



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company L.D. Drilling, Inc.			
	Well Austin / Bernice No. 4-23			
	Field Sandra			
	County	Stafford	State	Kansas
15-195-23,667-00-00	Location 330' FSL & 2558' FWL		Other Services CNL/CDL MEL	
	Sec: 23	Twp: 21 S	Rge: 12 W	Elevation K.B. 1839 D.F. 1834 G.L. 1834
Permanent Datum	Ground Level	Elevation 1834		
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum		
Drilling Measured From	Kelly Bushing			
Date	2/14/2011			
Run Number	One			
Depth Driller	3650			
Depth Logger	3648			
Bottom Logged Interval	3647			
Top Log Interval	300			
Casing Driller	8.625 @ 348			
Casing Logger	348			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	8.600			
Density / Viscosity	9.3	45		
pH / Fluid Loss	8.5	11.2		
Source of Sample	Flowline			
Rm @ Meas. Temp	.60 @ 55			
Rmf @ Meas. Temp	.45 @ 55			
Rmc @ Meas. Temp	.81 @ 55			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.29 @ 115			
Operating Rig Time	3 1/2 Hours			
Max Rec. Temp. F	115			
Equipment Number	4			
Location	Hays			
Recorded By	K. Bange			
Witnessed By	Kim Shoemaker			

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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

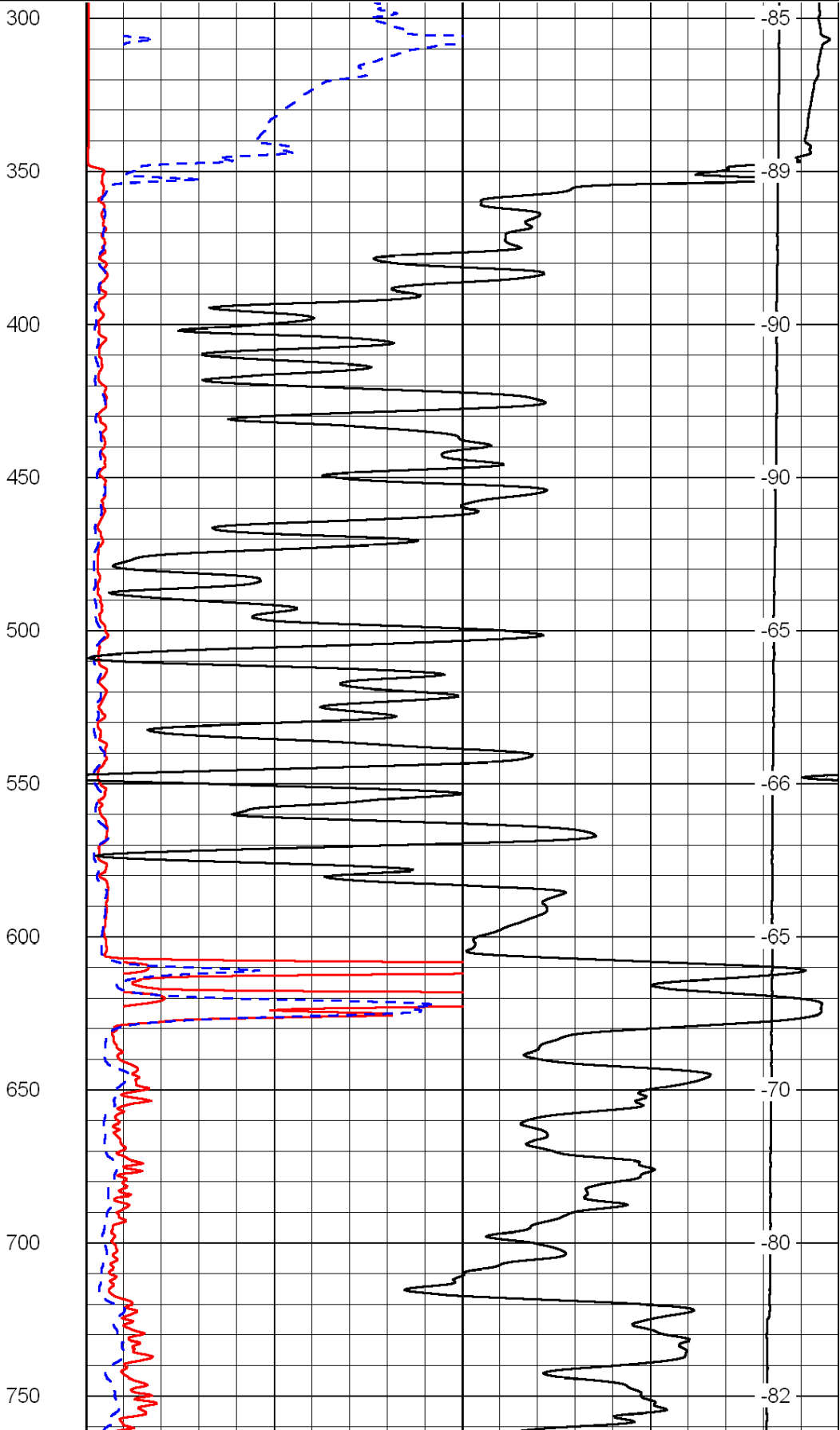
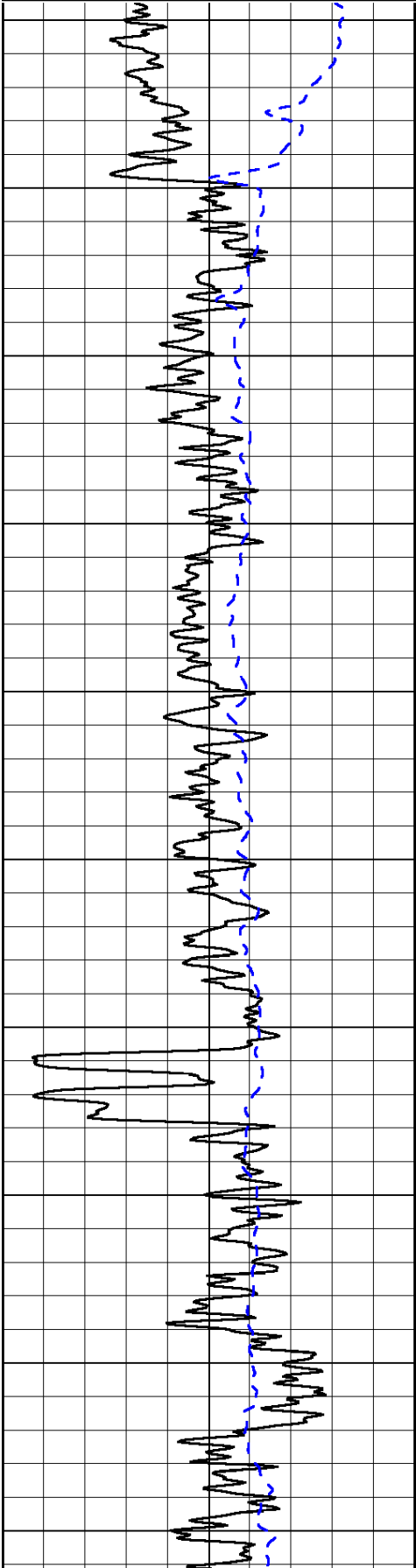
Thank you for using Log-Tech, Inc.
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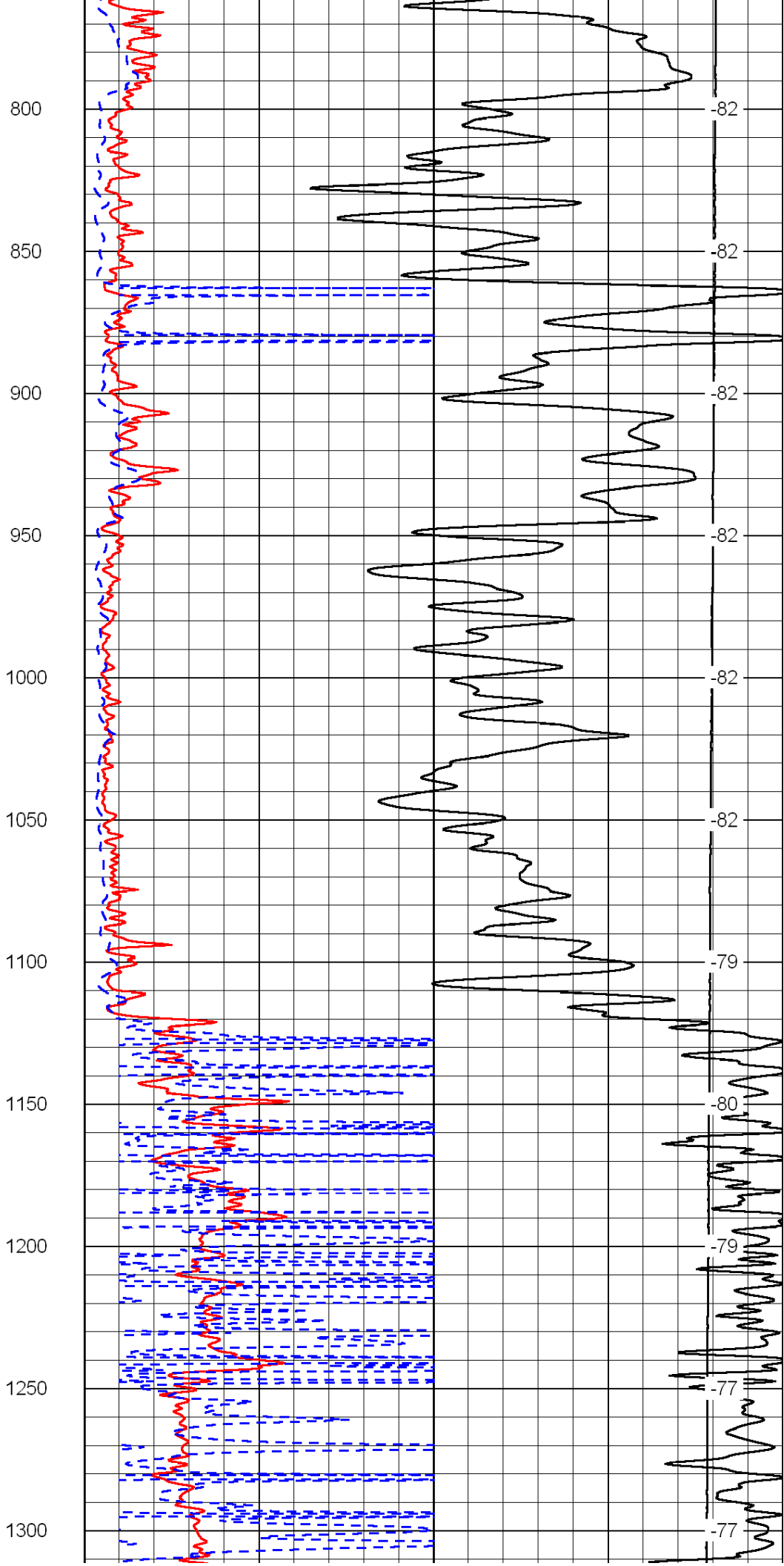
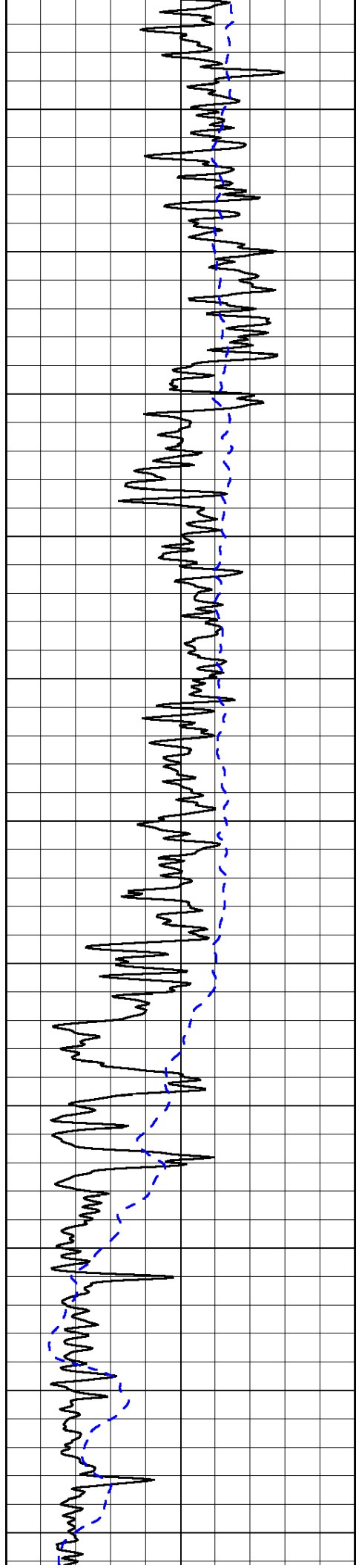
Great Bend, S to K-19, E to 'Ike and Joes'
3 N, 1/2 W, N into

