



Dual Induction Log

Pioneer Energy Services

API No.		Company TDI, Inc.	
15-051-26,484-00-00		Well Kingsley #1	
		Field Unnamed	
		County Ellis State Kansas	
Location		NW NW SE NE 1400' FNL & 1020' FEL	
Sec: 36 Twp: 14S Rge: 20W		Other Services CNL/CDL	
Permanent Datum Ground Level		Elevation 2084	
Log Measured From Kelly Bushing		10 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 2094 D.F. 2084 G.L. 2084	
Date	4/18/2013		
Run Number	One		
Depth Driller	3780		
Depth Logger	3781		
Bottom Logged Interval	3780		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	222		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3000		
Density / Viscosity	9.4 51		
pH / Fluid Loss	10.5 7.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.90 @ 51		
Rmf @ Meas. Temp	.68 @ 51		
Rmc @ Meas. Temp	1.22 @ 51		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.40 @ 114		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	114		
Equipment Number	15		
Location	Hays		
Recorded By	D. Kerr		
Witnessed By	Herb Deines	Tom Denning	

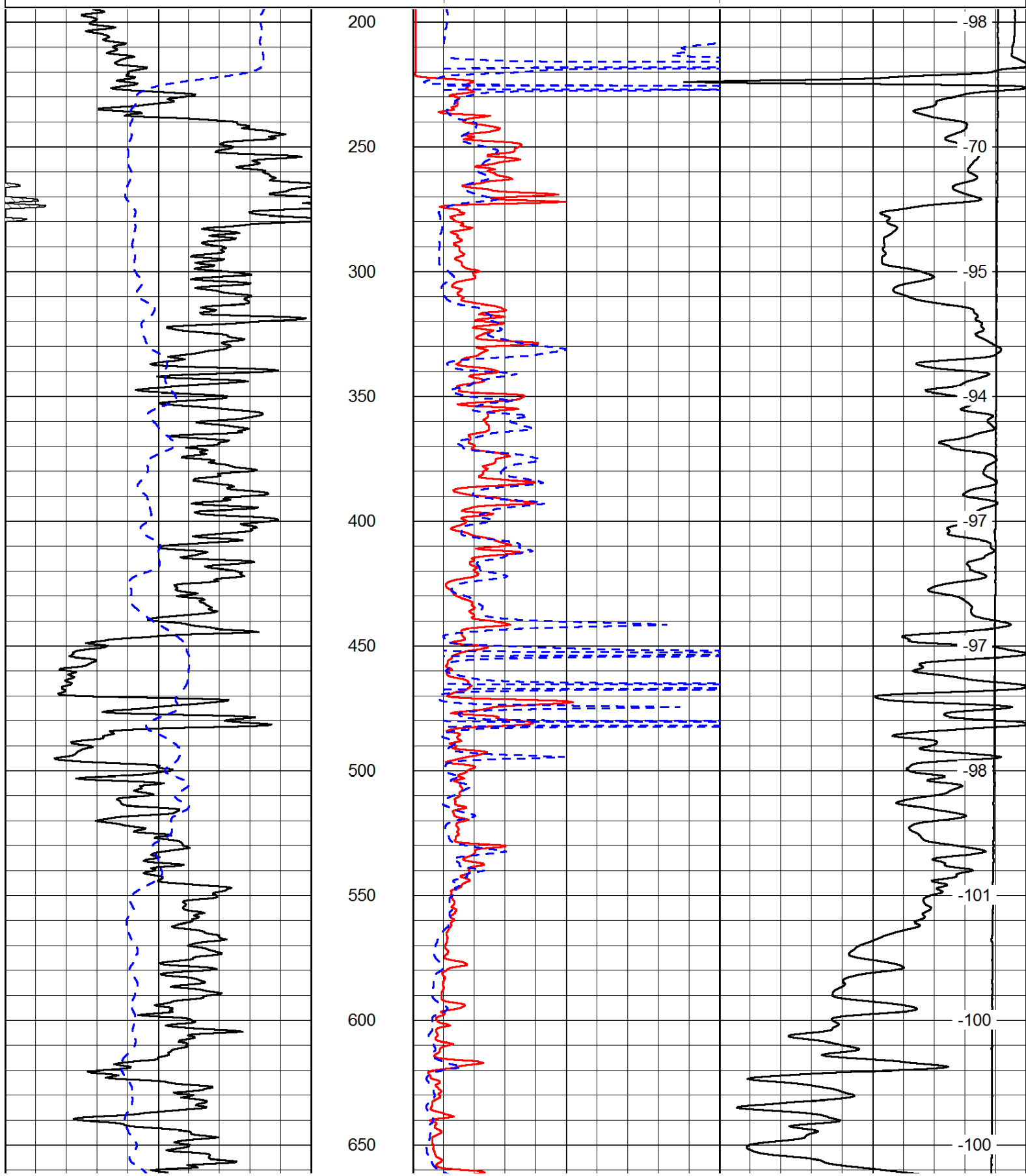
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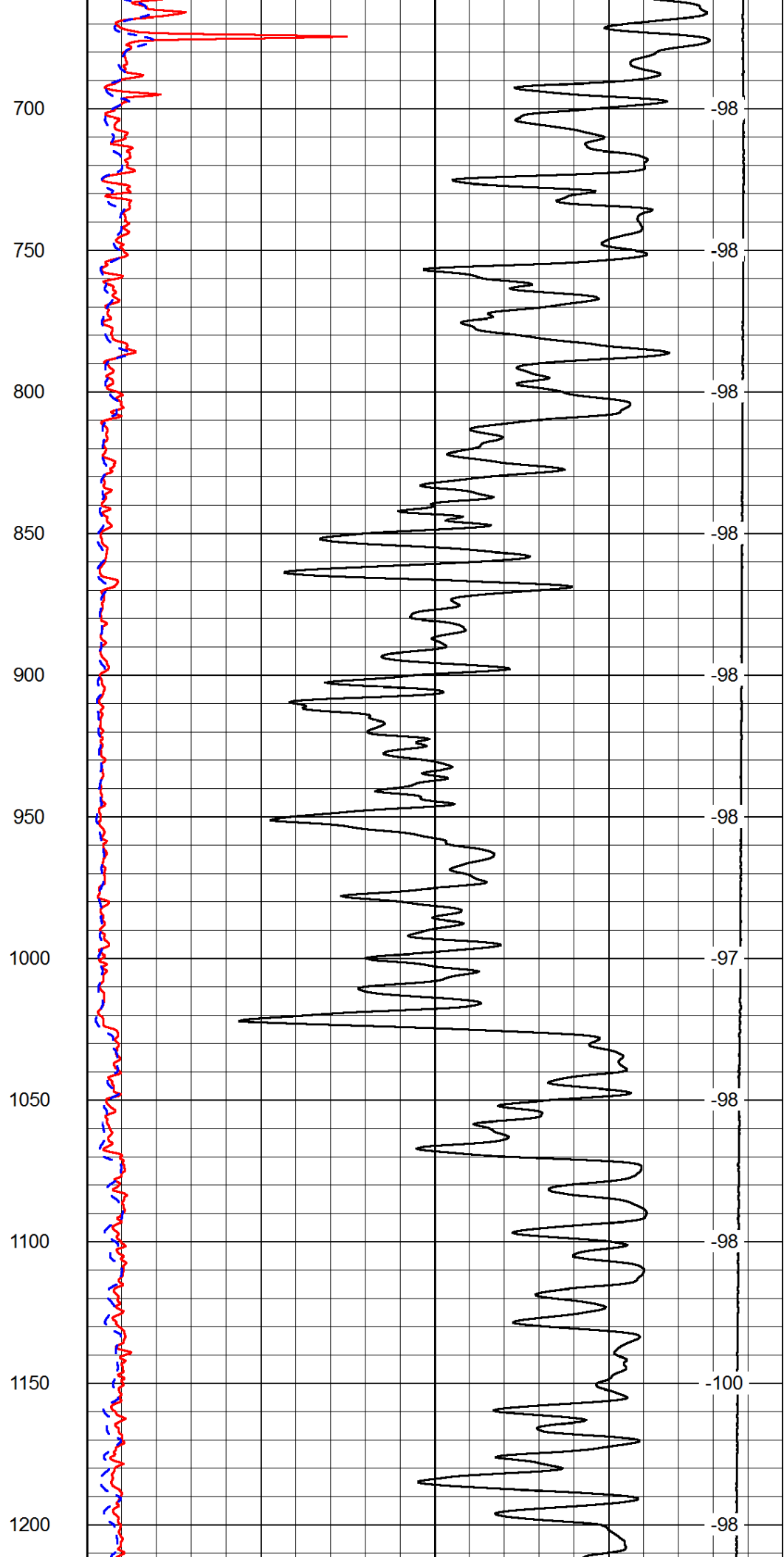
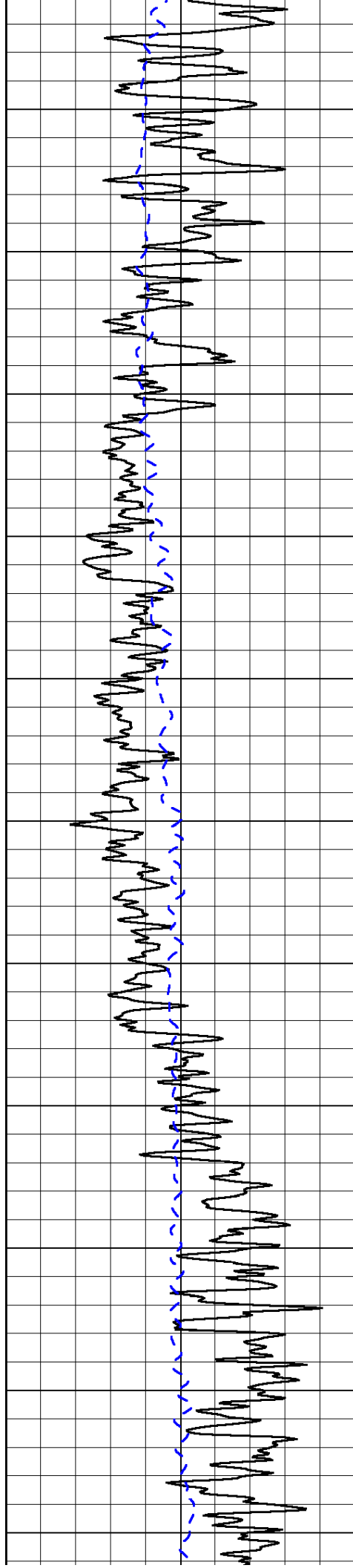
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

