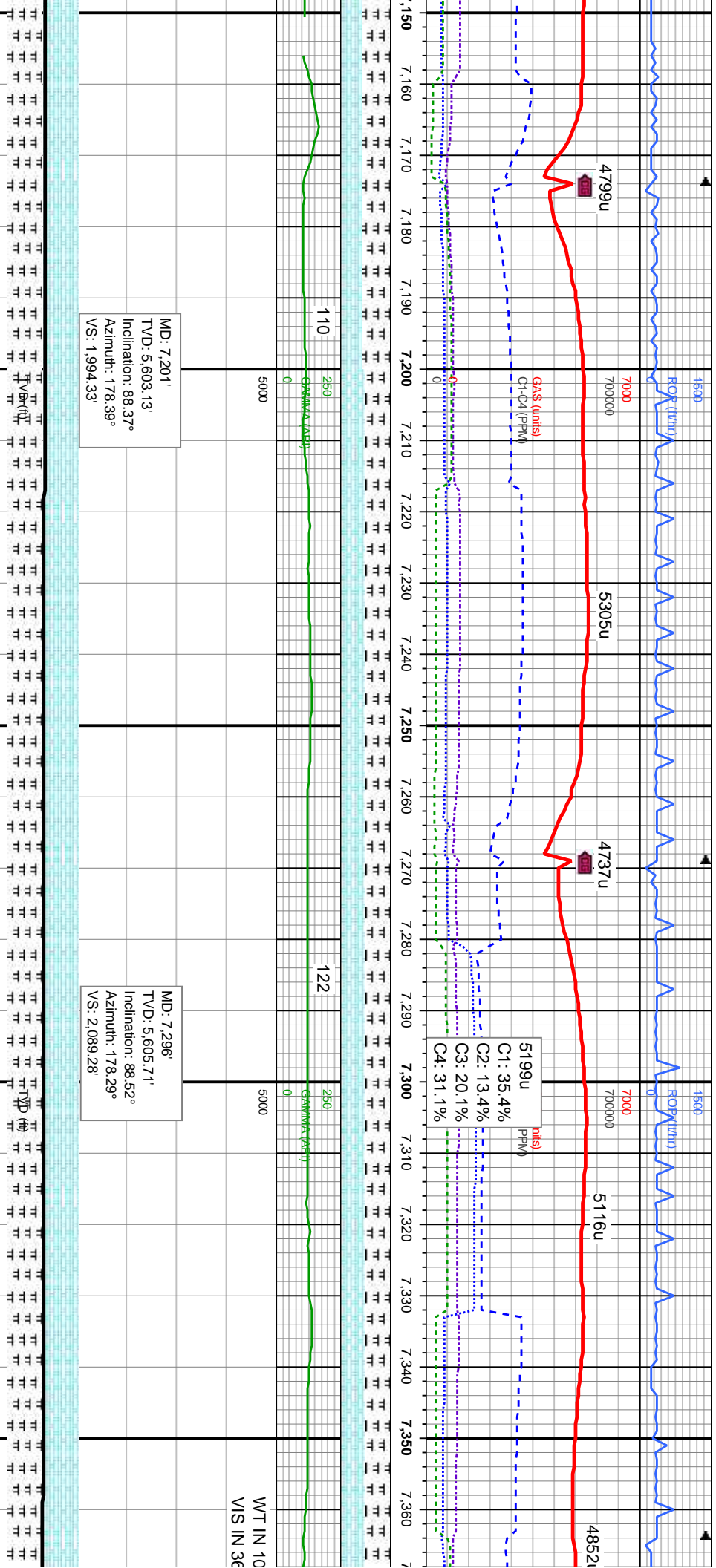
MRLST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, sily-mot tex, v calc
CHK: lgy-crm, mot, sl sft, sb blk-
mot-wxy tex, tr sb vit lstr, v calc

MRLST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, sily-mot tex, v calc
CHK: lgy-crm, mot, sl sft, sb blk-
mot-wxy tex, tr sb vit lstr, v calc

MRLST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, sily-mot tex, v calc
CHK: lgy-crm, mot, sl sft, sb blk-
mot-wxy tex, tr sb vit lstr, v calc

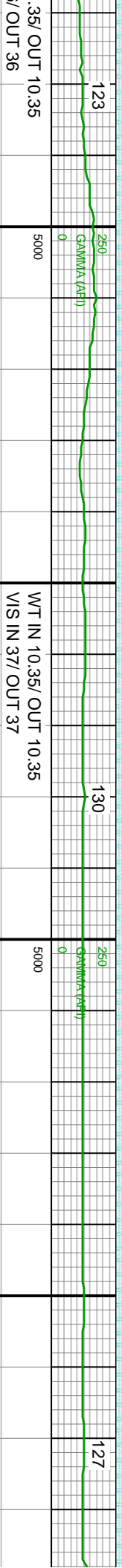
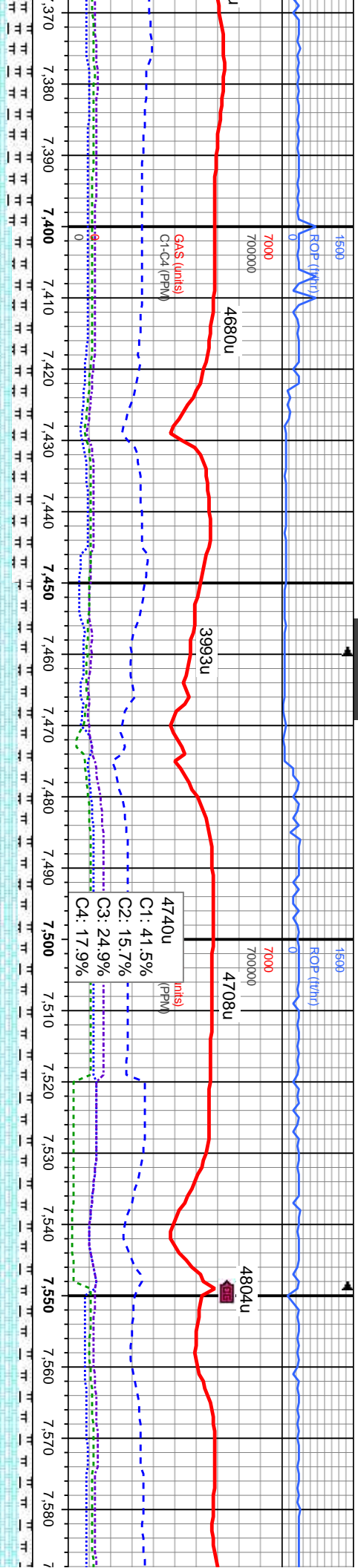






