



DUAL INDUCTION LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Pickett #1	Well	Pickett #1
Field	Wildcat	Field	Wildcat
County	Scott	County	Scott
State	Kansas	State	Kansas
Location:	2217' FNL & 1185' FWL	API #:	15 171 21138
Permanent Datum	SEC 3 TWP 20S RGE 34W	Other Services	CDNL ML BCS
Log Measured From	KB 5' AGL	Elevation	K.B. 3034' D.F. 3033' G.L. 3029'
Drilling Measured From	KB		
Date	7-15-15		
Run Number	One		
Depth Driller	4963'		
Depth Logger	4960'		
Bottom Logged Interval	4958'		
Top Log Interval	200'		
Casing Driller	8 5/8" @ 217'		
Casing Logger	217'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	8.9/36		
pH / Fluid Loss	10.0/9.6		
Source of Sample	Pit		
Rm @ Meas. Temp	.6@75degf		
Rmf @ Meas. Temp	.45@75degf		
Rmc @ Meas. Temp	.72@75degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.38@120degf		
Time Circulation Stopped	1:30 p.m.		
Time Logger on Bottom	3:00 p.m.		
Maximum Recorded Temperature	120degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	Gus Pfannenstiel		
Witnessed By	Mr. Andrew Stenzel		

<<< Fold Here >>>

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.

Comments

South of Scott City to 70 Rd.,
West 5 miles, South 3/4 mile,
East into.



Main Pass

Database File pppickett#1oh.db
Dataset Pathname pass2
Presentation Format kdillin2
Dataset Creation Wed Jul 15 15:43:12 2015
Charted by Depth in Feet scaled 1:600

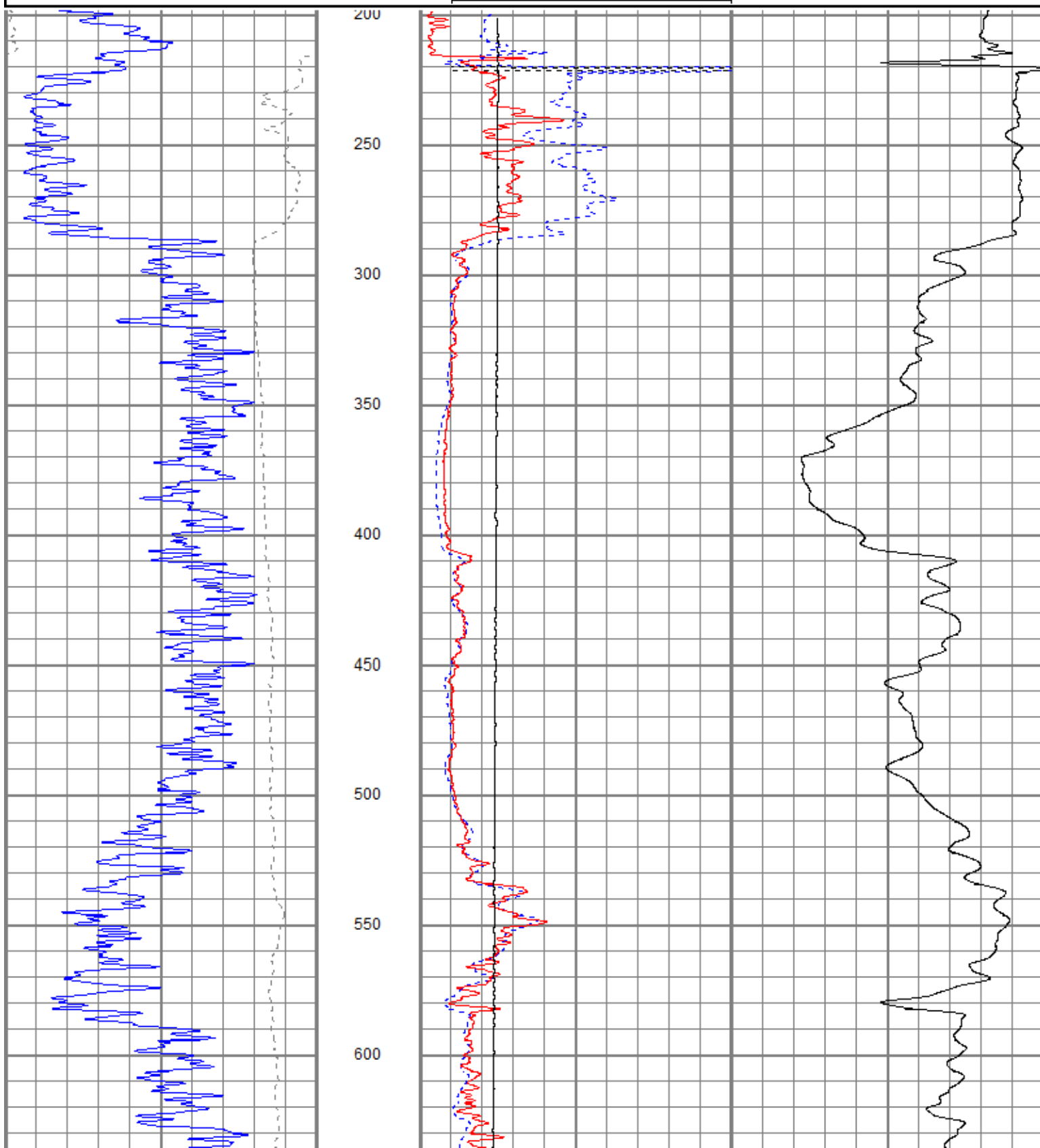
0	GR (GAPI)	150
-200	SP (mV)	0

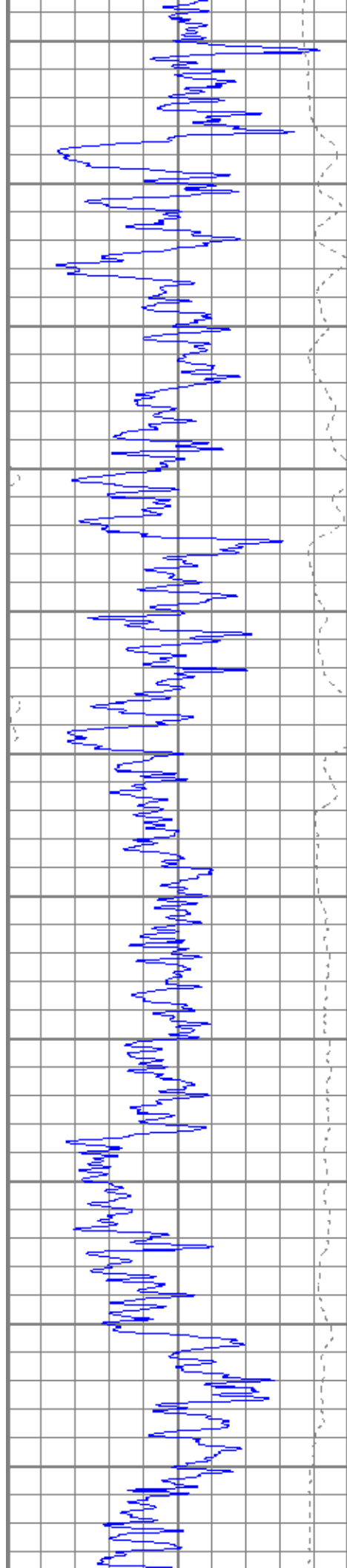
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50

1000	CILD (mmho/m)	0
------	---------------	---

10000	LTEN (lb)	0
-------	-----------	---

50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500





650

700

750

800

850

900

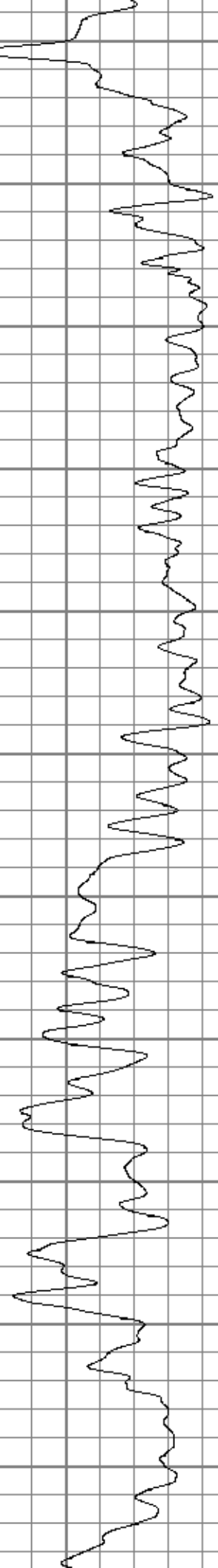
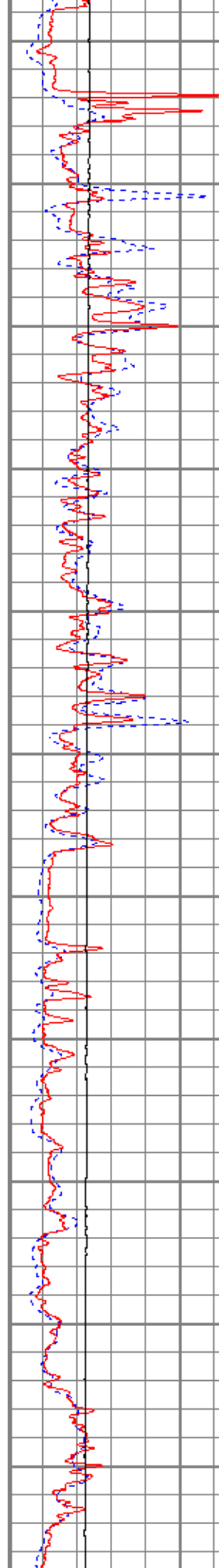
950