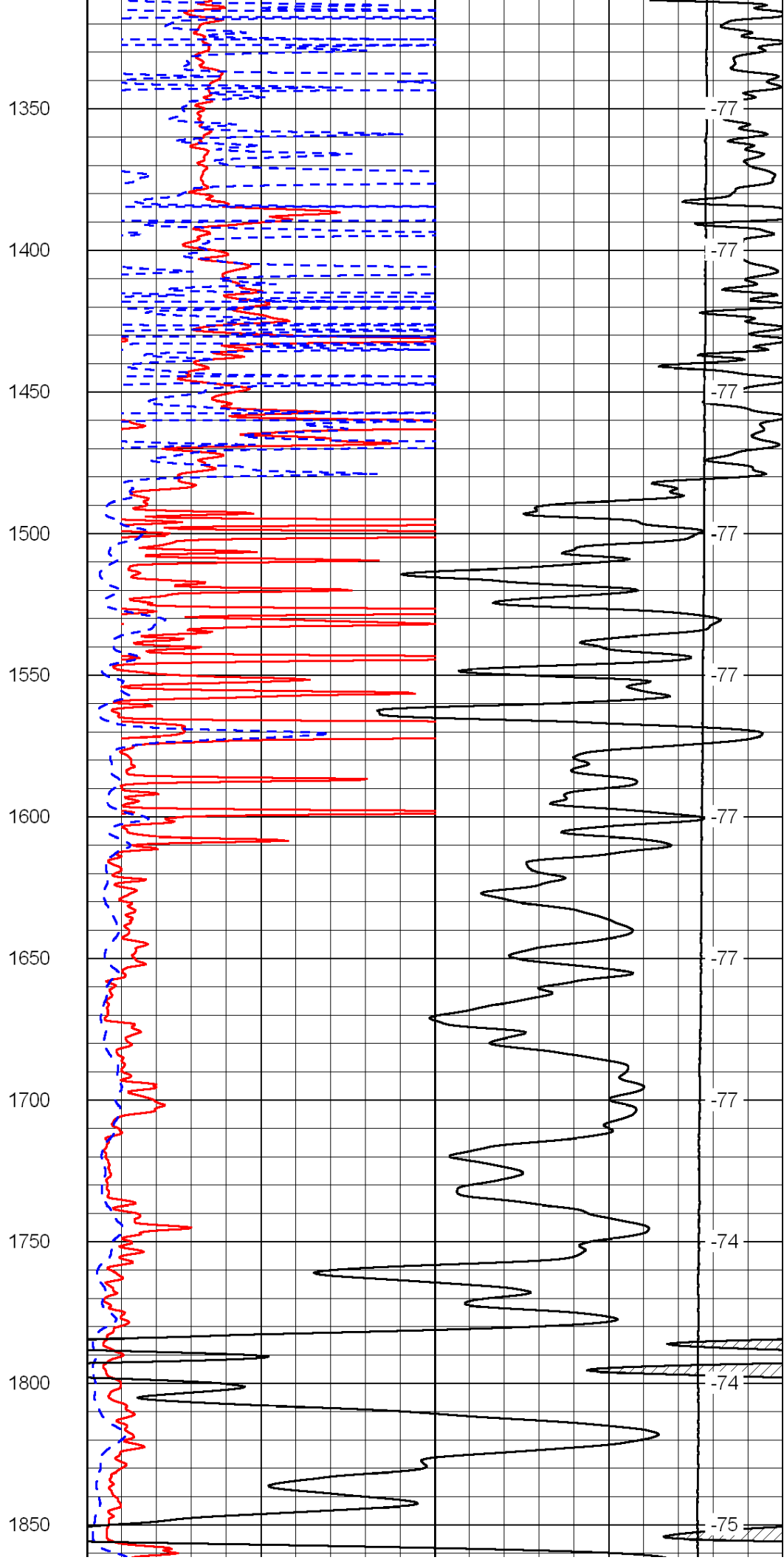
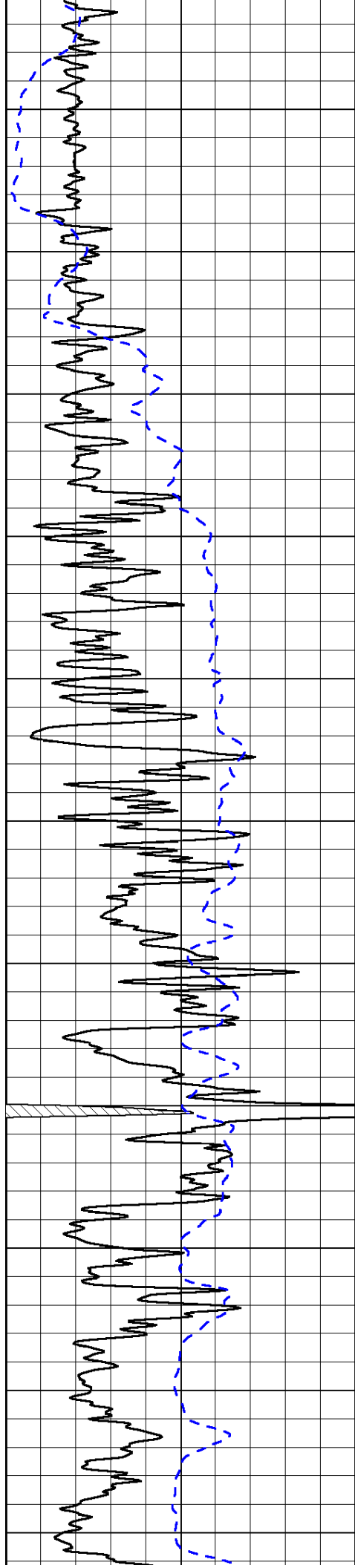
0	Gamma Ray	150
-200	SP (mV)	0

