



Dual Induction Log

Pioneer Energy Services

API No.	Company K-Bar Oil		
	Well Joanie #4		
	Field Chase-Silica		
	County Barton	State	Kansas
	Location 405' FNL' & 1091' FWL		
	Sec: 3	Twp: 20S	Rge: 11W
	Permanent Datum Ground Level		Elevation 1774
	Log Measured From Kelly Bushing		5 Ft. Above Perm. Datum
	Drilling Measured From Kelly Bushing		K.B. 1779 D.F. 1774 G.L. 1774
Date	4/6/2014		
Run Number	One		
Depth Driller	3390		
Depth Logger	3388		
Bottom Logged Interval	3387		
Top Log Interval	350		
Casing Driller	8.625 @ 373		
Casing Logger	369		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3000		
Density / Viscosity	9.1 47		
pH / Fluid Loss	10.0 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.30 @ 52		
Rmf @ Meas. Temp	0.23 @ 52		
Rmc @ Meas. Temp	0.41 @ 52		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.14 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	91		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Herb Deines		

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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

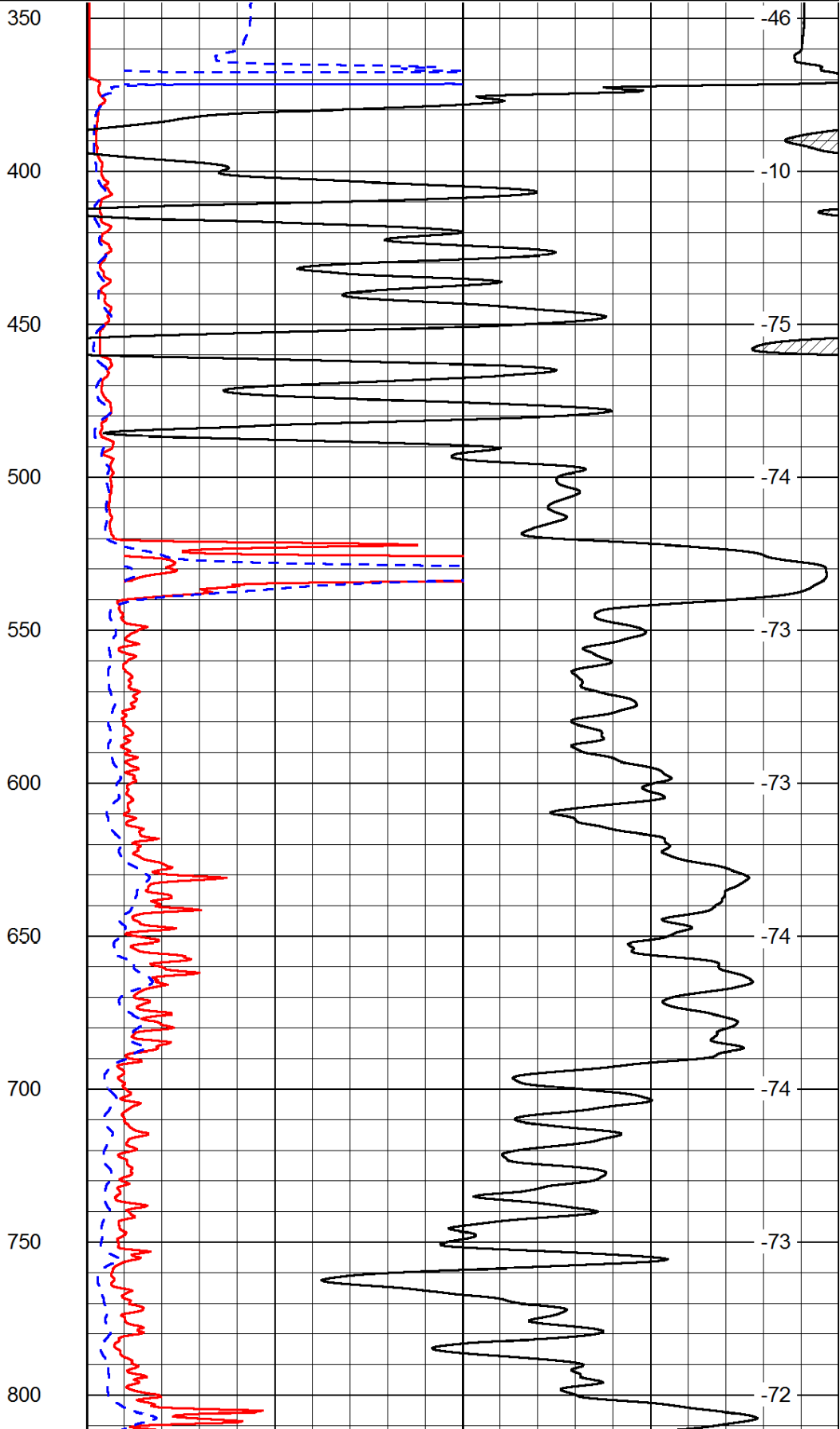
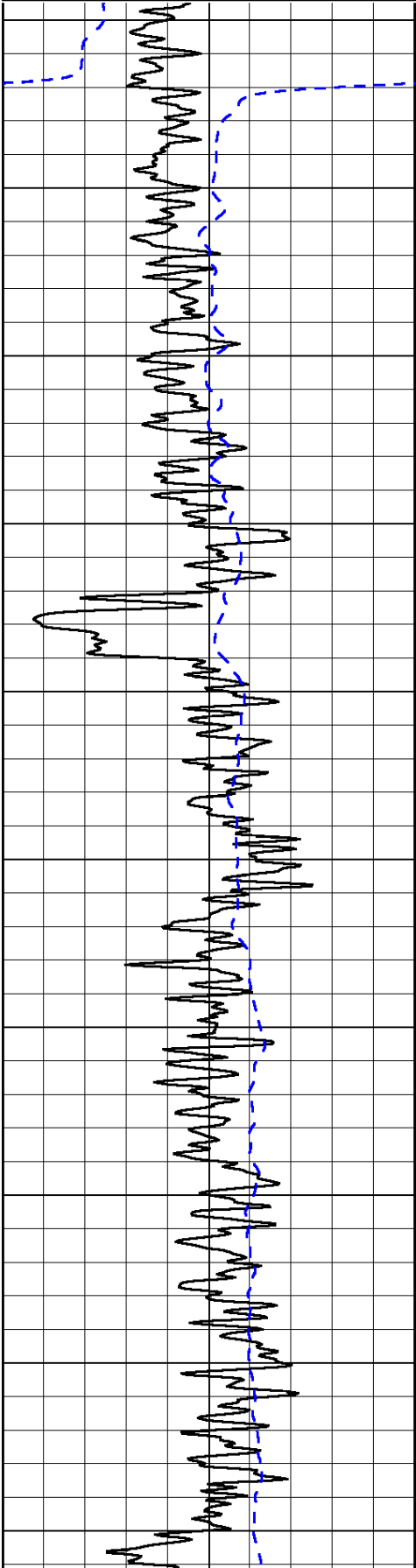
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Ellinwood,
East to SE 130 Ave, 50 yards South,
East into