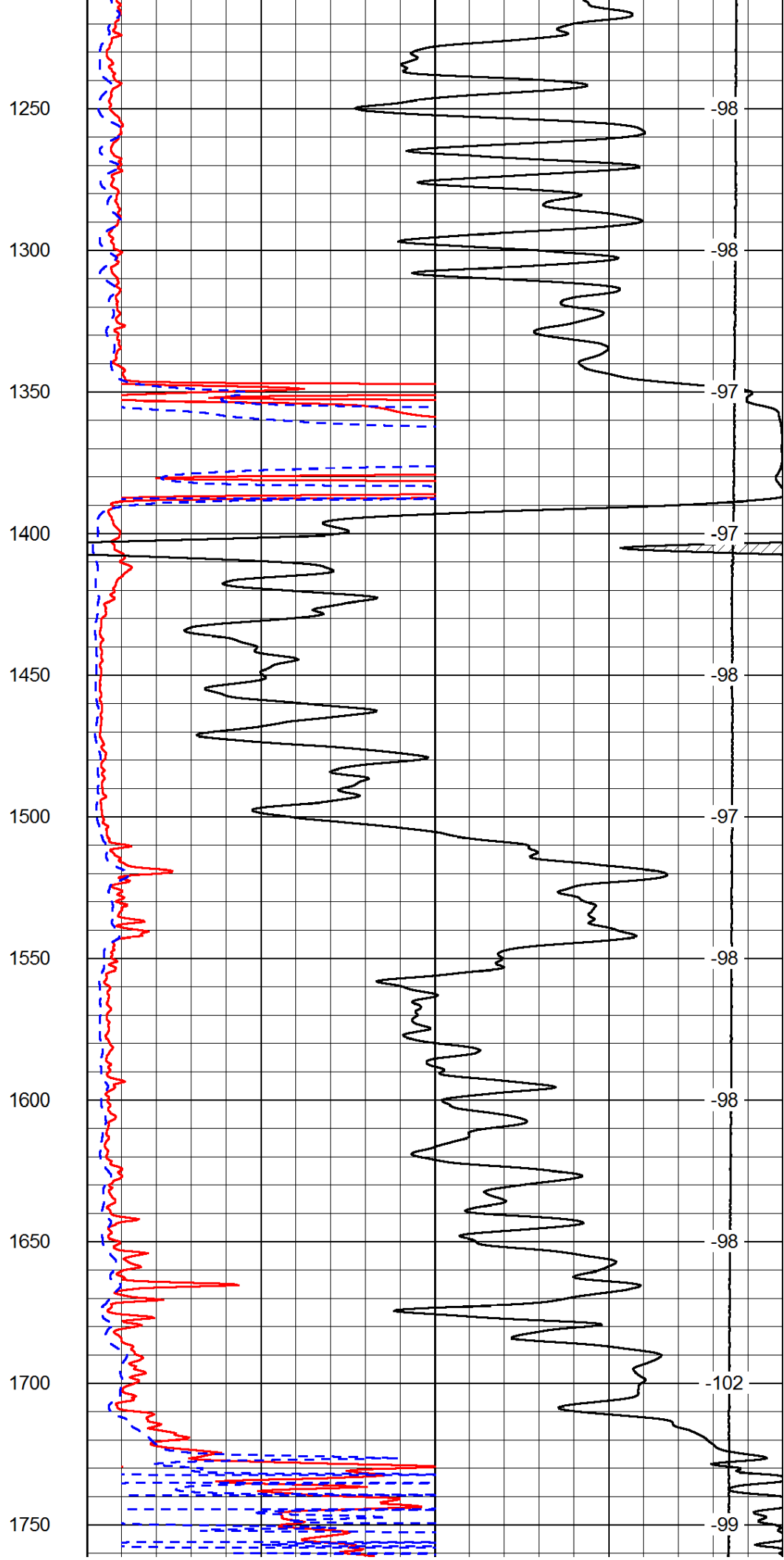
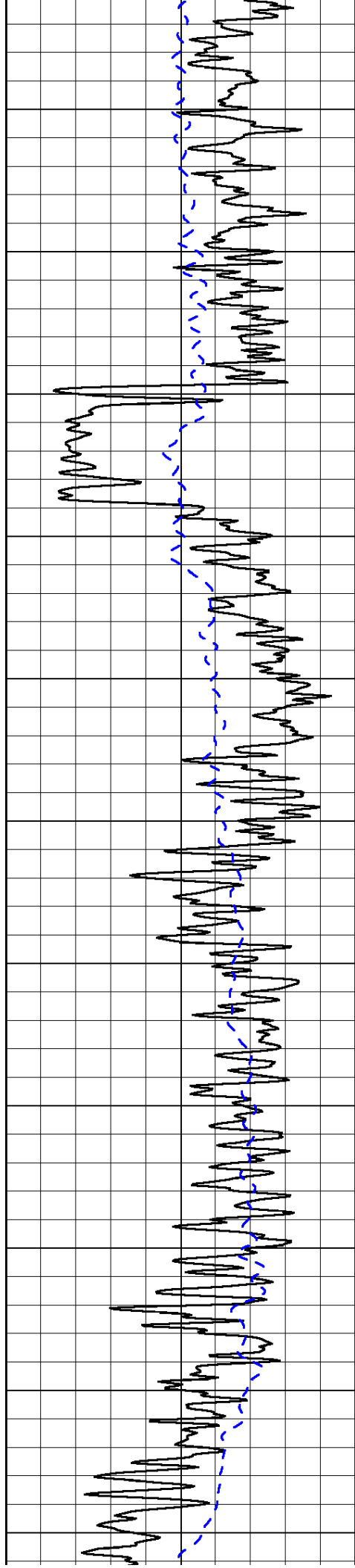
Comments