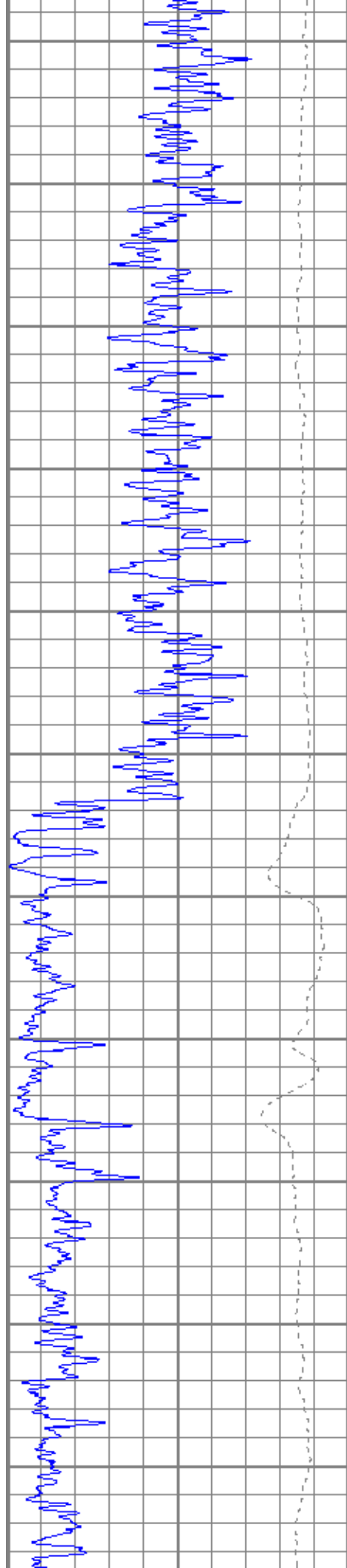
1000

1050

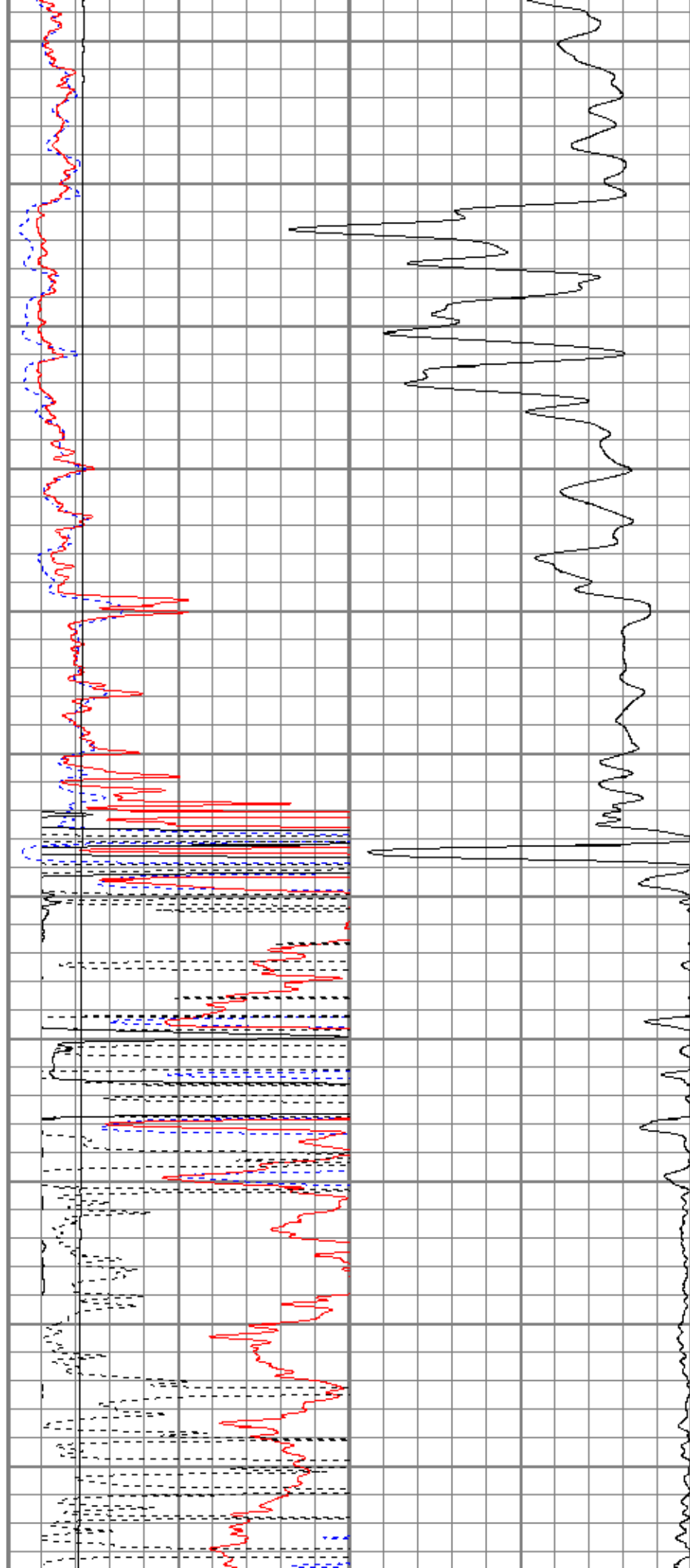
1100

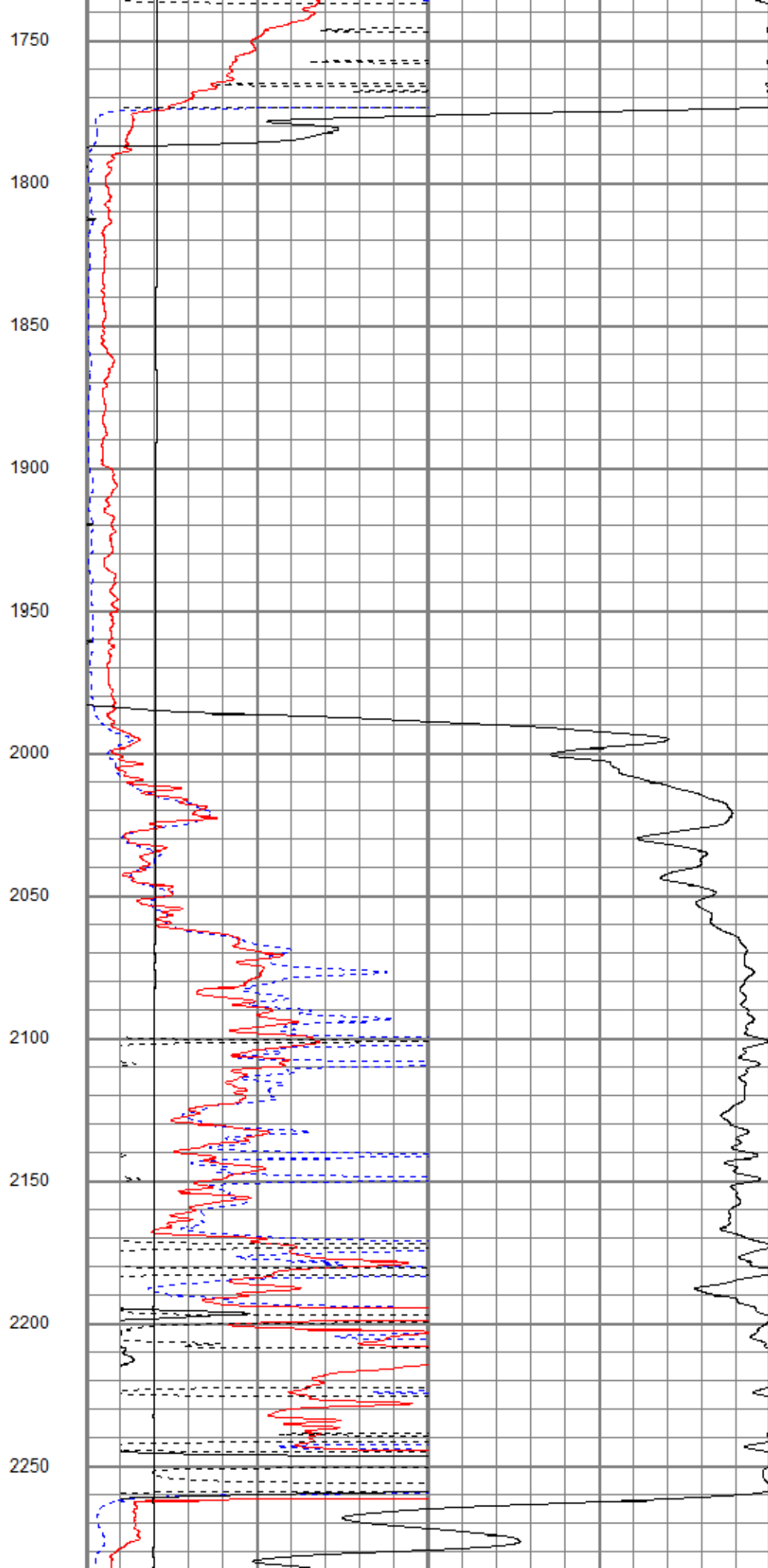
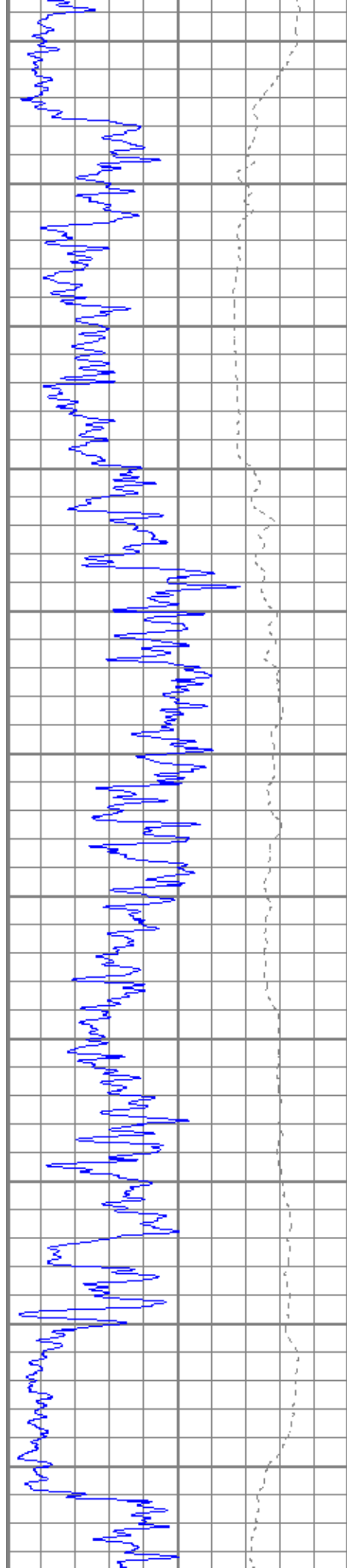
1150