MR LST: gy- lt gy, brn, sft-frm, sb blk- sb ply, silty-mot tex, v calc CHK: ltgy-crm, mot, sl sft - mod frm, sb blk, mot-wxy tex, tr sb vit lstr, v calc	MR LST: gy- lt gy, brn, sft-frm, sb blk- sb ply, silty-mot tex, v calc CHK: ltgy-crm, mot, sl sft - mod frm, sb blk, mot-wxy tex, tr sb vit lstr, v calc	MR LST: gy- lt gy, brn, sft-frm, sb blk- sb ply, silty-mot tex, v calc CHK: ltgy-crm, mot, sl sft - mod frm, sb blk, mot-wxy tex, tr sb vit lstr, v calc	MR LST: gy- lt gy, brn, sft-frm, sb blk- sb ply, silty-mot tex, v calc CHK: ltgy-crm, mot, sl sft - mod frm, sb blk, mot-wxy tex, tr sb vit lstr, v calc	MR LST: gy- lt ply, silty-mot te CHK: ltgy-crm, blk, mot-wxy t
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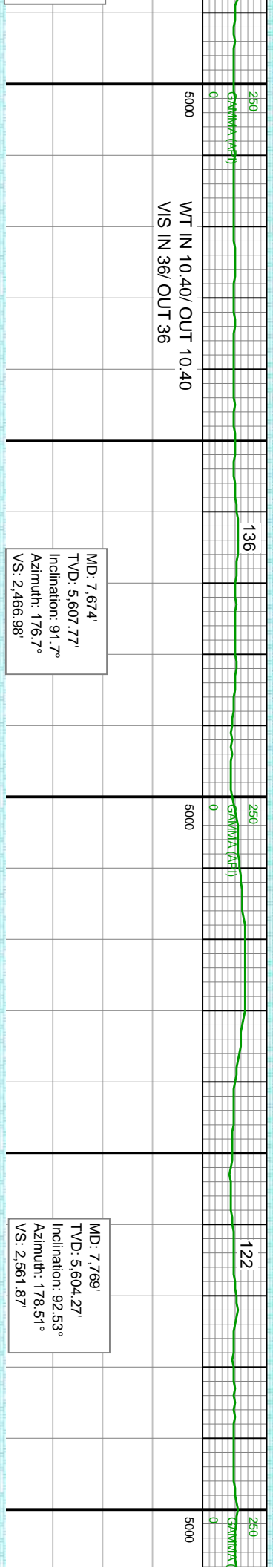
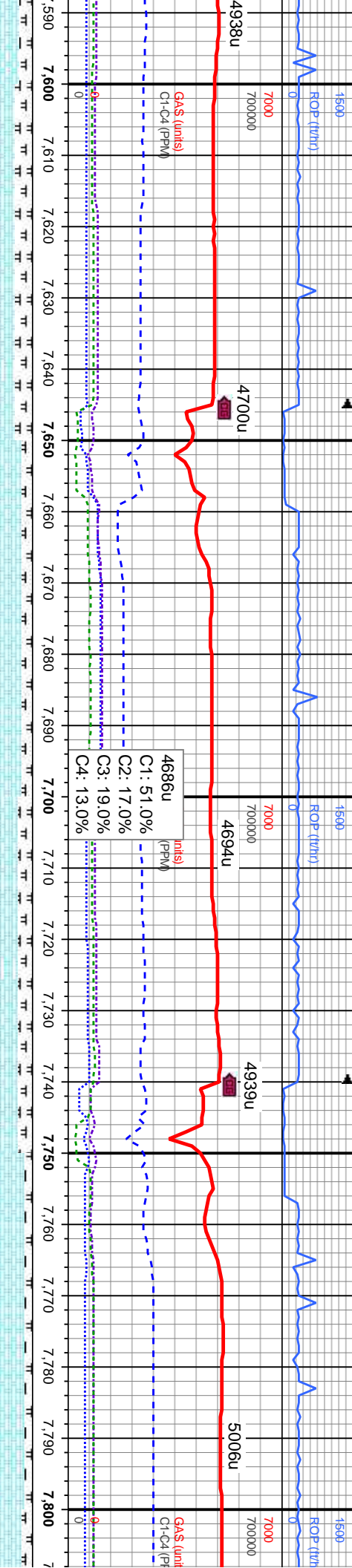
MD: 7,390'
TVD: 5,608.09'
Inclination: 88.58°
Azimuth: 177.61°
VS: 2,183.22

MD: 7,485'
TVD: 5,609.19'
Inclination: 90.09°
Azimuth: 177.39°
VS: 2,278.16'

MD: 7,580'
TVD: 5,609.14'
Inclination: 89.97°
Azimuth: 177.04°
VS: 2,373.09'

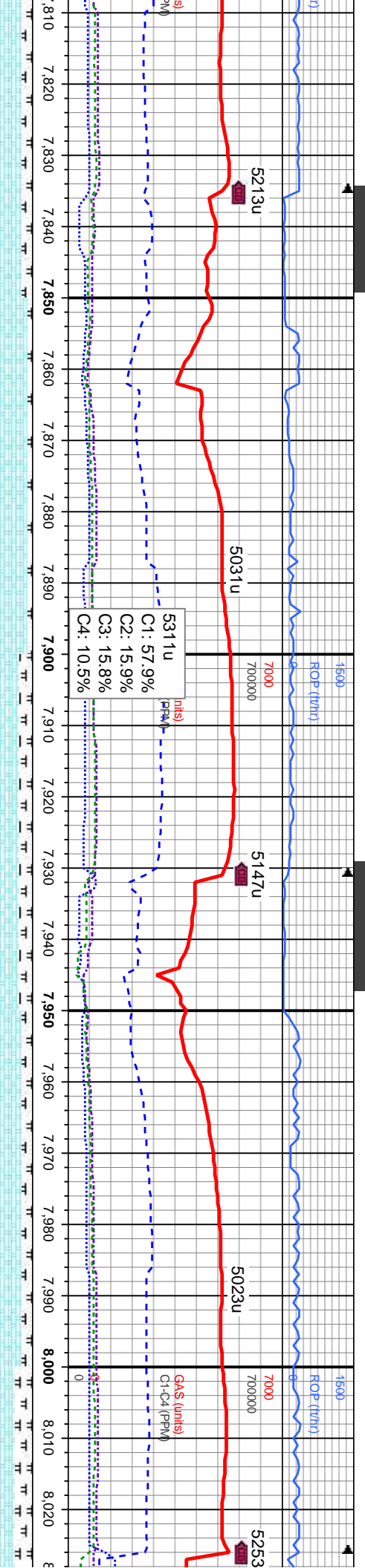
35/ OUT 10.35 / OUT 36	5000	WT IN 10.35/ OUT 10.35 VIS IN 37/ OUT 37	5000
gy, brn, sft-firm, sb blk- sb x, v calc mot, sl sft - mod firm, sb ex, tr sb vit lstr, v calc	CHK: ltgy-crm, mot, sl sft - mod firm, sb blk- mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-firm, sb blk- sb ply, silty-mot tex, v calc 6300	CHK: ltgy-crm, mot, sl sft - mod firm, sb blk- mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-firm, sb blk- sb ply, silty-mot tex, v calc 6300	CHK: ltgy-crm, mot, sl sft - mod firm, sb blk- mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-firm, sb blk- sb ply, silty-mot tex, v calc 6300





5000	WT IN 10.40 OUT 10.40 VIS IN 36 OUT 36	136	MD: 7.674' TVD: 5,607.77' Inclination: 91.7° Azimuth: 176.7° VS: 2,466.98'	5000	CHK: ltgy-crm, mot, sl sft - mod frm, sb blky, mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft- mod frm, sb blky- sb plty, silty-mot tex, v calc	6300
5000	WT IN 10.40 OUT 10.40 VIS IN 36 OUT 36	122	MD: 7.769' TVD: 5,604.27' Inclination: 92.53° Azimuth: 178.51° VS: 2,561.87'	5000	CHK: ltgy-crm, mot, sl sft - mod frm, sb blky, mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft- mod frm, sb blky- sb plty, silty-mot tex, v calc	6300