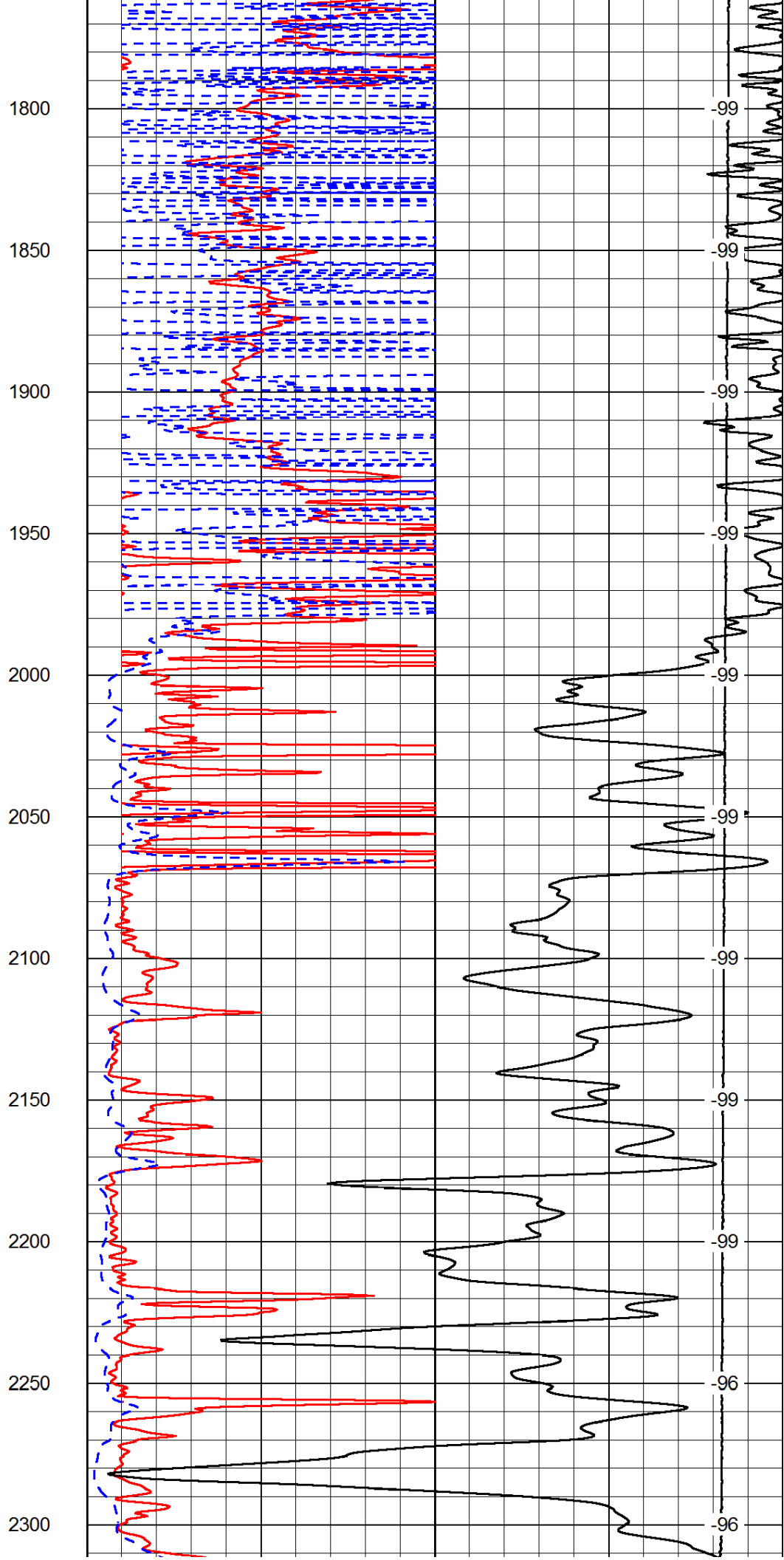
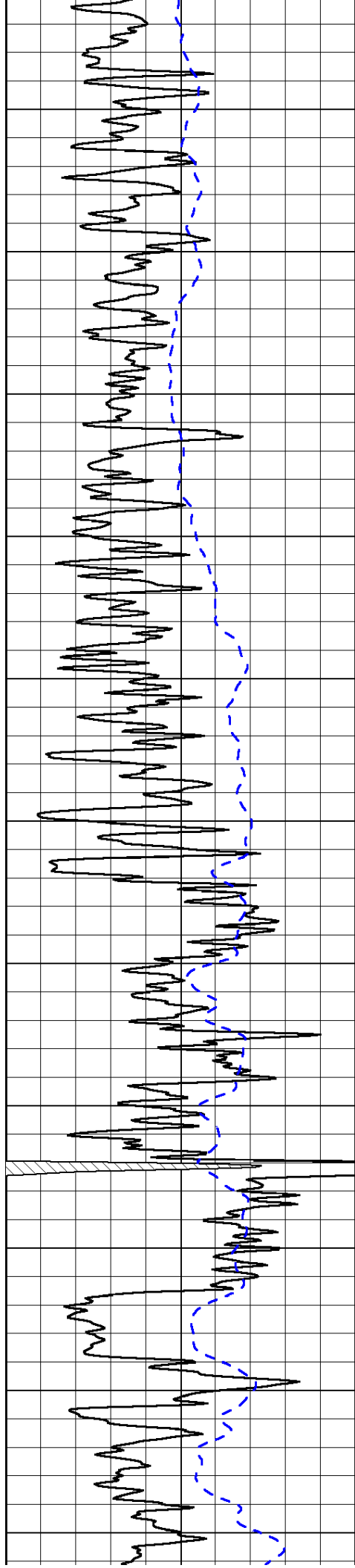
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

