

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	32.65		GR-M&W (105)	3.00	3.50	50.00
CNLSC	29.55		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	28.80					
			MWLith-STEP LITHO Short (703-03)	8.40	5.00	250.00
LCAL	20.63		DIL-M&W (506)	18.25	3.50	220.00
LLW8N	20.63					
LLW7N	20.63					
LLW6N	20.63					
LLW5N	20.63					
LLW4N	20.63					
LLW3N	20.63					
LLW2N	20.63					
LLW1N	20.63					
LSLOCK	20.38					
LLLOCK	20.38					
PELTMPR	20.38					
LSHVNG	20.38					
LLHVNG	20.38					
LSW8N	20.13					
LSW7N	20.13					
LSW6N	20.13					
LSW5N	20.13					
LSW4N	20.13					
LSW3N	20.13					
LSW2N	20.13					
LSW1N	20.13					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					
		Dataset: murfin_weis a 1-14.db: field/well/stack/pass3.1 Total length: 34.65 ft Total weight: 620.00 lb O.D.: 5.00 in				

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_weis a 1-14.db

Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	118	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		0	-12	150	90		4193

Variable Description

A : Cement Factor (a)

BOREID : Borehole I.D.

BOTTEMP : Bottom Hole Temperature

CASEOD : Casing O.D.

CASETHCK : Casing Thickness

FLUIDDEN : Fluid Density

M : Cement Exp (m)

MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select

PERFS : Perforation Flag

SNDERR : Deep Sonde Error Correction

SNDERRM : Medium Sonde Error Correction

SPSHIFT : S.P. Baseline Offset

SRFTEMP : Surface Temperature

SZCOR : CN Size Cor. ?

TDEPTH : Total Depth

MIDWEST WIRELINE

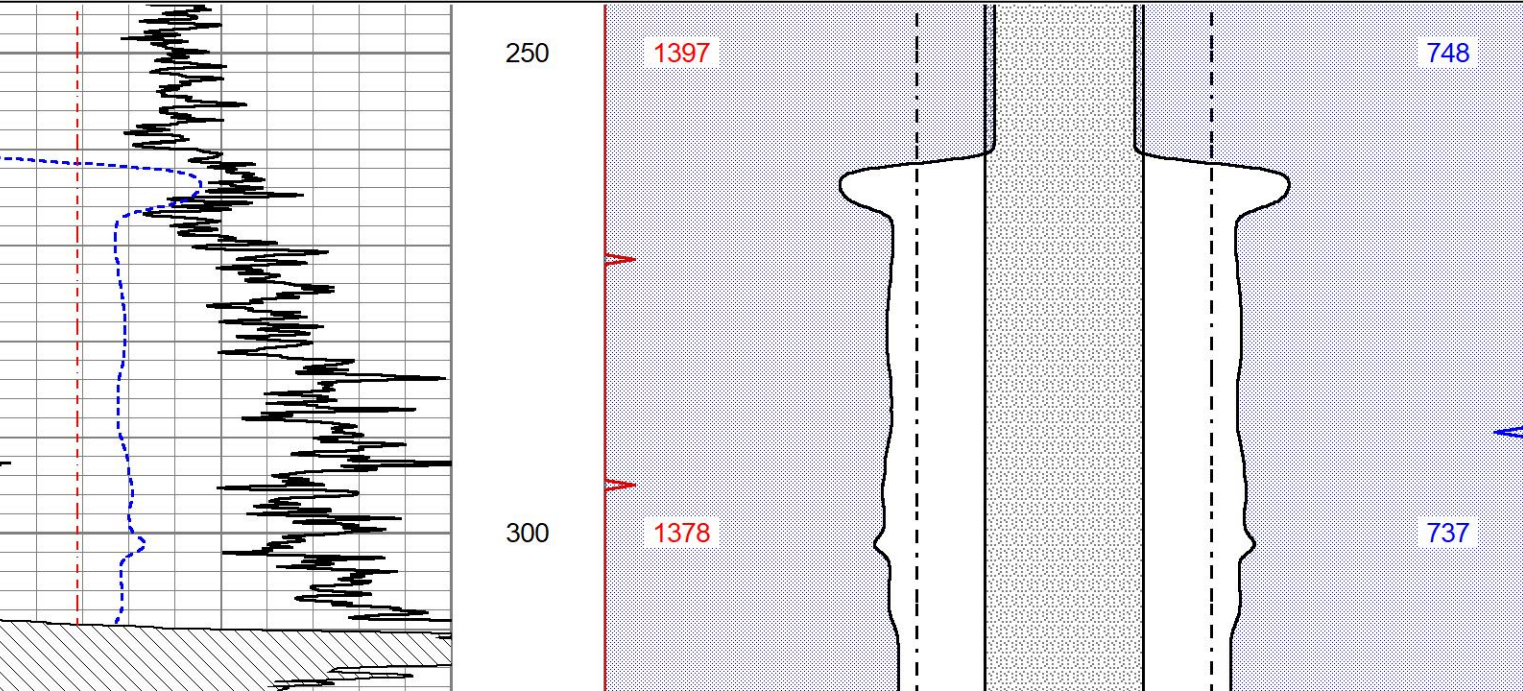
DETAIL SECTION

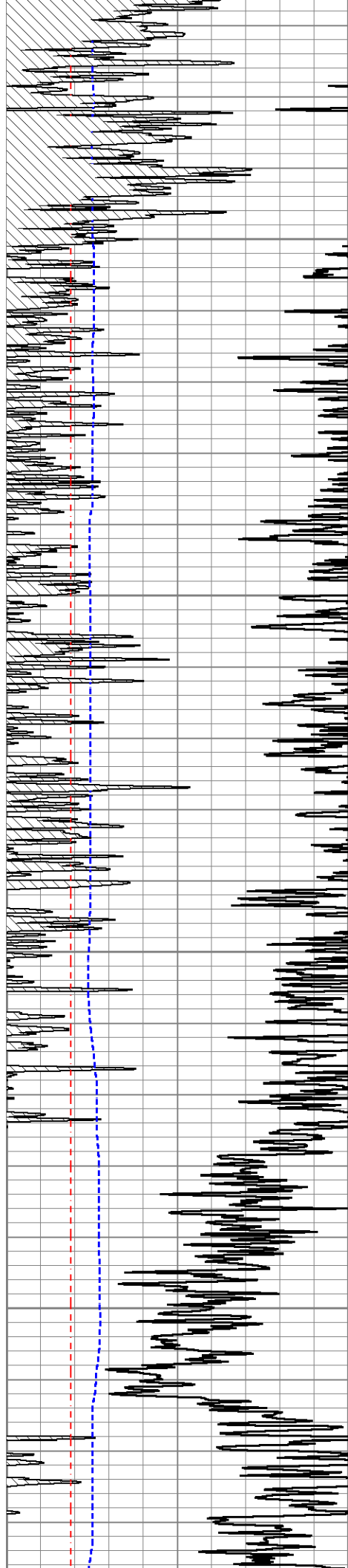
MAIN PASS

Database File murfin_weis a 1-14.db
Dataset Pathname stack/pass3.1
Presentation Format BHV5HA~1
Dataset Creation Fri Aug 02 01:13:18 2024
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
150	GR (GAPI)	300
6	LCAL (in)	16
6	BOREID (in)	16

