



DUAL INDUCTION LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Rocket Science #1	Well	Rocket Science #1
Field	Repshire SE	Field	Repshire SE
County	Lane	County	Lane
State	Kansas	State	Kansas
Location:	API # : 15 101 22454 197' FSL & 2511' FEL		Other Services CDNL ML
Permanent Datum	SEC 23 TWP 17S RGE 27W	Elevation	2606'
Log Measured From	KB 5' AGL	Elevation	K.B. 2611' D.F. 2610' G.L. 2606'
Drilling Measured From	KB		
Date	7-25-13		
Run Number	One		
Depth Driller	4658'		
Depth Logger	4654'		
Bottom Logged Interval	4652'		
Top Log Interval	3600'		
Casing Driller	8 5/8" @ 218'		
Casing Logger	218'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	48/54		
pH / Fluid Loss	10.0/8.4		
Source of Sample	Pit		
Rm @ Meas. Temp	.75@80degf		
Rmf @ Meas. Temp	.6@80degf		
Rmc @ Meas. Temp	.96@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.5@120degf		
Time Circulation Stopped	7:00 p.m.		
Time Logger on Bottom	9:15 p.m.		
Maximum Recorded Temperature	120degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	L. Smith		
Witnessed By	Mr. Ryan Seib		

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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.

Comments

Thanks for using Gemini Wireline LLC
785-625-1182

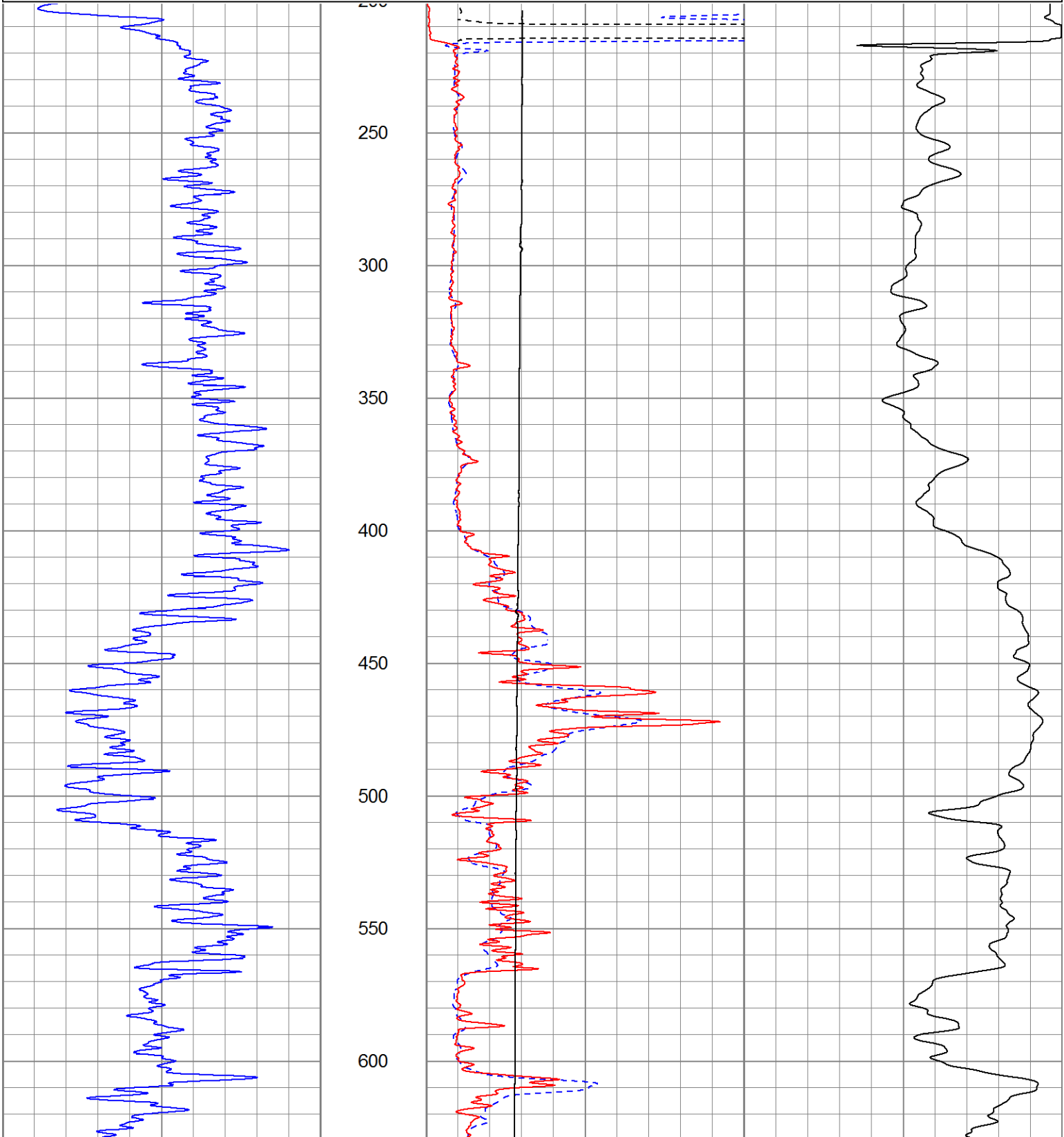
West of Beeler, W to Turkey Red Rd., H cross 2 cattle guards, at 1st tank battery go E stay on main rd. past another tank battery then follow rd. SE approx. 2 miles

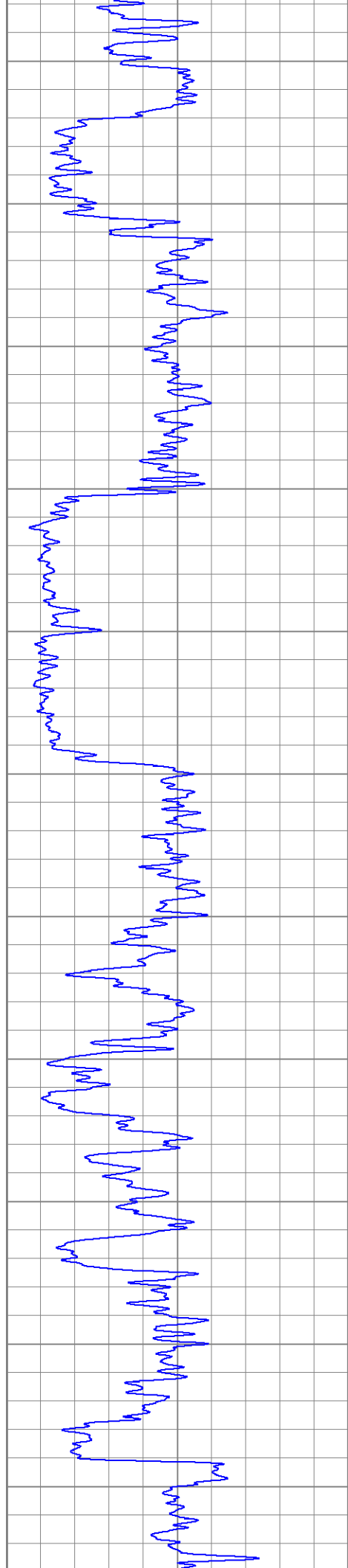


Main Pass

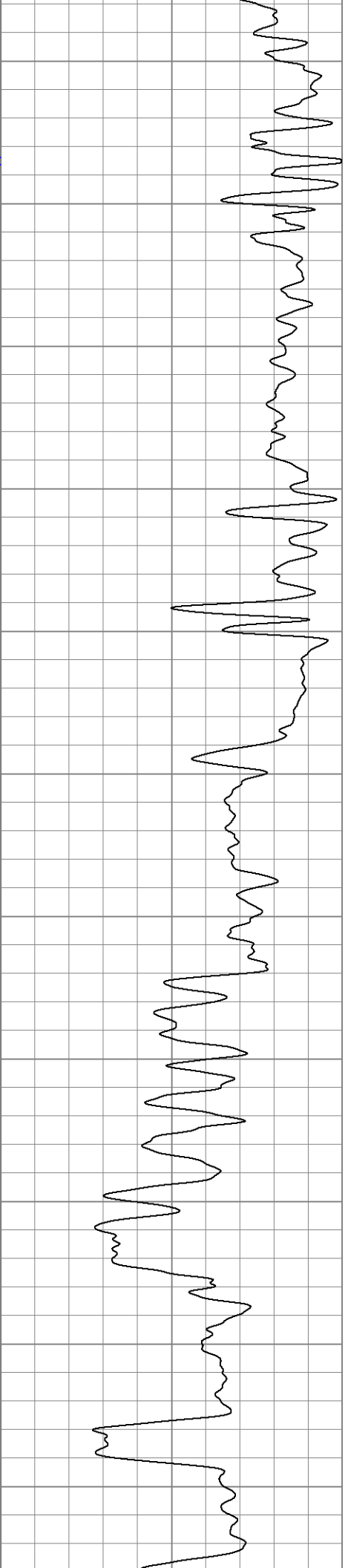
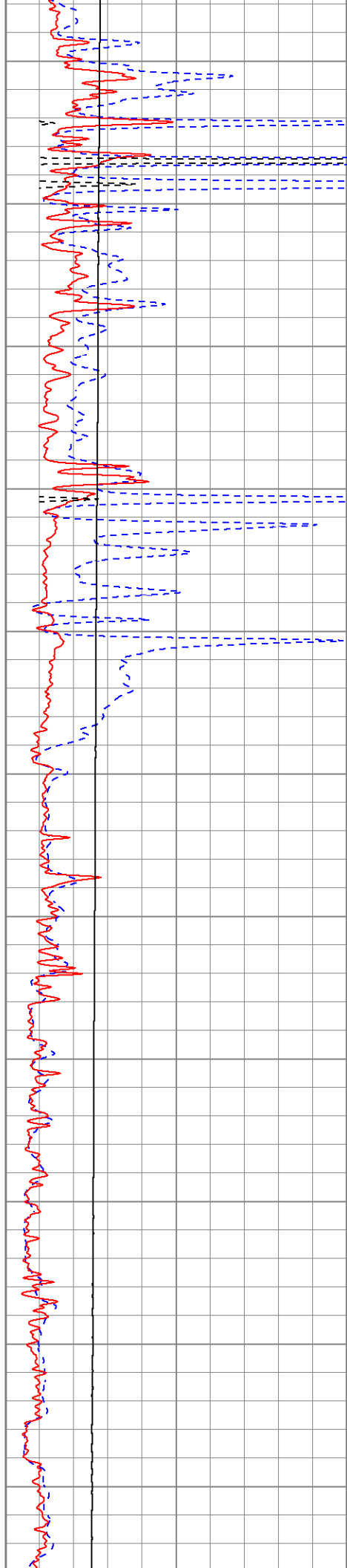
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Dataset Pathname	pass2
Presentation Format	kdillinn
Dataset Creation	Sun Aug 04 21:27:08 2013
Charted by	Depth in Feet scaled 1:600