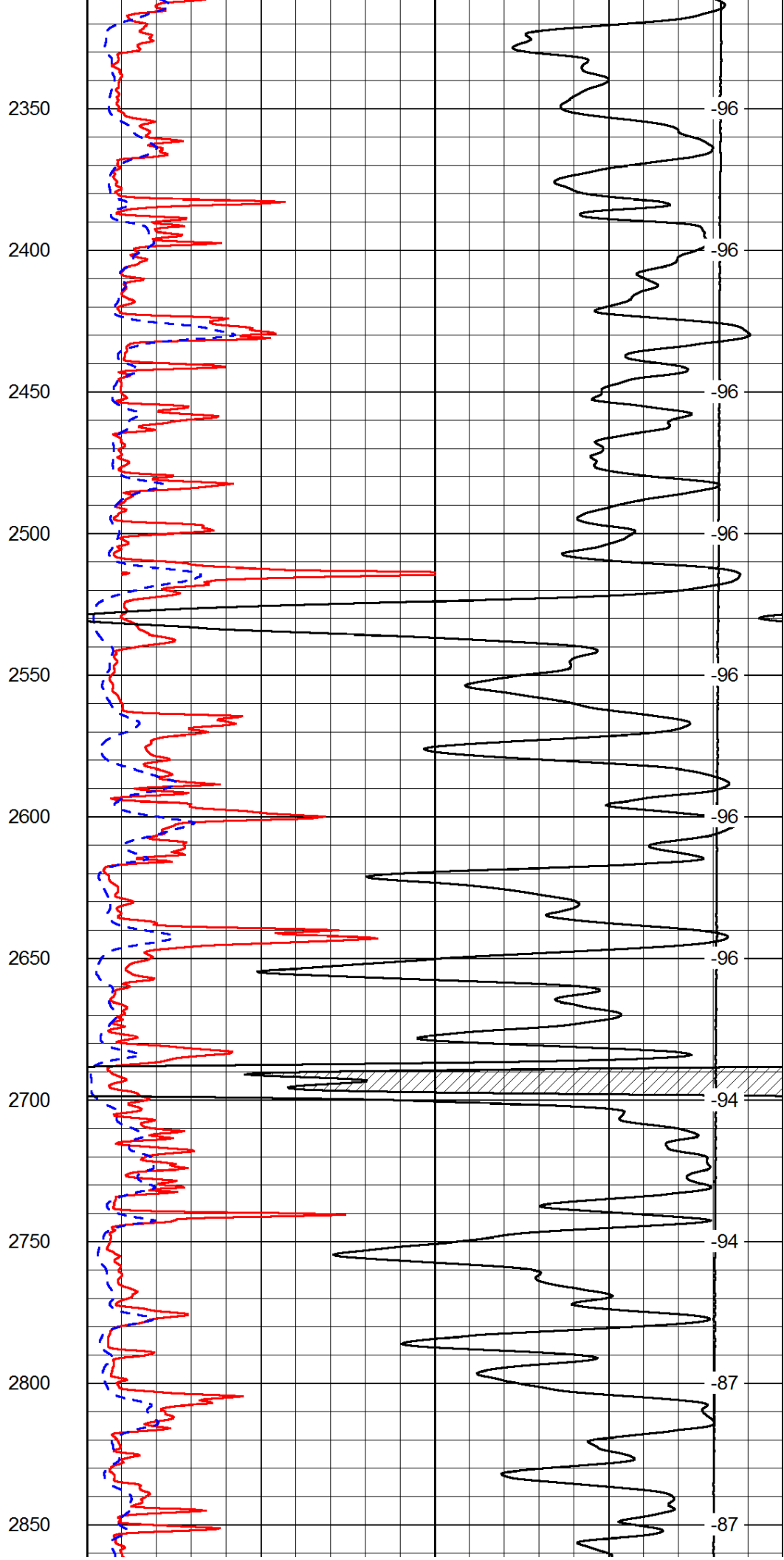
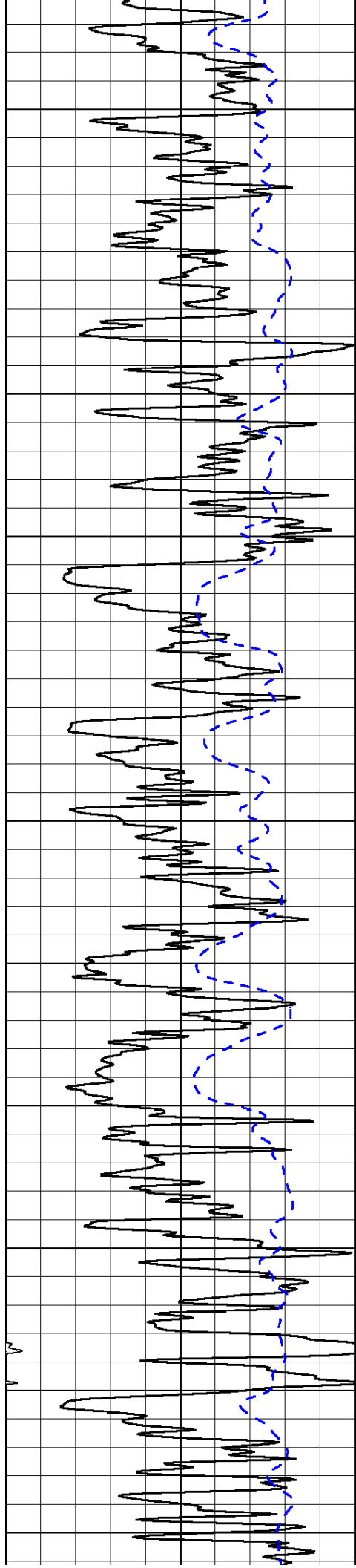
Antonino KS, 5 West to 160 RD,
1/2 North, West Into

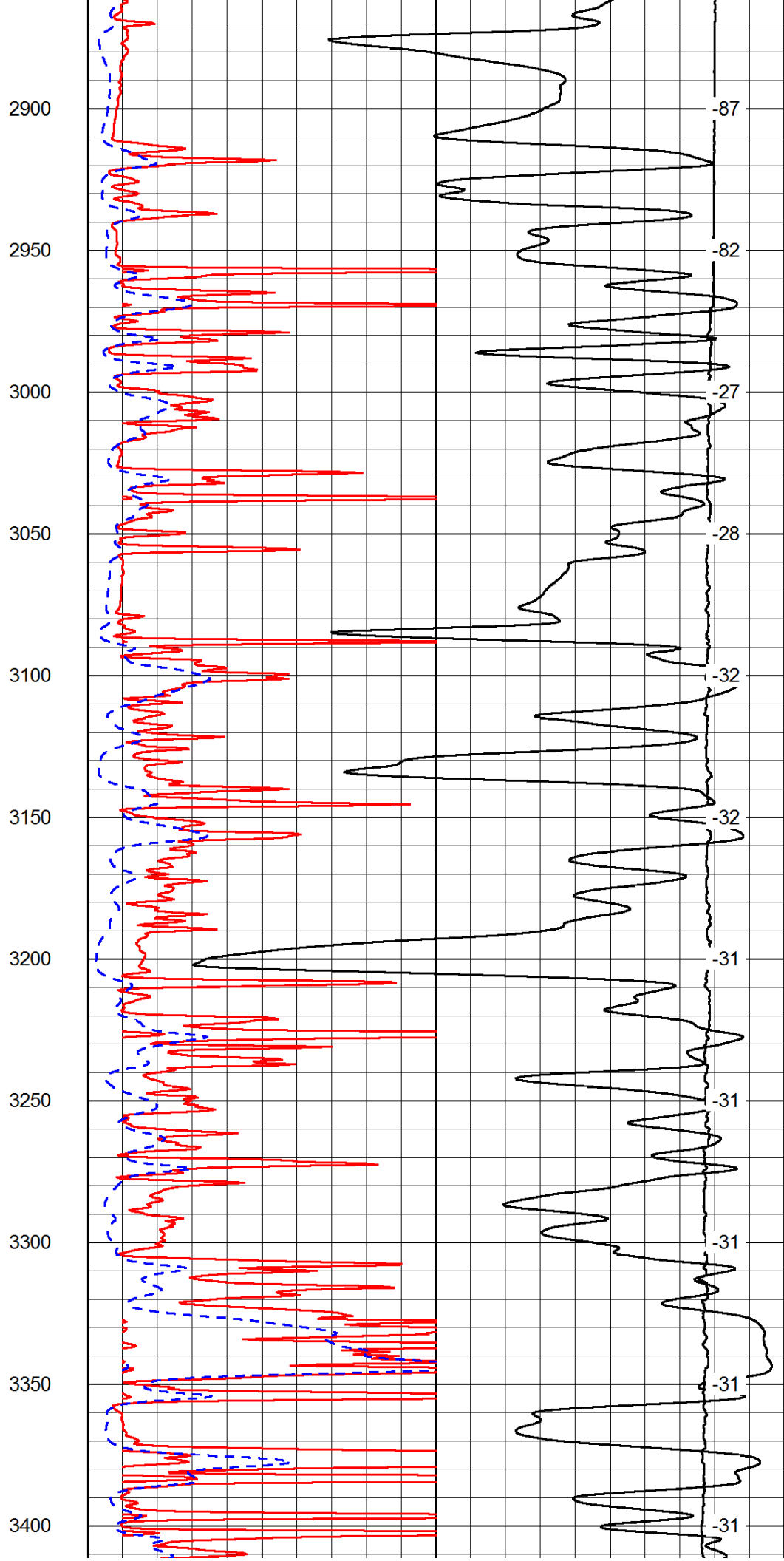
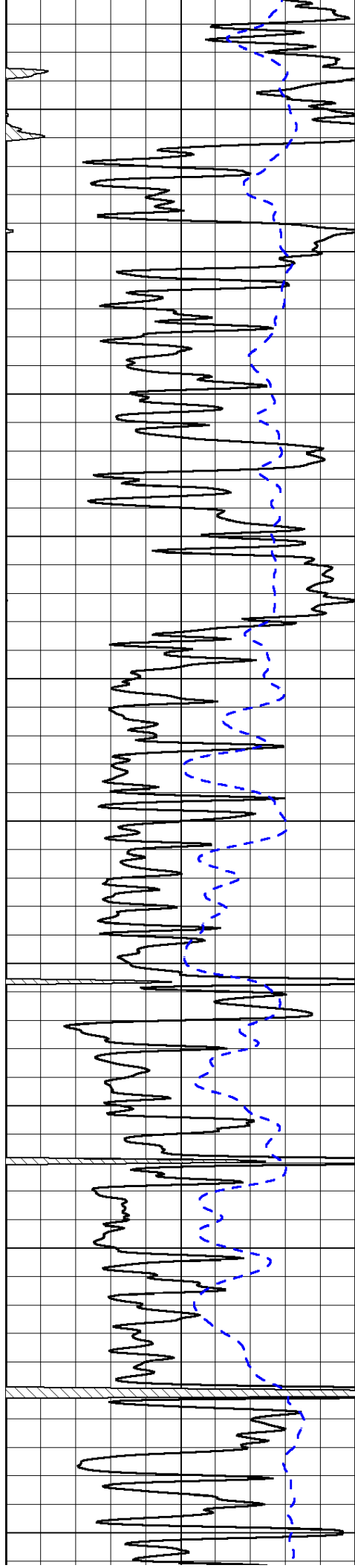