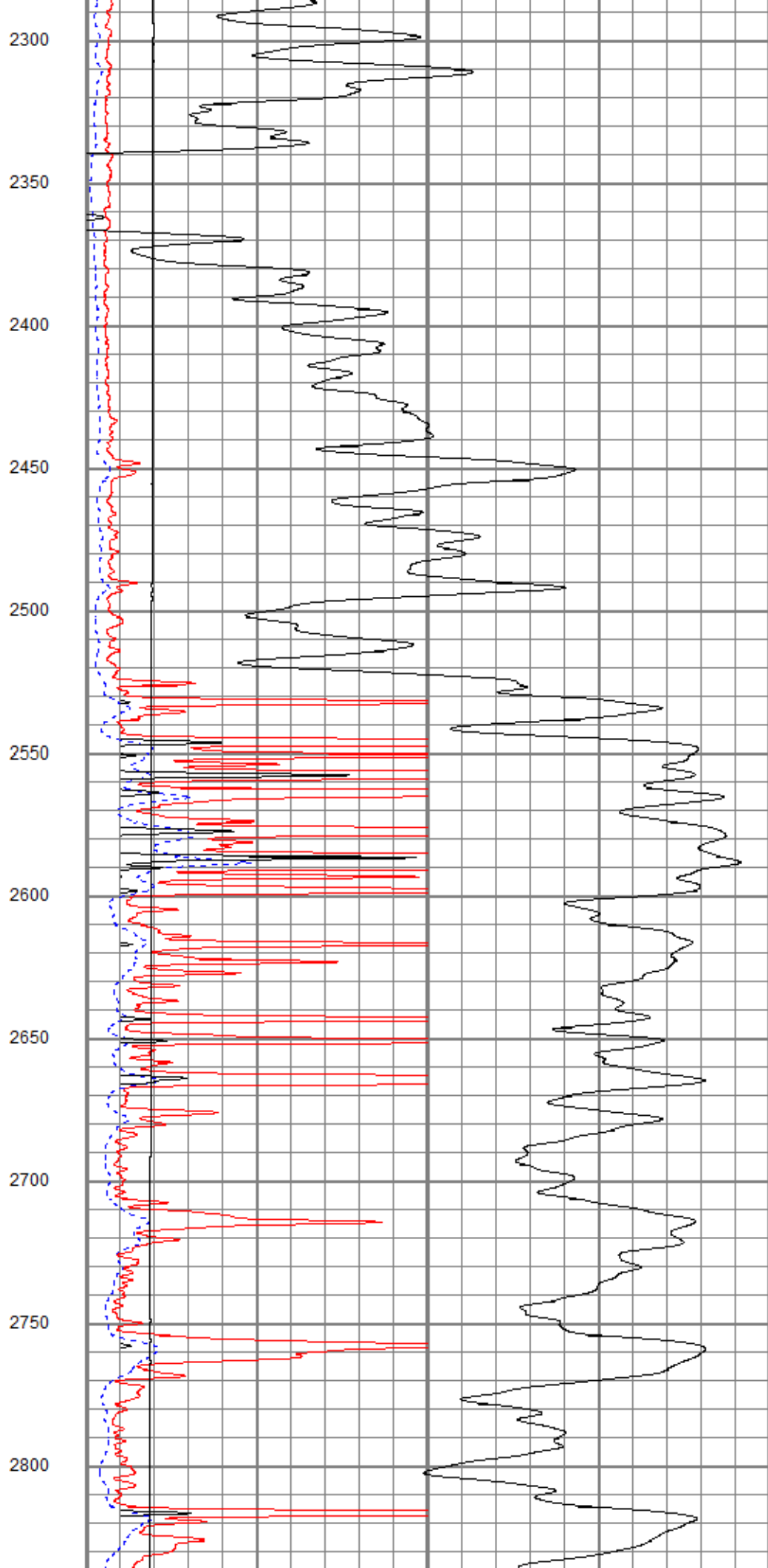
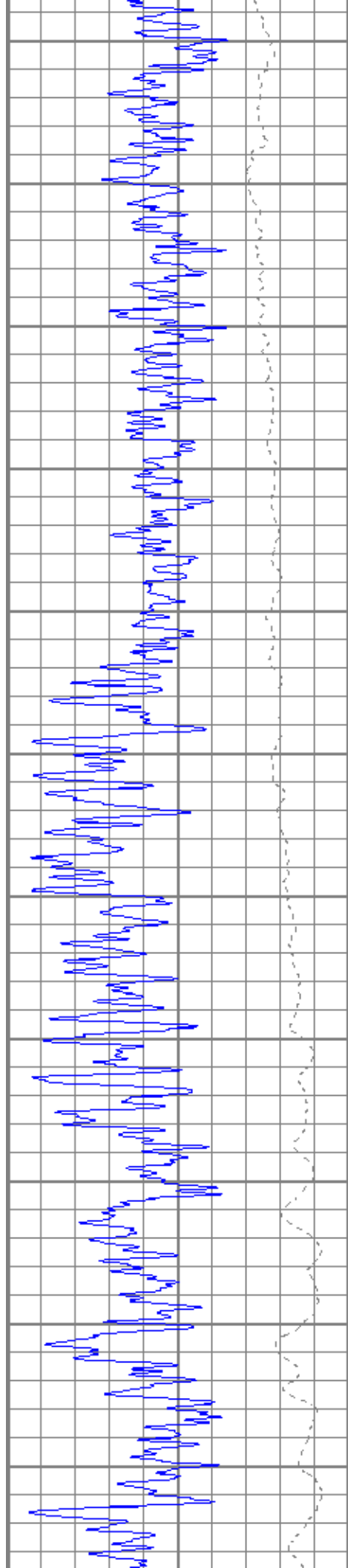


