



LITHO DENSITY NEUTRON LOG

Company Taos Resources Operating Company LLC

Well LFJ #5

Field Maddix North

County Cowley

State Kansas

Location:

API #: 15 035 24671

SEC 34 TWP 32S RGE 5E

Permanent Datum

Log Measured From

Drilling Measured From

Ground Level

Elevation

1269'

Elevation

K.B. 1280'

D.F. 1279'

G.L. 1269'

Other Services

DIL

BHC

ML

Comments

East of Winfield to 151st rd., 2 south, 1/2 east, north into

Thank you for using Gemini Wireline
785-625-1182

Date	6-10-17		
Run Number	One		
Depth Driller	3577'		
Depth Logger	3576'		
Bottom Logged Interval	3554'		
Top Log Interval	350'		
Casing Driller	8 5/8" @ 233'		
Casing Logger	233'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.5/4.4		
pH / Fluid Loss	9/9.2		
Source of Sample	Pit		
Rm @ Meas. Temp	1.5@90degf		
Rmf @ Meas. Temp	1.2@90degf		
Rmc @ Meas. Temp	1.92@90degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.22@111degf		
Time Circulation Stopped	12:30 p.m.		
Time Logger on Bottom	2:45 p.m.		
Maximum Recorded Temperature	111degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Mike Pressnall	Mr. Ray Dorthy	

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

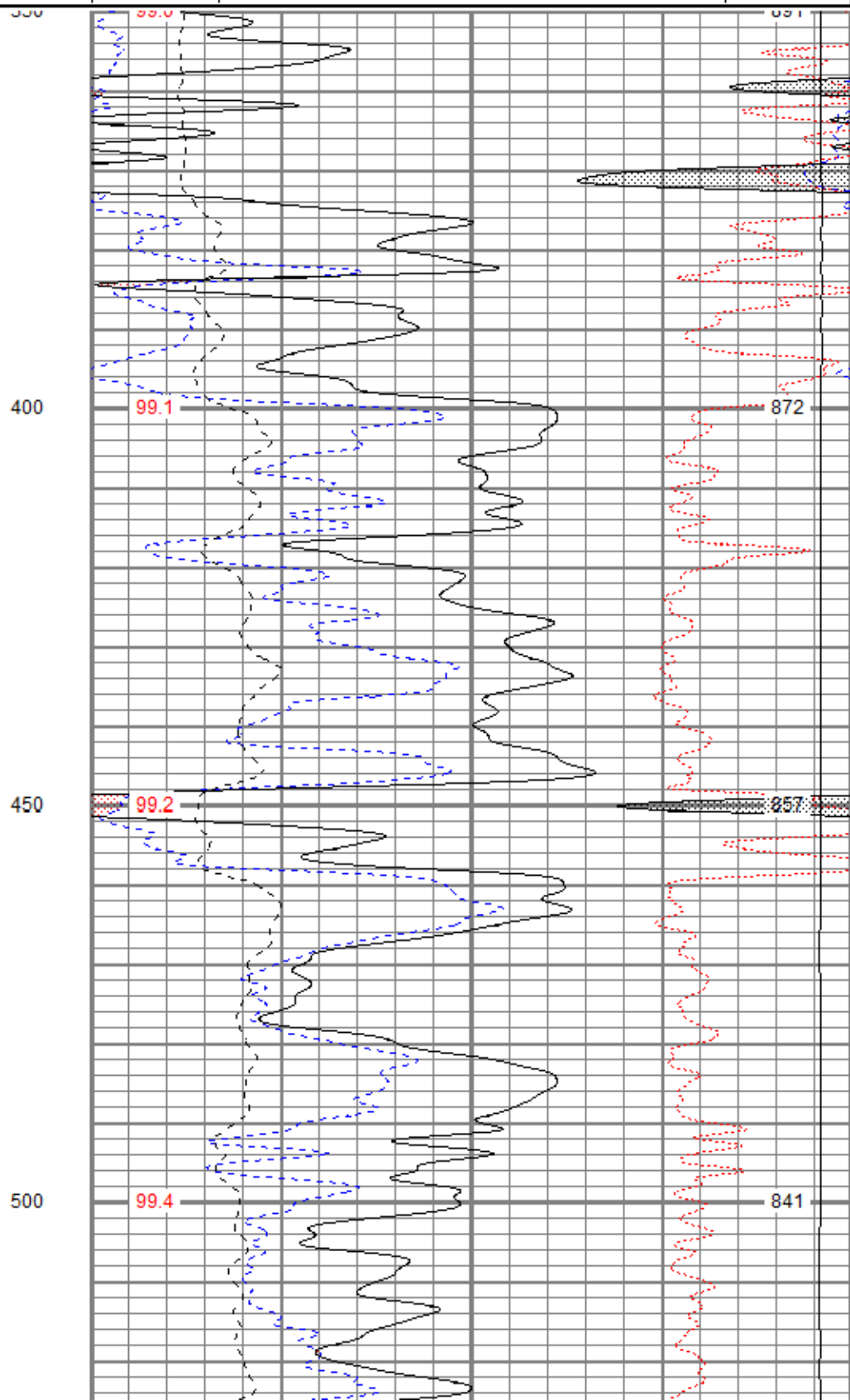
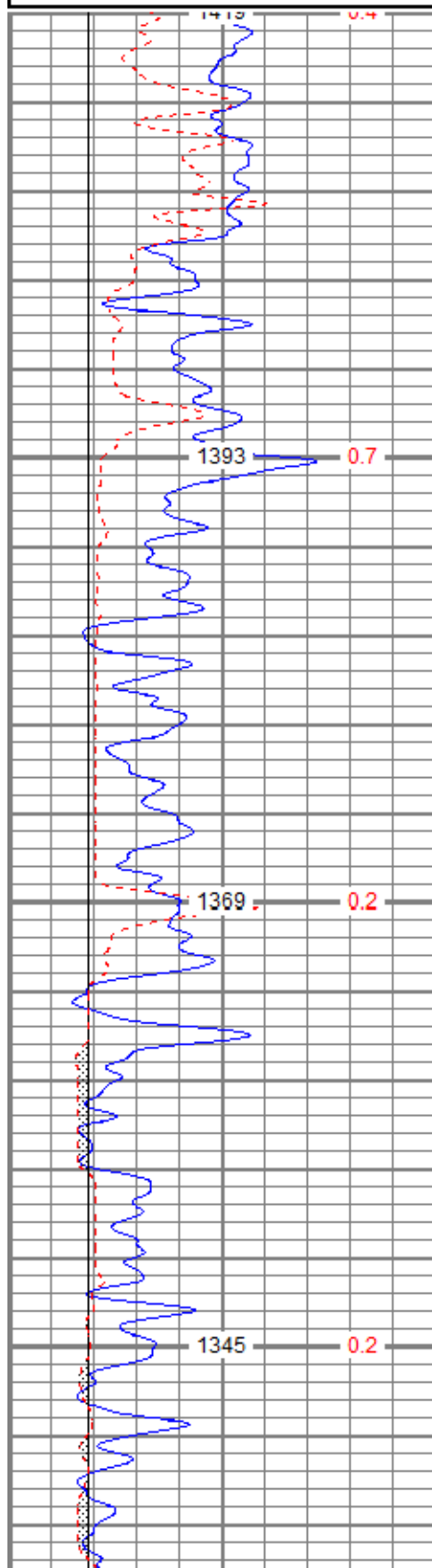


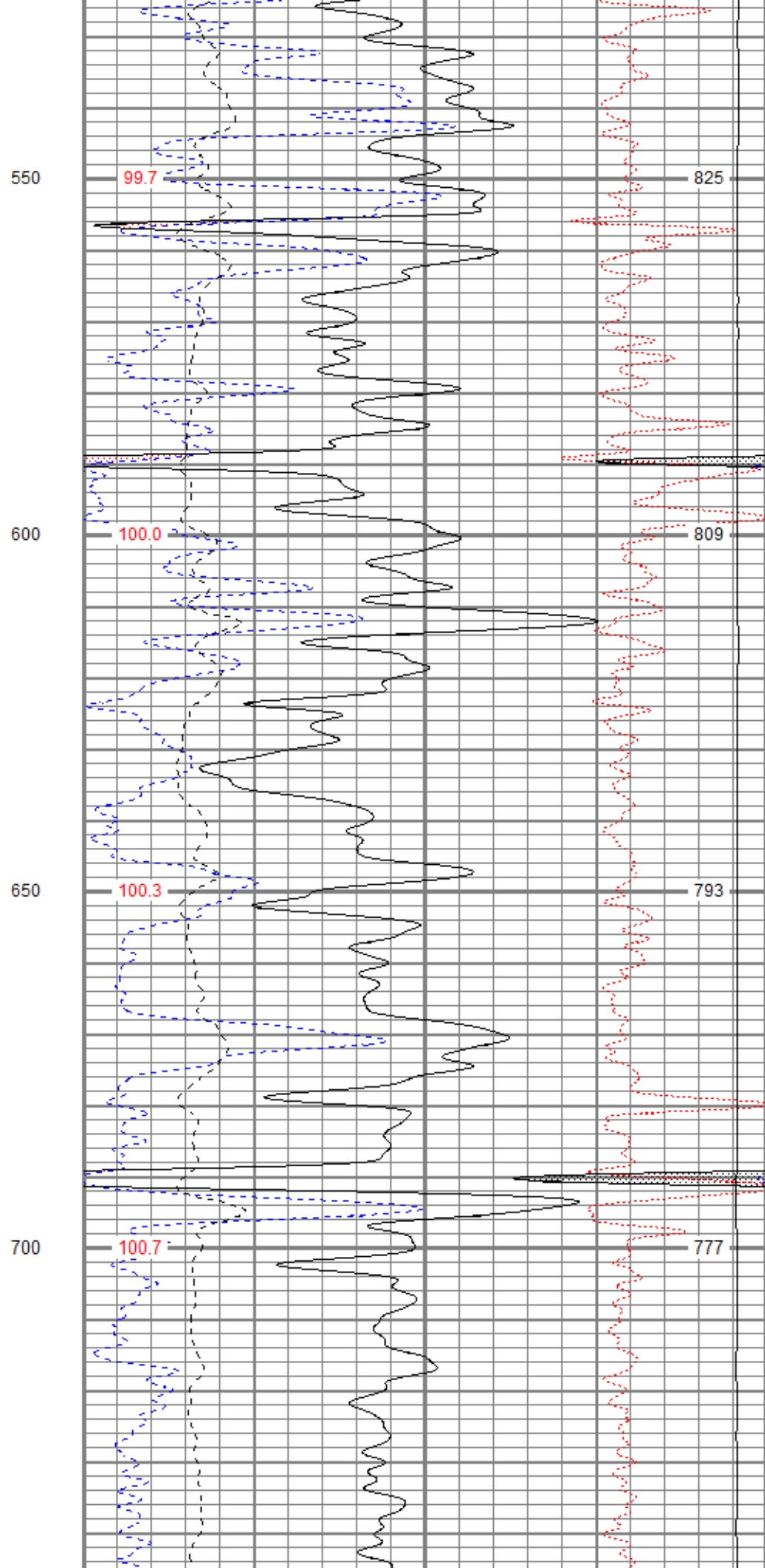
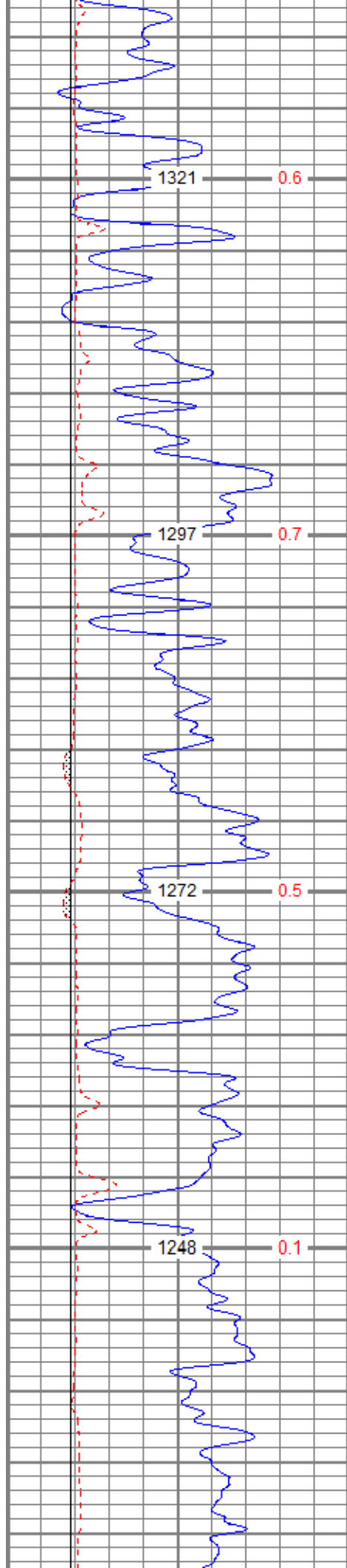
MAIN PASS