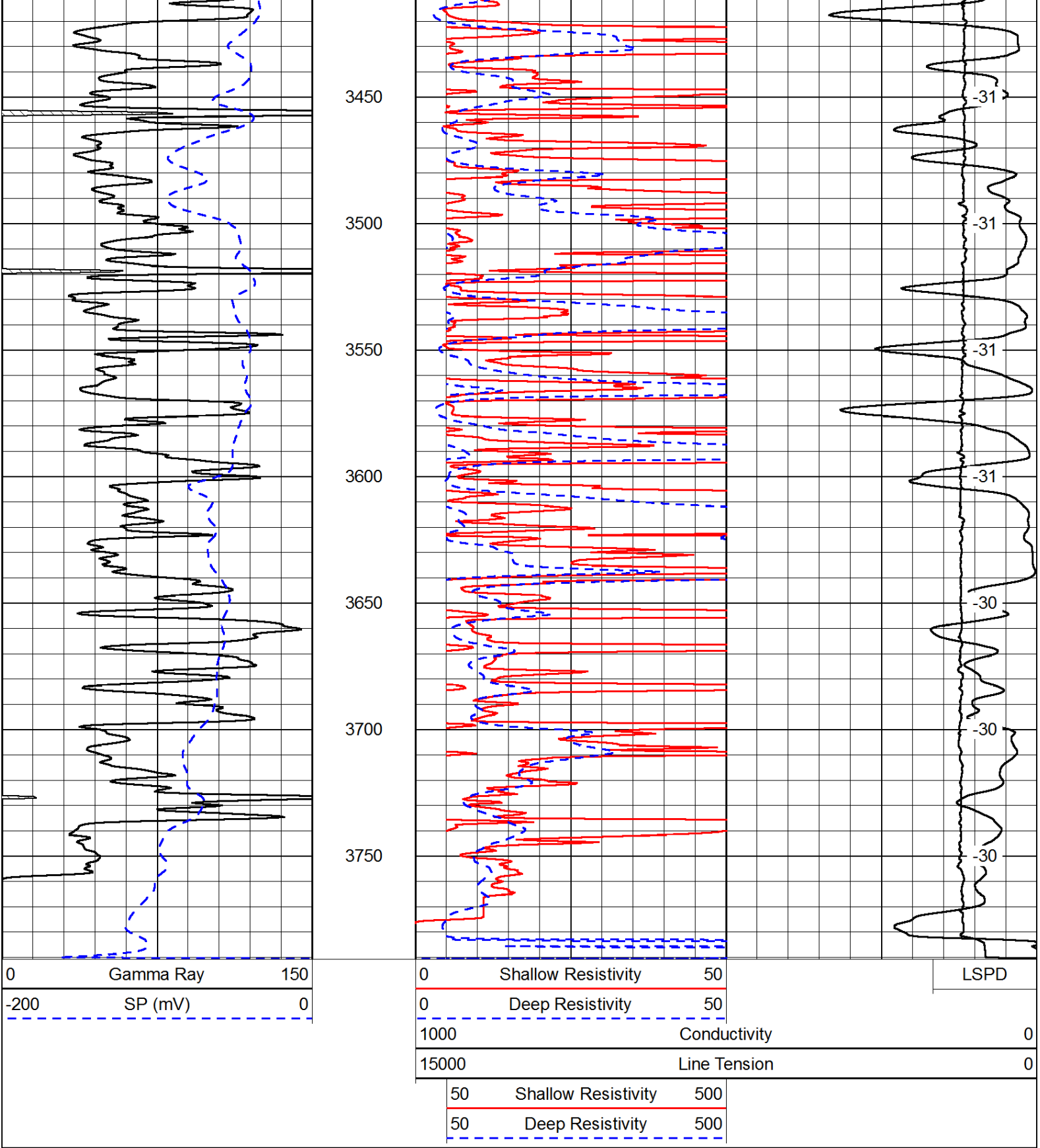






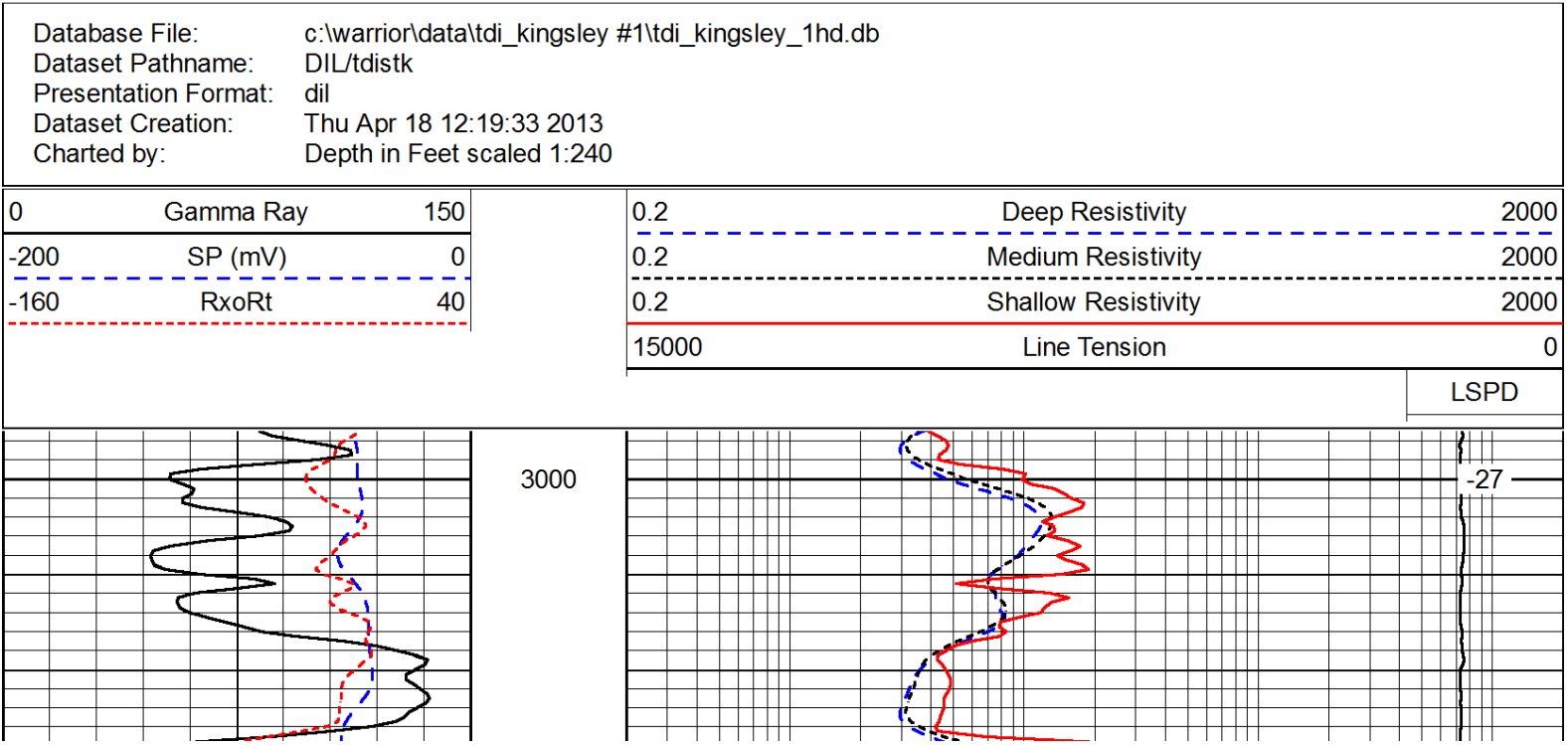
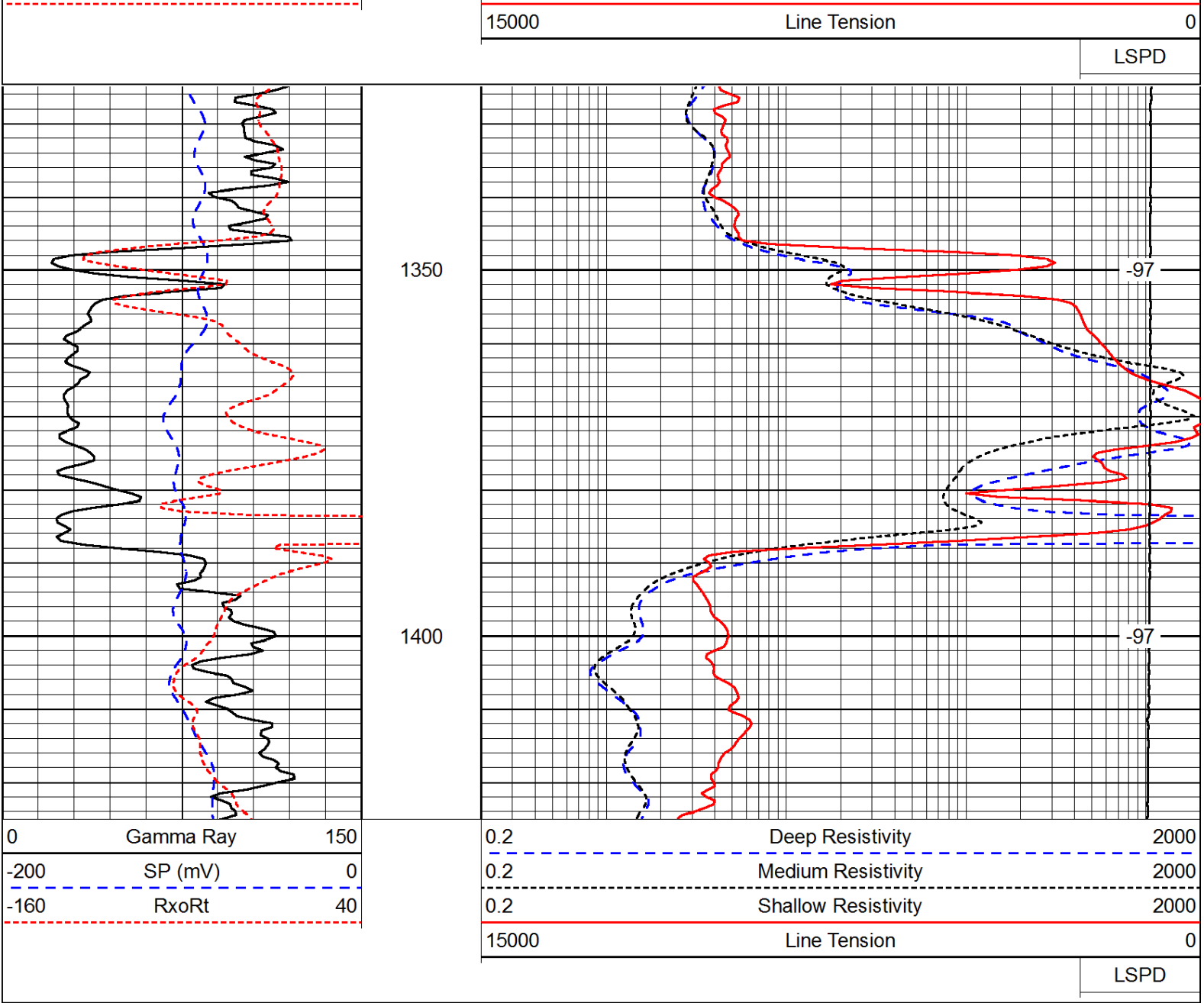