LCAL	LCAL
BOREID	BOREID
-----	-----
Borehole Volume (ft3)	Annular Volume (ft3)





350

1358

725

400

1338

714

450

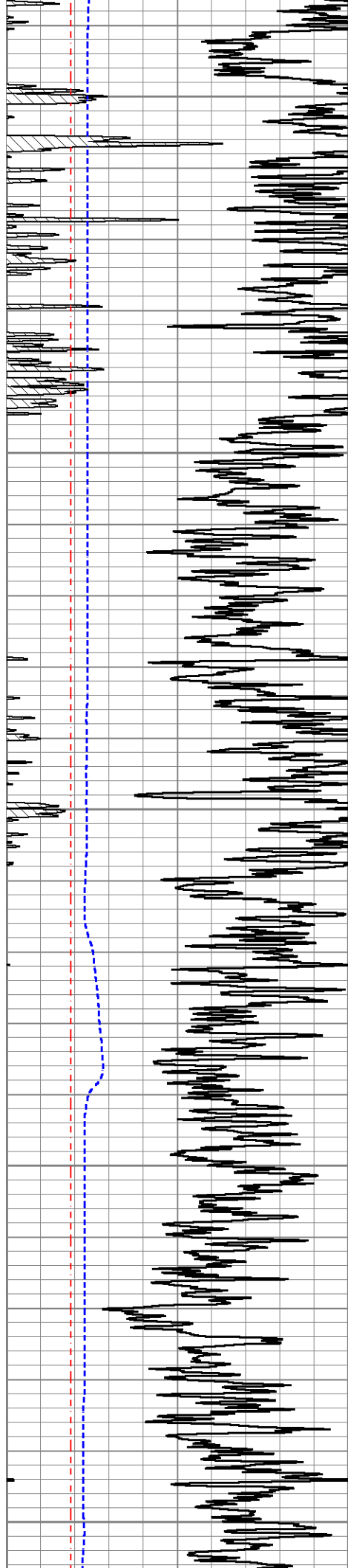
1318

703

500

1298

691



550

1278

679

600

1259

668

650

1240

657

700

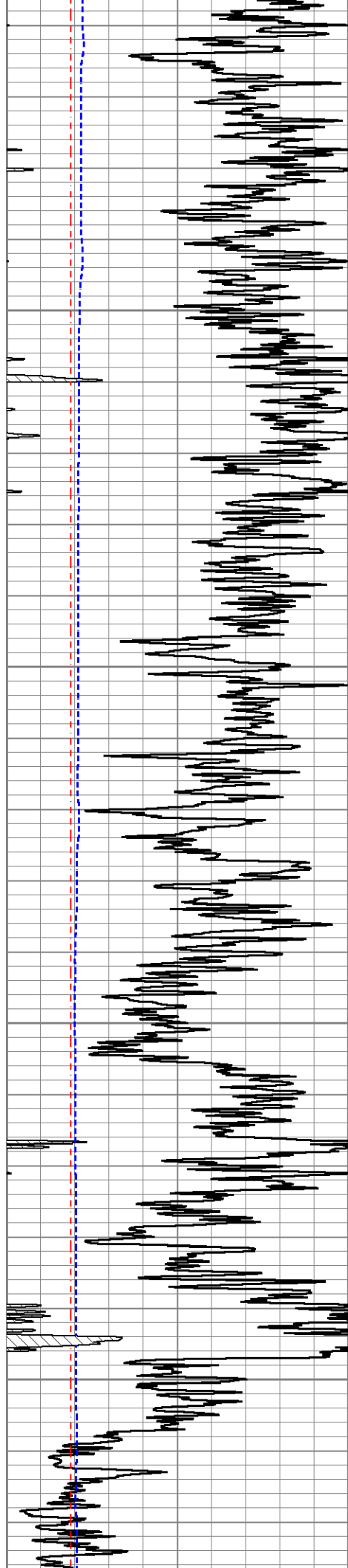
1221

646

750

1202

636



800

1184

850

1166

900

1148

950

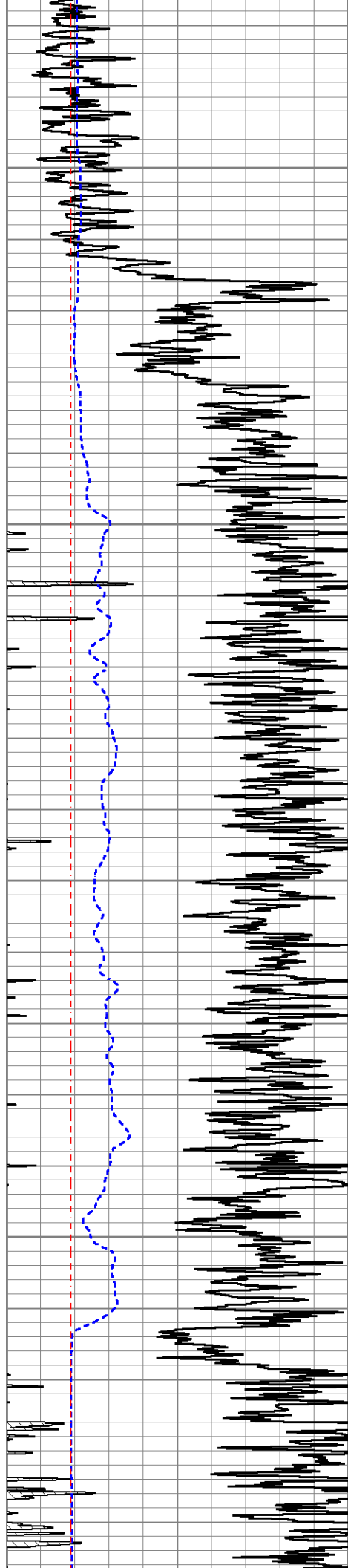
1130

626

616

606

597



1000

1113

1050

1094

1100

1073

1150

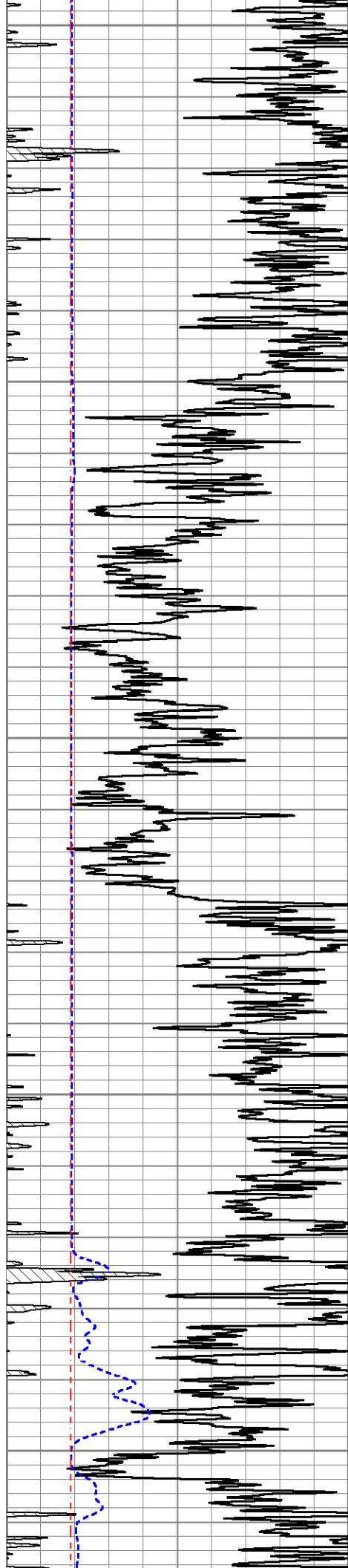
1051

588