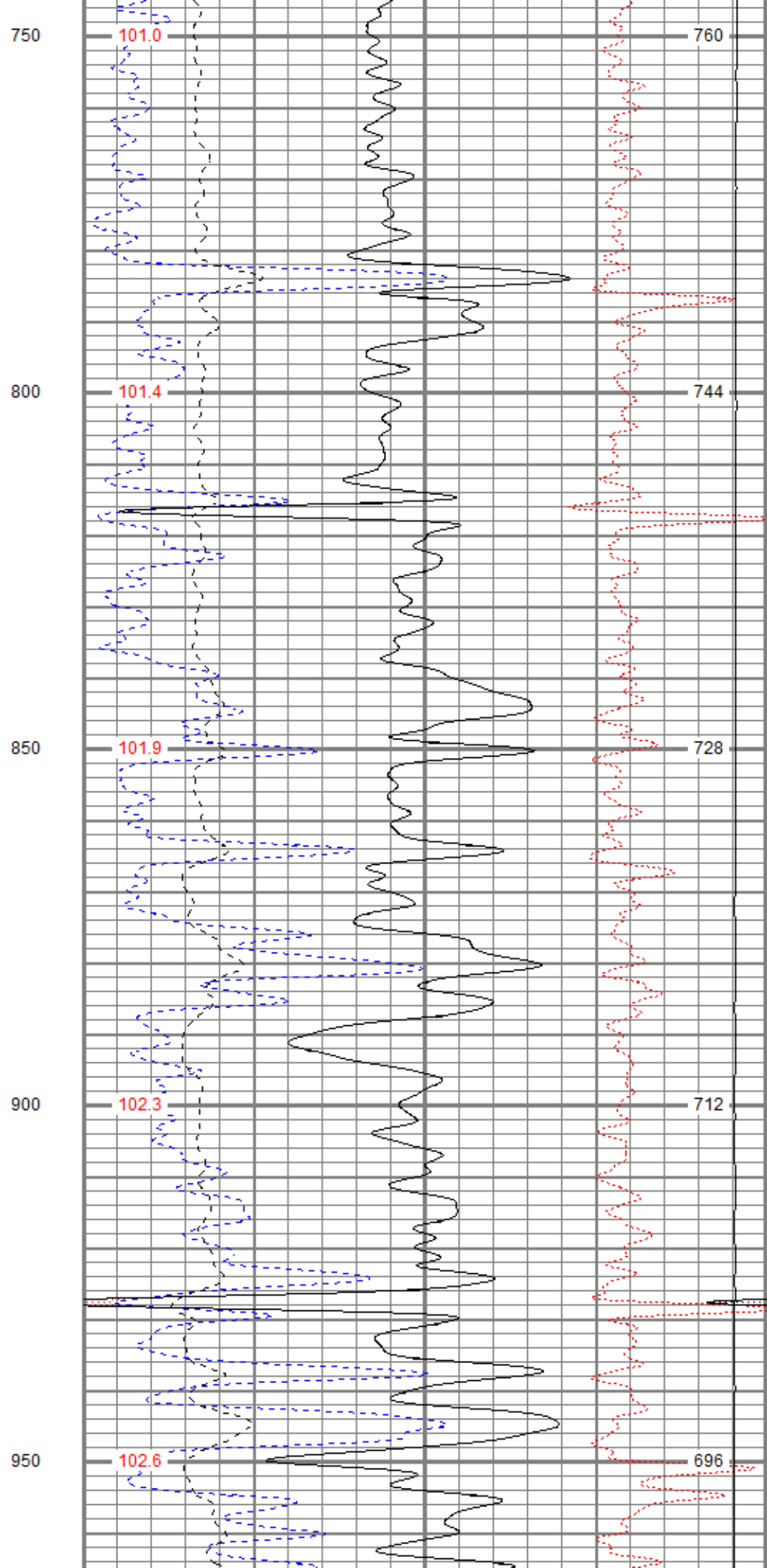
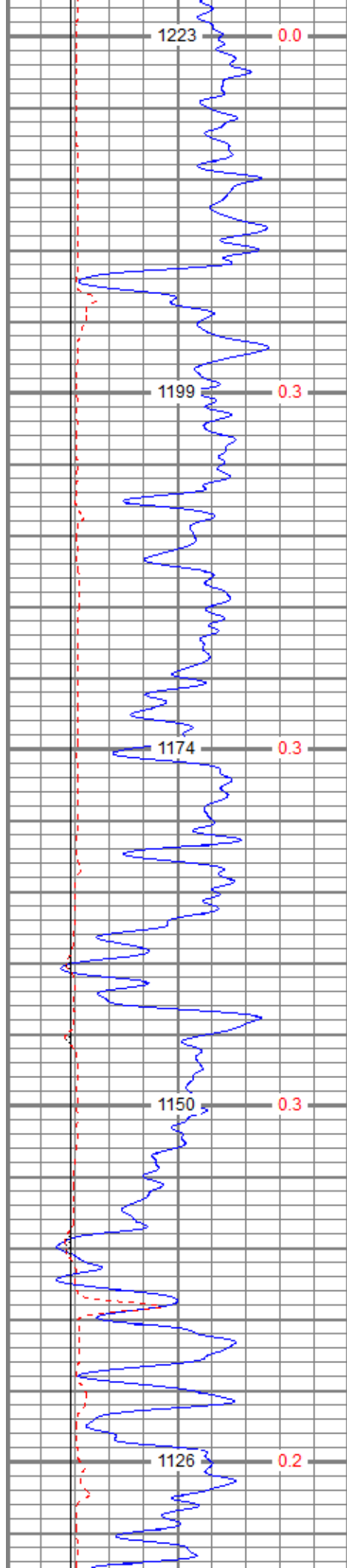
Database File taoslfj#50n.db
 Dataset Pathname pass2.1
 Presentation Format digital_kcdnl
 Dataset Creation Sat Jun 10 16:27:21 2017
 Charted by Depth in Feet scaled 1:240

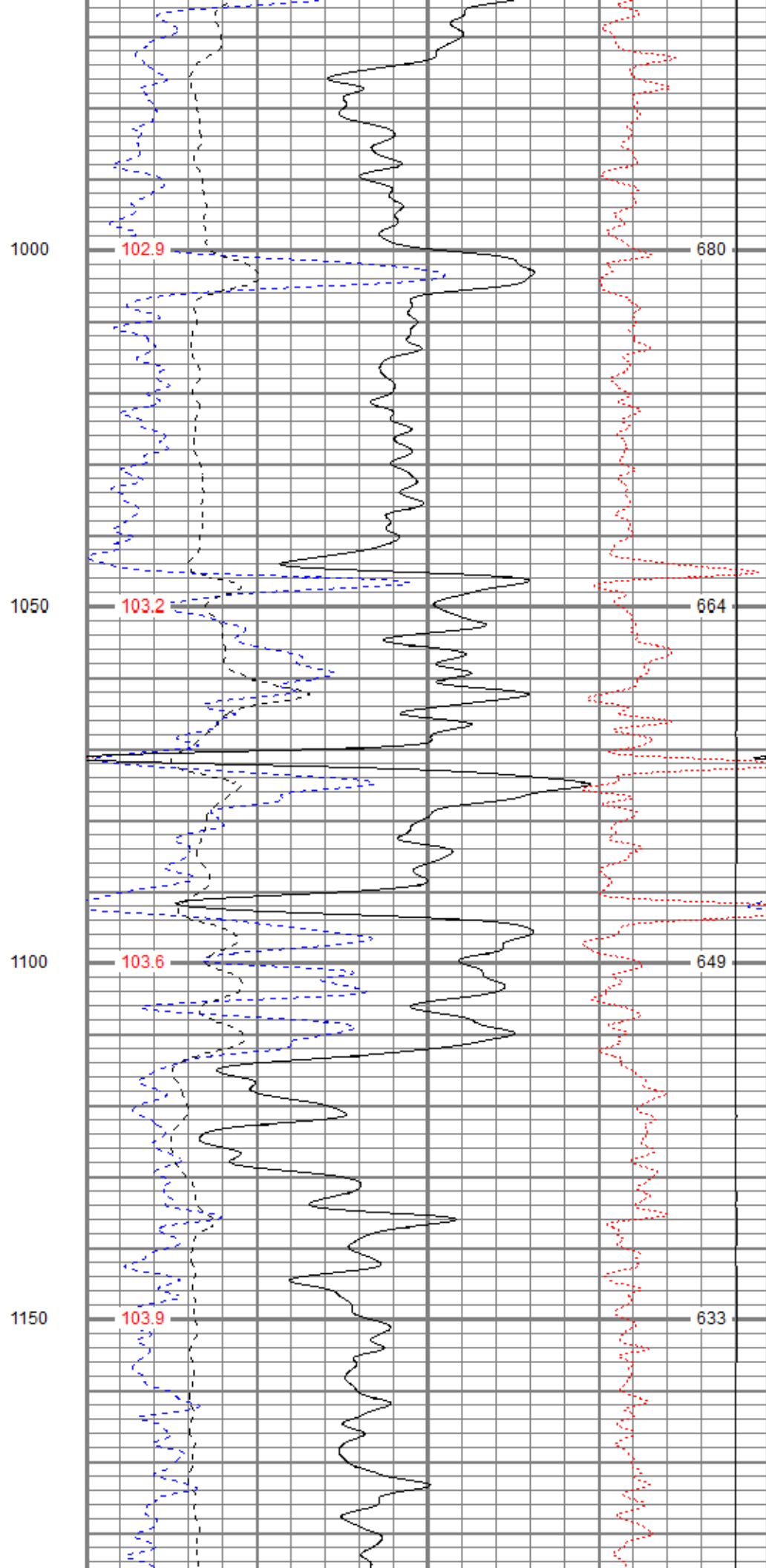
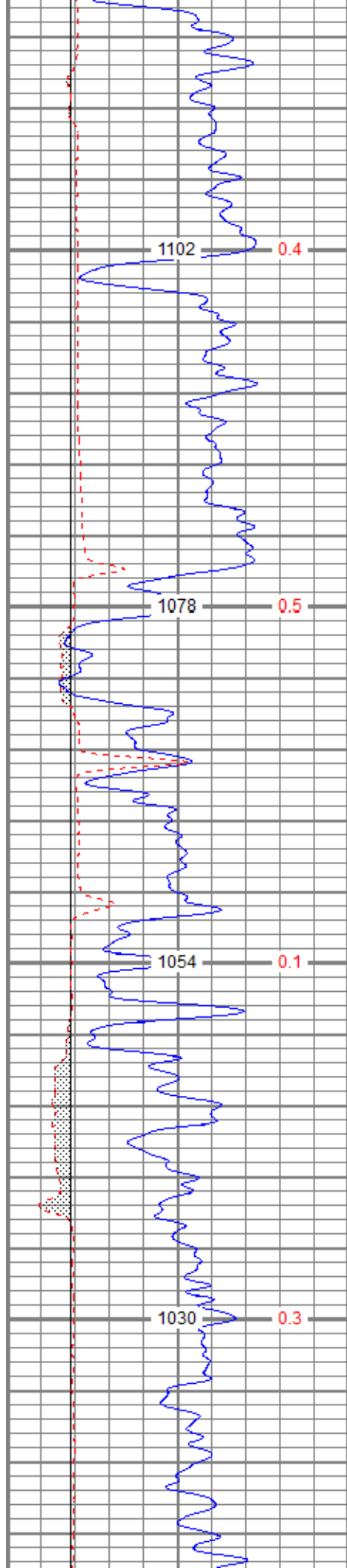
0	GR (GAPI)	150
6	BOREID (in)	16
6	DCAL (in)	16
	TBHV (ft3)	DEVI (deg)

