



Pioneer Energy Services

Dual Induction Log

API No.	Company Wildcat Oil & Gas, LLC		
	Well Liebl #7		
	Field Landis		
	County Barber	State	Kansas
15-007-23982-00-00	Location 1040' FNL / 660' FEL	Other Services CNL / CDL	
	Sec: 27	Twp: 34S	Rge: 11W
Permanent Datum	Ground Level	Elevation 1311	Elevation K.B. 1321 D.F. G.L. 1311
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	From Kelly Bushing		
Date	1/26/2013		
Run Number	One		
Depth Driller	4885		
Depth Logger	4885		
Bottom Logged Interval	4884		
Top Log Interval	200		
Casing Driller	8.625 @ 221		
Casing Logger	217		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3000		
Density / Viscosity	9.2 69		
pH / Fluid Loss	11.0 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.40 @ 46		
Rmf @ Meas. Temp	1.05 @ 46		
Rmc @ Meas. Temp	1.89 @ 46		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.77 @ 125		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	125		
Equipment Number	91		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Tim Pierce		

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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

Medicine Lodge, KS:
16S to Rattlesnake Rd., 3E to Red Dust Rd., 1N, 1/4E to CG, 1/2E

Database File: c:\warrior\data\wildcat_liebl #7\wildcat_hd.db
Dataset Pathname: dil\wldm2
Presentation Format: dil2in
Dataset Creation: Mon Jan 28 12:07:21 2013
Charted by: Depth in Feet scaled 1:600

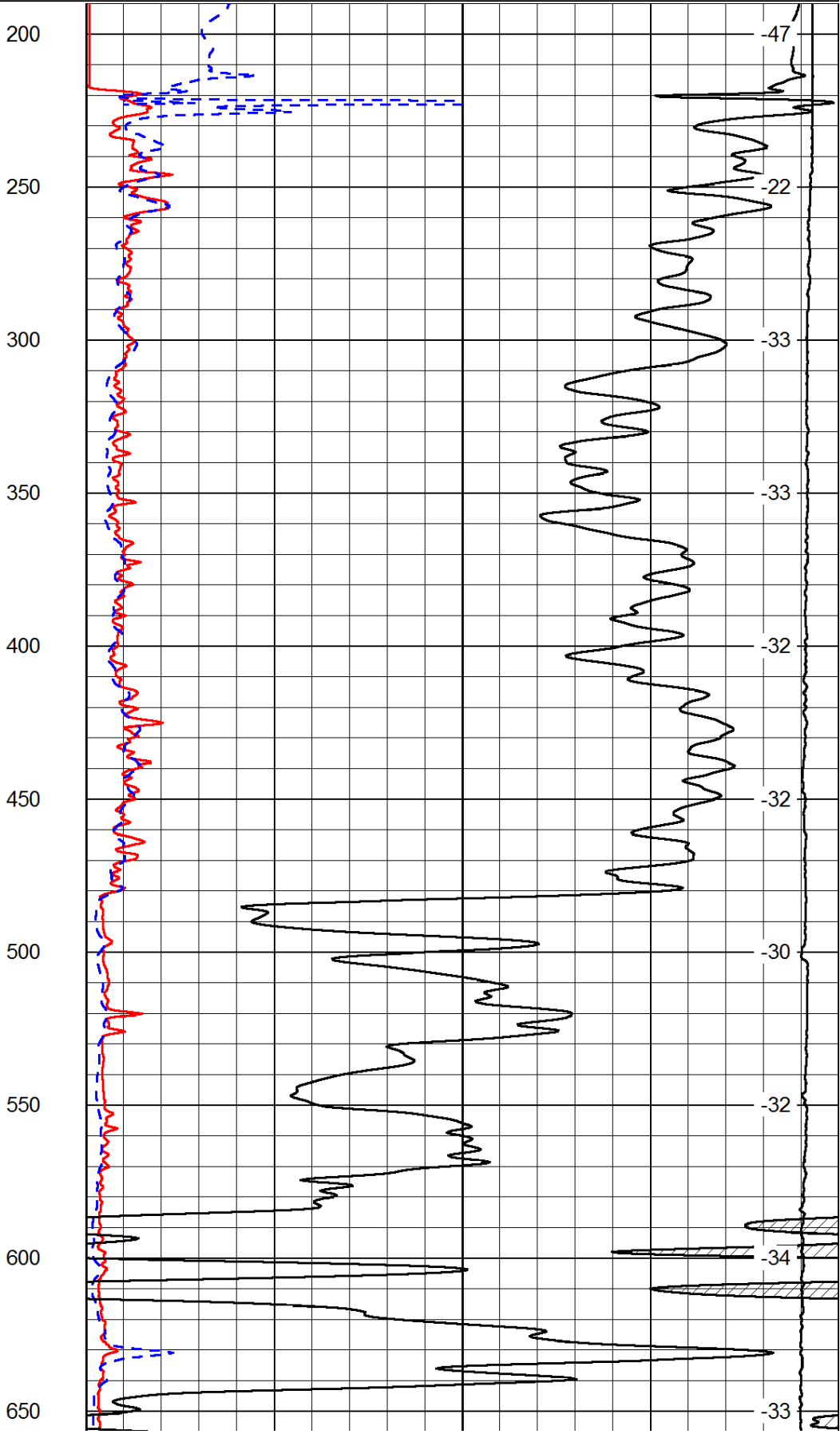
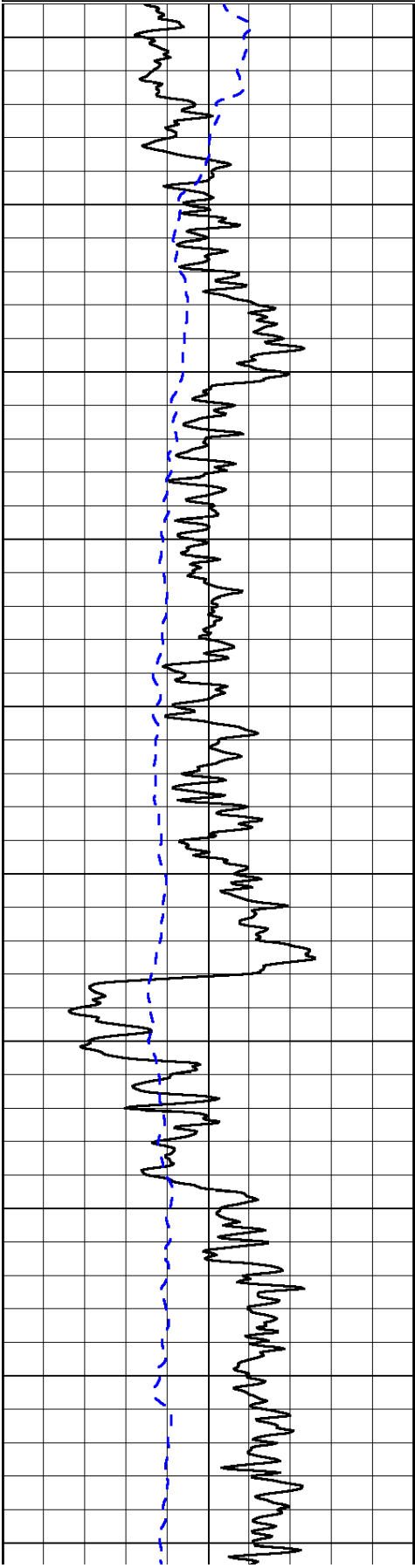
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-200	SP (mV)	0

