



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.		Company Cobalt Energy, LLC.	
15-101-22,320-00-00		Well Shapland Trust 'A' No. 1-2	
Field Wildcat		County Lane State Kansas	
Location 1255' FSL & 1412' FEL		Other Services CNL/CDL	
Sec: 2 Twp: 19 S Rge: 28 W		Elevation	
Permanent Datum Ground Level		K.B. 2750	
Log Measured From Kelly Bushing		D.F. 2740	
Drilling Measured From Kelly Bushing		G.L. 2740	
Date	12/5/2011		
Run Number	One		
Depth Driller	4700		
Depth Logger	4701		
Bottom Logged Interval	4700		
Top Log Interval	00		
Casing Driller	8.625 @ 224		
Casing Logger	226		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4.500		
Density / Viscosity	9.3 58		
pH / Fluid Loss	8.5 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.85 @ 62		
Rmf @ Meas. Temp	.64 @ 62		
Rmc @ Meas. Temp	1.15 @ 62		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.42 @ 125		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	125		
Equipment Number	91		
Location	Hays		
Recorded By	K. Bange		
Witnessed By	Corey Baker		

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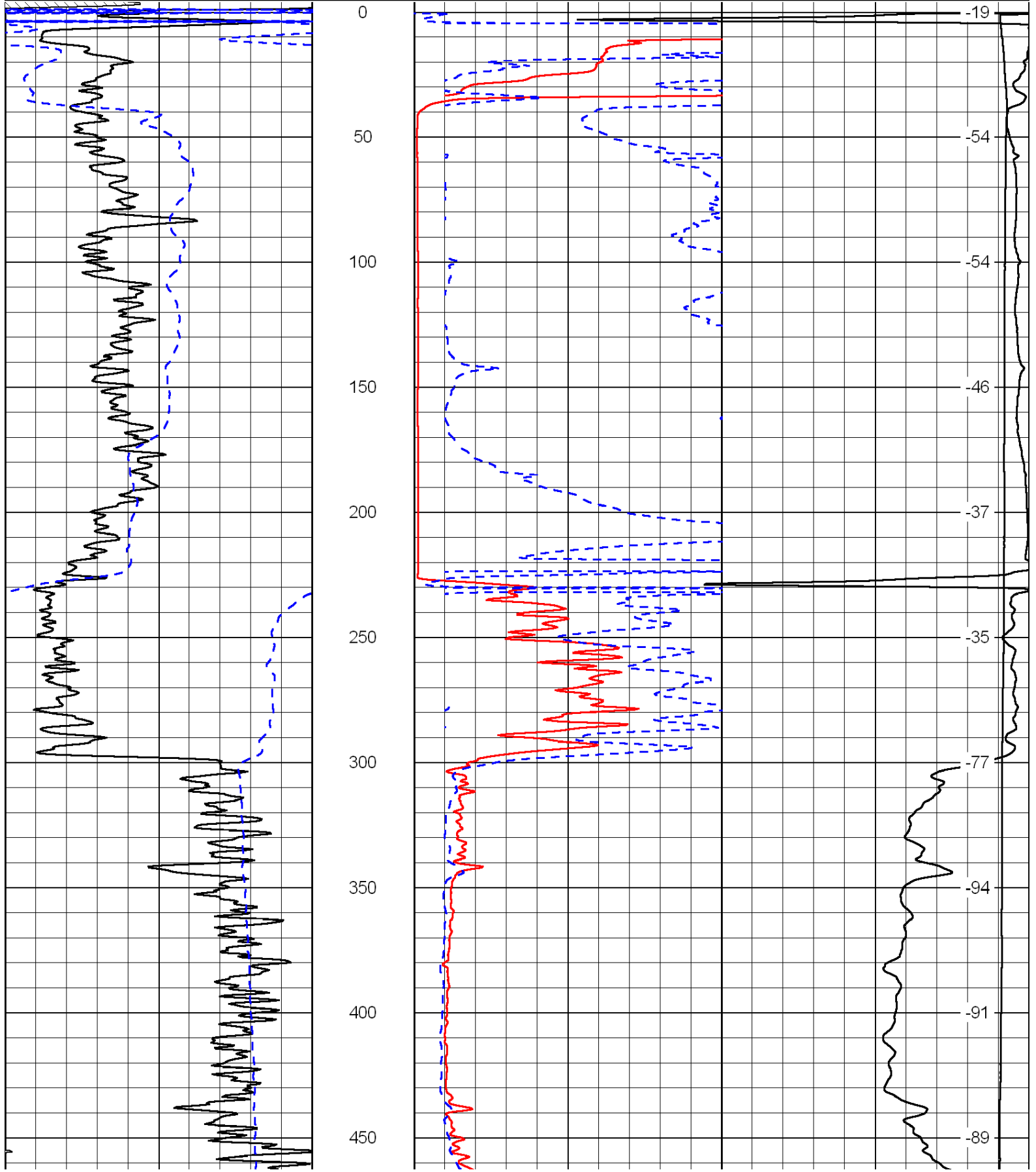
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

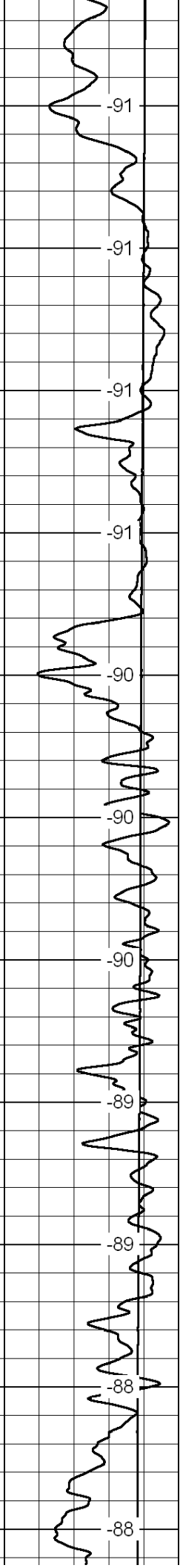
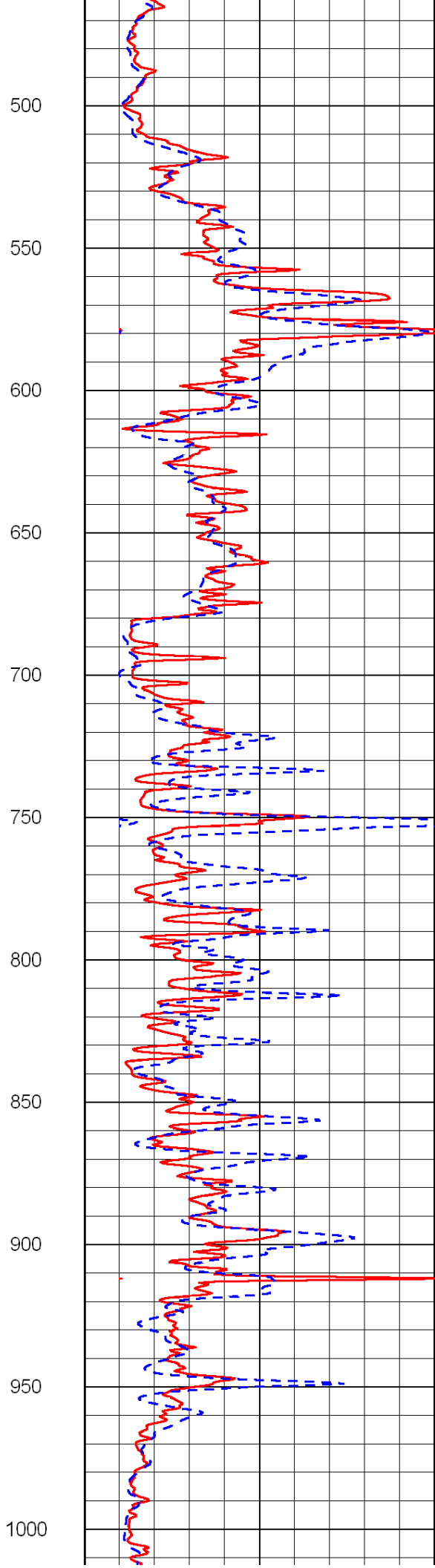
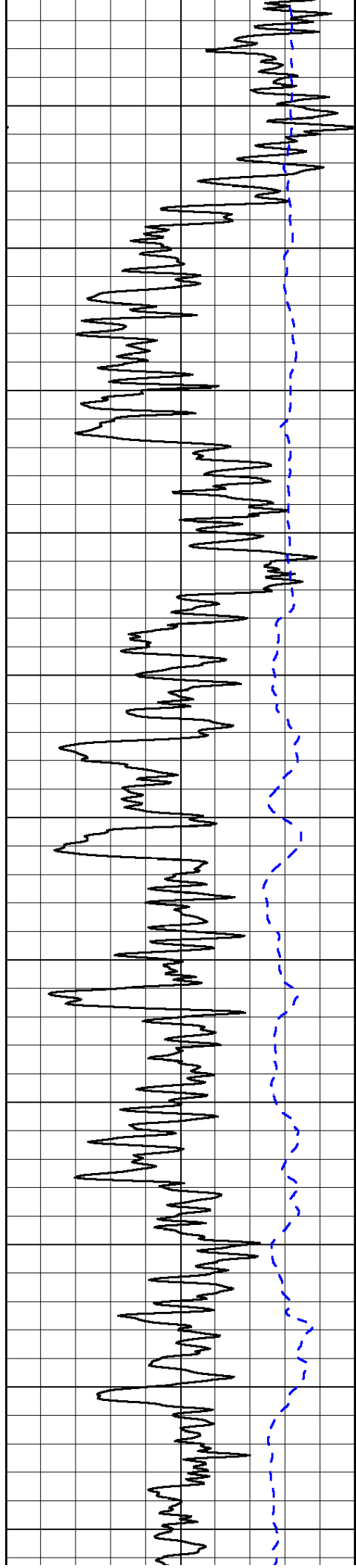
Comments