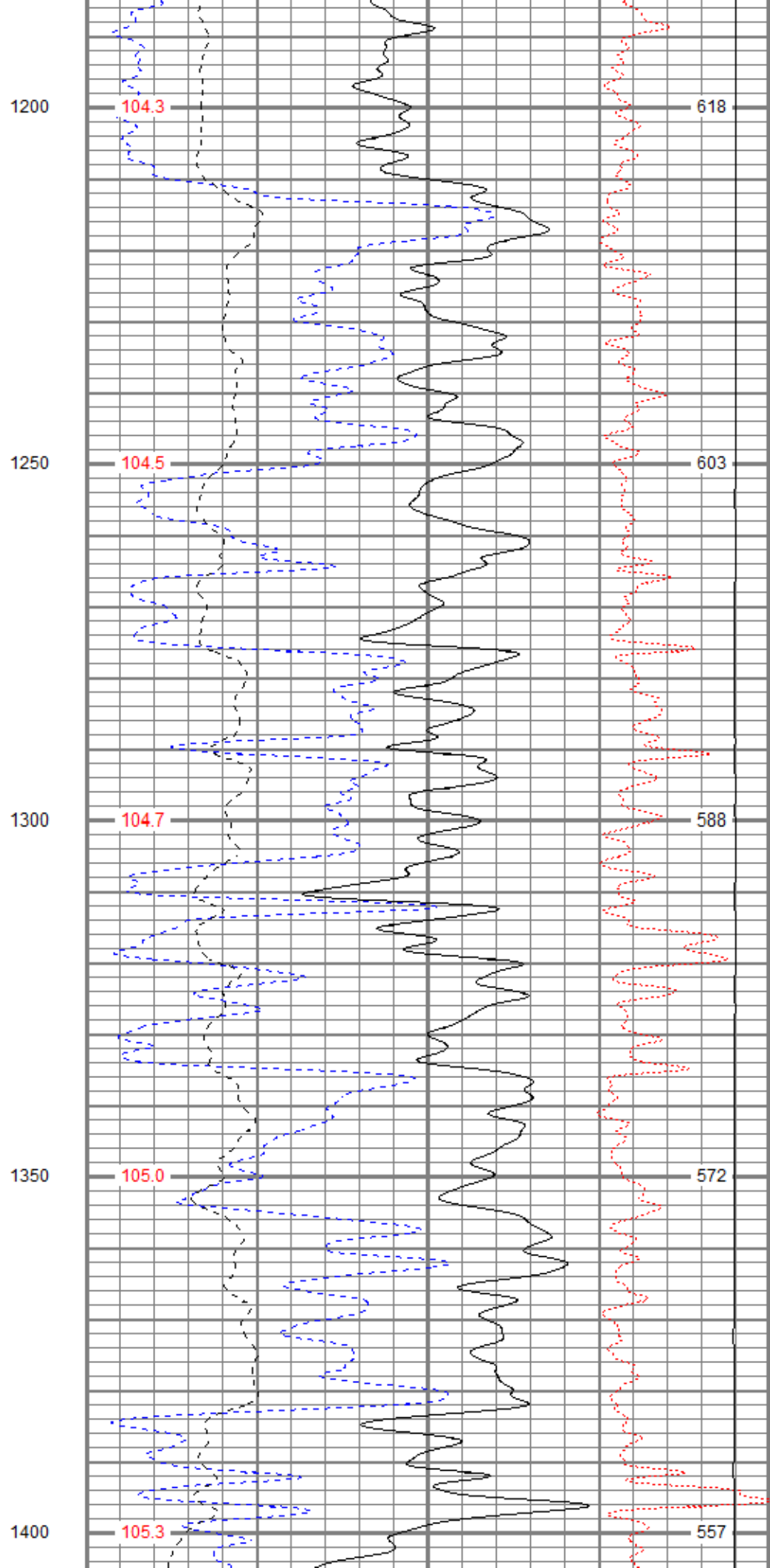
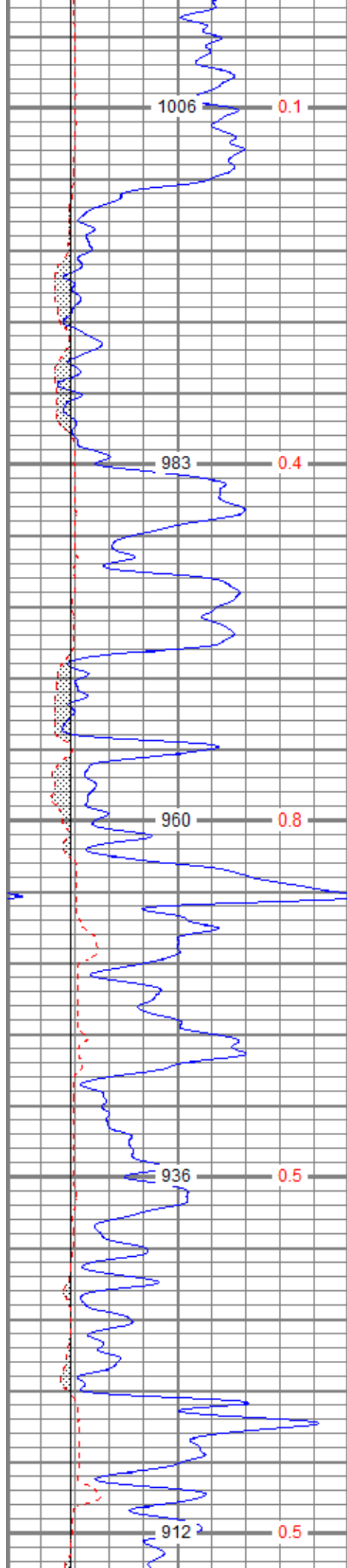
30		NPOR (pu)		-10	
30		DPOR (pu)		-10	
70		DPOR (pu)		30	
0	Pe (barn)	10	-0.25	RHOC (g/cc)	0.25
TEMP		8000	LTEN (lb)		0
(degF)			ABHV (ft3)		

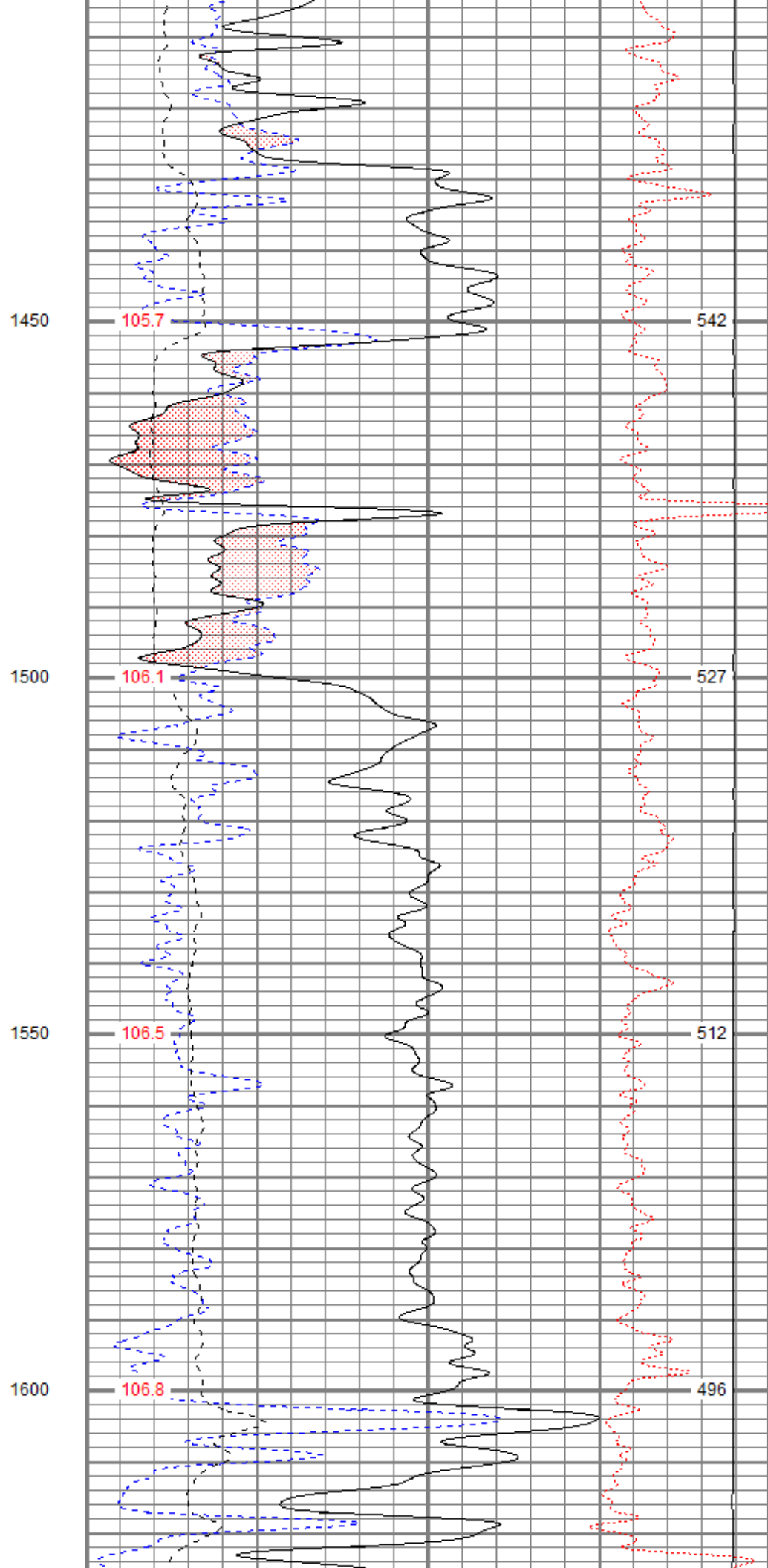
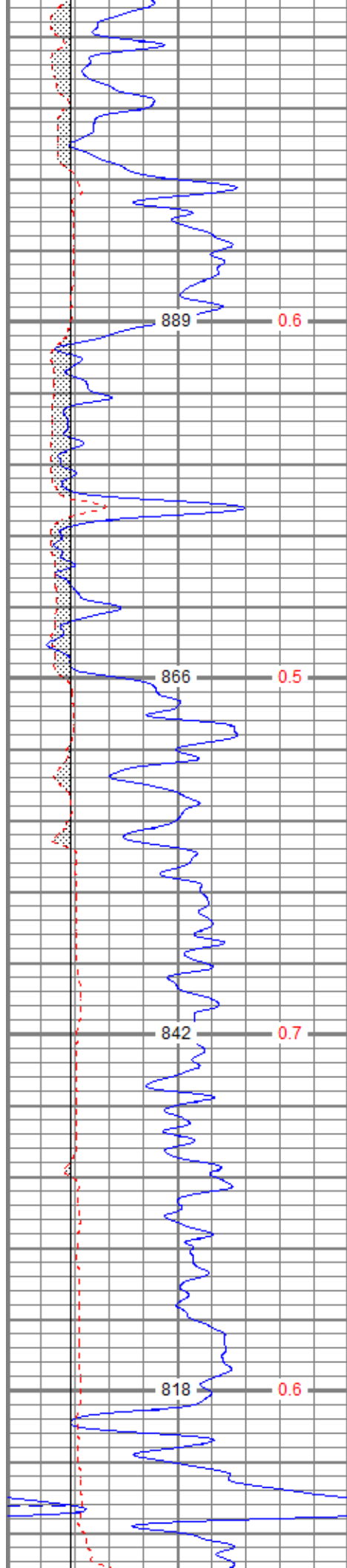


