



Dual Induction Log

Pioneer Energy Services

API No.	Company Berenergy Corporation		
	Well Roetzel 'A' #27		
	Field Chase Silica		
	County Barton	State	Kansas
	Location	1270' FNL & 1788' FEL	
15-009-25868-00-00	Sec: 24	Twp: 20S	Rge: 11W
Permanent Datum	Ground Level	Elevation 1749	
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 1759 D.F. 1749 G.L. 1749	
Date	06/12/2014		
Run Number	One		
Depth Driller	3365		
Depth Logger	3363		
Bottom Logged Interval	3362		
Top Log Interval	1300		
Casing Driller	8.625 @ 1334		
Casing Logger	1335		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2000		
Density / Viscosity	9.2 57		
pH / Fluid Loss	11.0 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.95 @ 72		
Rmf @ Meas. Temp	0.71 @ 72		
Rmc @ Meas. Temp	1.28 @ 72		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.61 @ 112		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	112		
Equipment Number	91		
Location	Hays		
Recorded By	M. Beougher	D. Schmidt	
Witnessed By	Ryan Thress		

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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.

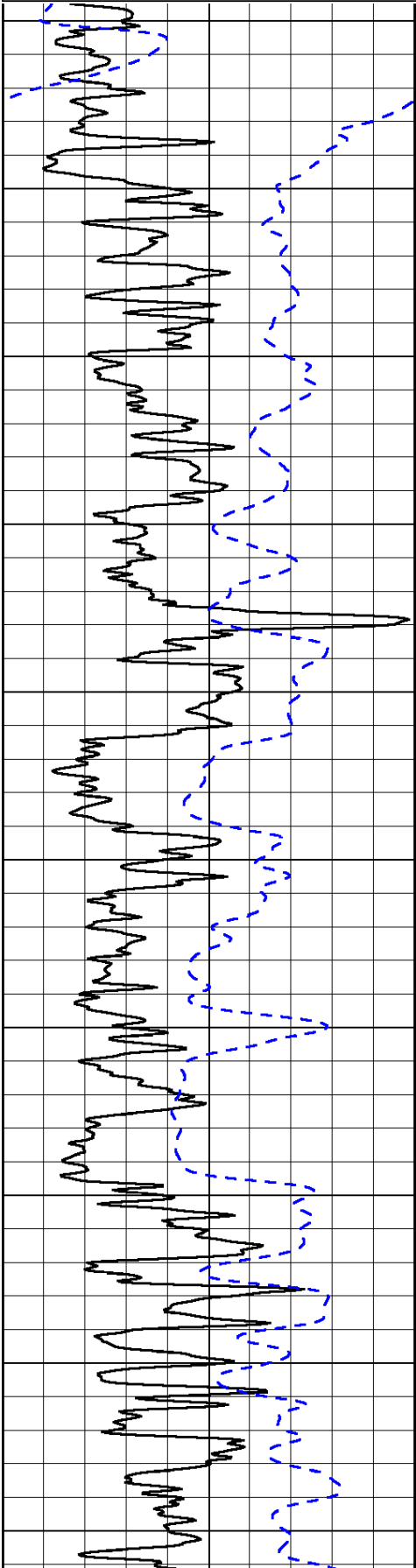
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Great Bend,
South to SE 50 Rd,
East 14 1/2 Miles,
North Into

Database File: c:\warrior\data\berenergy_roetzel 'a' #27\berenergy_roetzel_27hd.db
Dataset Pathname: dil\bestack
Presentation Format: dil2in
Dataset Creation: Thu Jun 12 23:04:39 2014
Charted by: Depth in Feet scaled 1:600

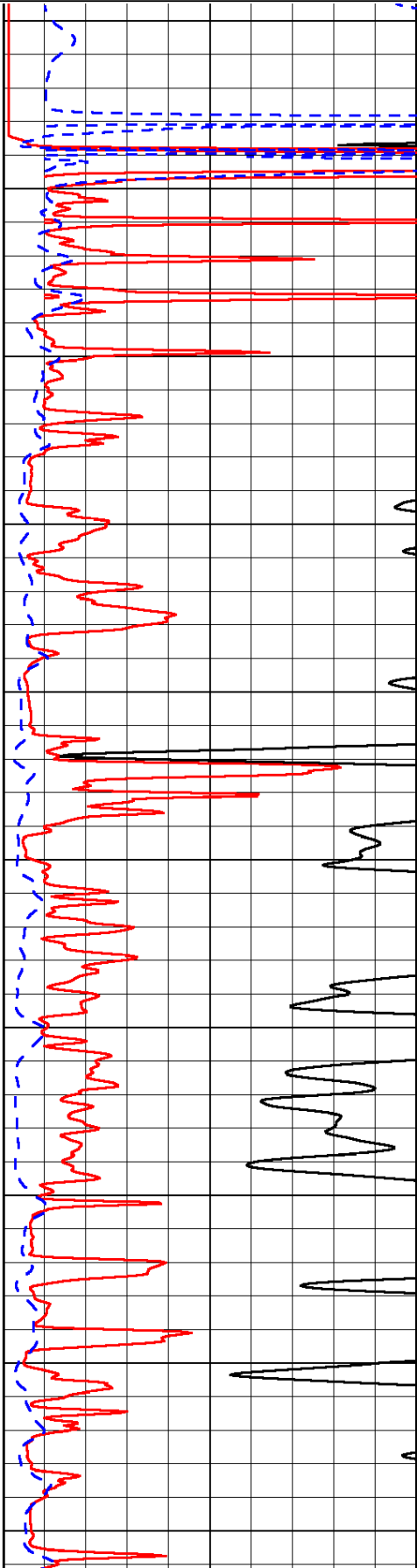
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0

