



Dual Induction Log

Pioneer Energy Services

API No.		Company RJM Company	
15-009-25,815-00-00		Well Doll # 3	
		Field Ames	
		County Barton State Kansas	
Location		330' FSL & 1860' FWL	
Sec: 27		Twp: 18S Rge: 11W	
Permanent Datum		Ground Level	
Log Measured From		Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Date		3/10/2013	
Run Number		One	
Depth Driller		3455	
Depth Logger		3458	
Bottom Logged Interval		3457	
Top Log Interval		250	
Casing Driller		8.625 @ 297	
Casing Logger		299	
Bit Size		7.875	
Type Fluid in Hole		Chemical	
Salinity, ppm CL		5000	
Density / Viscosity		9.3 49	
pH / Fluid Loss		9.0 8.8	
Source of Sample		Flowline	
Rm @ Meas. Temp		.75 @ 60	
Rmf @ Meas. Temp		.56 @ 60	
Rmc @ Meas. Temp		1.01 @ 60	
Source of Rmf / Rmc		Charts	
Rm @ BHT		.41 @ 110	
Operating Rig Time		4 Hours	
Max Rec. Temp. F		110	
Equipment Number		15	
Location		Hays	
Recorded By		D. Kerr	
Witnessed By		Wyatt Urban	

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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

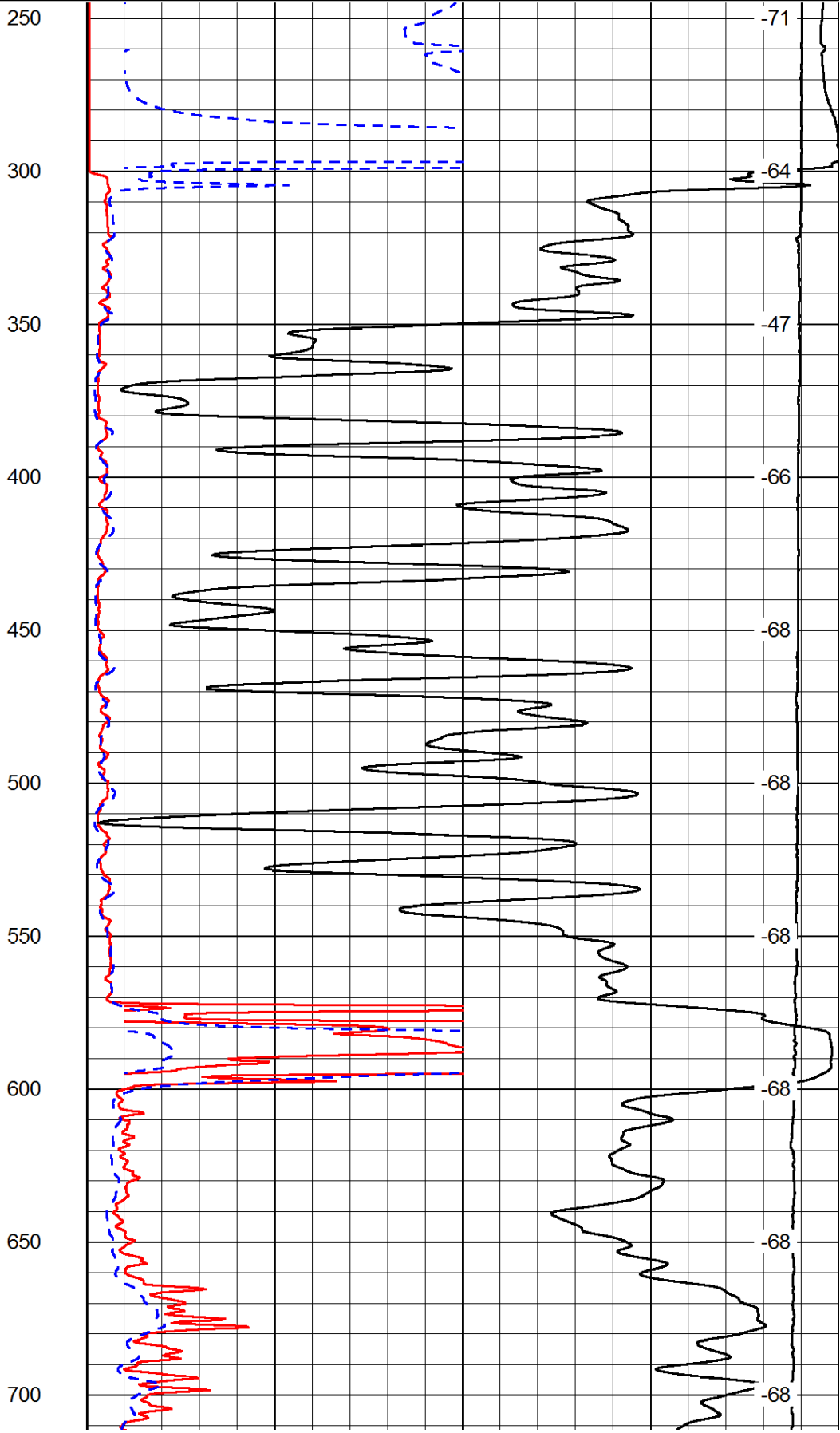
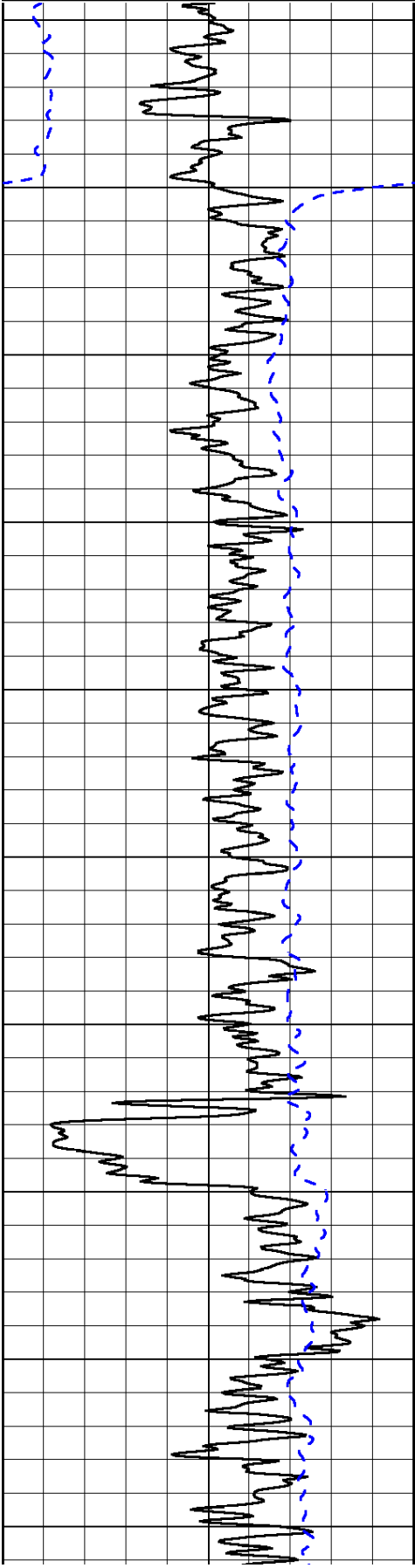
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