578

564

551



1200

1033

1250

1016

1300

999

1350

982

1400

963

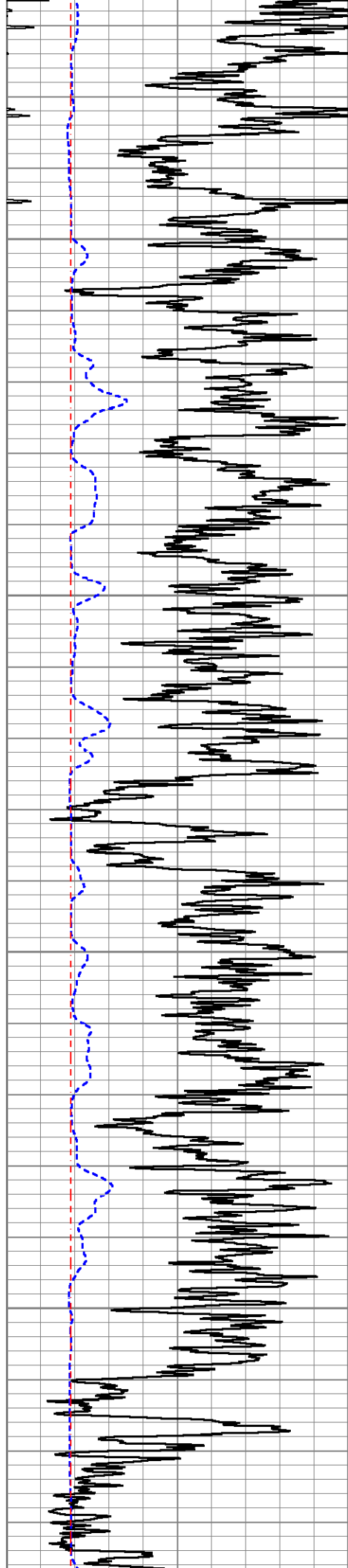
541

532

523

515

504



1450

945

1500

927

1550

909

1600

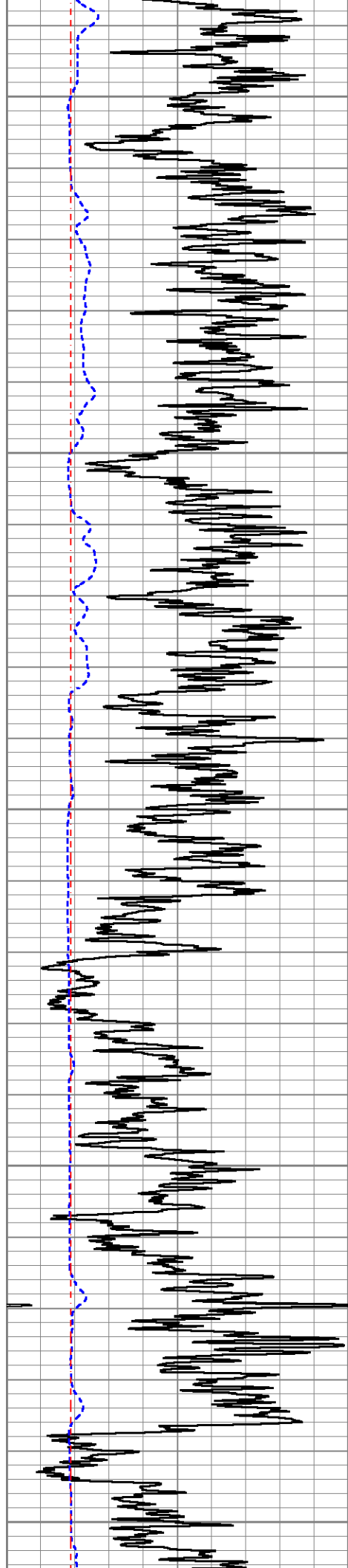
890

494

484

474

464



1650

873

455

1700

855

445

1750

837

436

1800

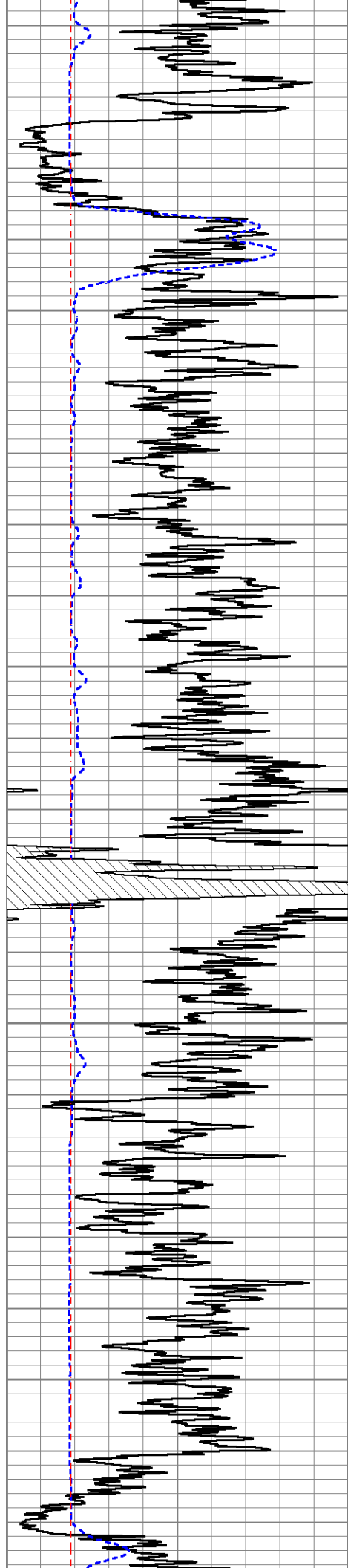
820

427

1850

803

418



1900

781

1950

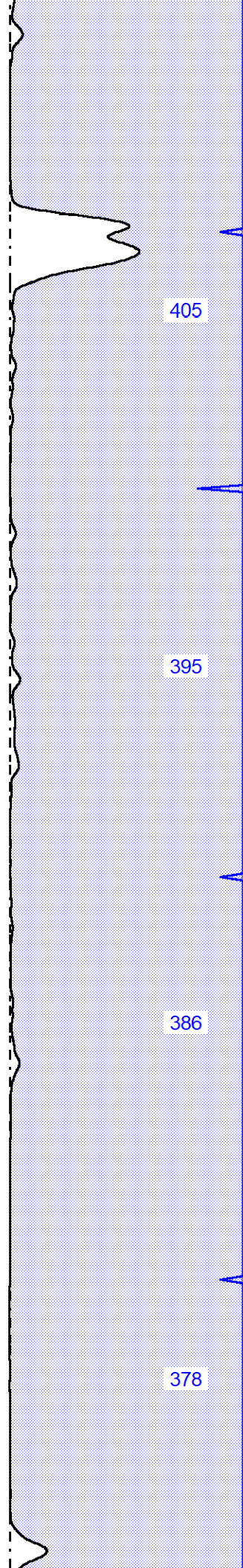
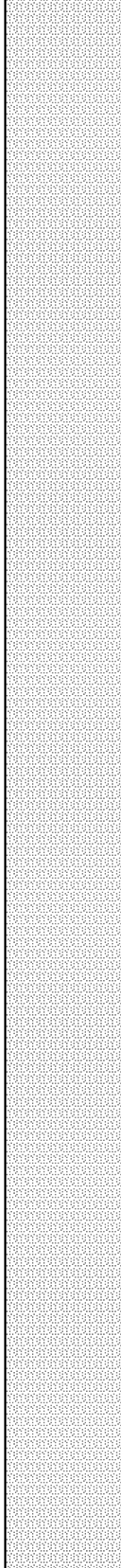
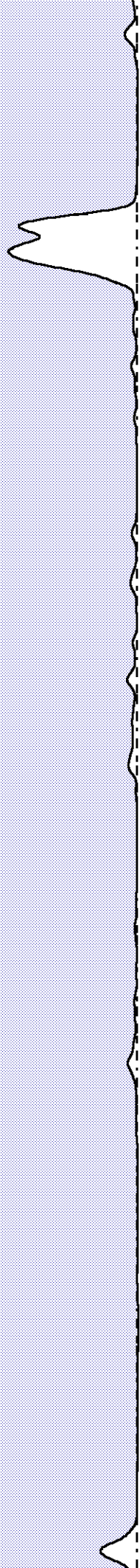
764