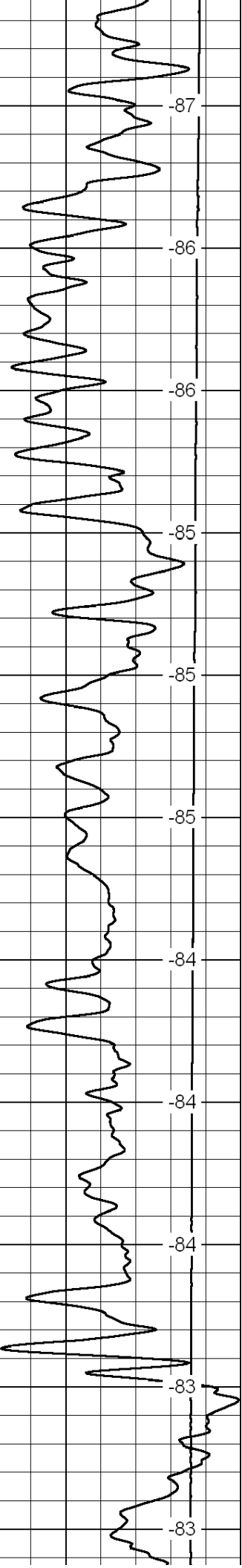
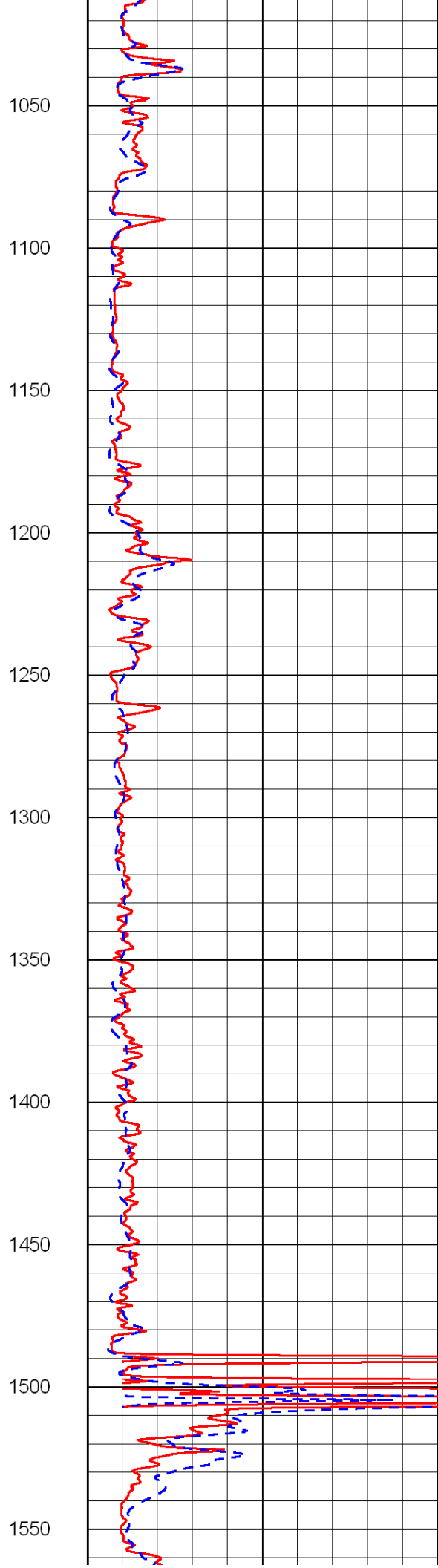
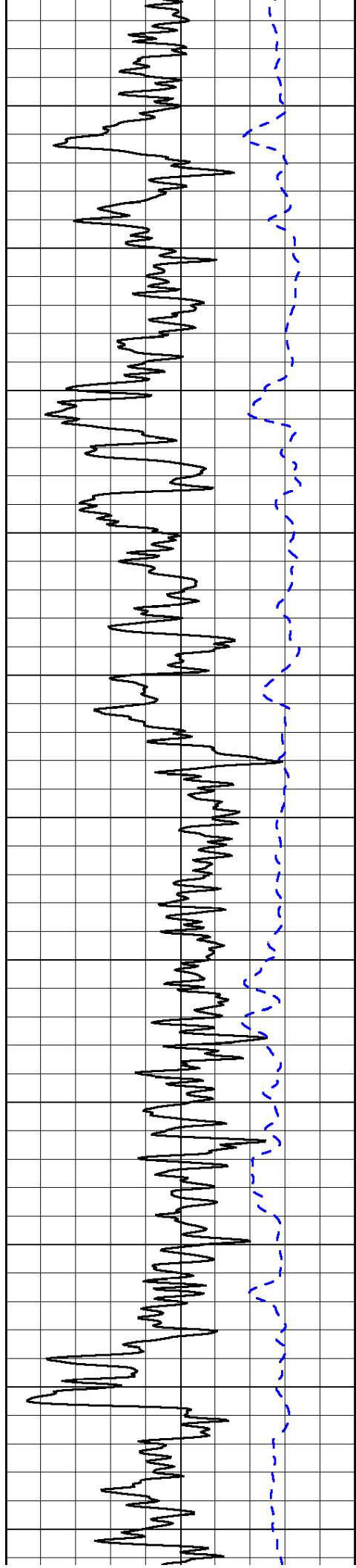
Thank you for using Log-Tech, Inc.
(785) 625-3858

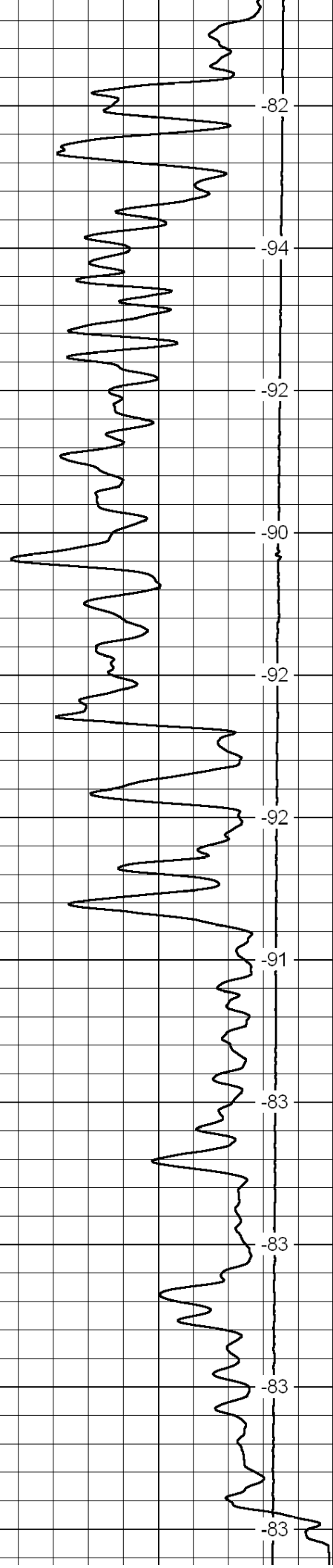
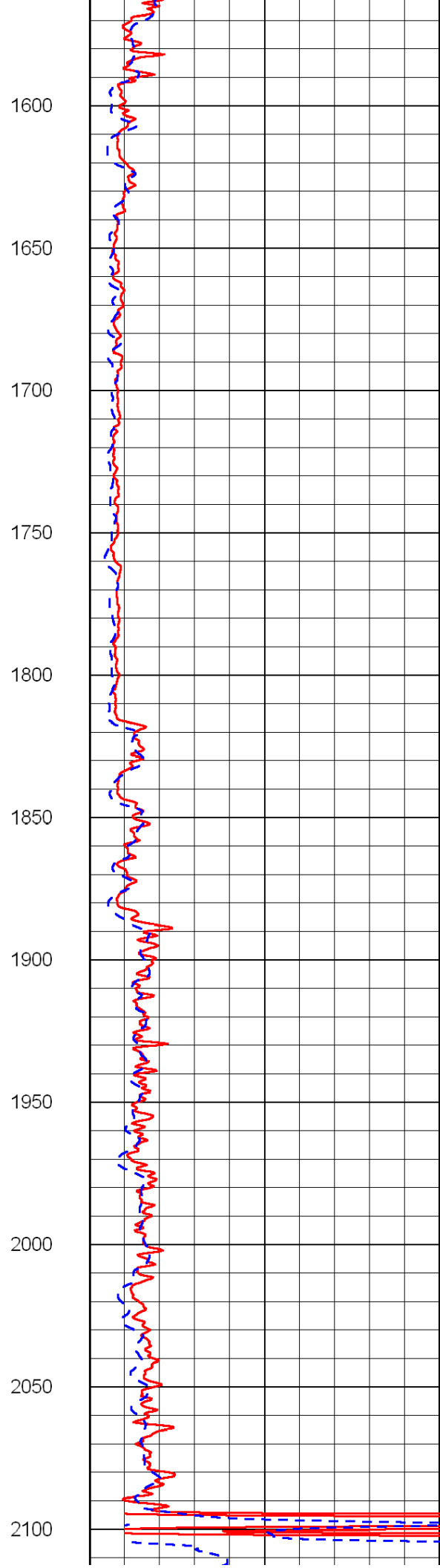
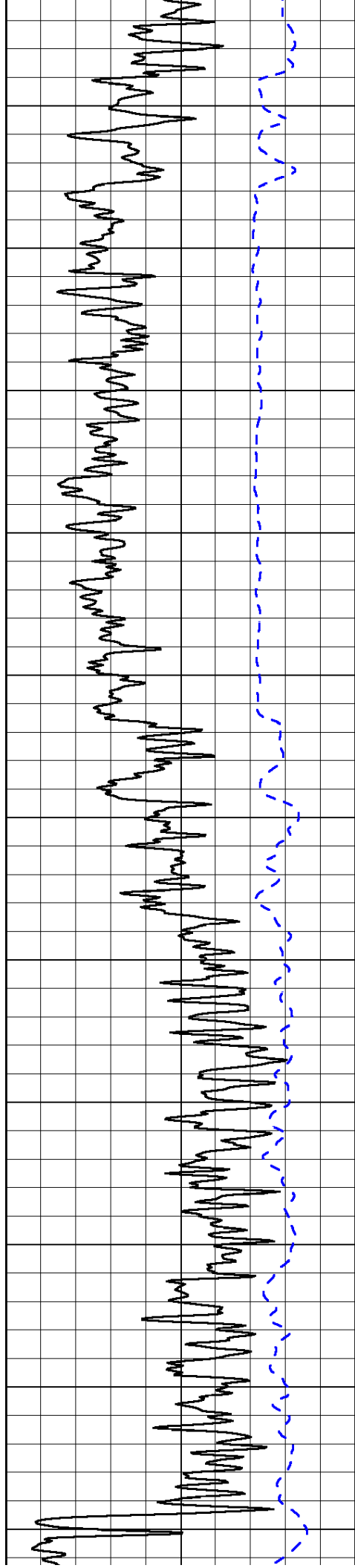
Dighton, 6 E to Quantum rd,
3 S to 120rd, 1 1/2 W, S into