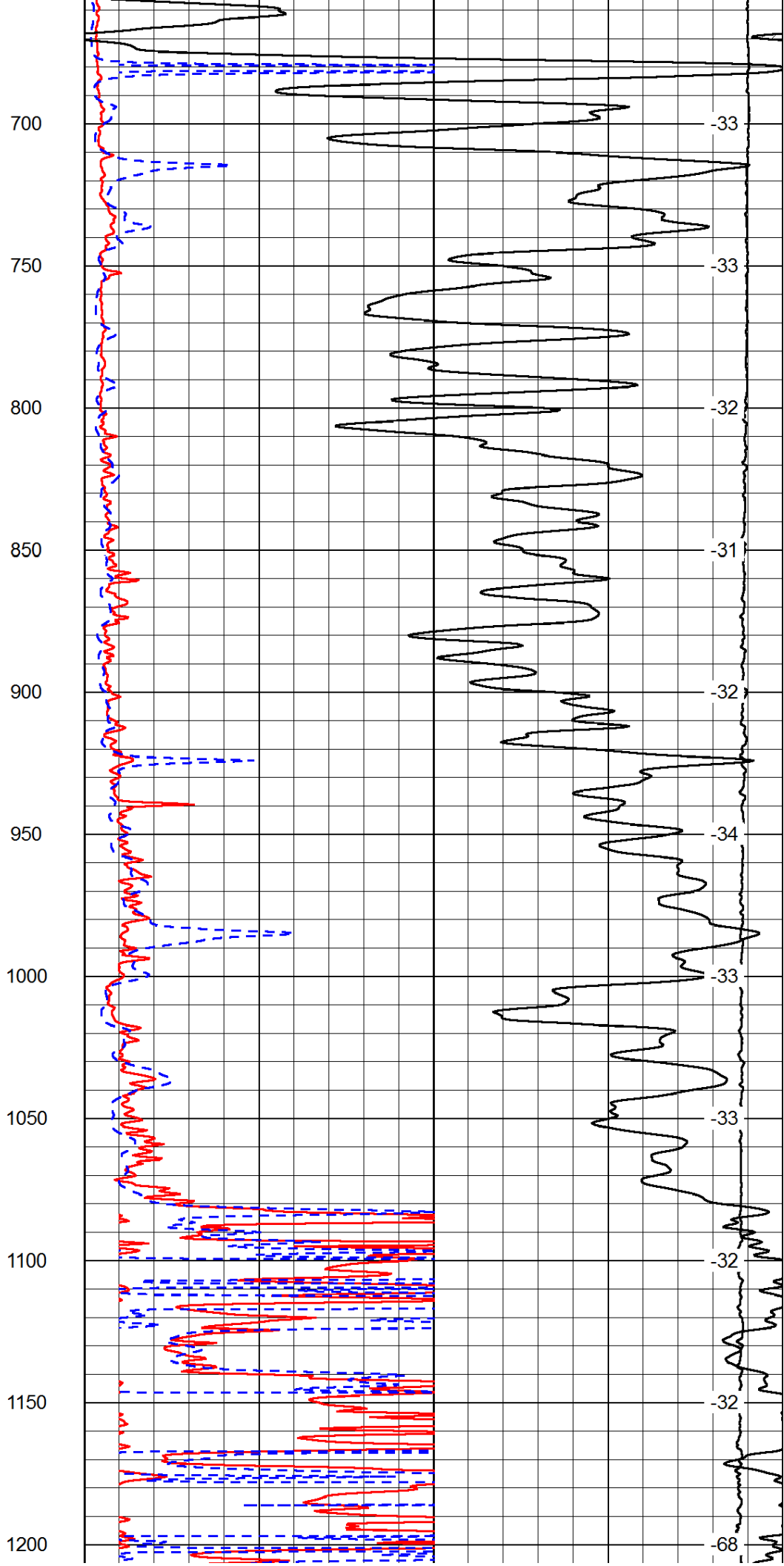
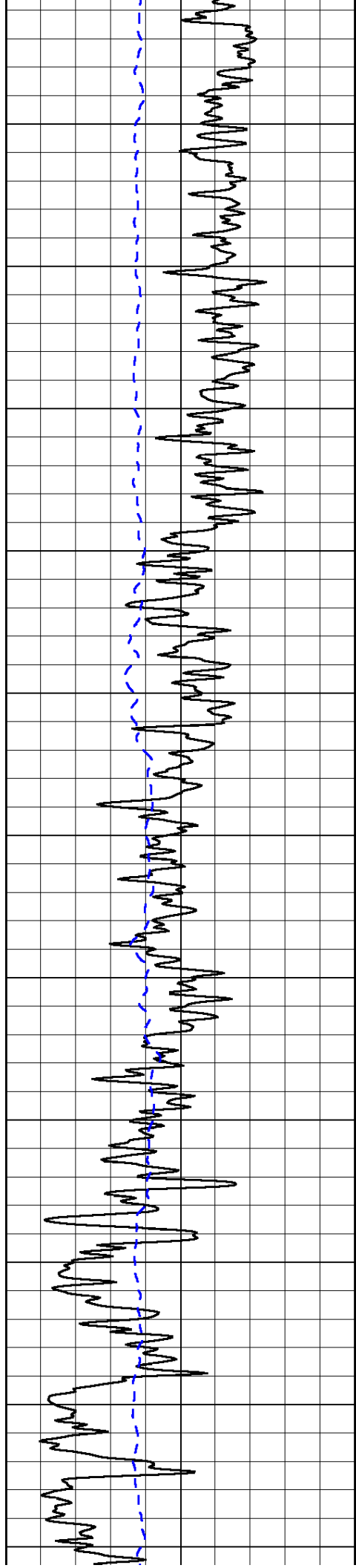
0	Shallow Resistivity	50
0	Deep Resistivity	50

