



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company E&B Natural Resources Management		
	Well Marshall A No. 37		
	Field Bemis-Shutts		
	County Ellis	State	Kansas
	Location	SW SW NW SW 1330' FSL & 100' FWL	
	Sec: 31	Twp: 11 S	Rge: 17 W
Permanent Datum	Ground Level	Elevation 2117	Other Services CNL/CDL MEL
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 2122
Drilling Measured From	From Kelly Bushing		D.F. 2117
Date	2/9/2012		
Run Number	One		
Depth Driller	3720		
Depth Logger	3721		
Bottom Logged Interval	3720		
Top Log Interval	250		
Casing Driller	8.625 @ 264		
Casing Logger	262		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	6.000		
Density / Viscosity	9.2 63		
pH / Fluid Loss	10.5 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.80 @ 50		
Rmf @ Meas. Temp	.60 @ 50		
Rmc @ Meas. Temp	1.08 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.35 @ 115		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	115		
Equipment Number	91		
Location	Hays		
Recorded By	K. Bange		
Witnessed By	Bob O'Dell		

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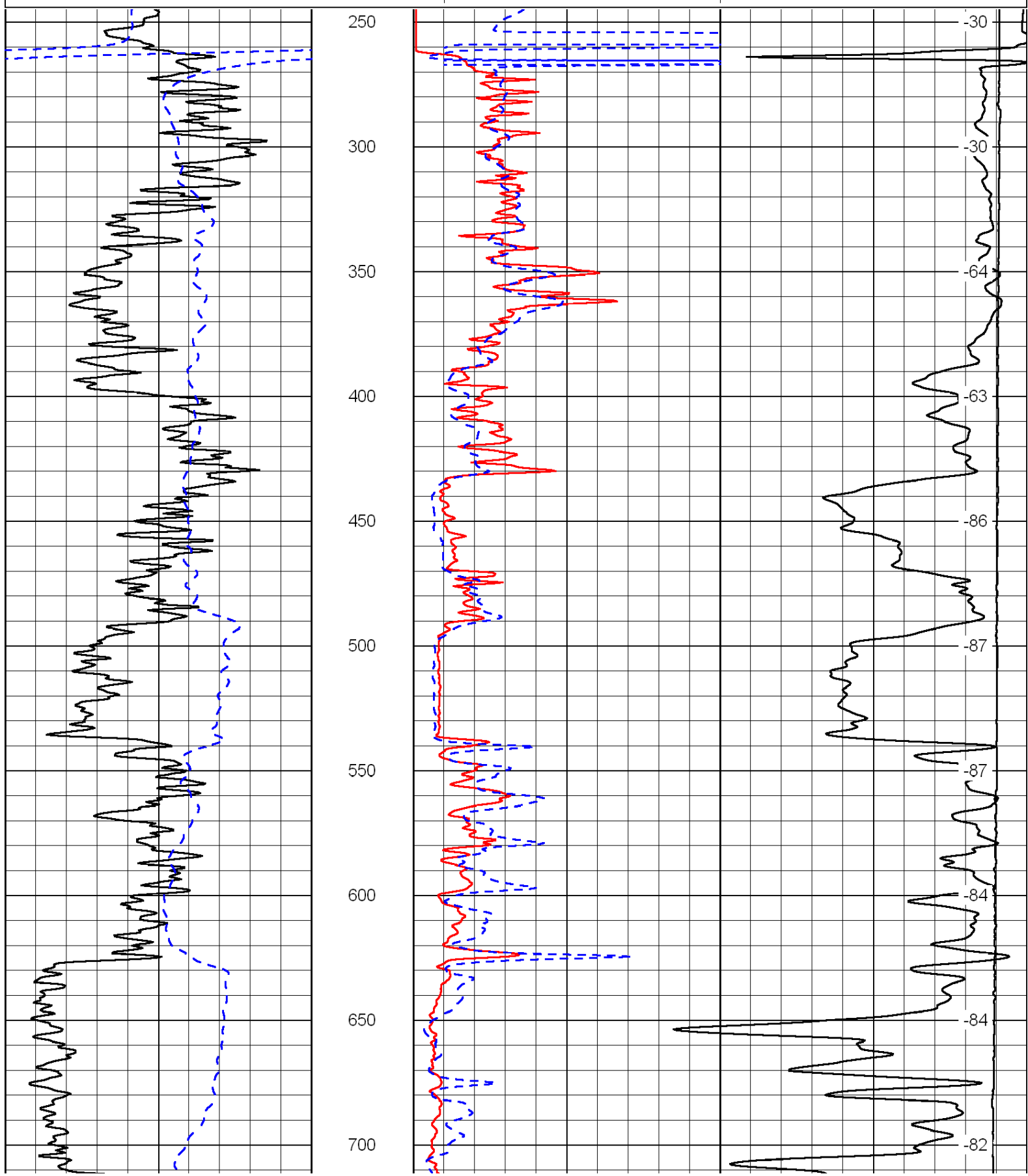
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

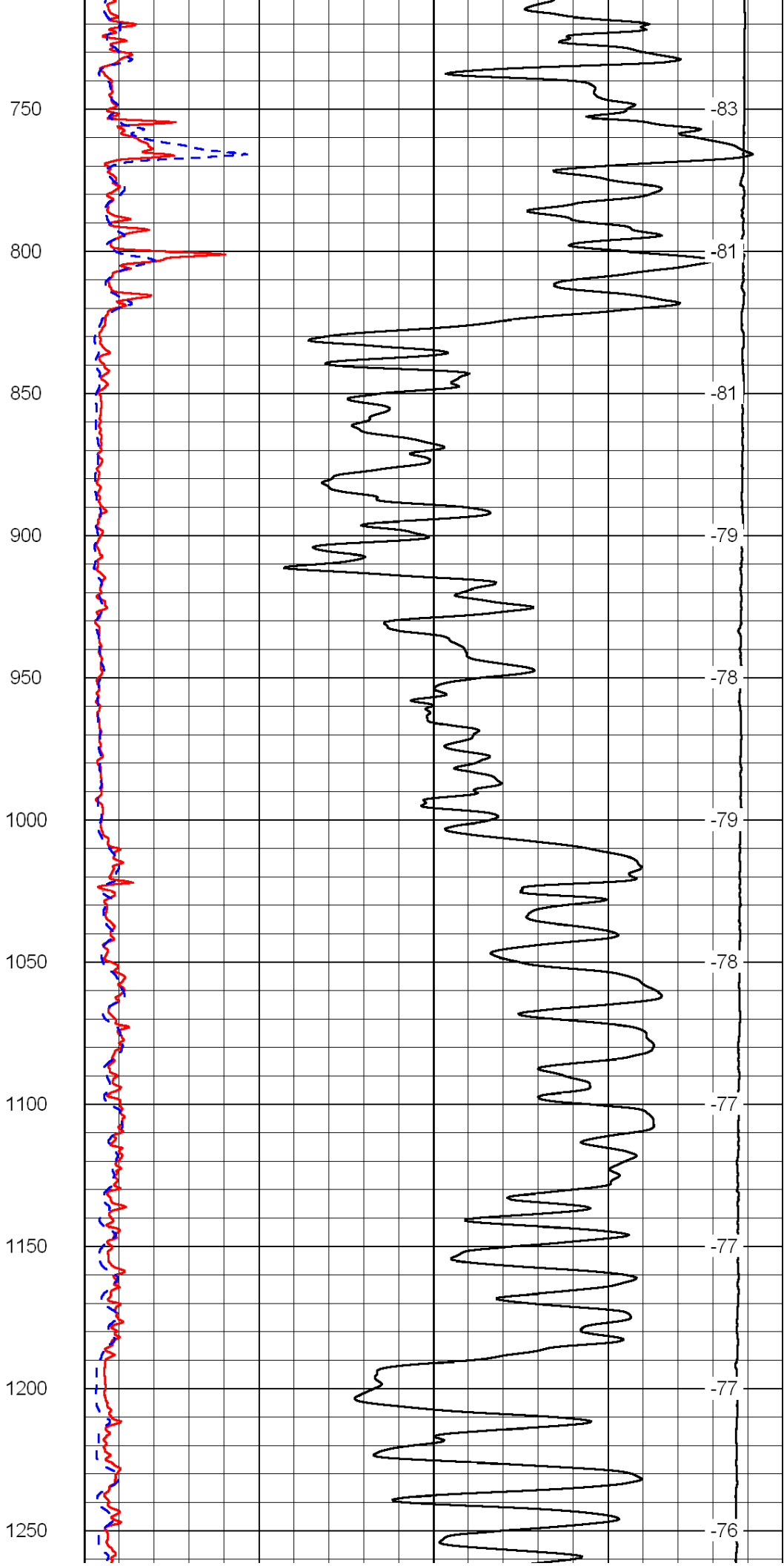
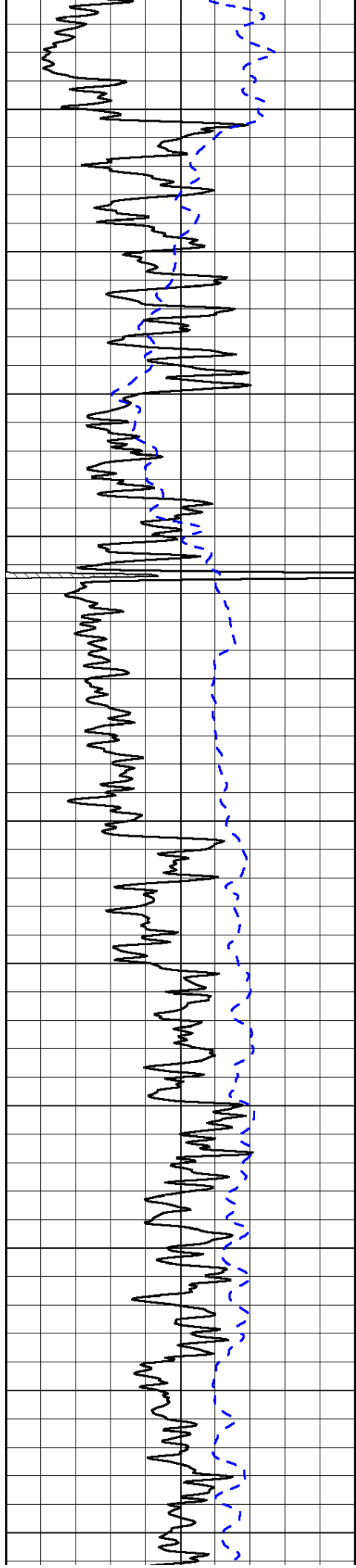
Comments