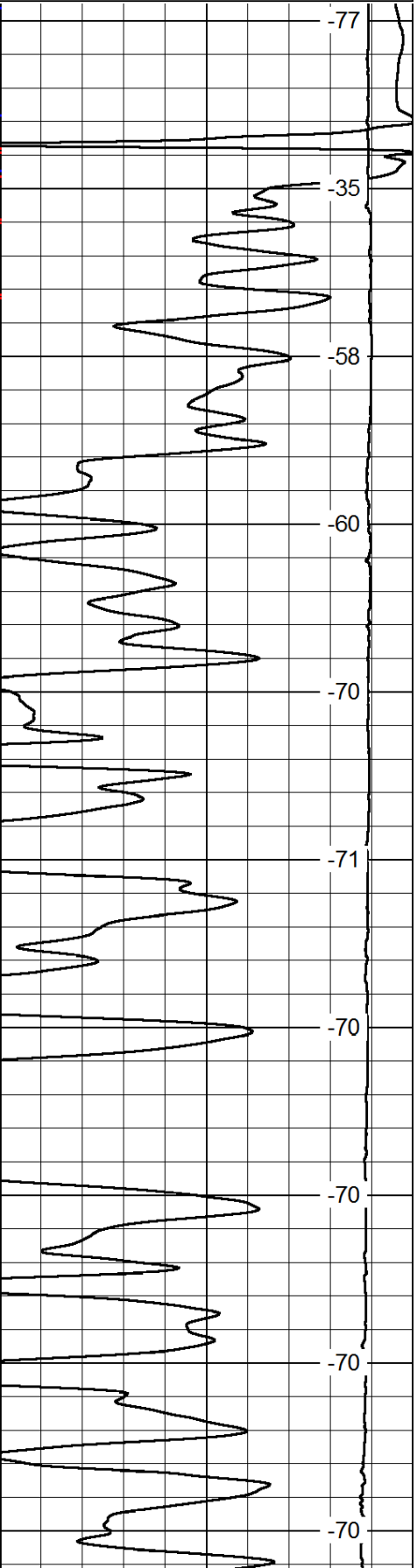


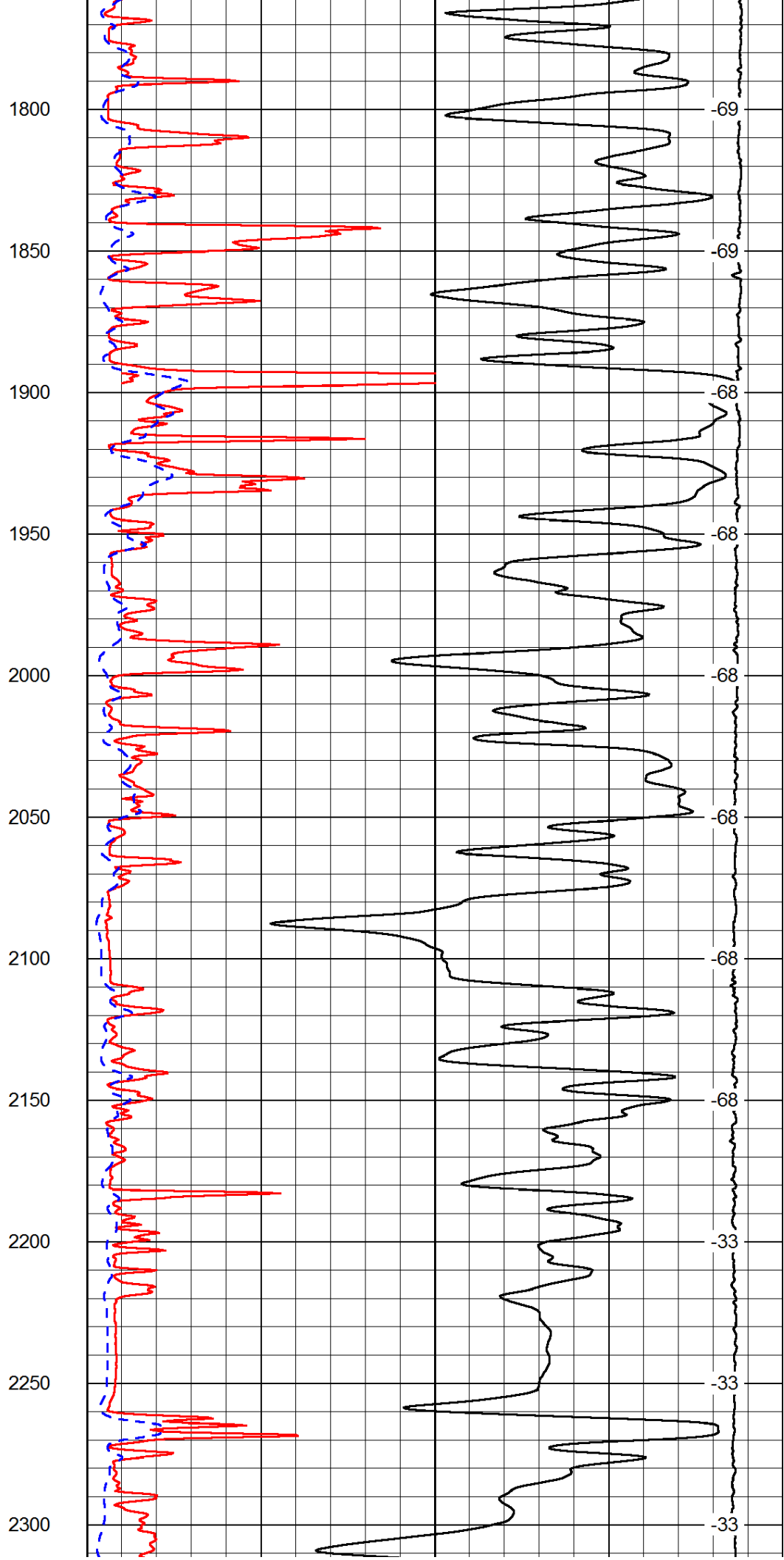
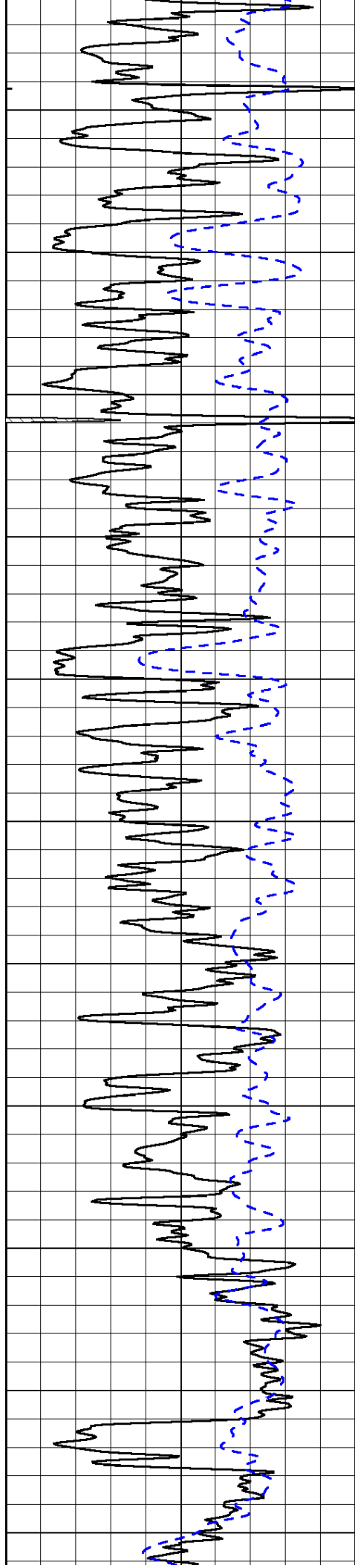
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