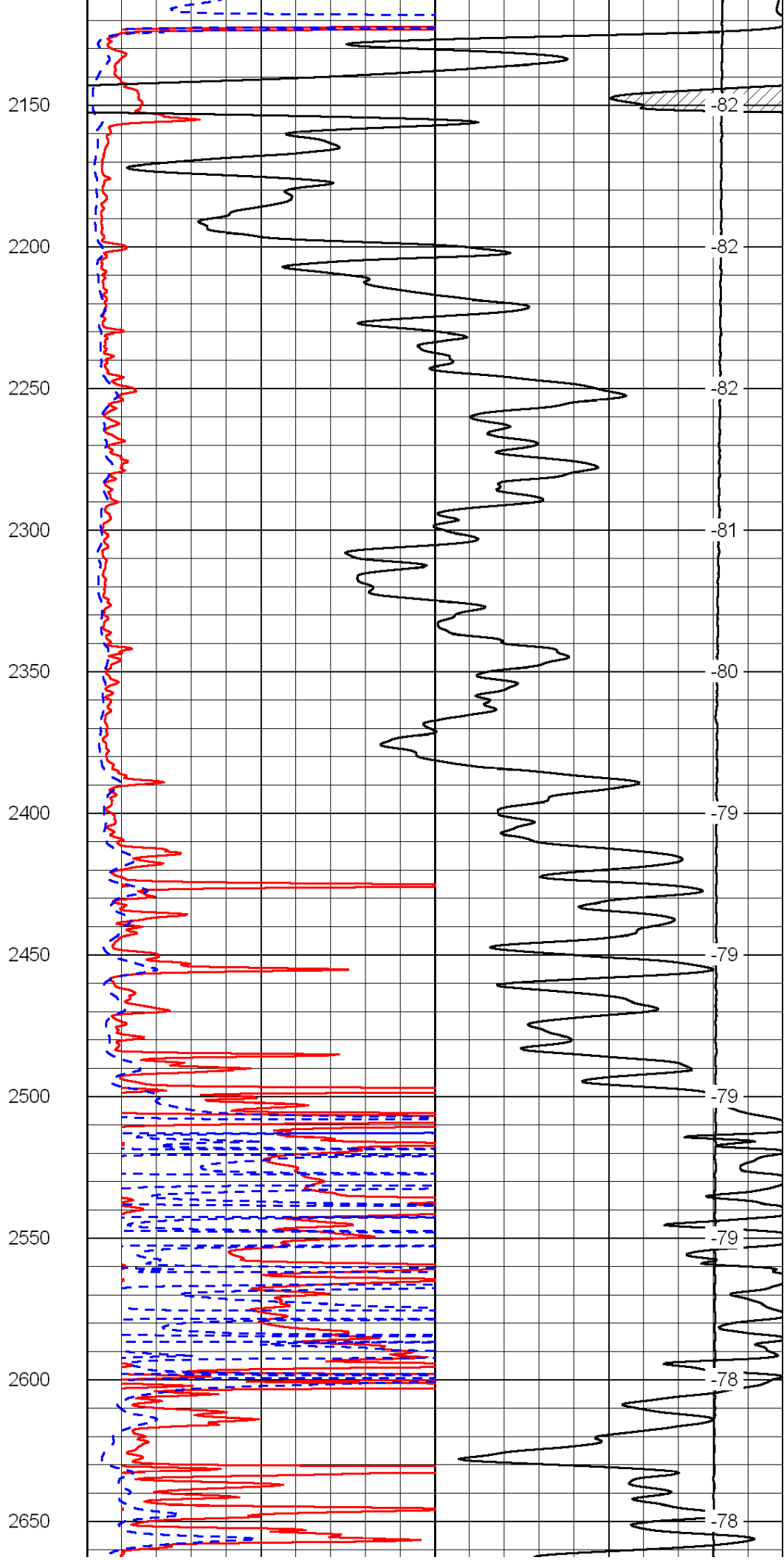
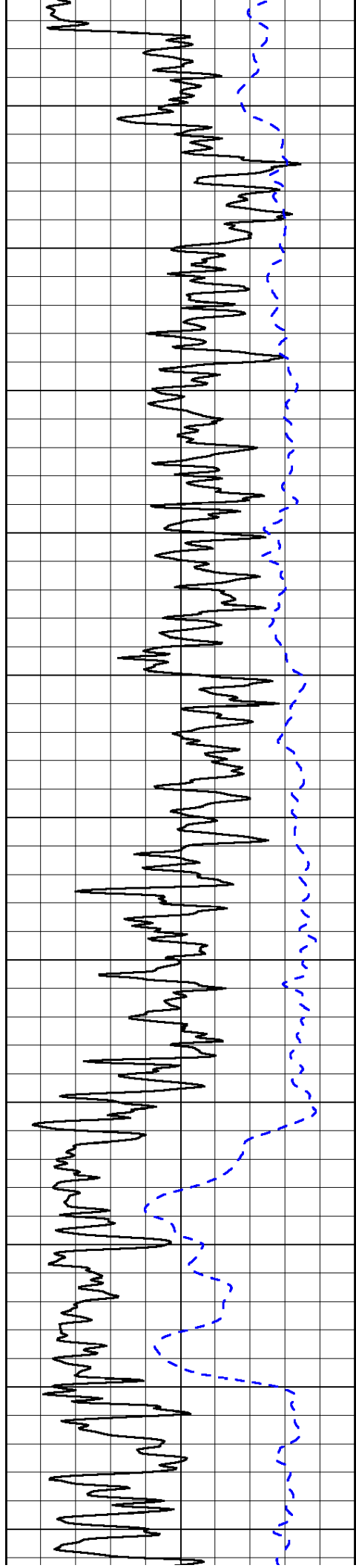
Charted by: Depth in Feet scaled 1:500								
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD		
-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

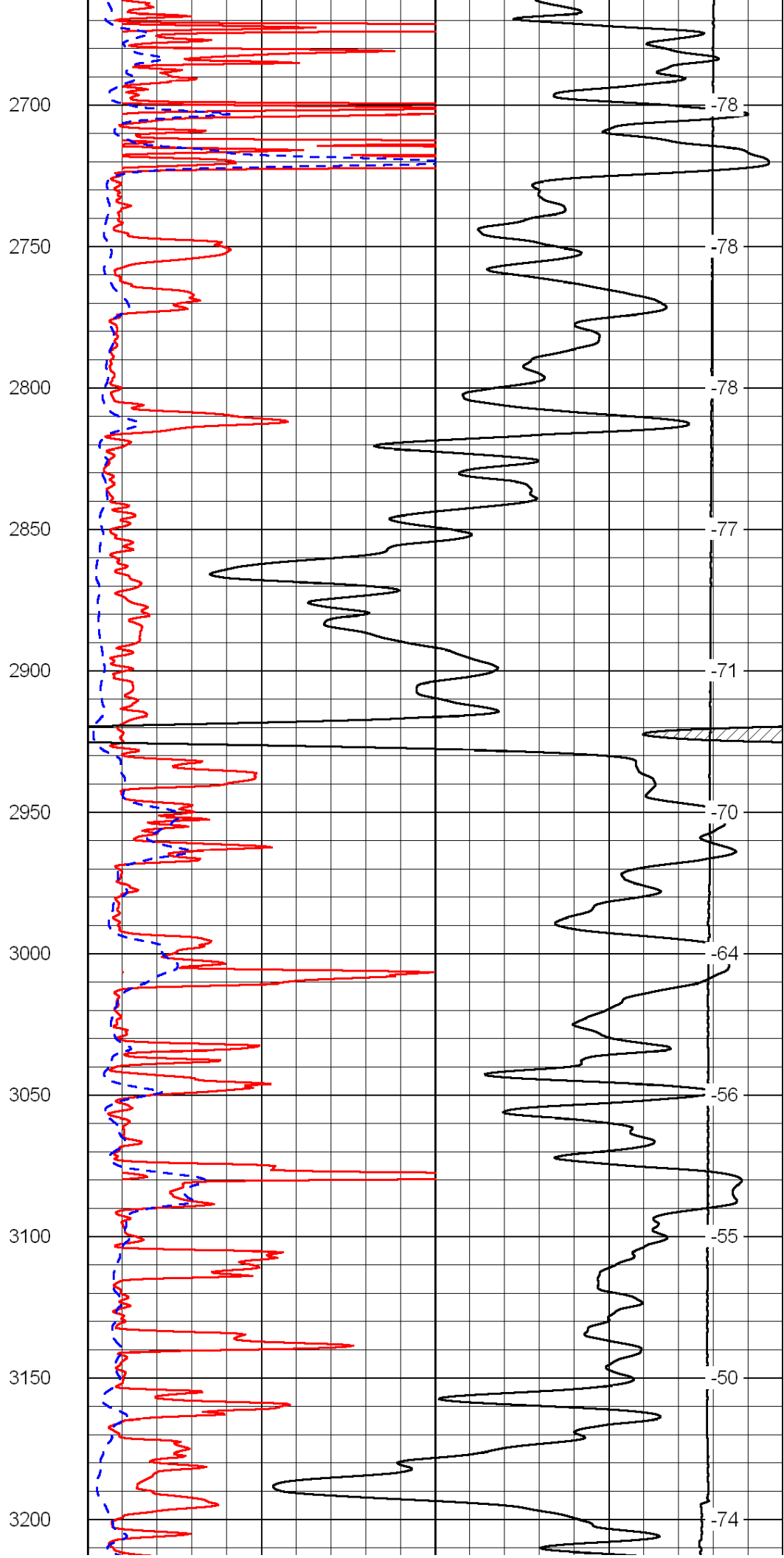
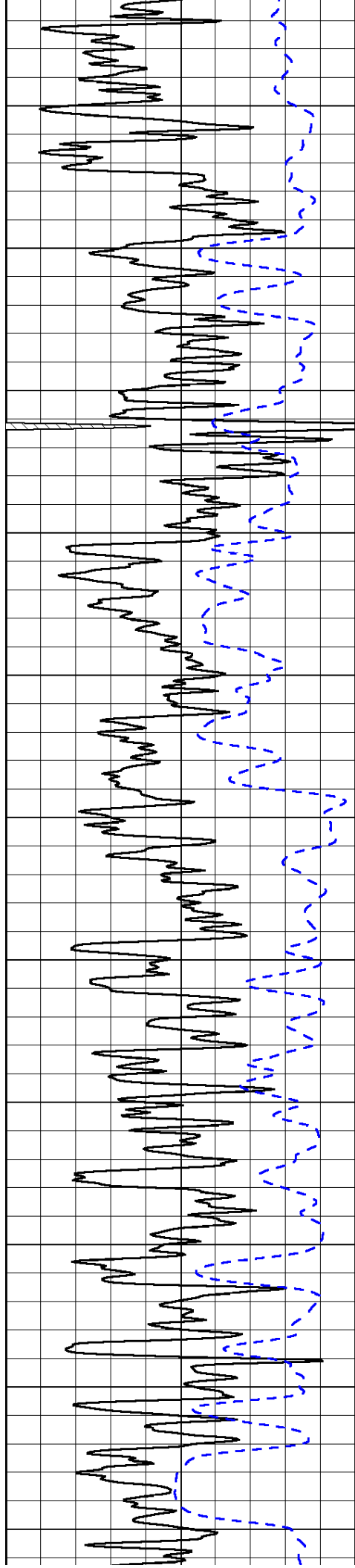