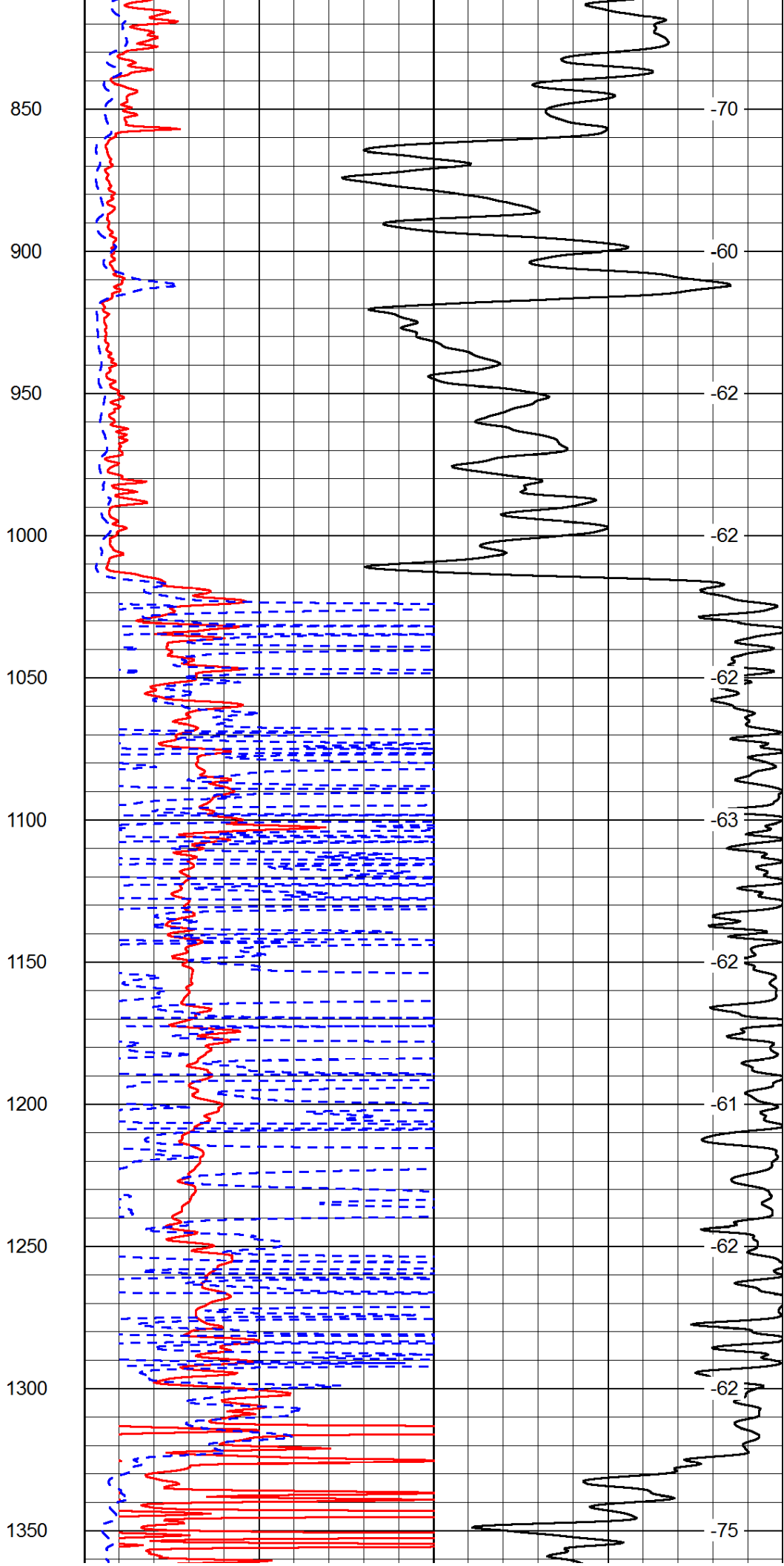
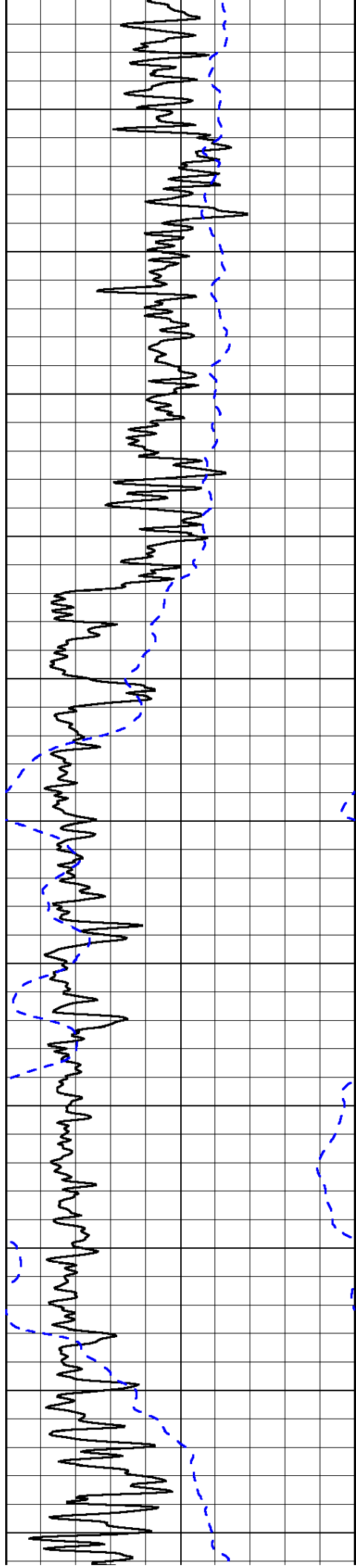
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Dataset Pathname: dil\kstckml
Presentation Format: dil2in
Dataset Creation: Sun Apr 06 07:48:16 2014
Charted by: Depth in Feet scaled 1:600