FAULT
7880' MD 5600' TVD
13' THROW

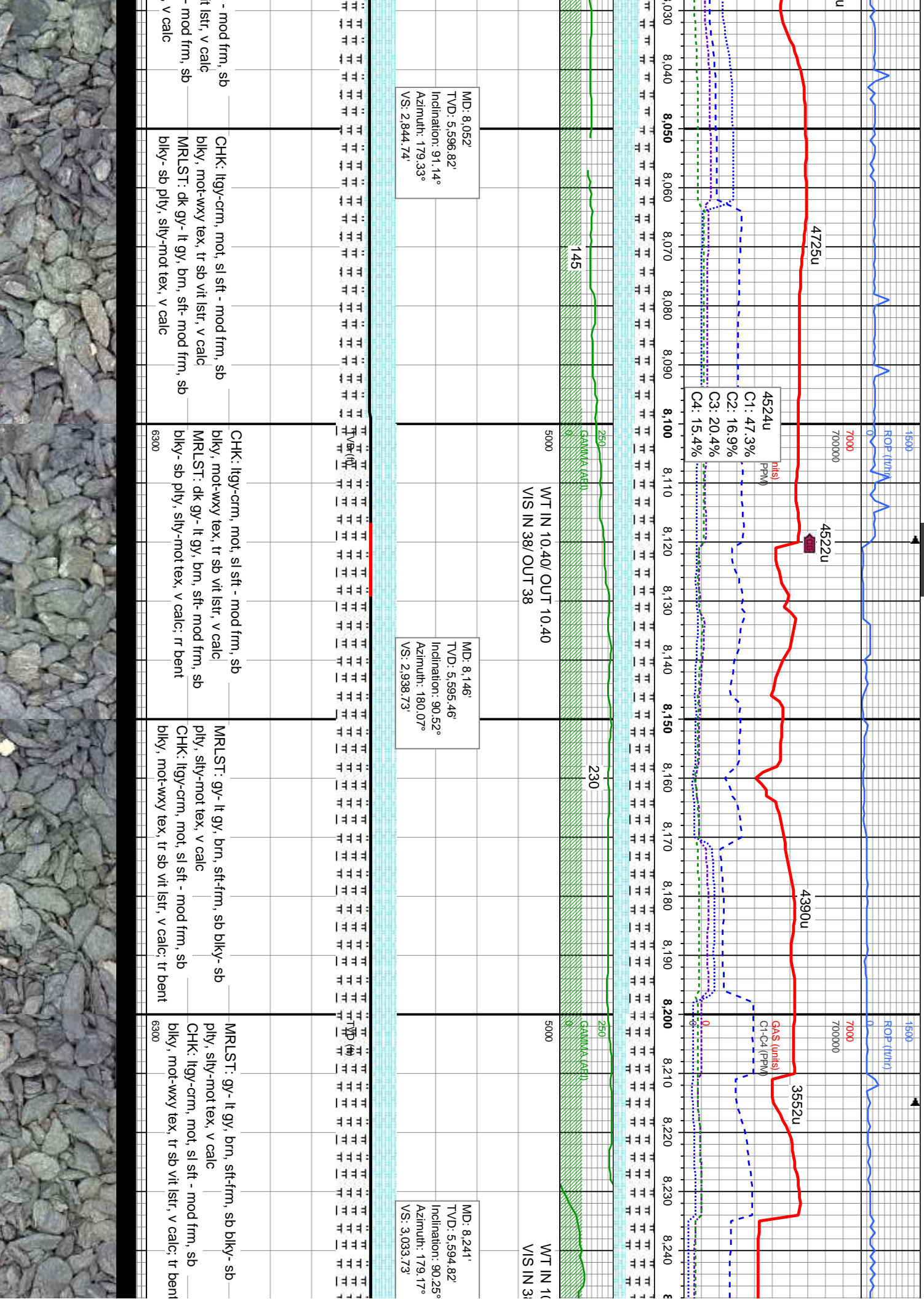
MD: 7,864'
TVD: 5,600.54'
Inclination: 91.97°
Azimuth: 178.68°
VS: 2,656.79'

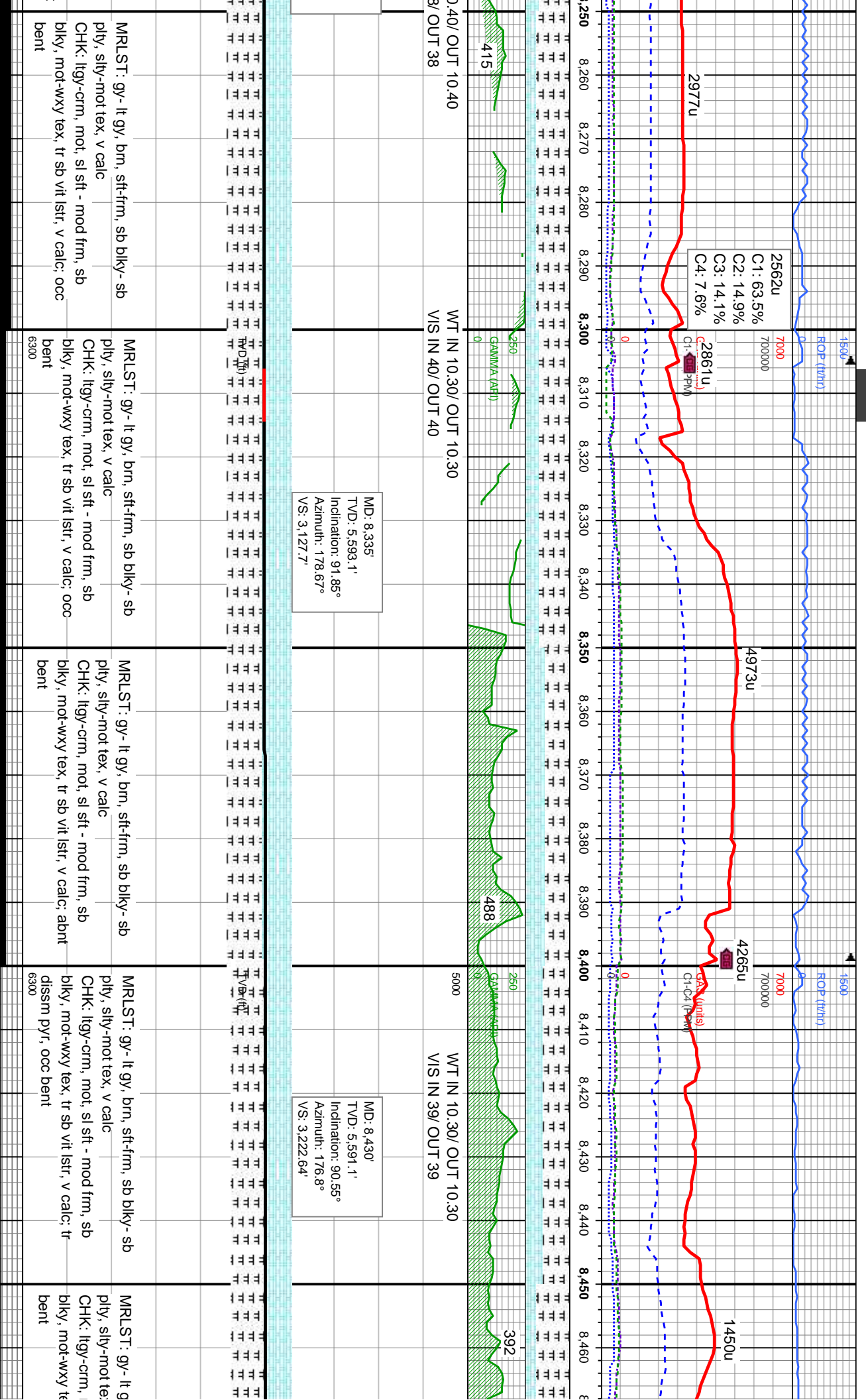
WT IN 10.45/ OUT 10.45
VIS IN 38/ OUT 38