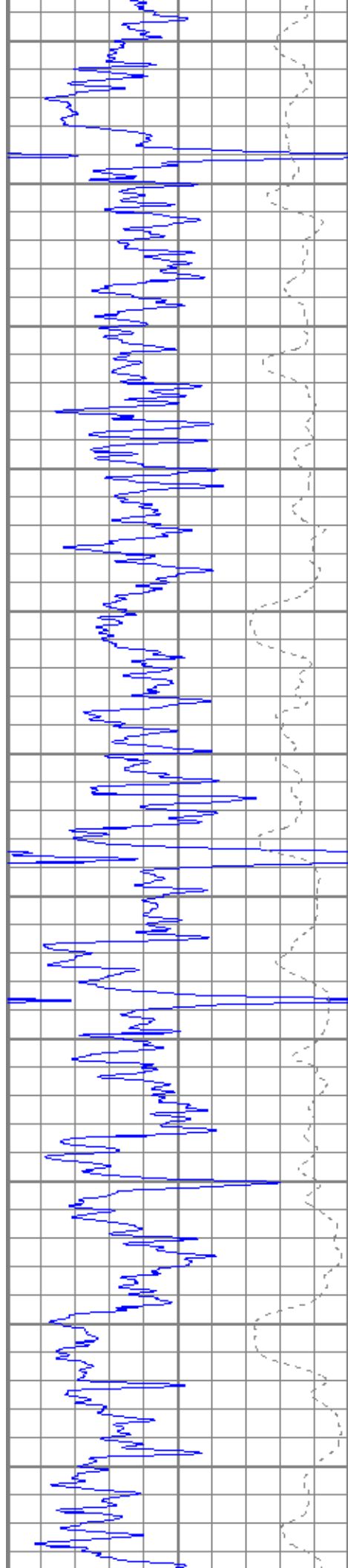


1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700









2850

2900

2950

3000

3050

3100

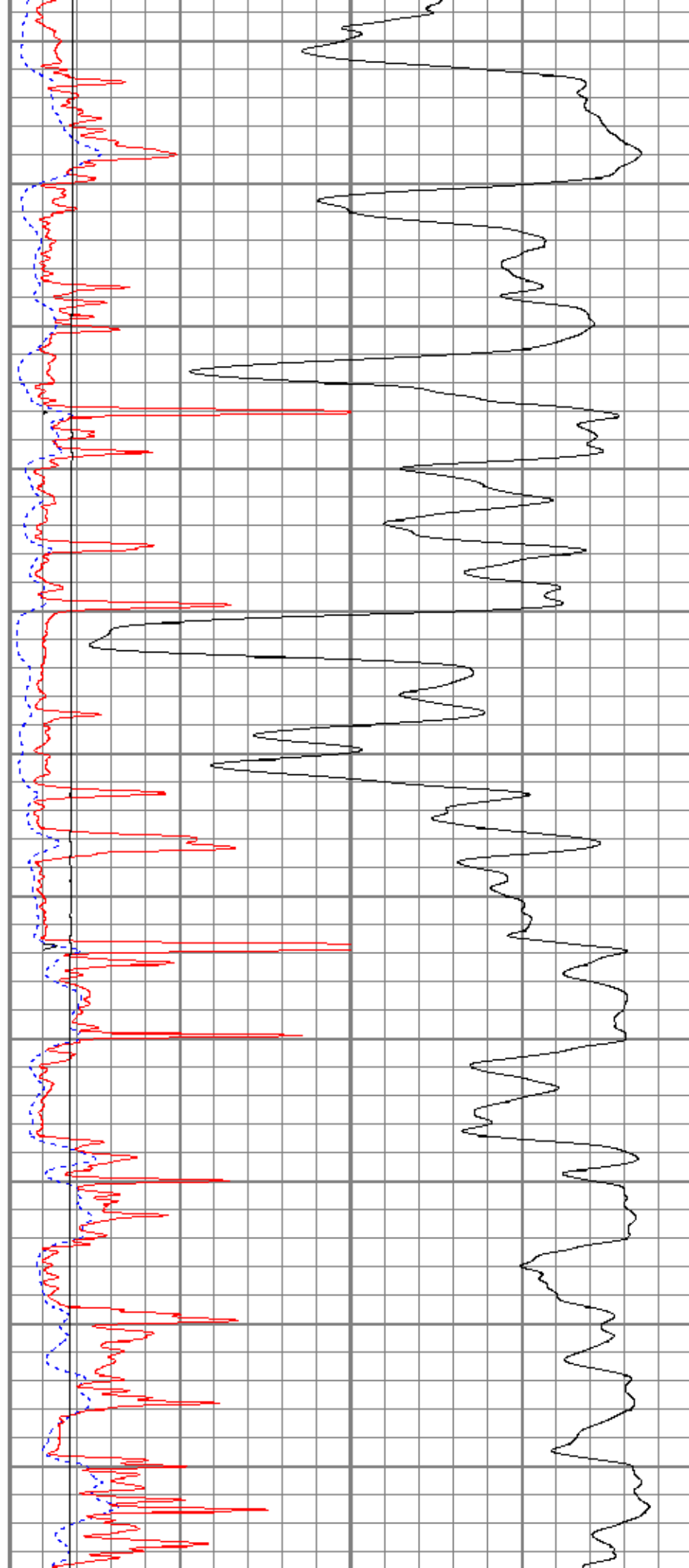
3150

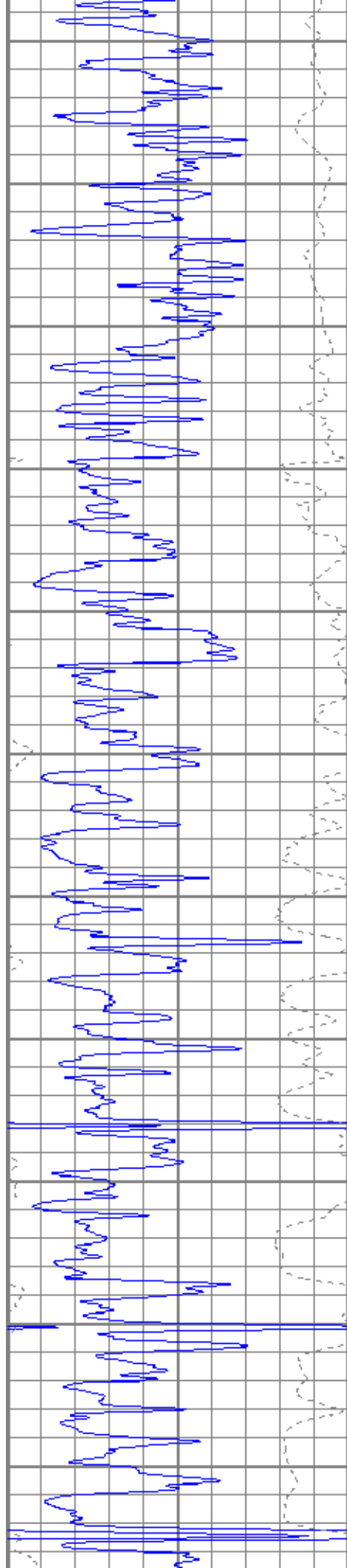
3200

3250

3300

3350





3400

3450

3500

3550

3600

3650

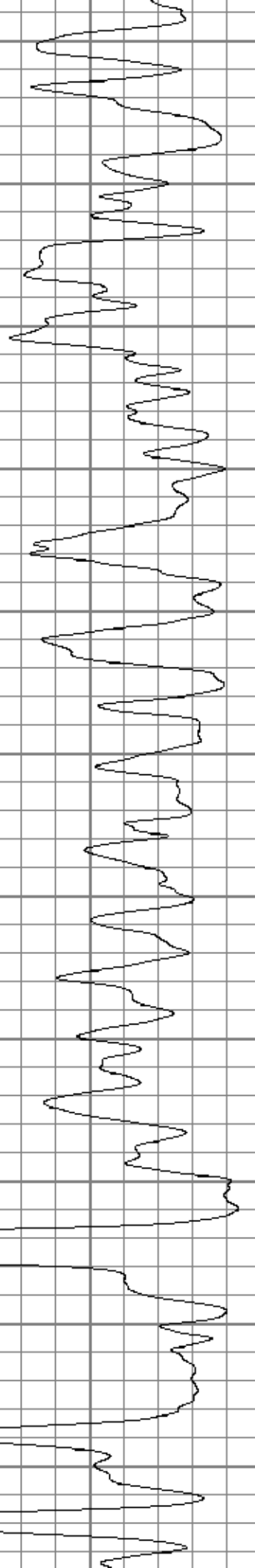
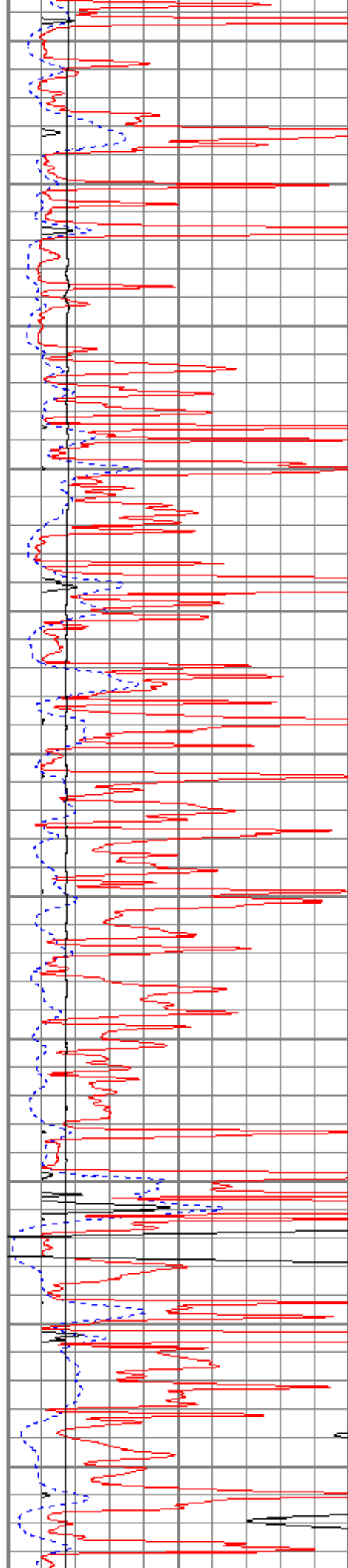
3700

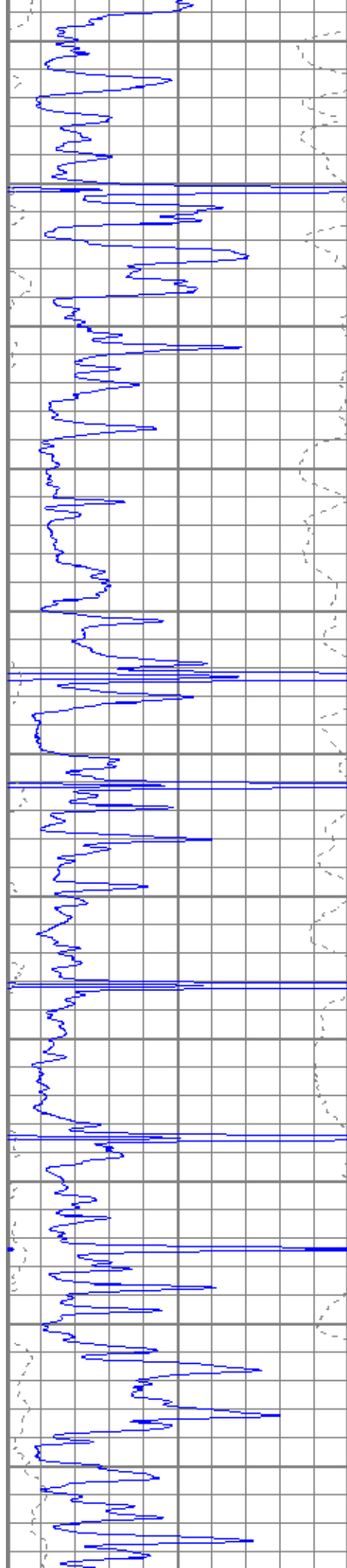
3750

3800

3850

3900





3950

4000

4050

4100

4150

4200

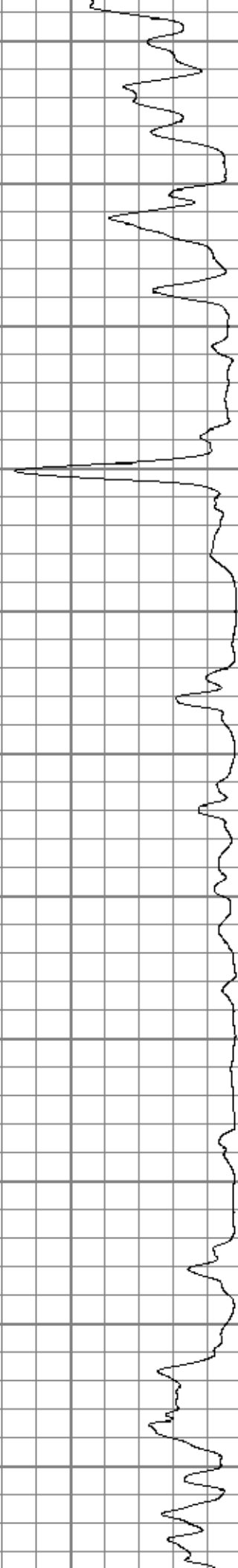
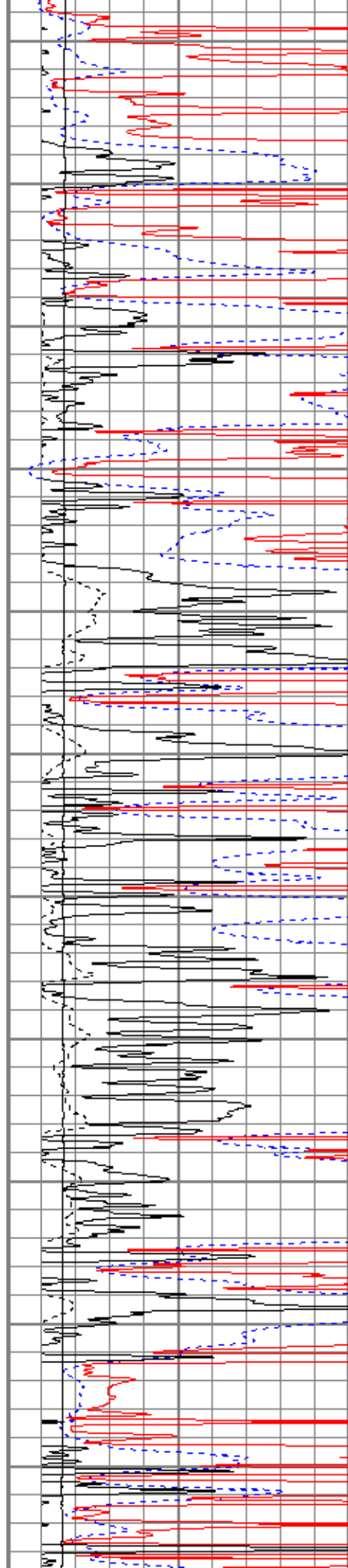
4250