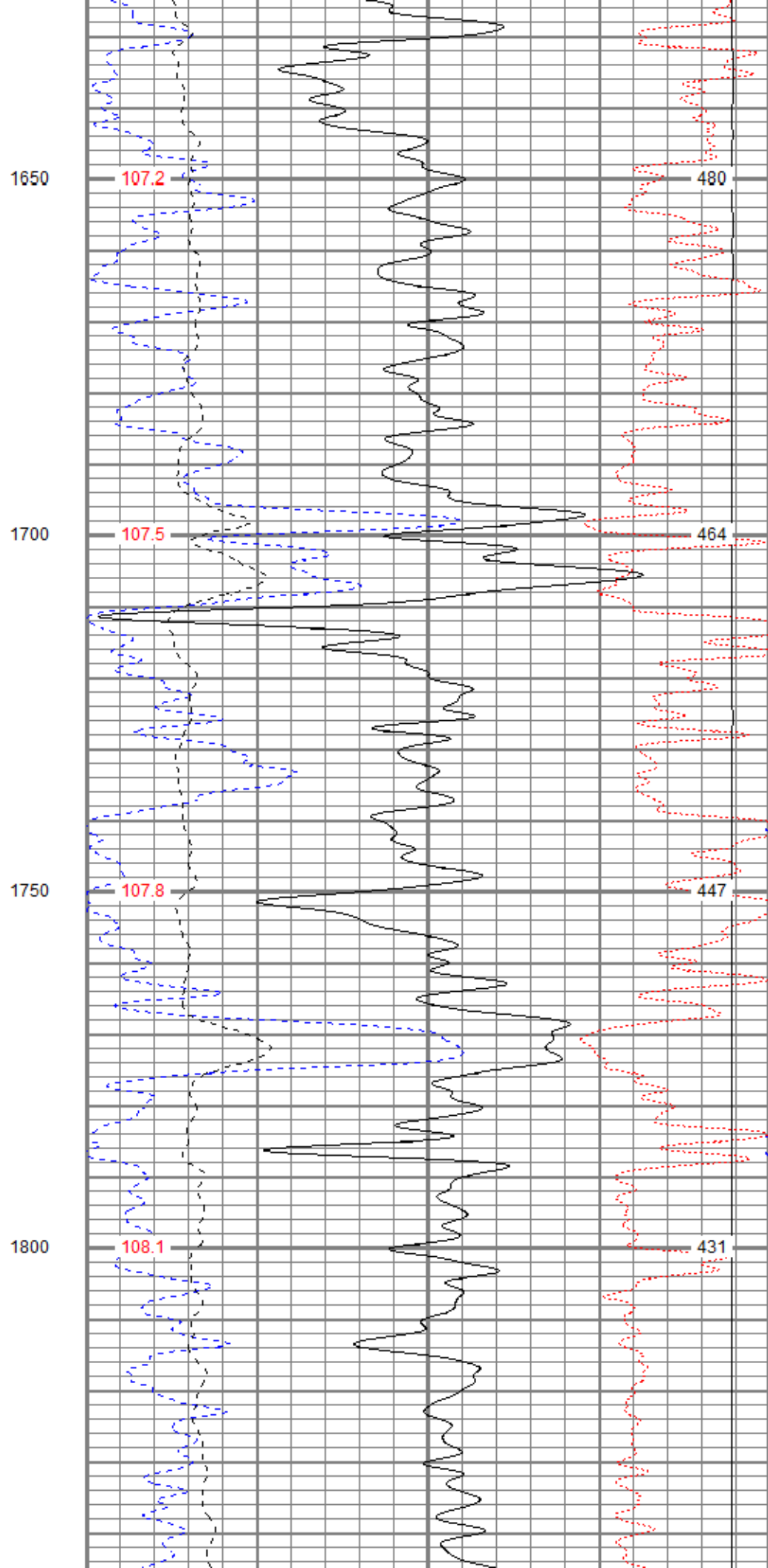
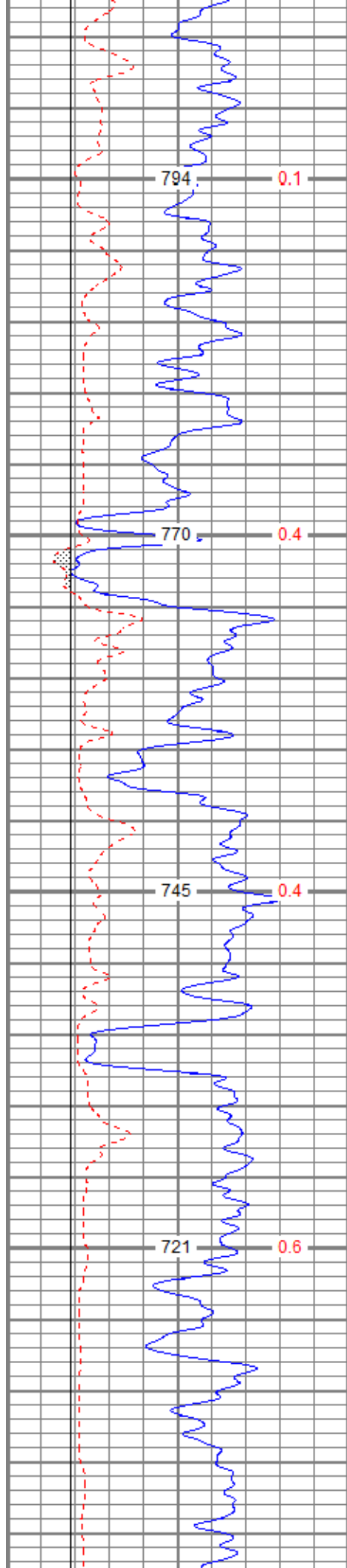


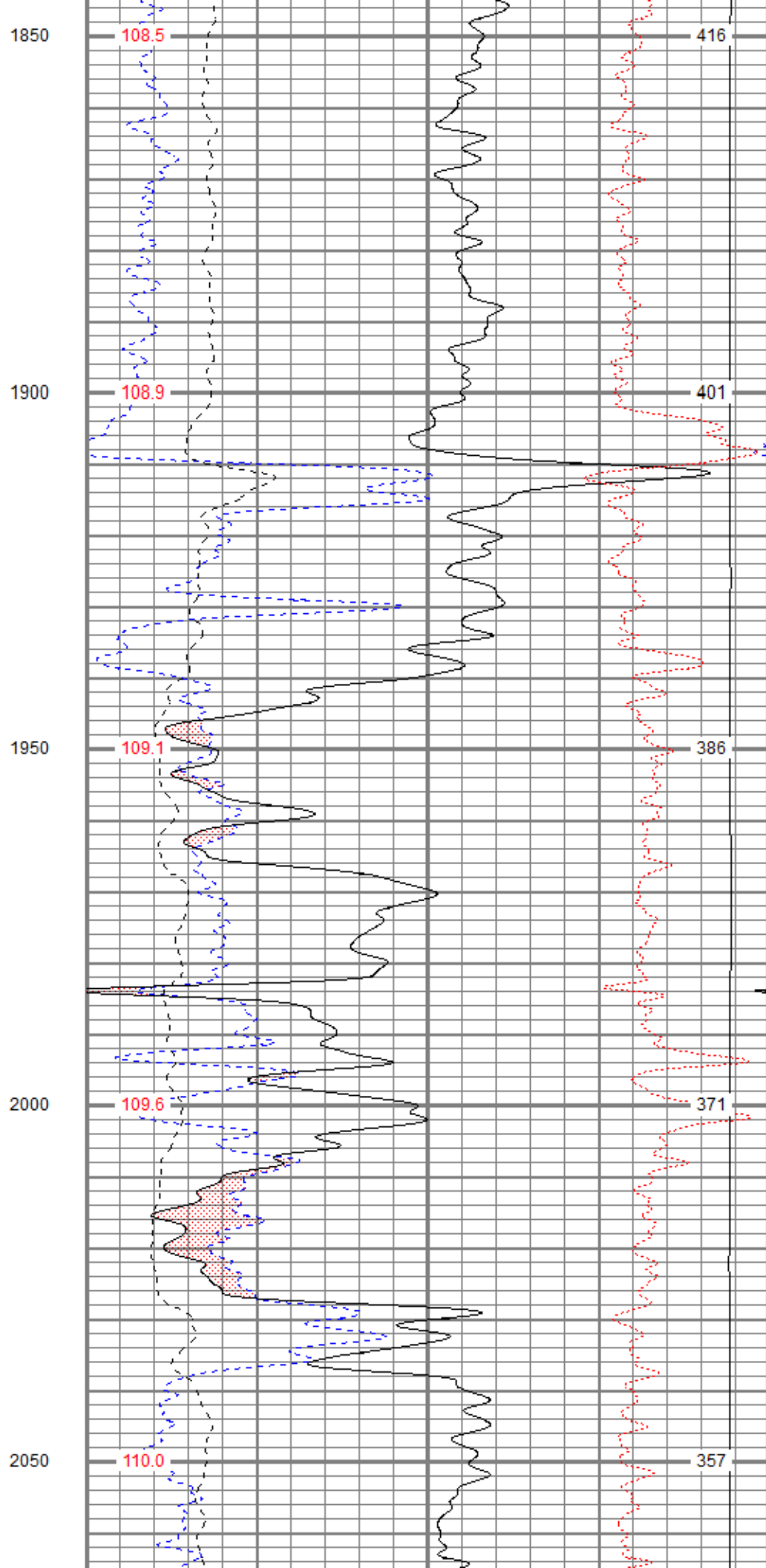
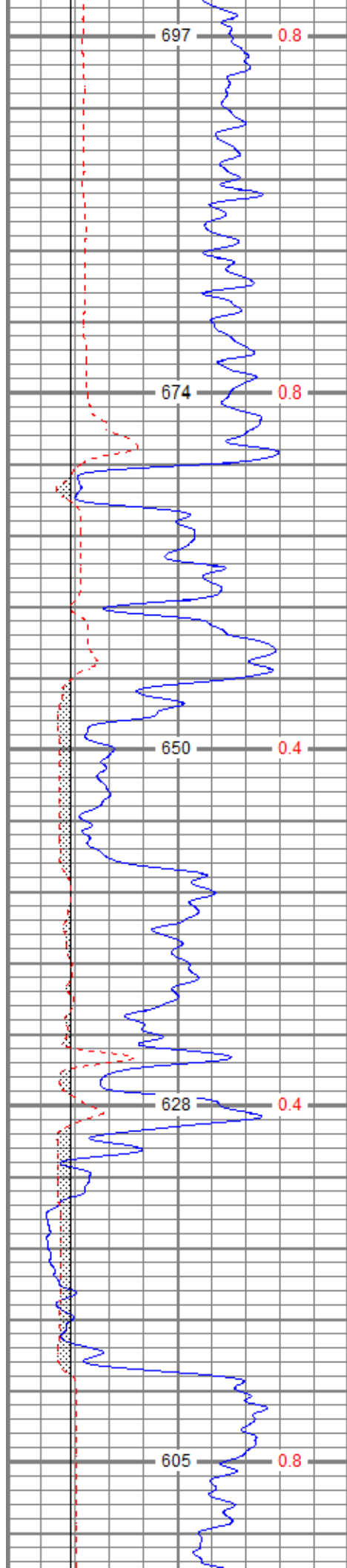


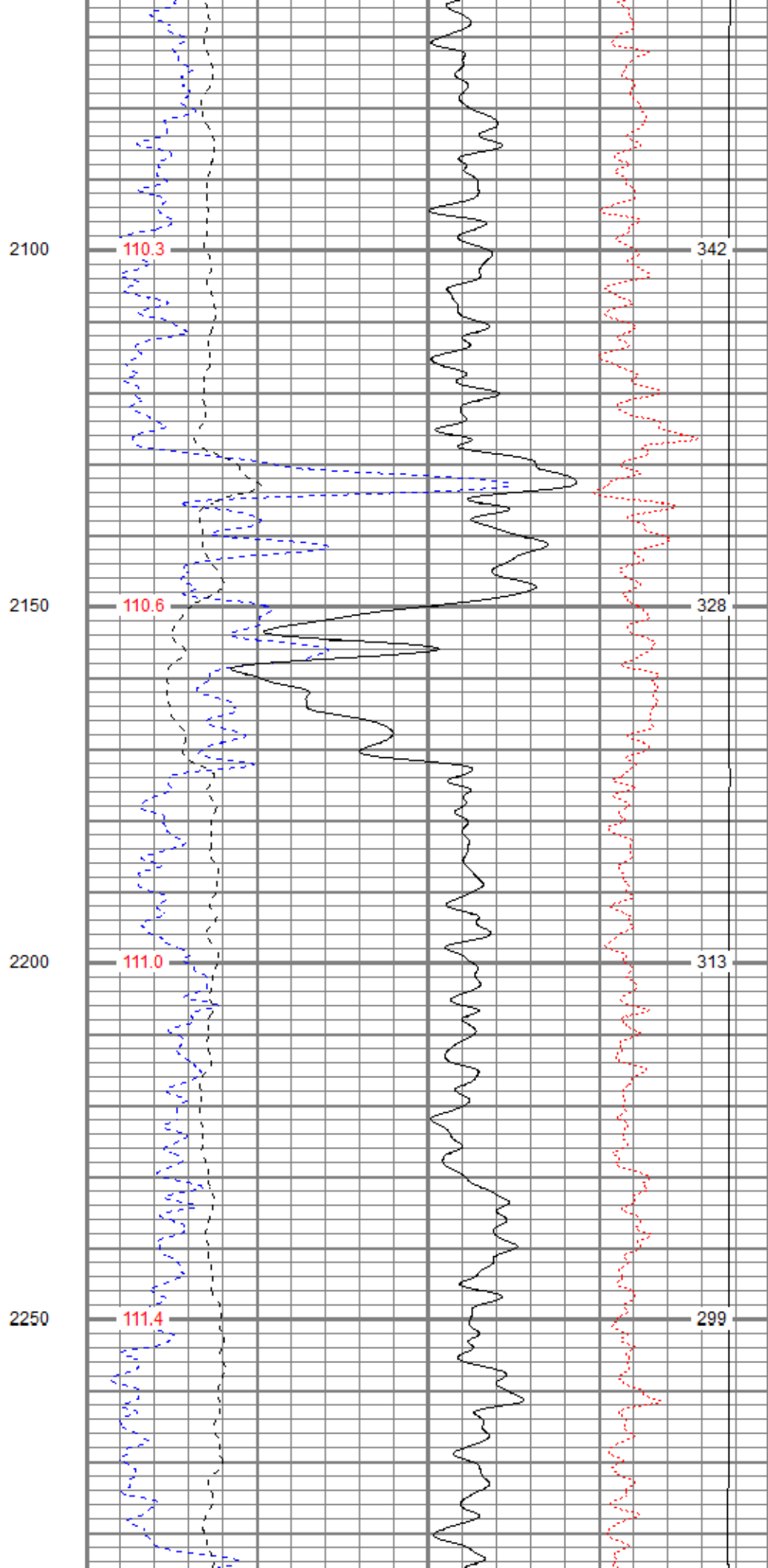
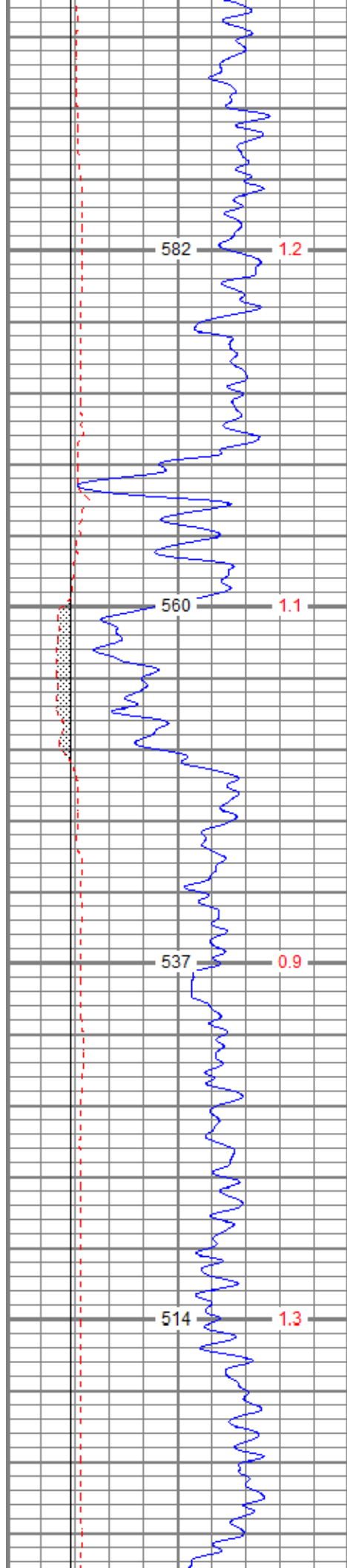