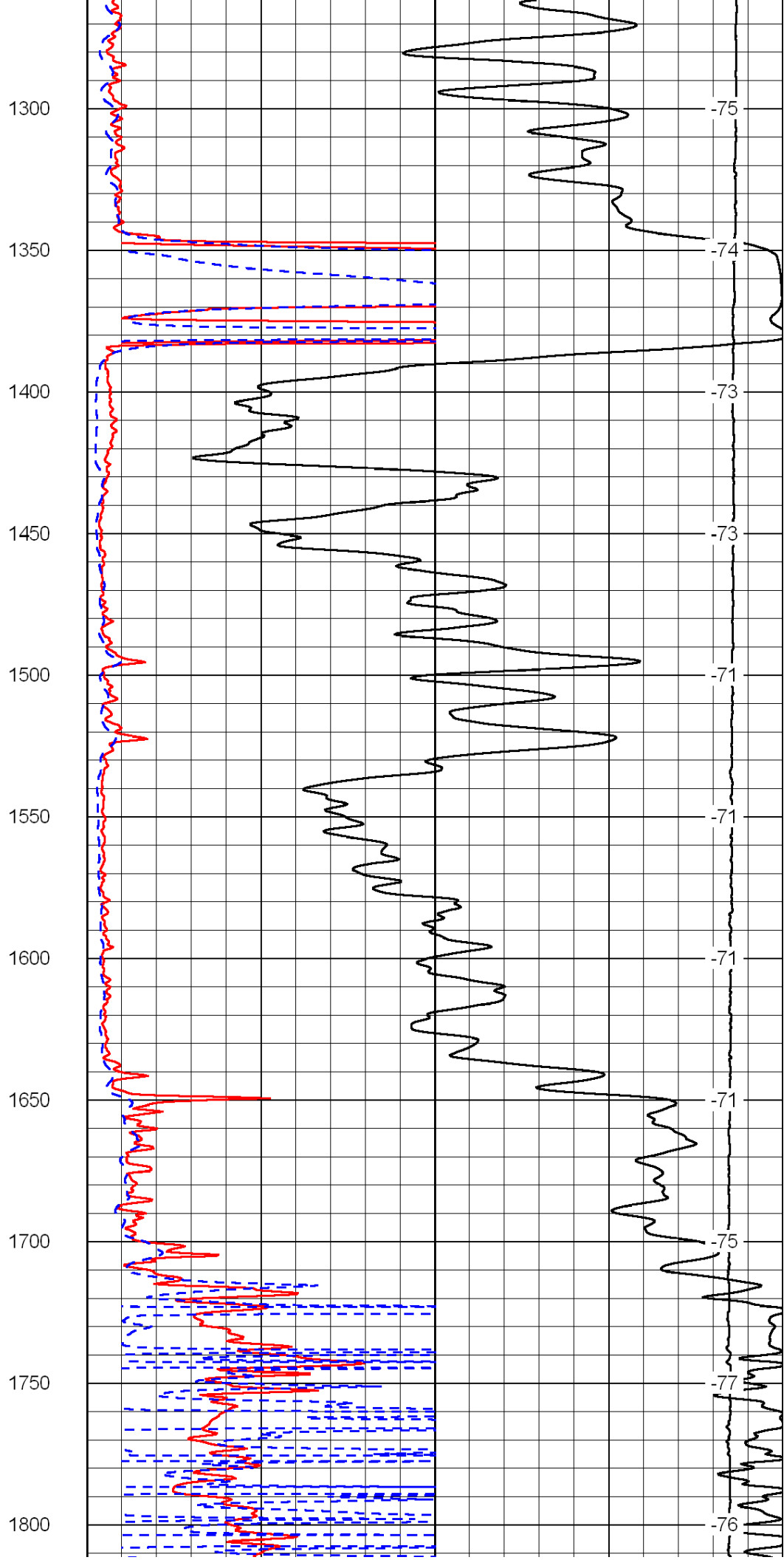
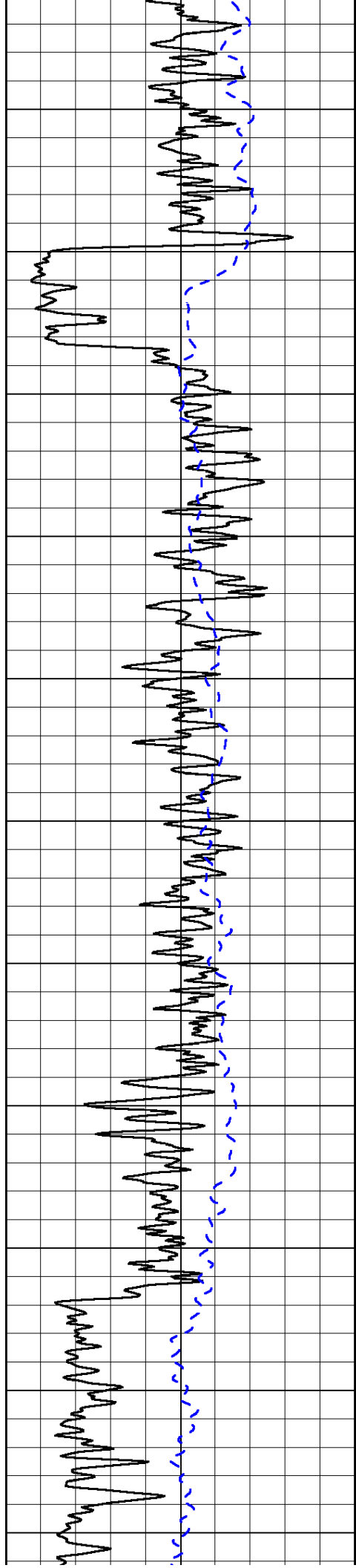
Thank you for using Log-Tech, Inc.
(785) 625-3858