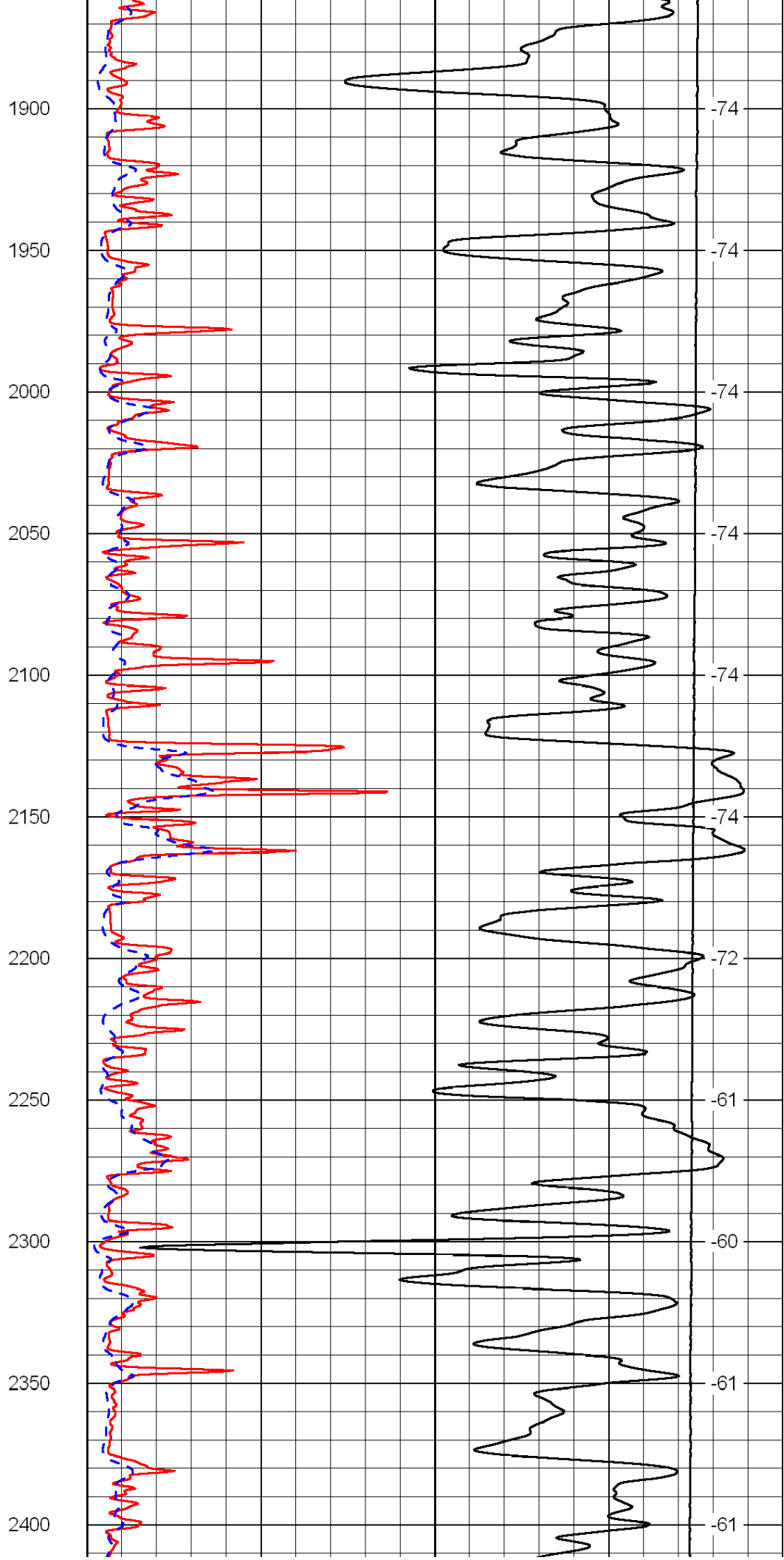
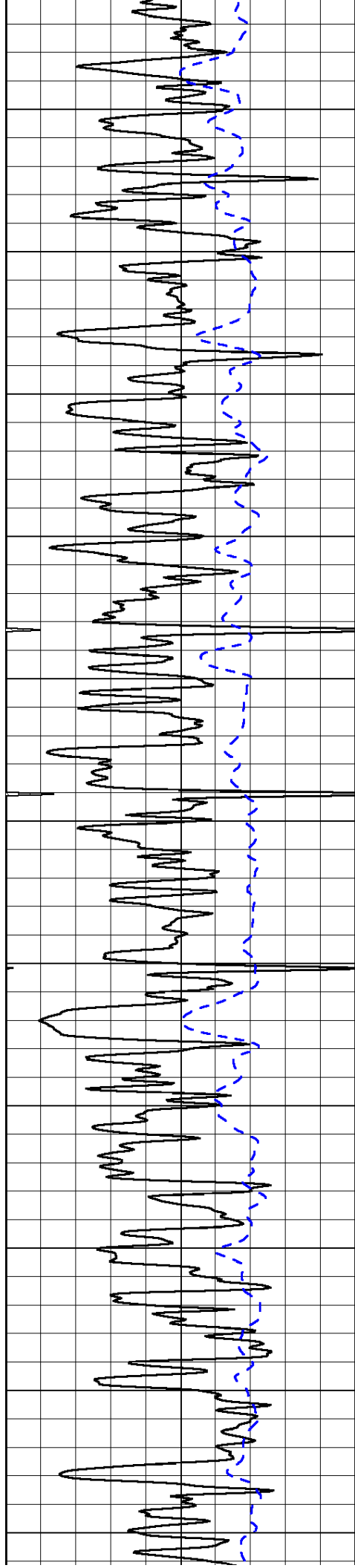
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