2000

746

2050

729

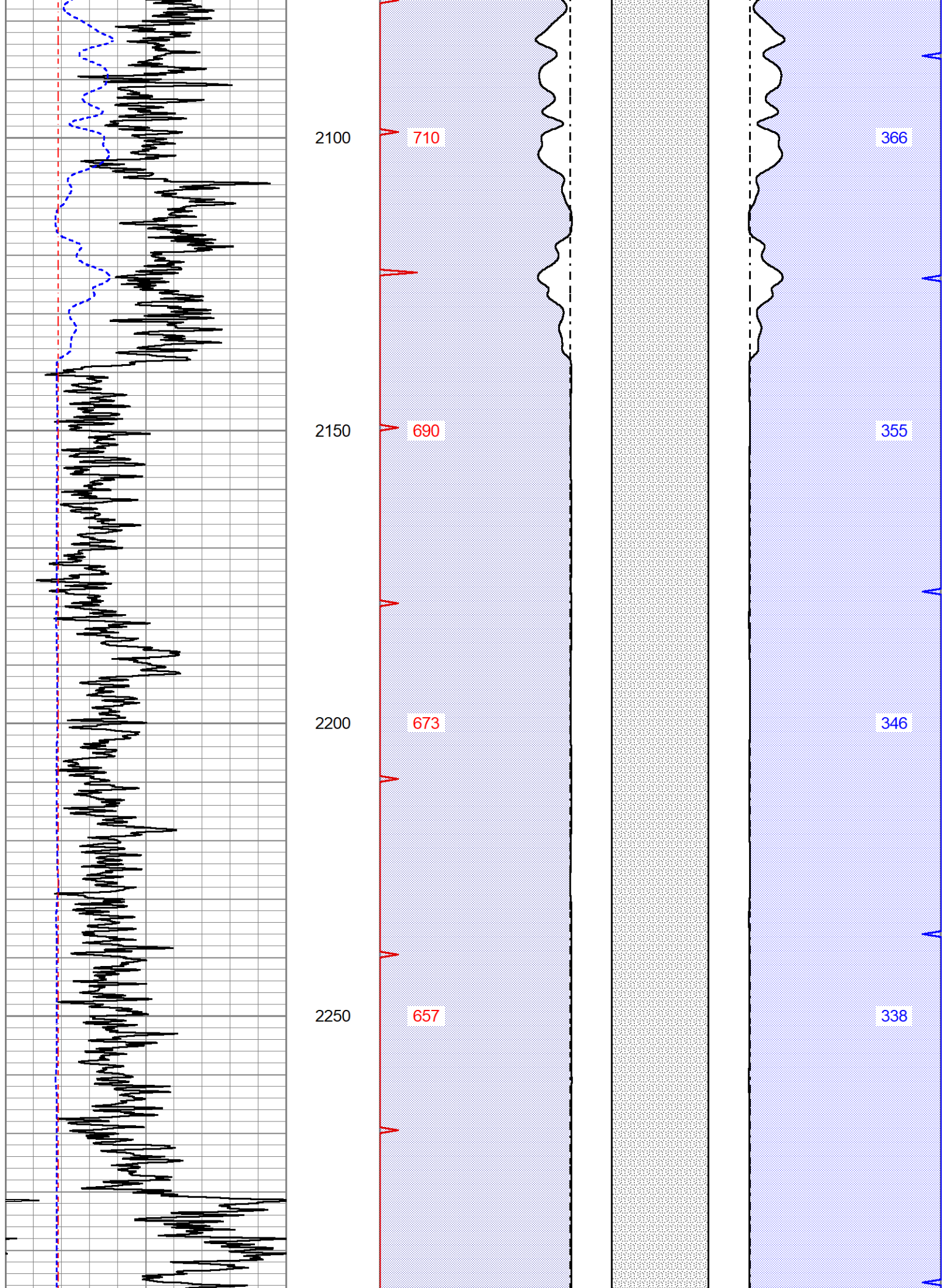


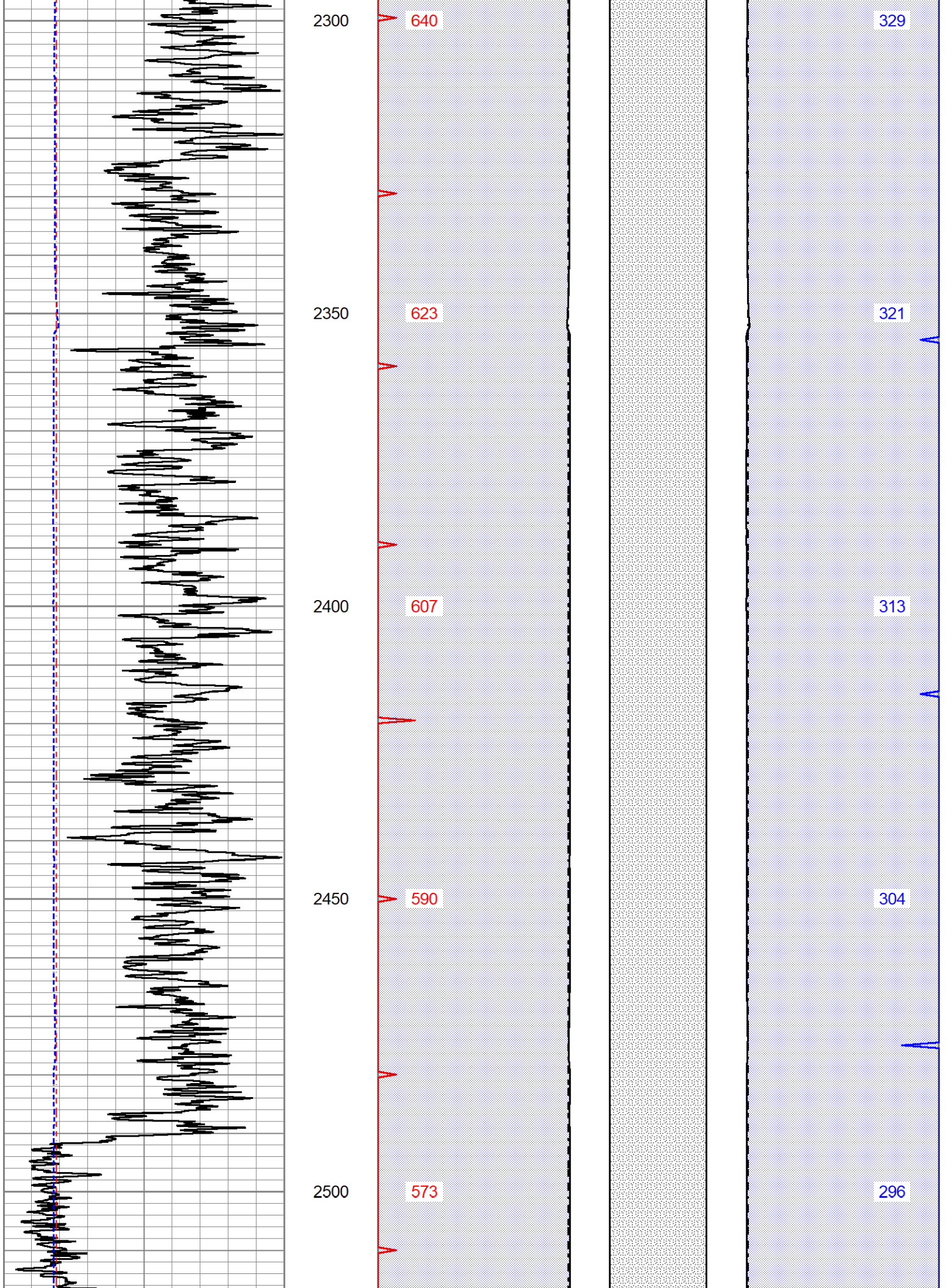