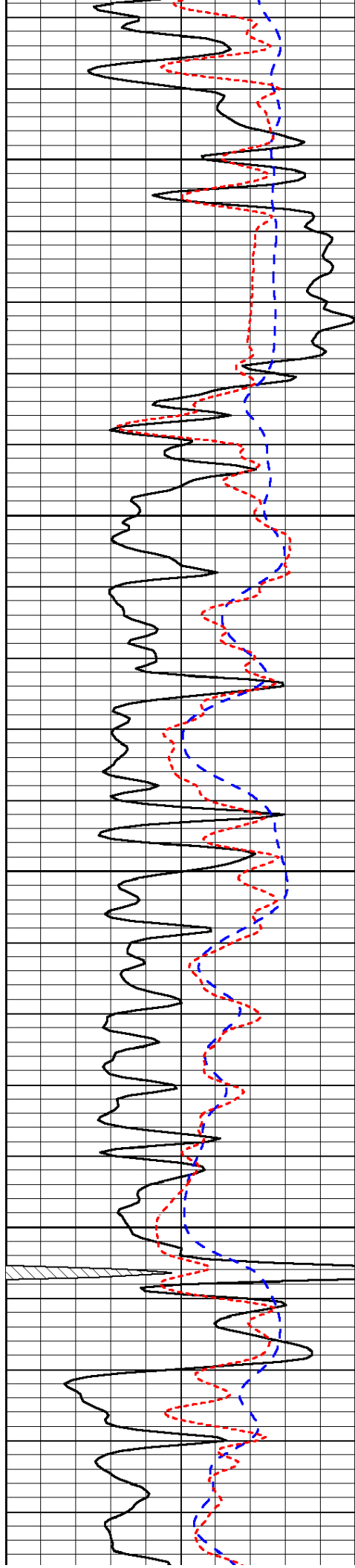




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Dataset Pathname: DIL\tdistk
Presentation Format: dil
Dataset Creation: Thu Apr 18 12:19:33 2013
Charted by: Depth in Feet scaled 1:240