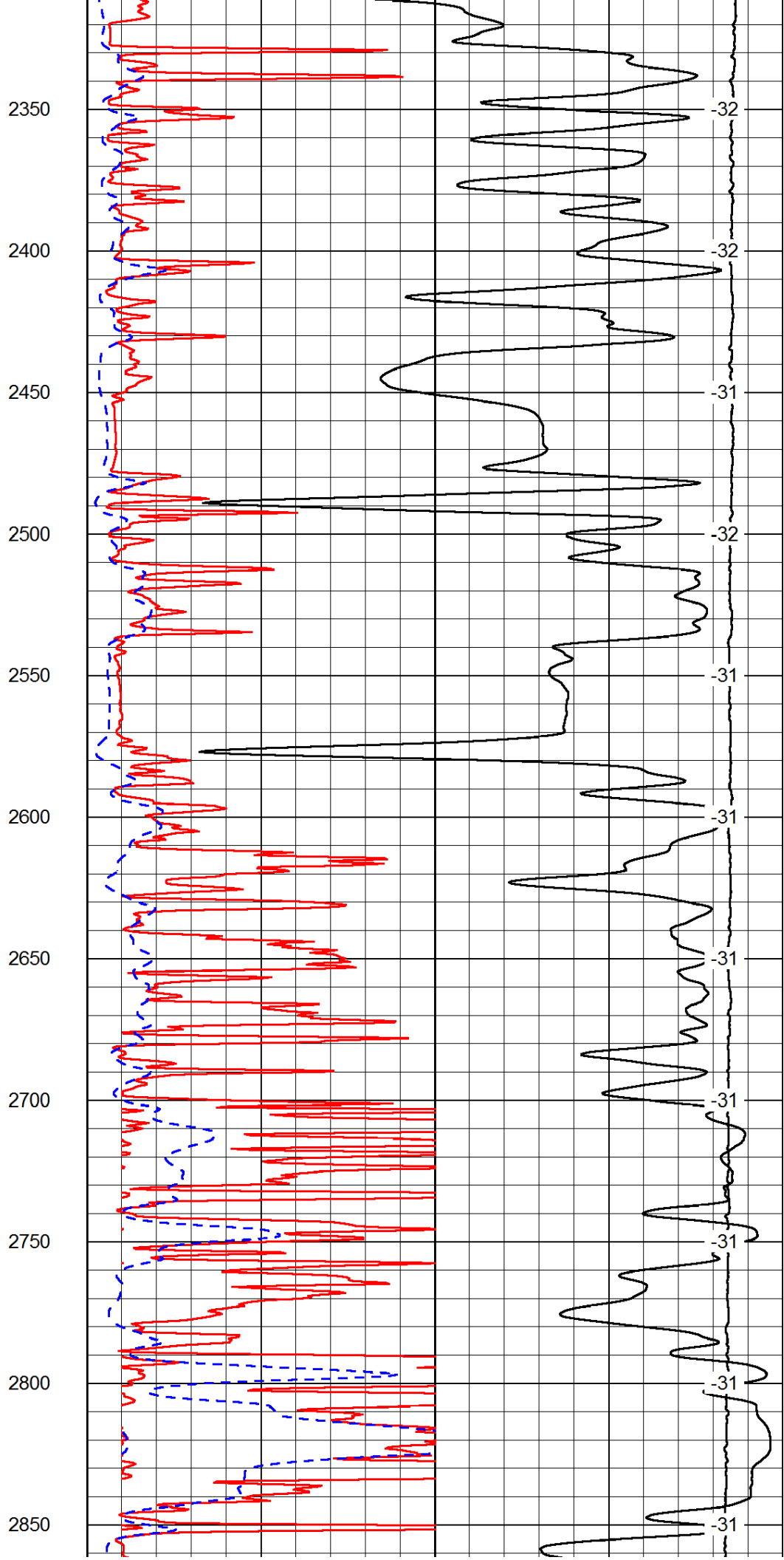
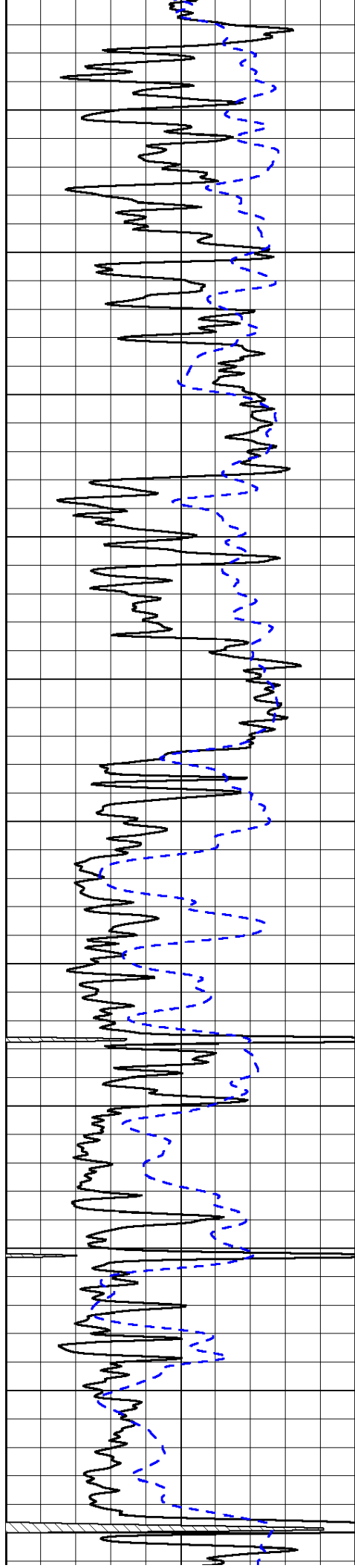
50	Shallow Resistivity	500
50	Deep Resistivity	500