405

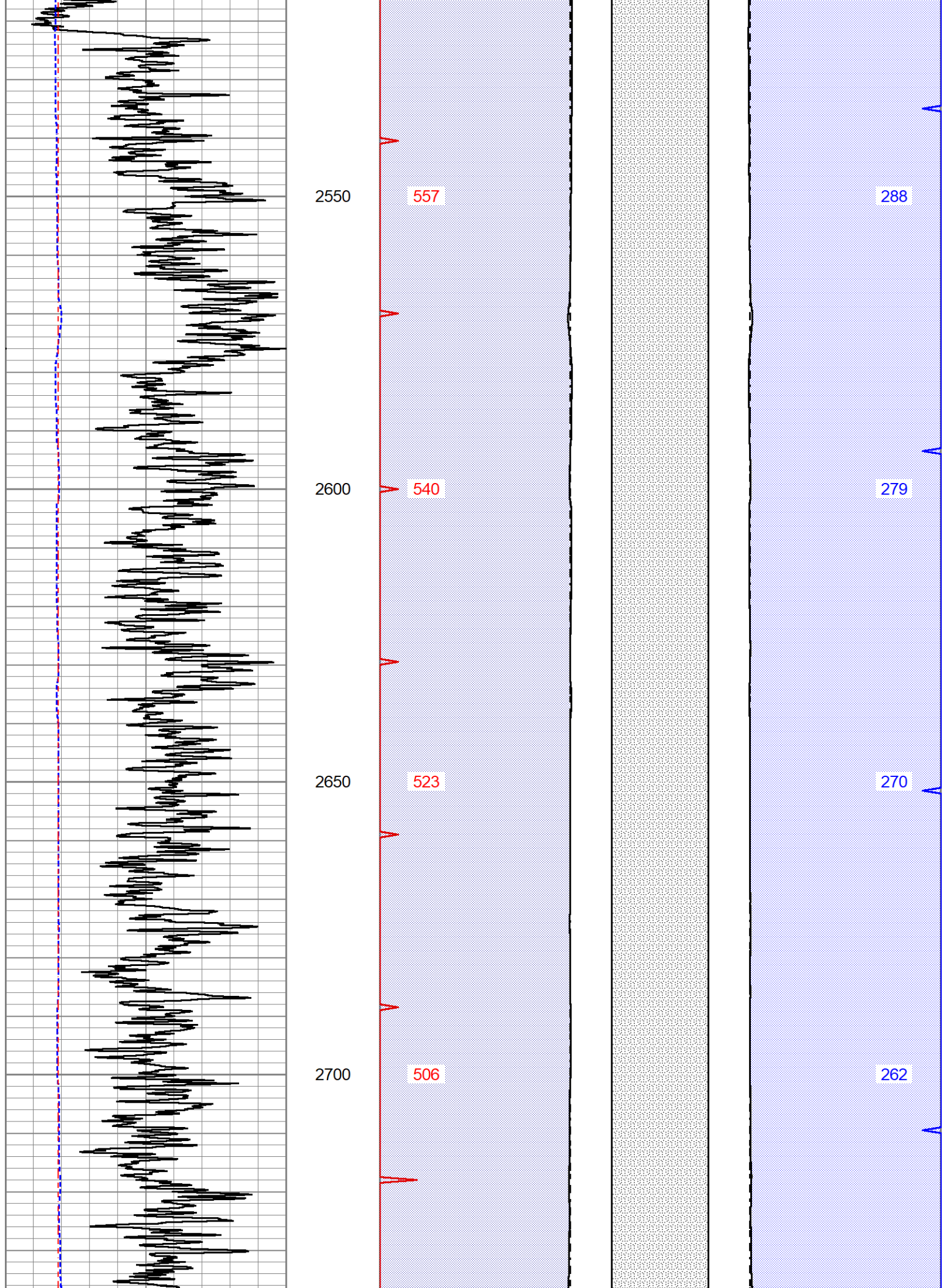
395

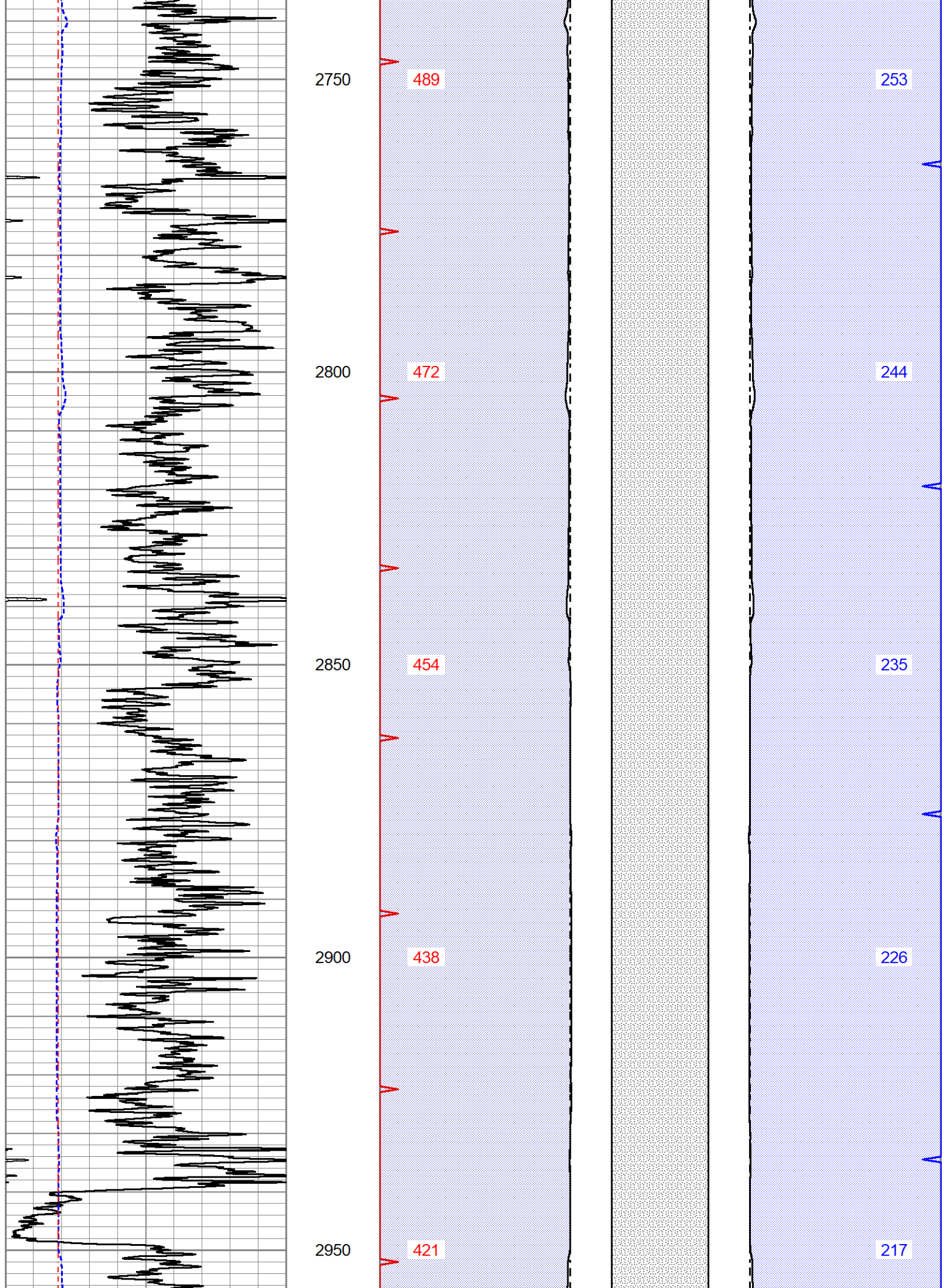