MD: 7,958'
TVD: 5,598.34'
Inclination: 90.71°
Azimuth: 179.21°
VS: 2,750.76'

gy-crm, mot, sl sft - mod frm, sb blkly, y tex, tr sb vit lstr, v calc	CHK: ltgy-crm, mot, sl sft - mod frm, sb blkly, mot-wxy tex, tr sb vit lstr, v calc	CHK: ltgy-crm, mot, sl sft - mod frm, sb blkly, mot-wxy tex, tr sb vit lstr, v calc	CHK: ltgy-crm, mot, sl sft - mod frm, sb blkly, mot-wxy tex, tr sb vit lstr, v calc
gy- lt gy, brn, sft- mod frm, sb blkly- sfty-mot tex, v calc	MRLST: dk gy- lt gy, brn, sft- mod frm, sb blkly- sb plty, sfty-mot tex, v calc	MRLST: dk gy- lt gy, brn, sft- mod frm, sb blkly- sb plty, sfty-mot tex, v calc	MRLST: gy- lt gy, brn, sft- mod frm, sb blkly- sb plty, sfty-mot tex, v calc







MD: 8.335'
TVD: 5.593.1'
Inclination: 91.85°
Azimuth: 178.67°
VS: 3.127.7'

MD: 8.430'
TVD: 5.591.1'
Inclination: 90.55°
Azimuth: 176.8°
VS: 3.222.64'

DATE: 1/30/2015
TIME: 11:11

3198u
C1: 55.5%
C2: 15.1%
C3: 17.0%
C4: 12.4%

4669u

5358u

5439u

GA\$ (units)
C1-C4 (PPM)

MD: 8.525'
TVD: 5,589.11'
Inclination: 91.85°
Azimuth: 175.41°
VS: 3.317.46'

MD: 8.619'
TVD: 5,585.95'
Inclination: 92°
Azimuth: 174.41°
VS: 3.411.11'

WT IN 10.30/ OUT 10.30
VIS IN 40/ OUT 40

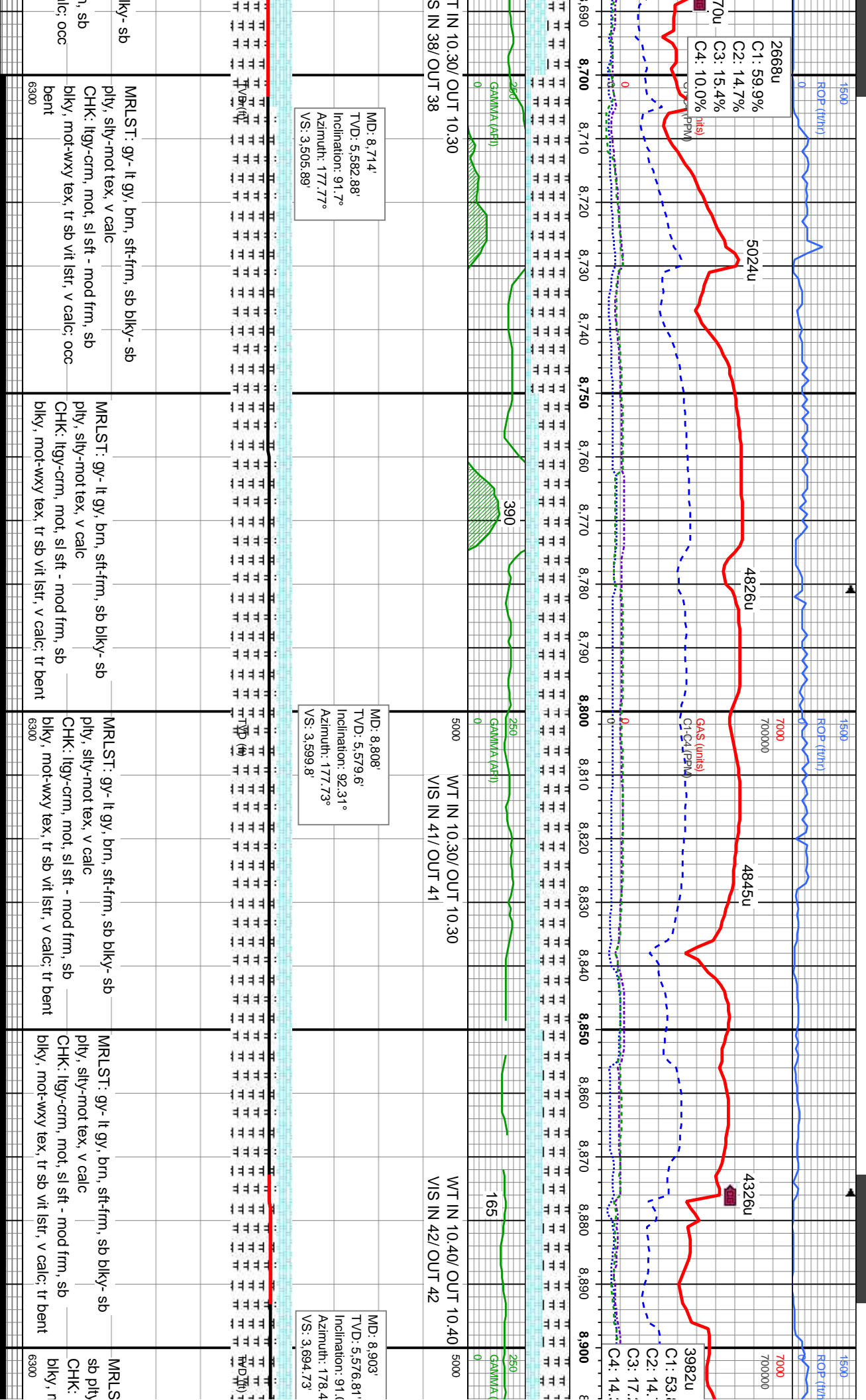
WT IN 10.30+/ OUT 10.30+
VIS IN 40/ OUT 40