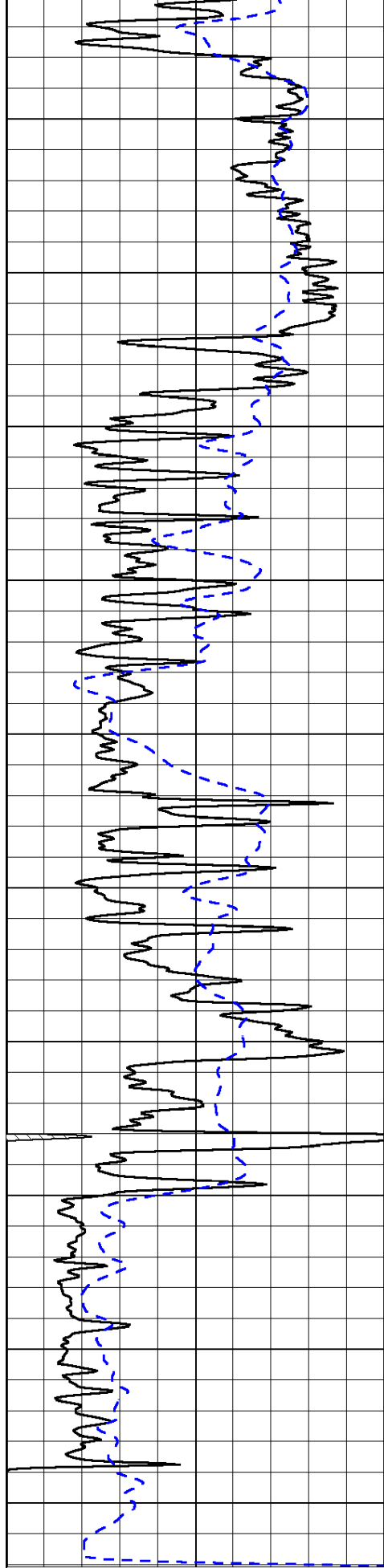


LSPD	0
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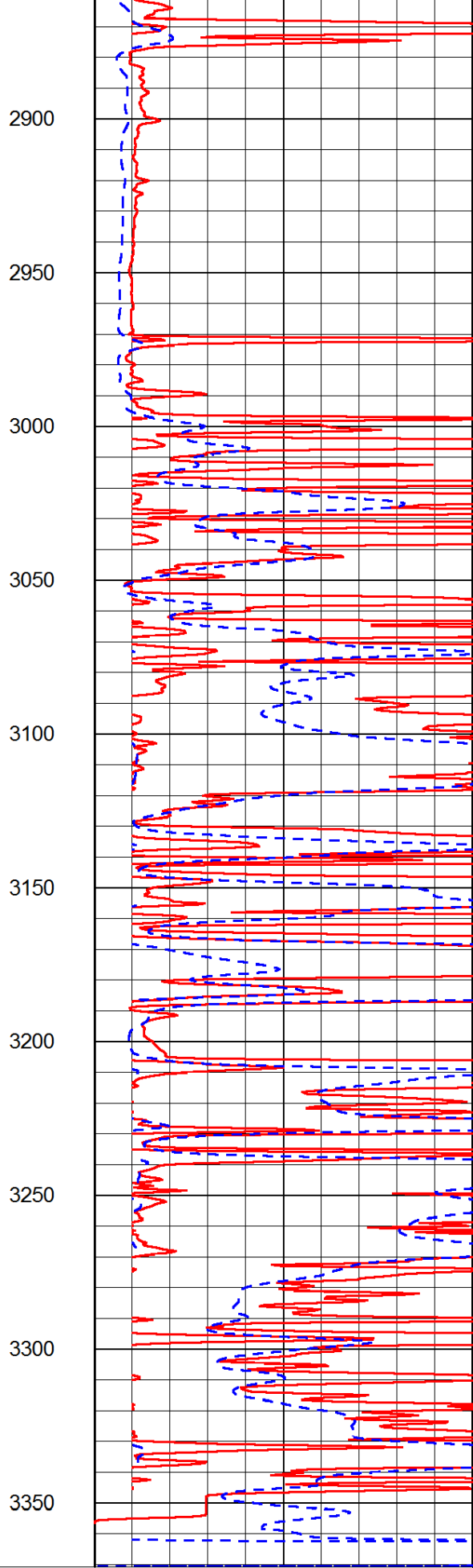