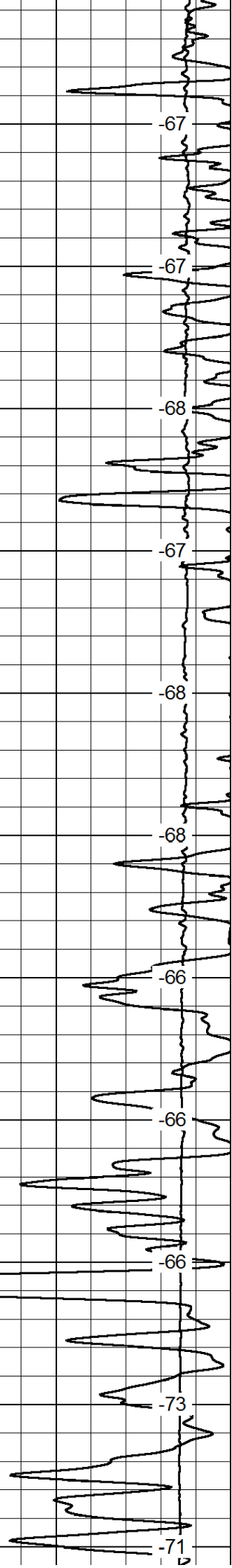
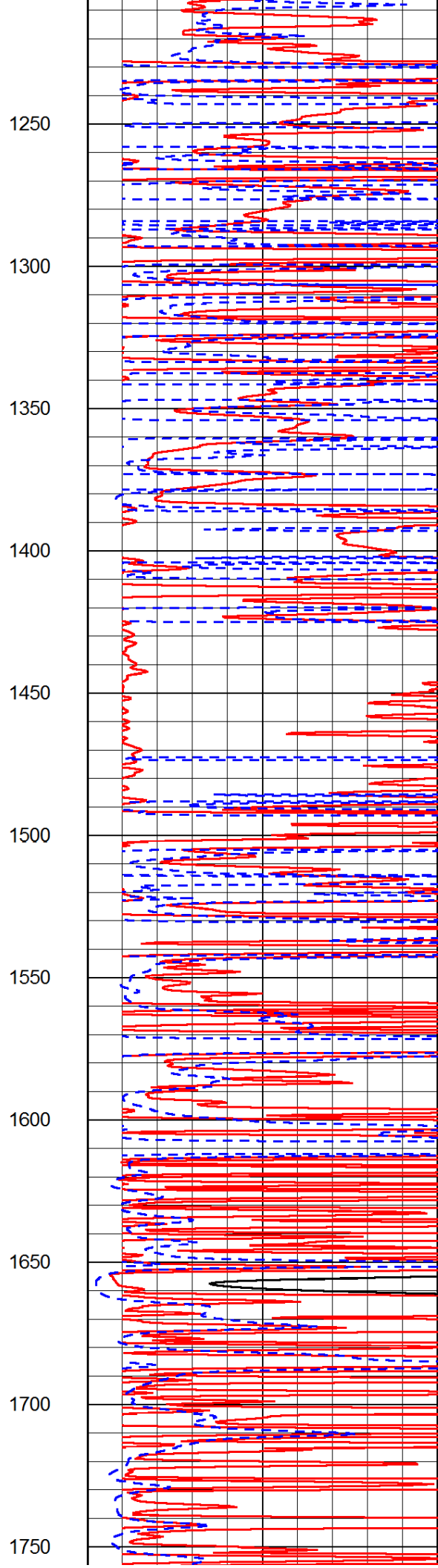
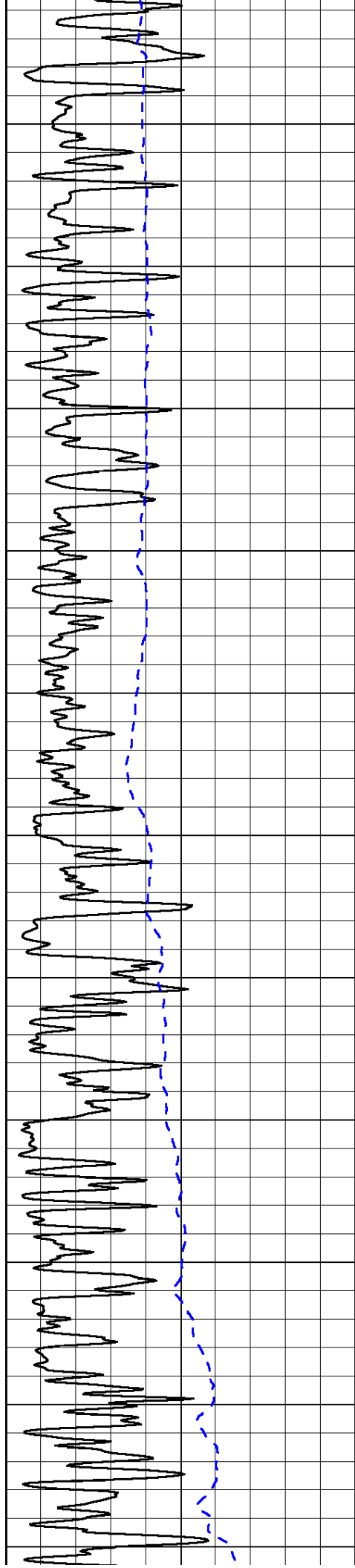
LSPD

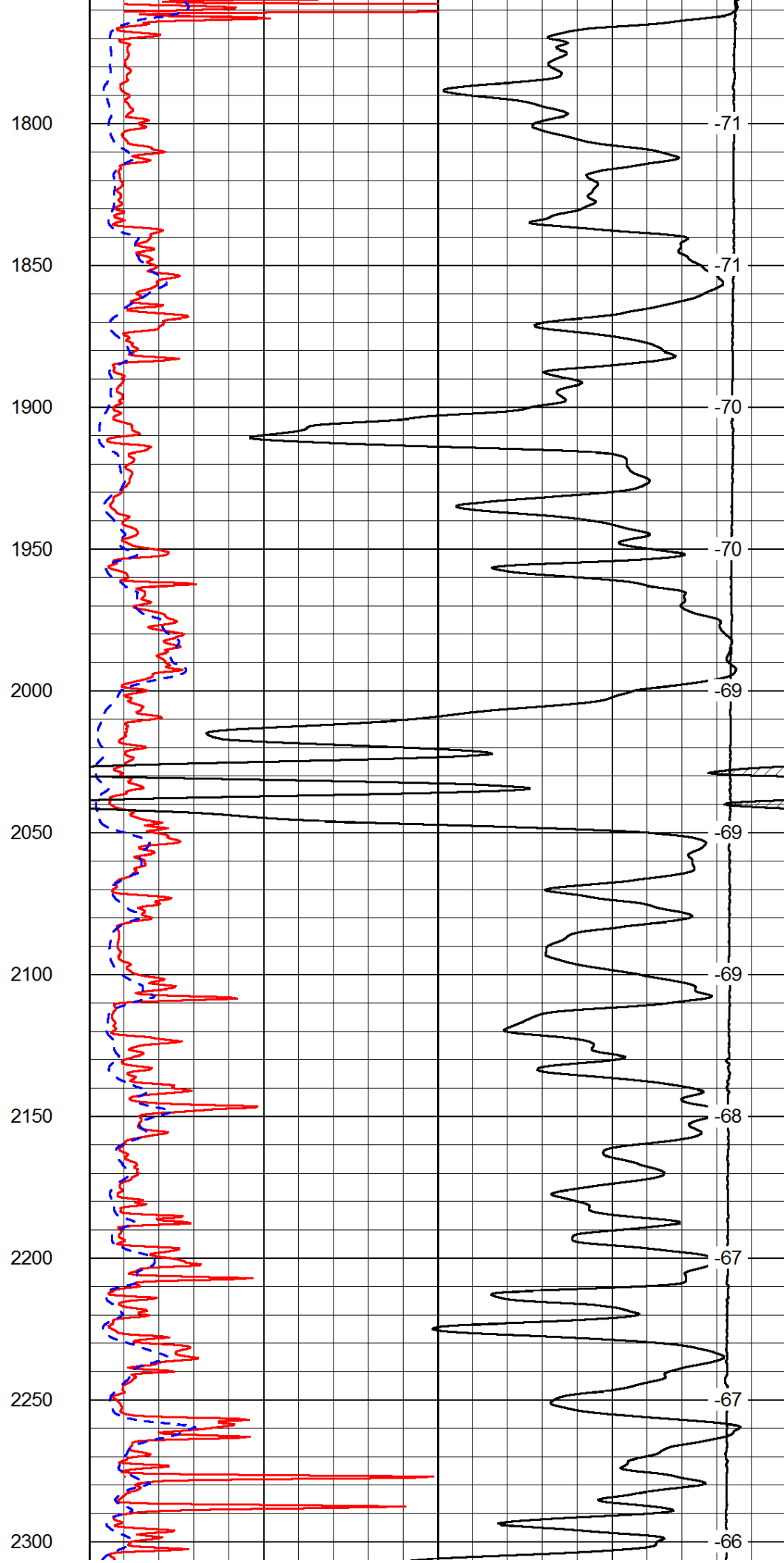
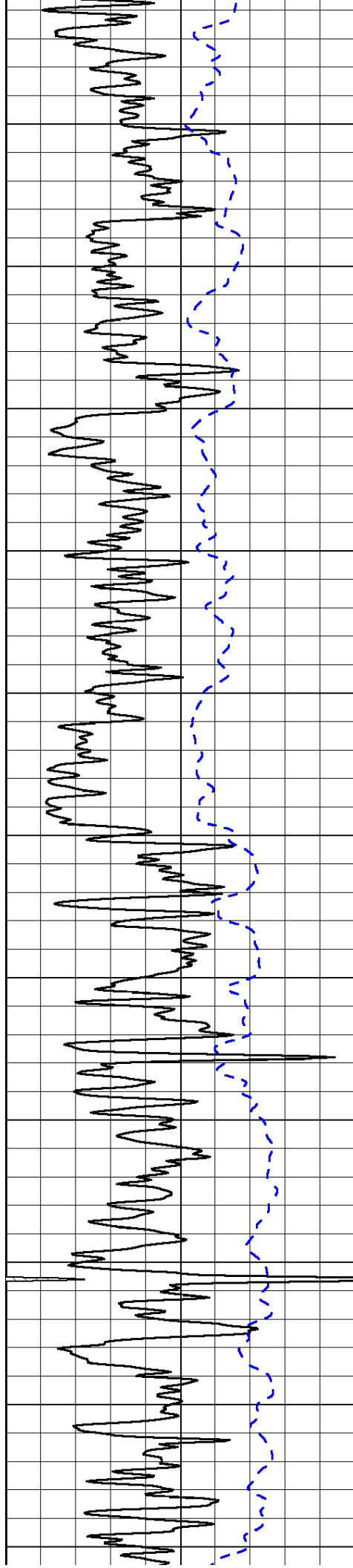
1000	Conductivity	0
15000	Line Tension	0