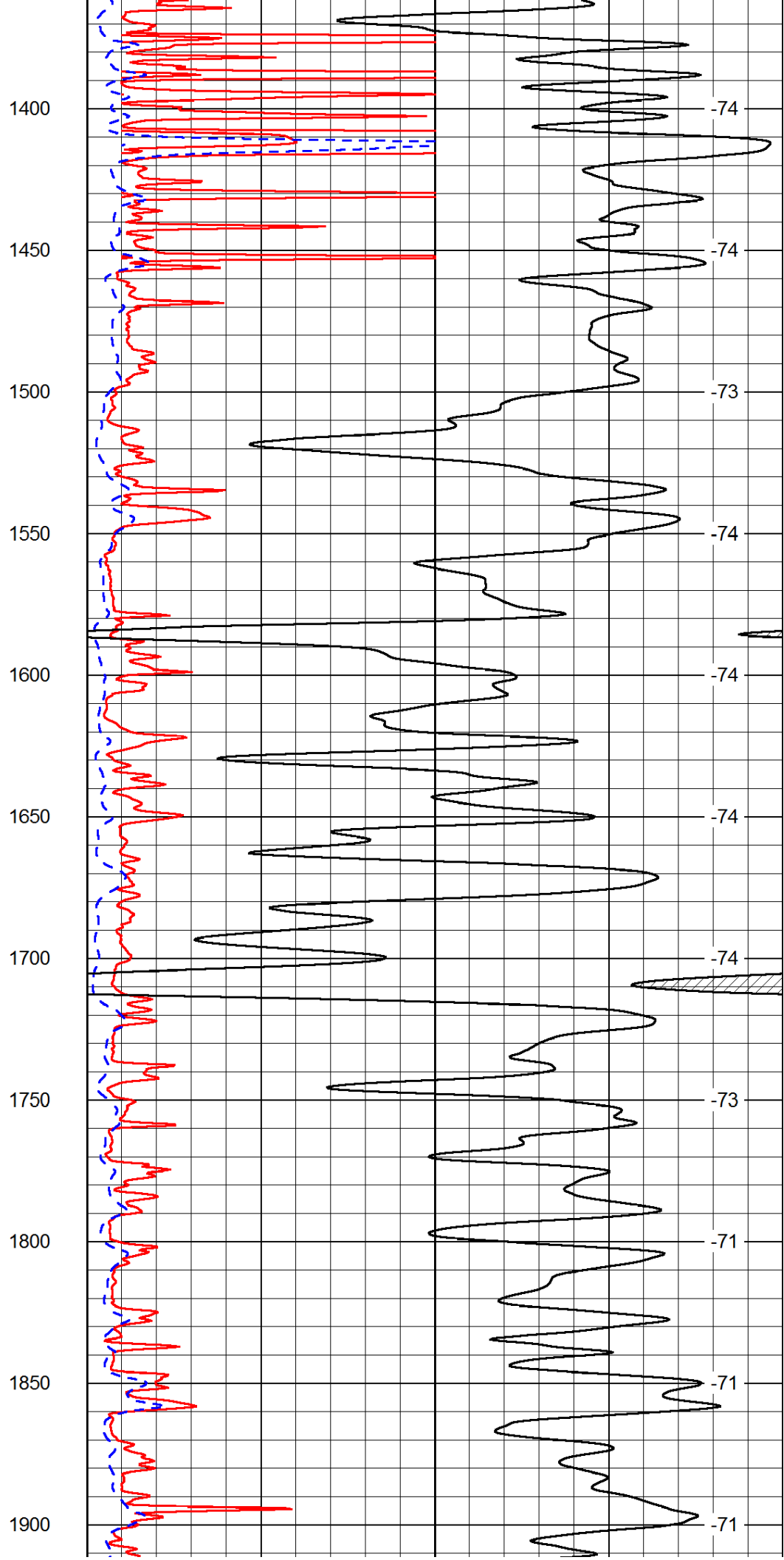
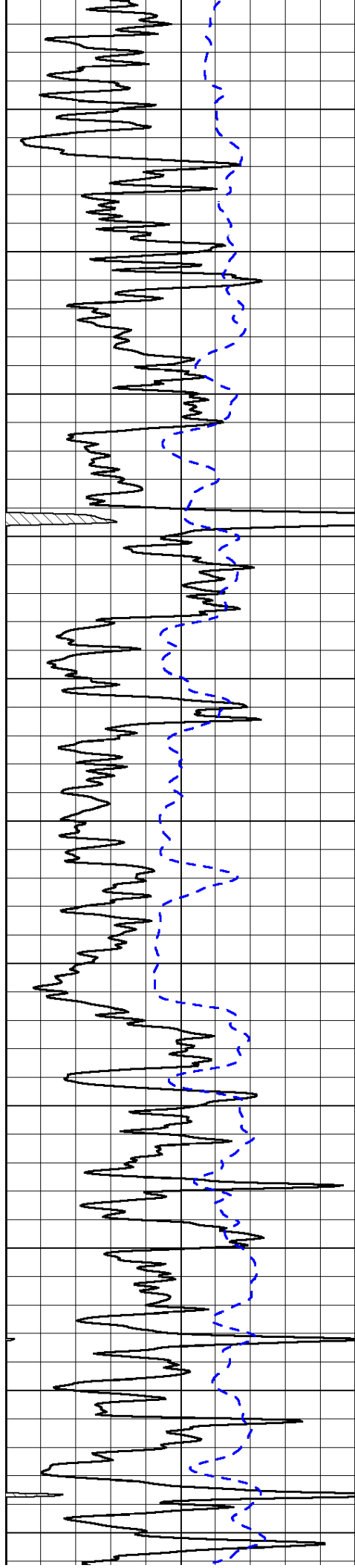
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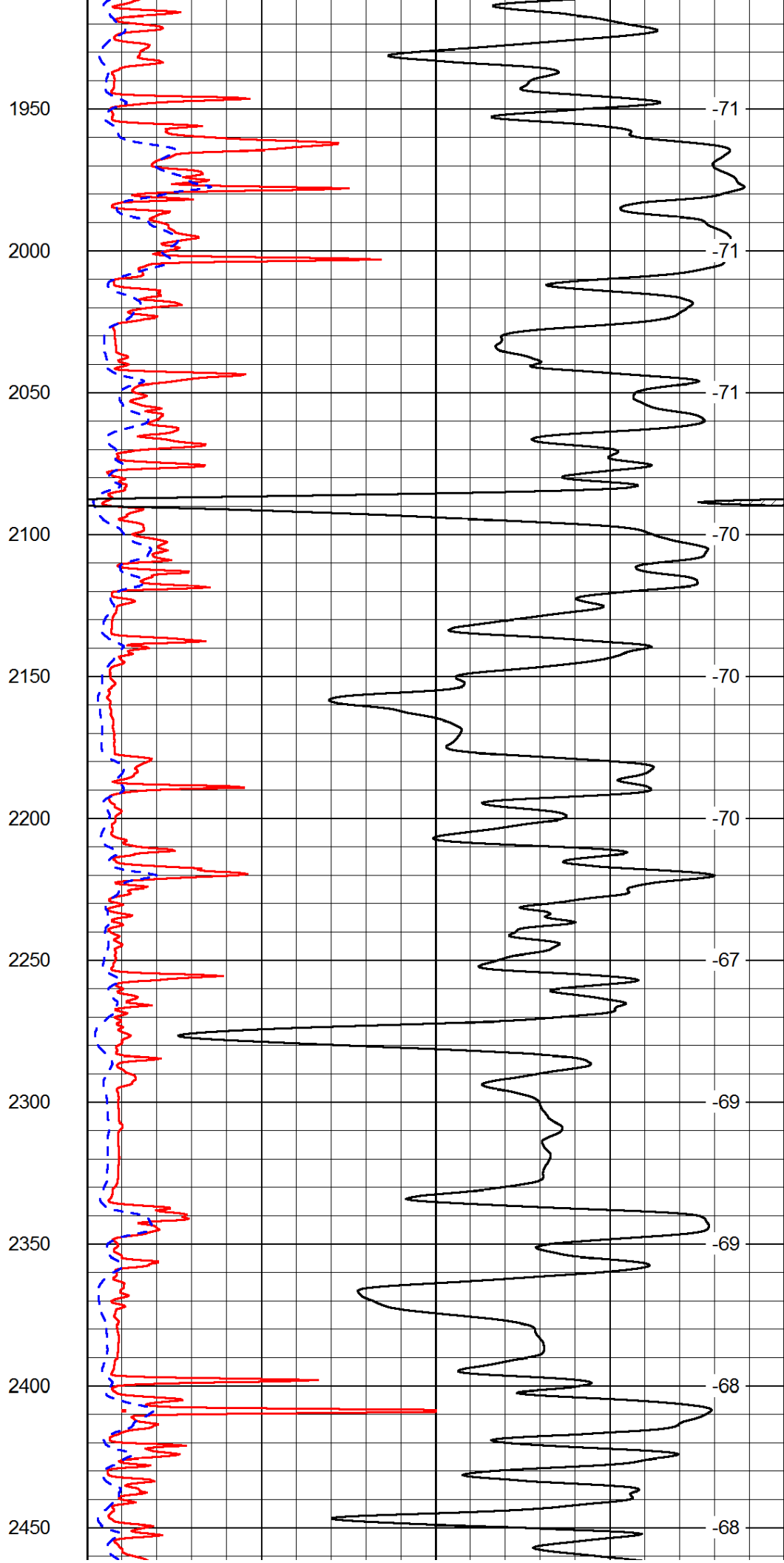
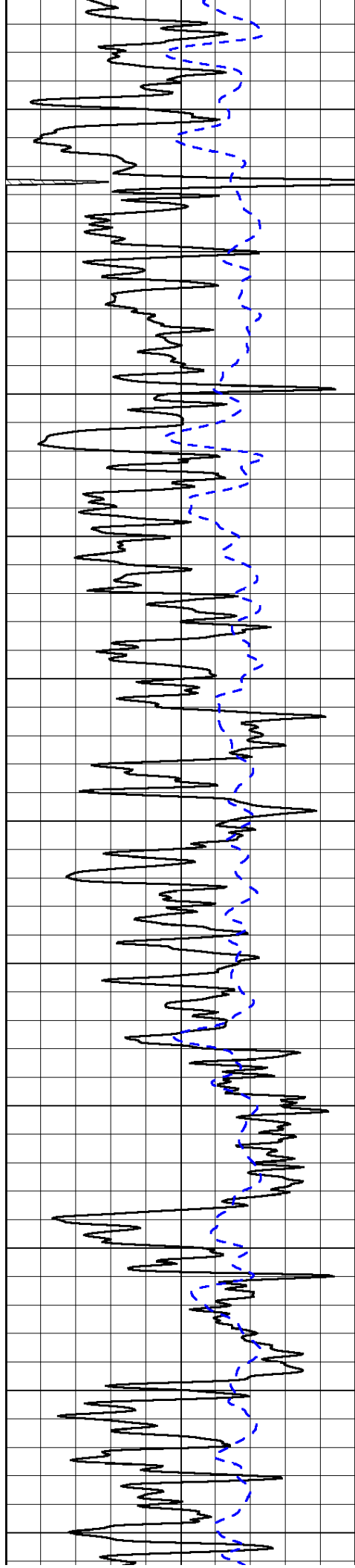
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-200	SP (mV)	0