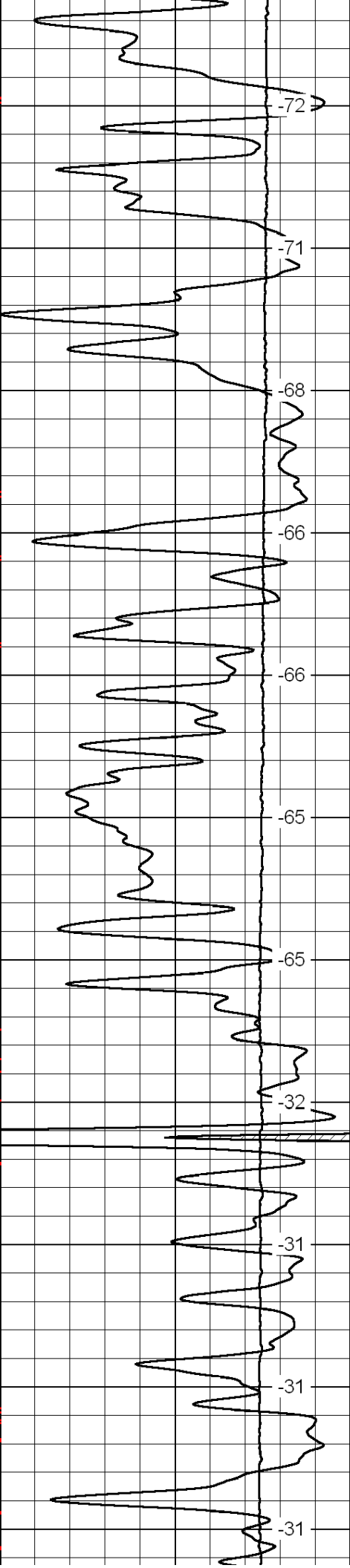
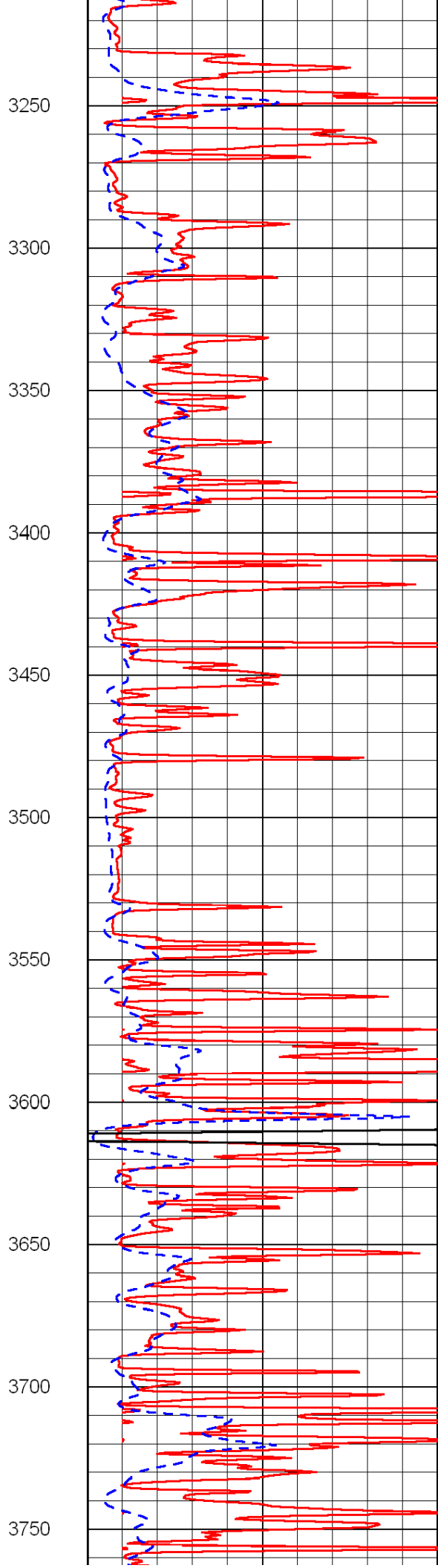
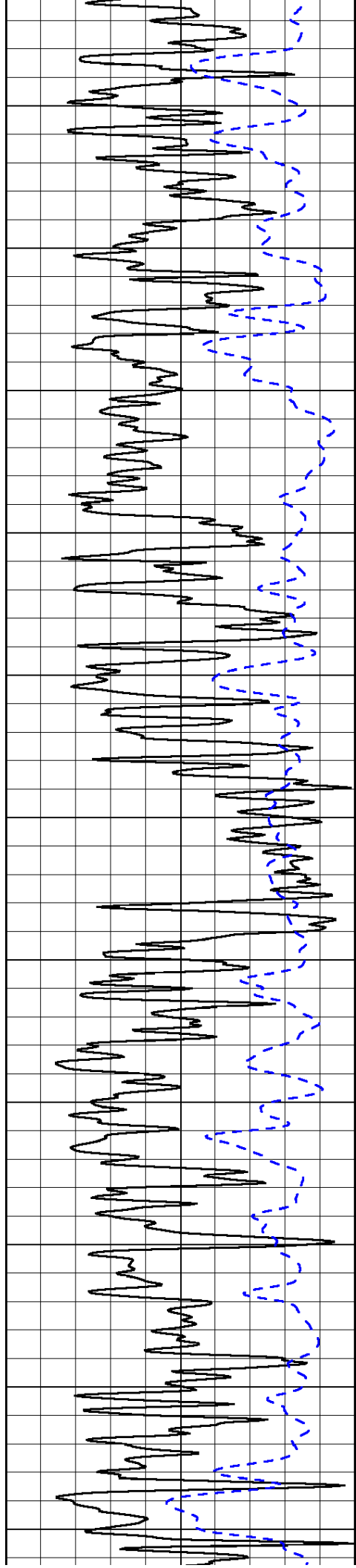