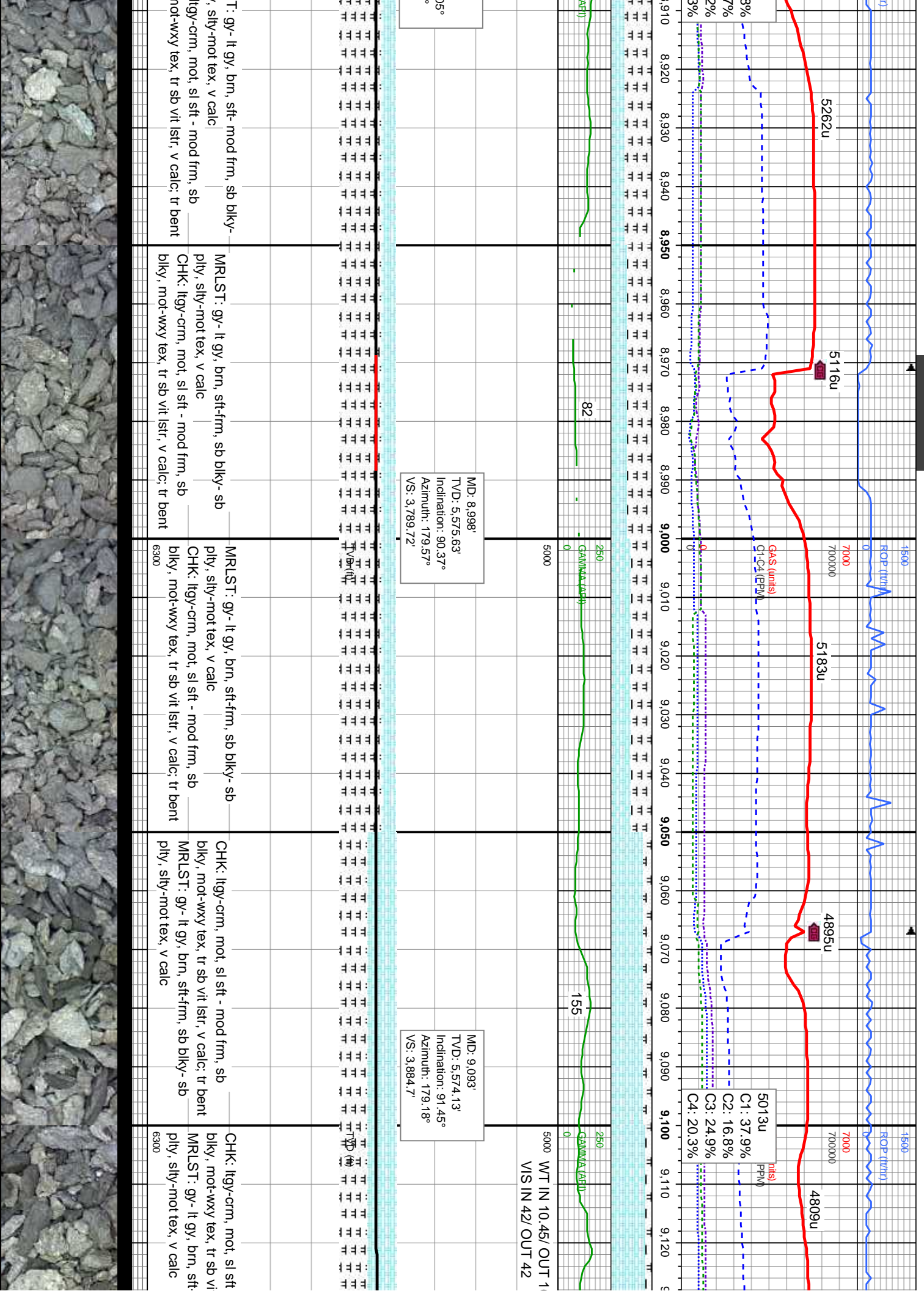
MR LST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft - mod frm, sb
blk, mot-wxy tex, tr sb vit lstr, v calc: v abnt
bent, tr pyr

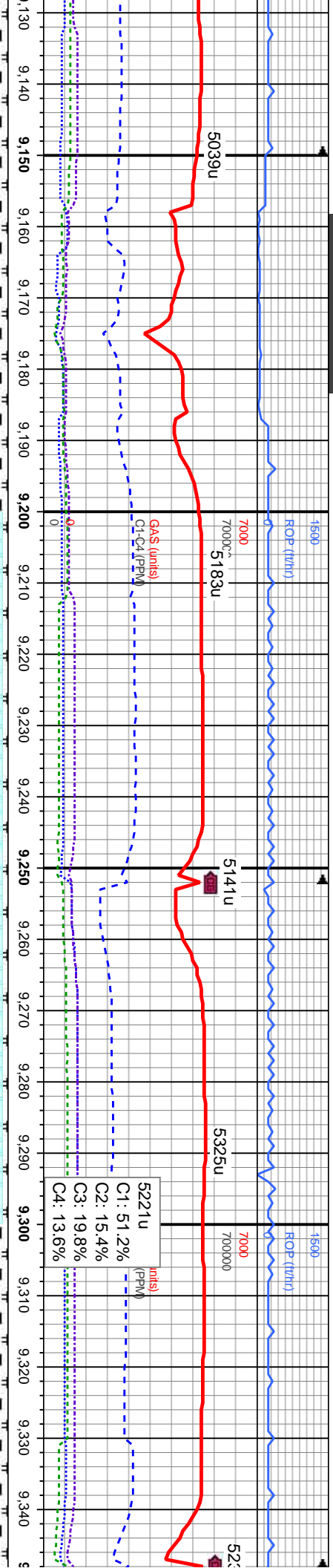
MR LST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft - mod frm, sb
blk, mot-wxy tex, tr sb vit lstr, v calc: abnt
bent

MR LST: gy- lt gy, brn, sft-frm, sb blk- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft - mod frm, sb
blk, mot-wxy tex, tr sb vit lstr, v calc: abnt
bent

MR LST: gy- lt gy, brn, sft-frm, sb b
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft - mod frm
blk, mot-wxy tex, tr sb vit lstr, v ca







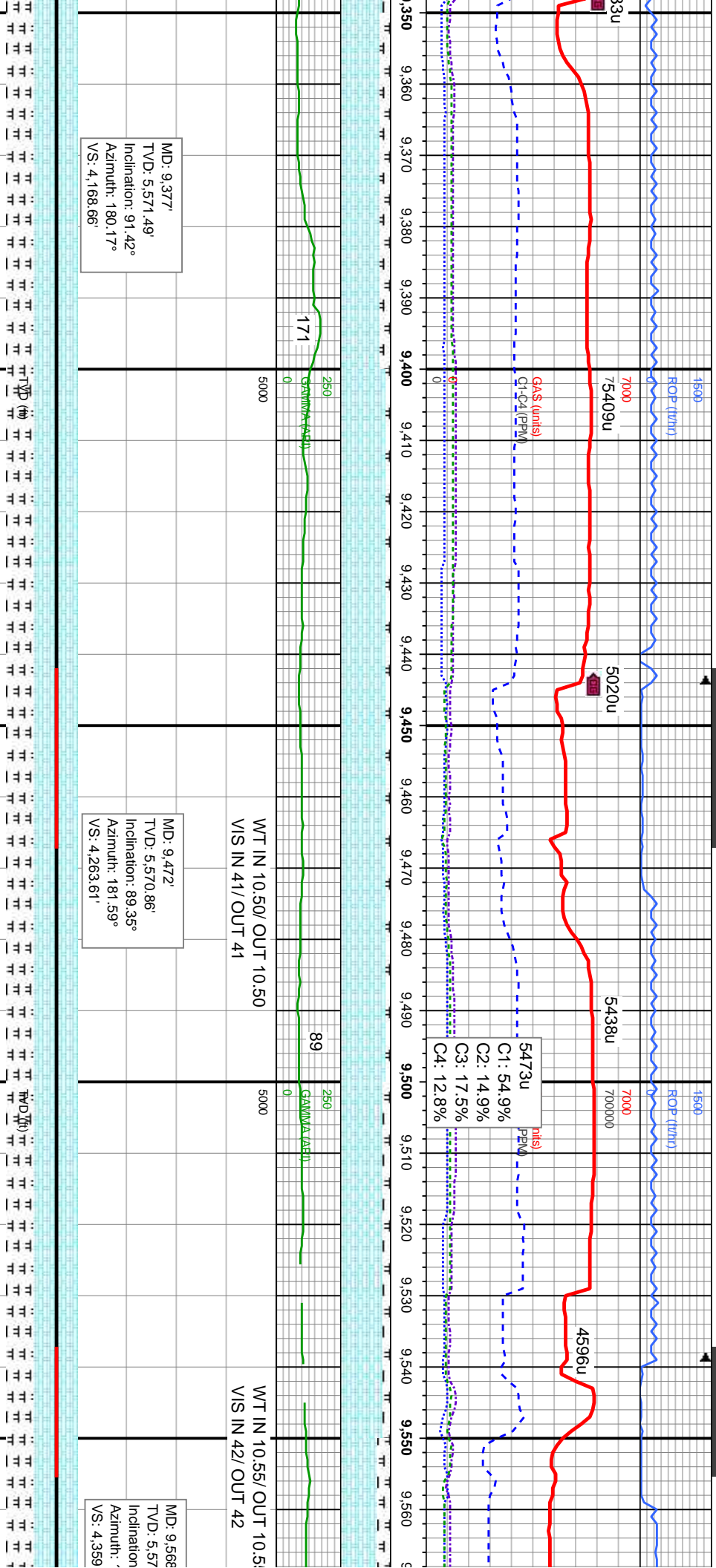
MD: 9,188'
TVD: 5,573.21'
Inclination: 89.66°
Azimuth: 179.73°
VS: 3,979.69'