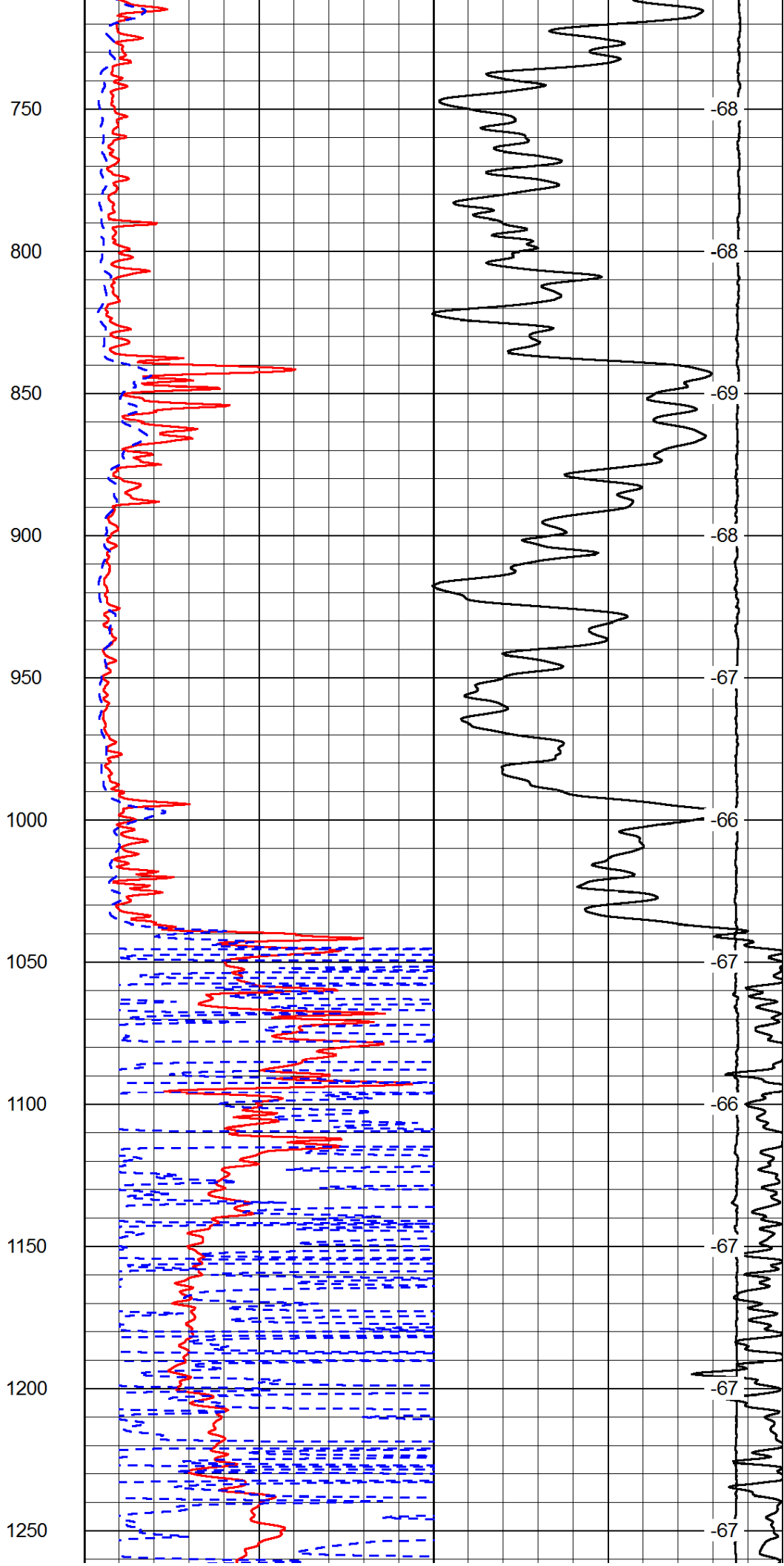
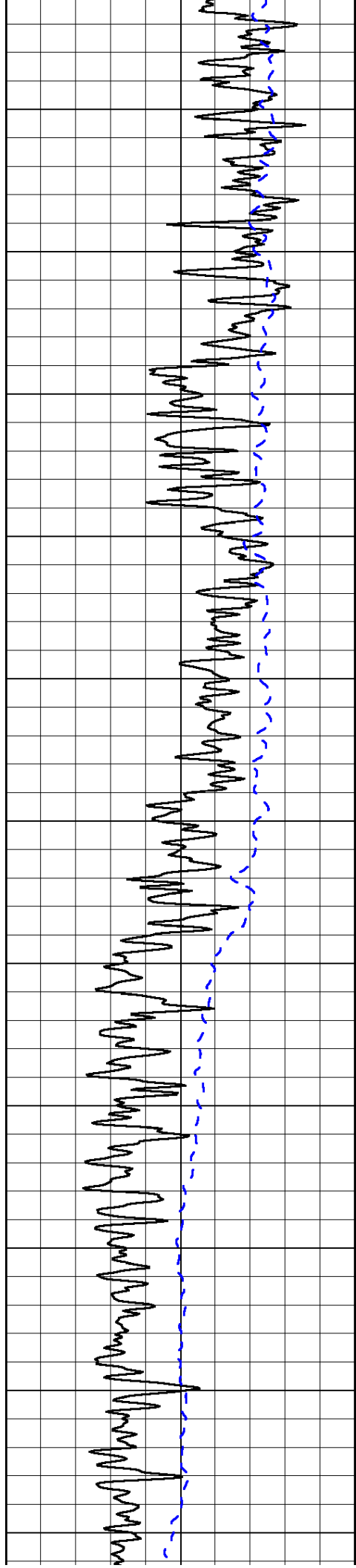
Claffin KS, 5 South