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



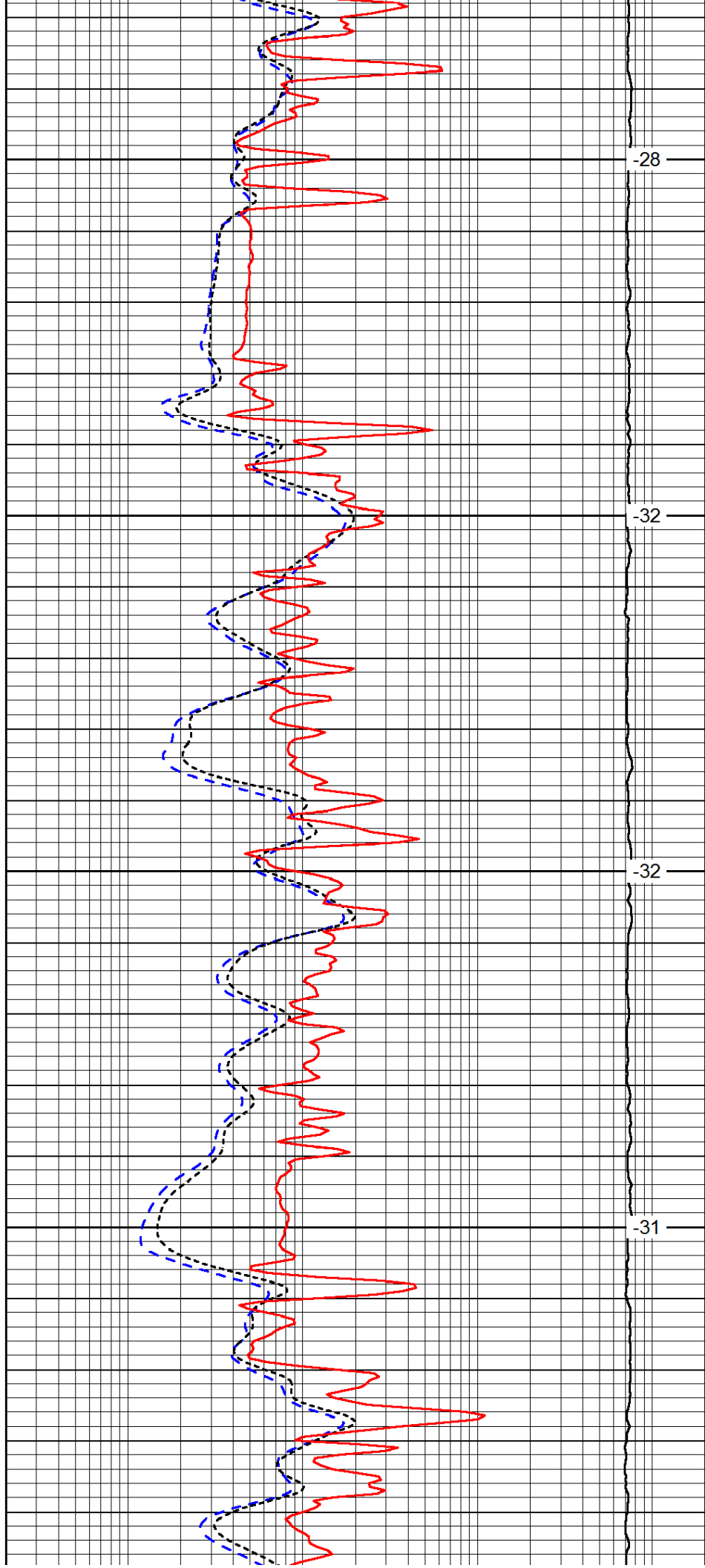


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3100

3150

3200

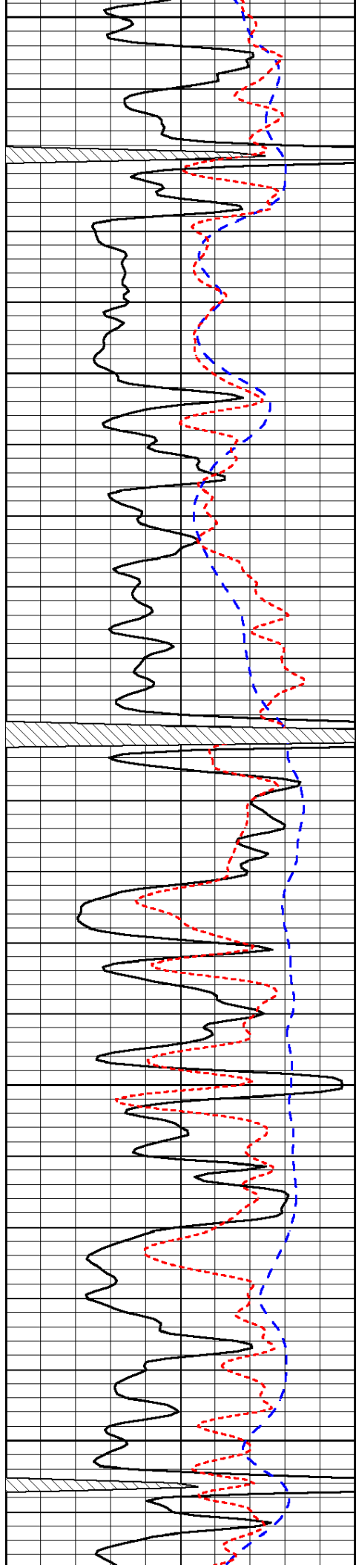


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-32

-32

-31



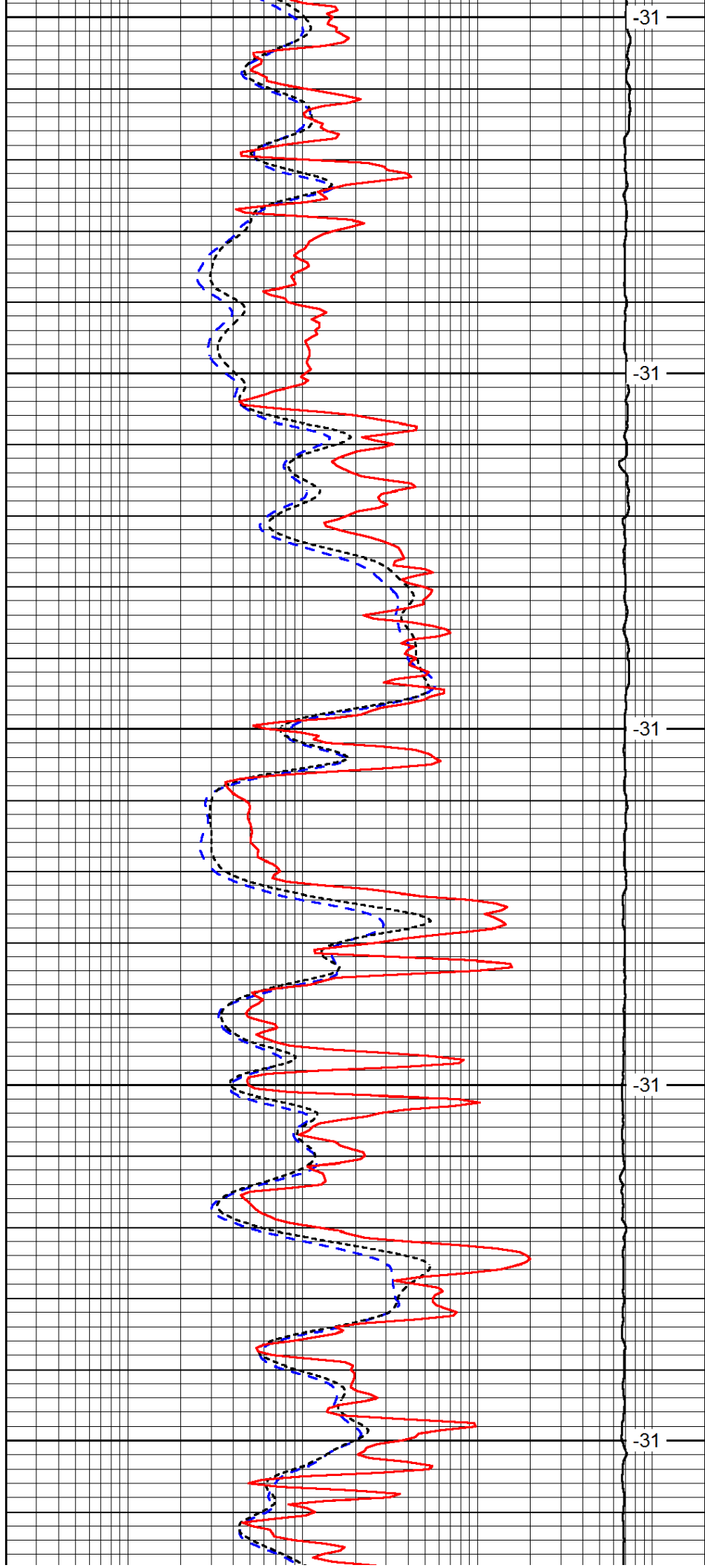
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3300