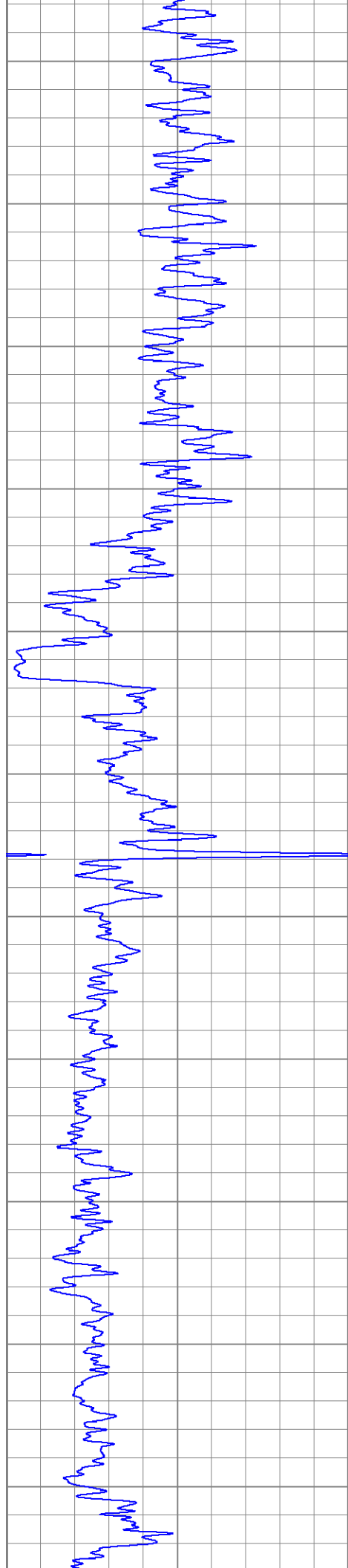
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			0	RLL3 (Ohm-m)	50	
			1000		CILD (mmho/m)	0
			10000		LTEN (lb)	0
			50	RILD x 10 (Ohm-m)	500	
			50	RLL3 x 10 (Ohm-m)	500	



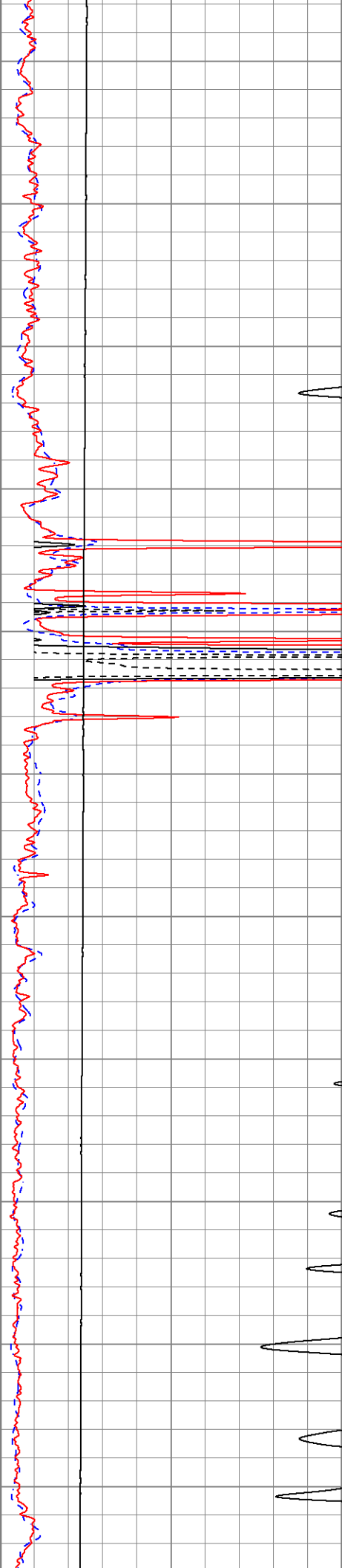


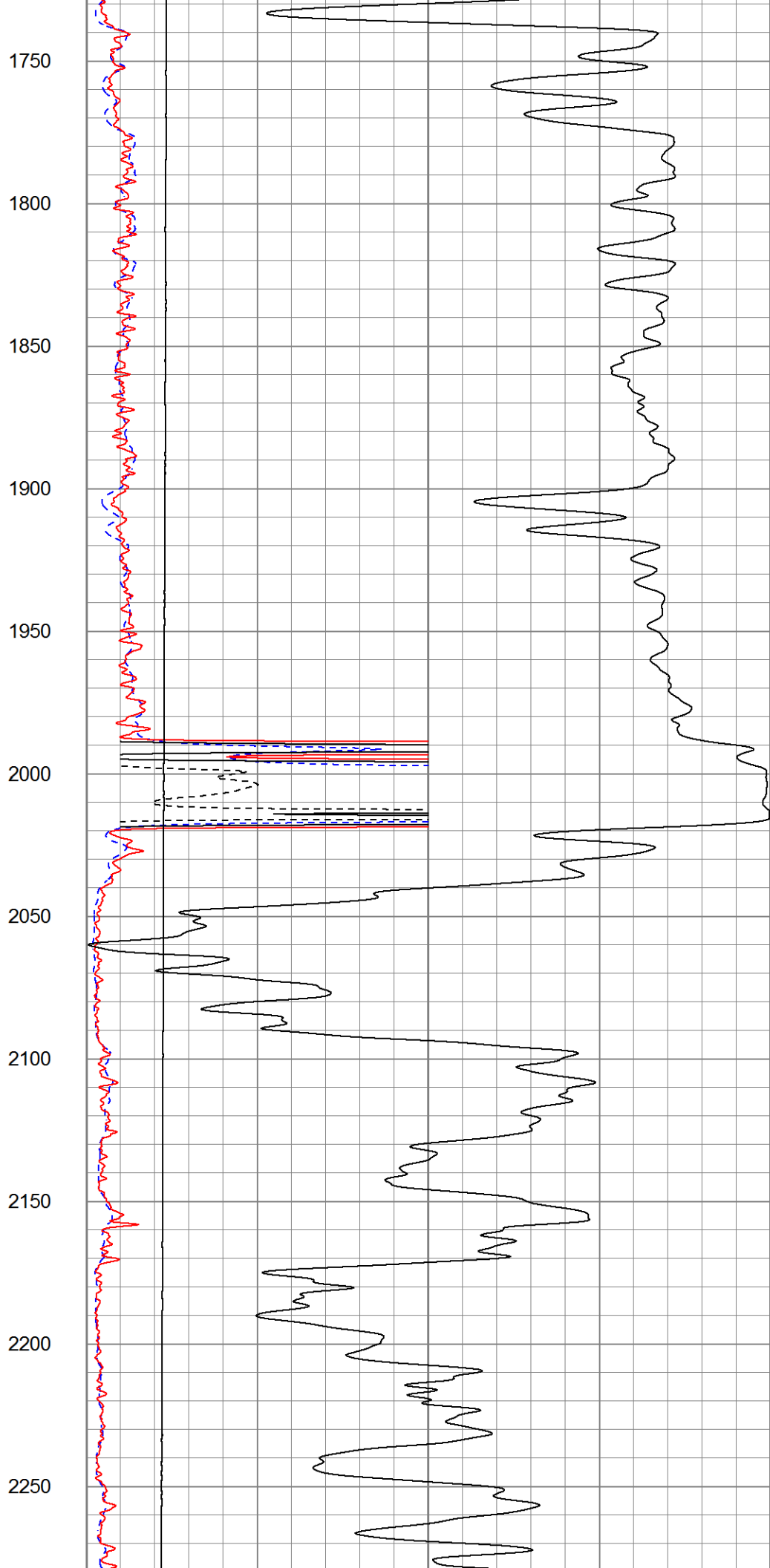
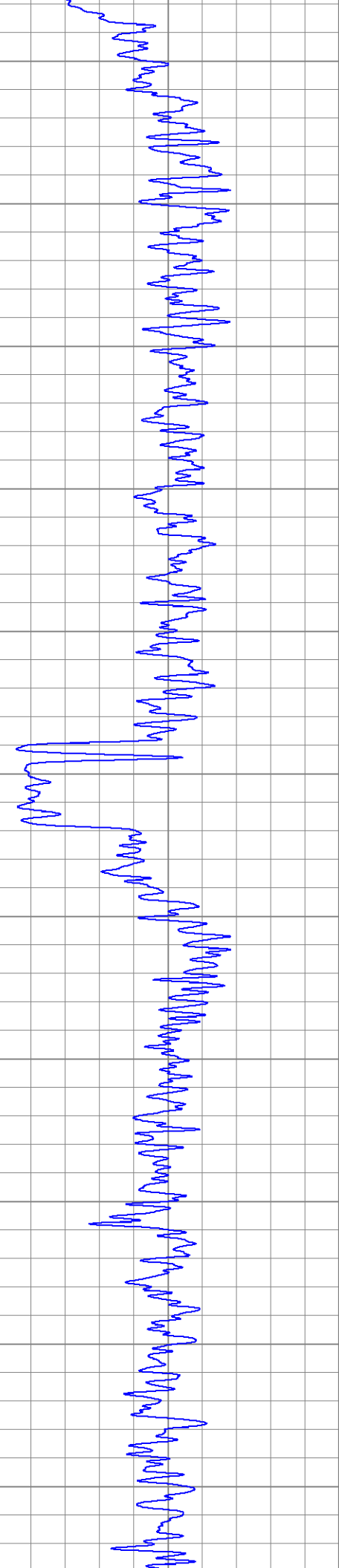
650
700
750
800
850
900
950
1000
1050
1100
1150