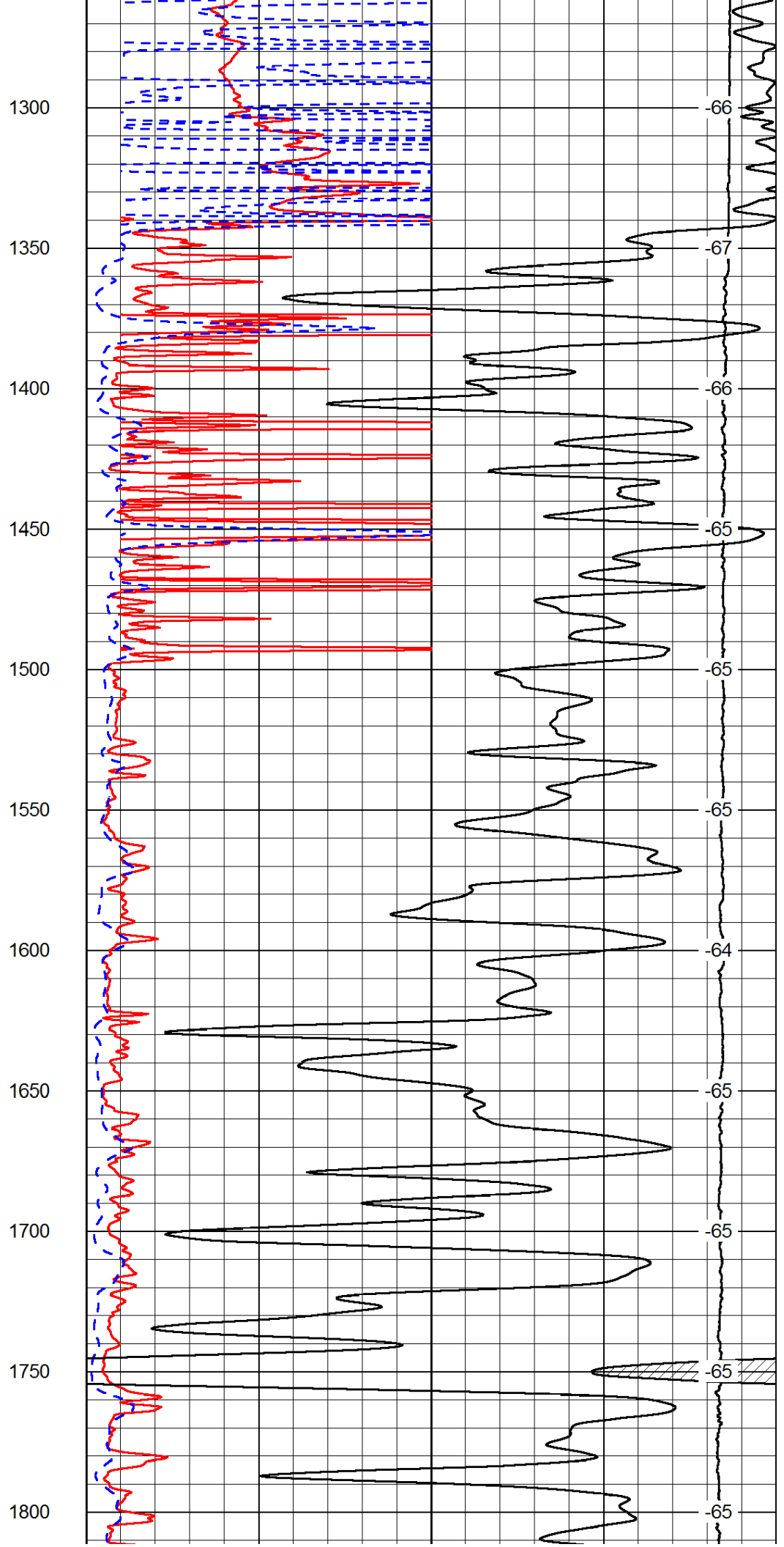
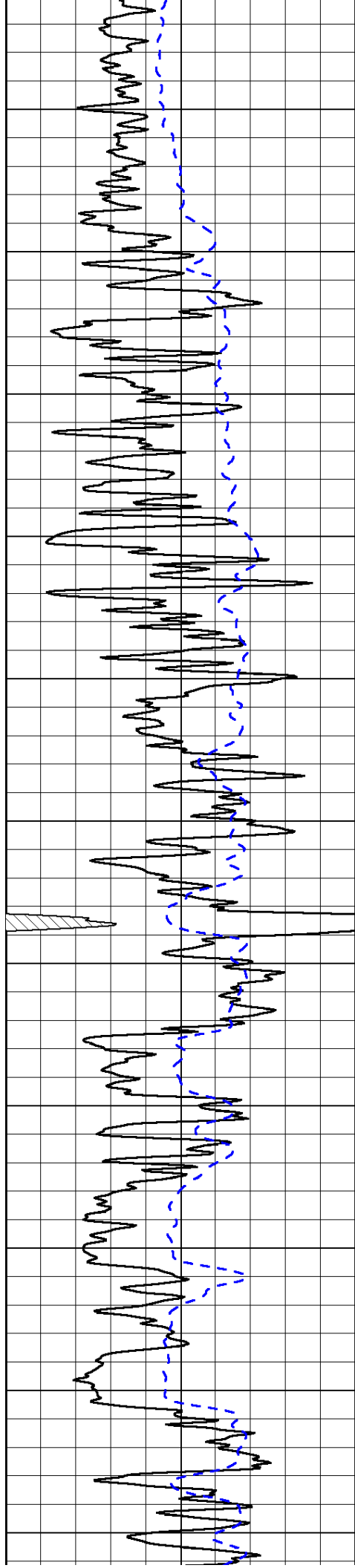
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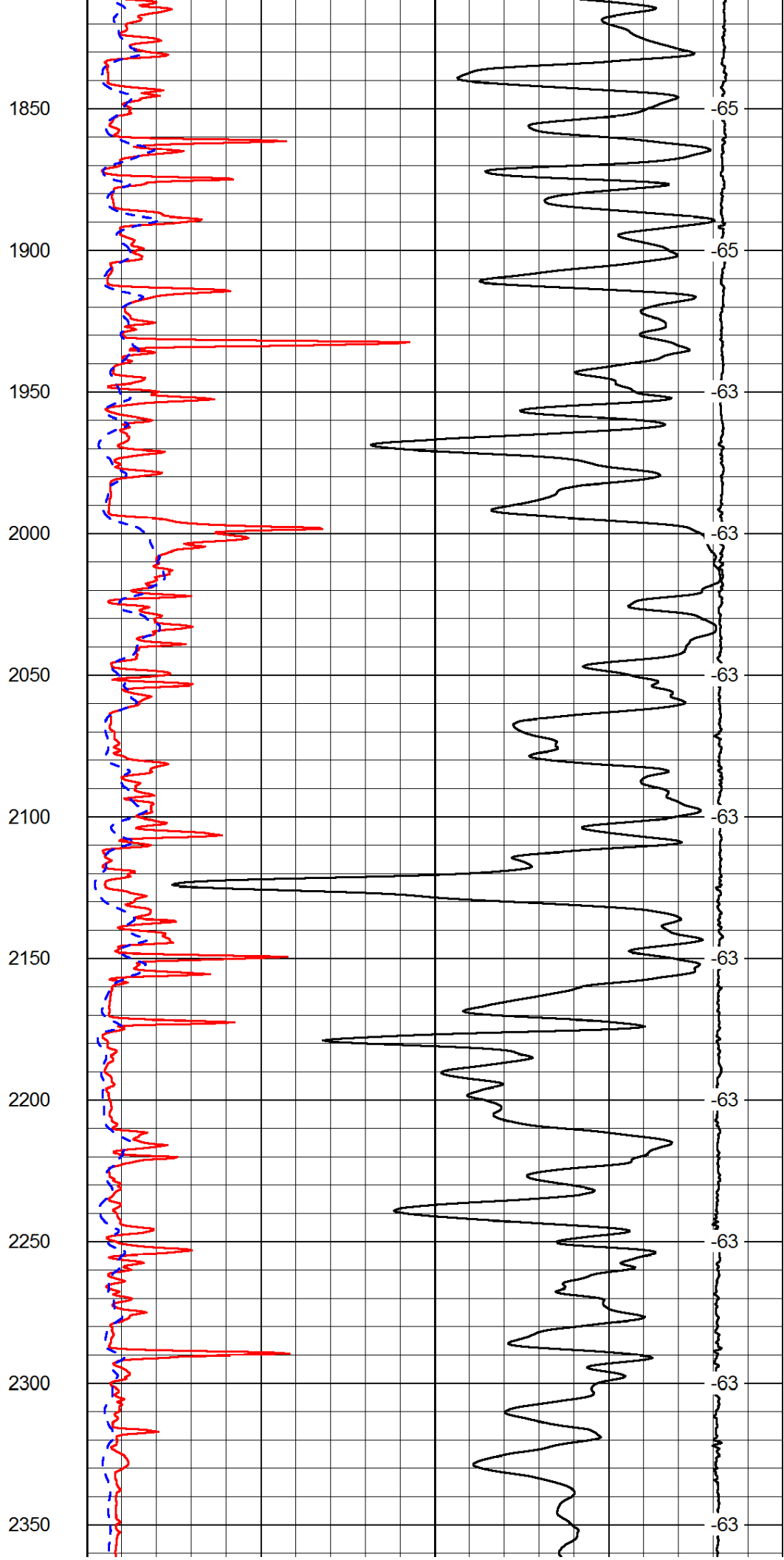
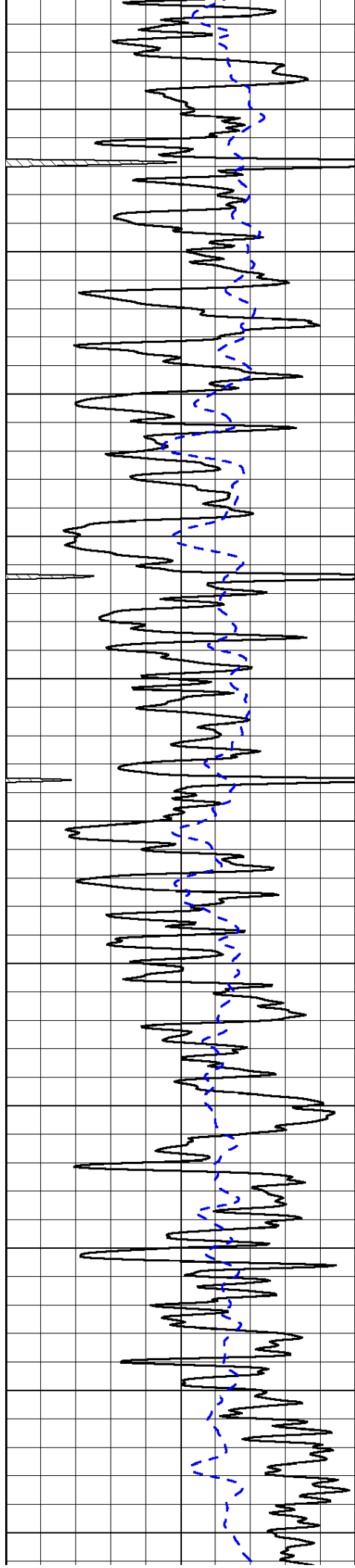
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-200	SP (mV)	0