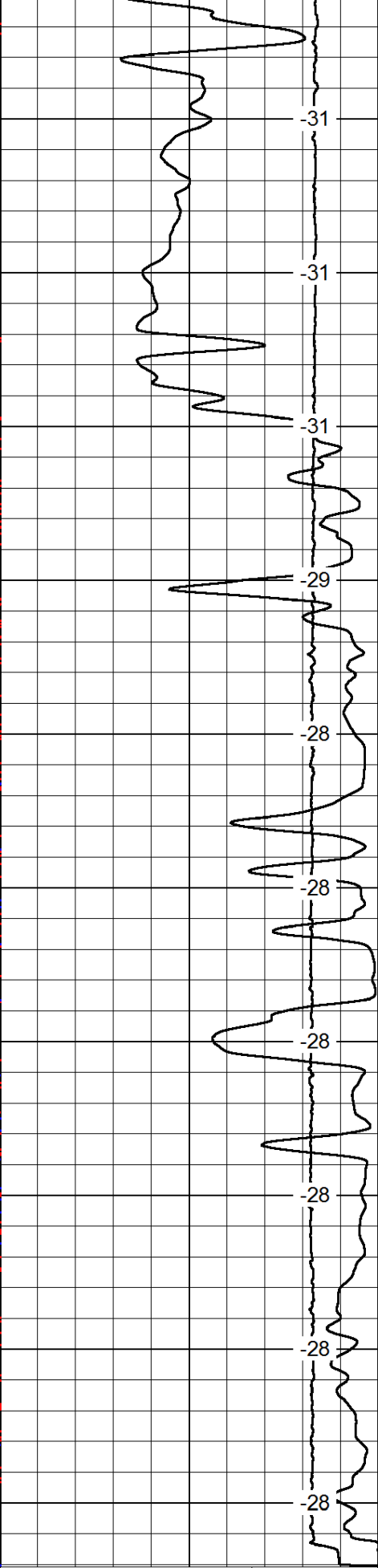




0 Gamma Ray 150
-200 SP (mV) 0



0 Shallow Resistivity 50
0 Deep Resistivity 50



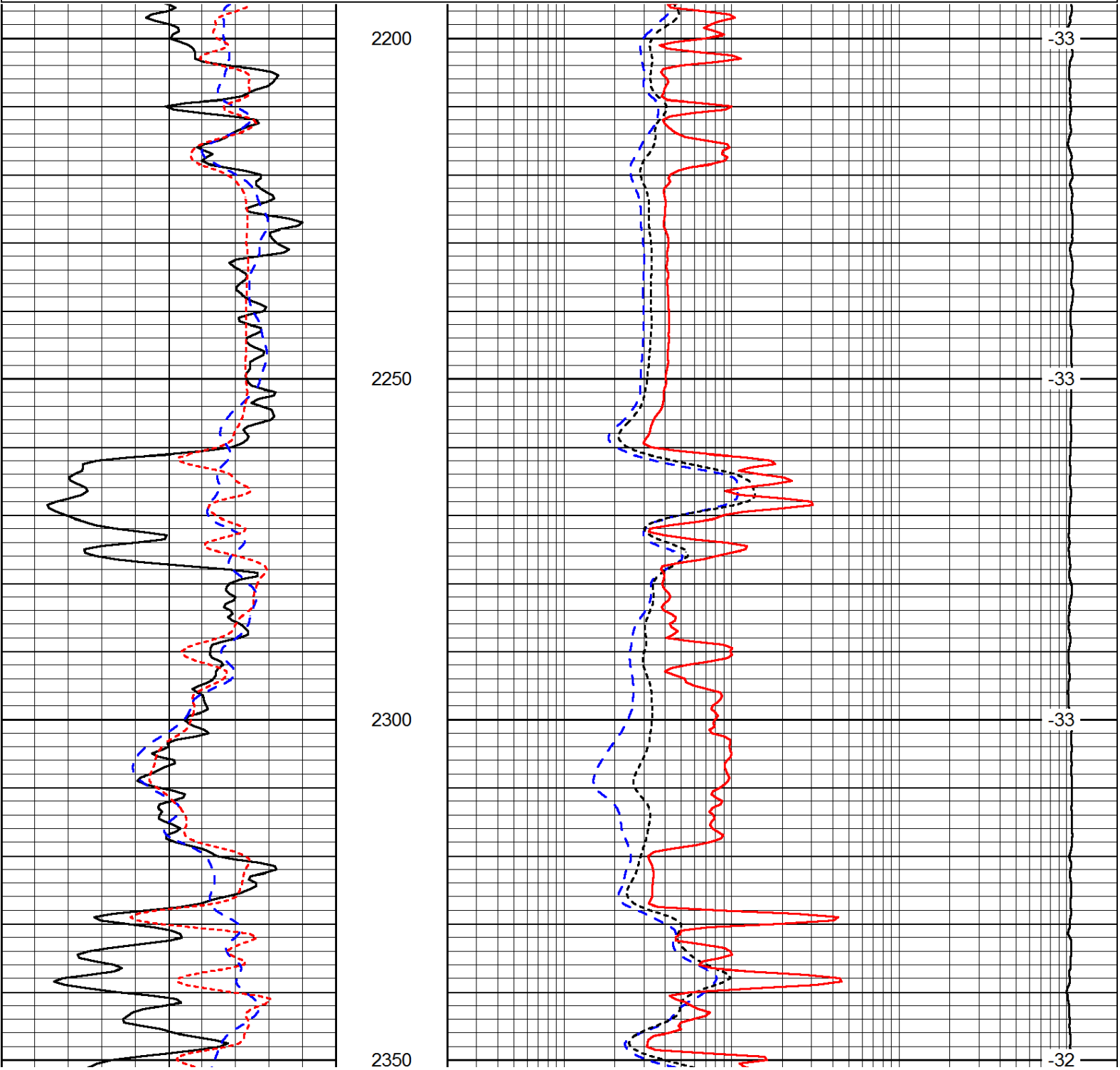
LSPD

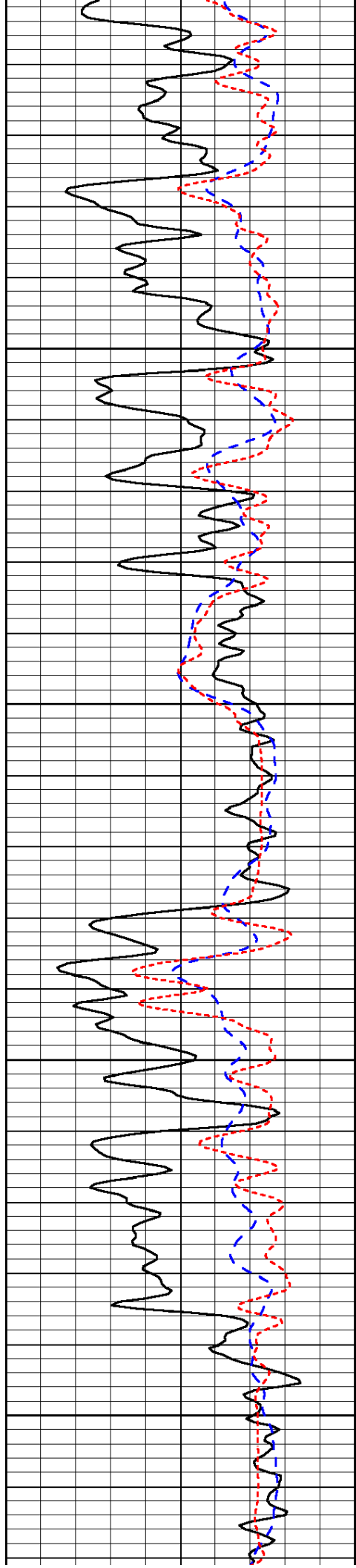
1000 Conductivity 0
45000

15000			Line Tension			0
50	Shallow Resistivity		500			
50	Deep Resistivity		500			

Database File:	c:\warrior\data\berenergy_roetzel 'a' #27\berenergy_roetzel_27hd.db					
Dataset Pathname:	dil/bestack					
Presentation Format:	dil					
Dataset Creation:	Thu Jun 12 23:04:39 2014					
Charted by:	Depth in Feet scaled 1:240					

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	RxoRt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
					LSPD