MD: 9,282'
TVD: 5,573.08'
Inclination: 90.49°
Azimuth: 180.59°
VS: 4,073.68'

WT IN 10.50/ OUT 10.50
VIS IN 41/ OUT 41

mod frm, sb	CHK: lgy-crm, mot, sl sft - mod frm, sb	CHK: lgy-crm, mot, sl sft - mod frm, sb	CHK: lgy-crm, mot, sl sft, sb blkly, mot-wxy
tr sb vit lstr, v calc; tr bent	blkly, mot-wxy tex, tr sb vit lstr, v calc; tr bent	blkly, mot-wxy tex, tr sb vit lstr, v calc; tr bent	tex, tr sb vit lstr, v calc; tr bent
frm, sb blkly- sb	MRLST: gy- lt gy, brn, sft-frm, sb blkly- sb	MRLST: gy- lt gy, brn, sft-frm, sb blkly- sb	MRLST: gy- lt gy, brn, sft-frm, sb blkly- sb
	ply, sily-mot tex, v calc	ply, sily-mot tex, v calc	ply, sily-mot tex, v calc
	6300	6300	6300



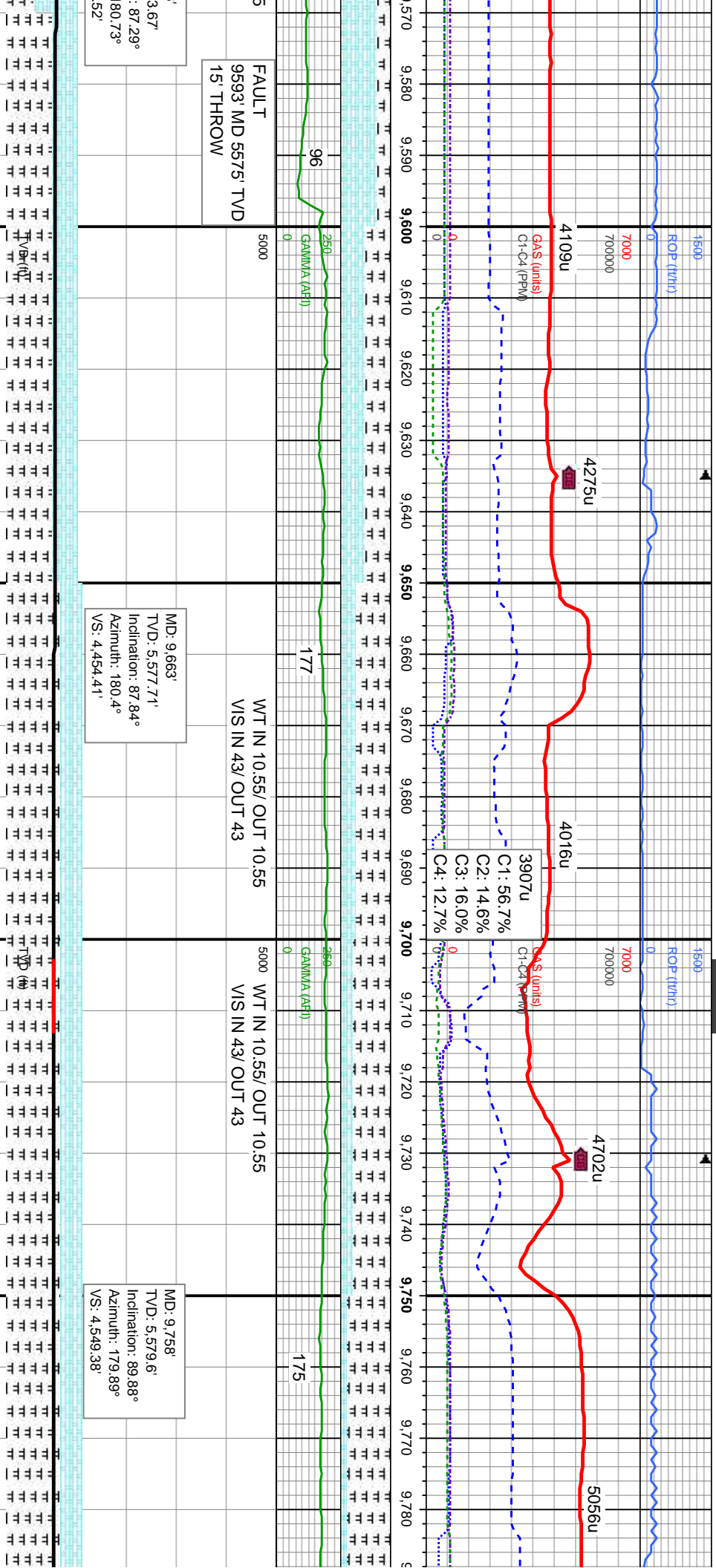


MD: 9.377'
TVD: 5.571.49'
Inclination: 91.42°
Azimuth: 180.17°
VS: 4.168.66'

5473u
C1: 54.9%
C2: 14.9%
C3: 17.5%
C4: 12.8%

CHK: ltgy-crm, mot, sl sft, sb blk, mot-wxy tex, tr sb vit lstr, v calc, tr bent MRLST: gy- lt gy, brn, sft-fm, sb blk- sb ply, sily-mot tex, v calc	CHK: ltgy-crm, mot, sl sft, sb blk, mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-fm, sb blk- sb ply, sily-mot tex, v calc	CHK: ltgy-crm, mot, sl sft, sb blk, mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-fm, sb blk- sb ply, sily-mot tex, v calc	CHK: ltgy-crm, mot, sl sft, sb blk, mot-wxy tex, tr sb vit lstr, v calc MRLST: gy- lt gy, brn, sft-fm, sb blk- sb ply, sily-mot tex, v calc
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3.67'
: 87.29°
80.73°
.52'