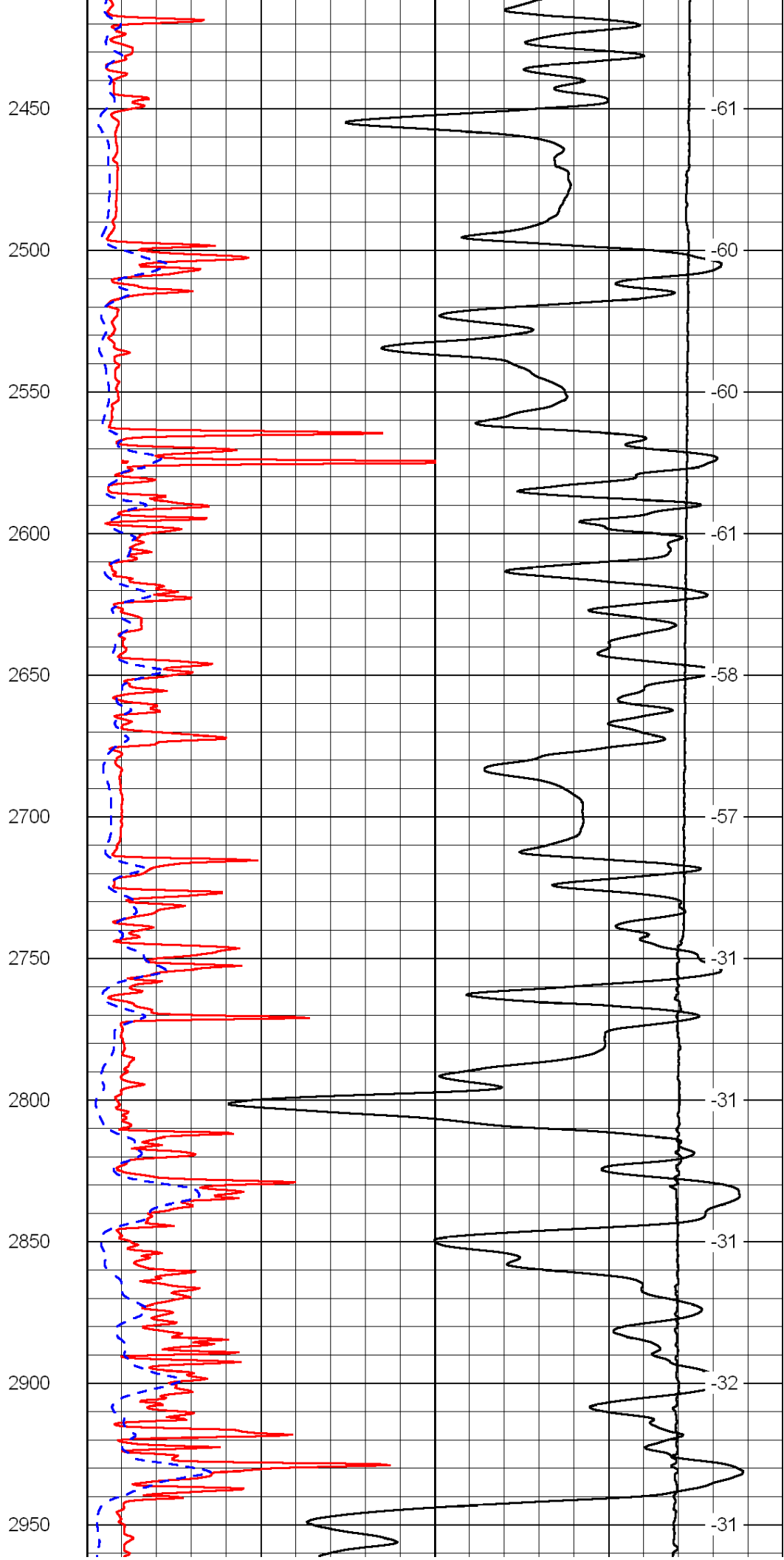
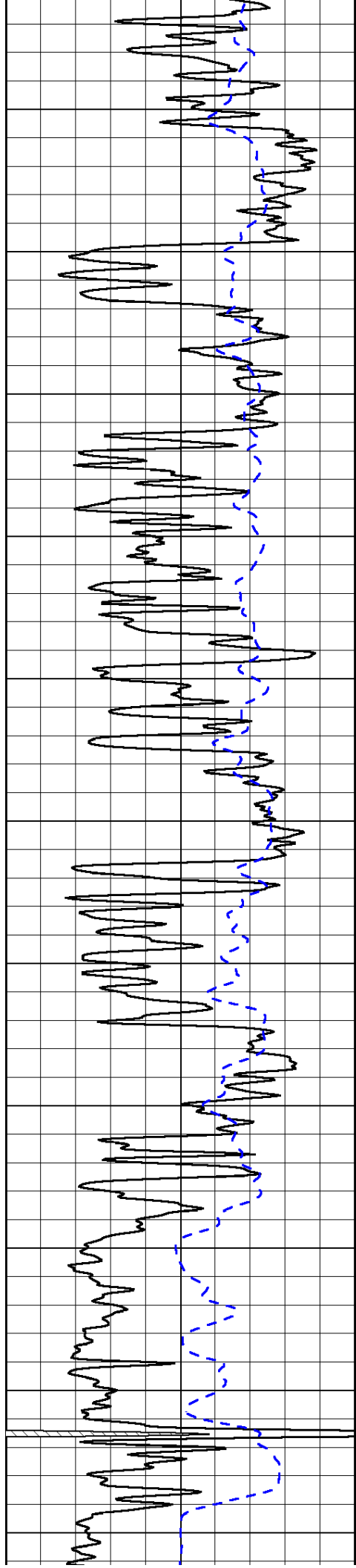
LSPD
0
0

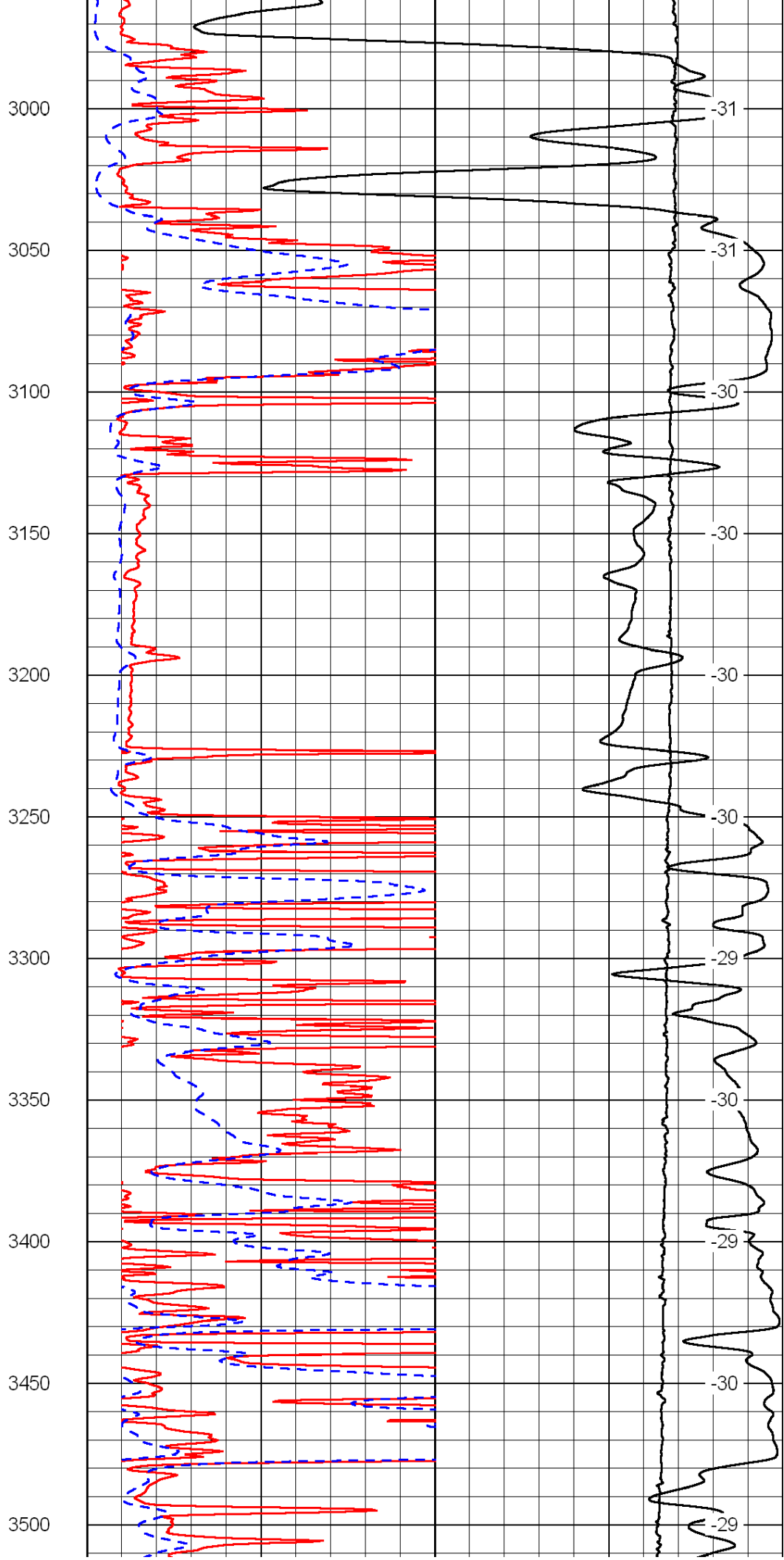
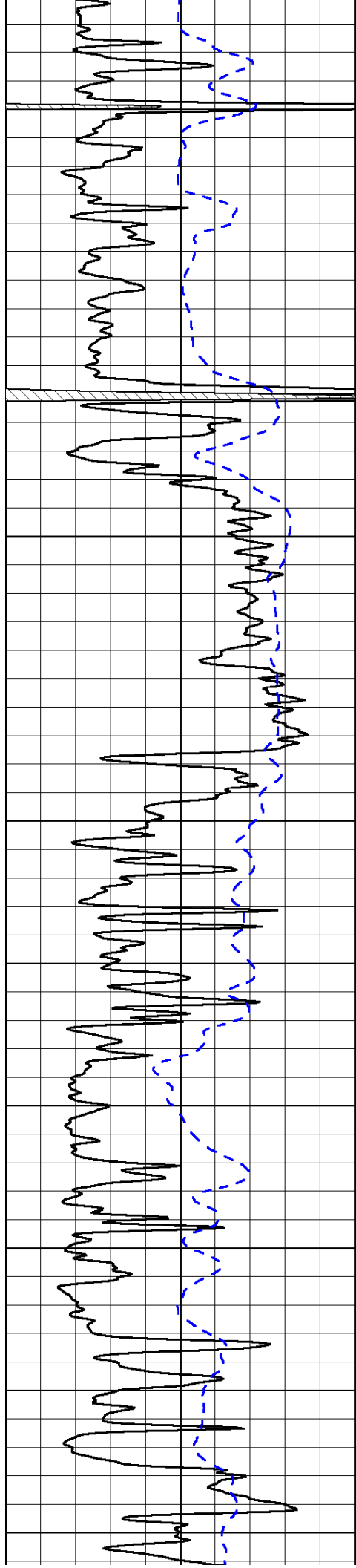