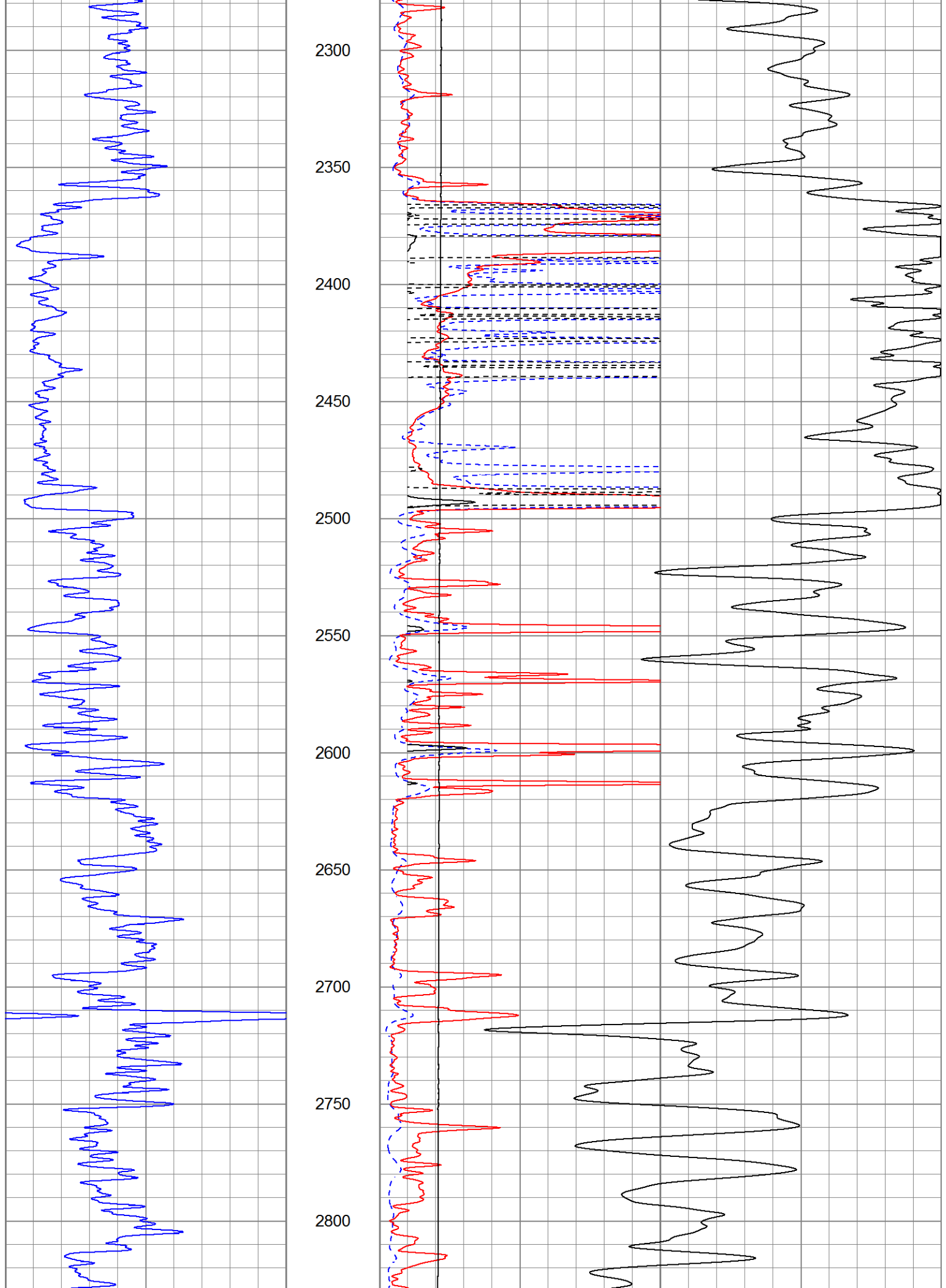


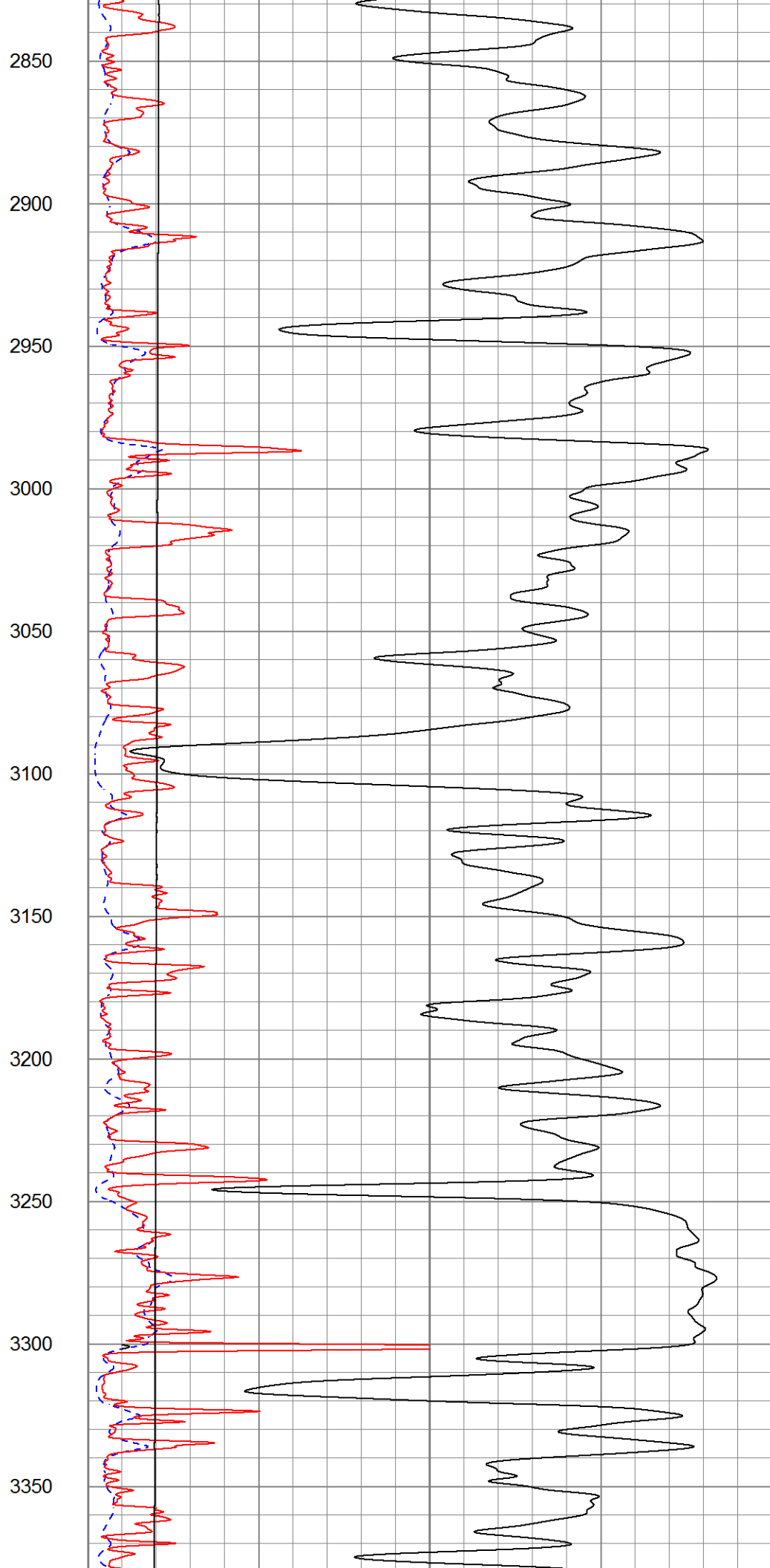
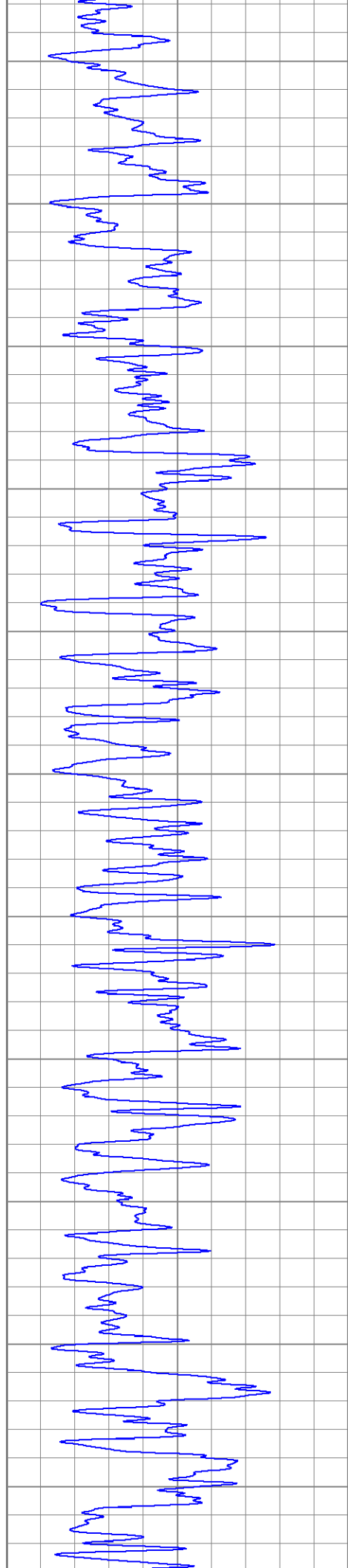