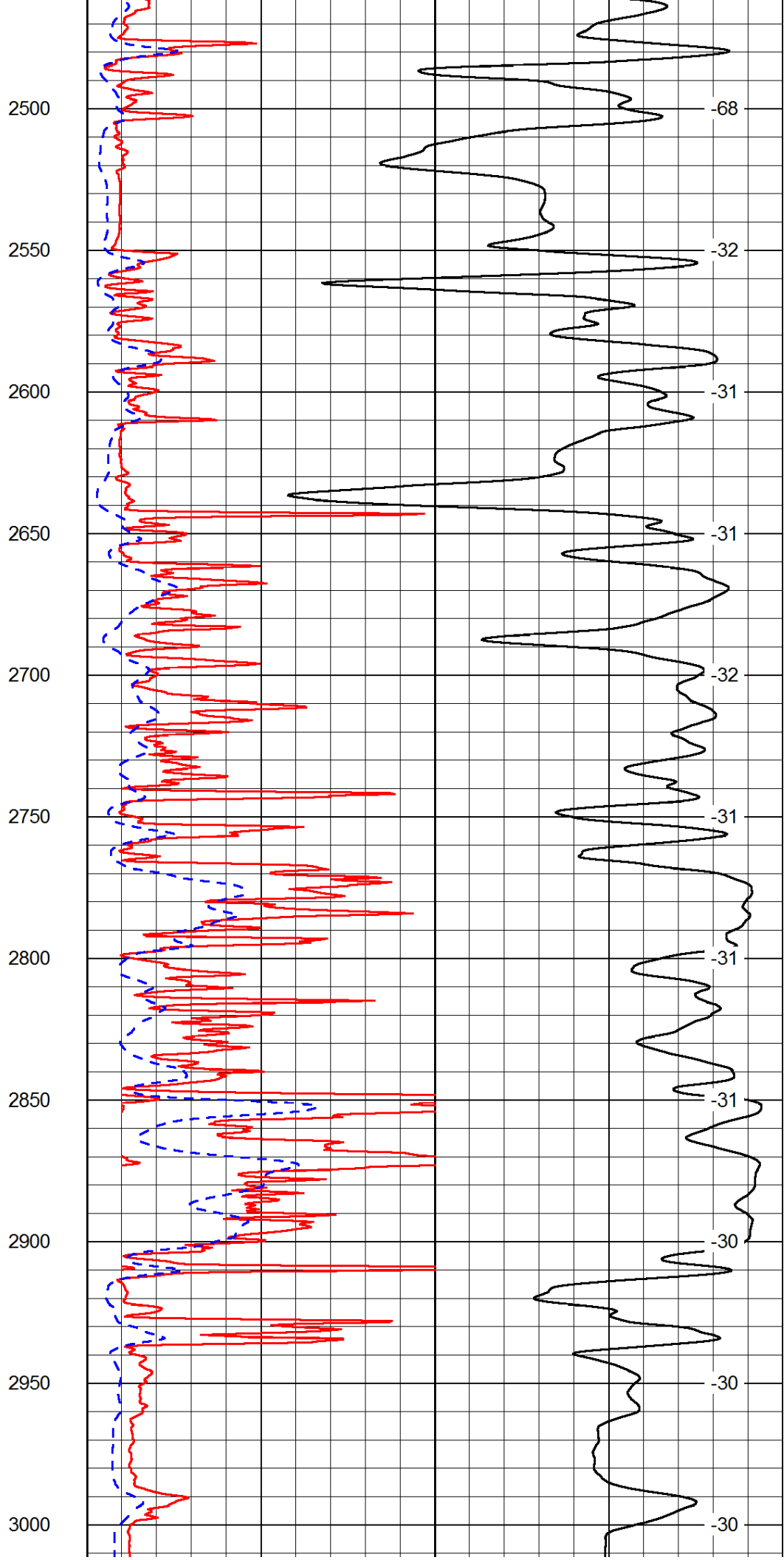
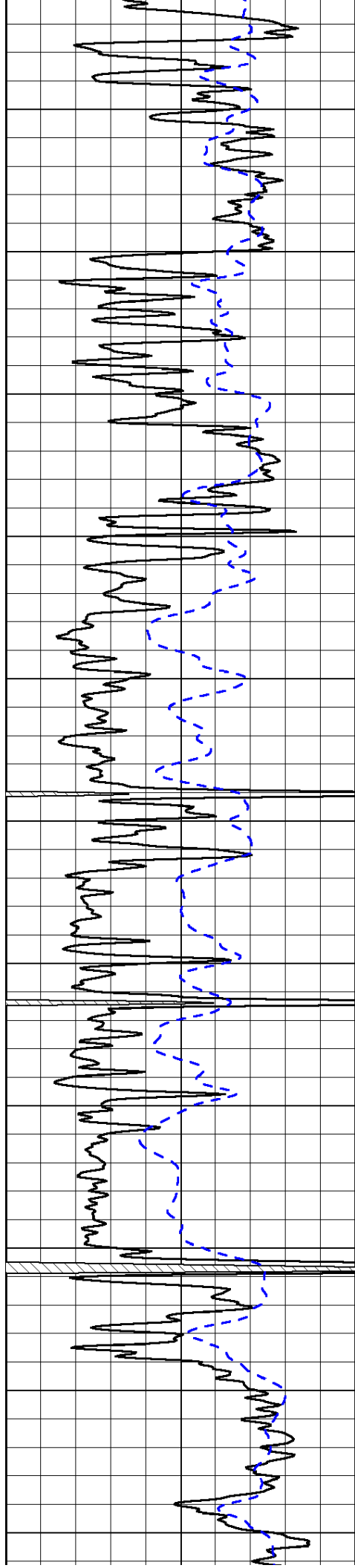
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