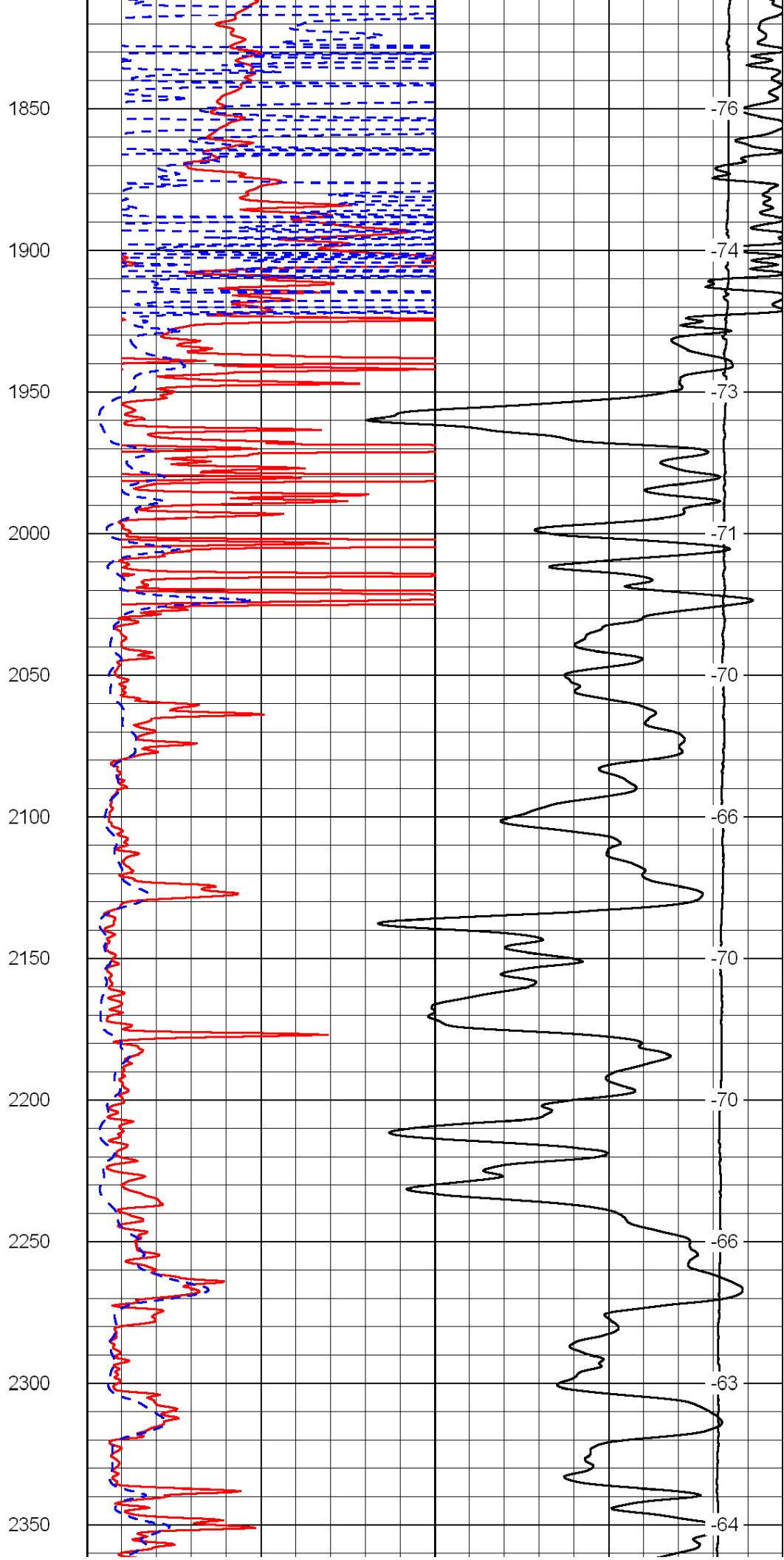
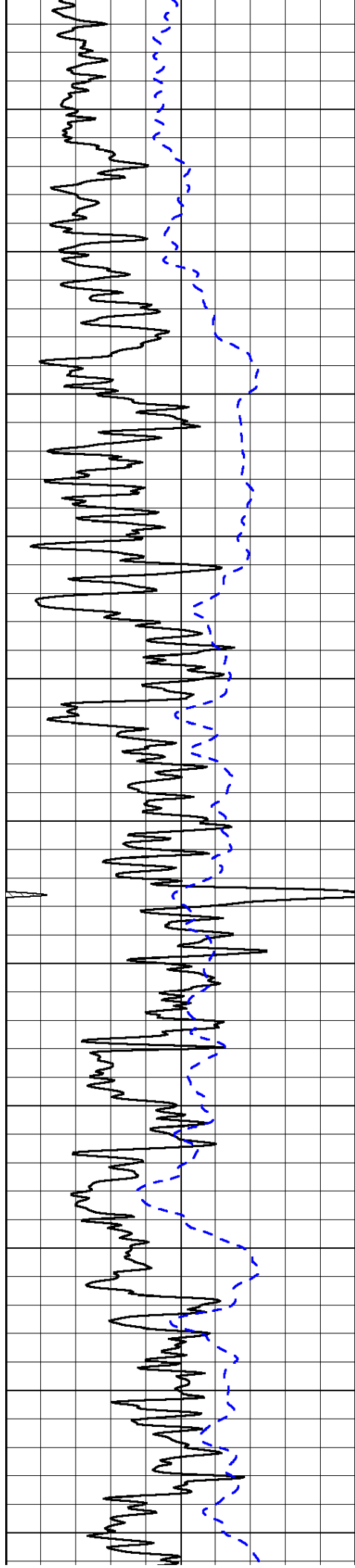
Hays, N to Buckeye rd, 3 E to 280 rd,
3 N, West thru yard, N and E into

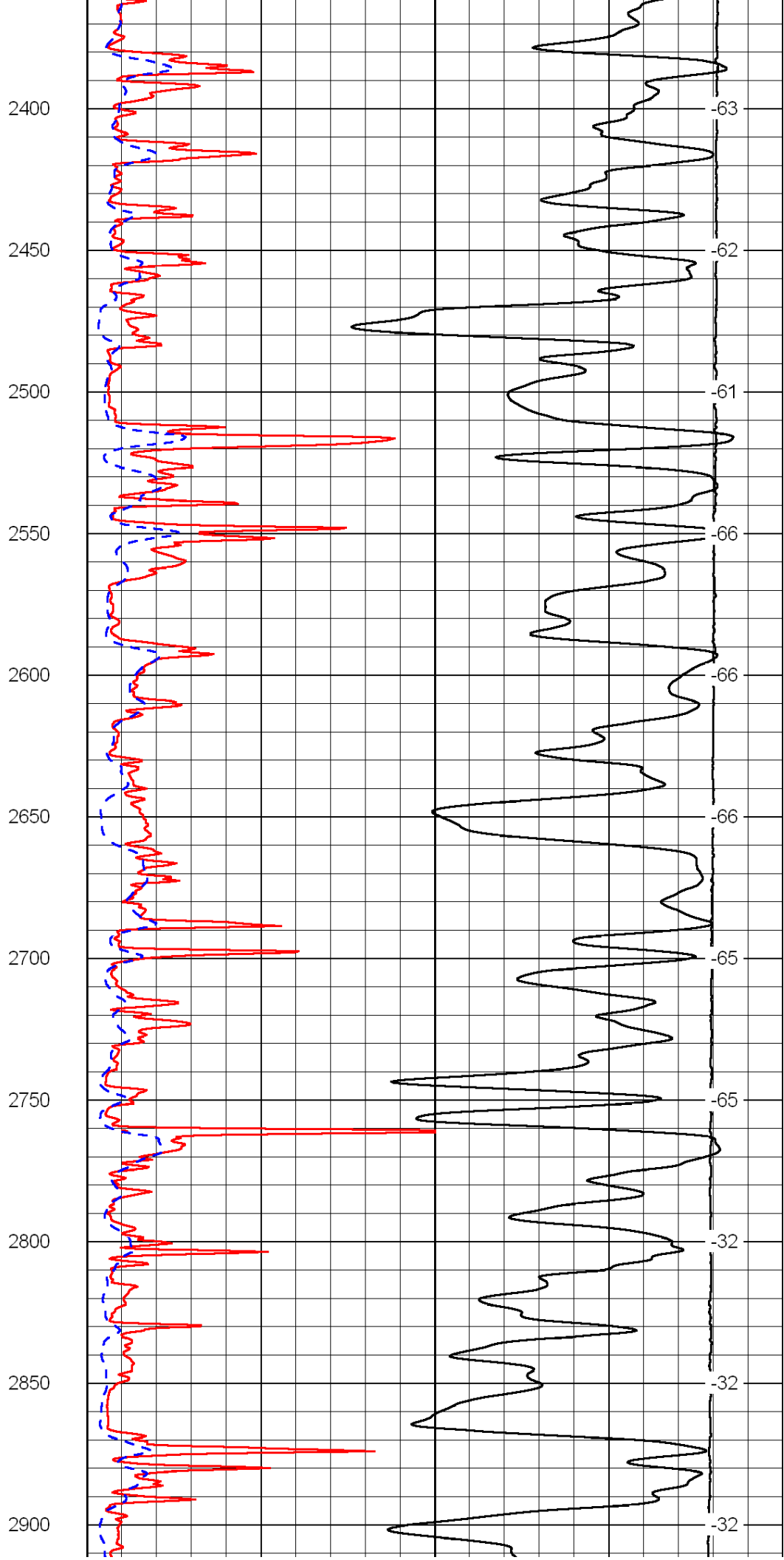
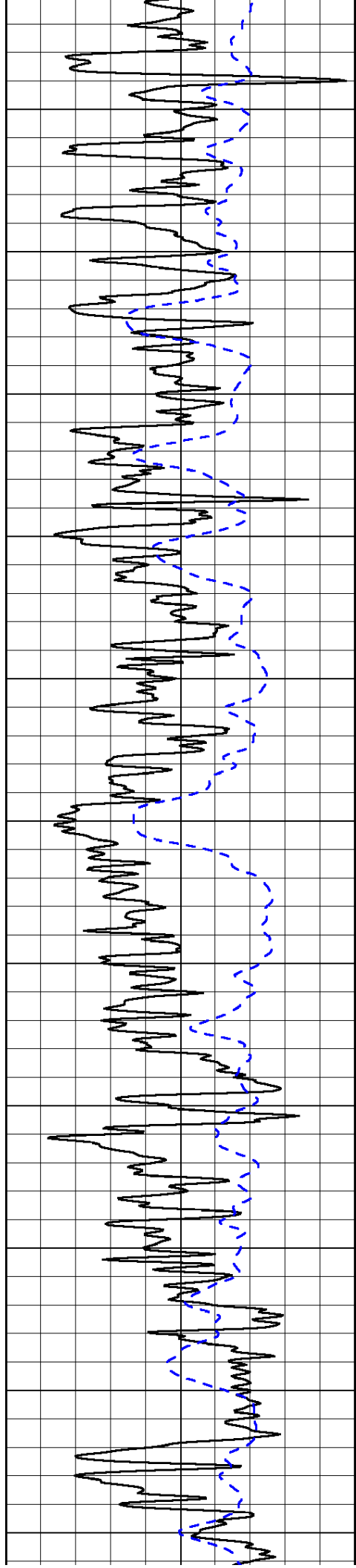
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Presentation Format: dil2in
Dataset Creation: Thu Feb 09 06:09:16 2012
Charted by: Depth in Feet scaled 1:600