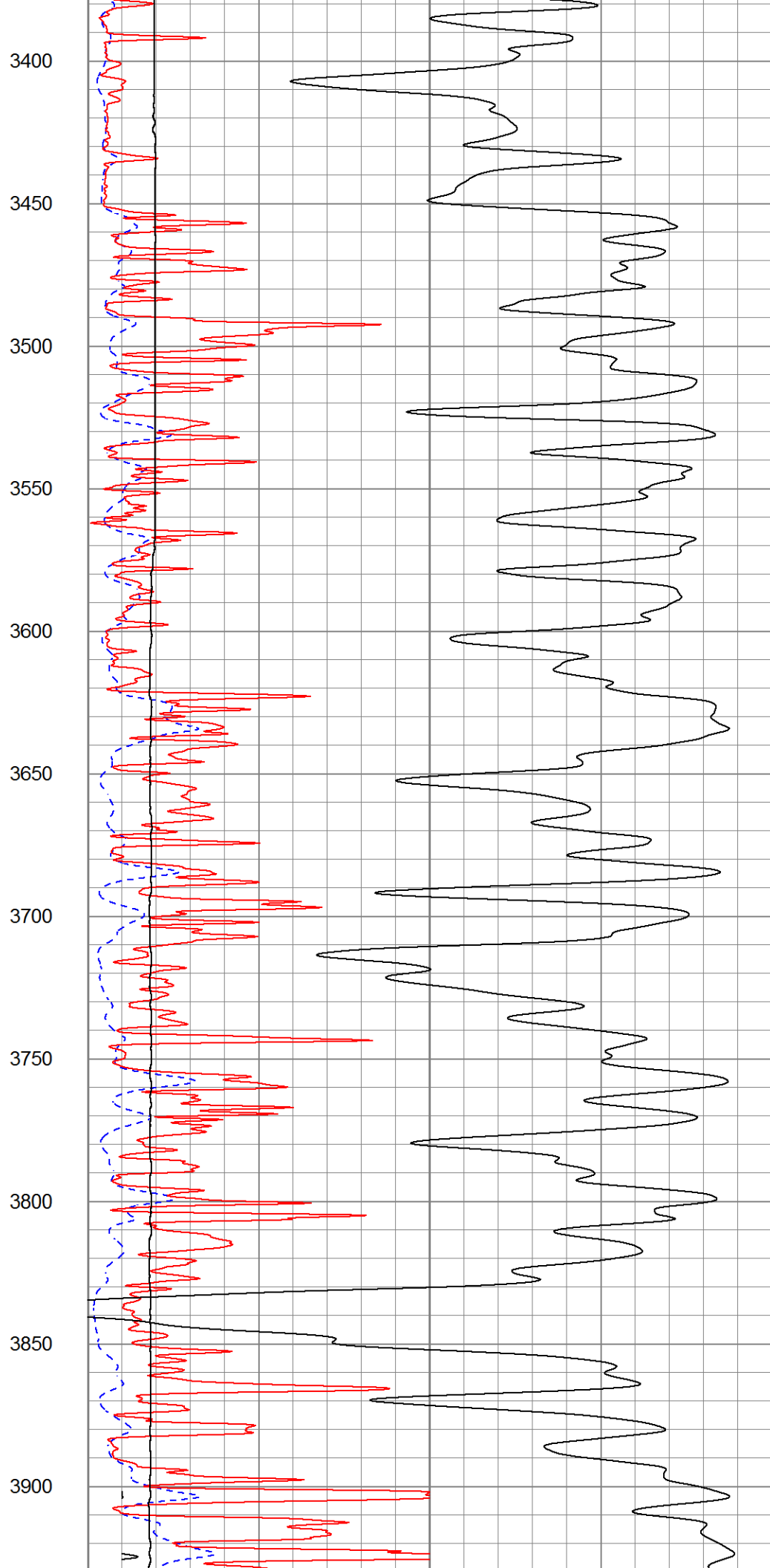
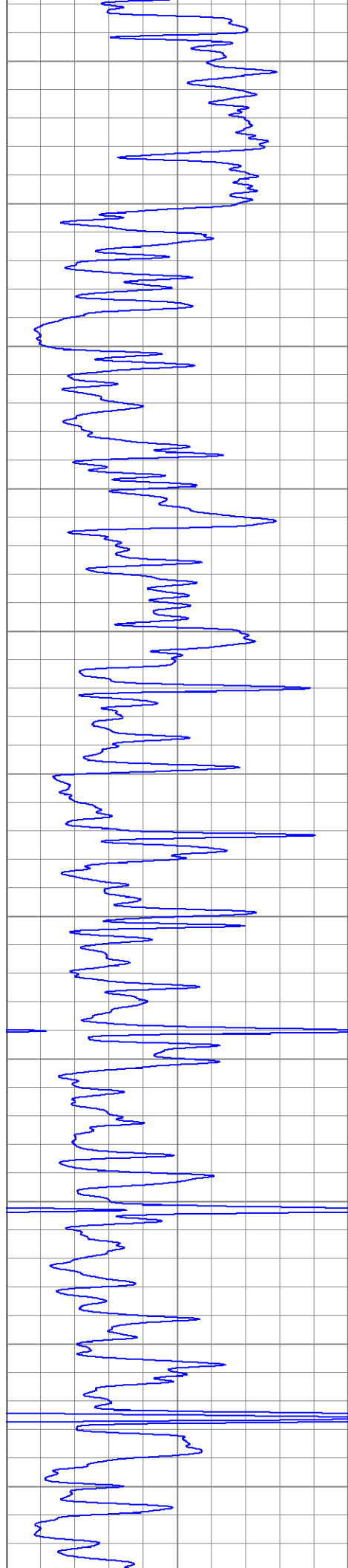
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700