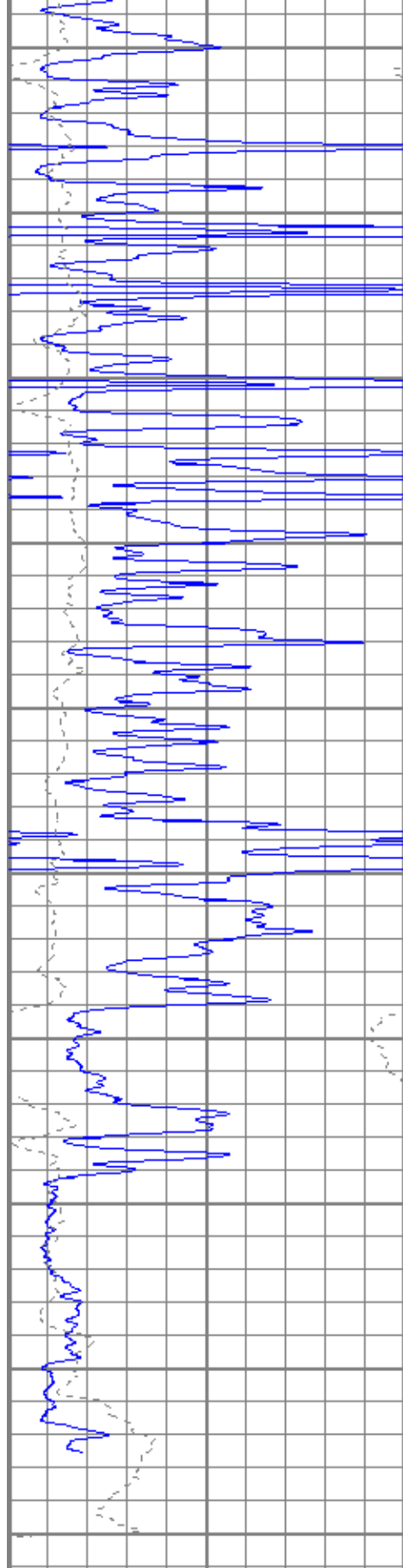
4300

4350

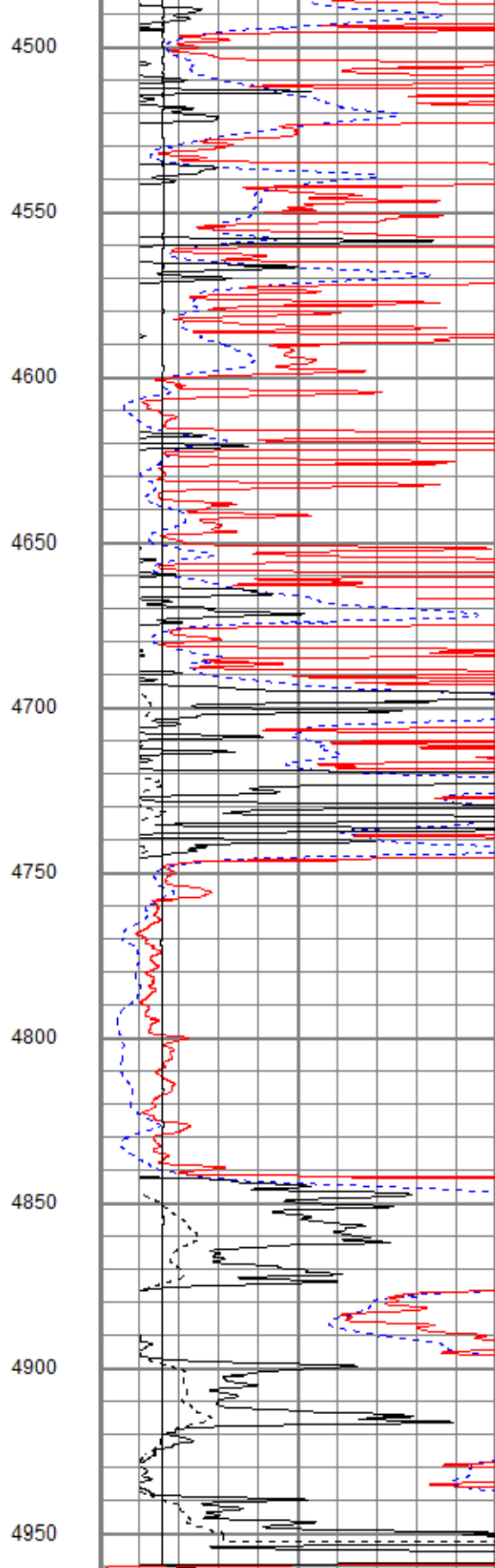
4400

4450





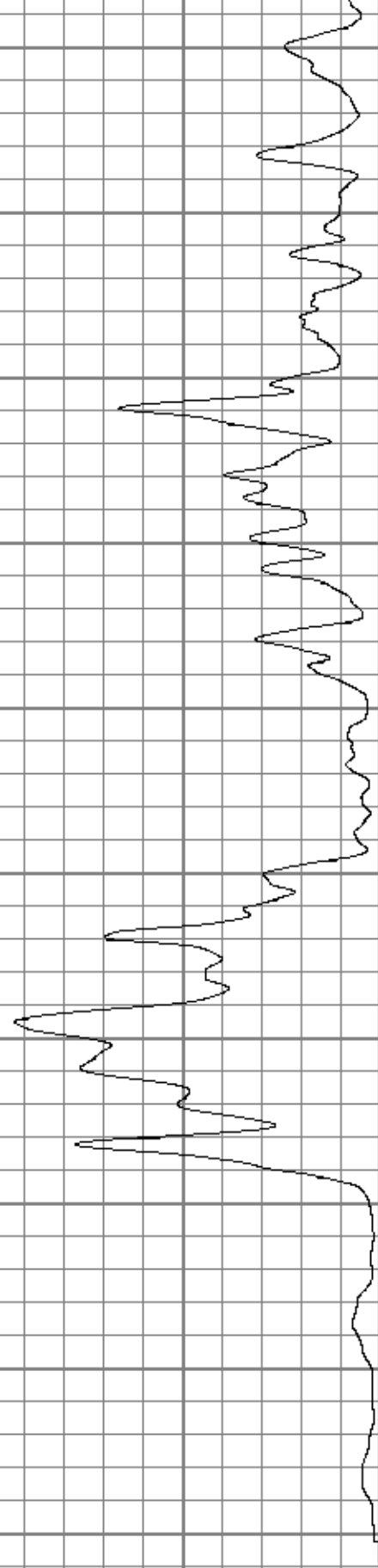
0	GR (GAPI)	150
-200	SP (mV)	0



0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50

1000	CILD (mmho/m)	0
10000	LTEN (lb)	0

50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500



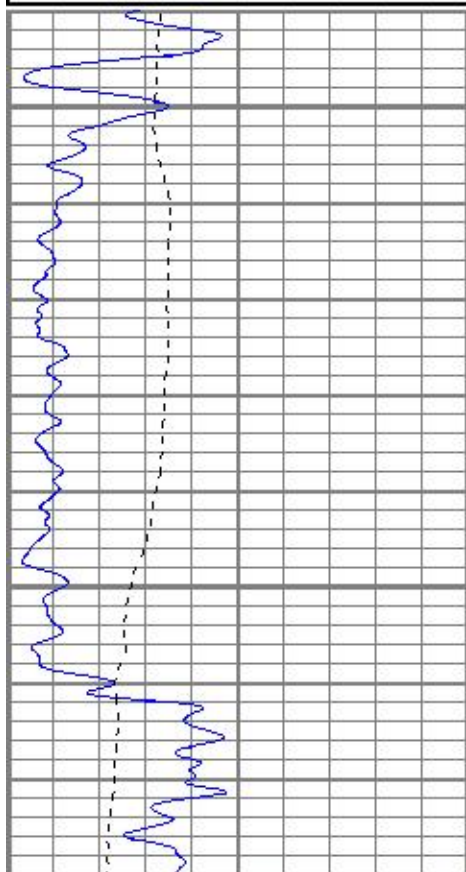


Main Pass

Database File pppickett#1oh.db
 Dataset Pathname pass2
 Presentation Format kdil
 Dataset Creation Wed Jul 15 15:43:12 2015
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



2200

2250



0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

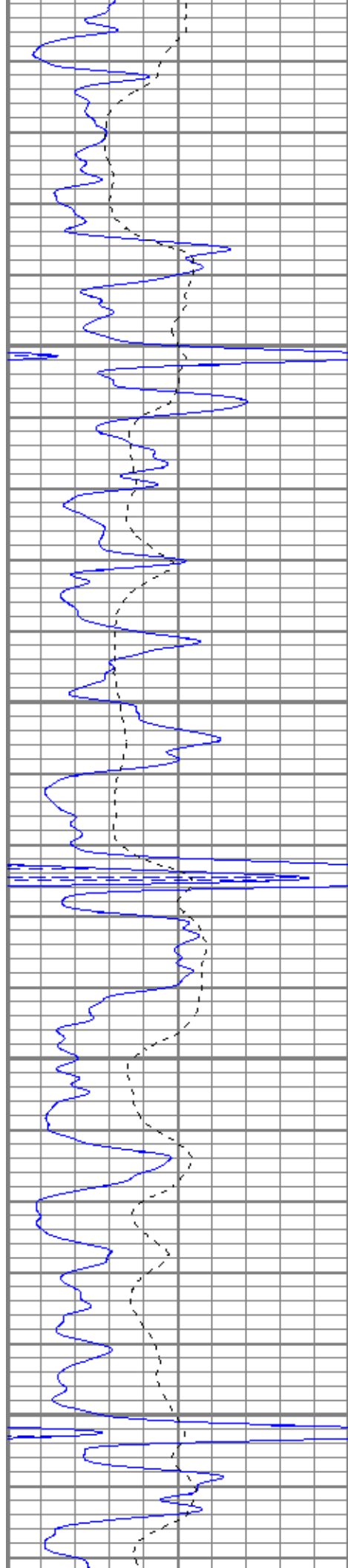


Main Pass

Database File pppickett#1oh.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Wed Jul 15 16:10:21 2015
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