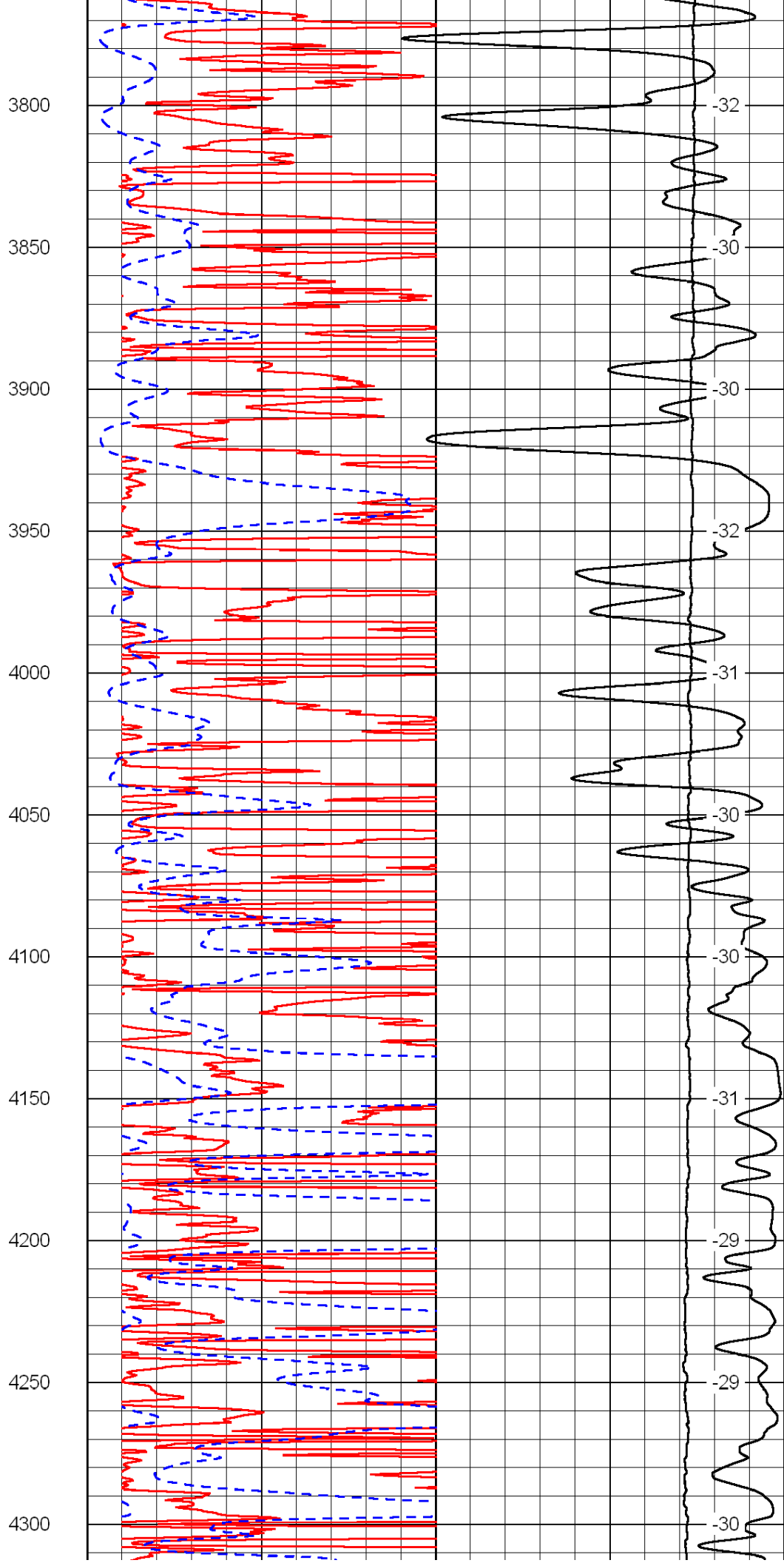
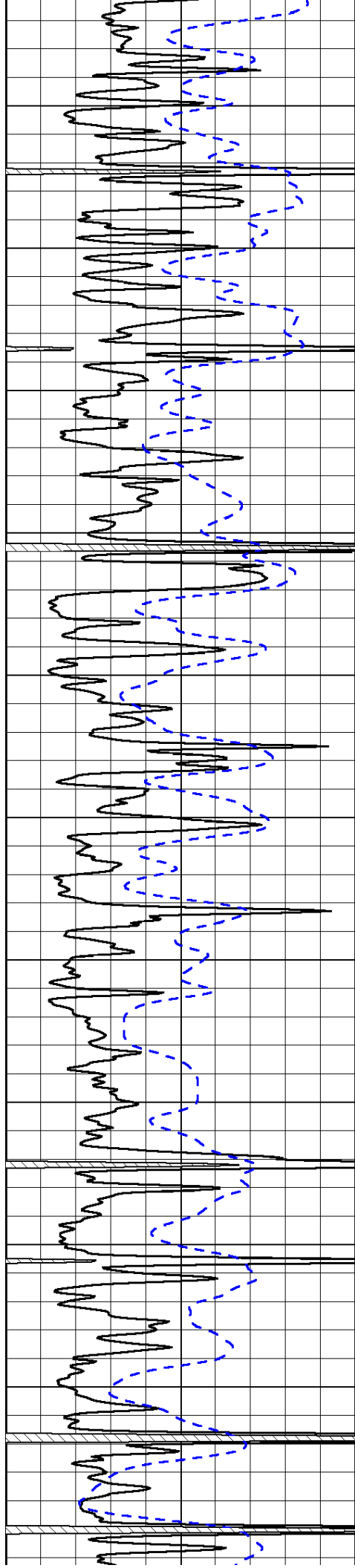


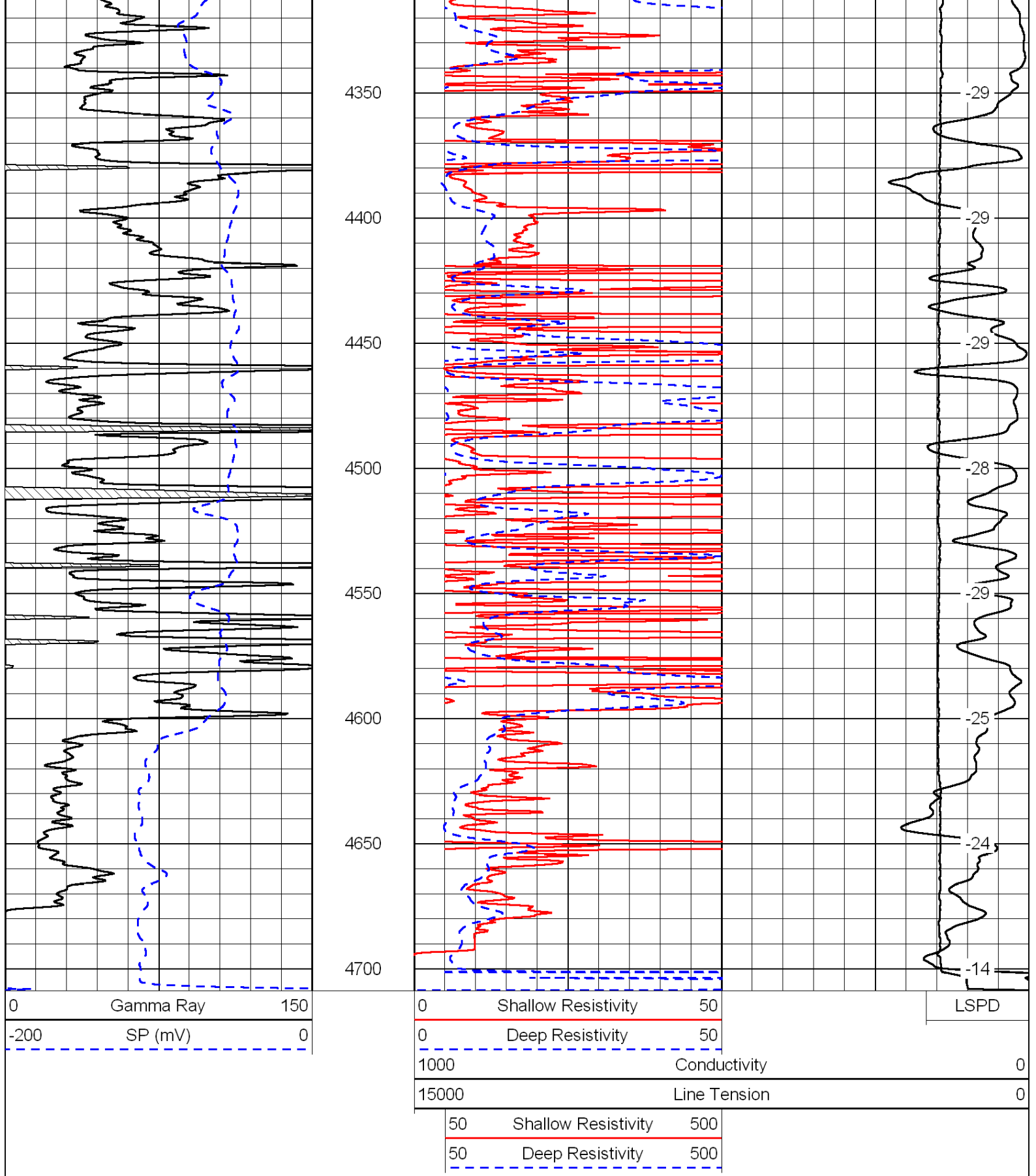




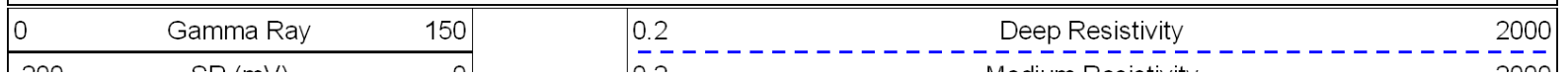




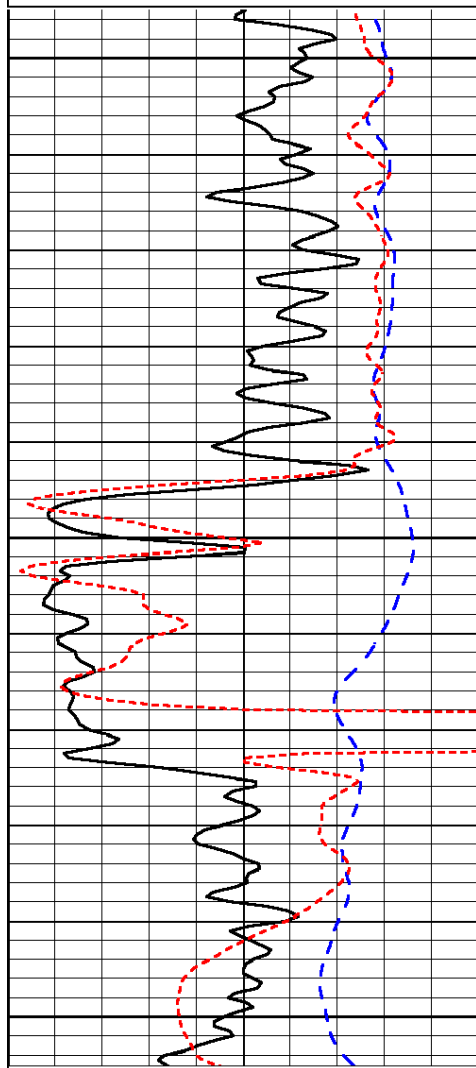




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 Presentation Format: dil
 Dataset Creation: Mon Dec 05 06:49:57 2011
 Charted by: Depth in Feet scaled 1:240