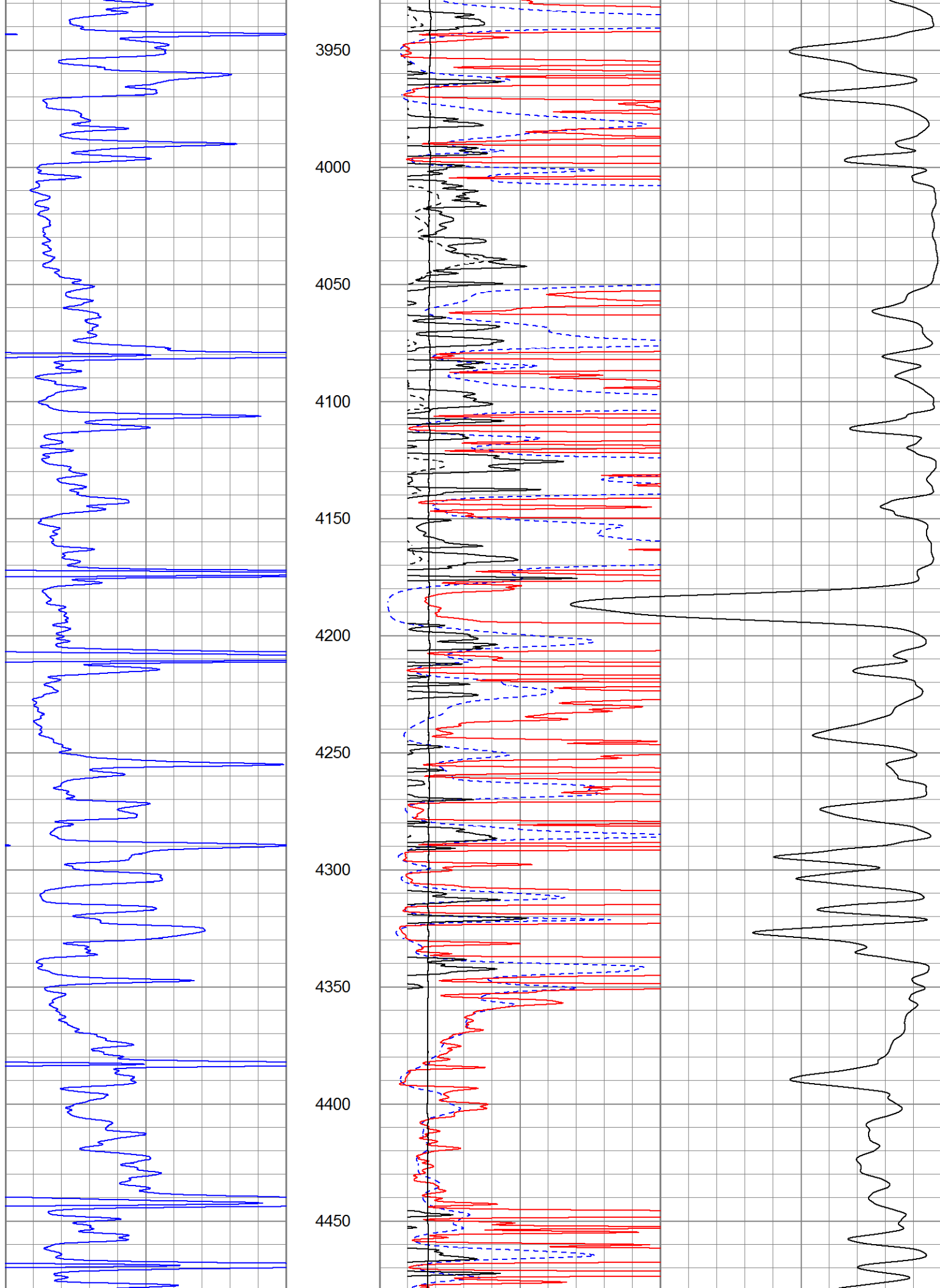


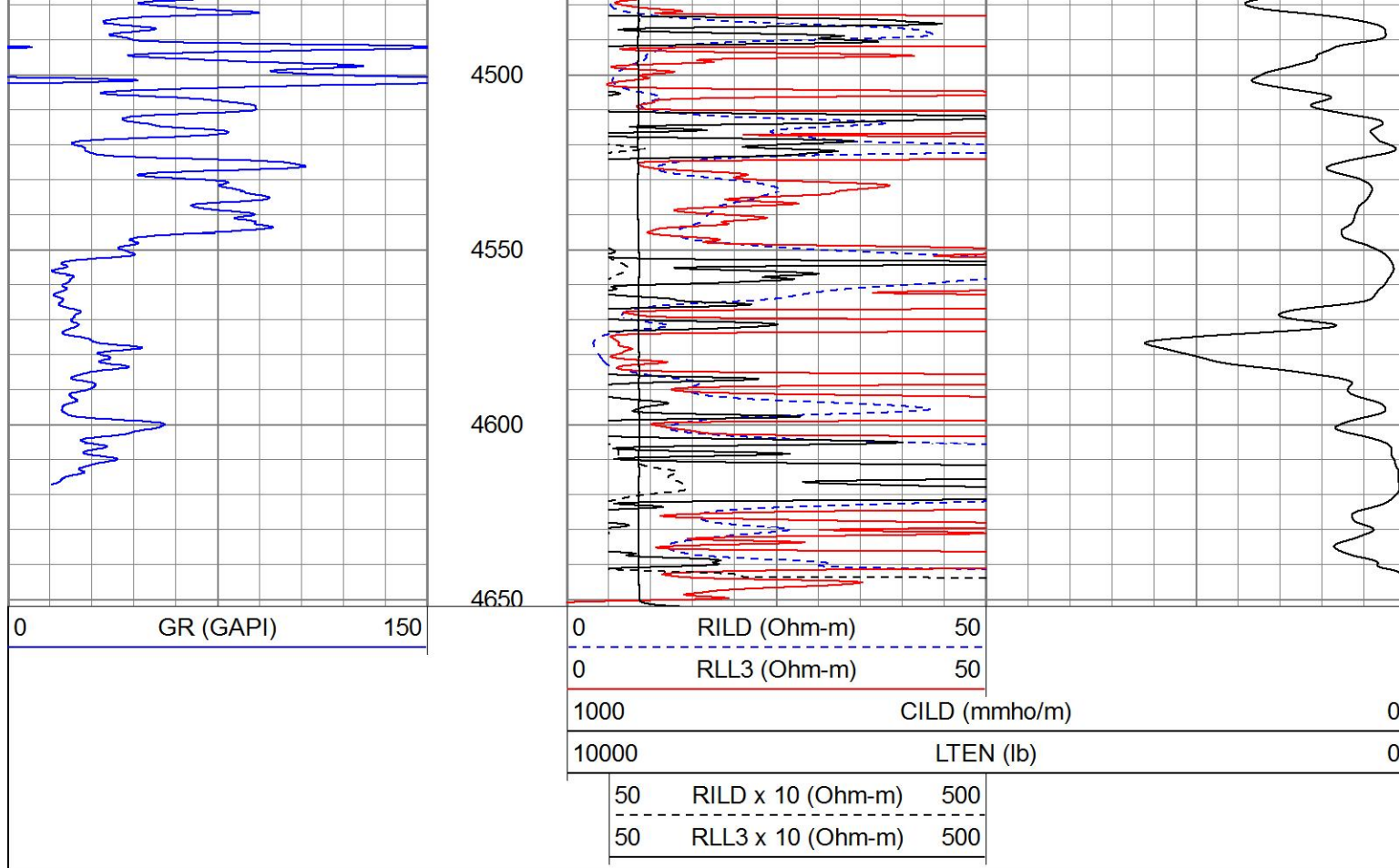








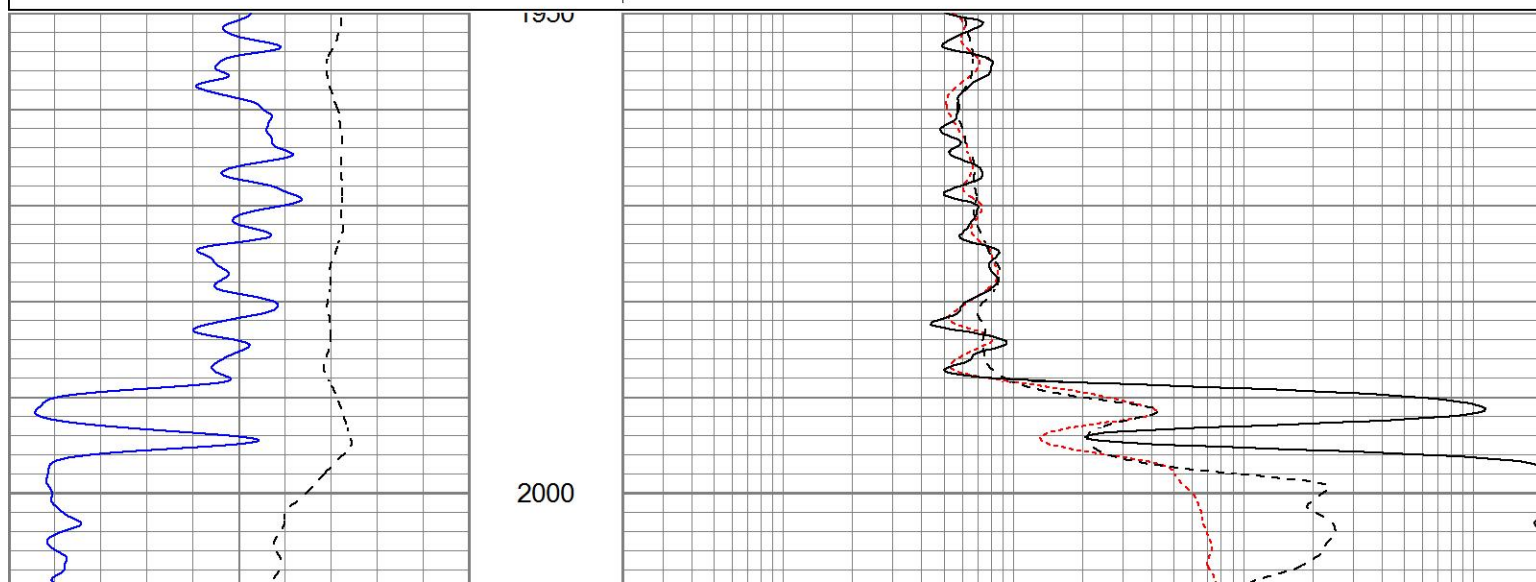


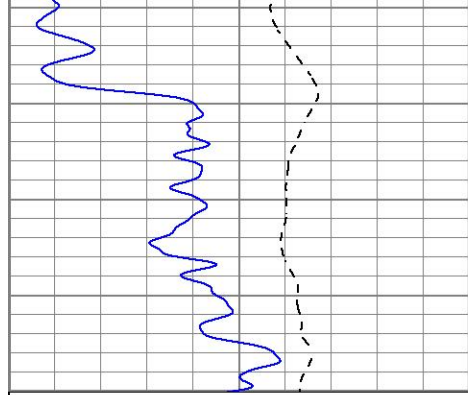


Main Pass

Database File pprocketscience#1oh.db
 Dataset Pathname pass2
 Presentation Format kdil
 Dataset Creation Sun Aug 04 21:27:08 2013
 Charted by Depth in Feet scaled 1:240

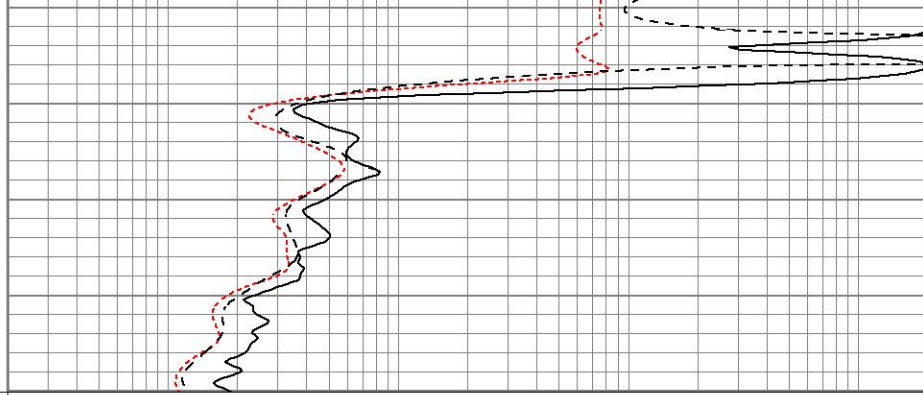
0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000





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

2050



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

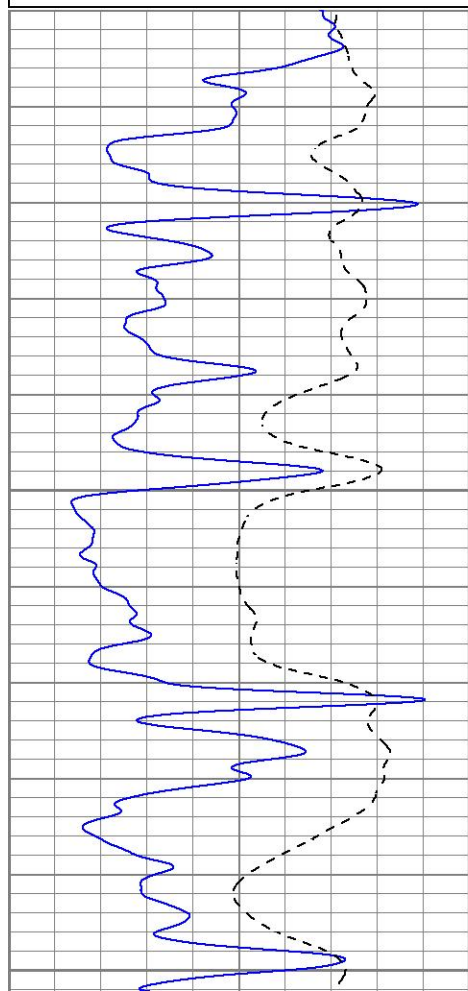


Main Pass

Database File pprocketscience#1oh.db
 Dataset Pathname pass2
 Presentation Format kdil
 Dataset Creation Sun Aug 04 21:27:08 2013
 Charted by Depth in Feet scaled 1:240

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

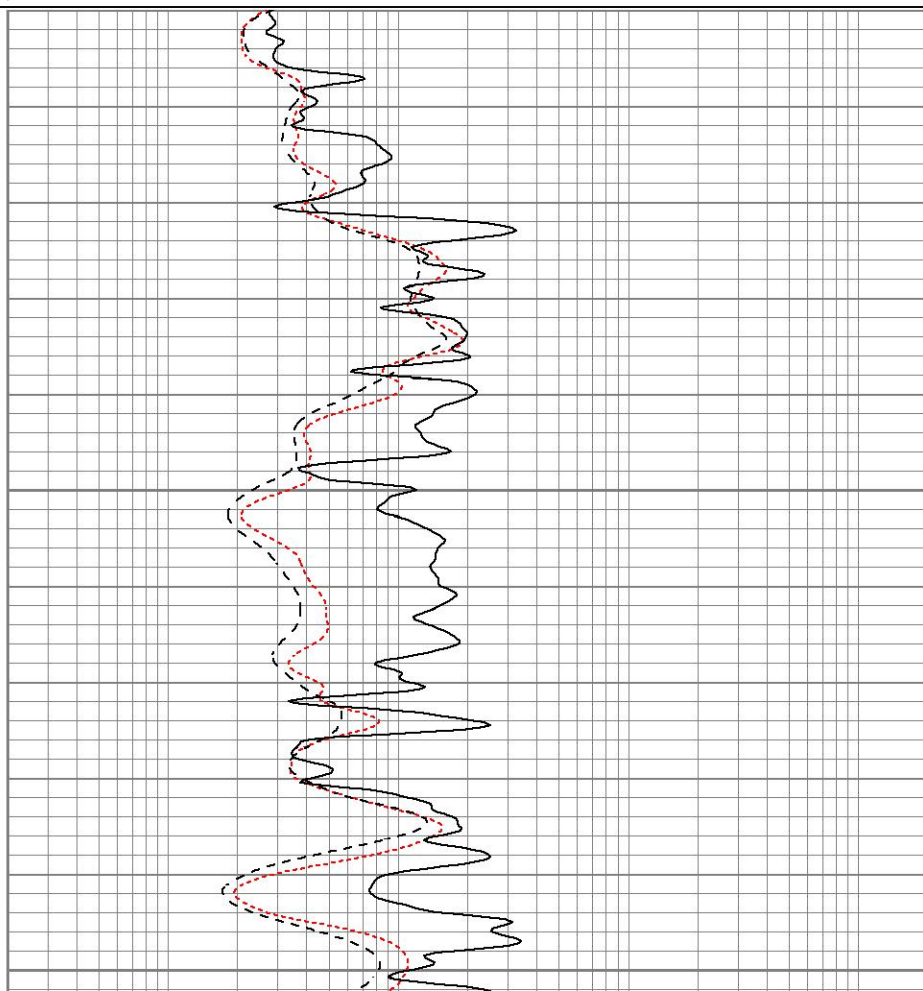
0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000