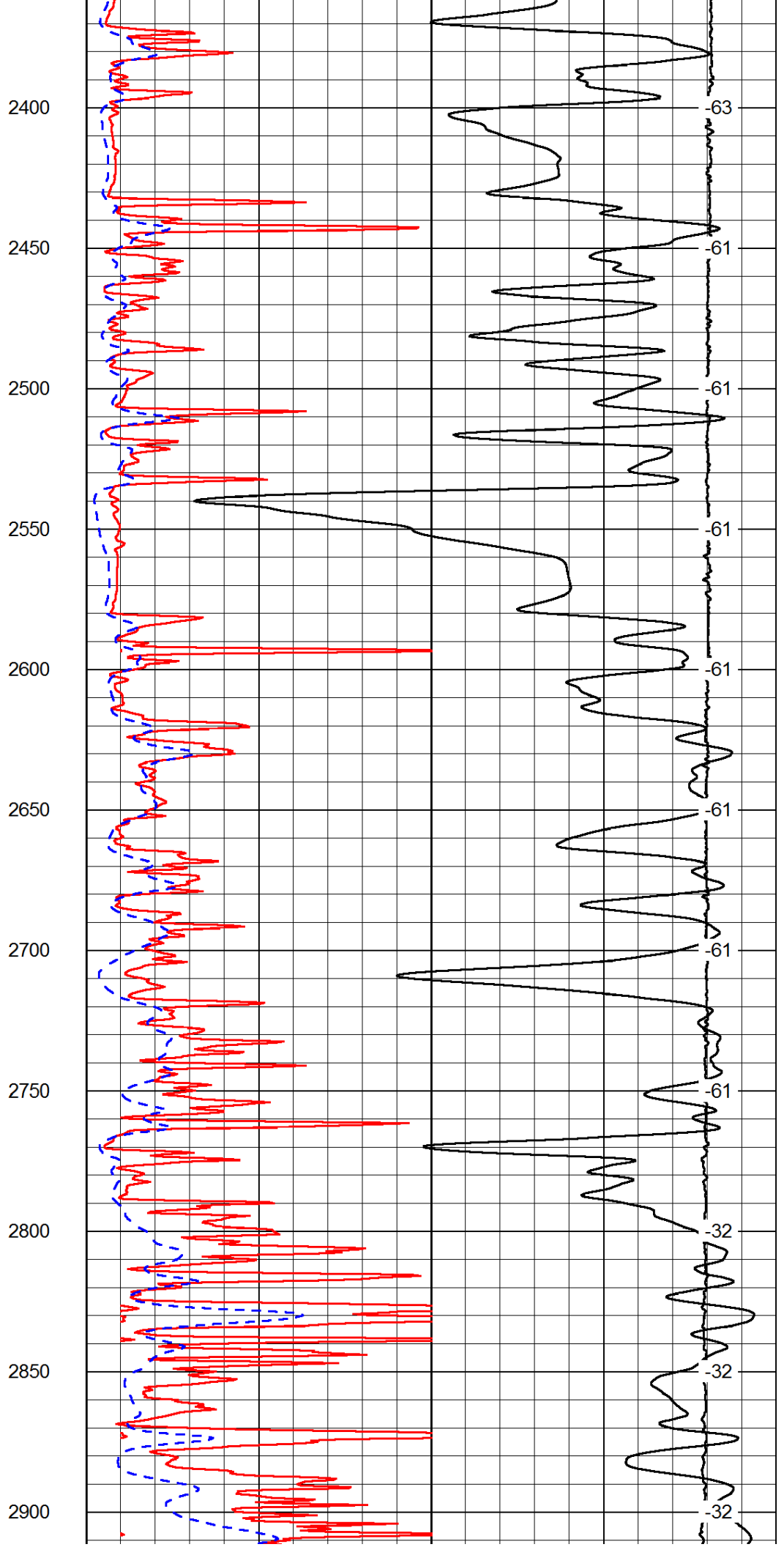
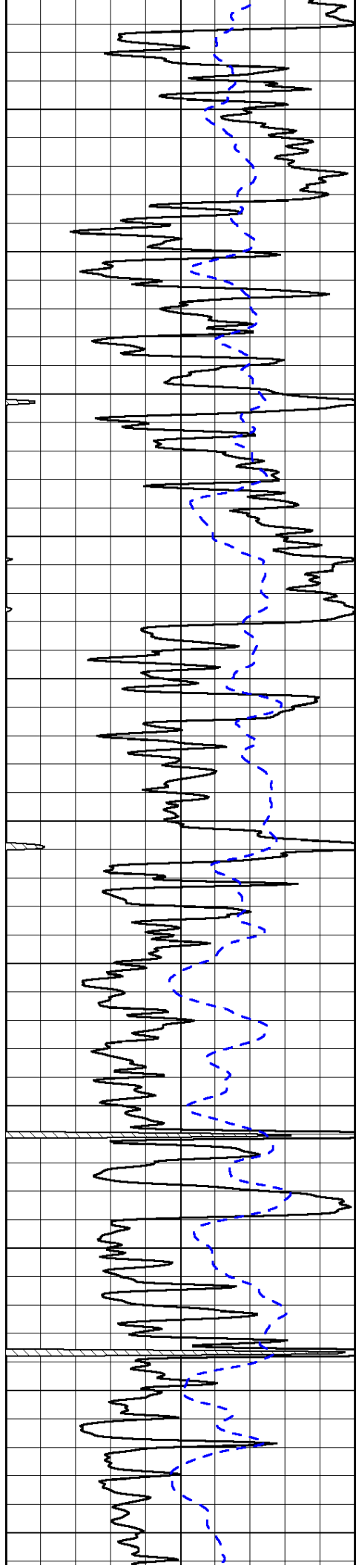
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