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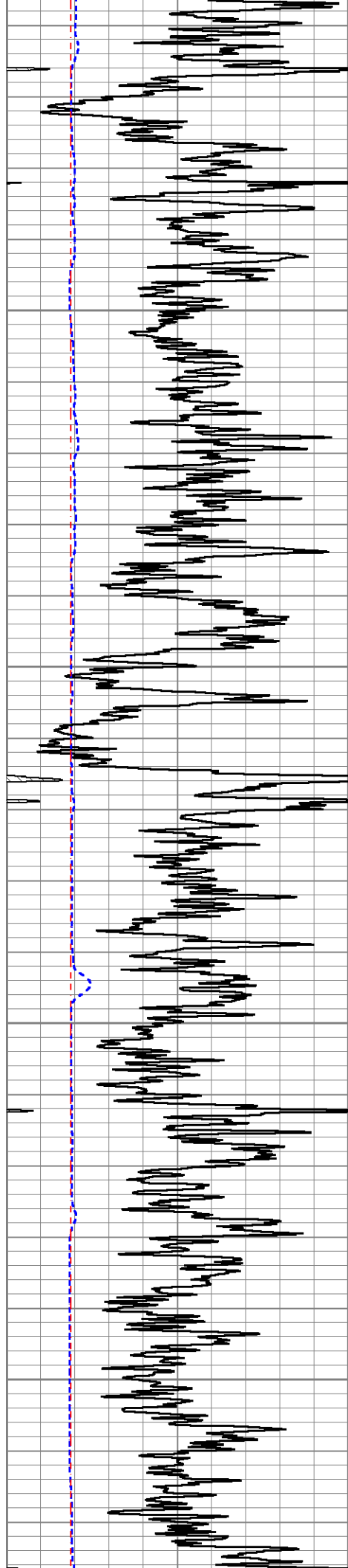
378