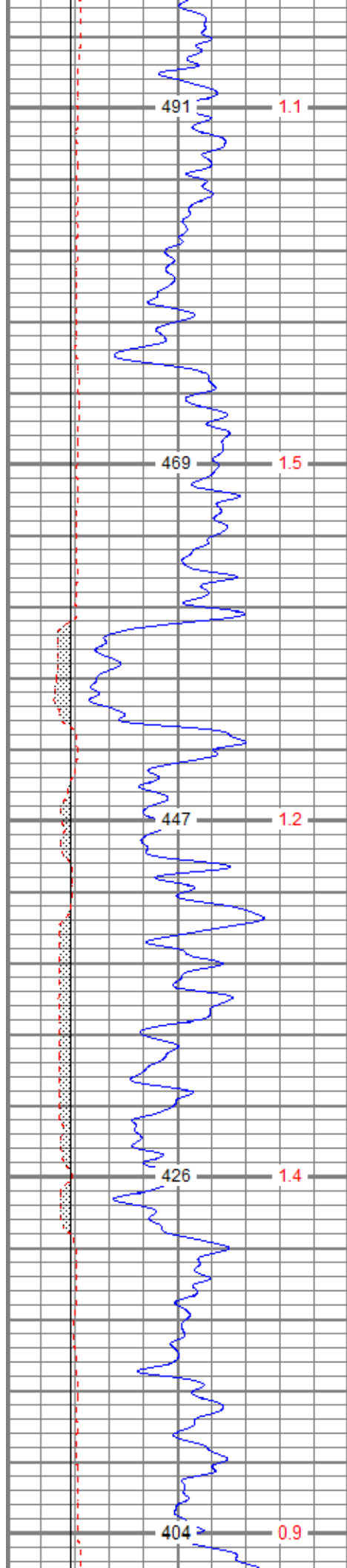












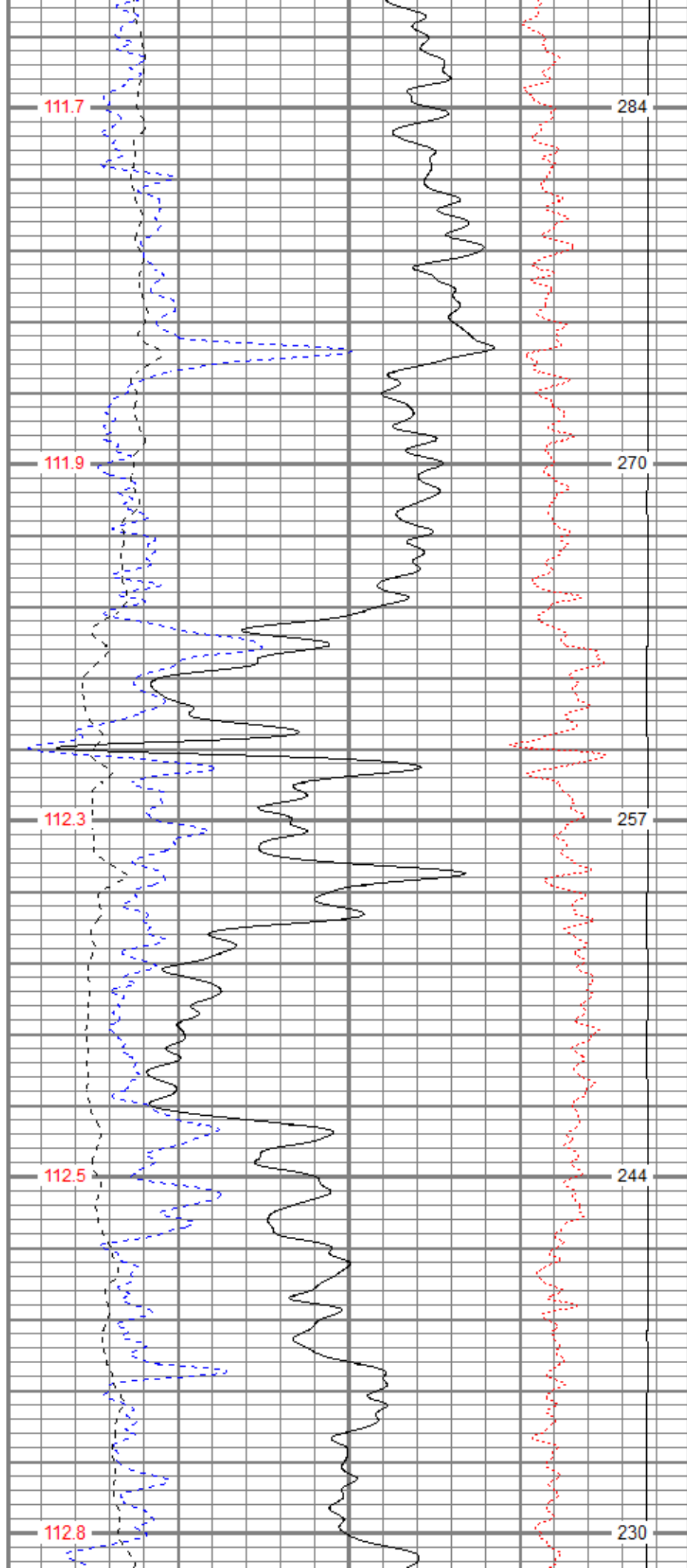
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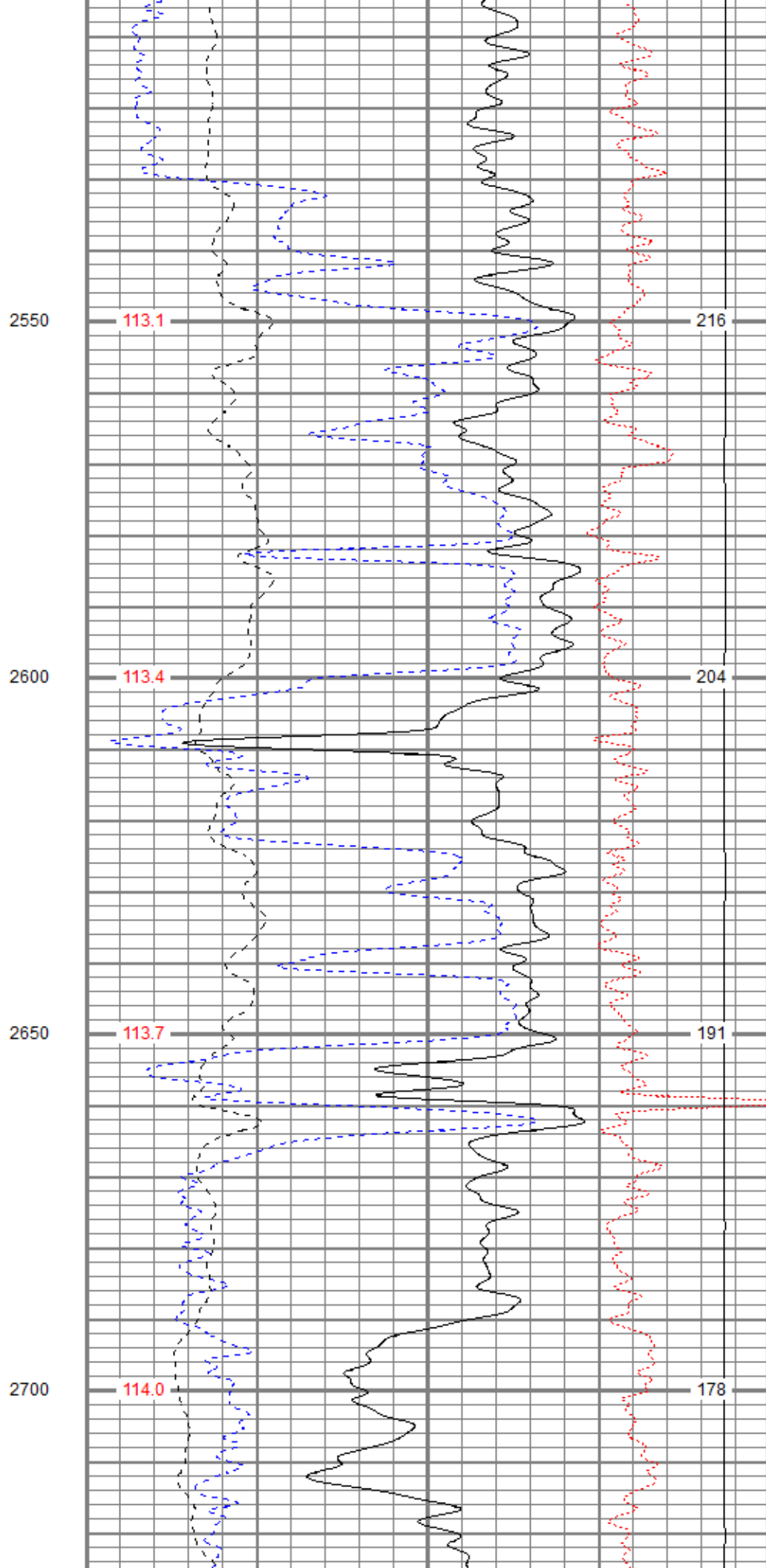
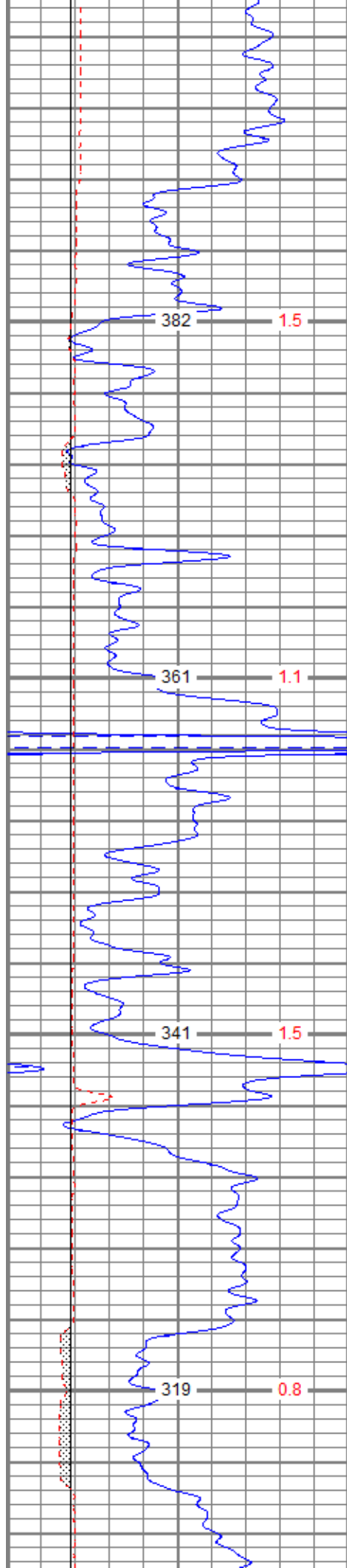
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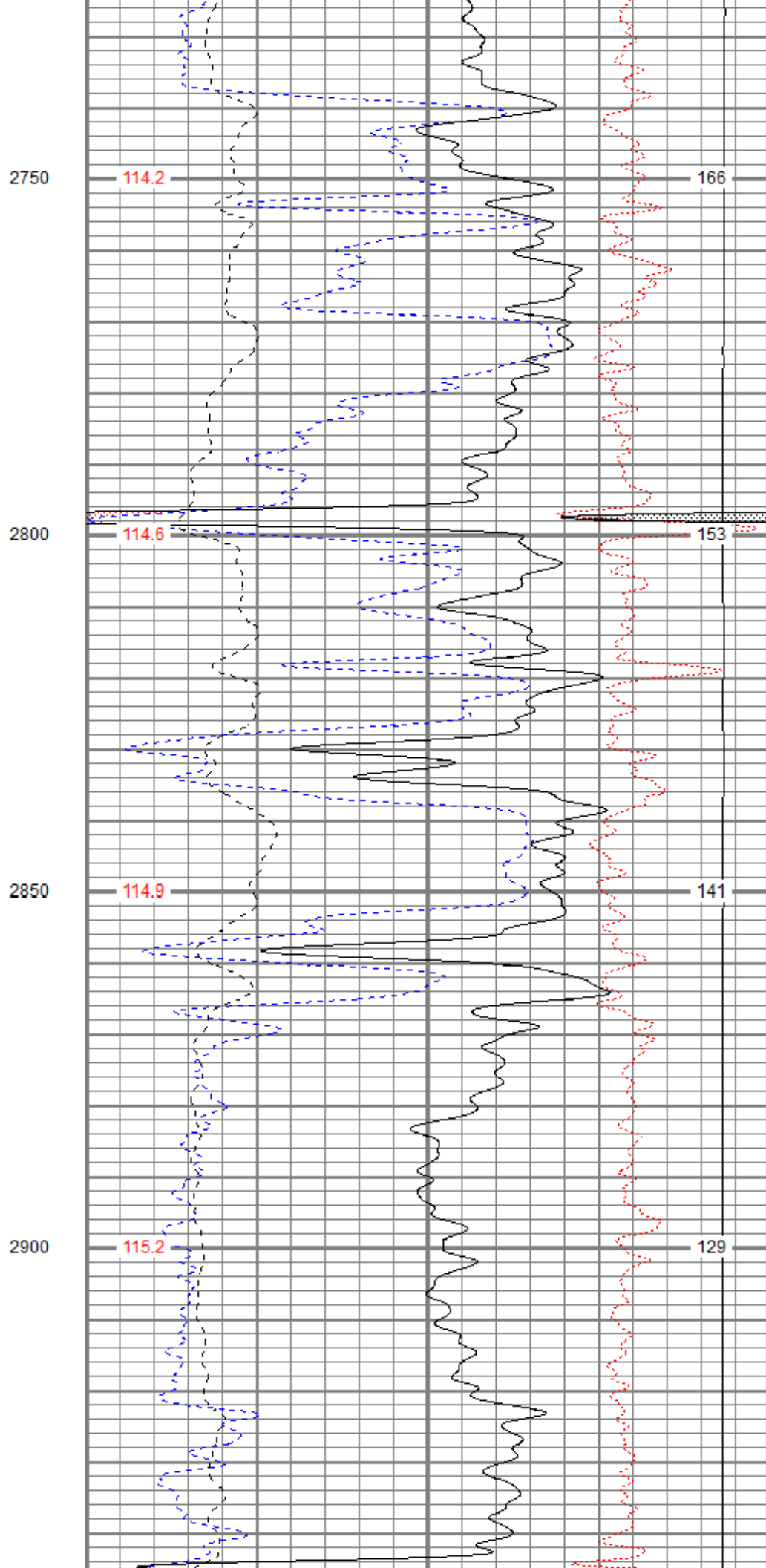
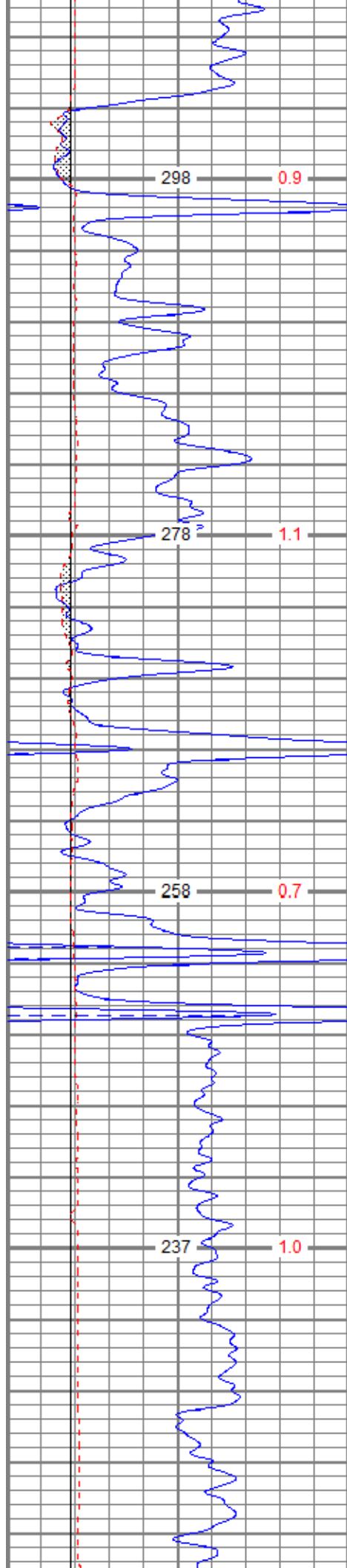