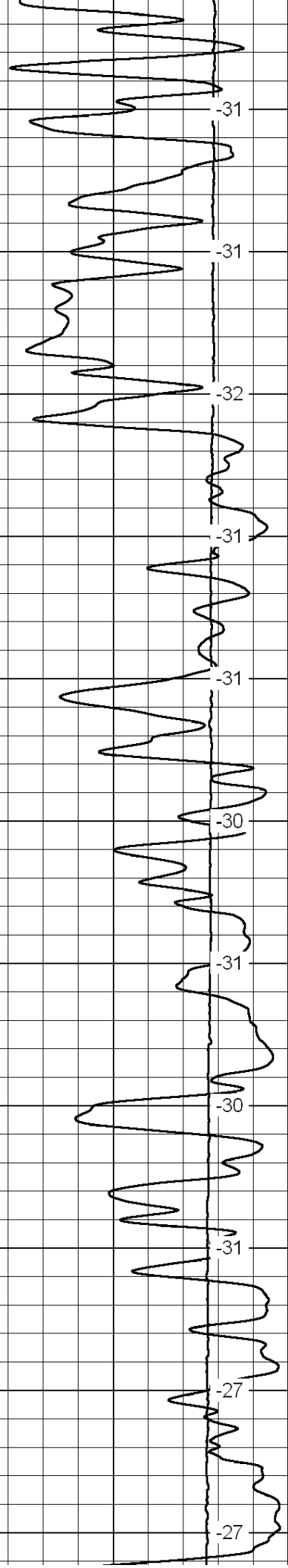
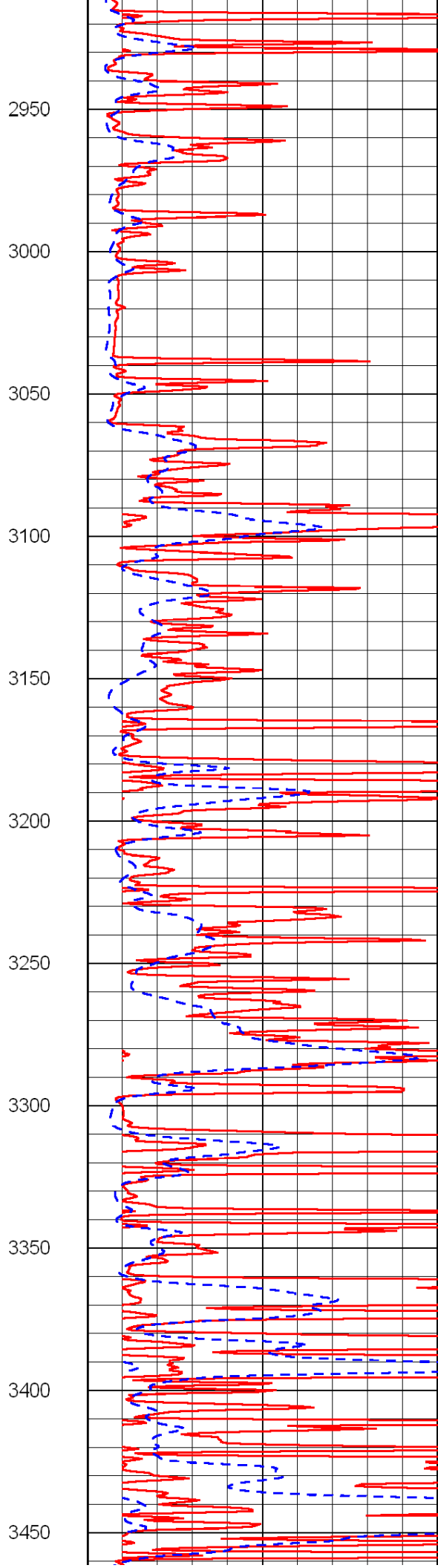
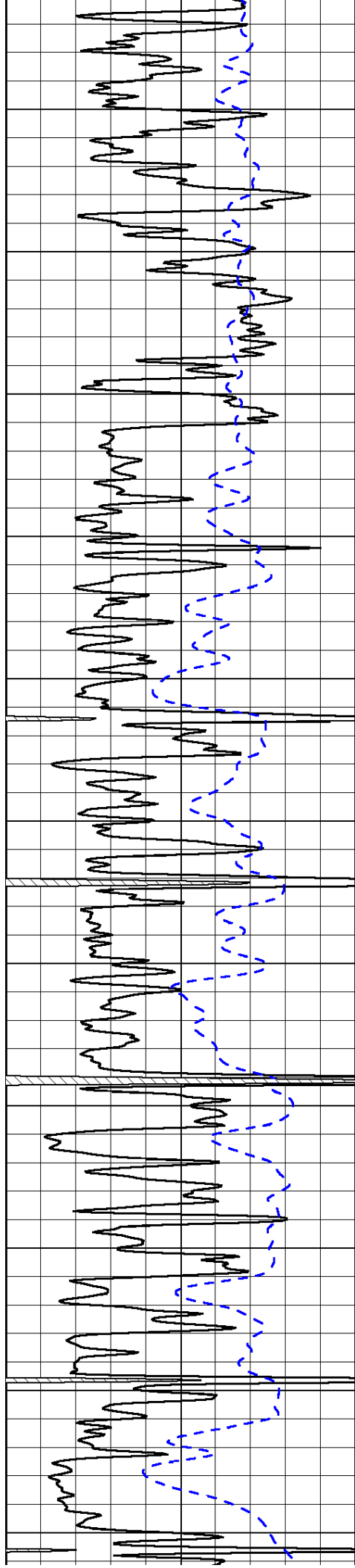