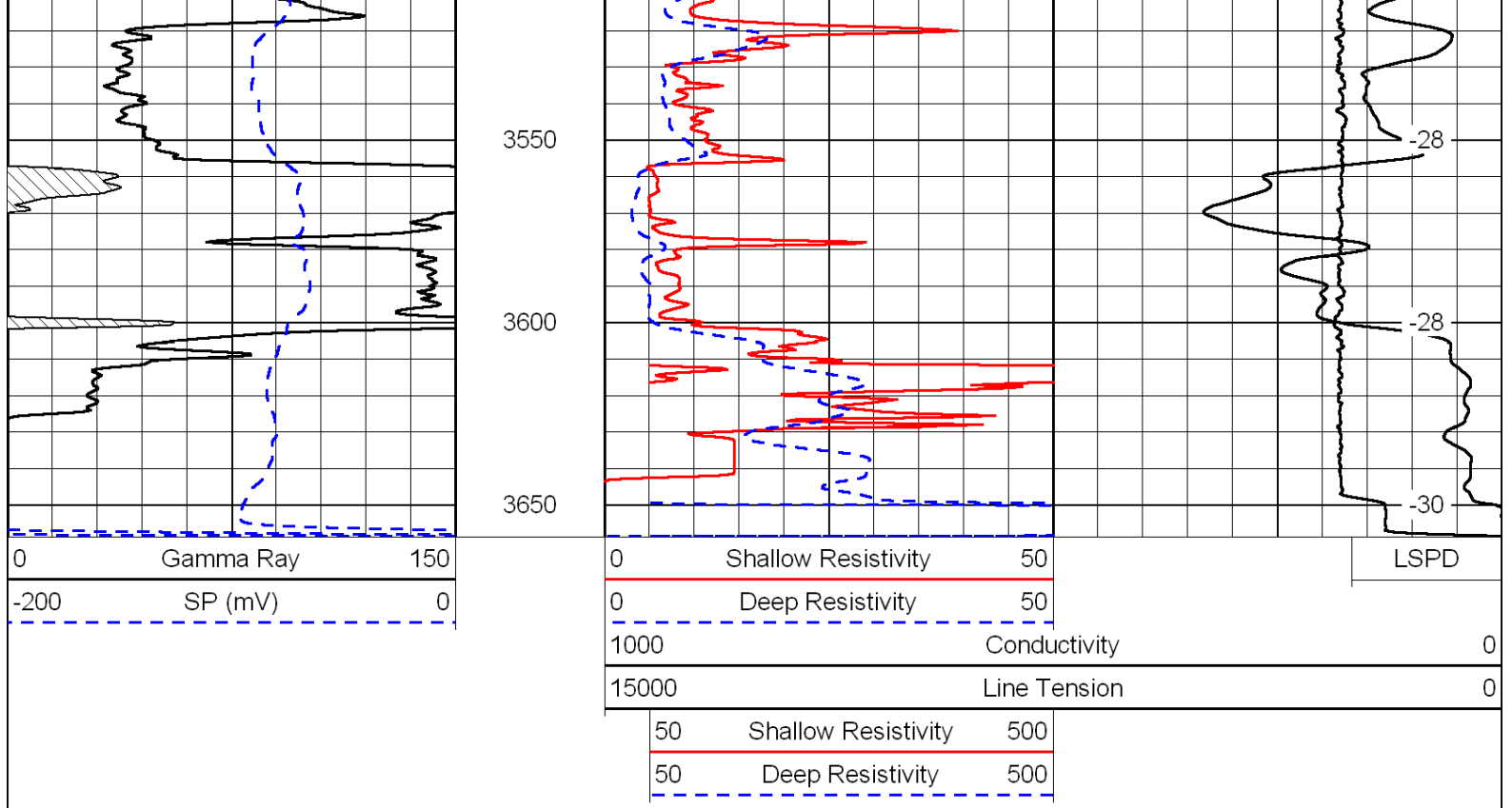




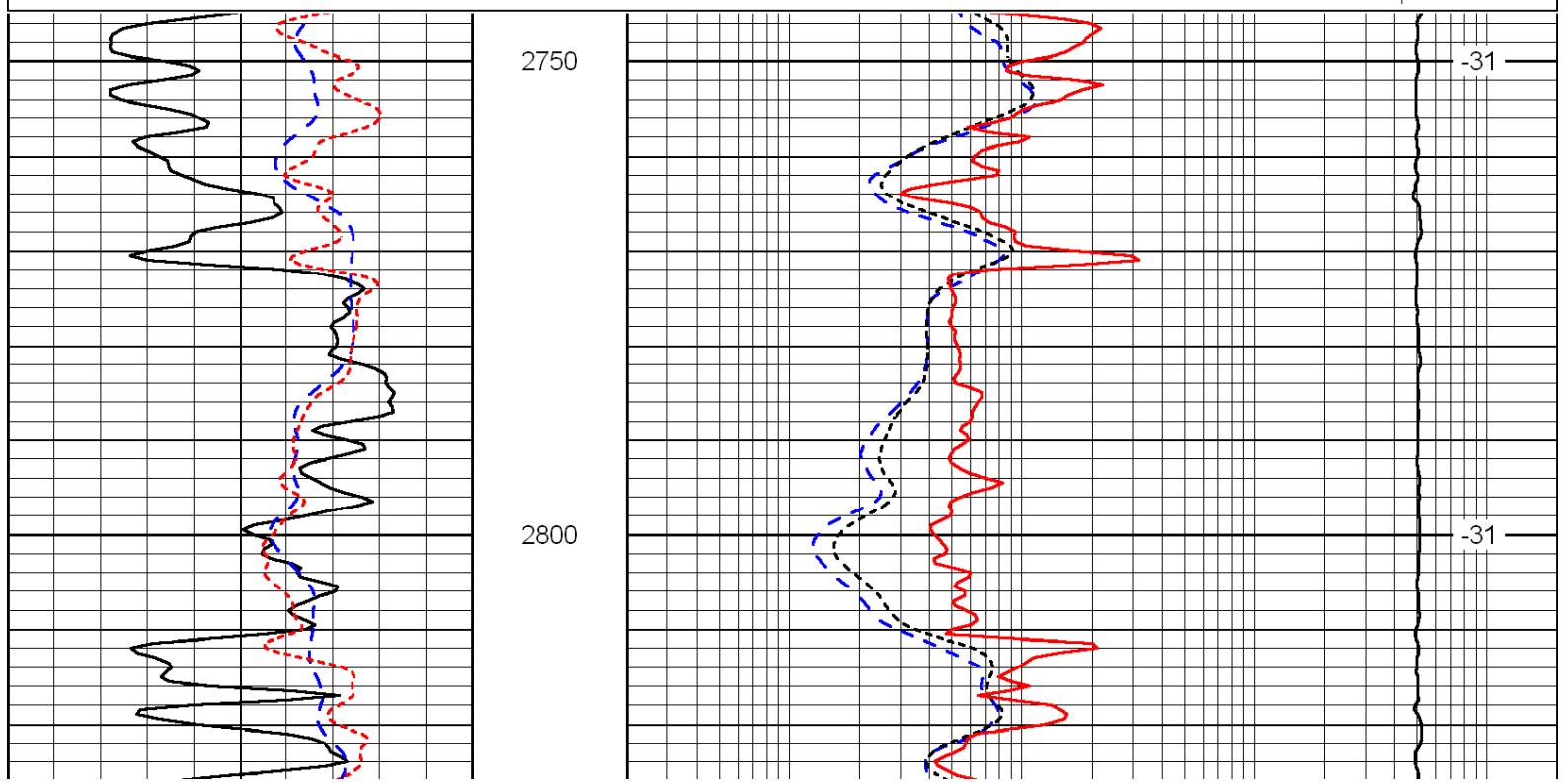
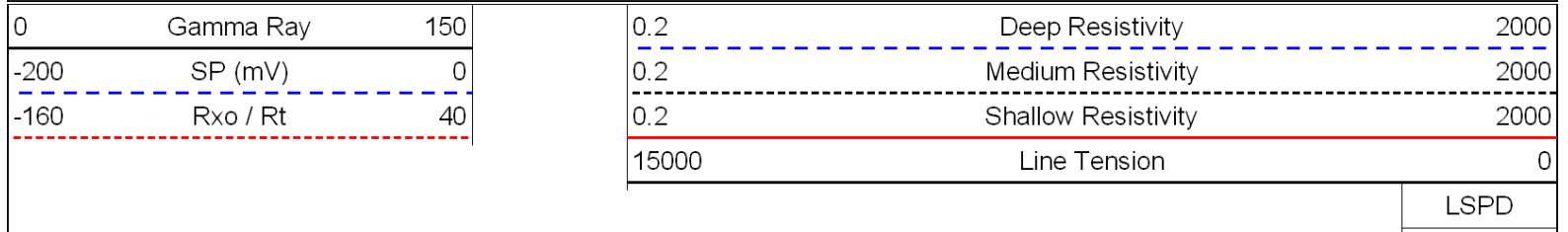


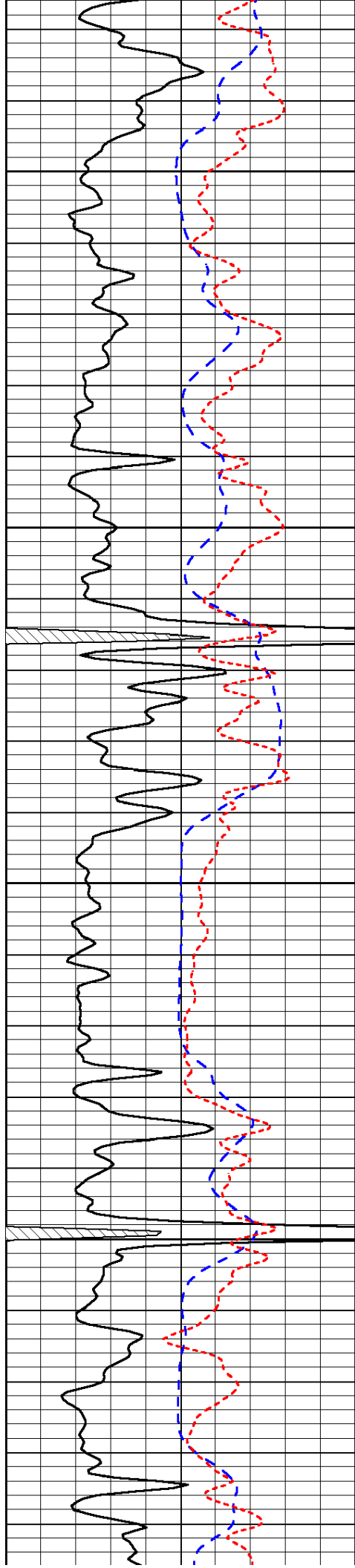






Database File: c:\warrior\data\ld drilling_austin bernice no. 4-23\ld021411hd.db
Dataset Pathname: dil\ldstack
Presentation Format: dil
Dataset Creation: Mon Feb 14 20:20:52 2011
Charted by: Depth in Feet scaled 1:240