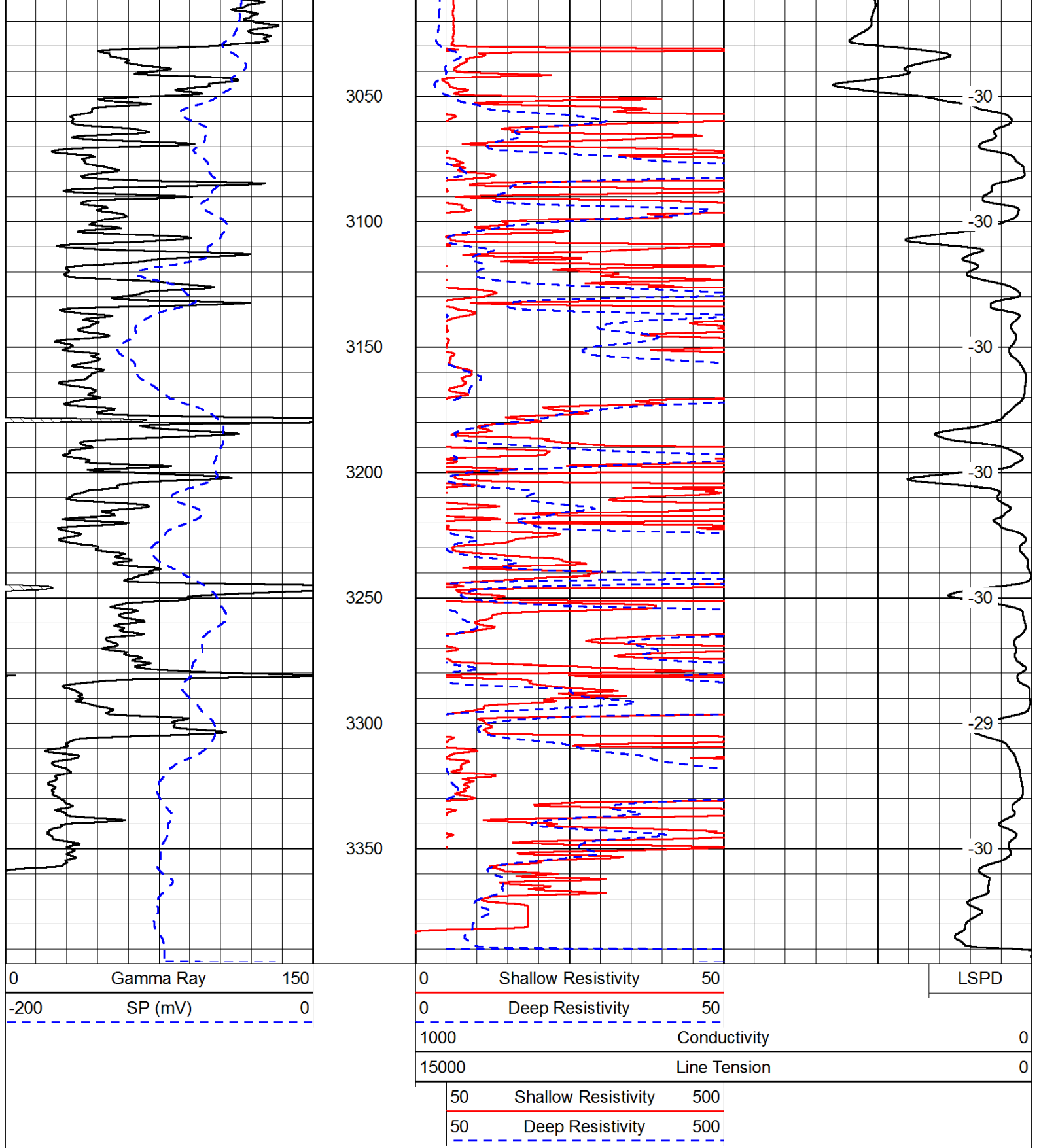






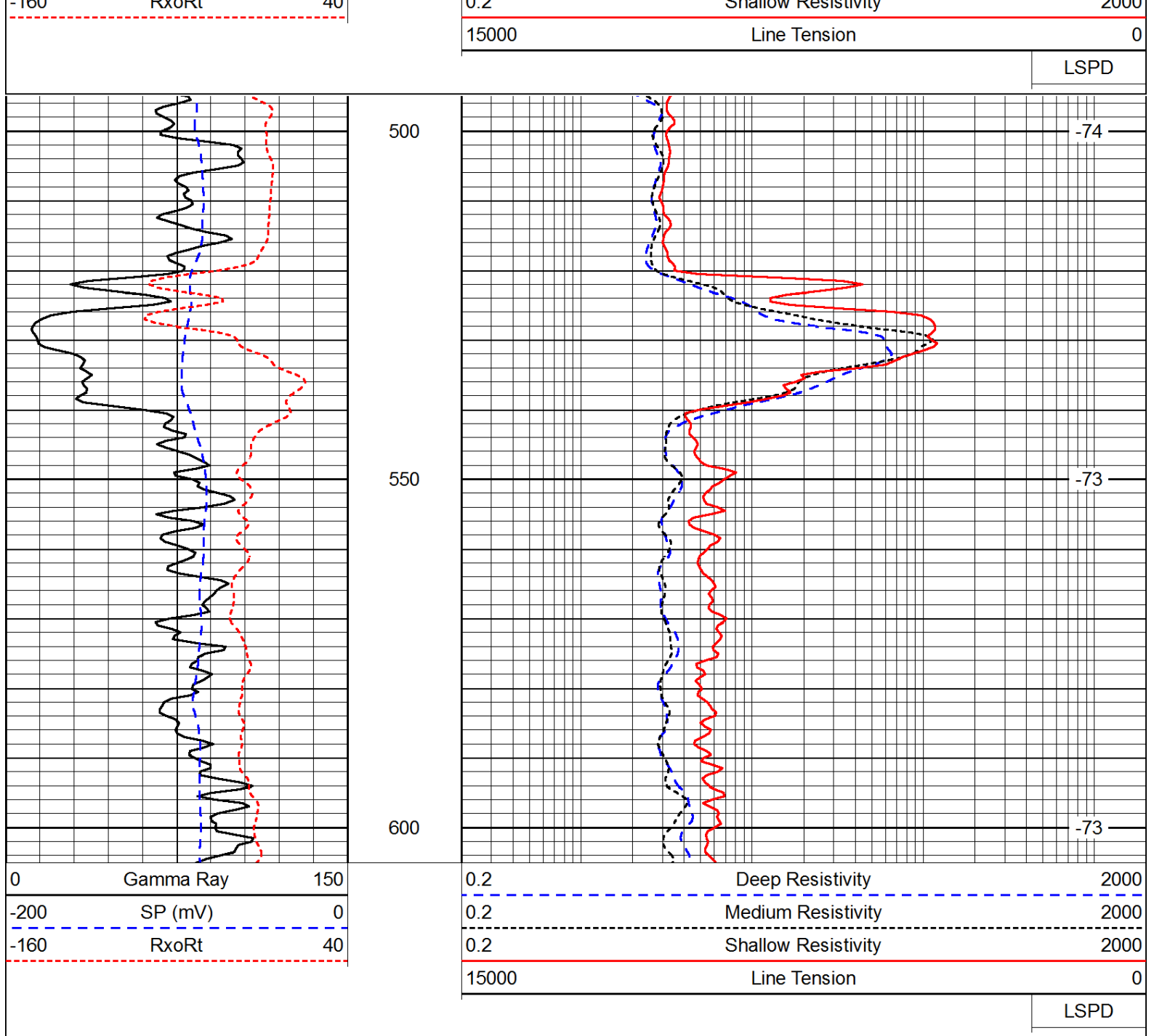






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 Presentation Format: dil
 Dataset Creation: Sun Apr 06 07:48:16 2014
 Charted by: Depth in Feet scaled 1:240

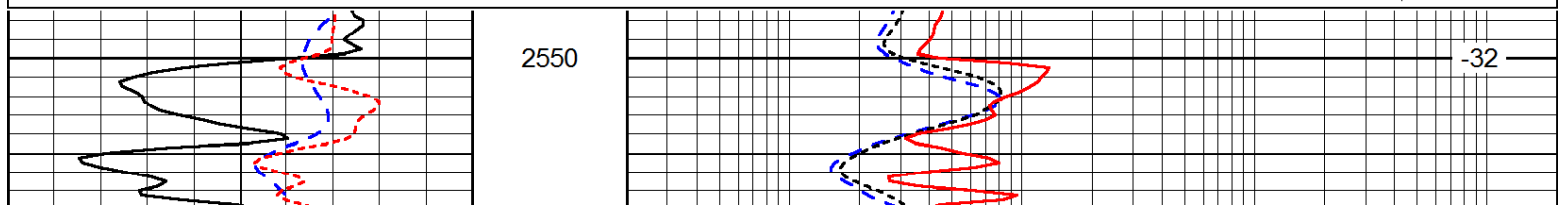
0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
100	Deep Resistivity	10	0.2	Shallow Resistivity	2000