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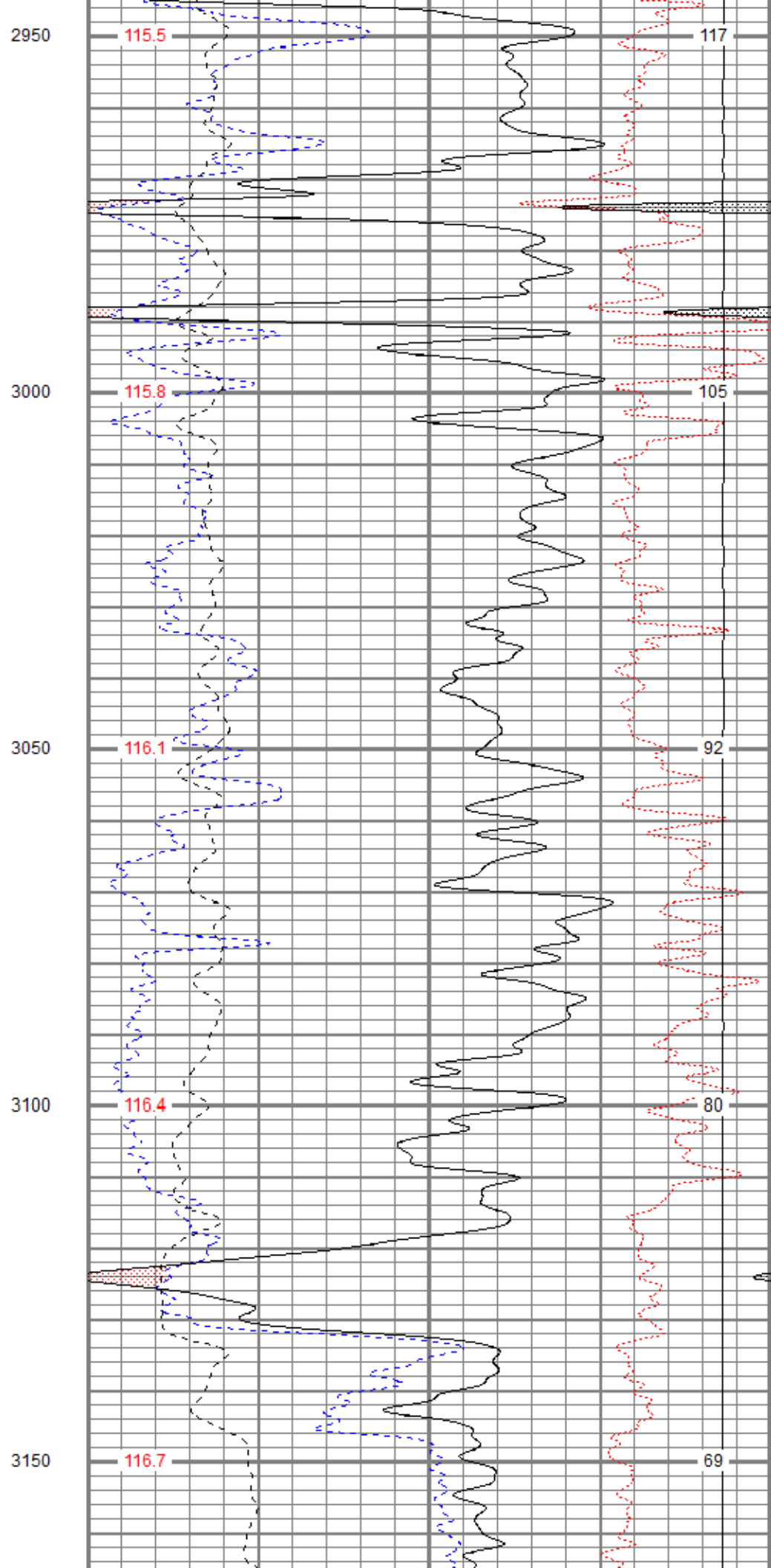
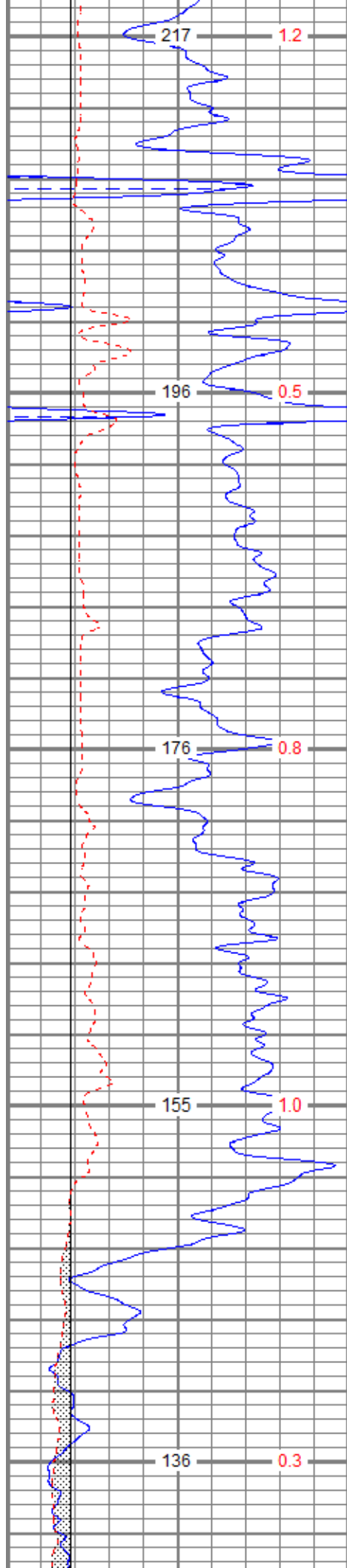
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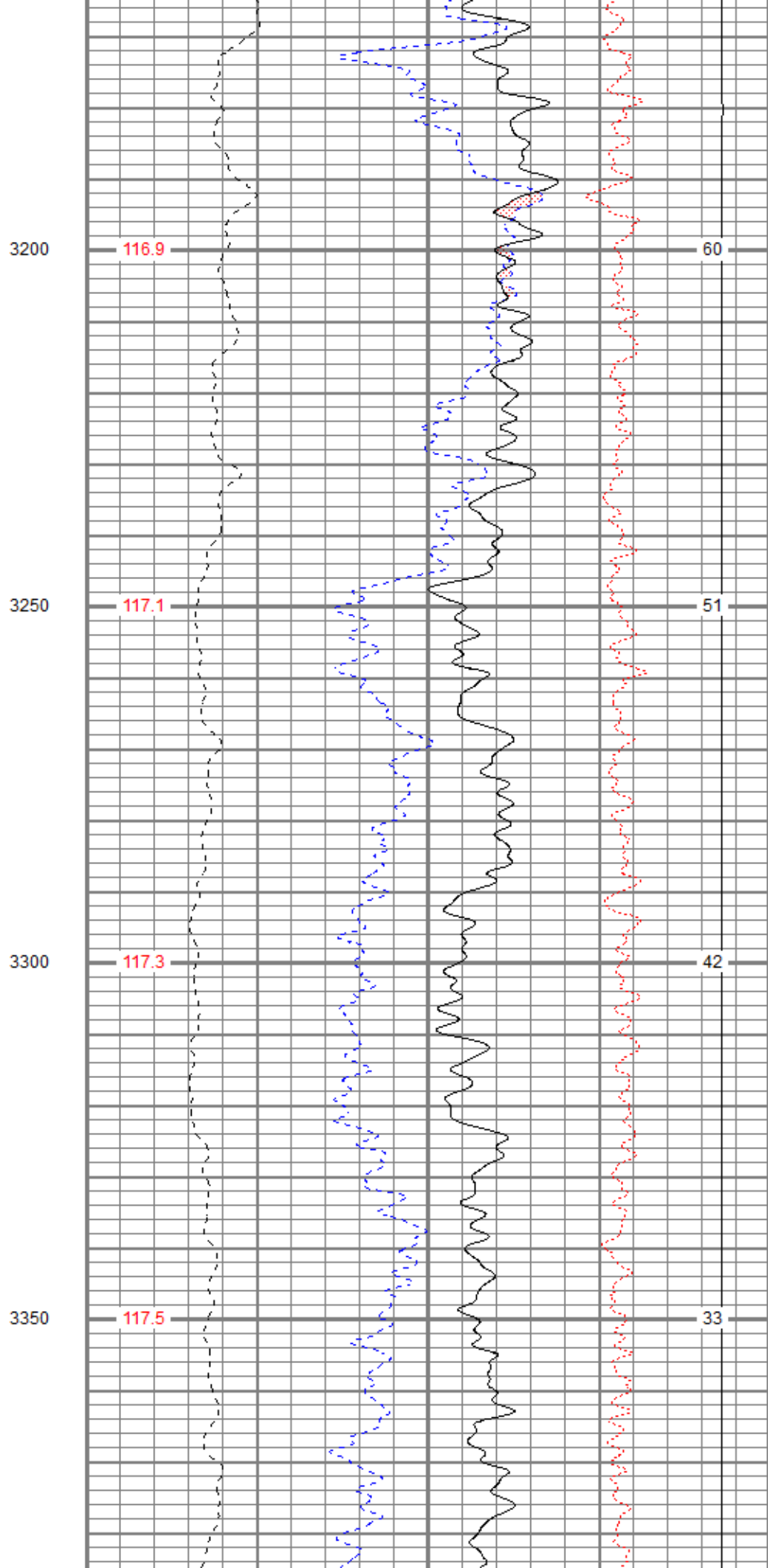
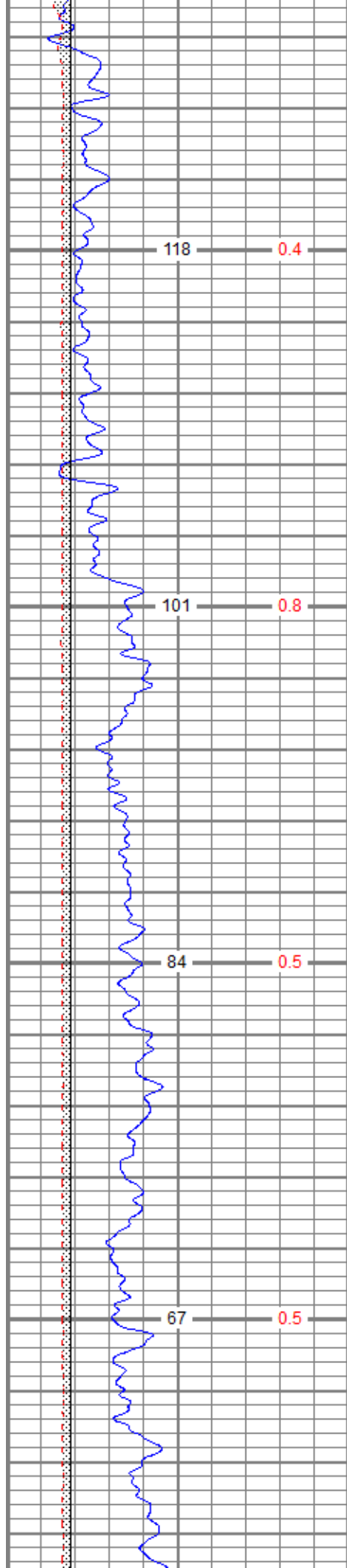
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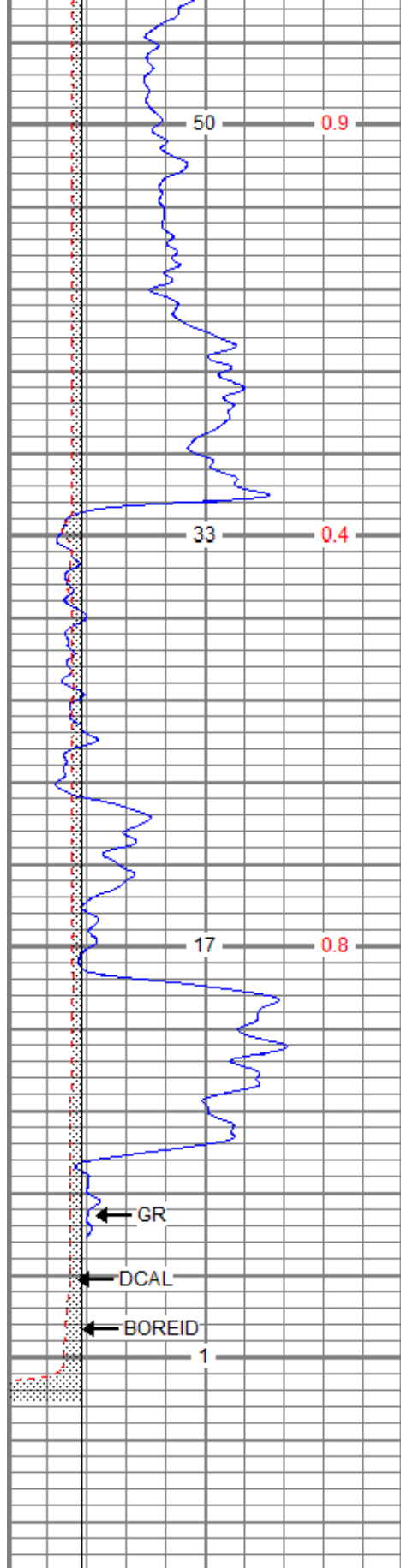