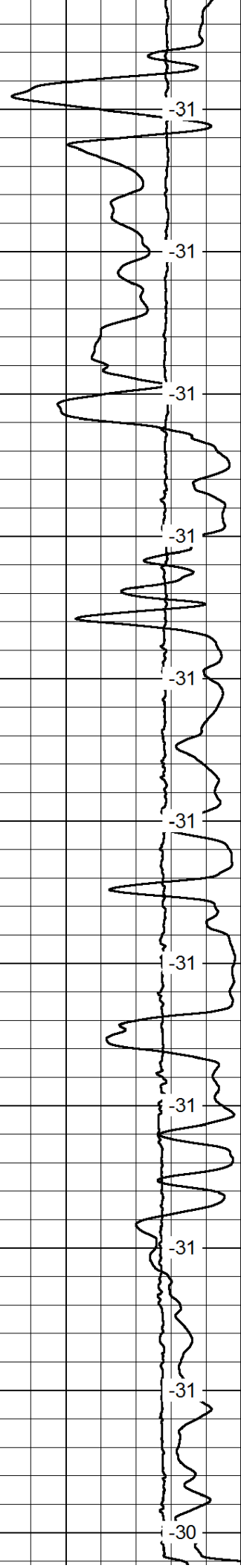
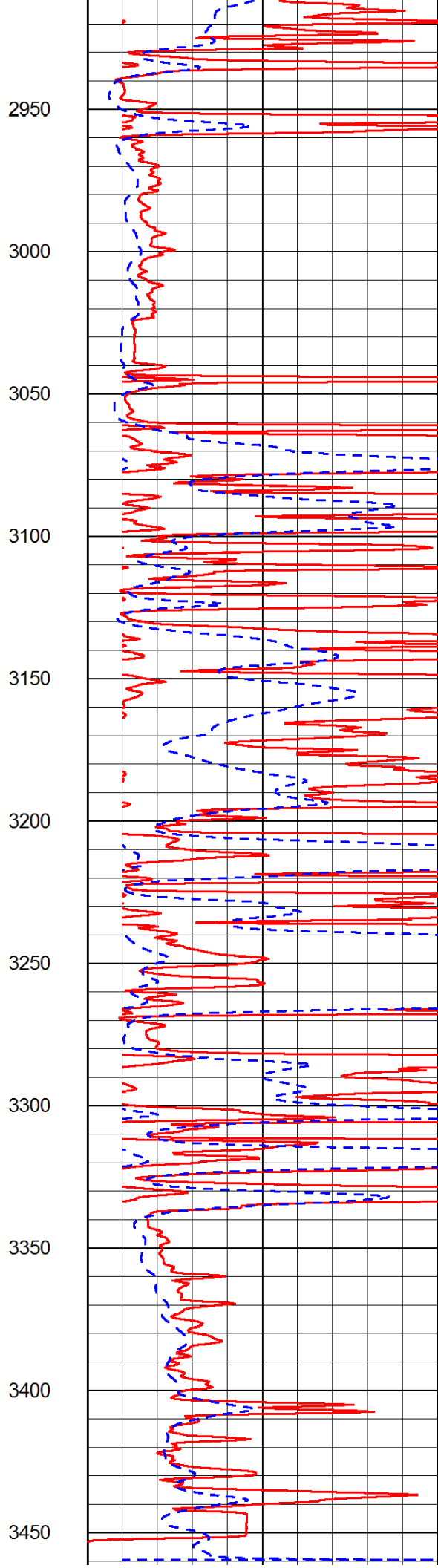
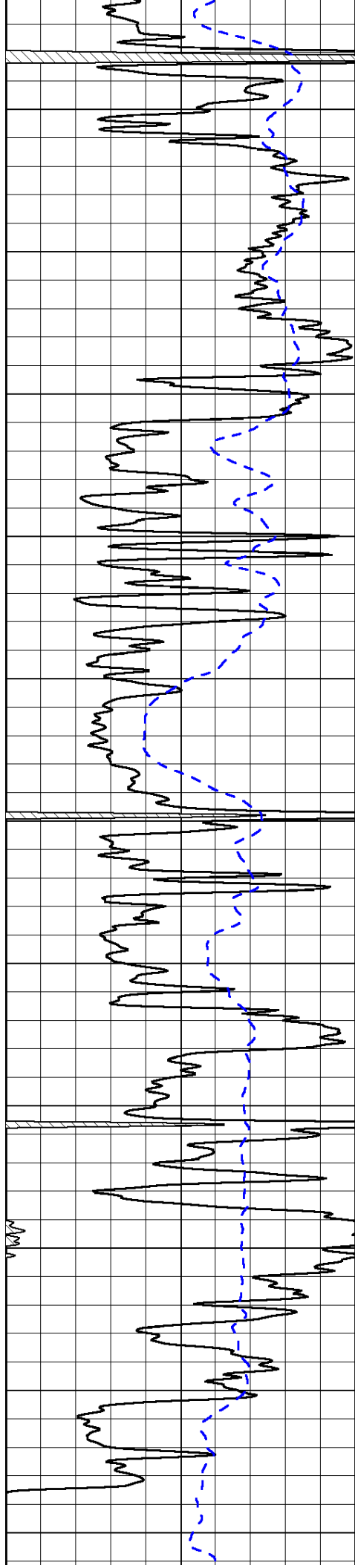