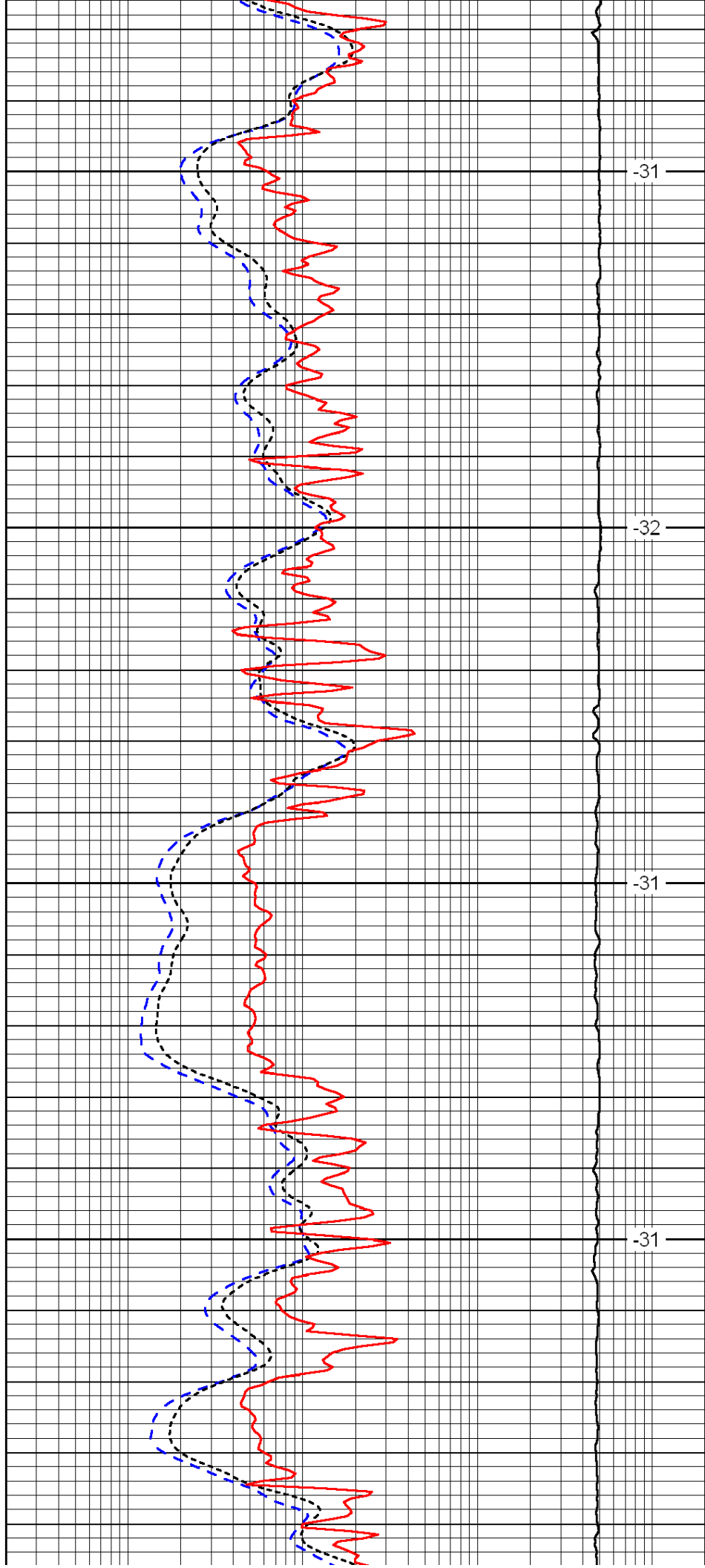


2850

2900

2950

3000

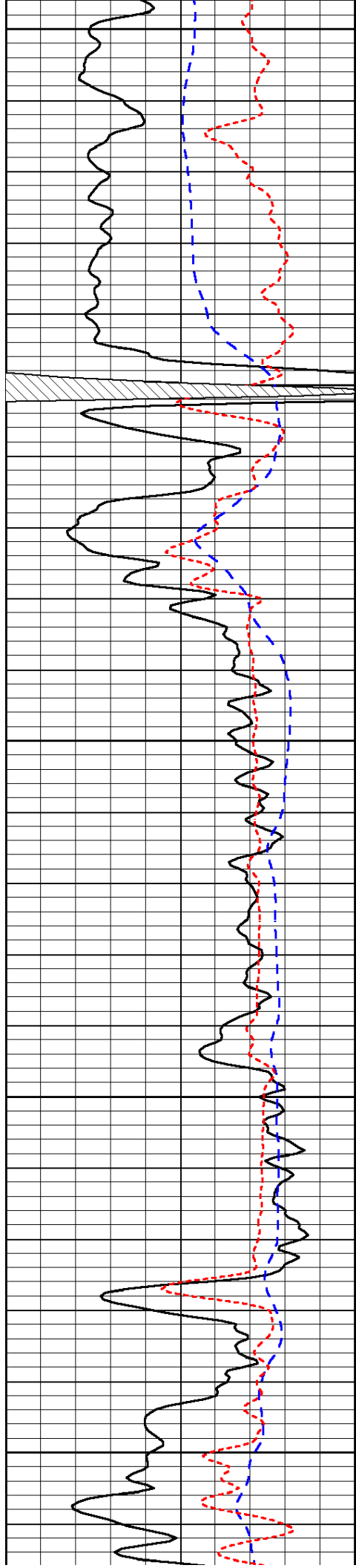


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-31

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