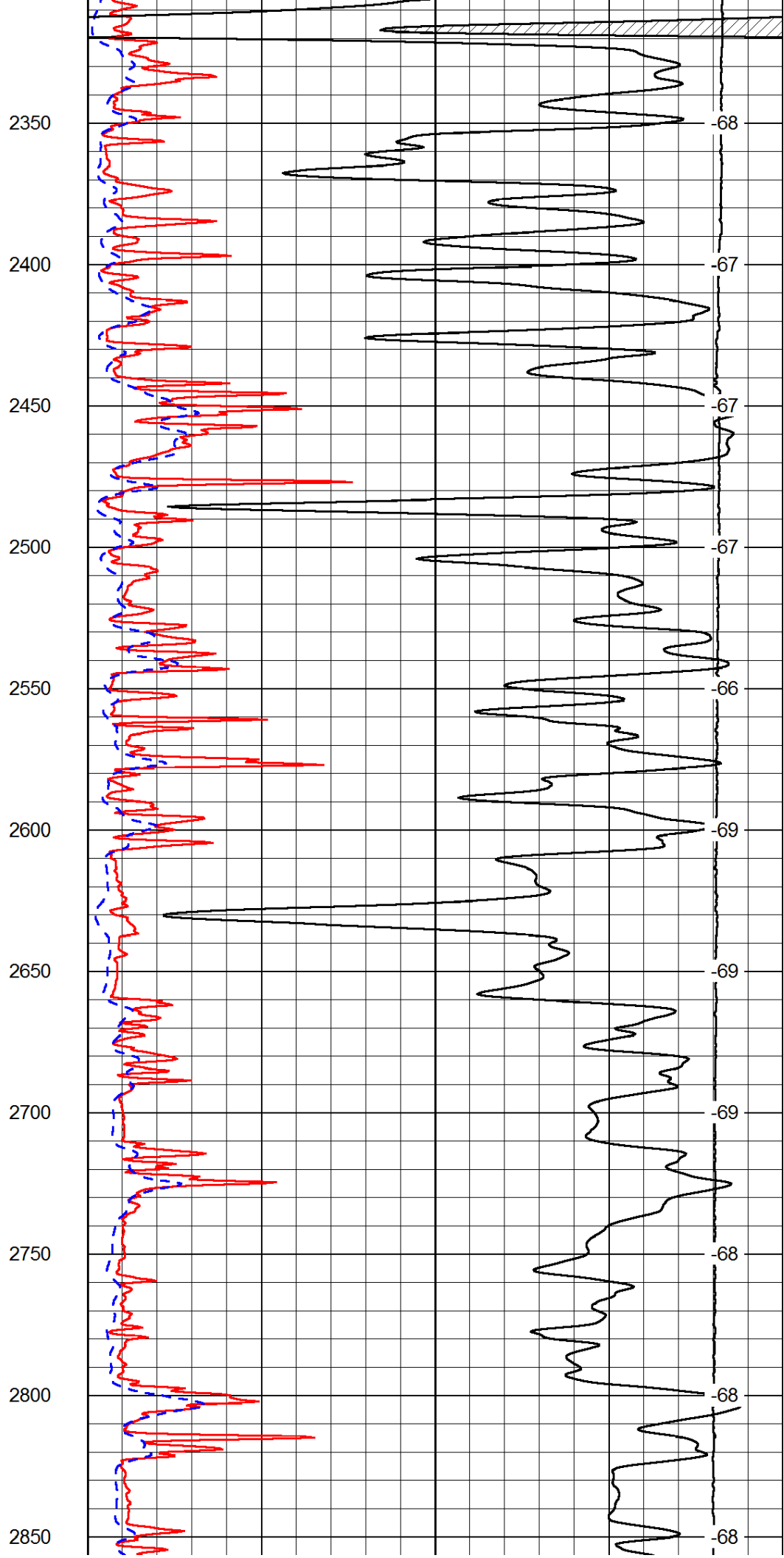
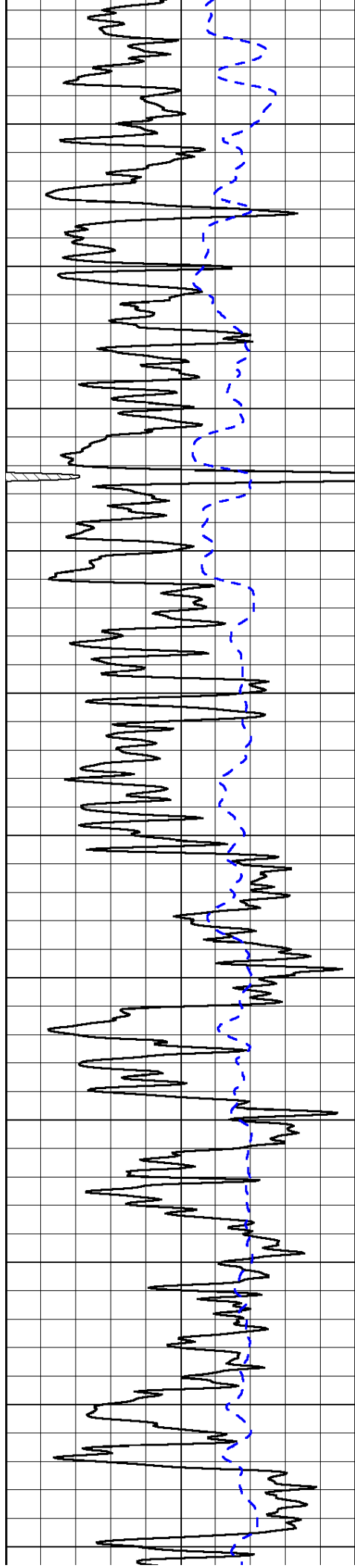
50	Shallow Resistivity	500
50	Deep Resistivity	500