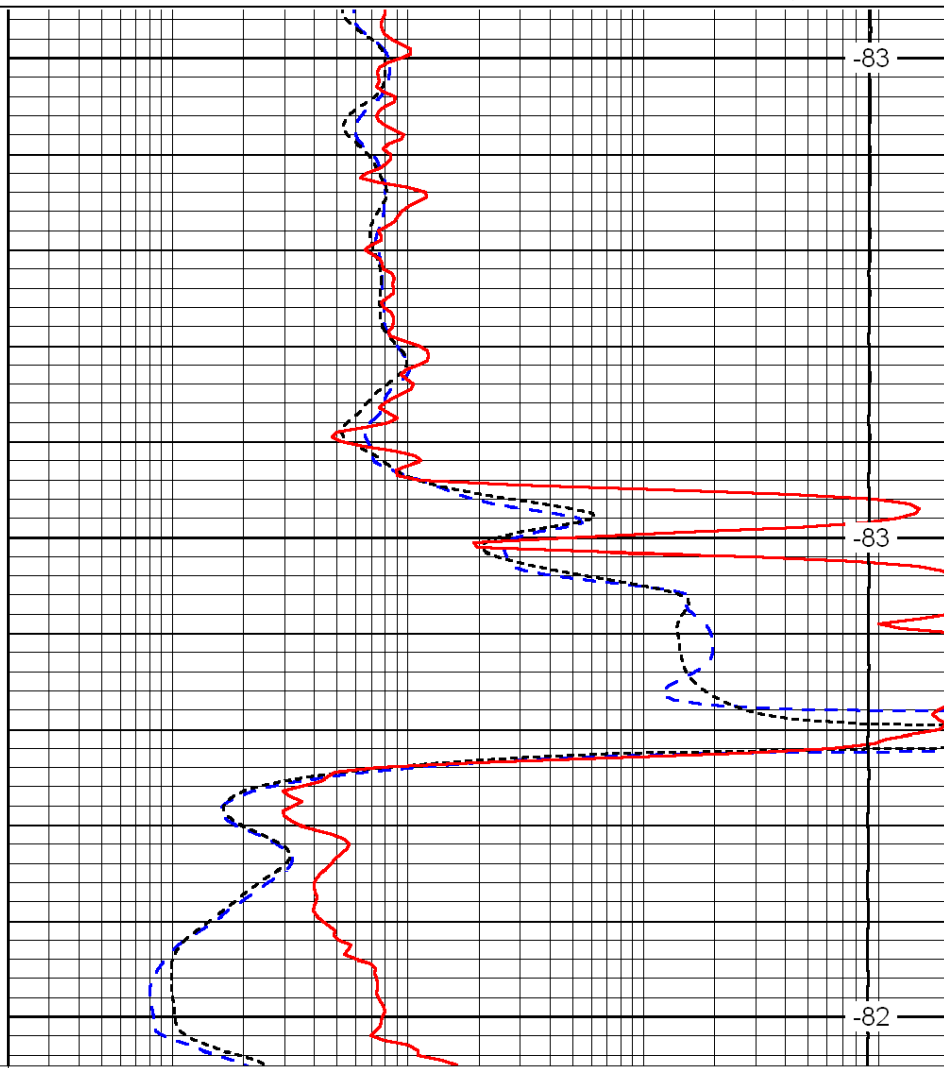


-200	SP (mV)	0
-160	Rxo / Rt	40



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-160	Rxo / Rt	40

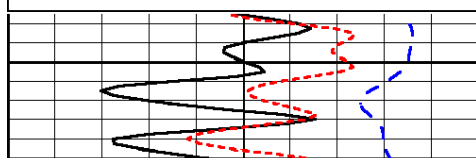
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0



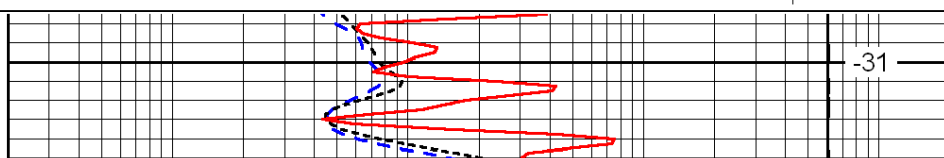
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

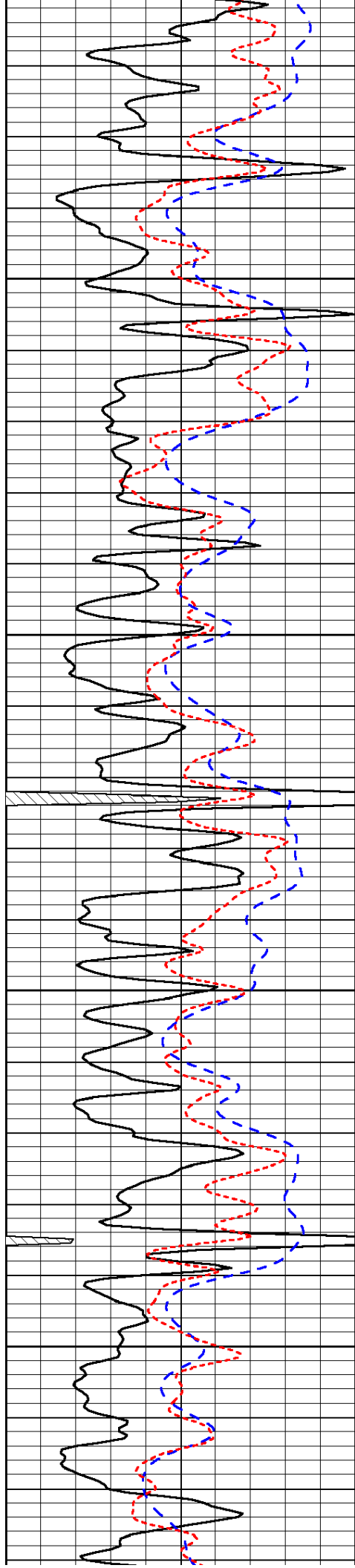
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0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0