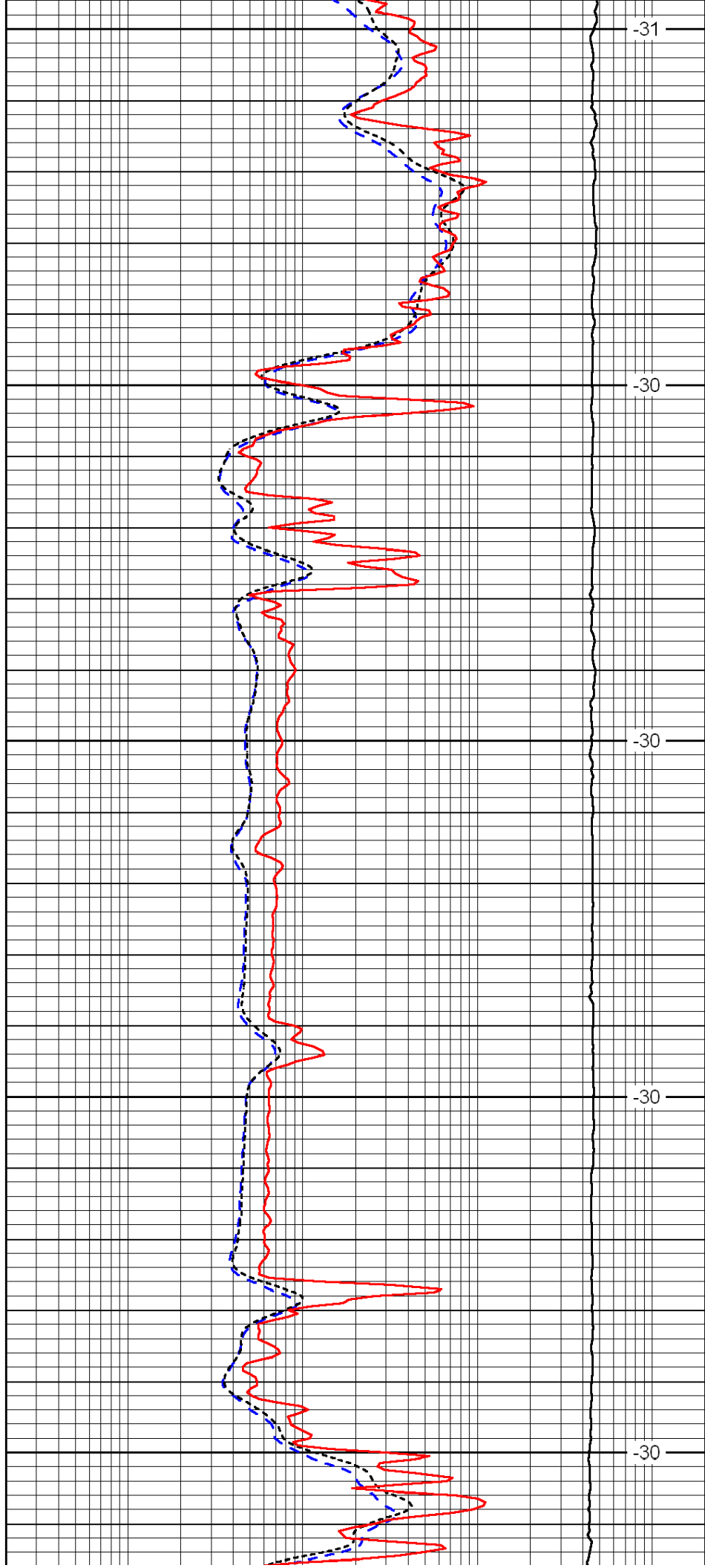
3050

3100

3150

3200

3250



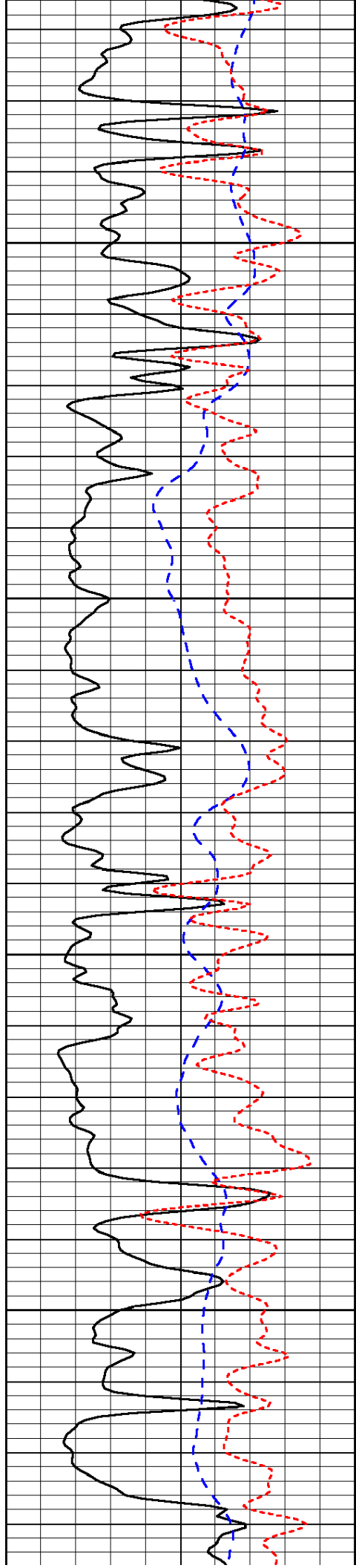
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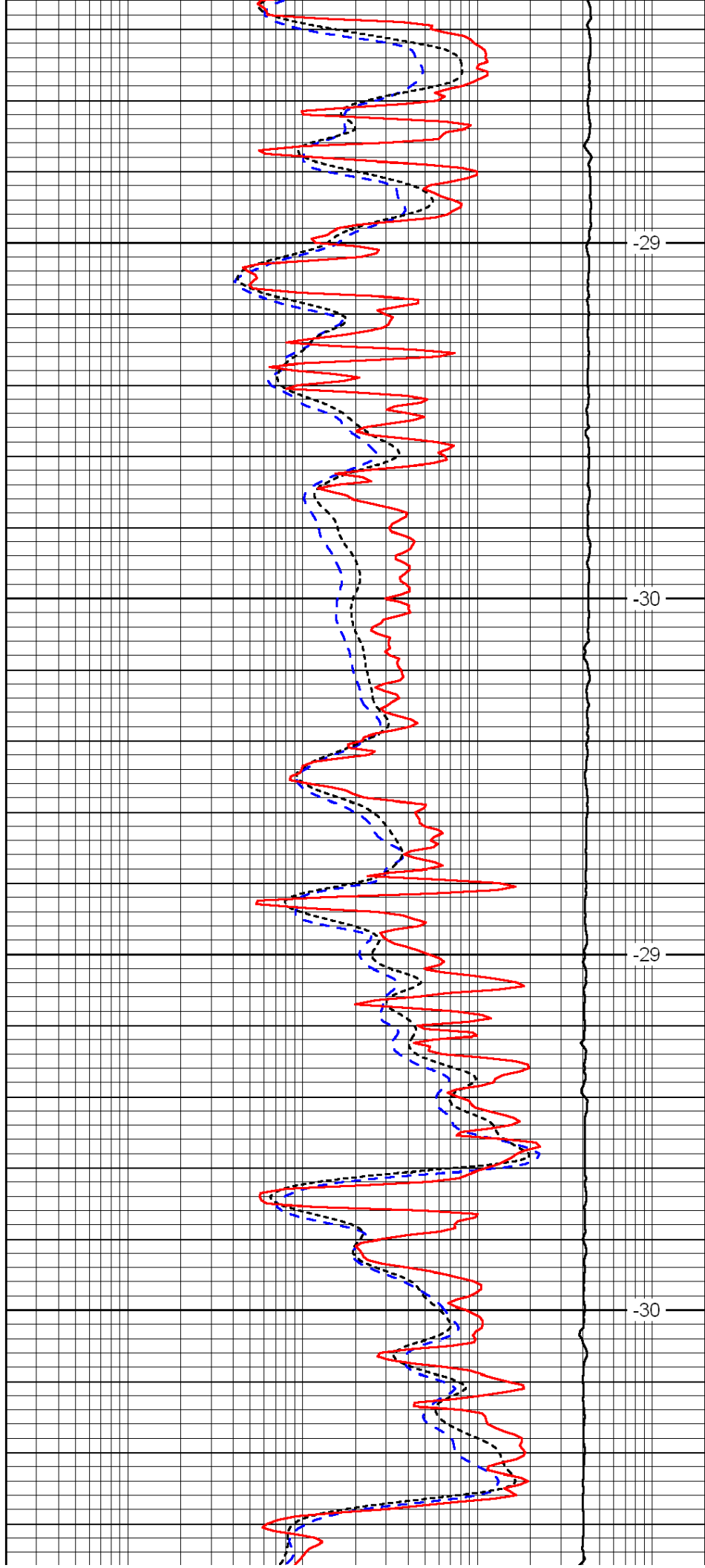