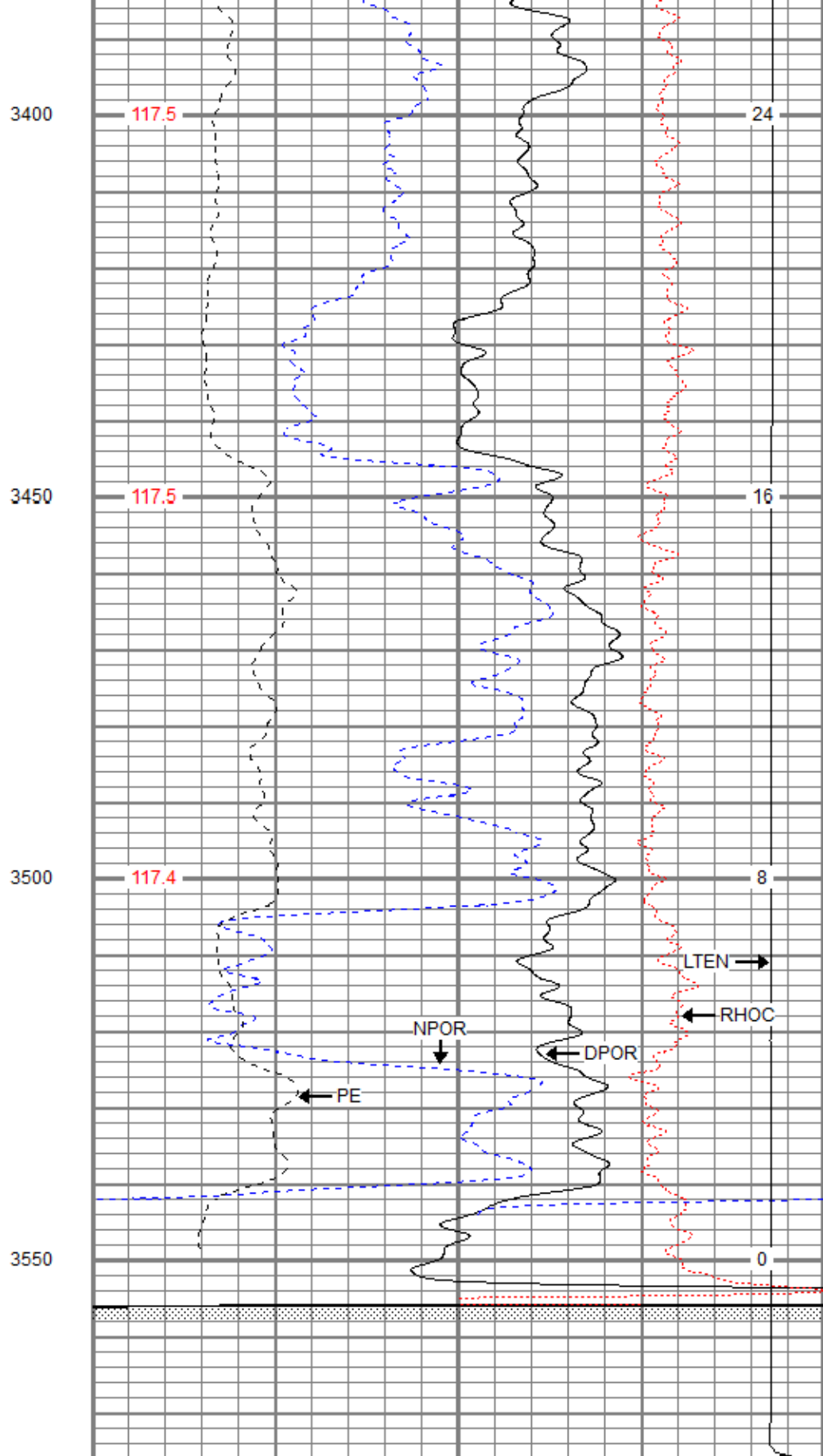








0	GR (GAPI)	150
6	BOREID (in)	16
6	DCAL (in)	16
TBHV (ft3)		DEVI (deg)



30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
0	Pe (barn)	10
0	TEMP (degF)	8000
0.25	RHOC (g/cc)	0.25
0	LTEN (lb)	0
ABHV (ft3)		

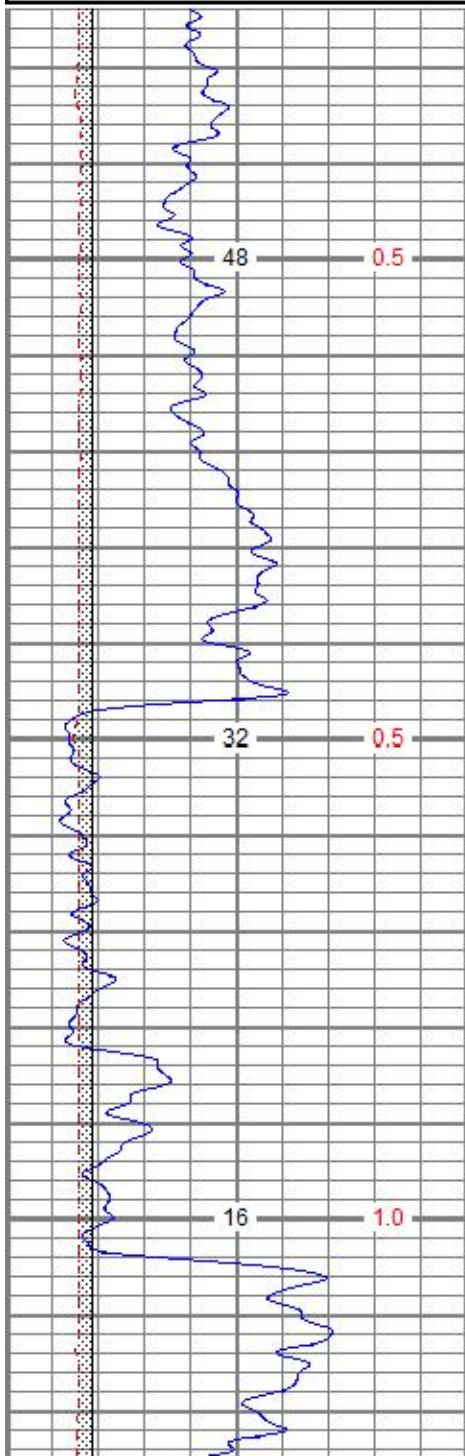


REPEAT SECTION

Database File taoslfj#5oh.db
 Dataset Pathname pass1.1
 Presentation Format digital_kcdnl
 Dataset Creation Sat Jun 10 16:32:58 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	BOREID (in)	16
6	DCAL (in)	16
	TBHV (ft3)	DEVI (deg)