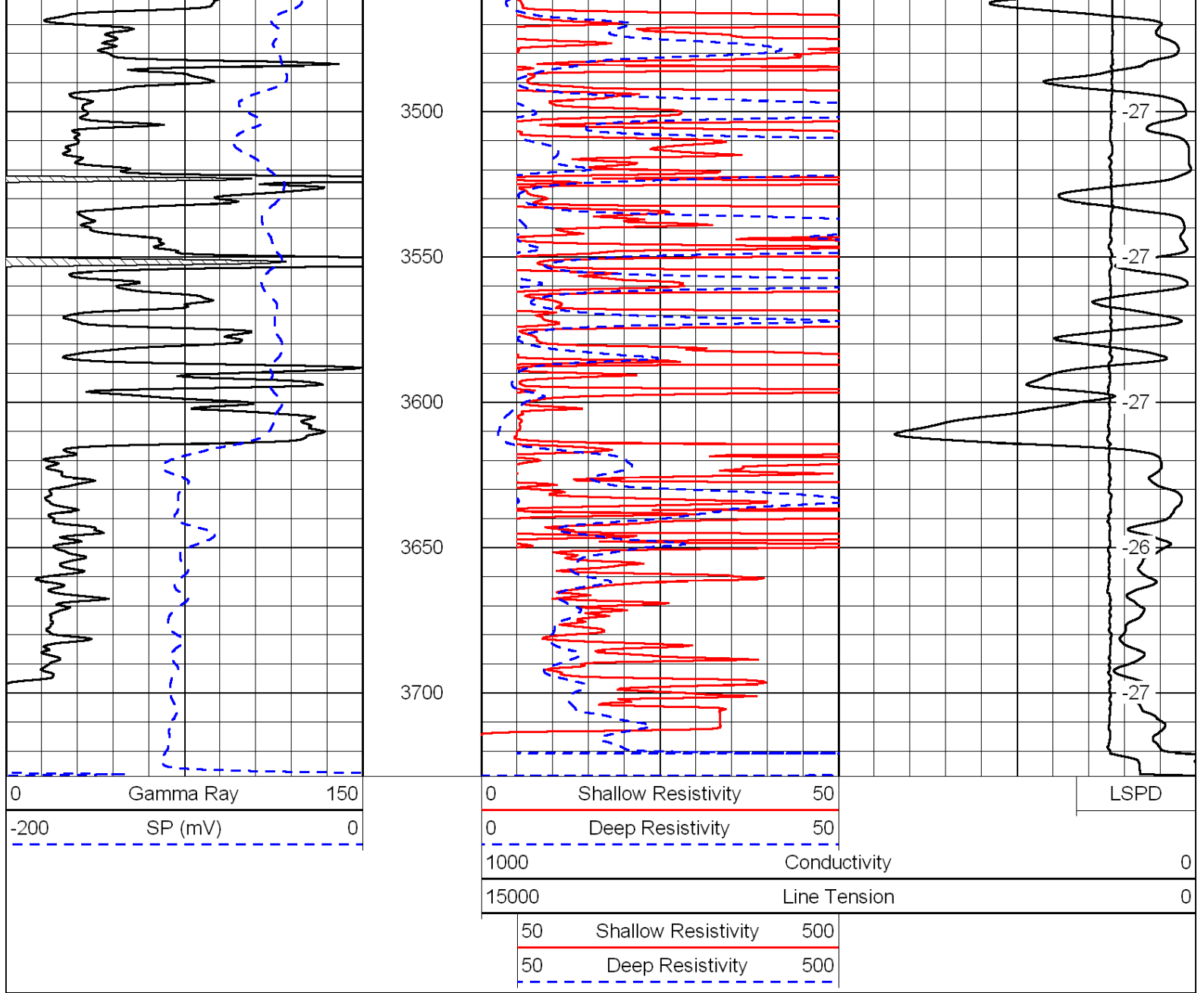




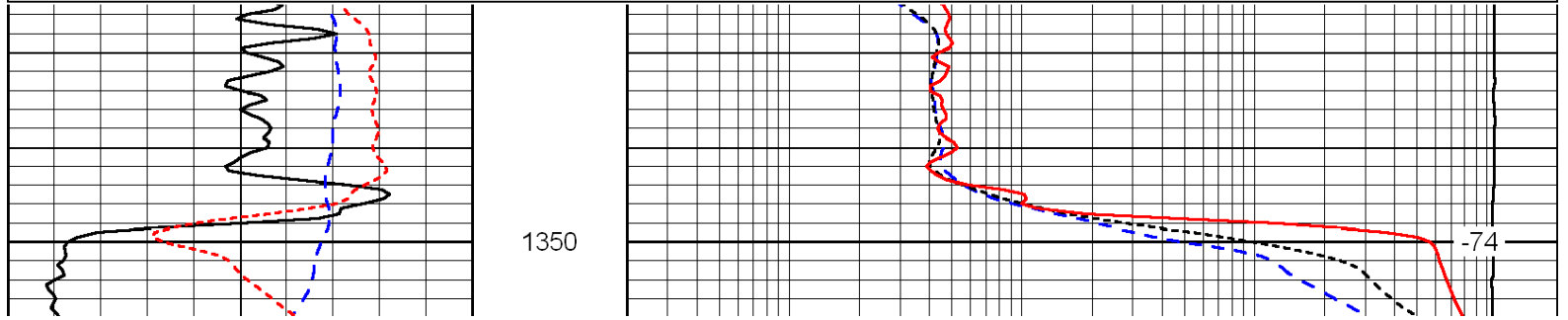


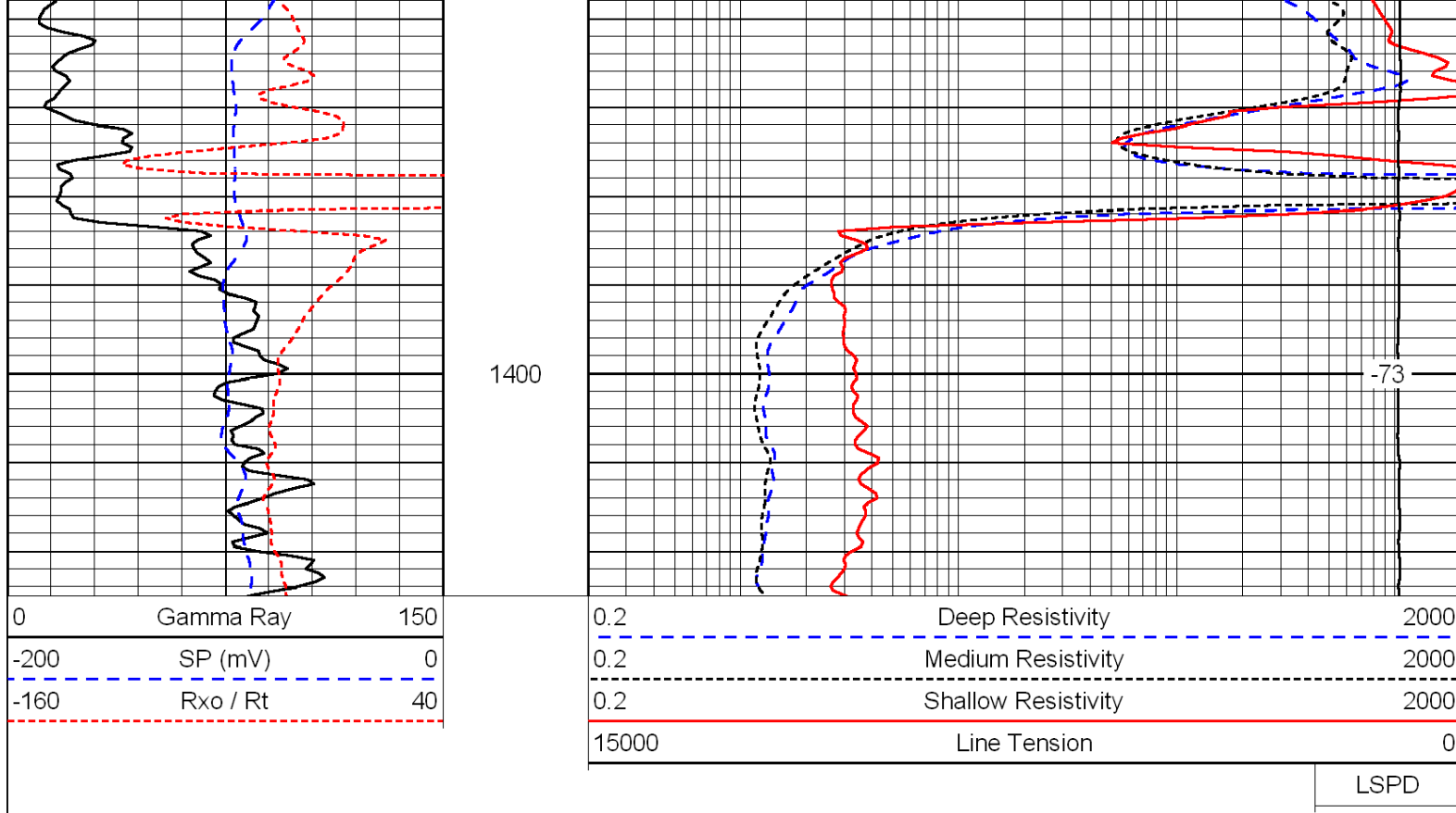




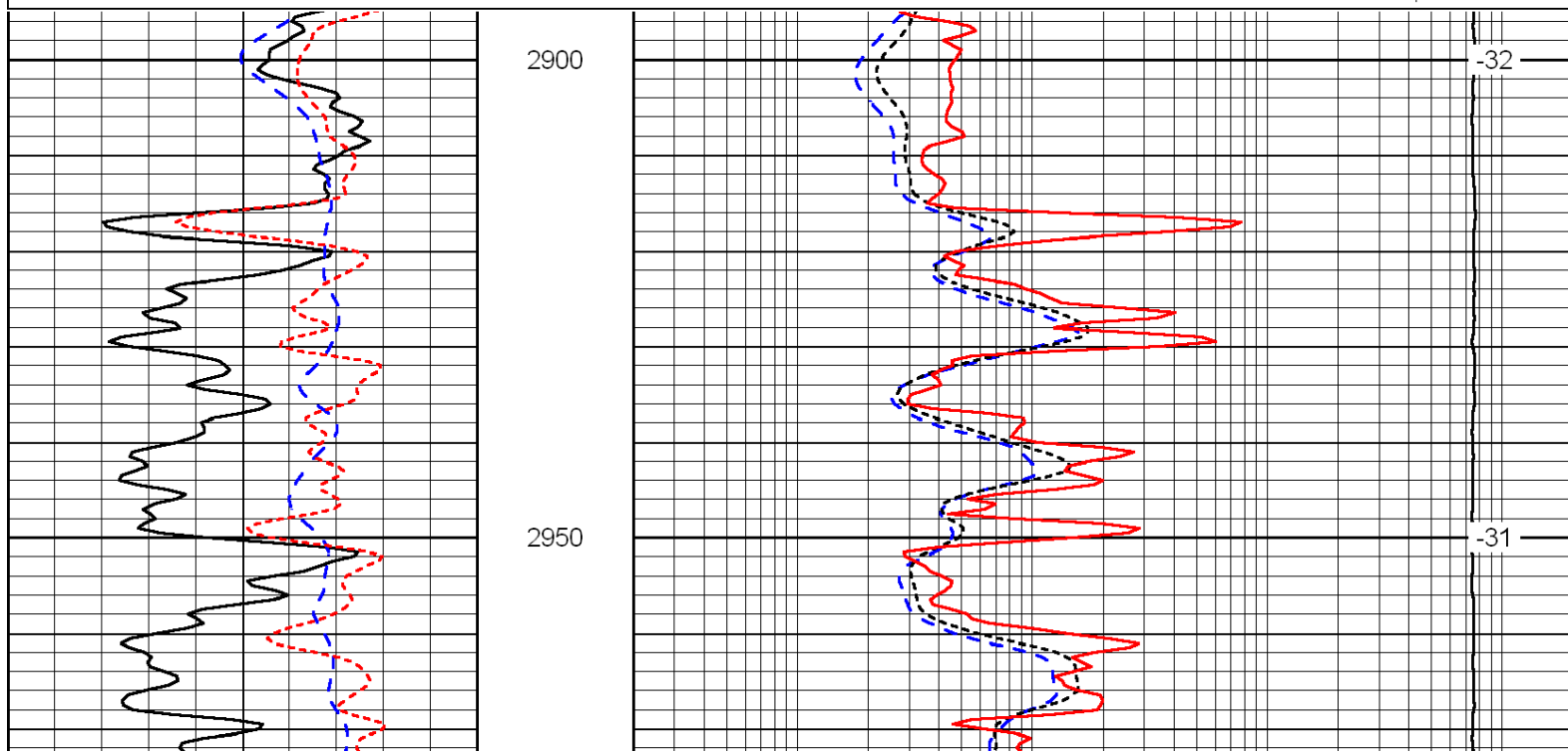
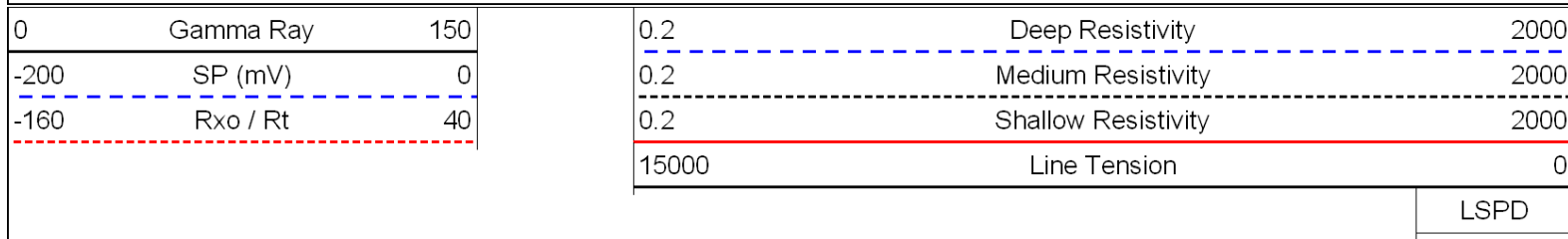


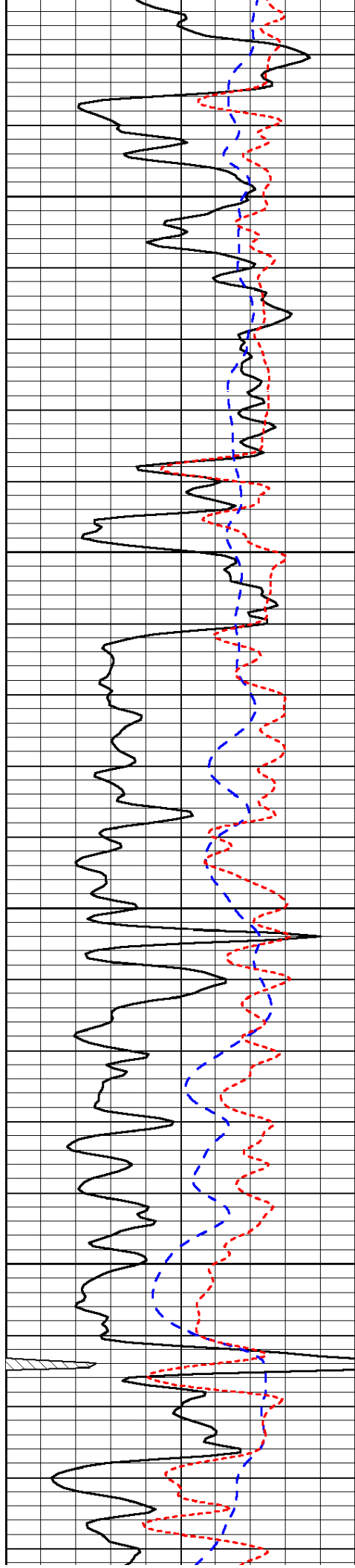
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Charted by: Depth in Feet scaled 1:240		