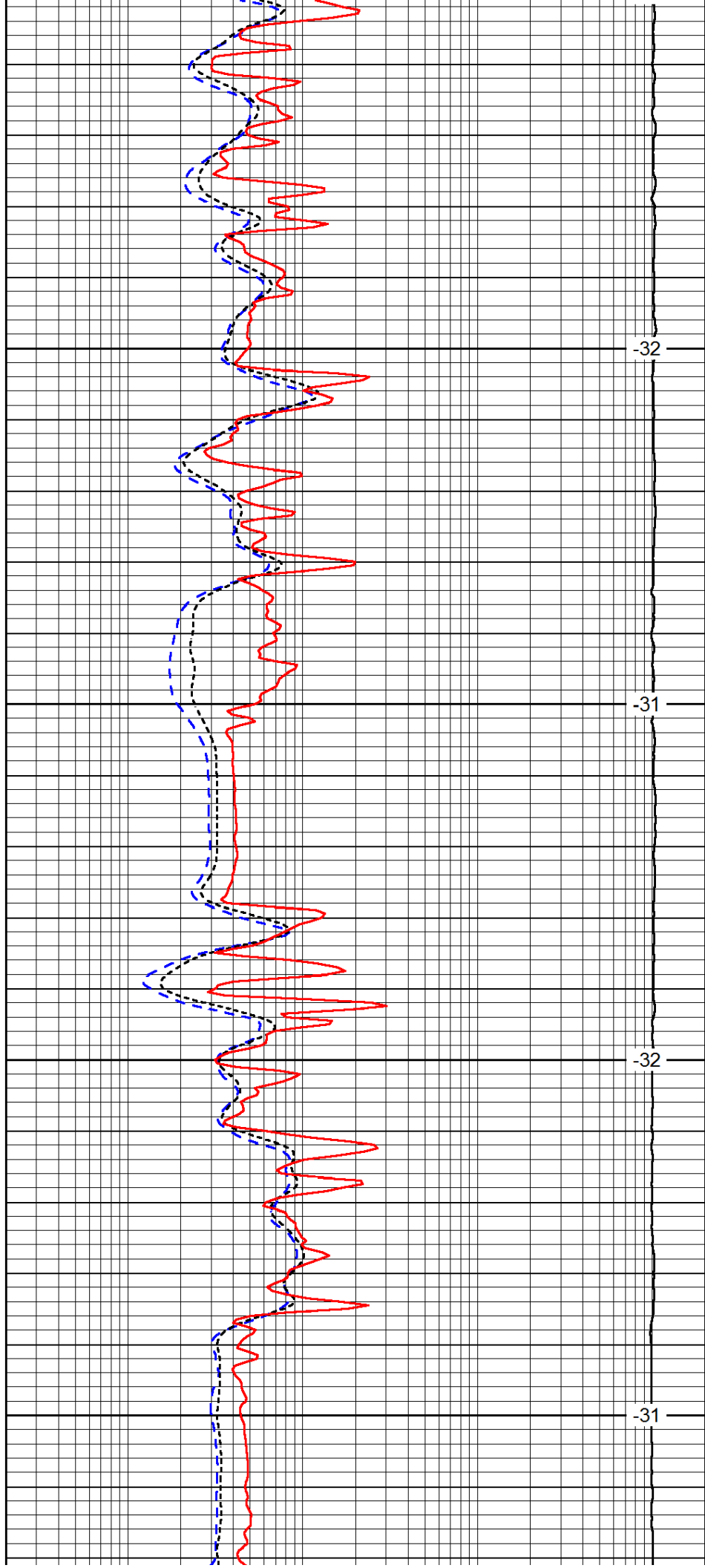


2400

2450

2500

2550

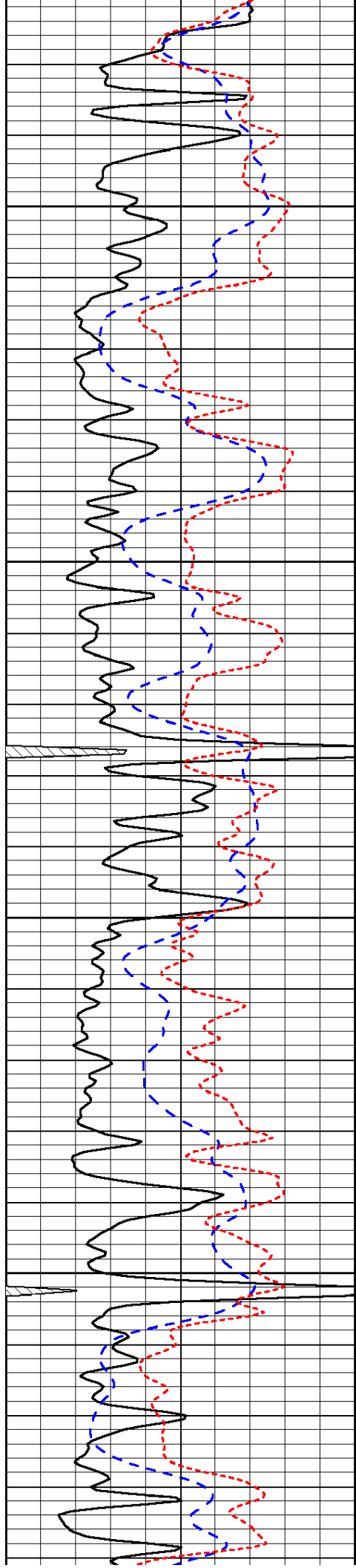


-32

-31

-32

-31

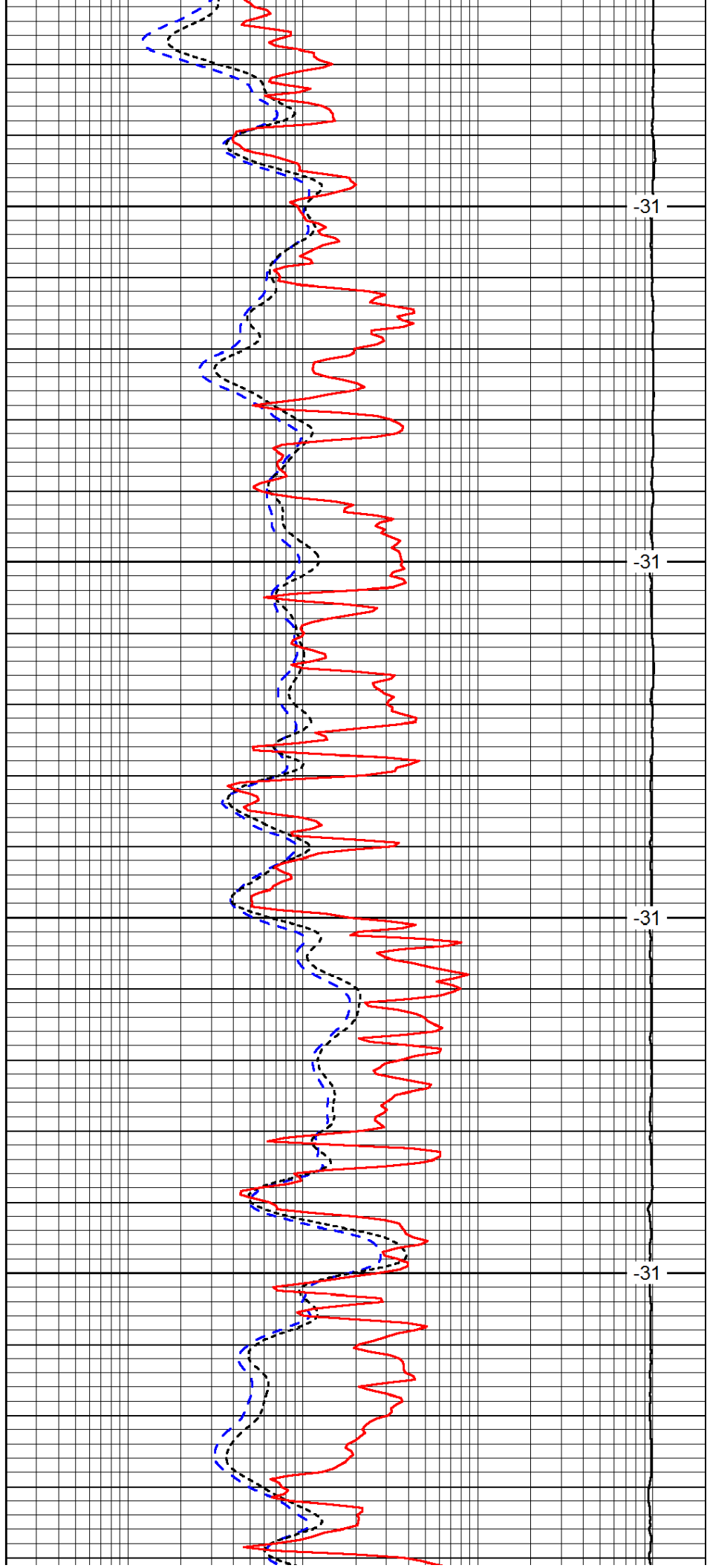


2600

2650

2700

2750

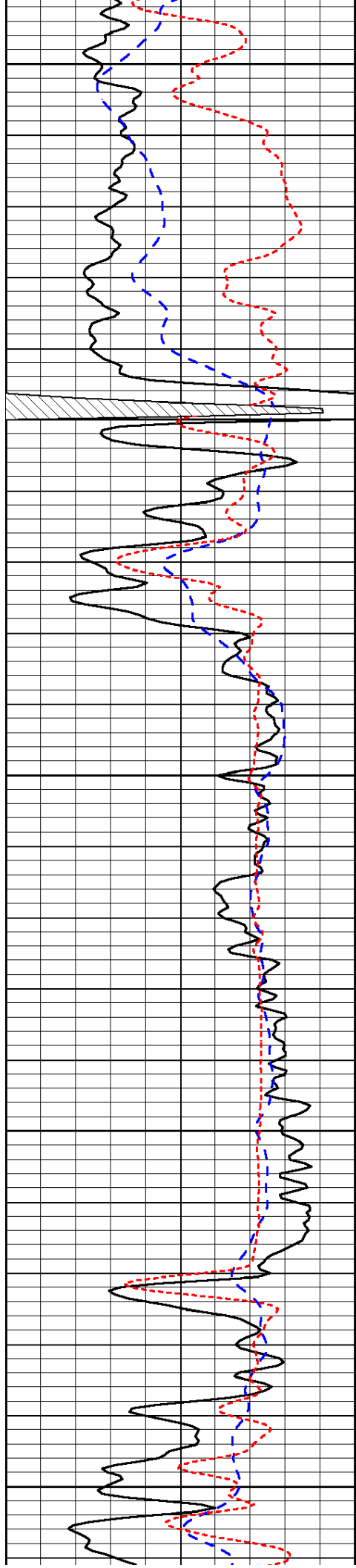