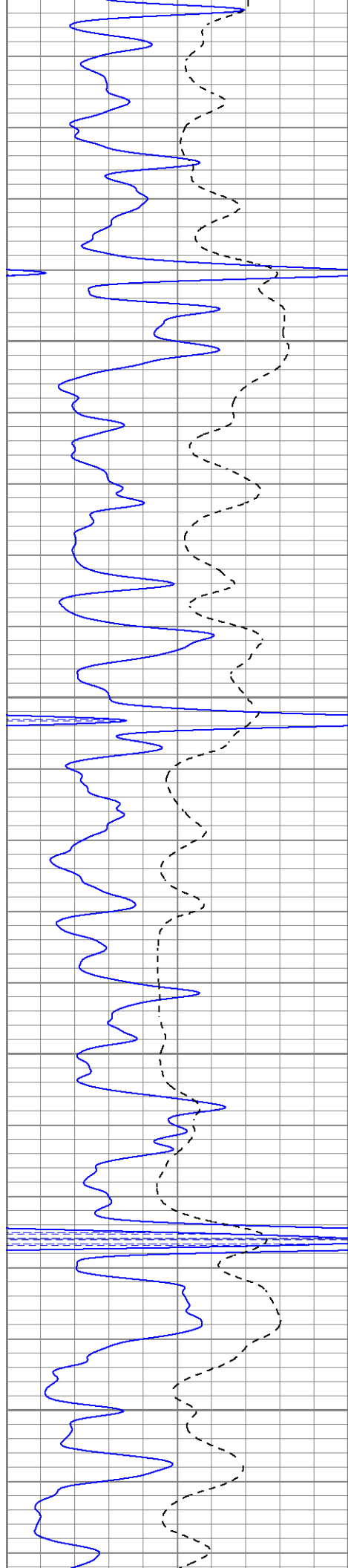


3000

3650

3700



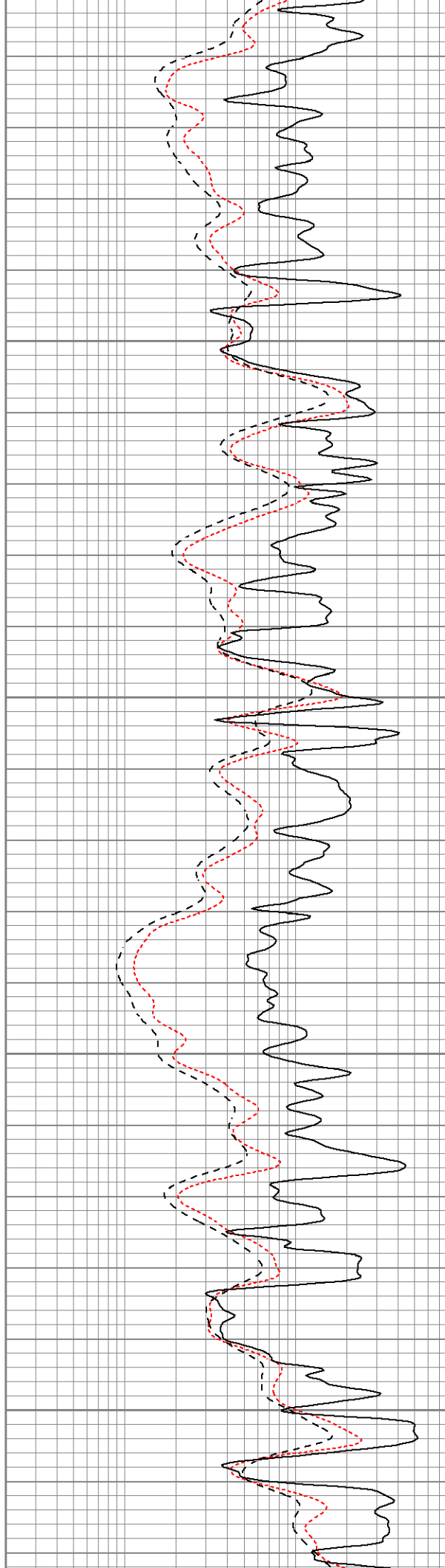


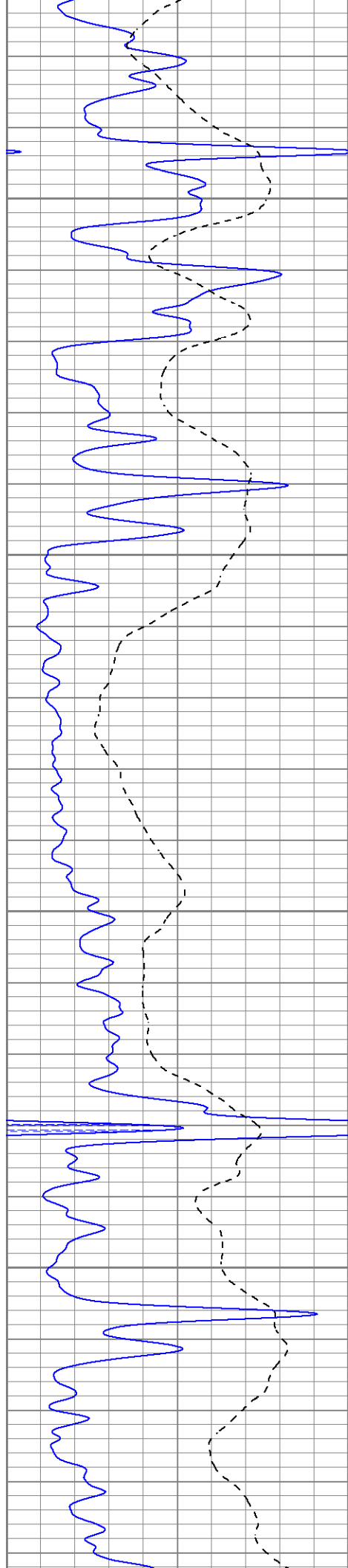
3750

3800

3850

3900



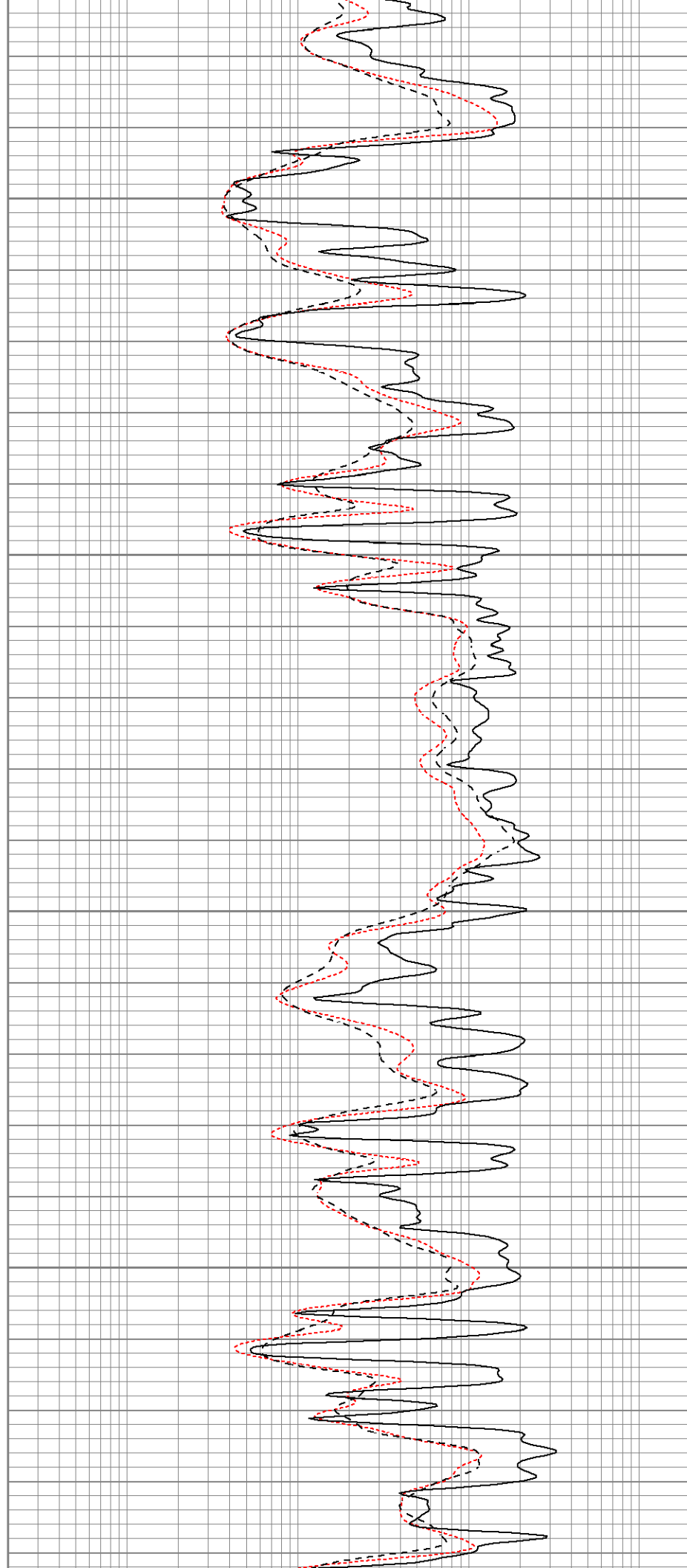


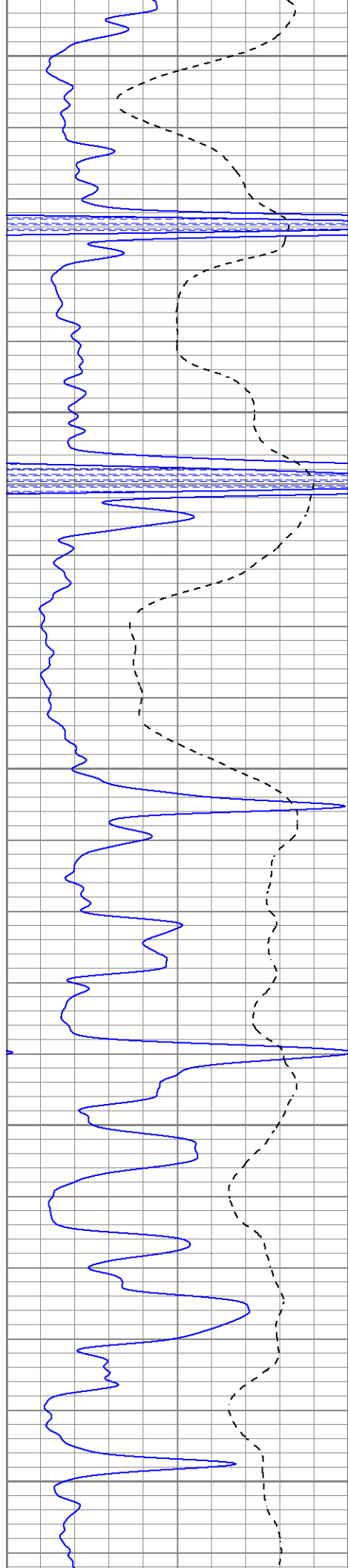
3950

4000

4050

4100





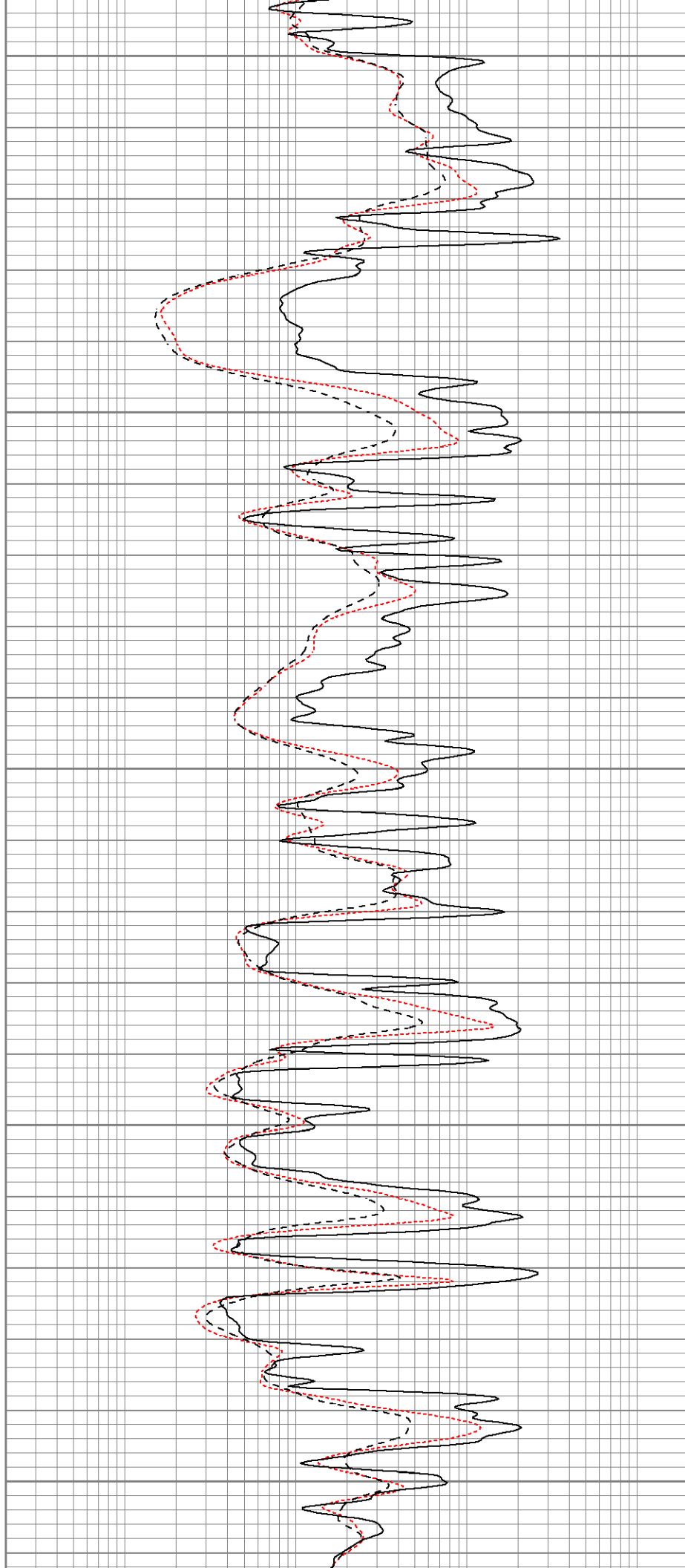
4150

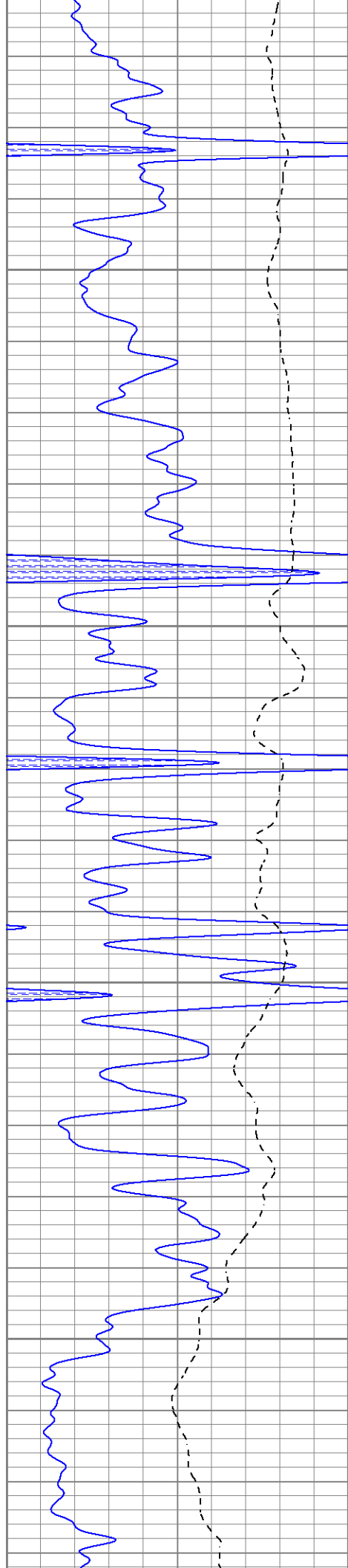
4200

4250

4300

4350



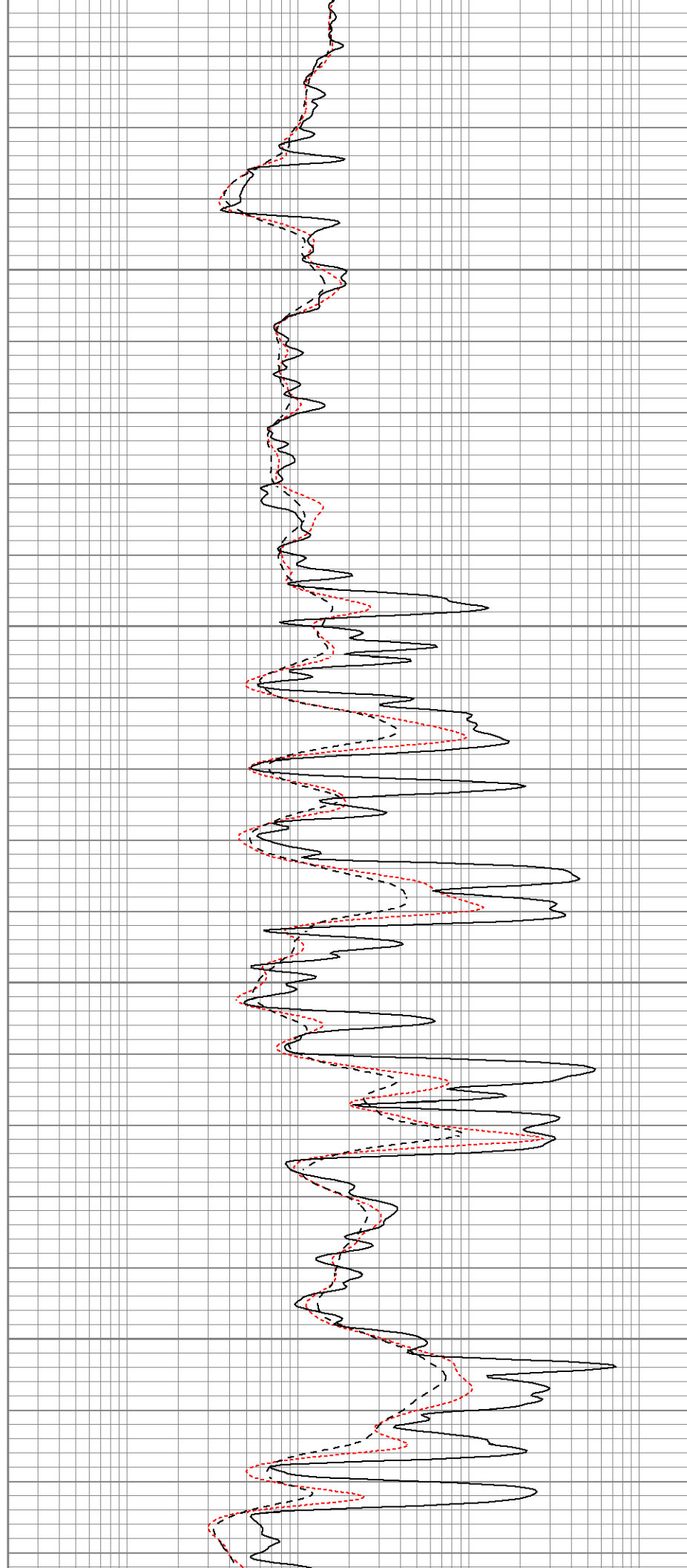


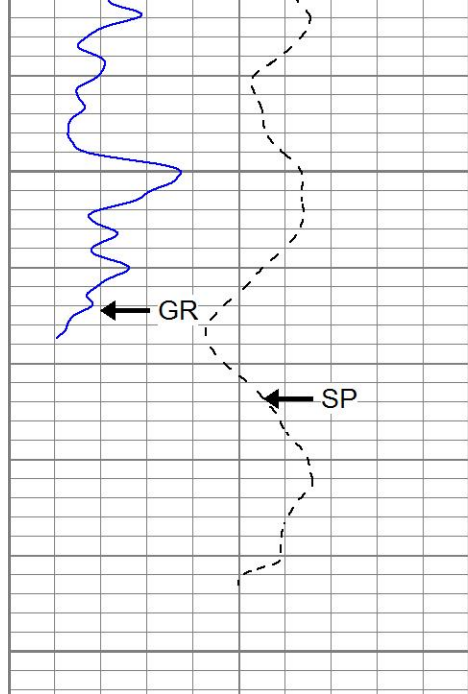
4400

4450

4500

4550

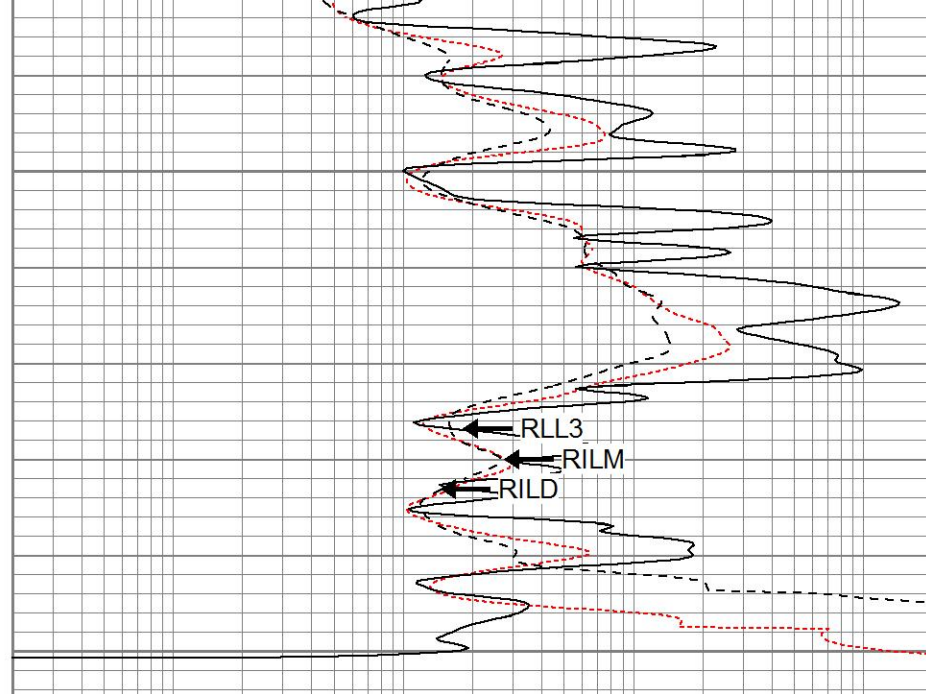




4600

4650

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



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

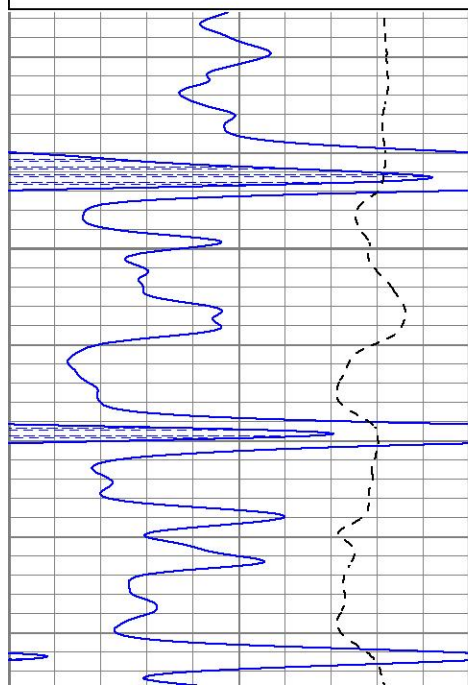


Repeat Pass

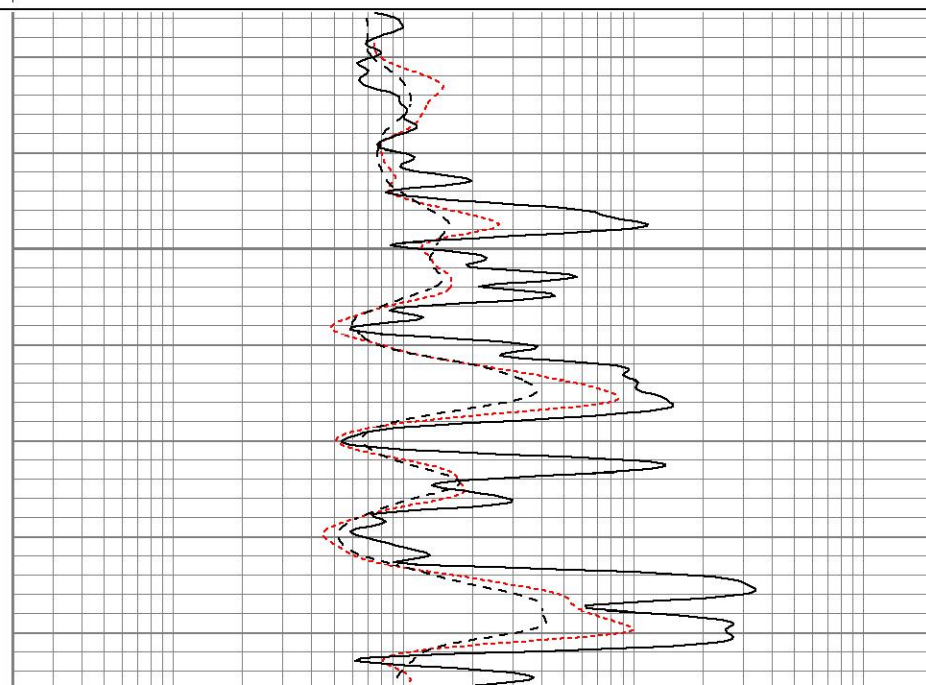
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 Dataset Pathname pass1
 Presentation Format kdil
 Dataset Creation Sun Aug 04 21:15:17 2013
 Charted by Depth in Feet scaled 1:240

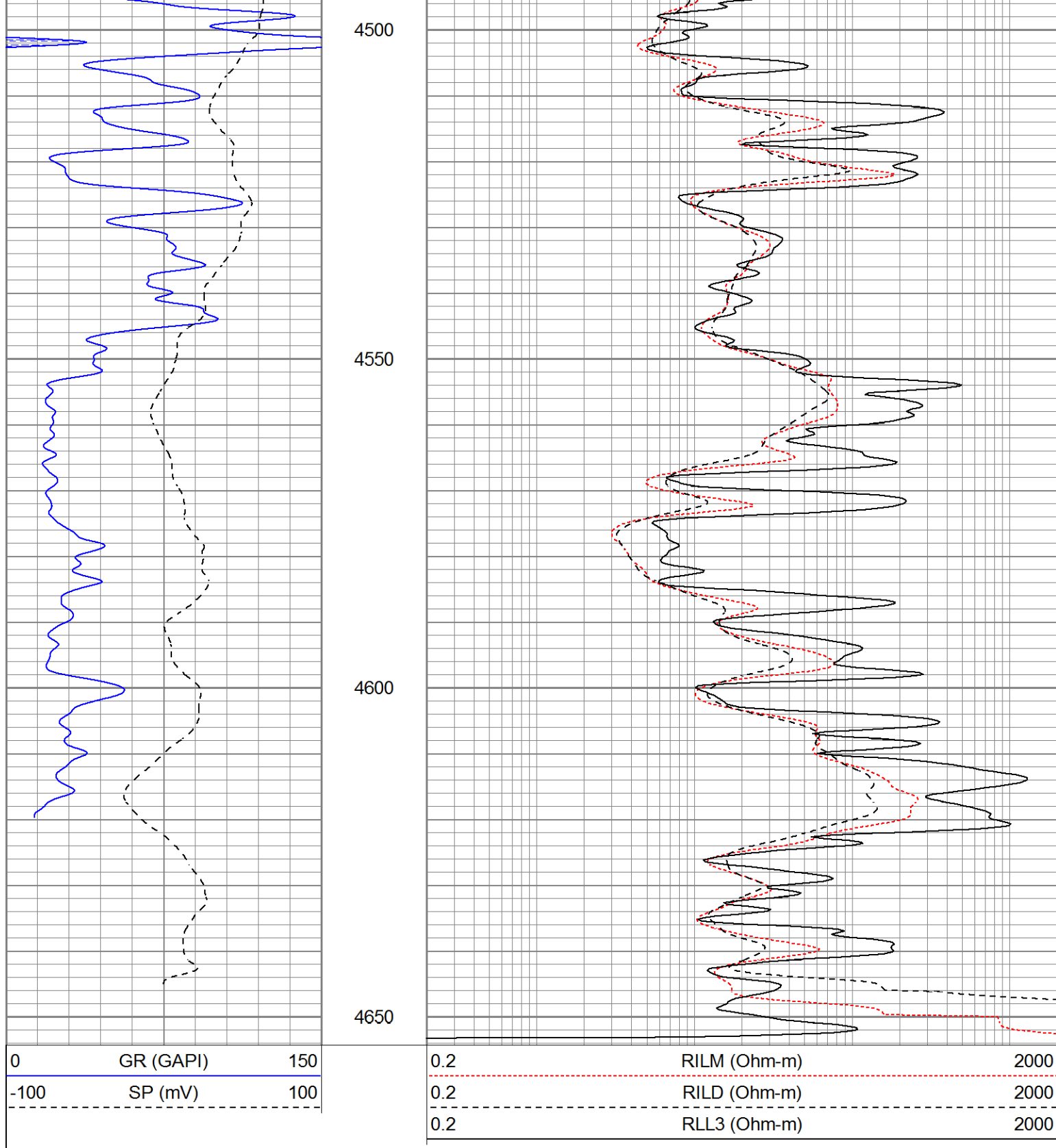
0	GR (GAPI)	150
-100	SP (mV)	100

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



4450





Calibration Report

Database File pprocketscience#1oh.db