0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0
LSPD		





Database File: c:\warrior\data\e&b natural resources_marshall a #37\e&b020912hd.db
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Presentation Format: dil
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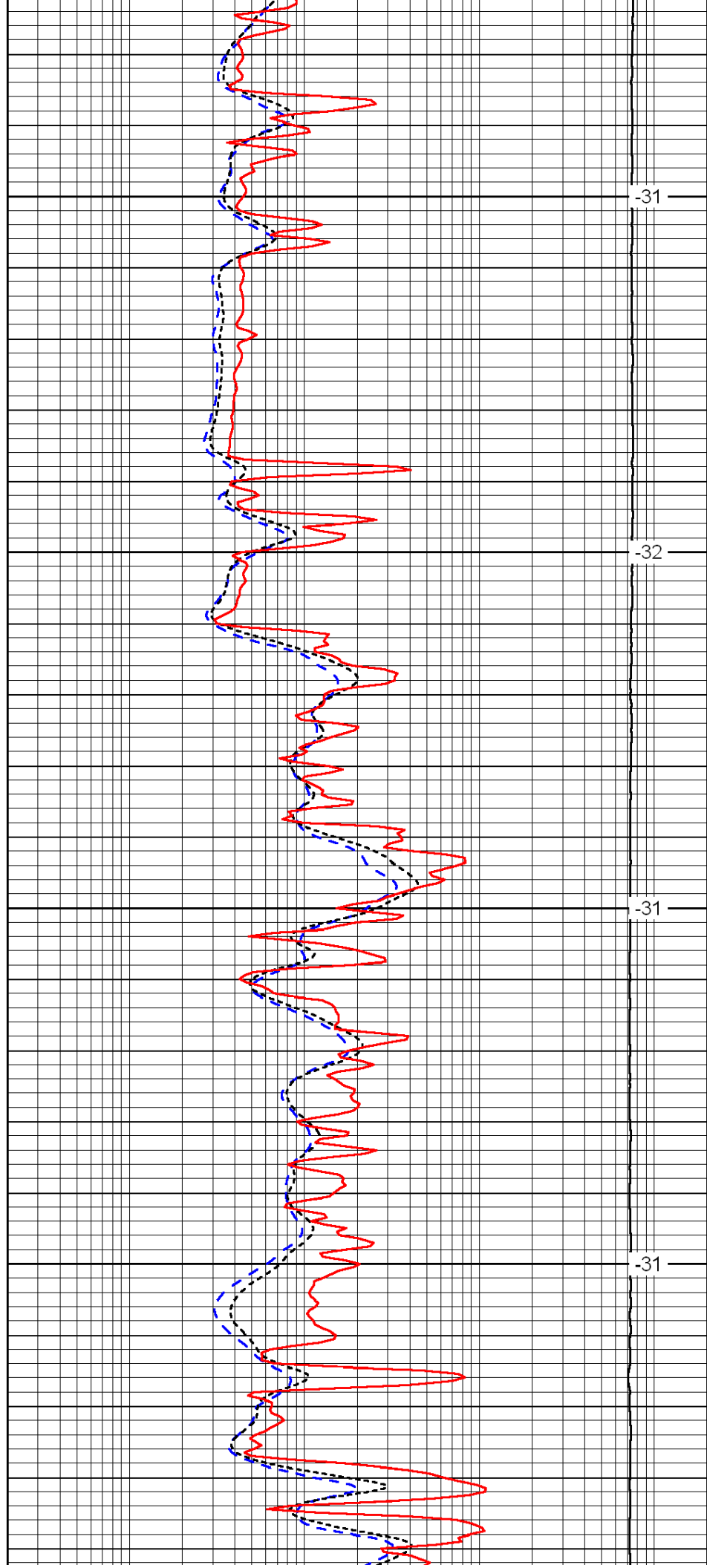