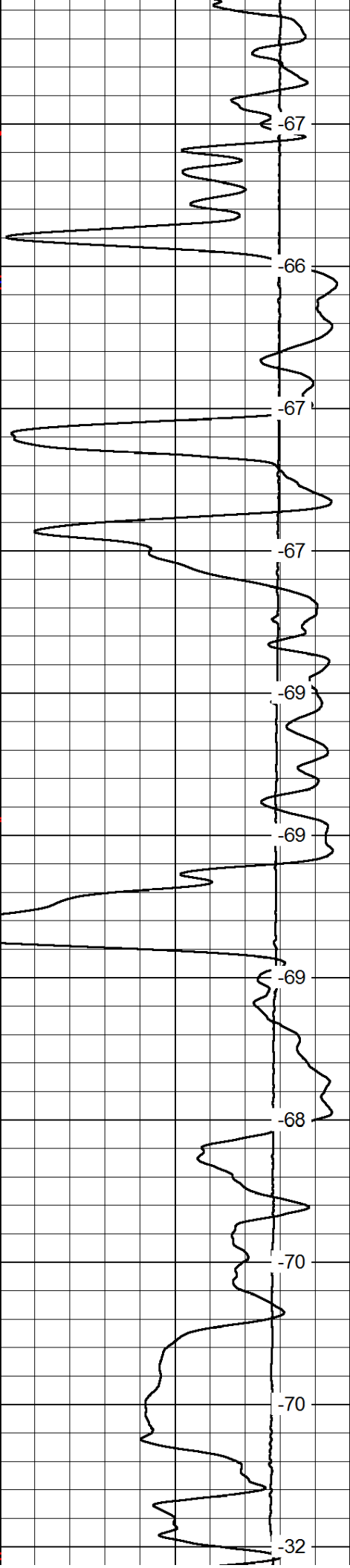
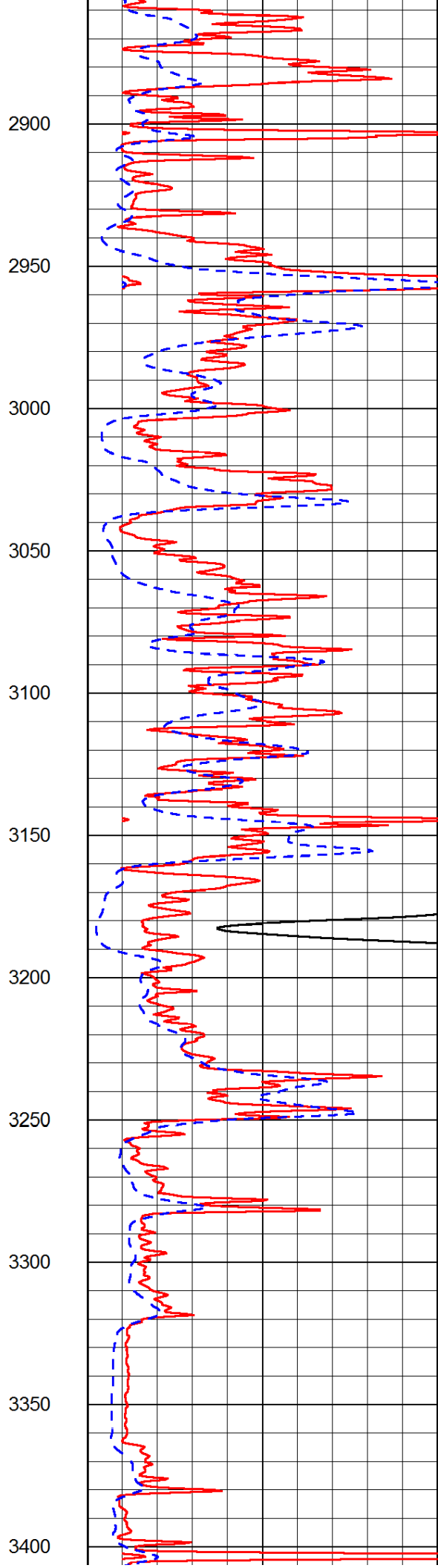
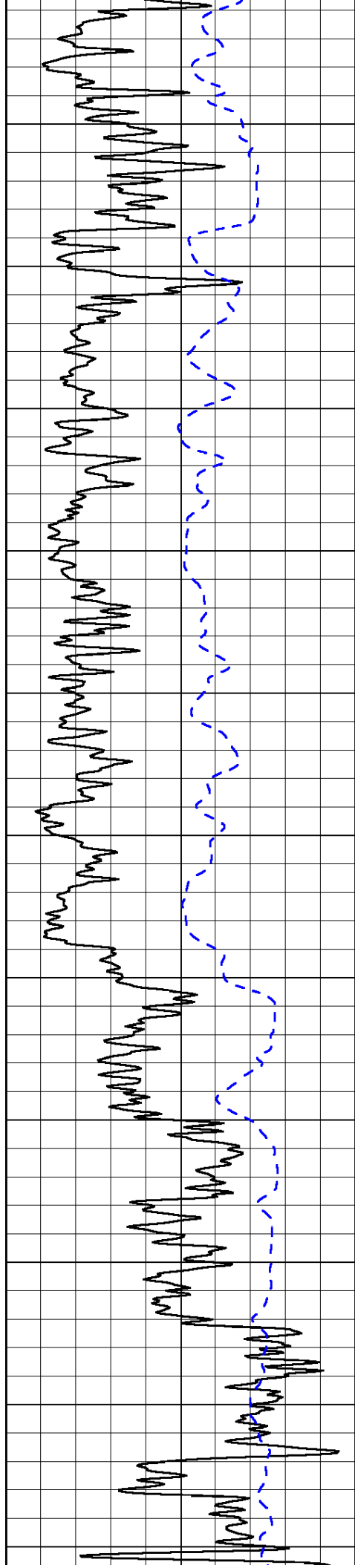