3000

403

3050

386

3100

369

3150

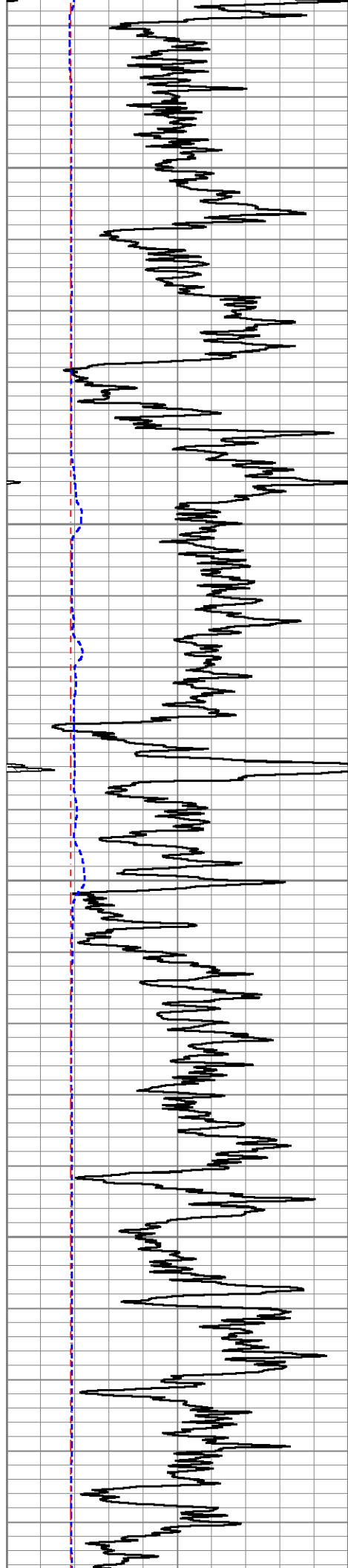
352

208

199

190

182



3200

335

173

3250

318

164

3300

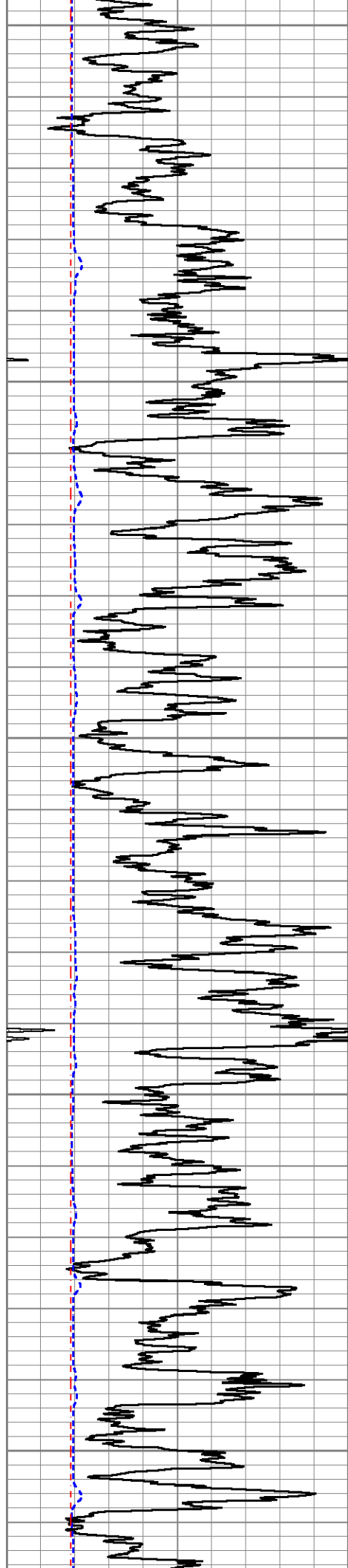
300

155

3350

283

146



3400

266

137

3450

249

128

3500

232

119

3550

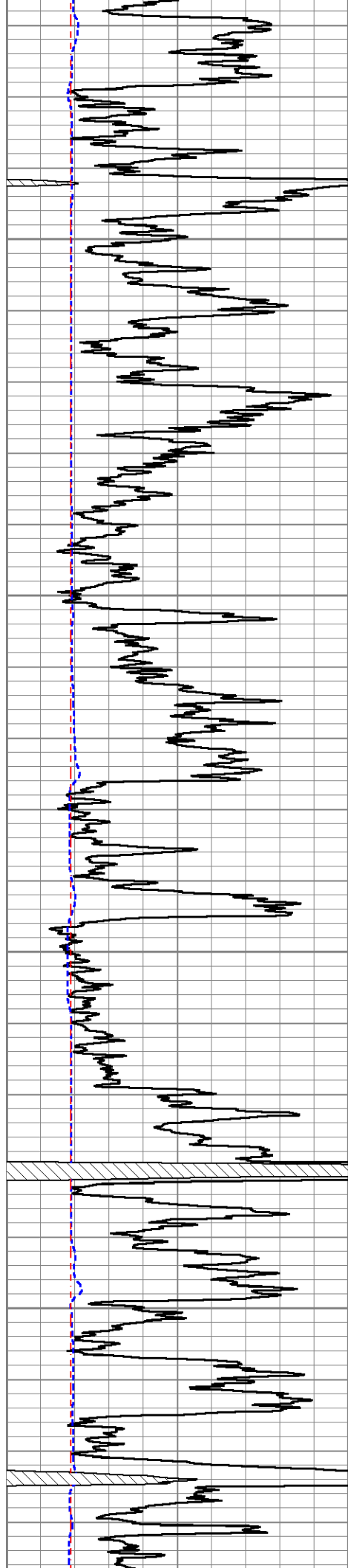
214

110

3600

197

101



3650

180

92

3700

163

83

3750

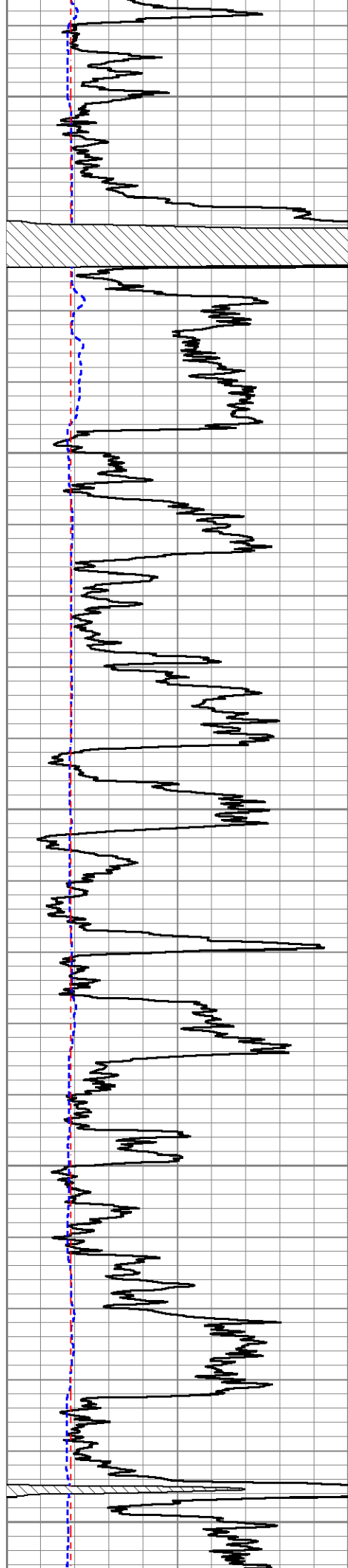
146

74

3800

129

66



3850

112

57

3900

94

48

3950

77

39

4000

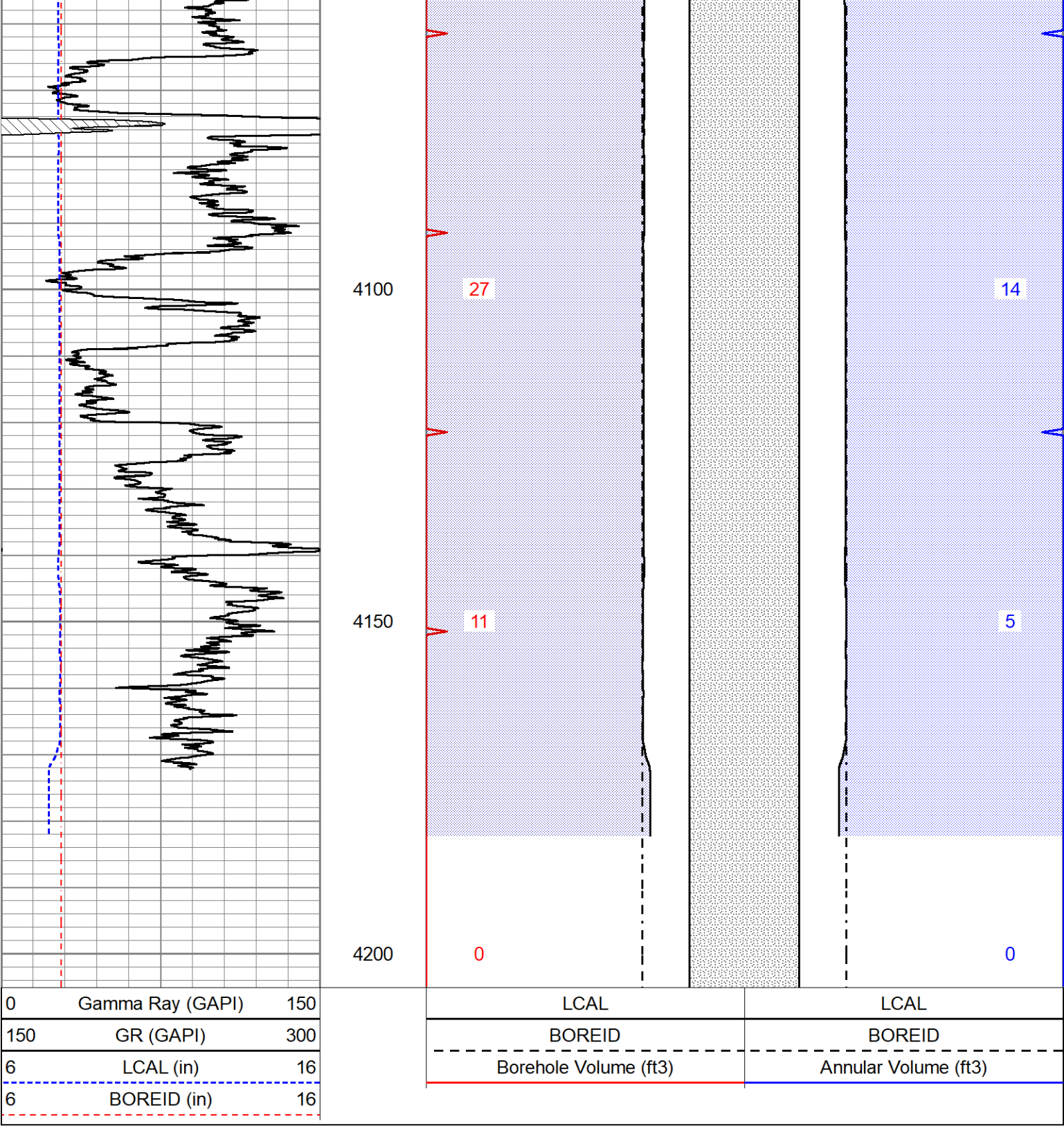
61

30

4050

44

22



Calibration Report					
Database File		murfin_weis a 1-14.db			
Dataset Pathname		stack/pass3.1			
Dataset Creation		Fri Aug 02 01:13:18 2024			
Dual Induction Calibration Report					
Serial-Model:		506-M&W			
Surface Cal Performed:		Sun Jun 30 20:32:27 2024			
Readings		References		Results	
Loop:	Air	Loop	Air	Loop	m

Loop:	All	Loop	All	Loop		m	D
Deep	84.211	428.152	0.000	255.800	mmho/m	0.465	-32.000
Medium	141.000	670.654	0.000	255.800	mmho/m	0.390	-10.000

LITHODENSITY Calibration Report

Serial Number:	703-03								
Tool Model:	STEP LITHO Short								
Performed:	Fri May 31 13:59:15 2024								
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	56	59	223	276	25	75	46	1	cps