3350

3400

3450



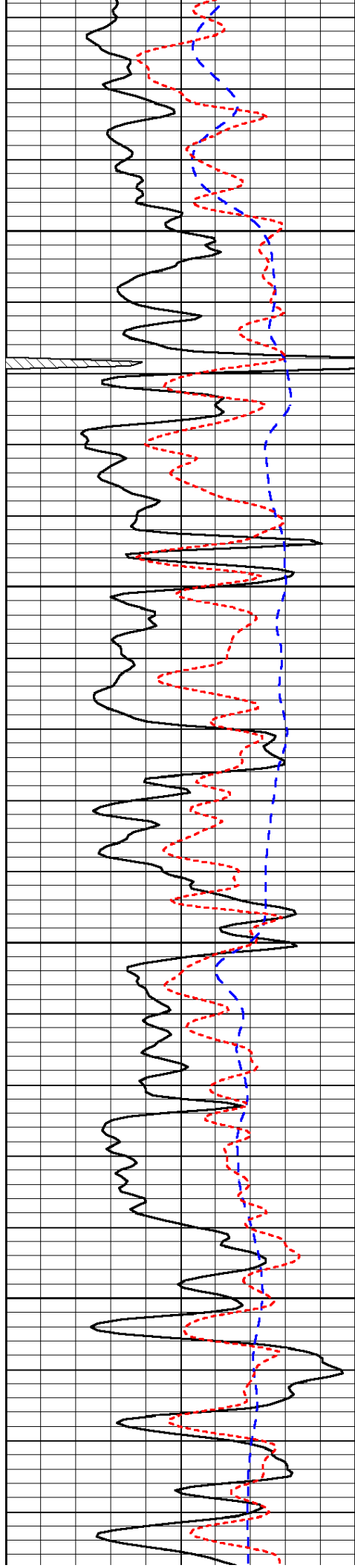
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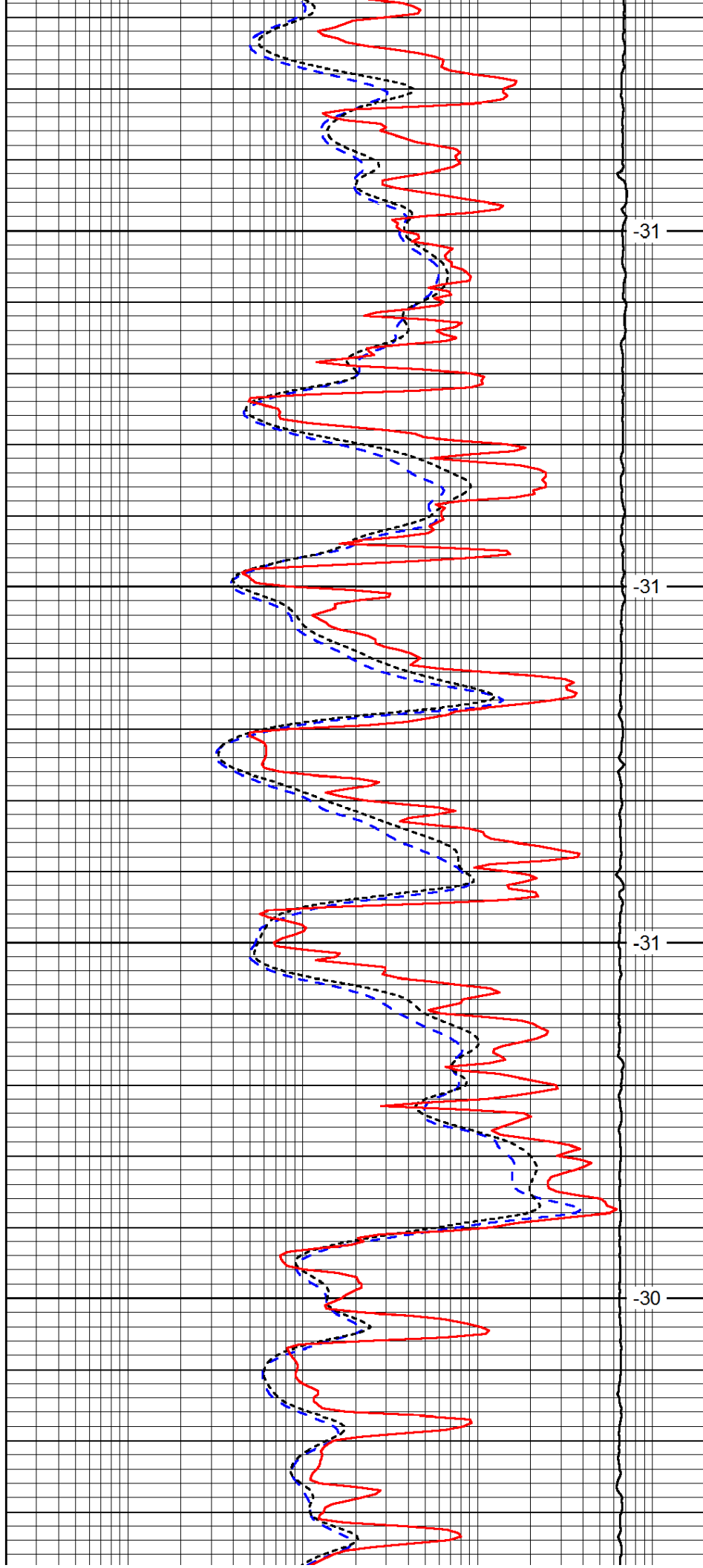


3500

3550

3600

3650

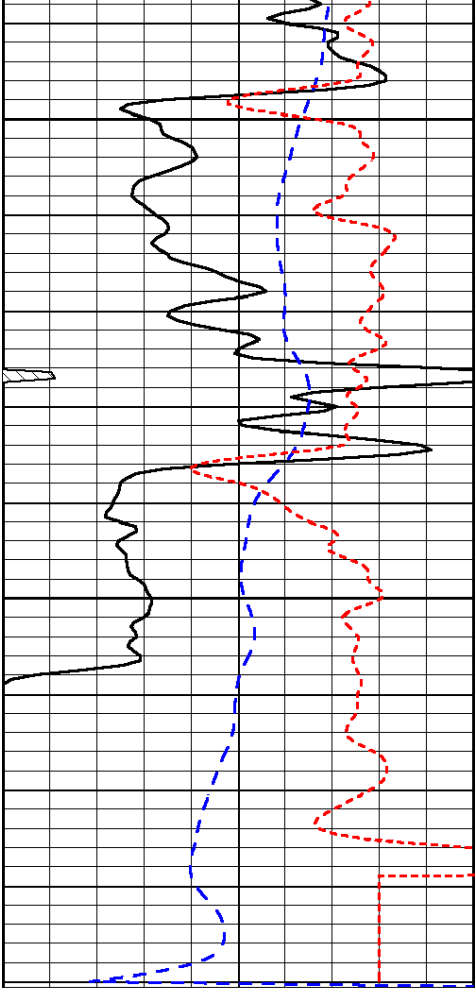


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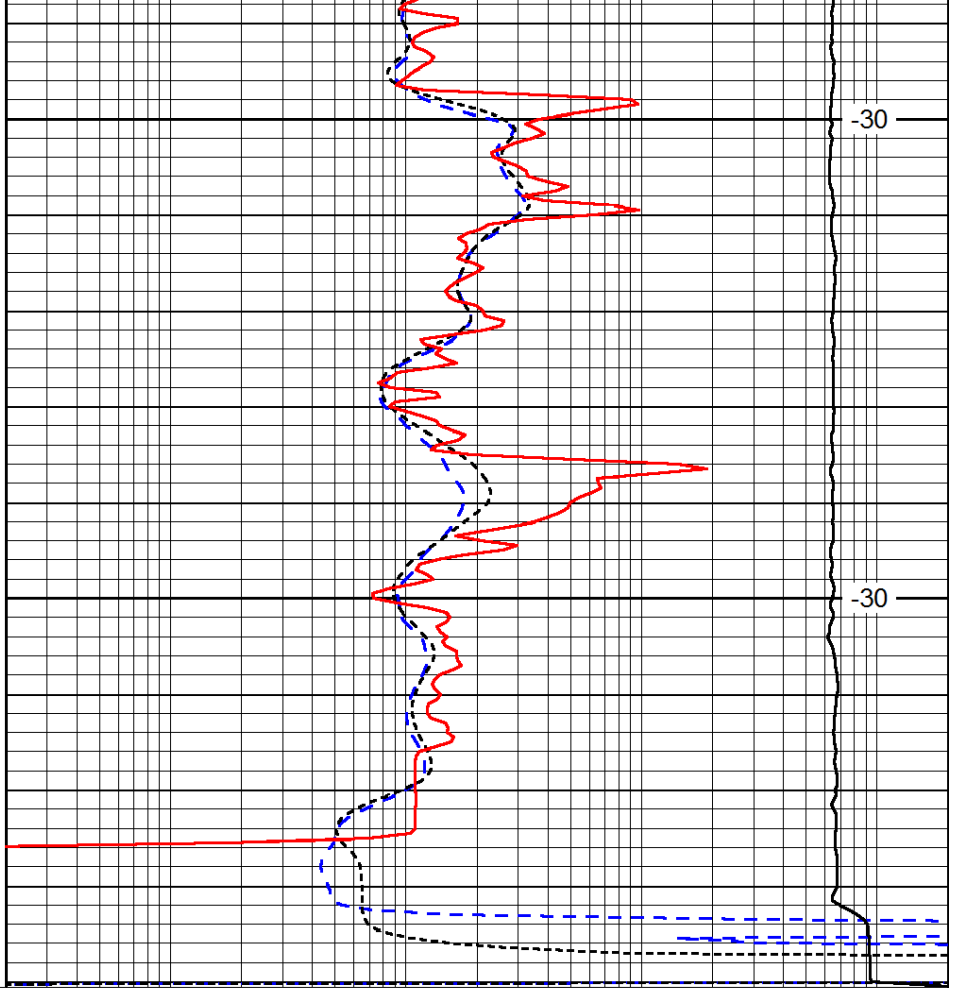
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-30



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