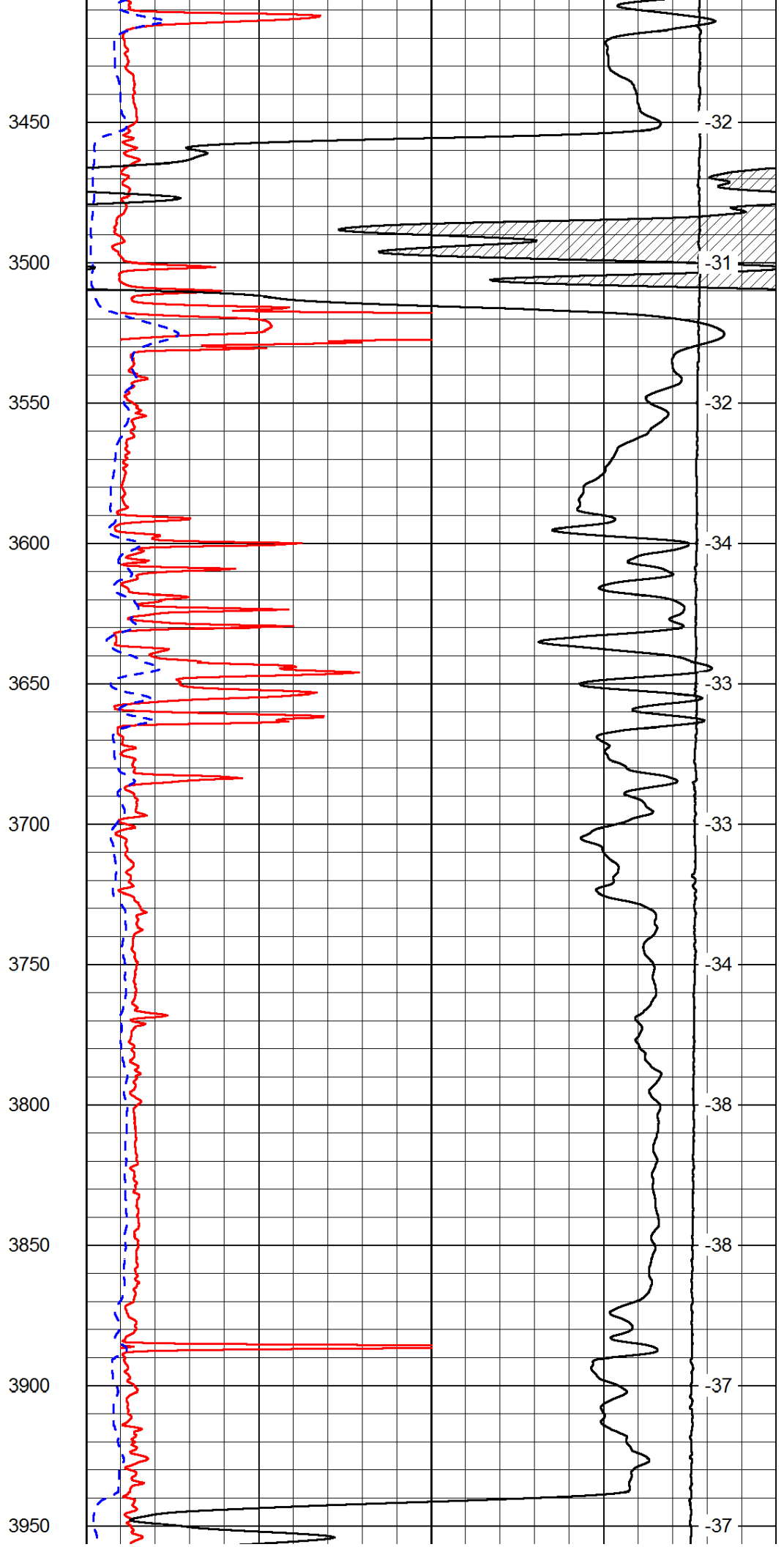
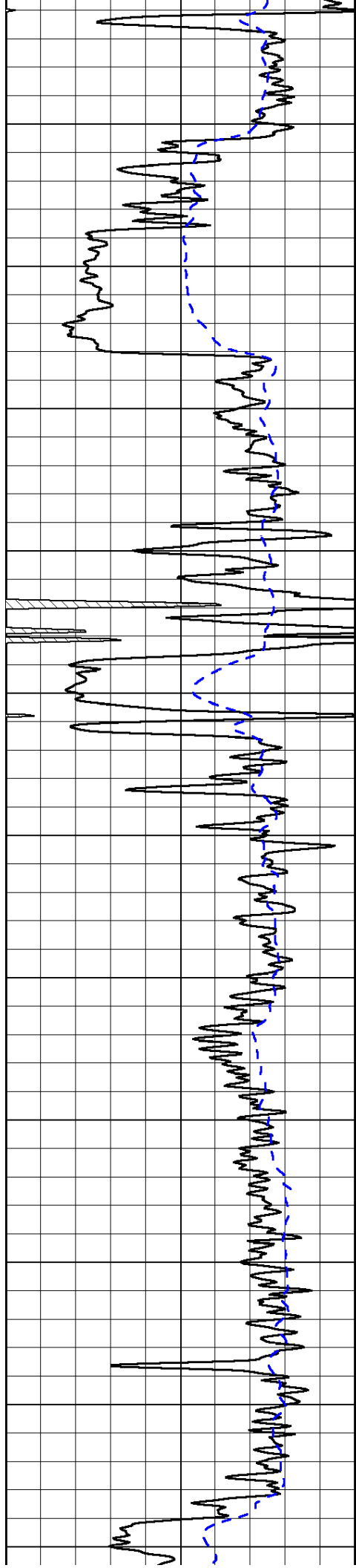


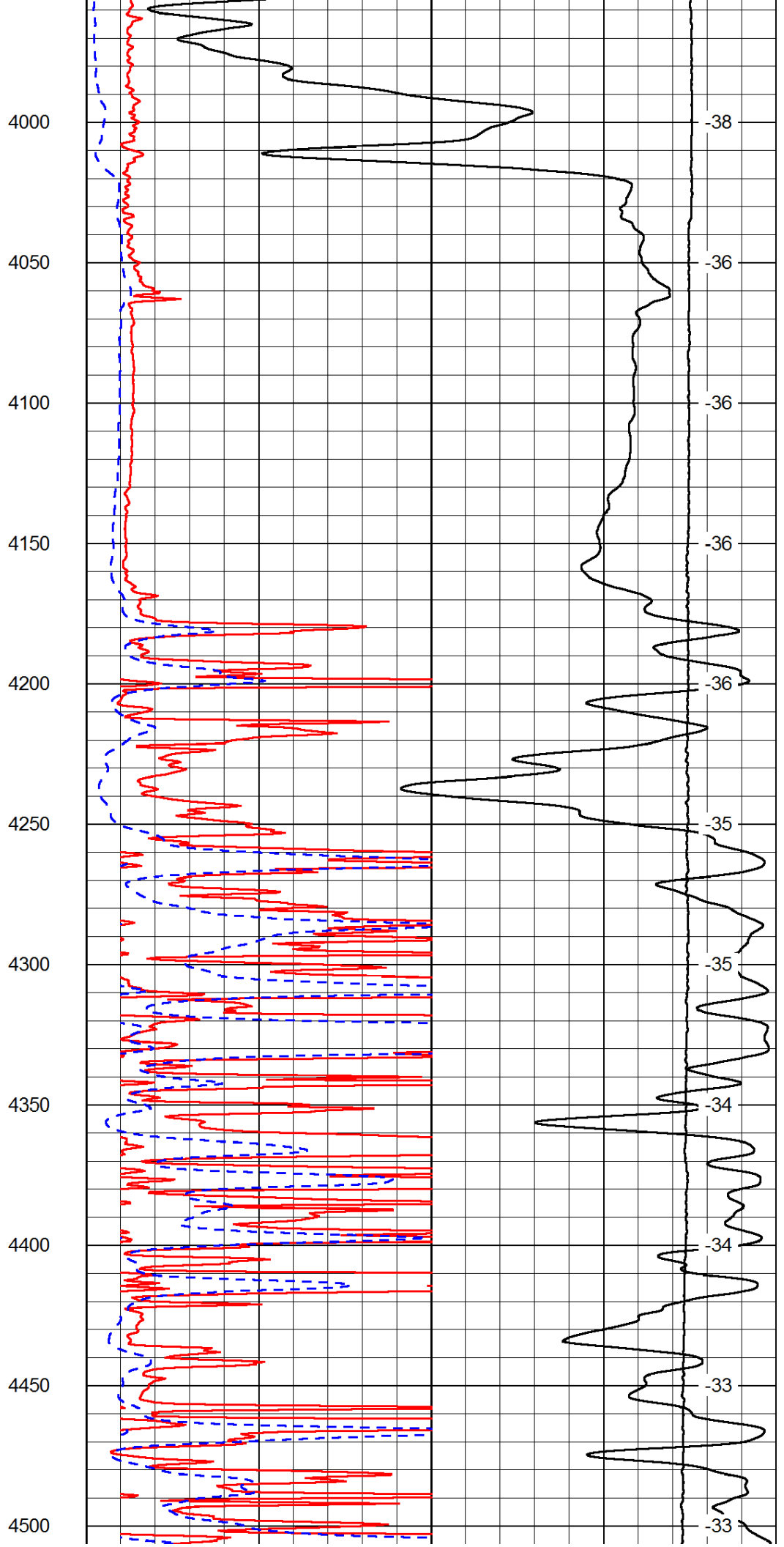
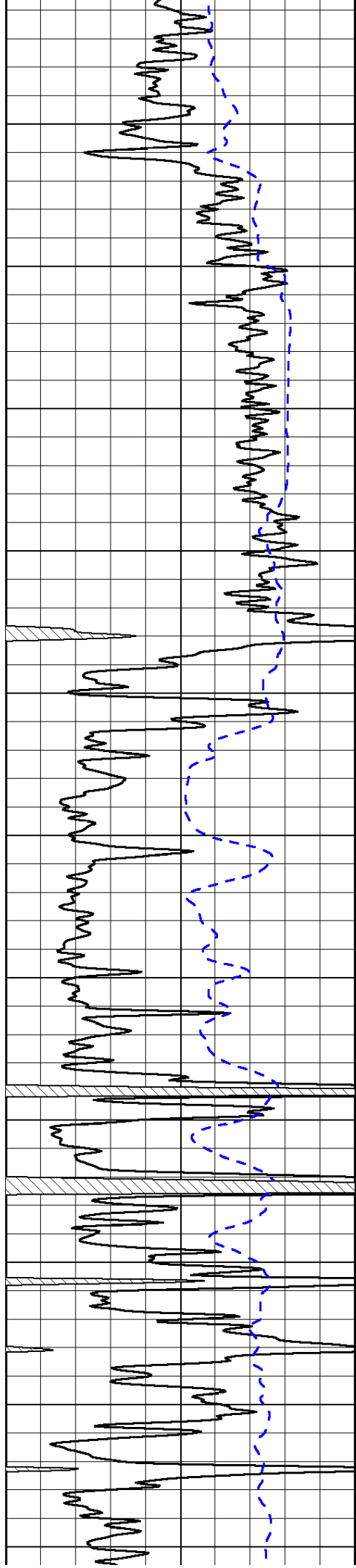