3300

3350

3400

3450

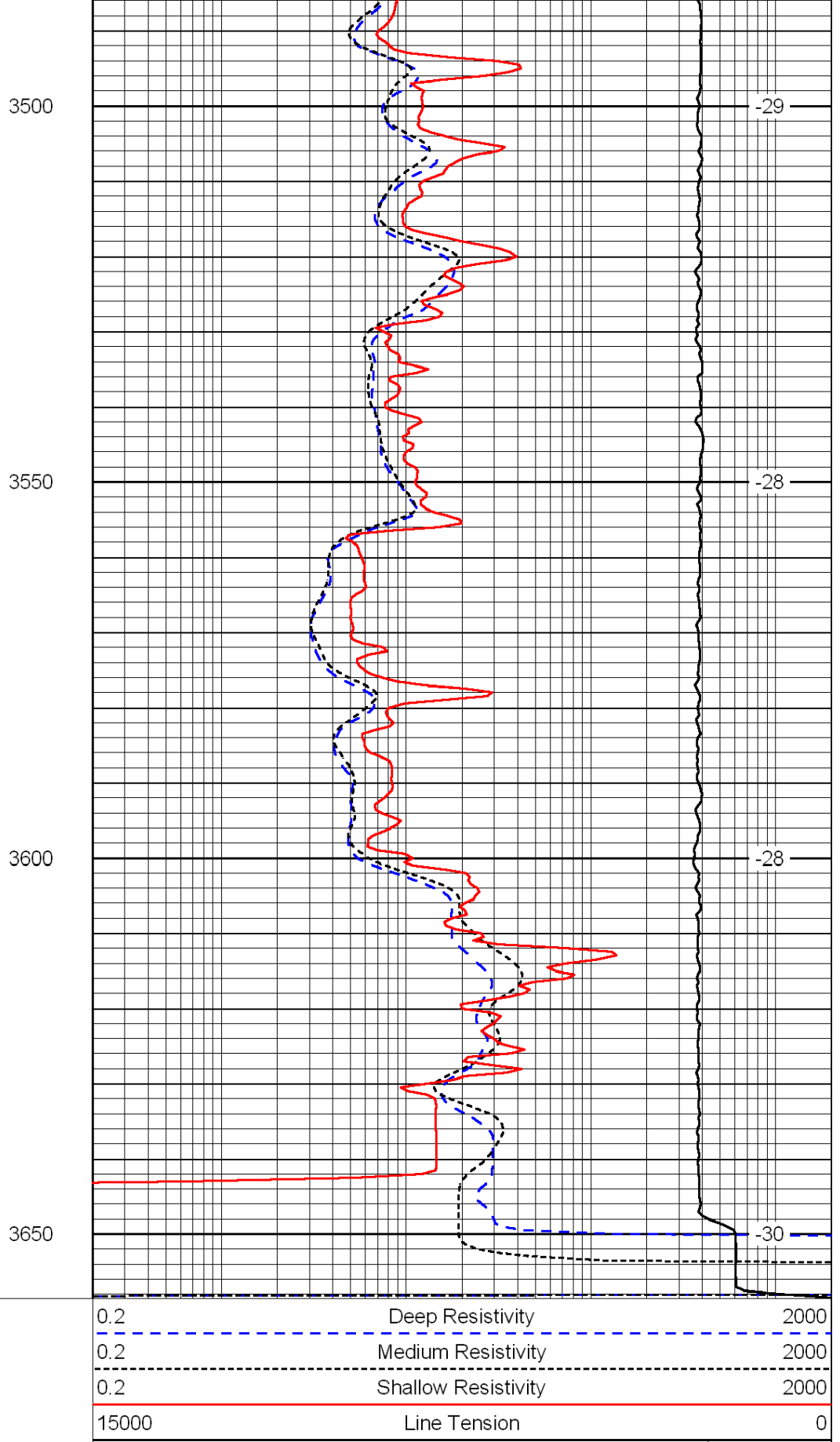
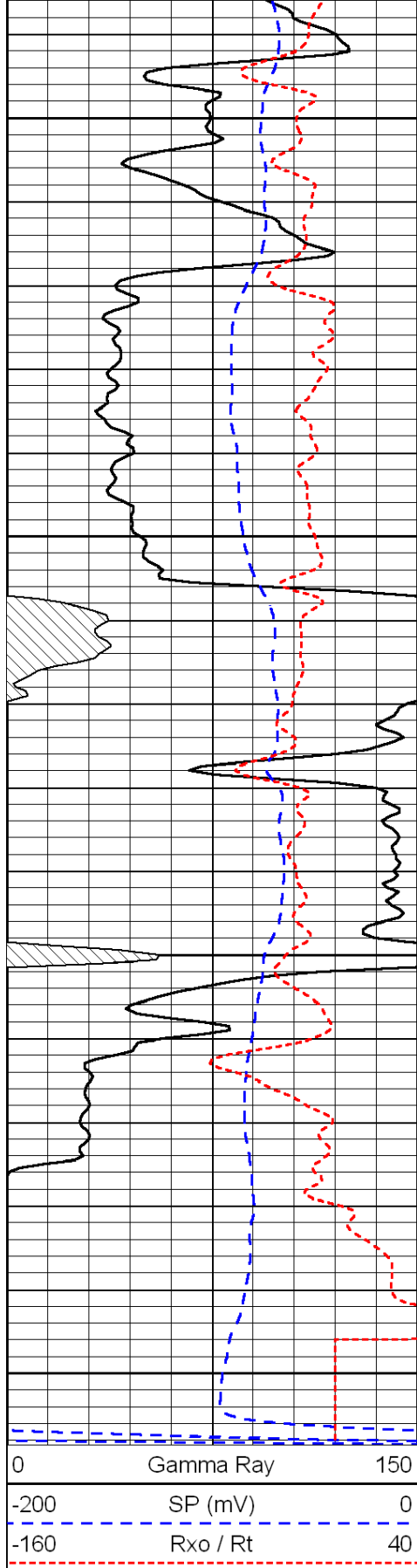


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LSPD