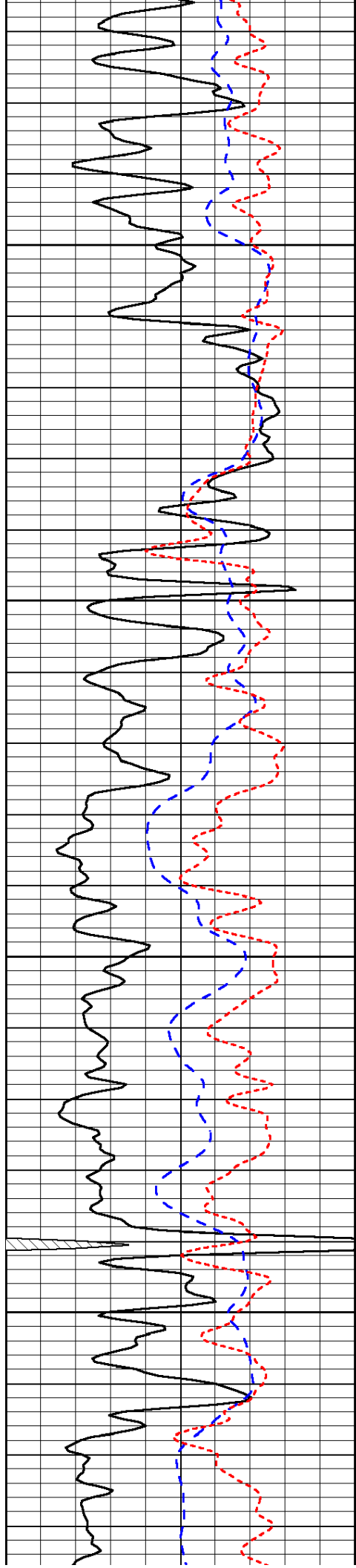


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Dataset Pathname:	dil/kstckml
Presentation Format:	dil
Dataset Creation:	Sun Apr 06 07:48:16 2014
Charted by:	Depth in Feet scaled 1:240