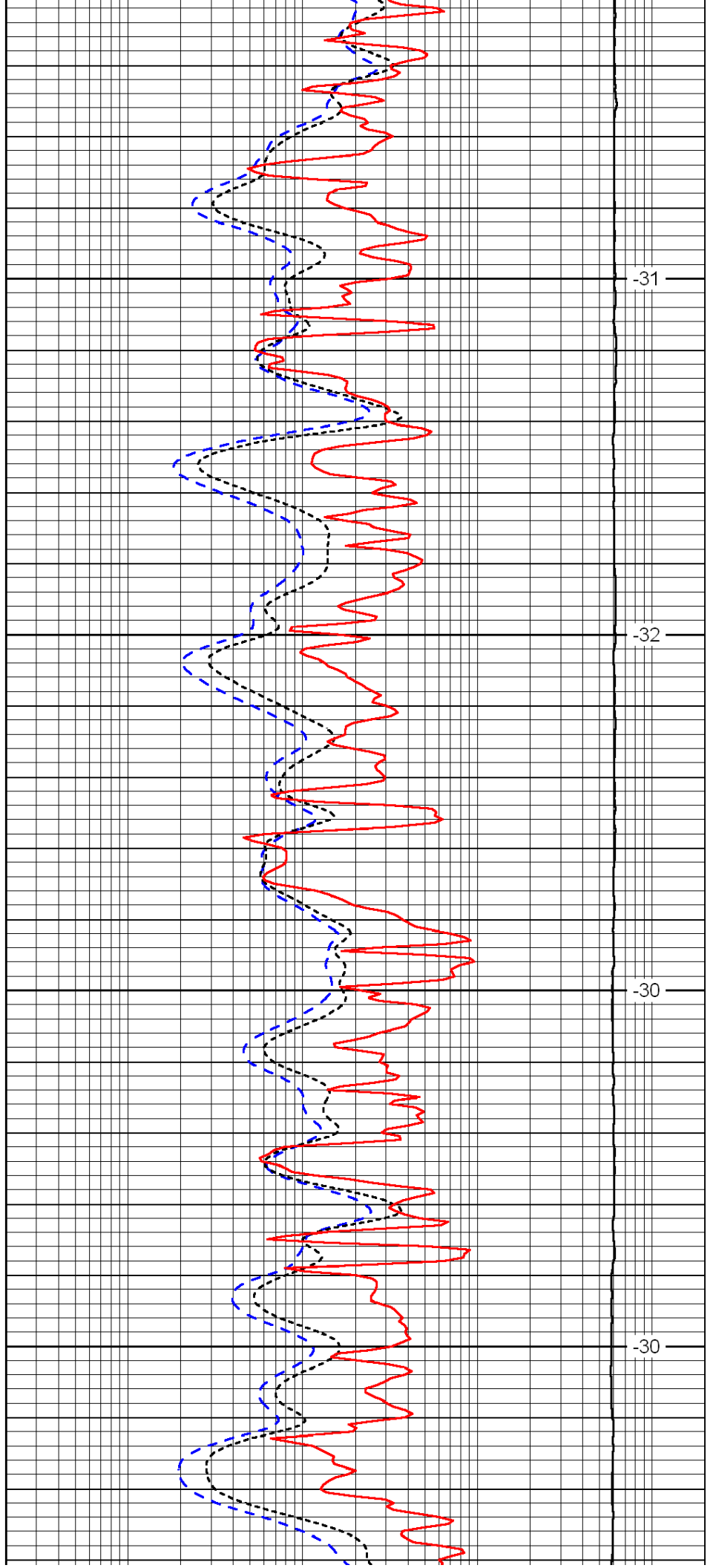


3750

3800

3850

3900

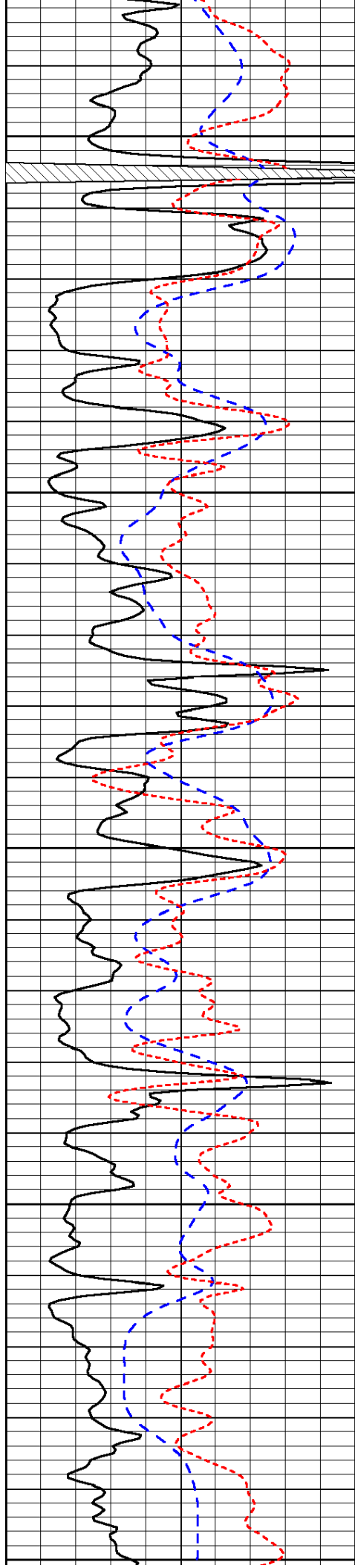


-31

-32

-30

-30



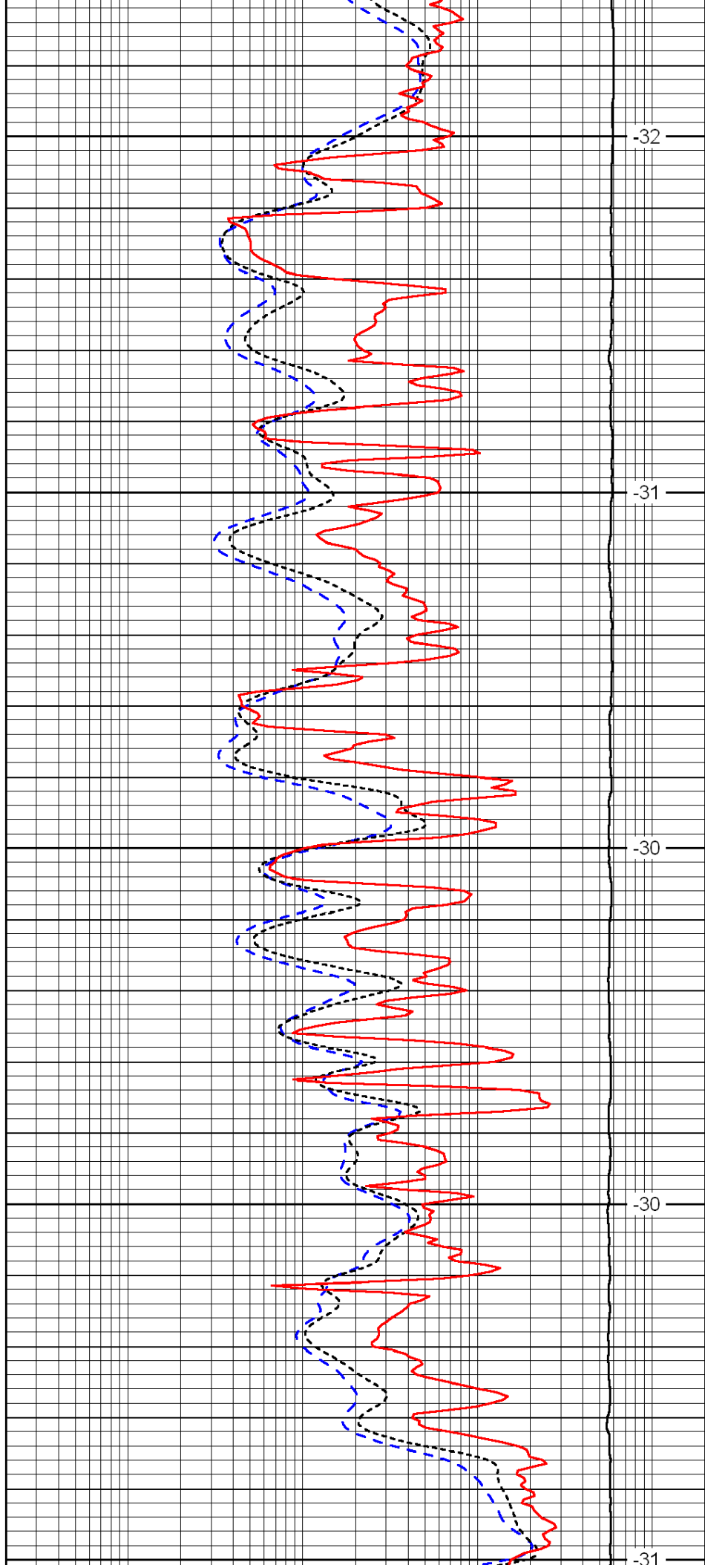
3950

4000

4050

4100

4150



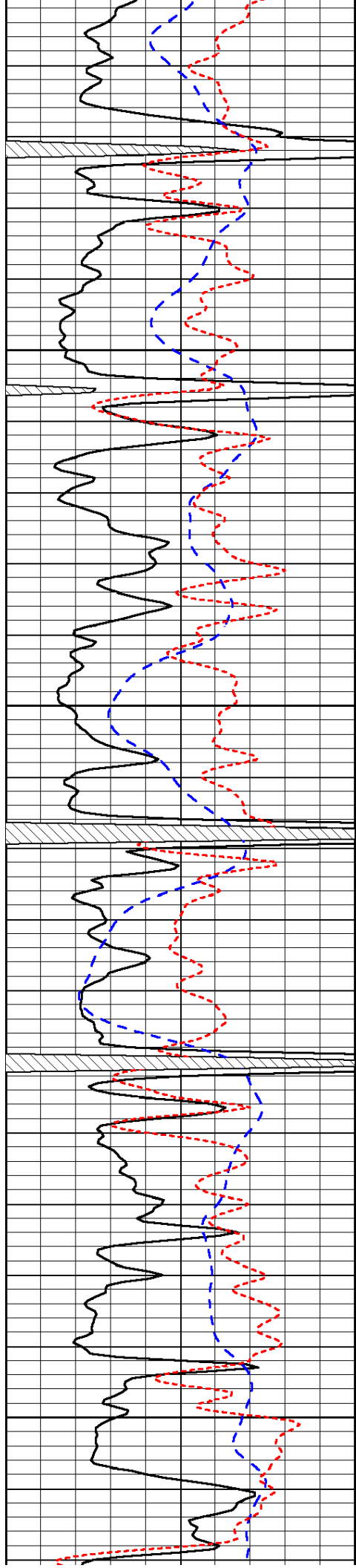
-32

-31

-30

-30

-31

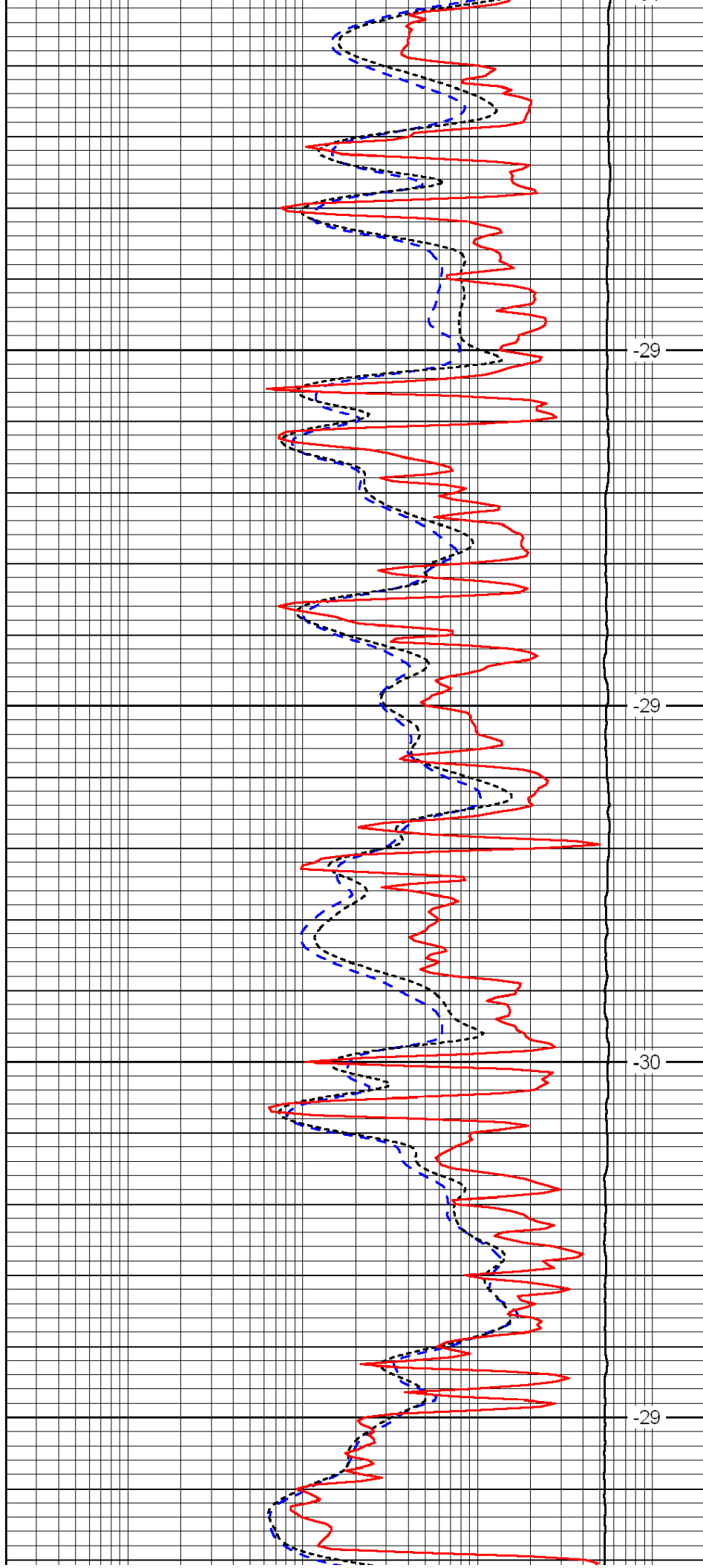


4200

4250

4300

4350