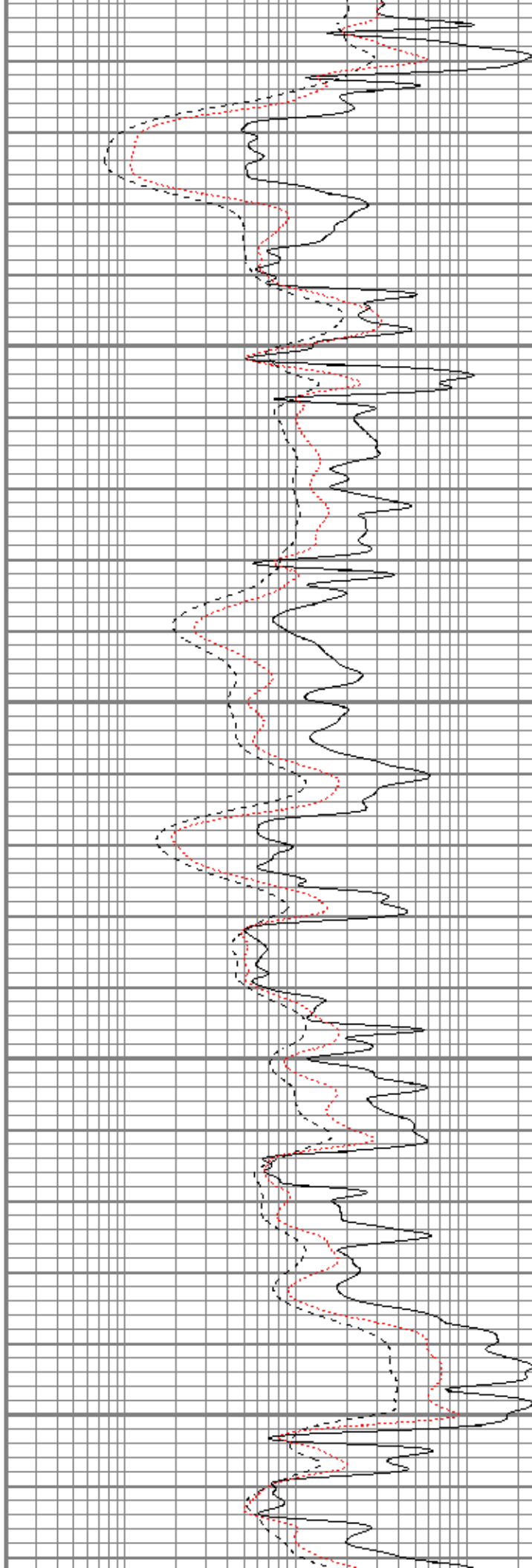


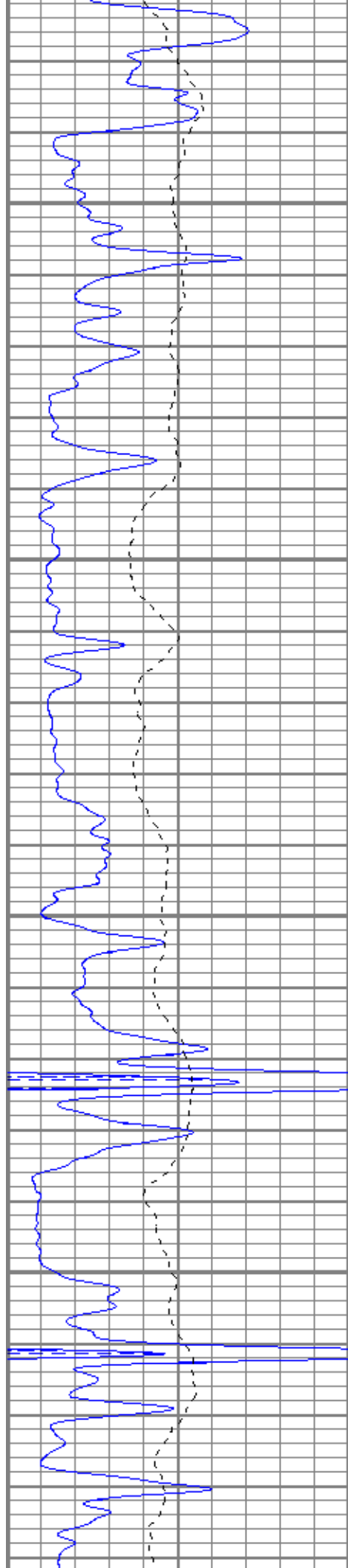
3850

3900

3950

4000



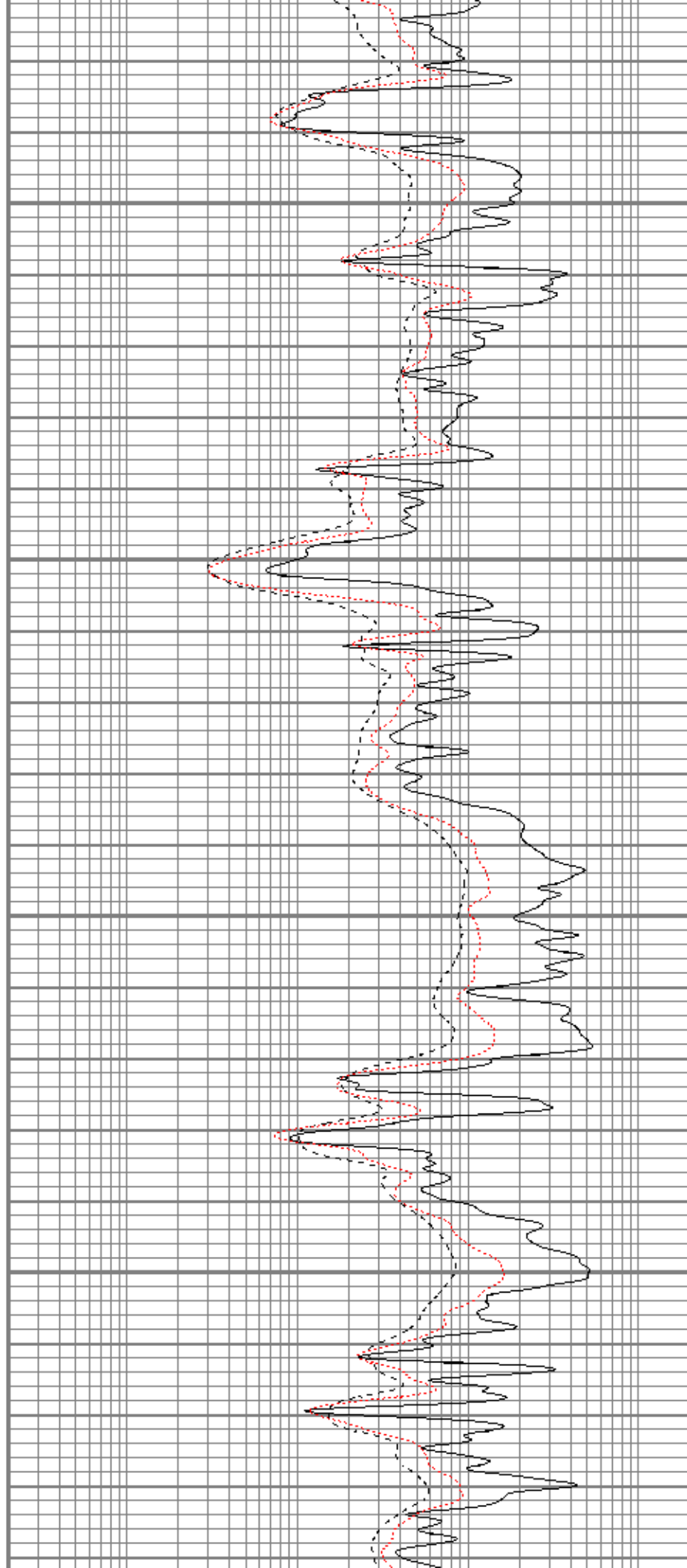


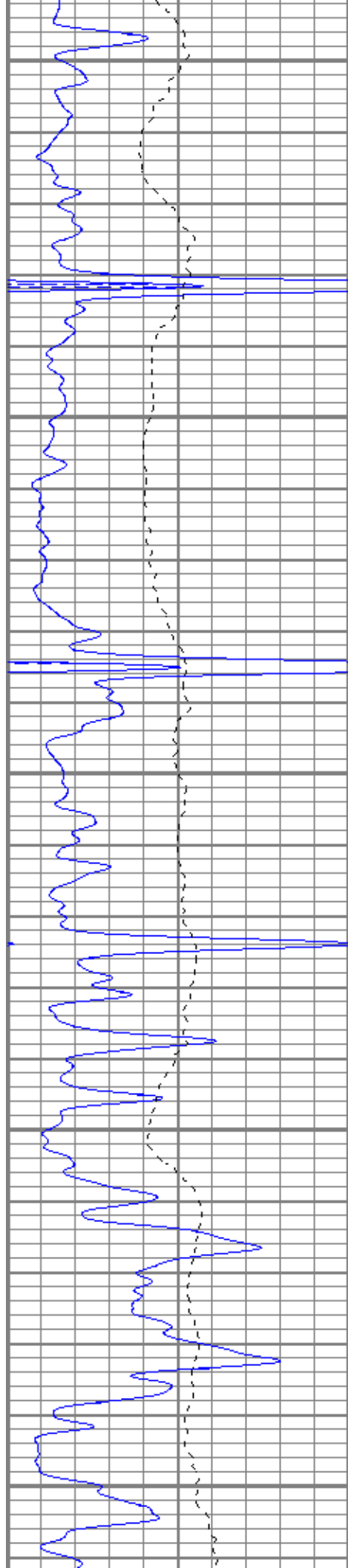
4050

4100

4150

4200





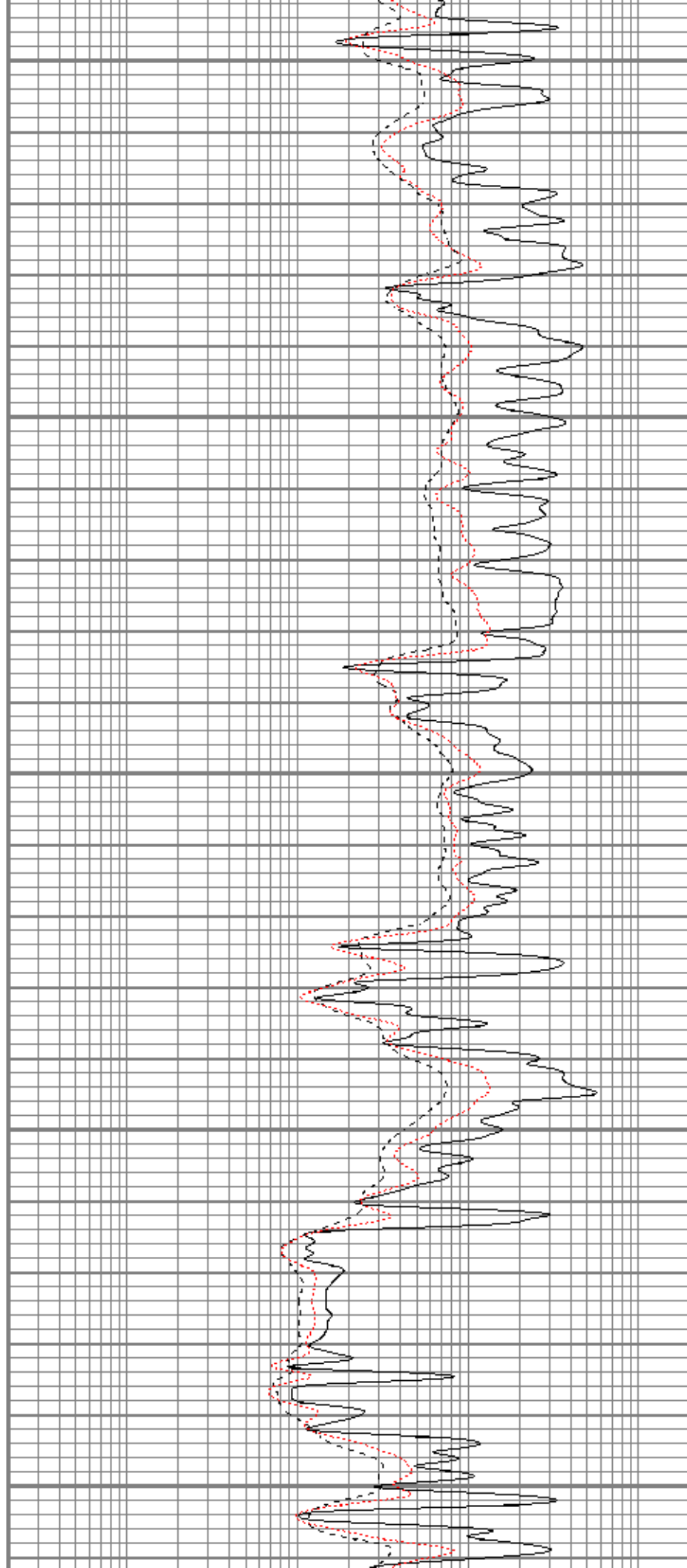
4250

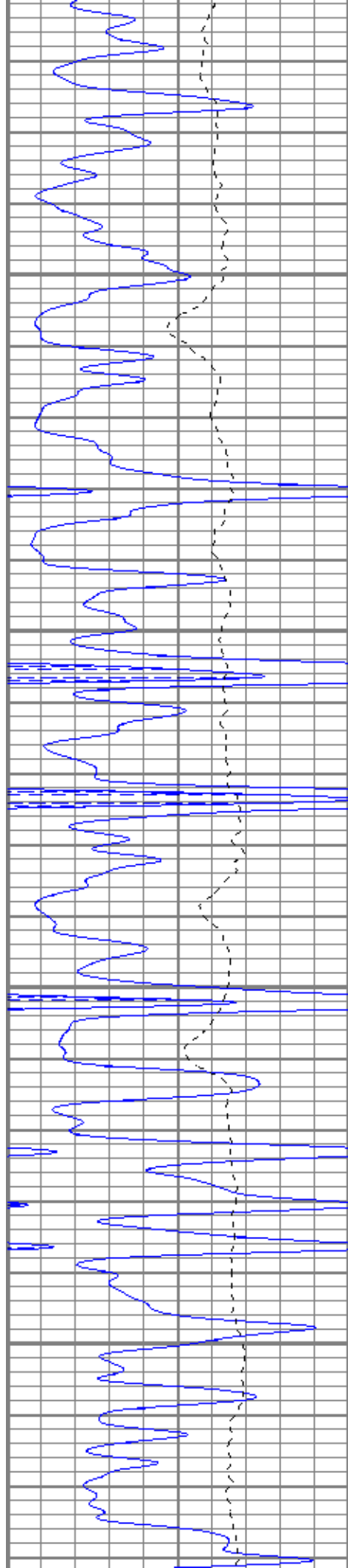
4300

4350

4400

4450



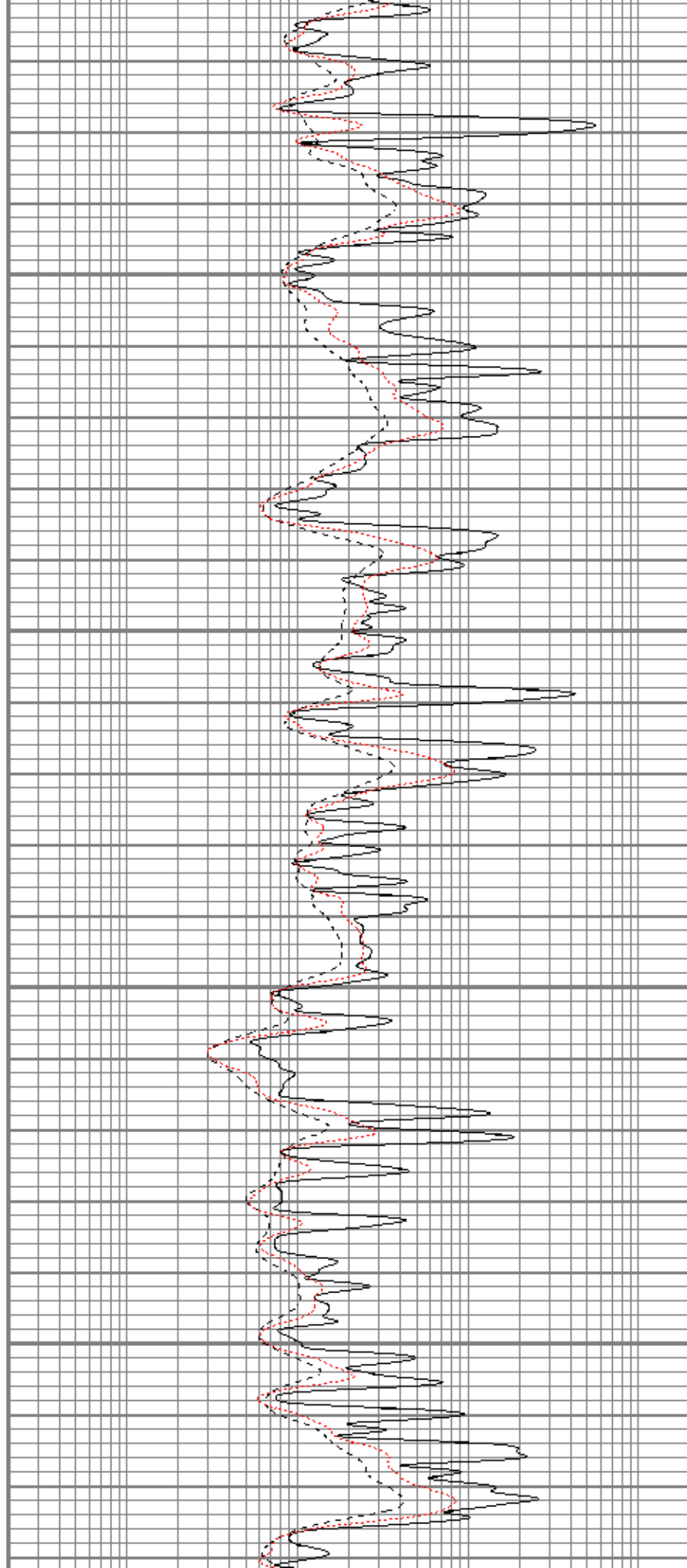


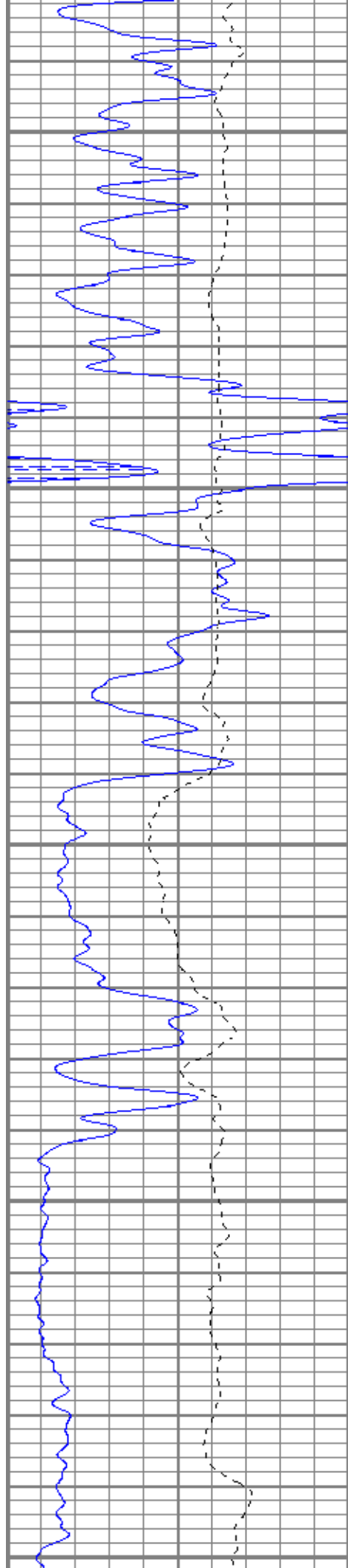
4500

4550

4600

4650





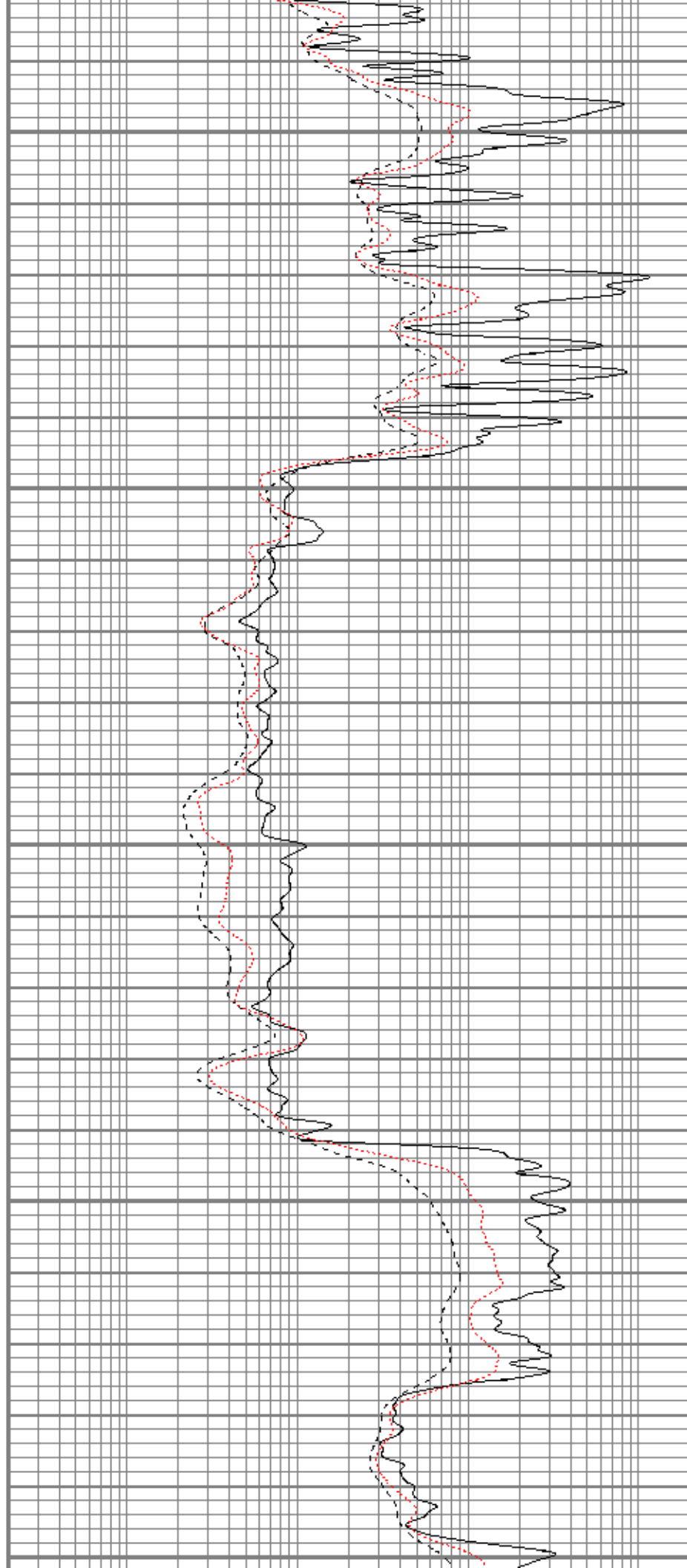
4700

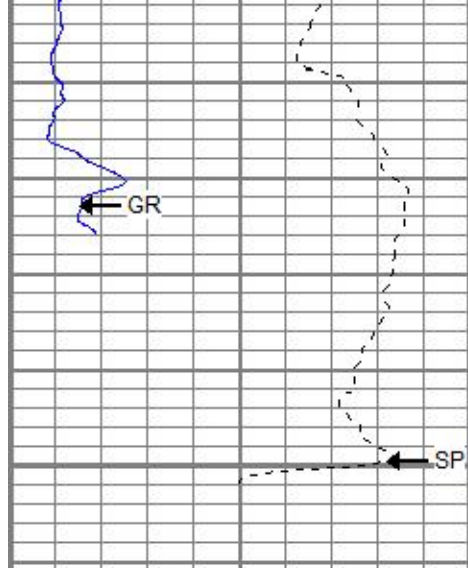
4750

4800

4850

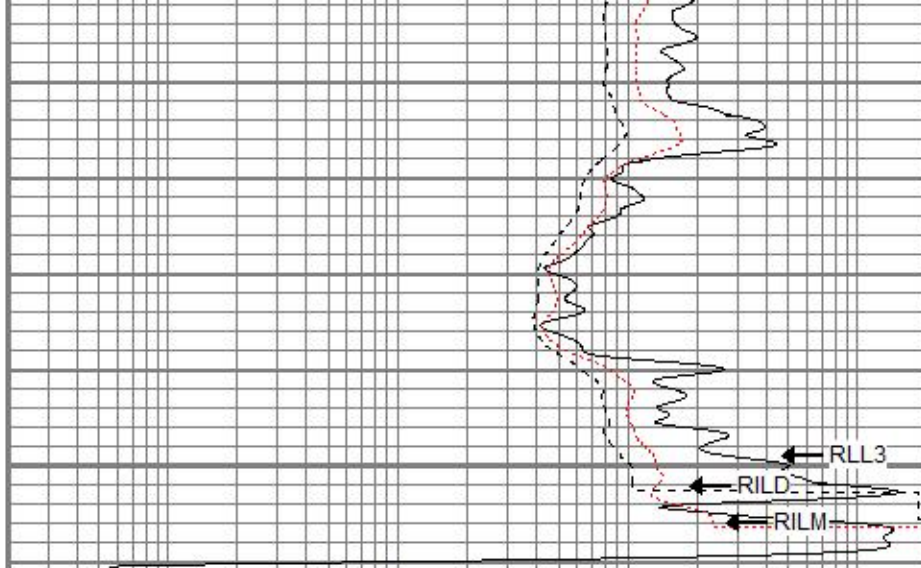
4900





4950

0	GR (GAPI)	150
-100	SP (mV)	100



0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

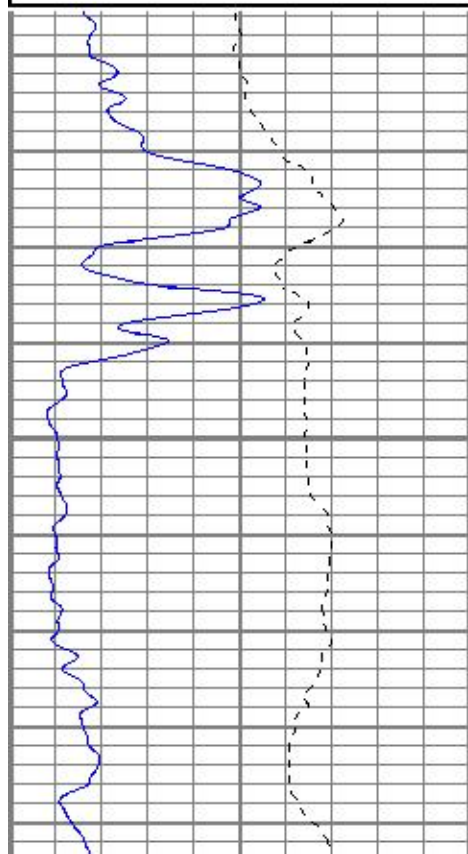


Repeat Pass

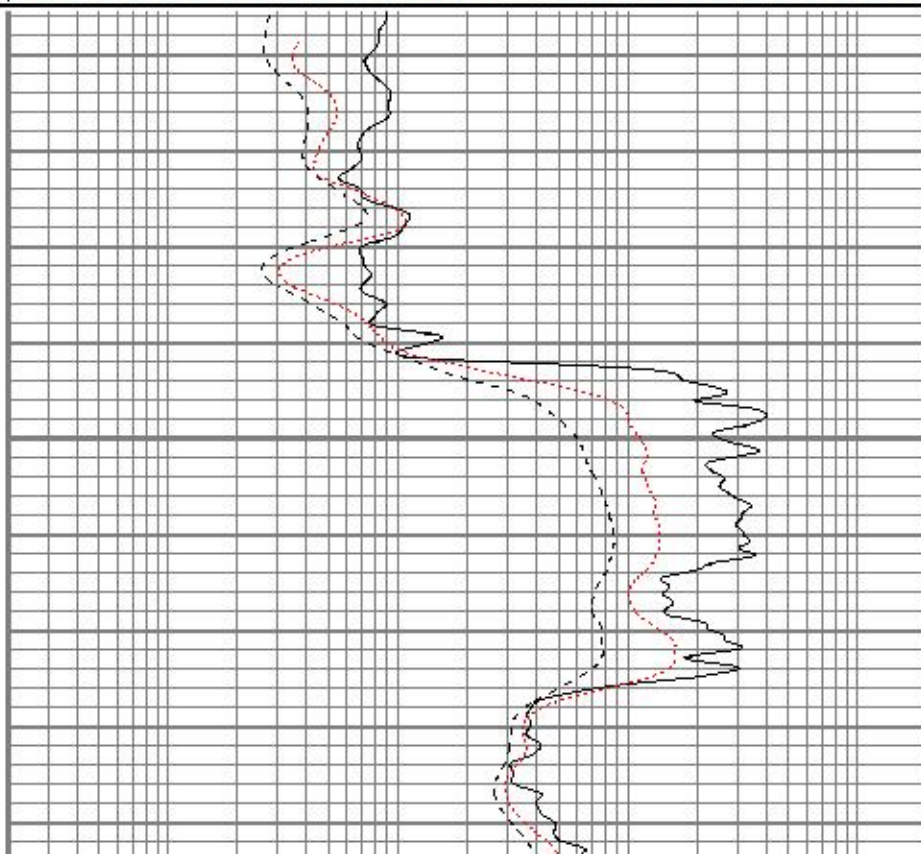
Database File pppickett#1oh.db
 Dataset Pathname pass1.1
 Presentation Format kdil
 Dataset Creation Wed Jul 15 15:54:48 2015
 Charted by Depth in Feet scaled 1:240

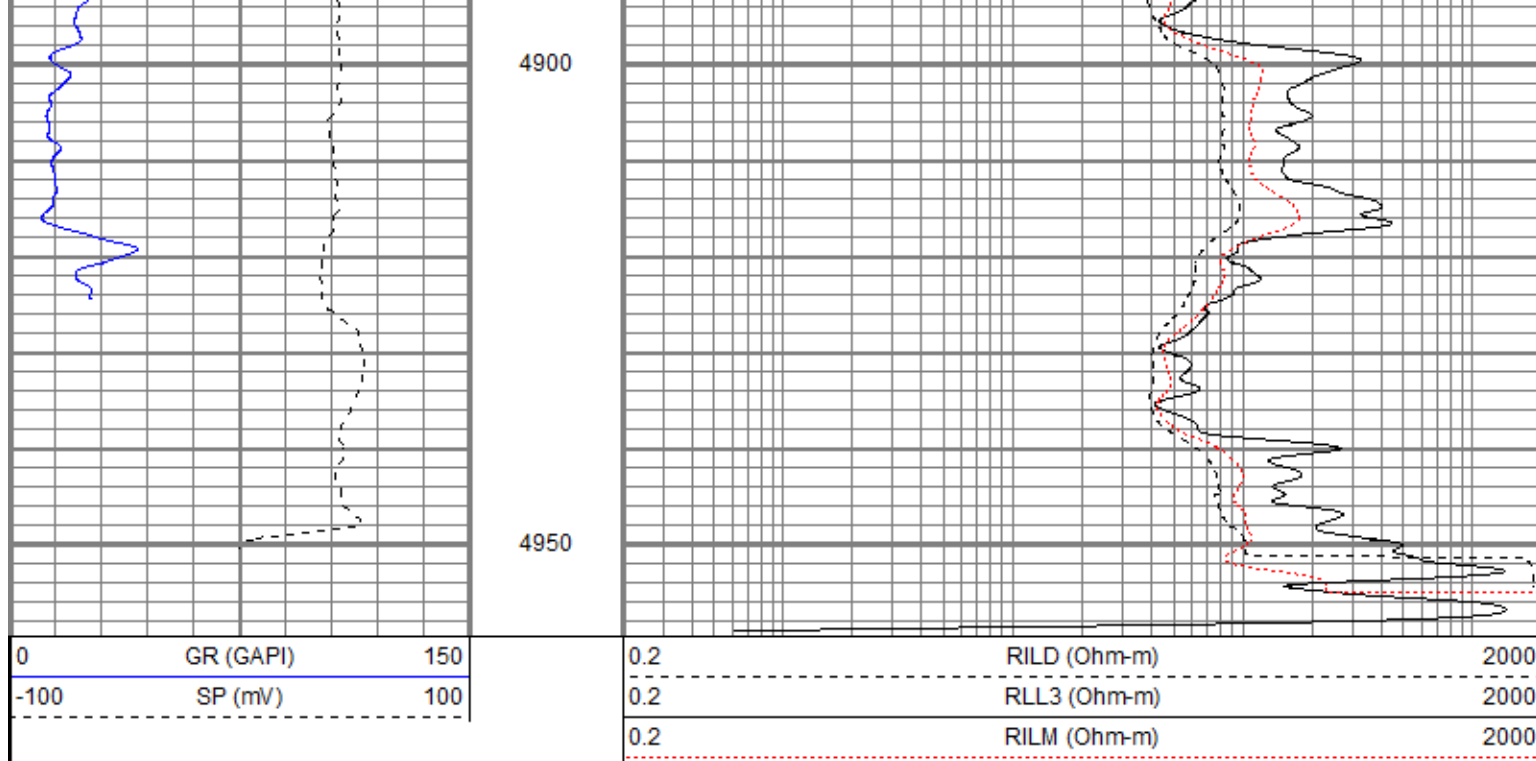