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



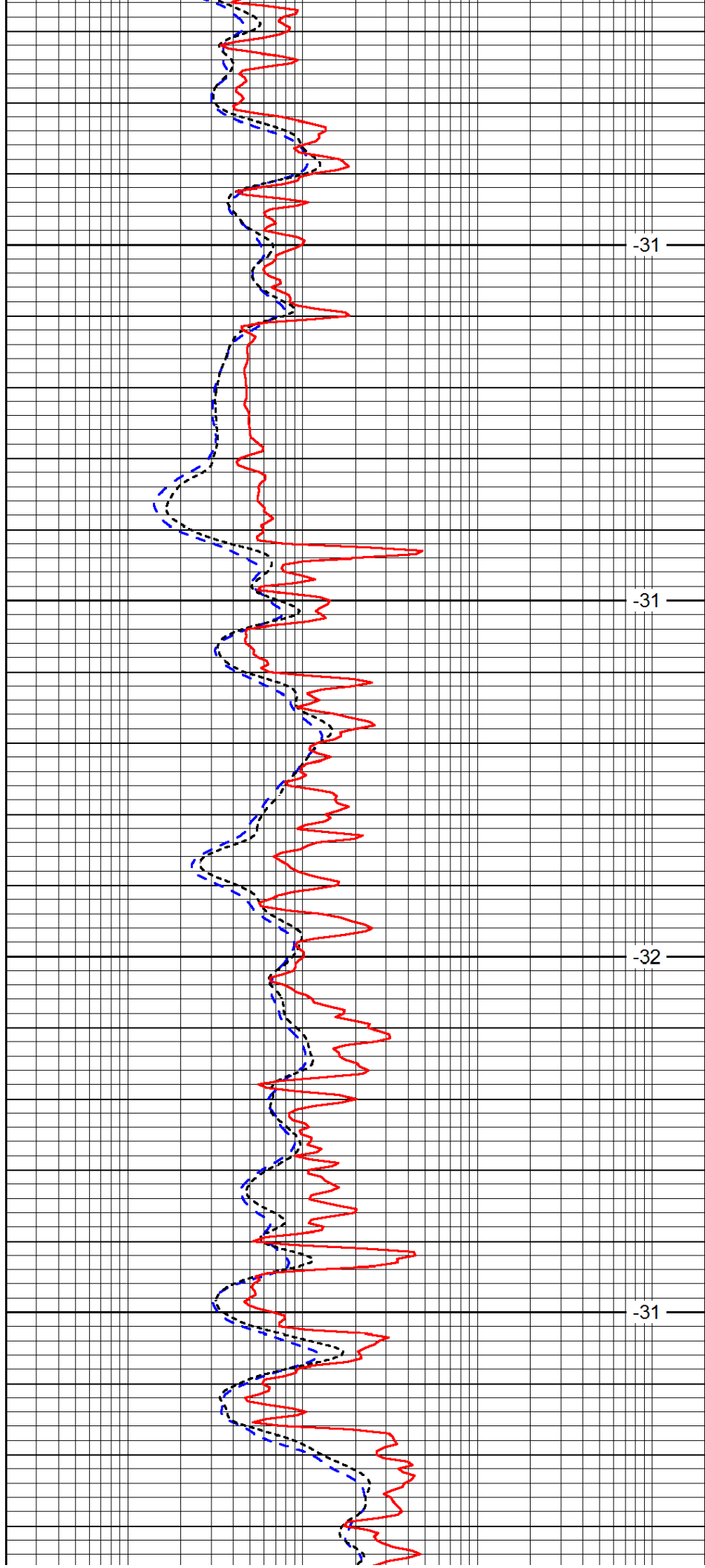


2600

2650

2700

2750

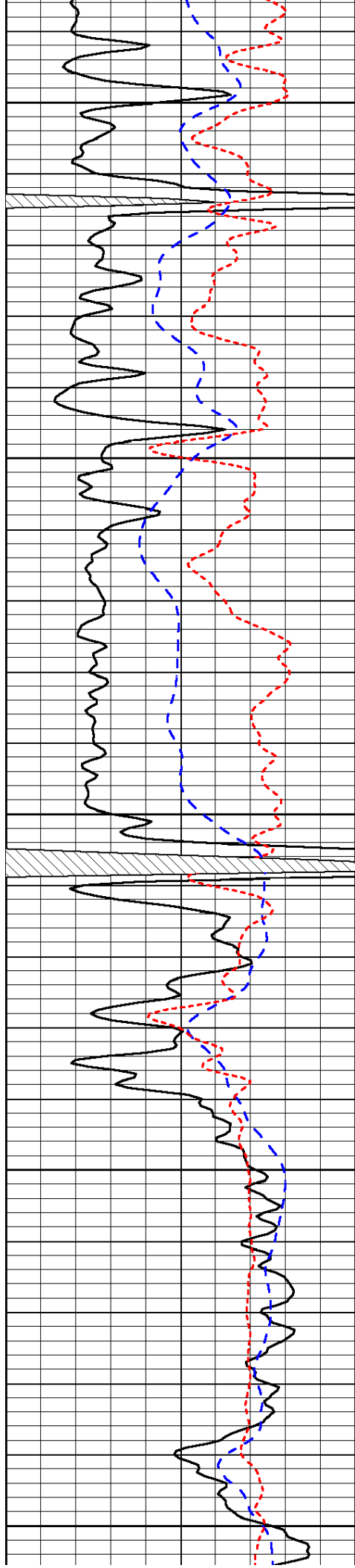


-31

-31

-32

-31



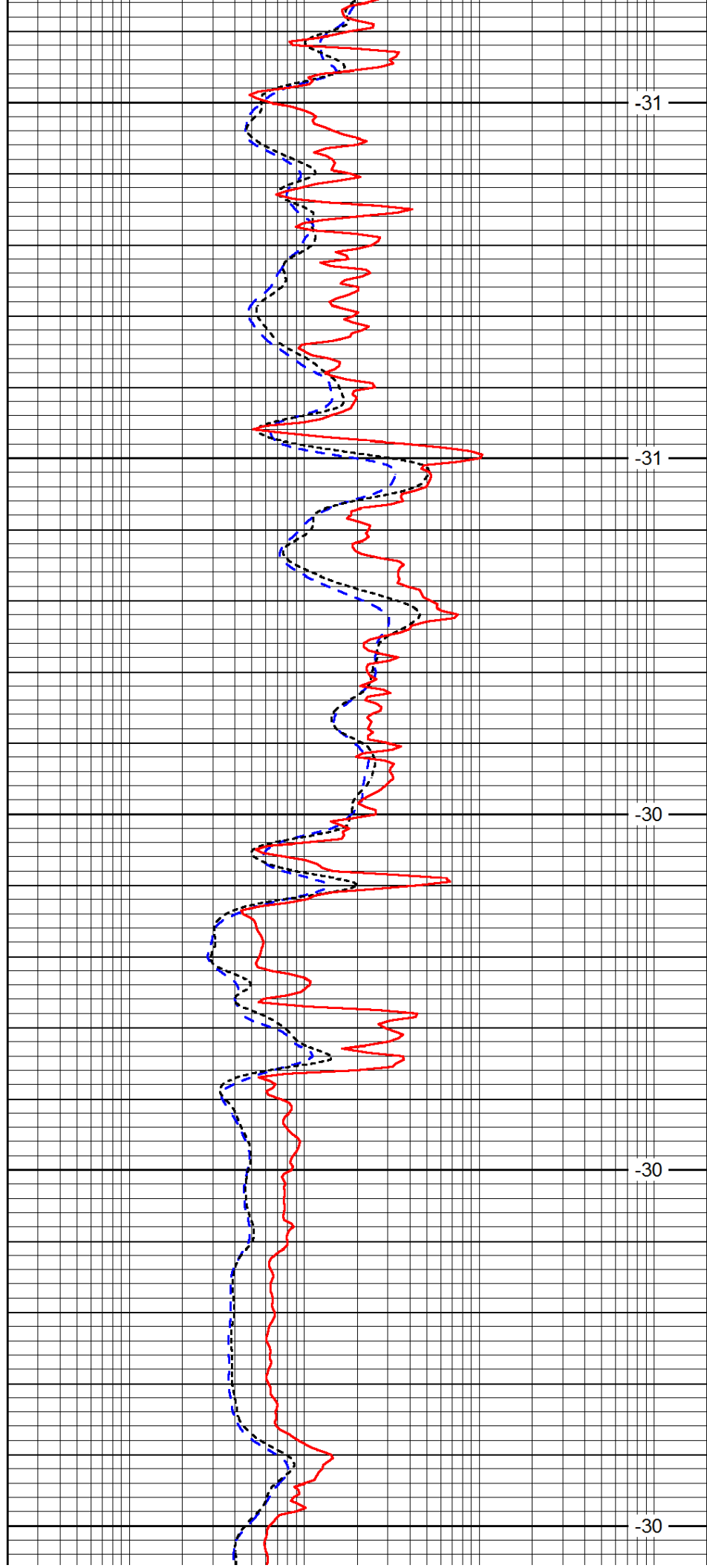
2800

2850

2900

2950

3000



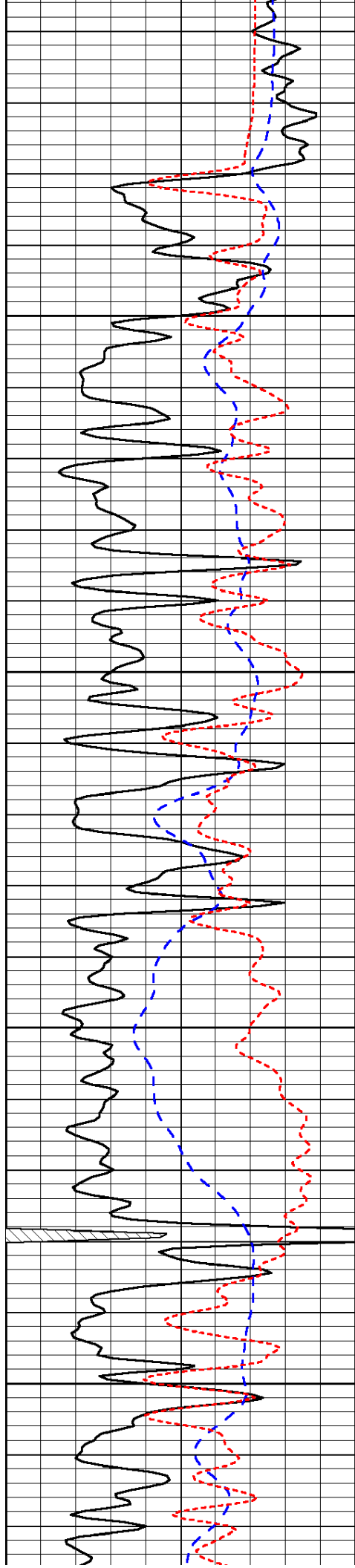
-31

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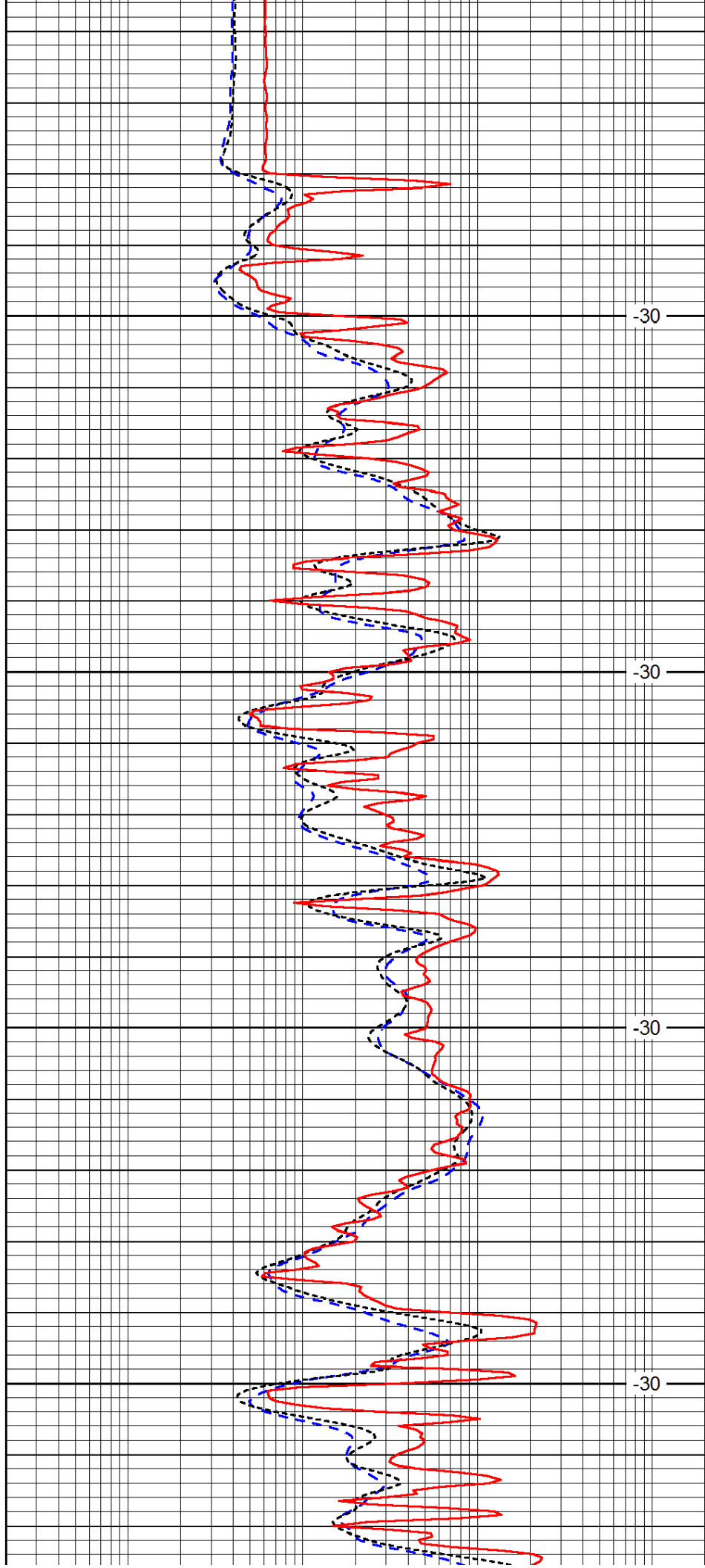