-31

-31

-31

-31



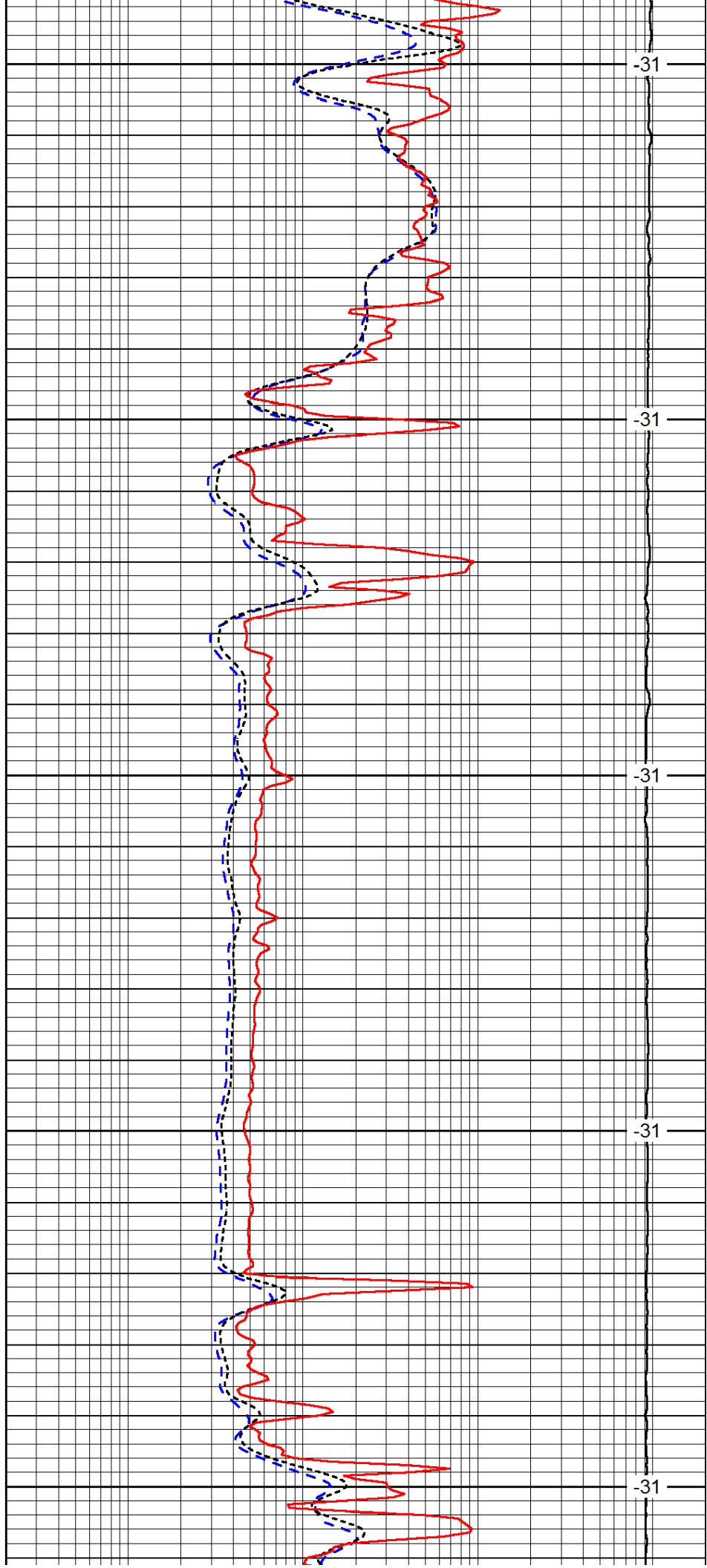
2800

2850

2900

2950

3000



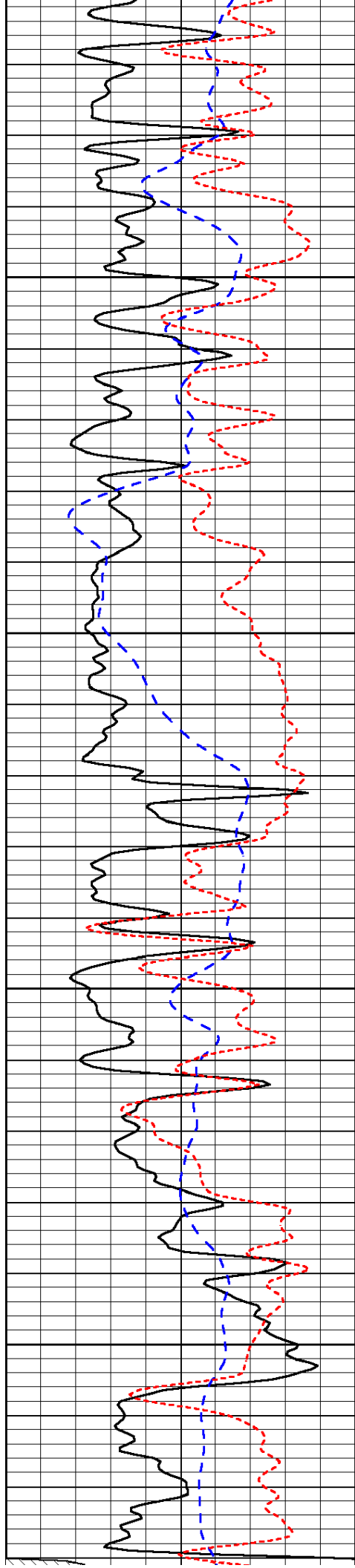
-31

-31

-31

-31

-31

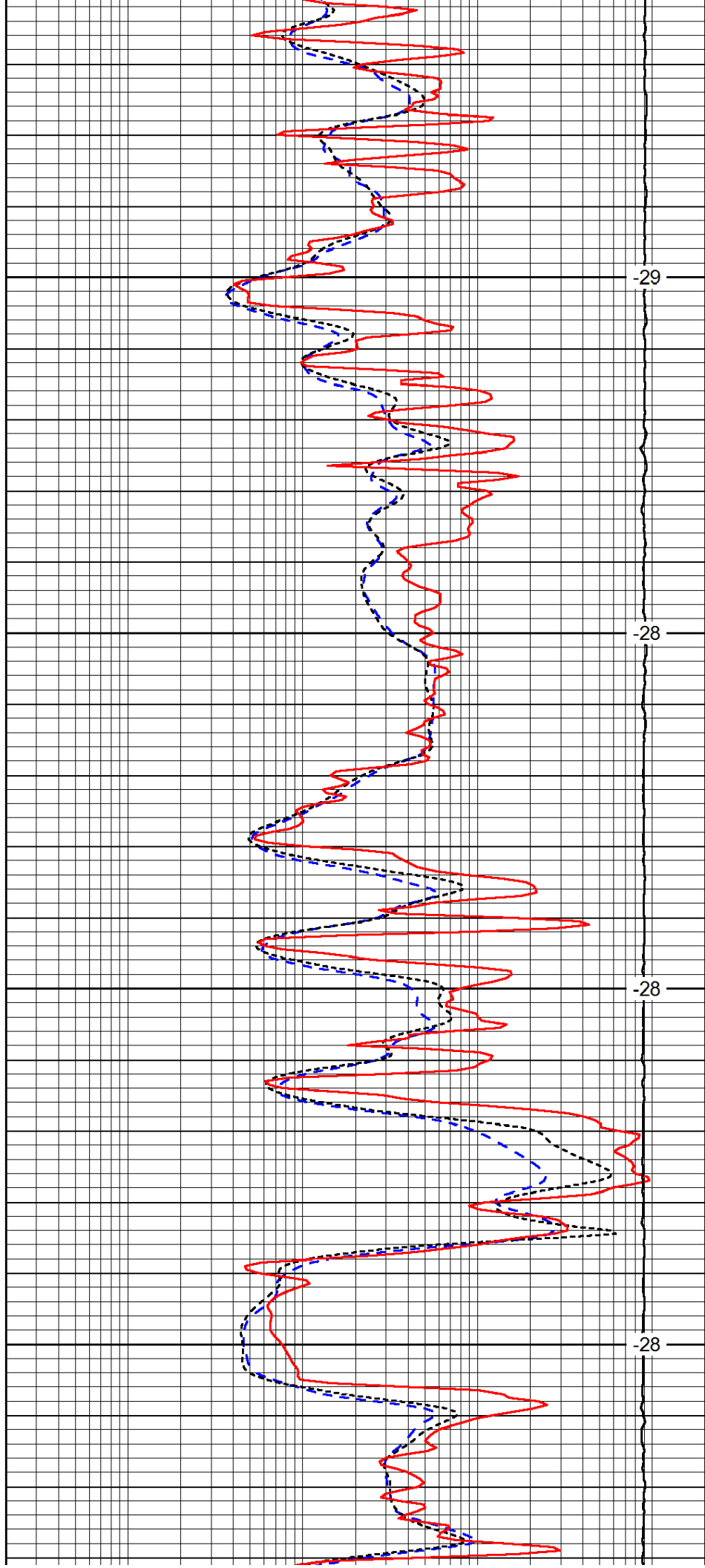


3050

3100

3150

3200