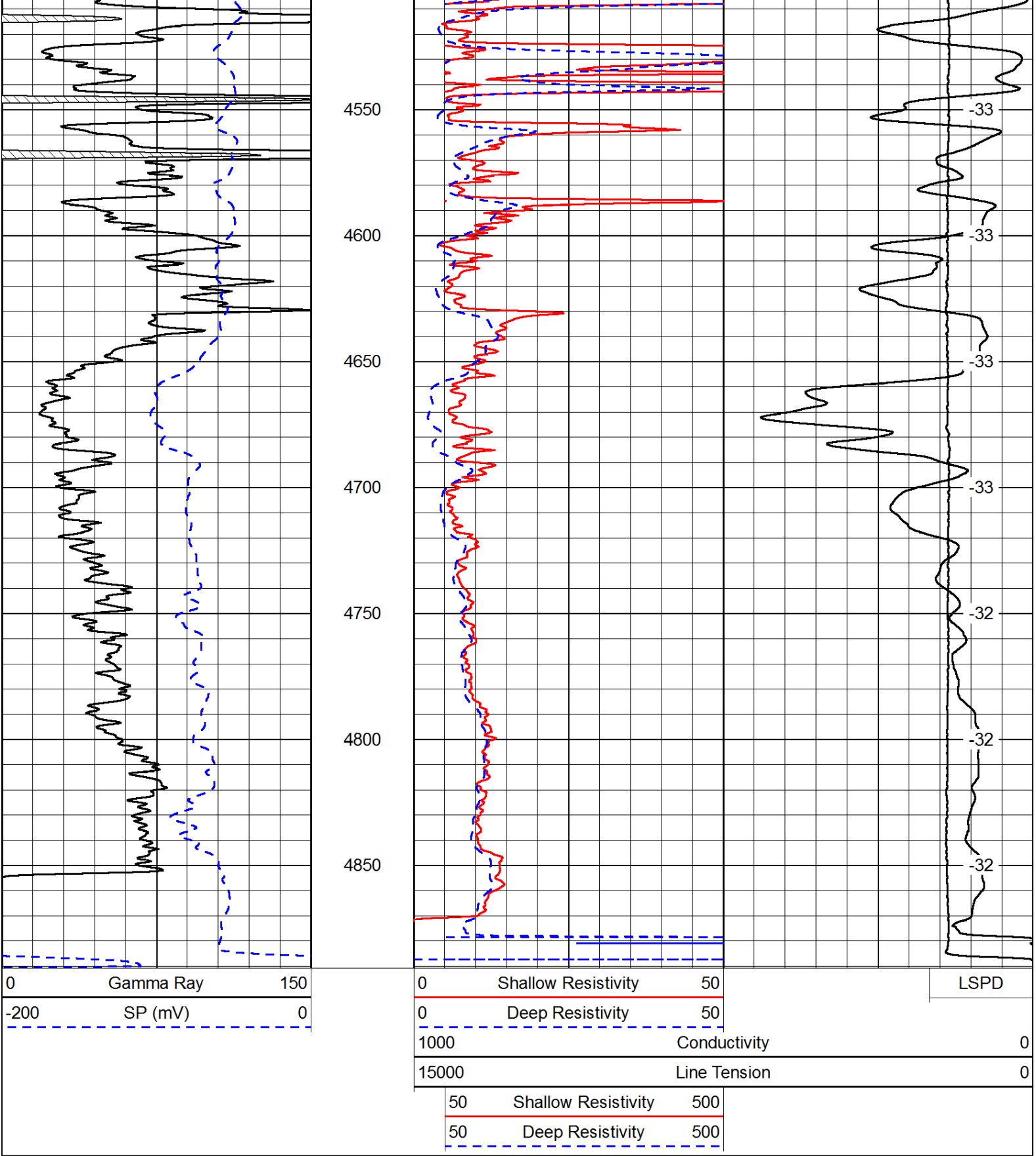












Database File:		c:\warrior\data\wildcat_liebl #7\wildcat_hd.db	
Dataset Pathname:		dil/wldm2	
Presentation Format:		dil	
Dataset Creation:		Mon Jan 28 12:07:21 2013	
Charted by:		Depth in Feet scaled 1:240	