3050

3100

3150

3200

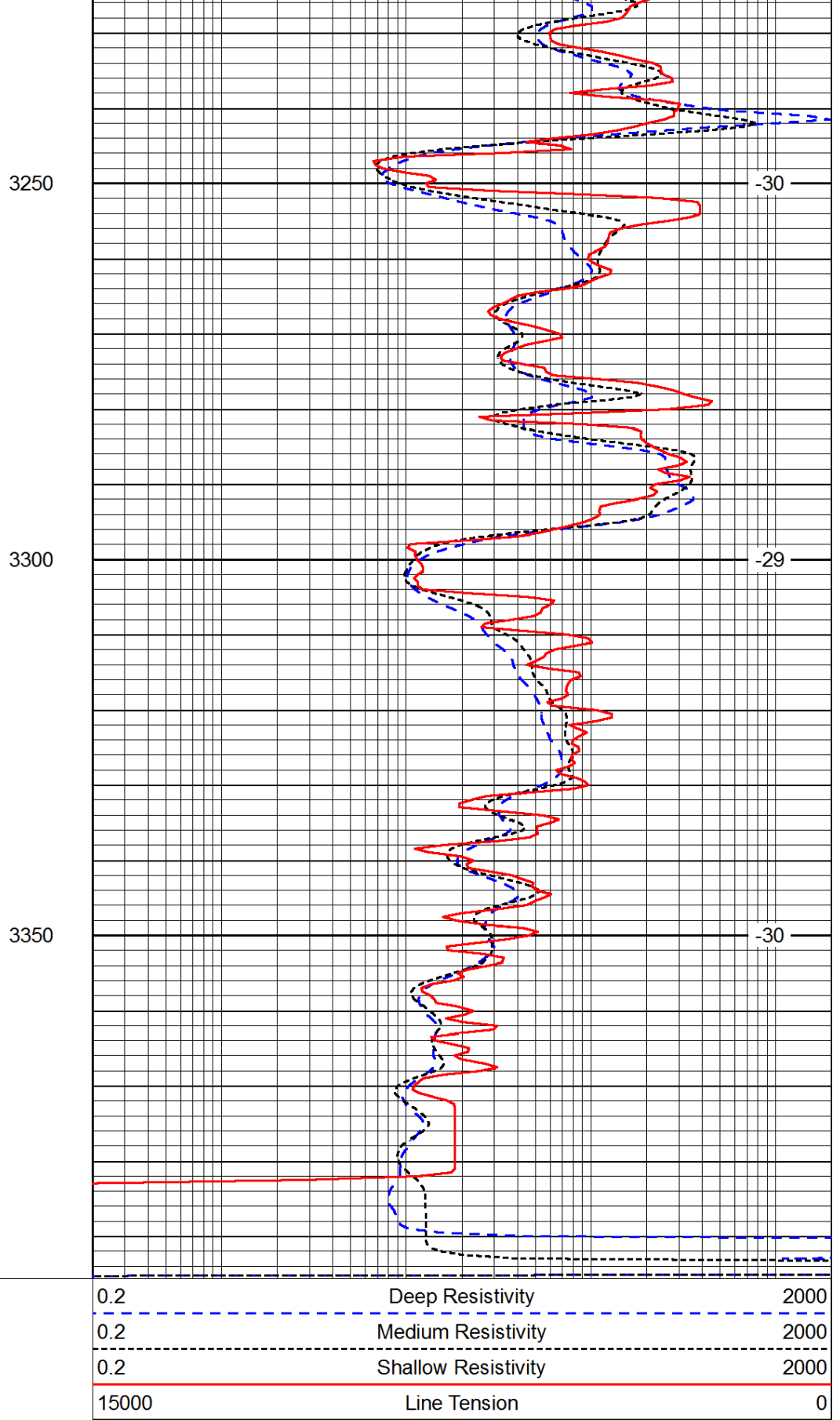
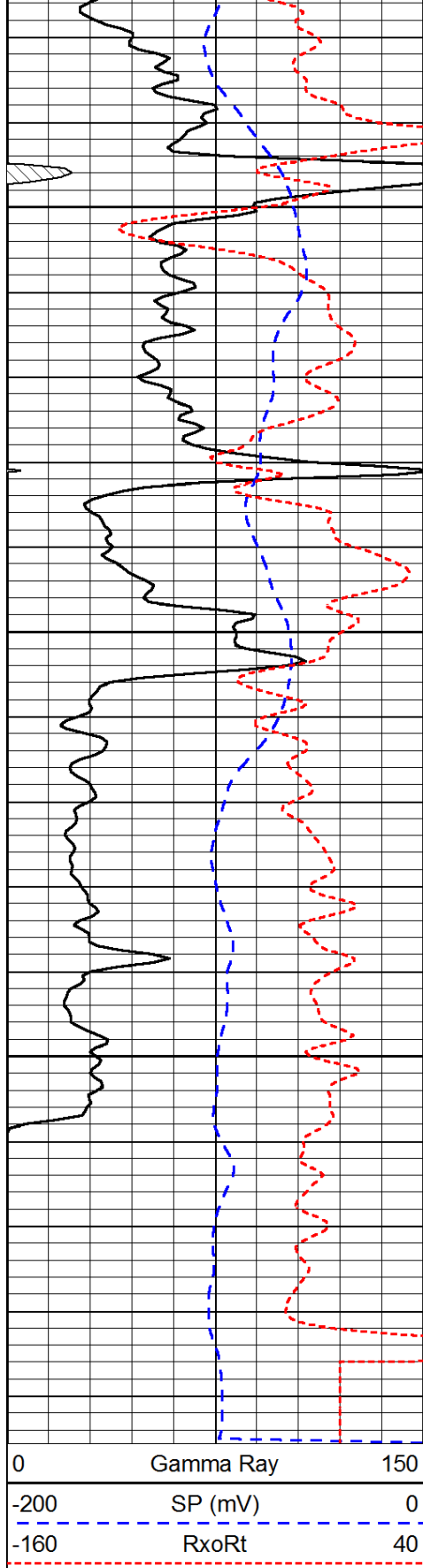


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LSPD