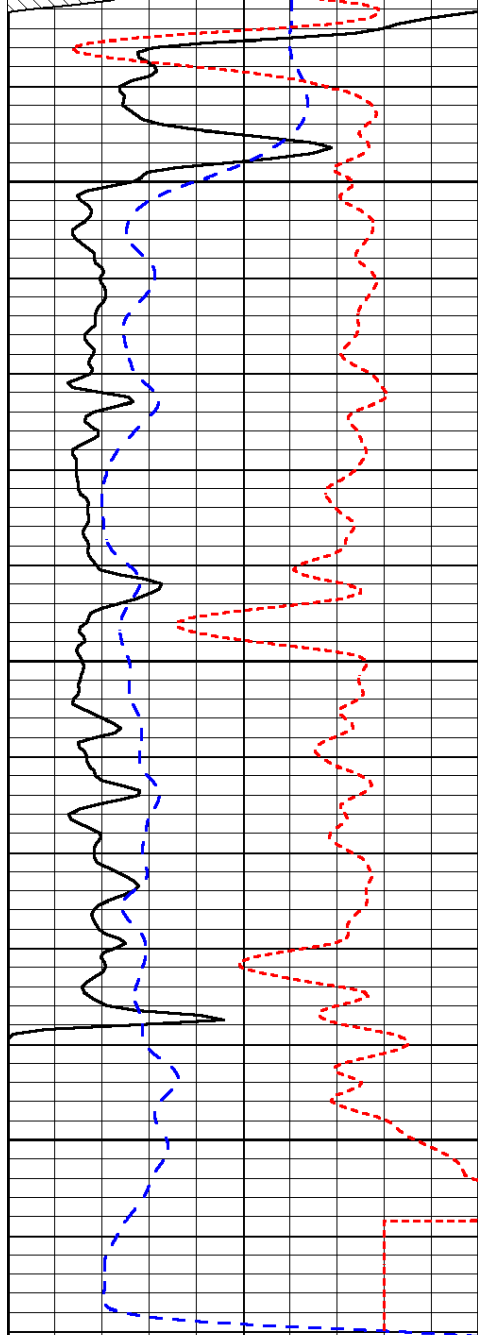


-29

-28

-28

-28

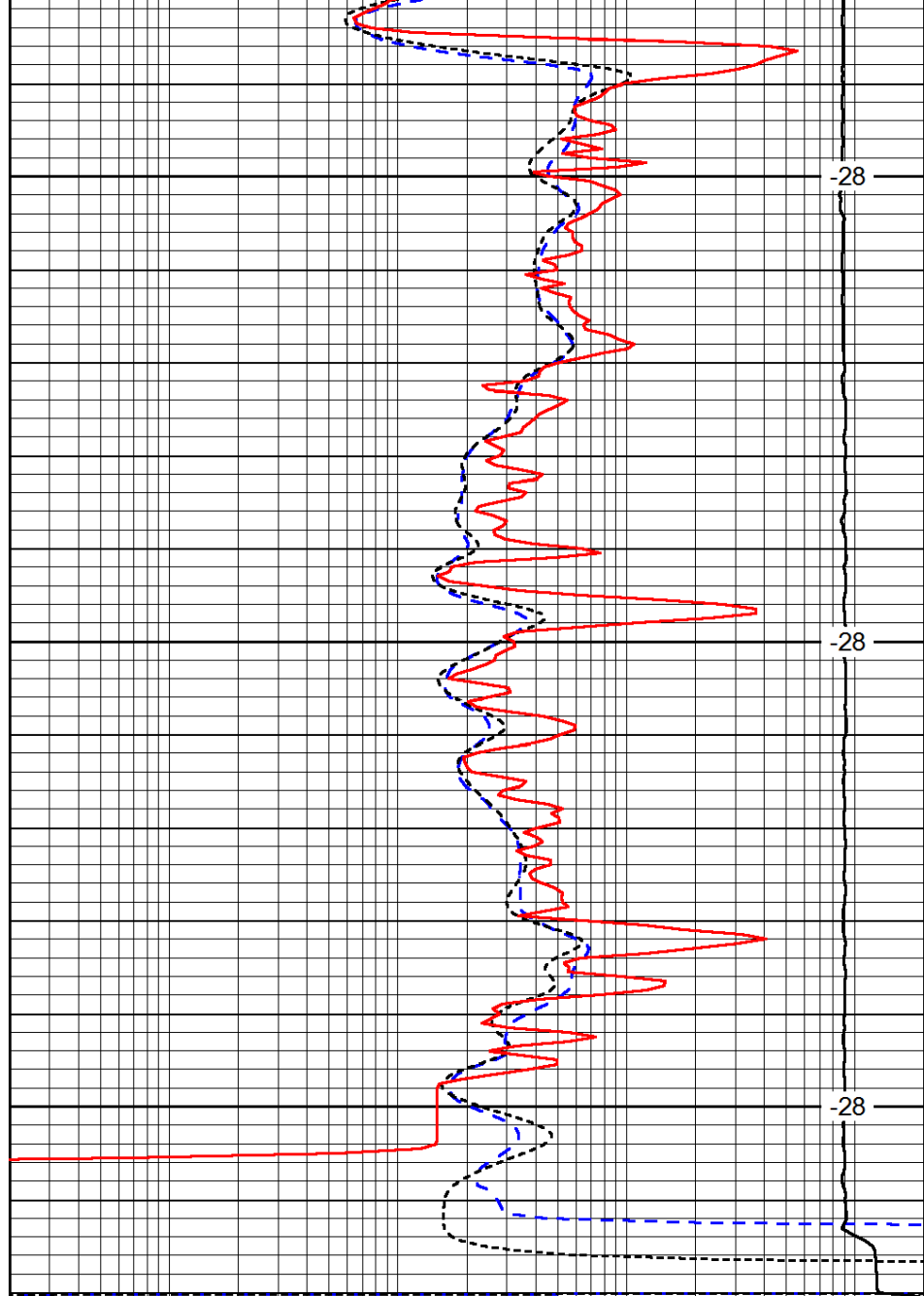


0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

3250

3300

3350



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

LSPD