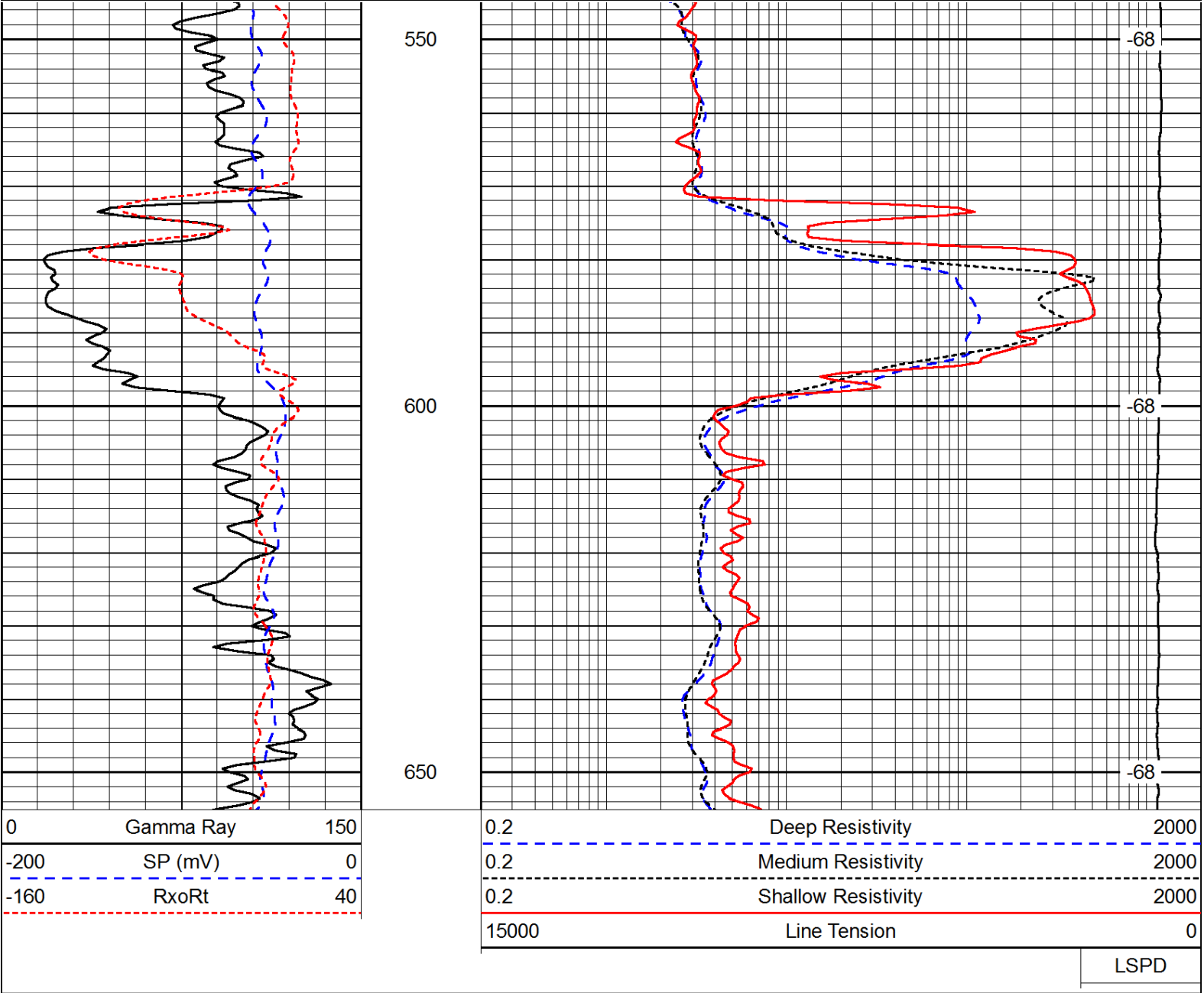






0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD
-200	SP (mV)	0	0	Deep Resistivity	50	
1000					Conductivity	0
15000					Line Tension	0
50	Shallow Resistivity	500				
50	Deep Resistivity	500				

Database File:		c:\warrior\data\rjm_doll #3\rjm_doll_3hd.db				
Dataset Pathname:		DIL/rjmstk				
Presentation Format:		dil				
Dataset Creation:		Sun Mar 10 14:43:53 2013				
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