FAULT
9593' MD 5575' TVD
15' THROW

MD: 9.663'
TVD: 5.577.71'
Inclination: 87.84°
Azimuth: 180.4°
VS: 4.454.41'

MD: 9.758'
TVD: 5.579.6'
Inclination: 89.88°
Azimuth: 179.89°
VS: 4.549.38'

mot, sl sft, sb blkly,
sb vit lstr, v calc
gy, brn, sft-firm, sb blkly- sb
x, v calc

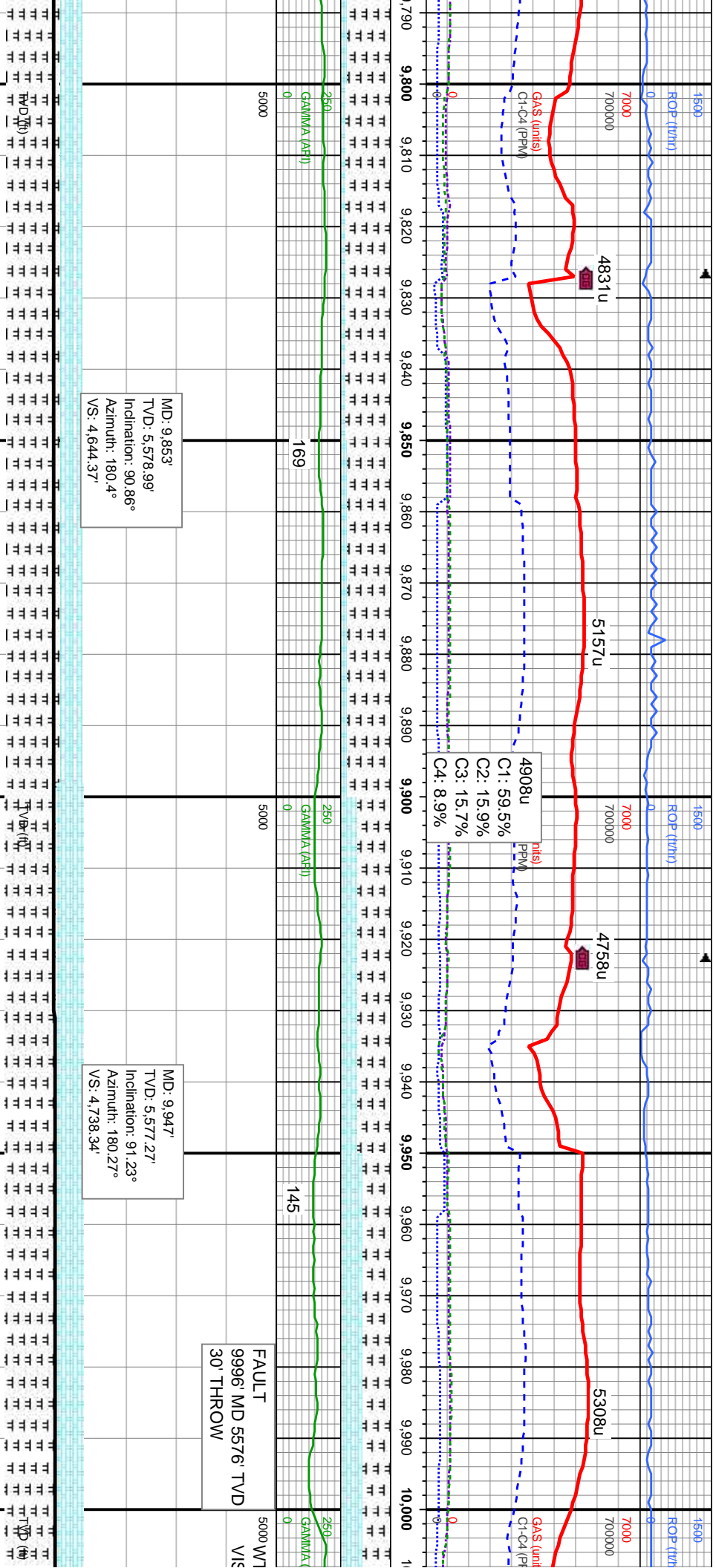
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc, tr bent, rr pyr
MRLST: gy- lt gy, brn, sft-firm, sb blkly- sb
ply, silty-mot tex, v calc

MRLST: gy- lt gy, brn, sft-firm, sb blkly- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc, tr bent, rr pyr

MRLST: gy- lt gy, brn, sft-firm, sb blkly- sb
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft, sb blkly, mot-wxy
tex, tr sb vit lstr, v calc, tr bent

MRLST: gy- lt gy, brn, sft-firm, sb b
ply, silty-mot tex, v calc
CHK: ltgy-crm, mot, sl sft, sb blkly,
tex, tr sb vit lstr, v calc, rr bent





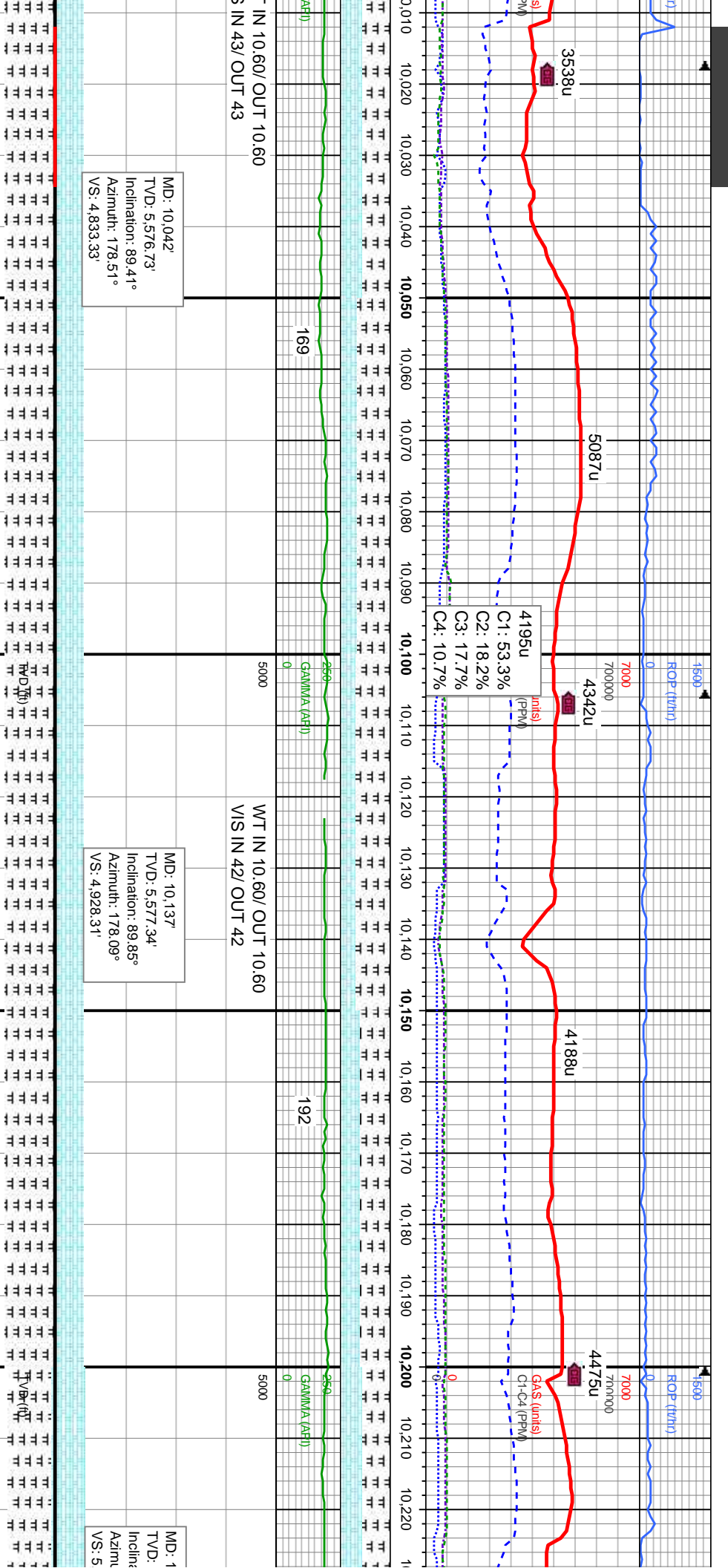
MD: 9,853'
TVD: 5,578.99'
Inclination: 90.86°
Azimuth: 180.4°
VS: 4,644.37'