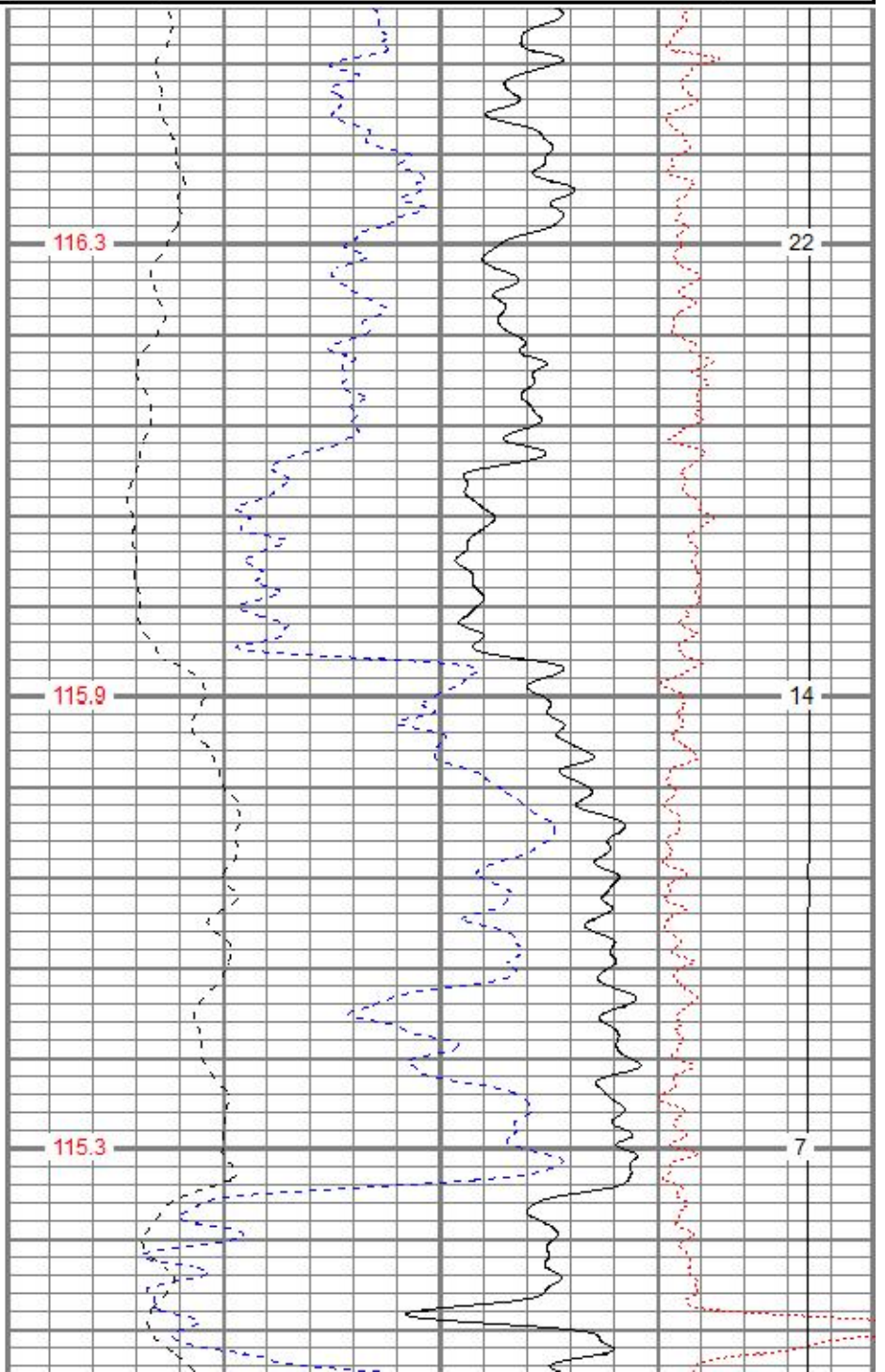
30		NPOR (pu)		-10	
30		DPOR (pu)		-10	
70		DPOR (pu)		30	
0		Pe (barn)		10	
		-0.25		RHOC (g/cc)	
		0.25			
TEMP		8000		LTEN (lb)	
(degF)				0	
				ABHV (ft3)	

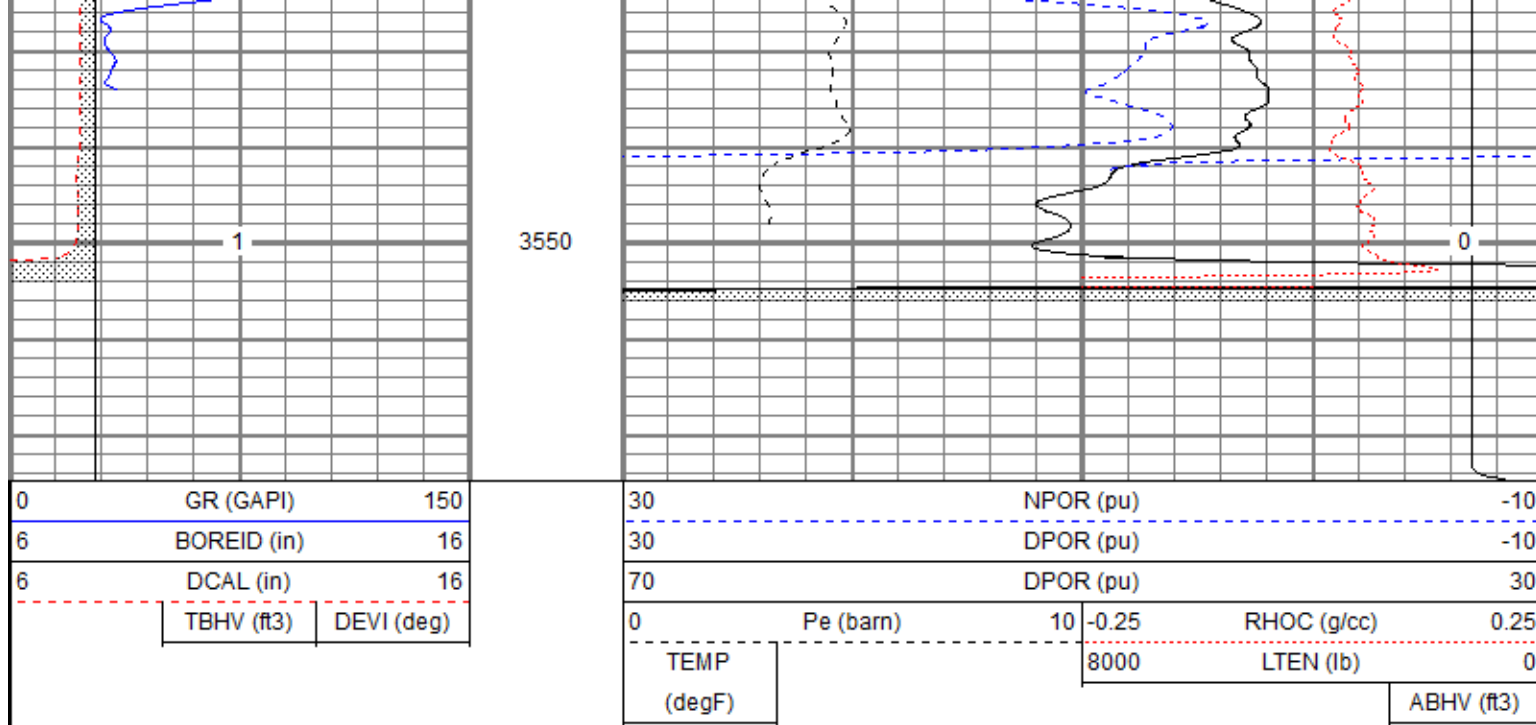


3400

3450

3500





Calibration Report		
Database File	taoslfj#5oh.db	
Dataset Pathname	pass2.1	
Dataset Creation	Sat Jun 10 16:27:21 2017	

Dual Induction Calibration Report

Serial-Model:	1989-ADM
Surface Cal Performed:	Thu Jun 08 07:52:27 2017
Downhole Cal Performed:	Thu Jun 08 07:52:30 2017
After Survey Verification Performed:	Thu Jun 08 07:52:33 2017

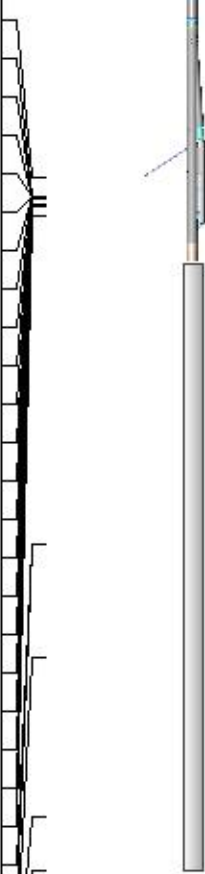
Surface Calibration								
Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.002	0.656	V		0.000	350.000	mmho/m	535.560
Medium	0.003	0.745	V		0.000	400.000	mmho/m	538.828
Internal:	Zero	Cal			Zero	Cal	m	b
Deep	0.002	0.656	V		0.000	350.000	mmho/m	535.220
Medium	0.003	0.745	V		0.000	550.000	mmho/m	741.357

Downhole Calibration								
Internal:	Readings				References		Results	
	Zero	Cal			Zero	Cal	m	b
Deep	-0.036	349.993	mmho/m		-0.114	350.108	mmho/m	1.001
Medium	0.039	400.181	mmho/m		0.053	399.799	mmho/m	0.999
Shallow	2.503	0.015	V		500.000	2.000	Ohm-m	180.177

After Survey Verification								
Internal:	Readings				Targets		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.000	0.000	mmho/m		-0.036	349.993	mmho/m	1.001
Medium	0.000	0.000	mmho/m		0.039	400.181	mmho/m	0.999
Shallow	0.000	0.000	Ohm-m		500.000	2.000	Ohm-m	1.000

Neutron Calibration Report					
Serial Number:	Admyr				
Tool Model:	G				
Performed:	Thu Mar 09 09:56:12 2017				
Calibrator Value:	1	NAPI			
Calibrator Reading:	1	cps			
Sensitivity:	1	NAPI/cps			
Gamma Ray Calibration Report					
Serial Number:	1				
Tool Model:	A				
Performed:	Thu Jun 08 07:52:01 2017				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.7000	GAPI/cps			
Temperature Calibration Report					
Serial Number:	1				
Tool Model:	A				
Performed:	Thu Jun 08 07:52:12 2017				
	Reference		Reading		
Low Reference:	0.00	degF	0.00	degF	
High Reference:	32.00	degF	32.00	degF	
Gain:	1.00				
Offset:	0.00				
Delta Spacing	1				
Inclinometer Calibration Report					
Performed:	Thu Jun 08 07:52:17 2017				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	38.32		CHD-STD	0.50	1.69	1.00
TEMP	35.35		ADT1PULSE-A (1)	0.83	3.50	10.00
PSTAT	35.06		Pulsed Interface Tool #1			
ASTAT	35.06		ADT1ADC-A (1)	0.83	3.50	10.00
GRD	34.81		Analog Interface #1			
ACCY	34.65		ADT1SENSORS-A (1)	4.54	3.50	10.00
ACCX	34.65		NEU-G (Admyr)	5.65	3.50	85.00
SSTAT	34.65		Gearhart Epithermal			
NEU	33.46					

LStat	22.54		ADT1LITH-A (1) Admyr Litho Density Tool DIL-ADM (1989) Dual Induction	9.29	3.50	240.00				
LS8	21.88									
LS7	21.88									
LS6	21.88									
LS5	21.88									
LS4	21.88									
LS3	21.88									
LS2	21.88									
LS1	21.88									
LSV	21.88									
LSD	21.86									
SSV	21.67									
SS8	21.67									
SS7	21.67									
SS6	21.67									
SS5	21.67									
SS4	21.67									
SS3	21.67									
SS2	21.67									
SS1	21.67									
DCAL	21.61									
SSD	21.27									
SP	10.60									
CILD	10.60									
CILM	6.89	Dataset: taoslf#5oh.db: field/well/run1/pass2.1 Total length: 39.69 ft Total weight: 656.00 lb O.D.: 4.00 in								
RLL3	1.70									
TR_Mon	0.00									