 Dataset Pathname pass1
 Dataset Creation Sun Aug 04 21:15:17 2013

Dual Induction Calibration Report

Serial-Model: 5375-G
 Surface Cal Performed: Wed Jul 10 13:47:02 2013
 Downhole Cal Performed: Wed Jul 10 13:47:46 2013
 After Survey Verification Performed: Wed Jul 10 13:47:46 2013

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.006	0.644	V	0.000	350.000	mmho/m	547.876	-3.100
Medium	0.009	0.747	V	0.000	400.000	mmho/m	542.113	-5.049
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.645	V	0.000	350.000	mmho/m	547.432	-3.014
Medium	0.009	0.747	V	0.000	550.000	mmho/m	745.337	-6.710

Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.194	350.211	mmho/m	-0.084	350.201	mmho/m	1.000	0.110
Medium	-0.222	399.960	mmho/m	-0.169	399.868	mmho/m	1.000	0.053
Shallow	2.472	0.016	V	500.000	2.000	Ohm-m	202.760	-1.317

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.194	350.211	mmho/m	1.000	0.110
Medium	0.000	0.000	mmho/m	-0.222	399.960	mmho/m	1.000	0.053
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:				Mon May 27 11:08:09 2013				
Before Survey Verification Performed:								
After Survey Verification Performed:								

Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	721.95	287.97	cps
Aluminum	2.660	g/cc	136.17	188.42	cps
Spine Angle = 75.73			Density/Spine Ratio = 0.529		
	Size		Reading		
Small Ring	8.30	in	6273.19		
Large Ring	14.00	in	10676.90		

Before Survey Verification								
Target			Measured					
			g/cc		g/cc			
			g/cc		g/cc			
			g/cc		g/cc			

After Survey Verification								
Target			Measured					
			g/cc		g/cc			

g/cc
g/cc
g/cc

Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Tue Jun 11 15:41:32 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2300	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Tue Jun 11 15:41:41 2013	
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	38.26		None	0.75	1.50	5.00	
			NEU-PROBE (5108) Probe	4.92	3.63	85.00	
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00	
			DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00	
LSD	23.78						
DCAL	23.49						
SSD	23.24						
HEADVOLT	21.47						
SP	10.60			DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60						
CILM	6.89						
RLL3	1.70						

Dataset:	pprocketscience#1oh.db: field/well/run1/pass1
Total length:	40.39 ft
Total weight:	676.00 lb
O.D.:	4.00 in