LS:	83	90	344	441	51	132	90	3	cps
Aluminum:									
SS:	1063	1260	2893	2631	48	80	48	3	cps
LS:	1179	2084	3854	1823	62	133	86	5	cps
Magnesium:									
SS:	1756	2035	4740	3894	55	79	49	4	cps
LS:	4981	8390	15059	6054	115	127	85	14	cps
Aluminum+Iron:									
SS:	676	887	2426	2310	45	79	52	2	cps
LS:	700	1495	3280	1630	60	131	90	5	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									
SS:							0.236		
LS:							0.189		
Aluminum:									
SS:		2.6000	2.6000	g/cc			0.249		
LS:		2.6000	2.6000	g/cc			0.216		
Magnesium:									
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232		
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198		
Aluminum+Iron:									
SS:						6.1800	0.208		
LS:						6.1800	0.188		

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	1.0
Large Ring:	14.0 in	1.0
Gain:	12.765	
Offset:	2.170	

Compensated Neutron Calibration Report

Serial Number:	210
Tool Model:	M&W

CALIBRATION			
Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number:	105
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Tool Model: M&W
Performed: Sat Oct 21 23:48:19 2023

Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps



Company	Murfin Drilling Company, Inc.
Well	Weis A #1-14
Field	
County	Sheridan
State	Kansas