3000

3050

3100

3150

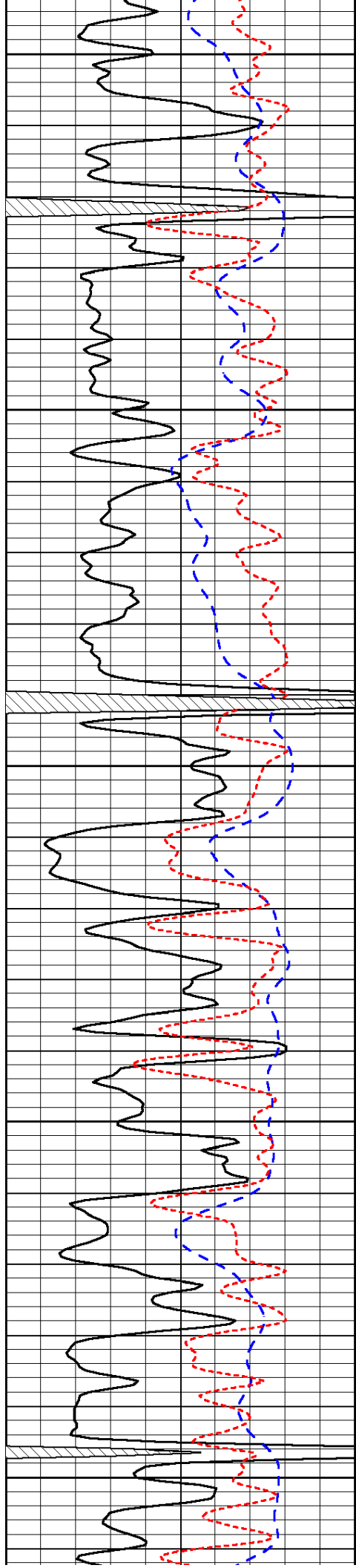


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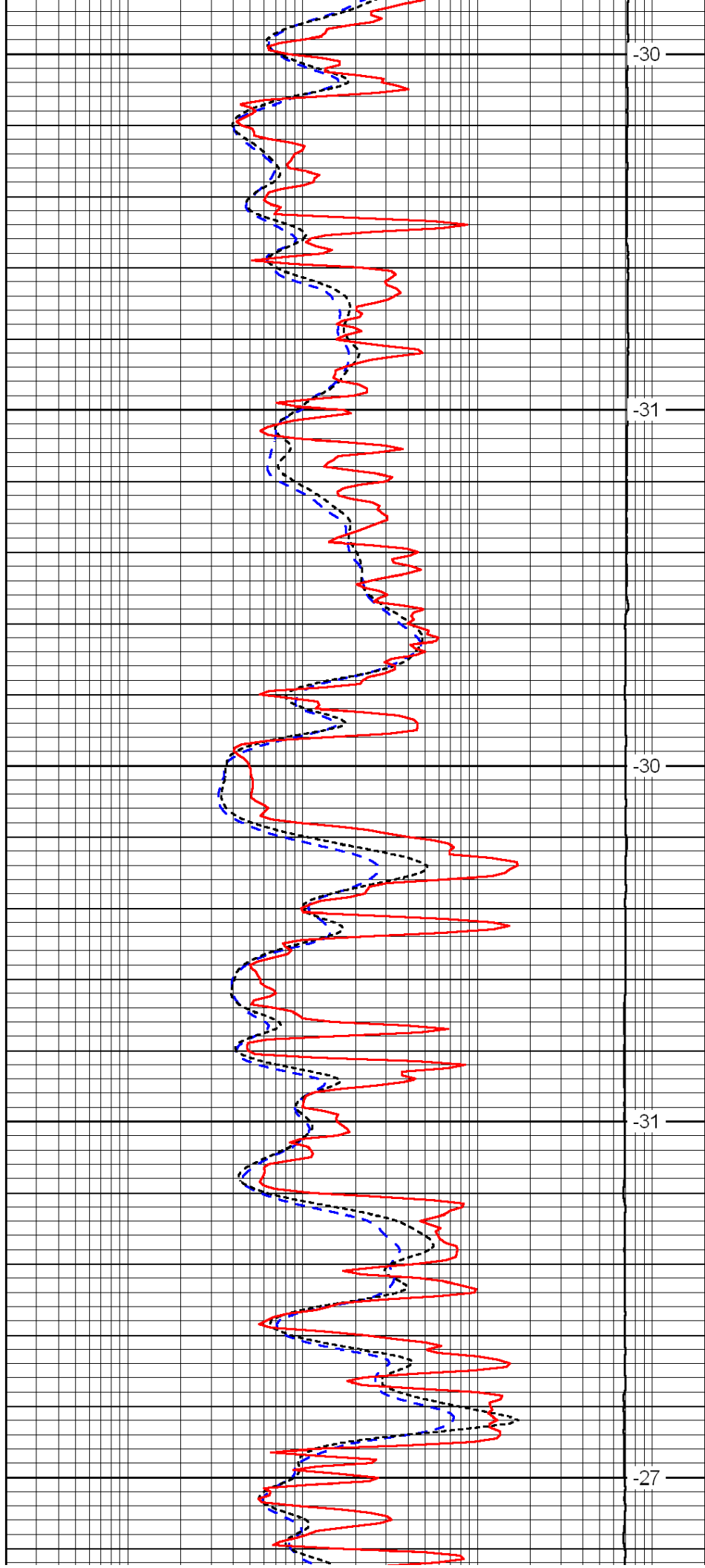
3200