0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



4850





Calibration Report		
Database File	pppickett#1oh.db	
Dataset Pathname	pass1.1	
Dataset Creation	Wed Jul 15 15:54:48 2015	

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Wed Jul 15 10:04:43 2015
Downhole Cal Performed:	Wed Jul 15 10:04:46 2015
After Survey Verification Performed:	Tue Jan 13 10:07:19 2015

Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration								
Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	185.553	0.500

After Survey Verification								
Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473

Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Compensated Density Calibration Report								
Serial-Model:			2501DHT-DHT					
Source / Verifier:			csv-j12 /					
Master Calibration Performed:			Wed Jul 15 10:04:57 2015					
Before Survey Verification Performed:								
After Survey Verification Performed:								
Master Calibration								
	<u>Density</u>			<u>Far Detector</u>		<u>Near Detector</u>		
Magnesium	1.750	g/cc		711.36		284.22	cps	
Aluminum	2.660	g/cc		133.07		183.42	cps	
Spine Angle = 75.36			Density/Spine Ratio = 0.525					
	<u>Size</u>			<u>Reading</u>				
Small Ring	7.60	in		6234.28				
Large Ring	14.00	in		10469.70				
Before Survey Verification								
	<u>Target</u>			<u>Measured</u>				
		g/cc		g/cc				
		g/cc		g/cc				
		g/cc		g/cc				
After Survey Verification								
	<u>Target</u>			<u>Measured</u>				
		g/cc		g/cc				
		g/cc		g/cc				
		g/cc		g/cc				
Gamma Ray Calibration Report								
Serial Number:			2000					
Tool Model:			P2000					
Performed:			Wed Jul 15 10:05:06 2015					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.2200		GAPI/cps			
Neutron Calibration Report								
Serial Number:			5108					
Tool Model:			PROBE					
Performed:			Wed Jul 15 10:05:09 2015					
Calibrator Value:			1		NAPI			
Calibrator Reading:			1		cps			
Sensitivity:			1		NAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	38.37		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00