MD: 9,947'
TVD: 5,577.27'
Inclination: 91.23°
Azimuth: 180.27°
VS: 4,738.34'

FAULT
9996' MD 5576' TVD
30' THROW

ky- sb	MR LST: gy- lt gy, brn, sft-fm, sb blk- sb	MR LST: gy- lt gy, brn, sft-fm, sb blk- sb	MR LST: gy- lt gy, brn, sft-fm, sb blk- sb
mot-wxy	ply, silty-mot tex, v calc	ply, silty-mot tex, v calc	ply, silty-mot tex, v calc
	CHK: ltgy-crm, mot, sl sft, sb blk- sb	CHK: ltgy-crm, mot, sl sft, sb blk- sb	CHK: ltgy-crm, mot, sl sft, sb blk- sb
	tex, tr sb vit lsir, v calc, tr bent	tex, tr sb vit lsir, v calc, tr bent	tex, tr sb vit lsir, v calc, tr bent
	6300	6300	6300



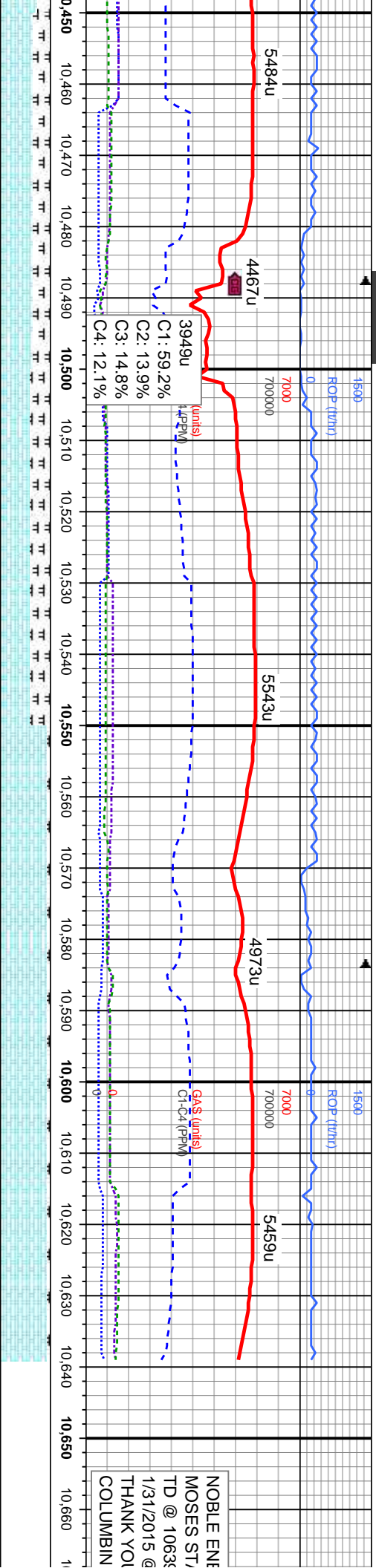


MD: 10.042'
TVD: 5,576.73'
Inclination: 89.41°
Azimuth: 178.51°
VS: 4.833.33'

MD: 10.137'
TVD: 5,577.34'
Inclination: 89.85°
Azimuth: 178.09°
VS: 4.928.31'

MD: 1
TVD:
Inclin:
Azim:
VS: 5

I. gy- lt gy, brn, sft-fm, sb blký- sb gy-mot tex, v calc	MRLST: gy- lt gy, brn, sft-fm, sb blký- sb ply, slty-mot tex, v calc CHK: ltgy-crm, mot, sl sft, sb blký, mot-wxy tex, tr sb vit lstr, v calc, occ bent	6300
I. gy- lt gy, brn, sft-fm, sb blký- sb gy-mot tex, v calc	MRLST: gy- lt gy, brn, sft-fm, sb blký- sb ply, slty-mot tex, v calc CHK: ltgy-crm, mot, sl sft, sb blký, mot-wxy tex, tr sb vit lstr, v calc, occ bent, tr pyr	6300
I. gy- lt gy, brn, sft-fm, sb blký- sb gy-mot tex, v calc	MRLST: gy- lt gy, brn, sft-fm, sb blký- sb ply, slty-mot tex, v calc CHK: ltgy-crm, mot, sl sft, sb blký, mot-wxy tex, tr sb vit lstr, v calc, tr bent	6300
I. gy- lt gy, brn, sft-fm, sb blký- sb gy-mot tex, v calc	MRLST: gy- lt gy, brn, sft-fm, sb blký- sb ply, slty-mot tex, v calc CHK: ltgy-crm, mot, sl sft, sb blký, mot-wxy tex, tr sb vit lstr, v calc, tr	6300



NOBLE ENR
MOSES ST/
TD @ 10633
1/31/2015 @
THANK YOU
COLUMBIN

WT IN 10.60+ OUT 10.60+
VIS IN 49/ OUT 49

MD: 10,516'
TVD: 5,572.02'
Inclination: 90.99°
Azimuth: 178.01°
VS: 5,307.14'

MD: 10,574'
TVD: 5,570.87'
Inclination: 91.3°
Azimuth: 178.09°
VS: 5,365.11'

5000 WT IN 10.60/ OUT 10.60
VIS IN 44/ OUT 44

PROJECTED
MD: 10,639'
TVD: 5,569.4'
Inclination: 91.3°
Azimuth: 178.09°
VS: 5,430.08'

CHK: lly-crm, mot, sl sft, sb blk, mot-wxy
tex, tr sb vit lstr, v calc
MRLST: gy- lt gy, brn, sft-fm, sb blk- sb
ply, silty-mot tex, v calc, occ bent

CHK: lly-crm, mot, sl sft, sb blk, mot-wxy
tex, tr sb vit lstr, v calc
MRLST: gy- lt gy, brn, sft-fm, sb blk- sb
ply, silty-mot tex, v calc

CHK: lly-crm, mot, sl sft, sb blk, mot-wxy
tex, tr sb vit lstr, v calc
MRLST: gy- lt gy, brn, sft-fm, sb blk- sb
ply, silty-mot tex, v calc, occ bent

CHK: lly-crm, mot, sl sft, sb blk, mot-wxy
tex, tr sb vit lstr, v calc
MRLST: gy- lt gy, brn, sft-fm, sb blk- sb
ply, silty-mot tex, v calc, occ bent