3250

3300

3350

3400



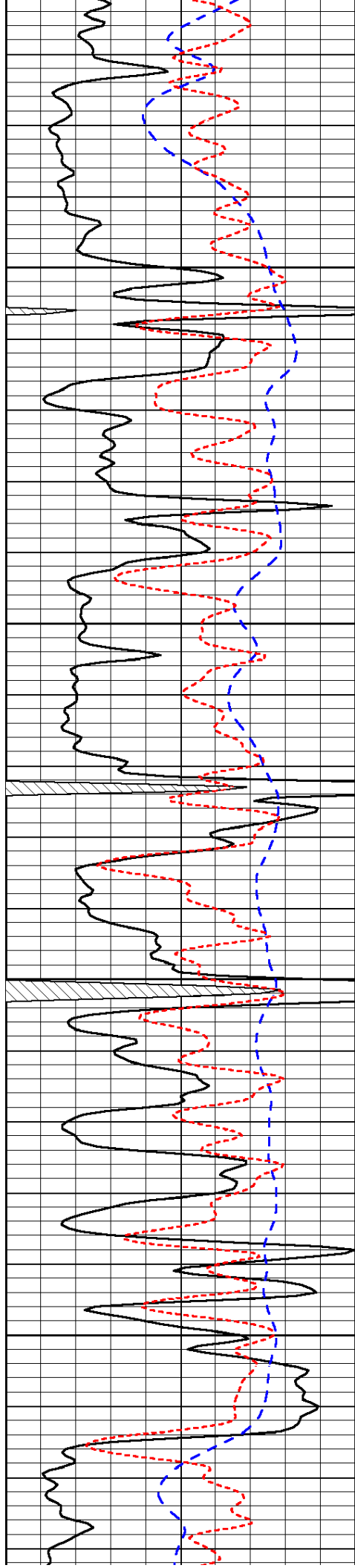
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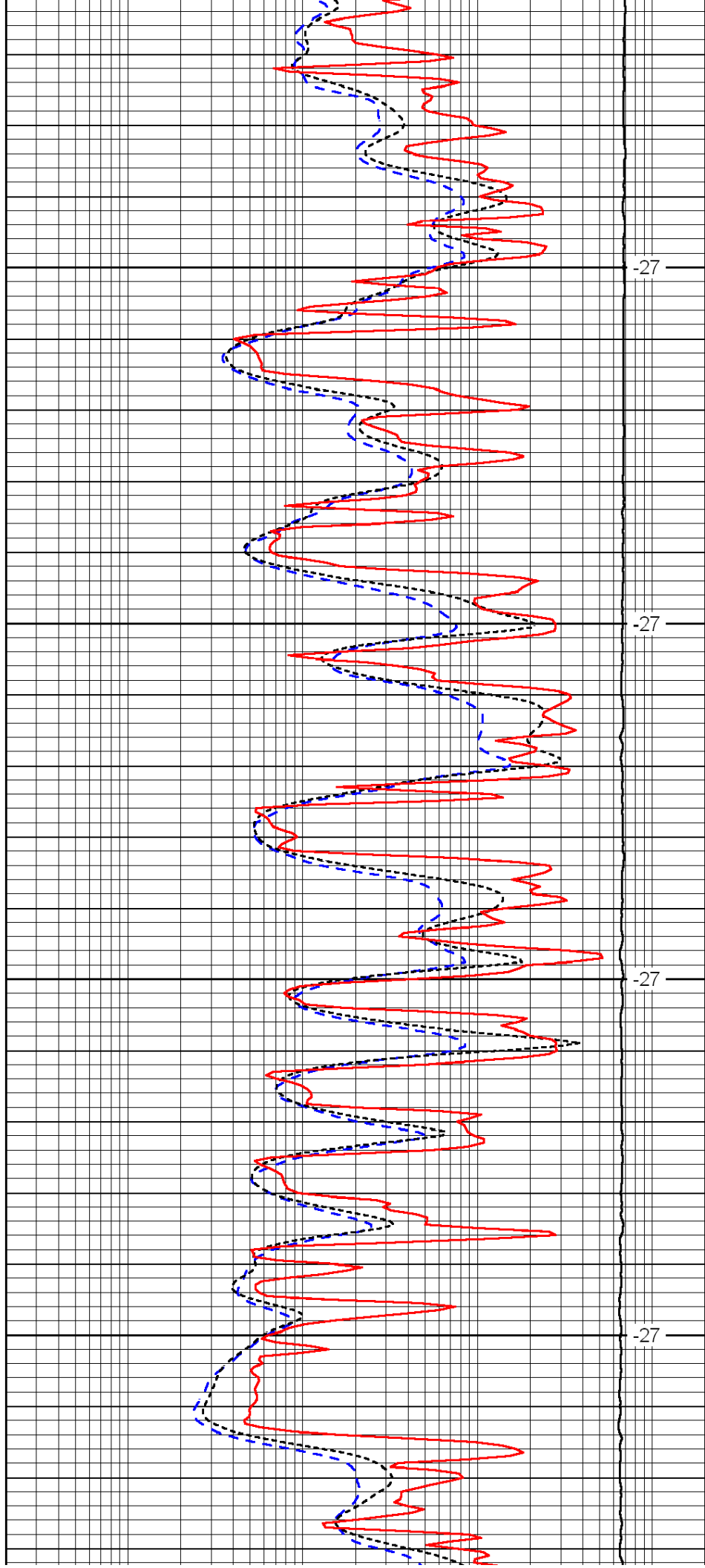


3450

3500

3550

3600

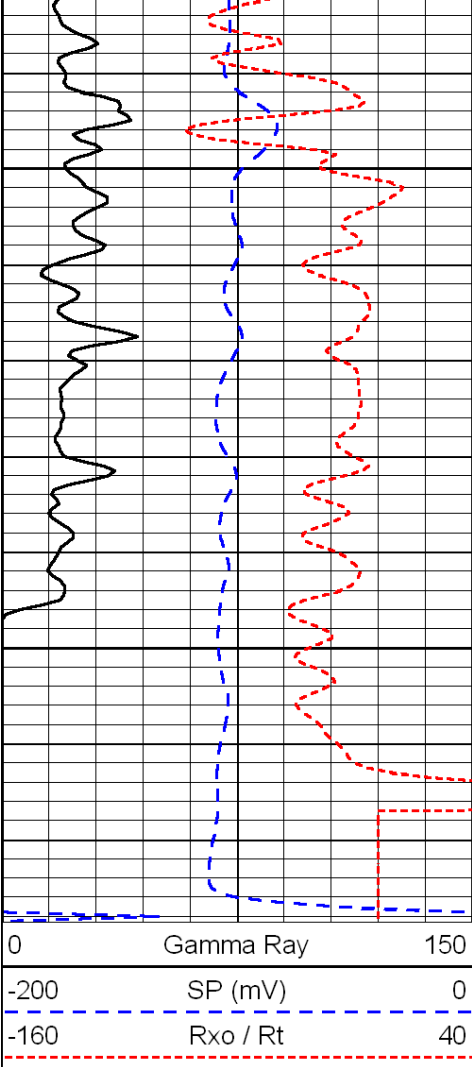


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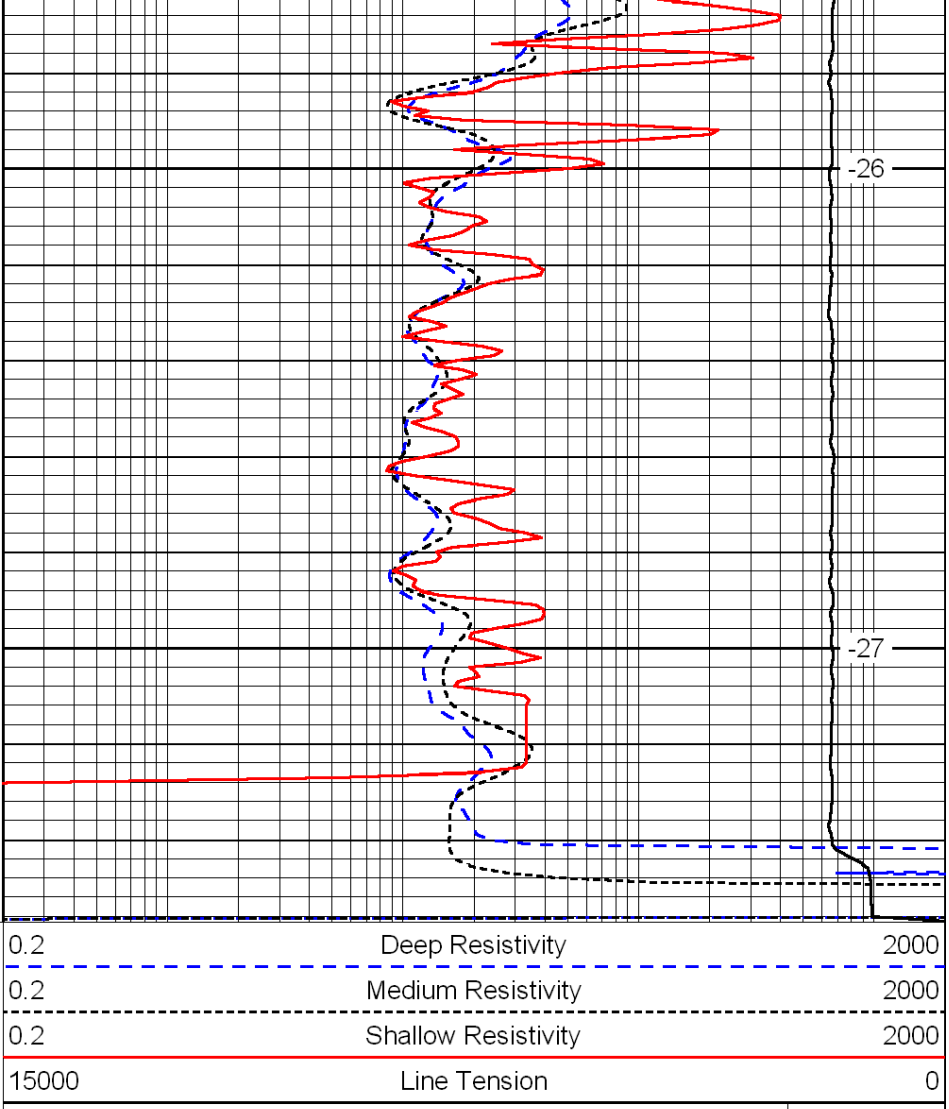
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3650

3700



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LSPD