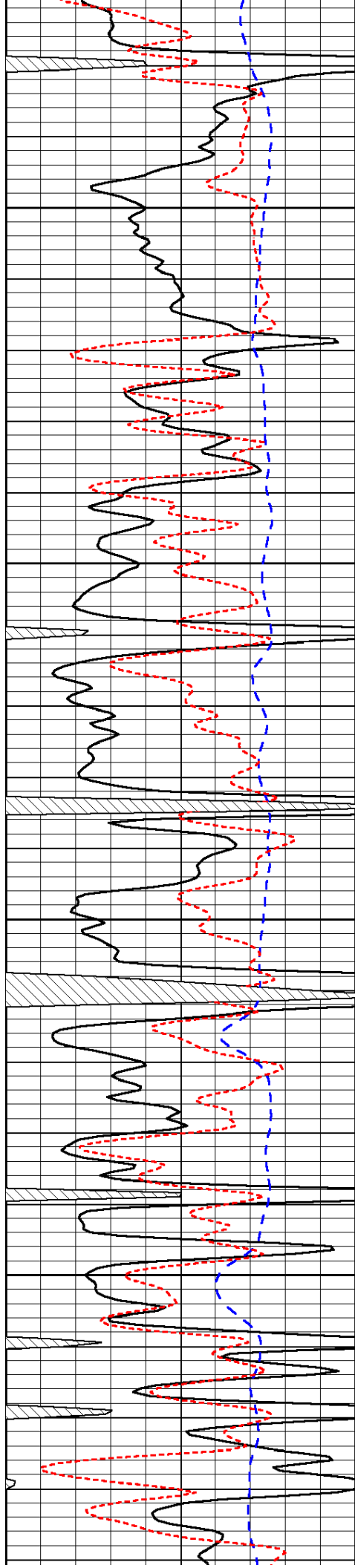


-29

-29

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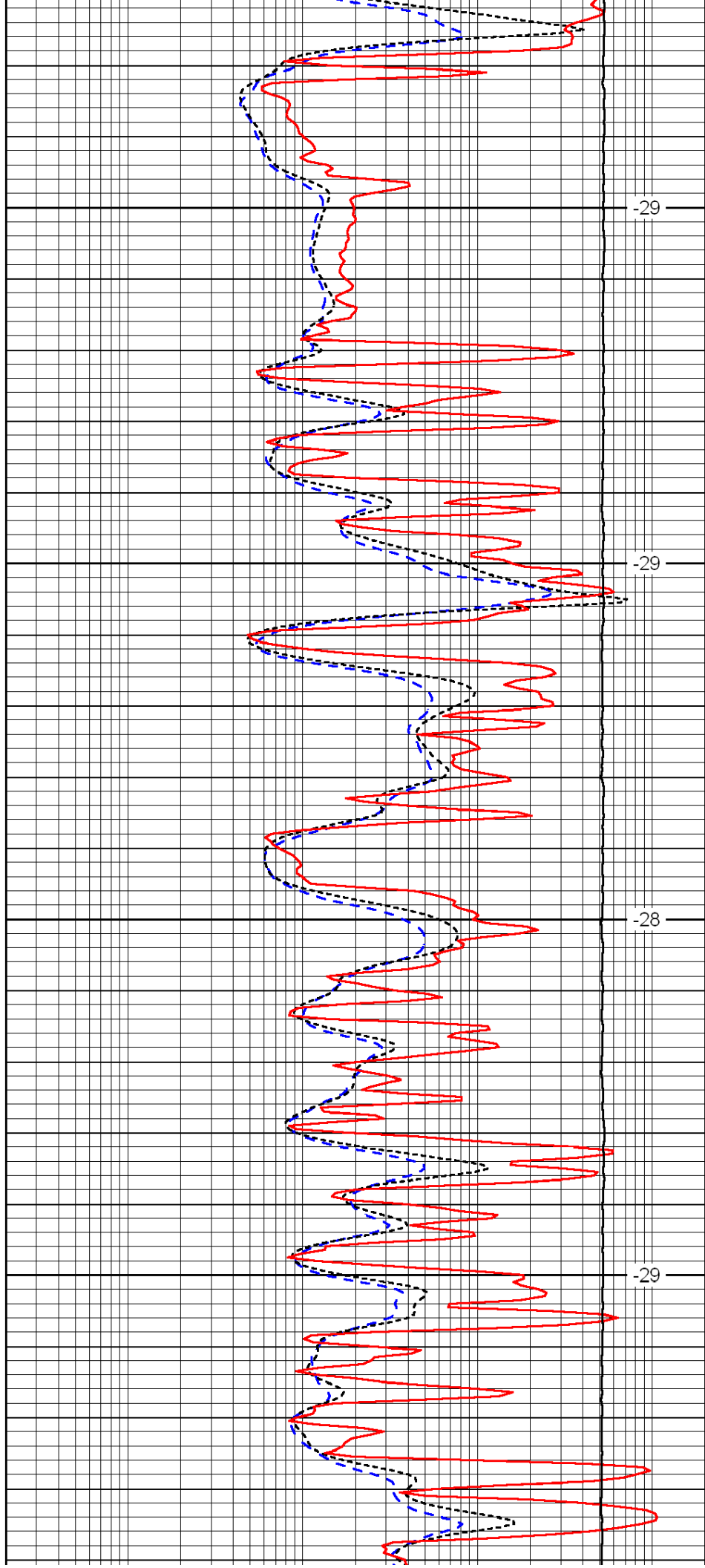


4400

4450

4500

4550

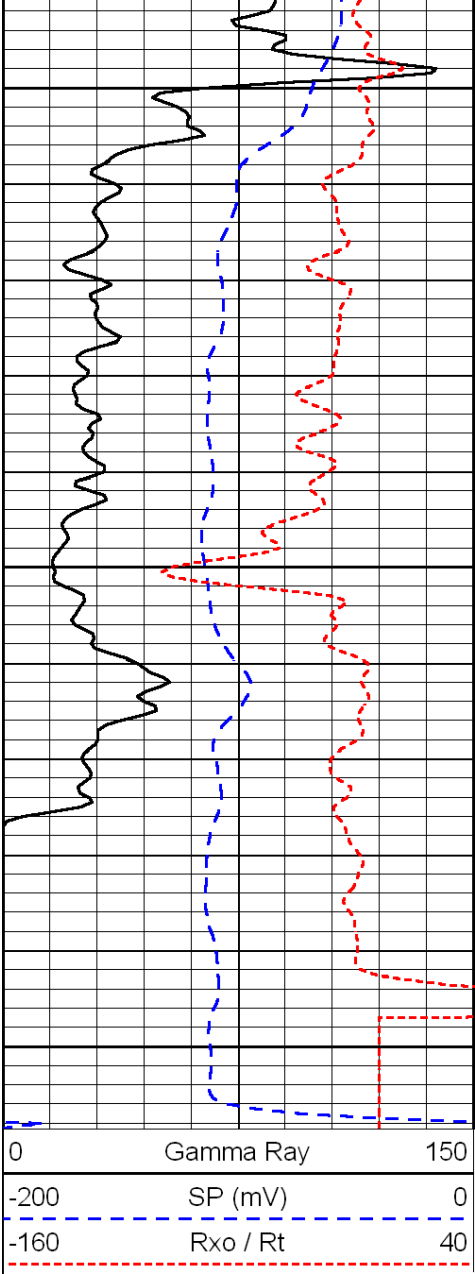


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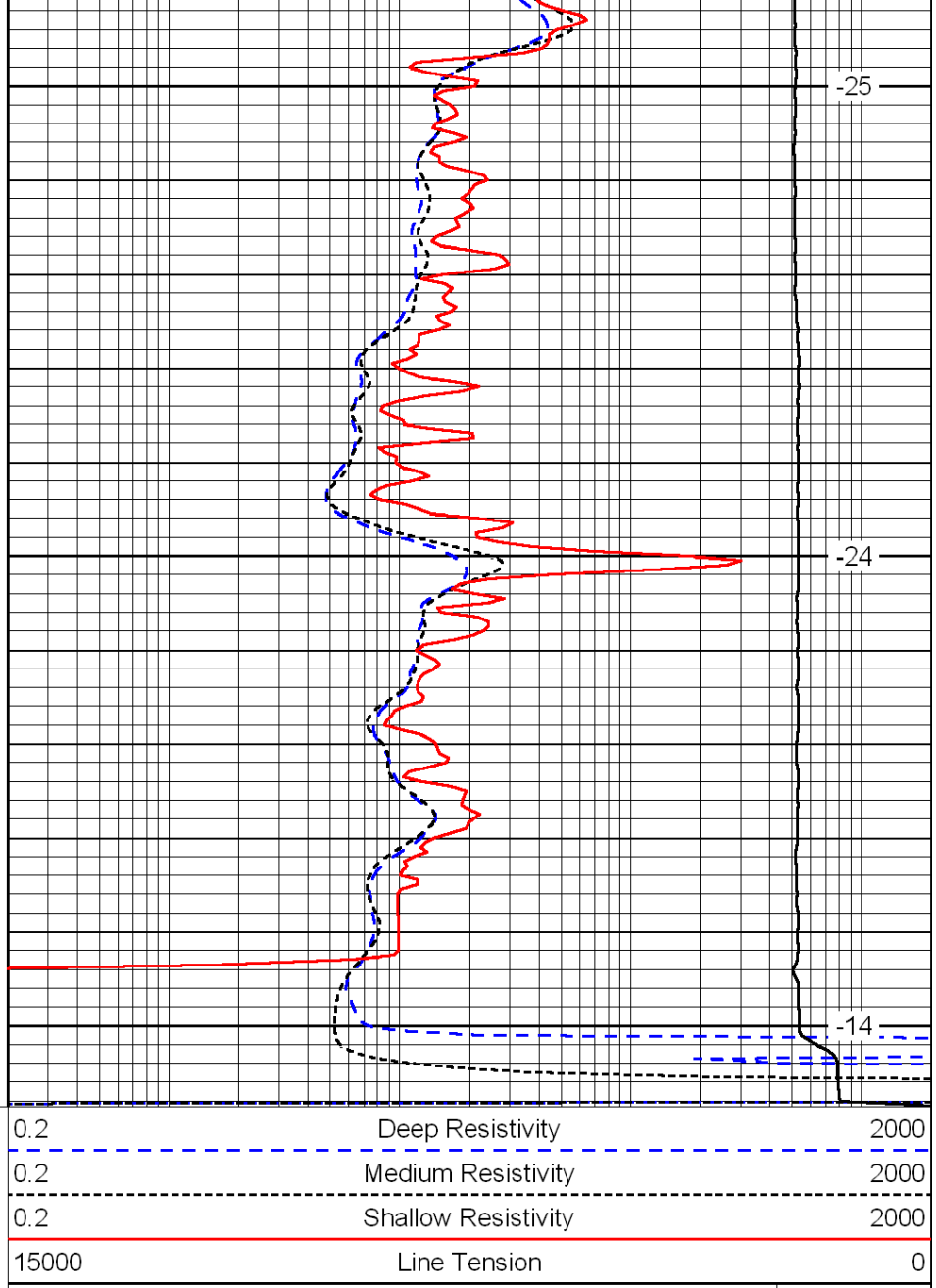
-29

-28

-29



4600
4650
4700



-25
-24
-14

LSPD