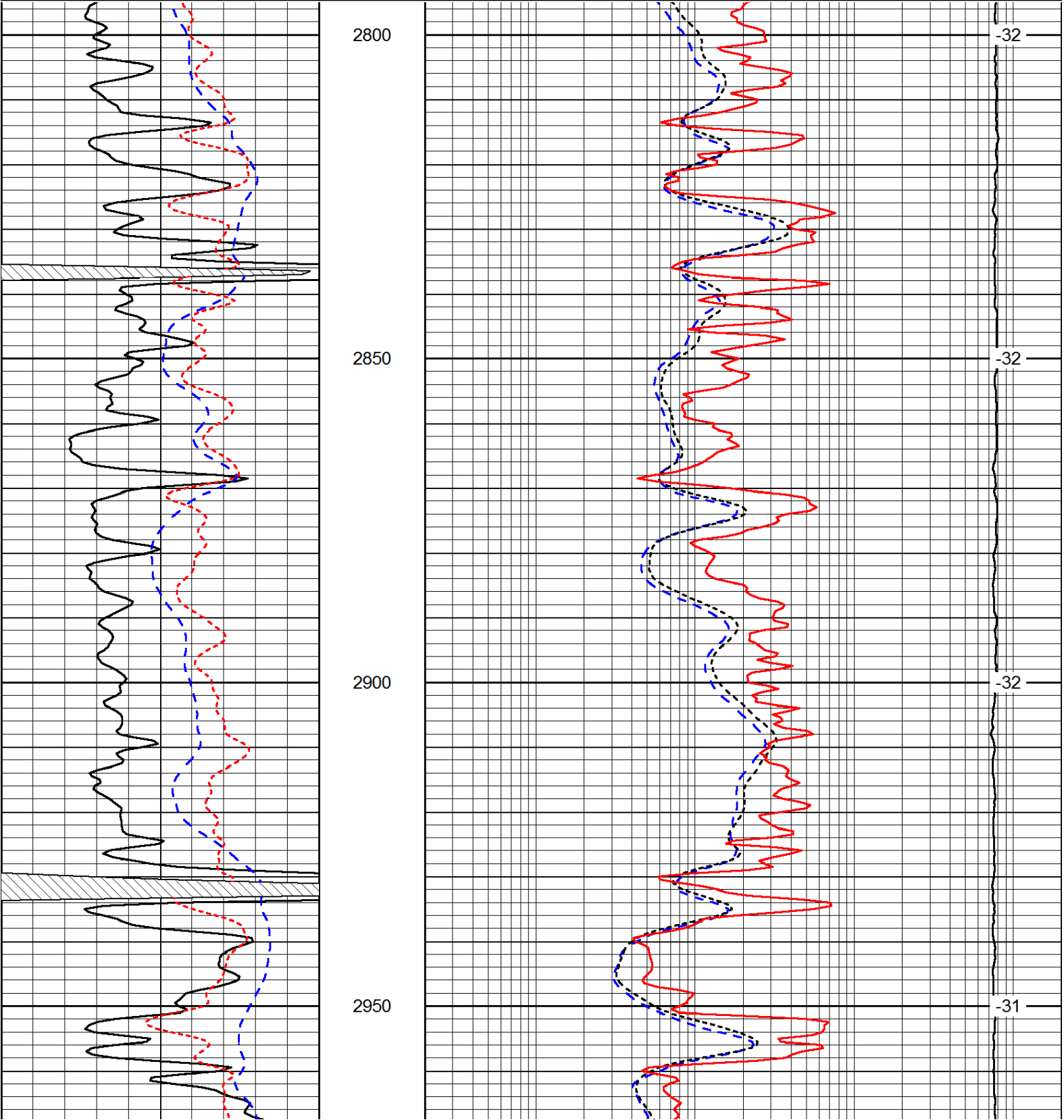


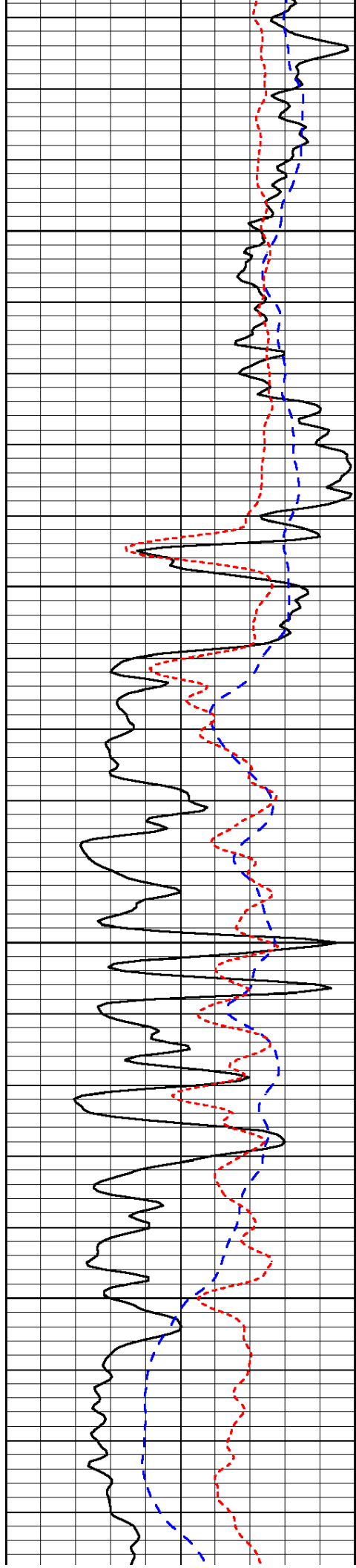
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Presentation Format: dil
Dataset Creation: Sun Mar 10 14:43:53 2013
Charted by: Depth in Feet scaled 1:240

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

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

LSPD



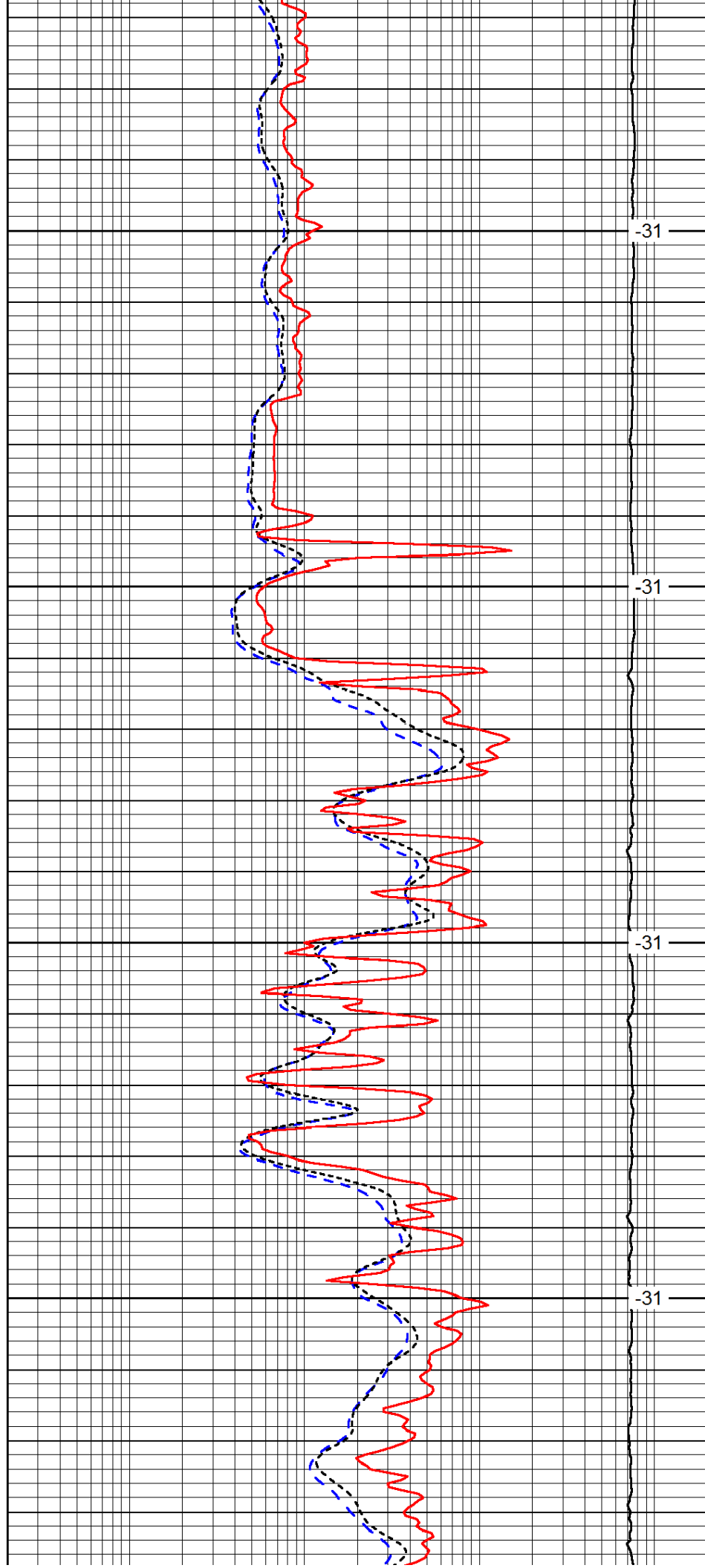


3000

3050

3100

3150

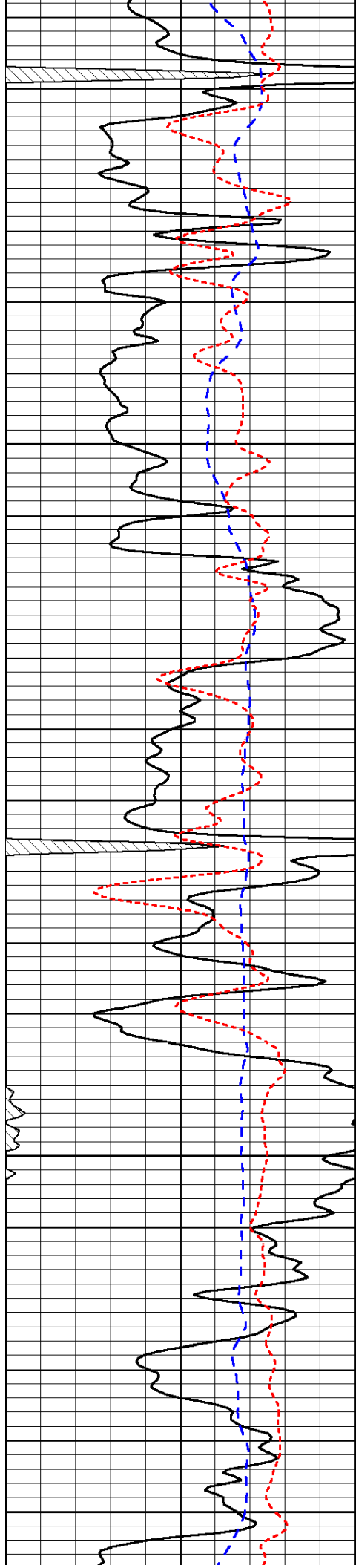


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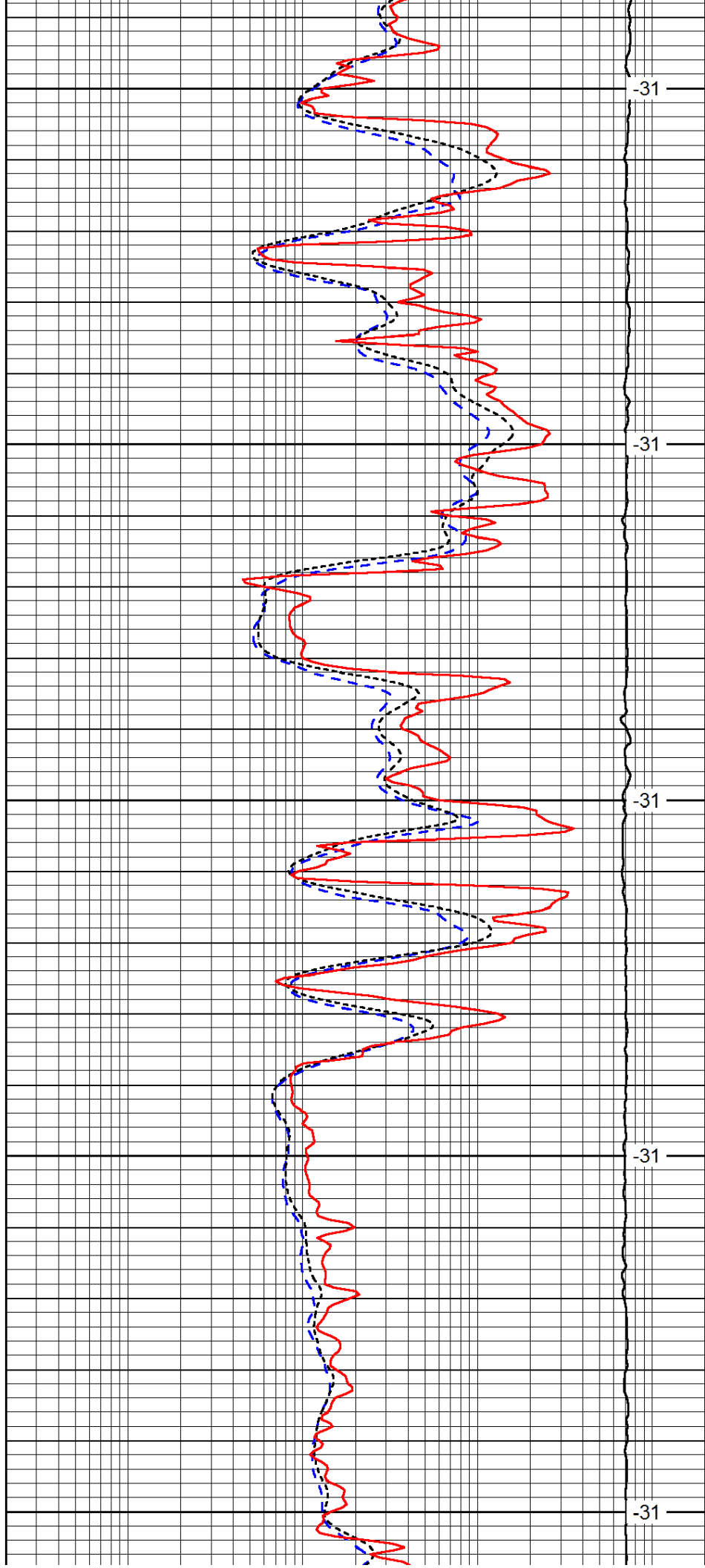
3200

3250

3300

3350

3400



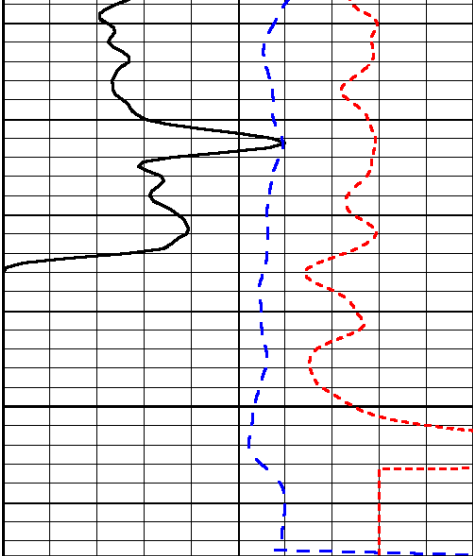
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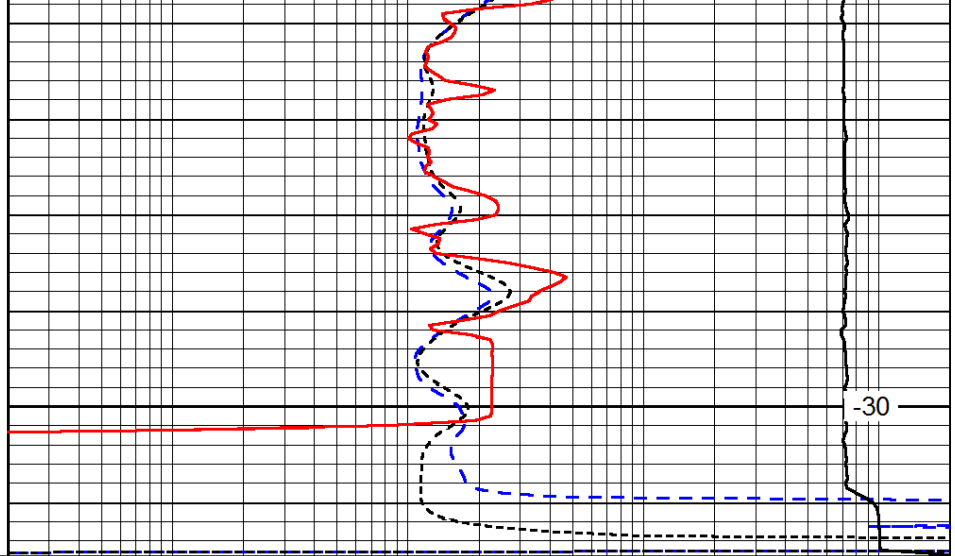
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-31



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

3450



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

LSPD