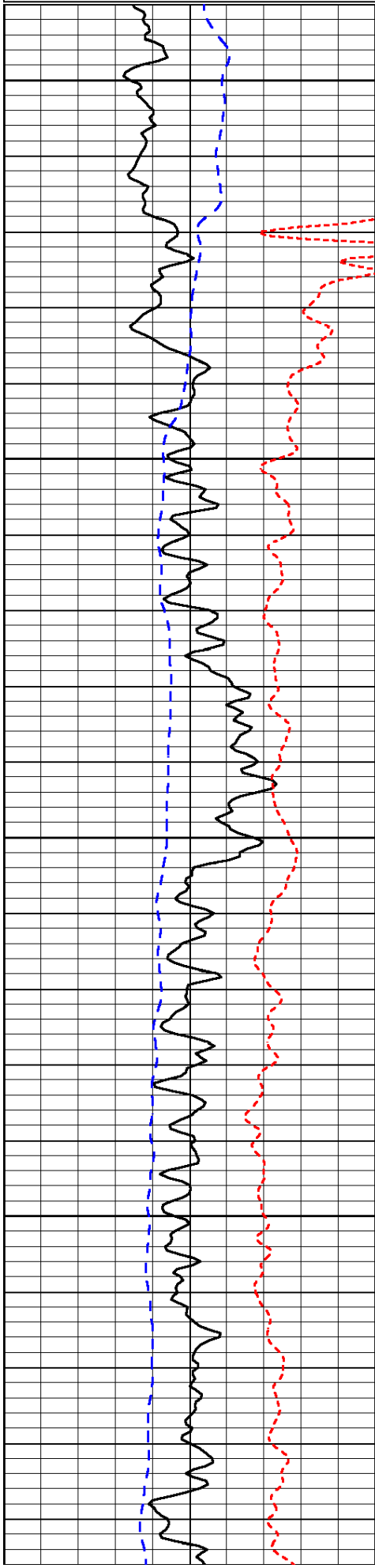
0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
1000	Conductivity	0	0.2	Shallow Resistivity	500
15000	Line Tension	0	0.2	Deep Resistivity	500

-160 Rx/Rt 40

0.2 Shallow Resistivity 2000

15000 Line Tension 0

LSPD

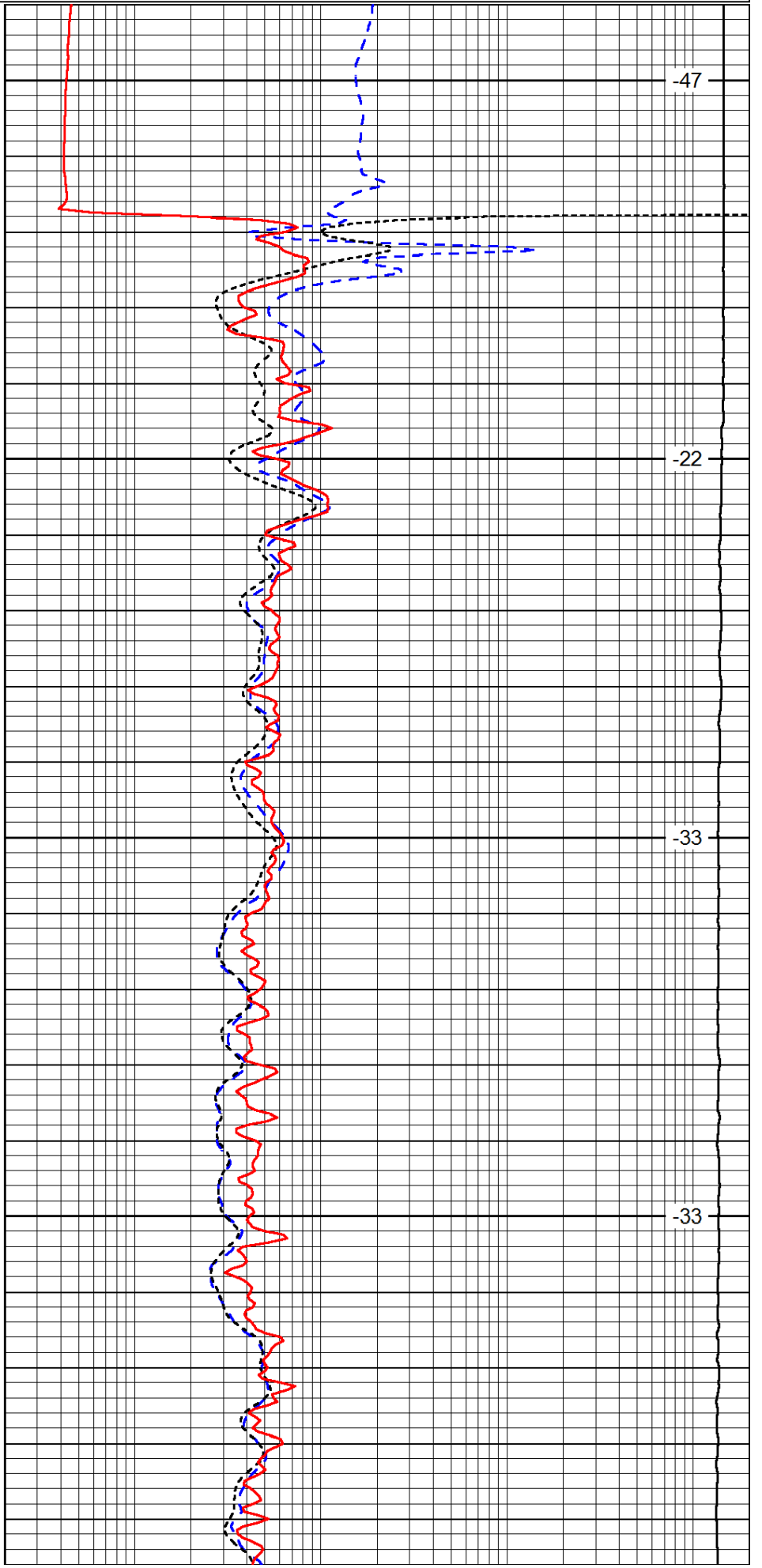


200

250

300

350

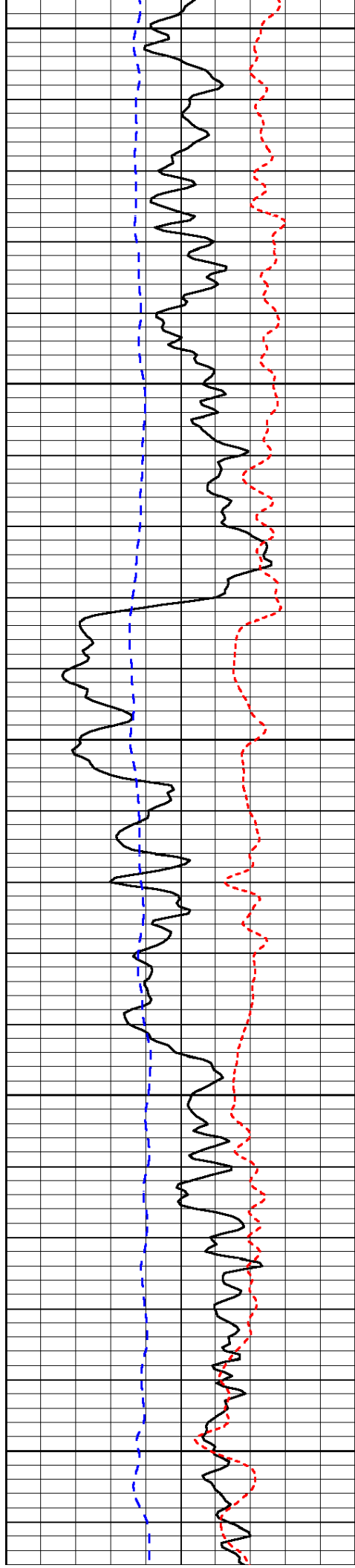


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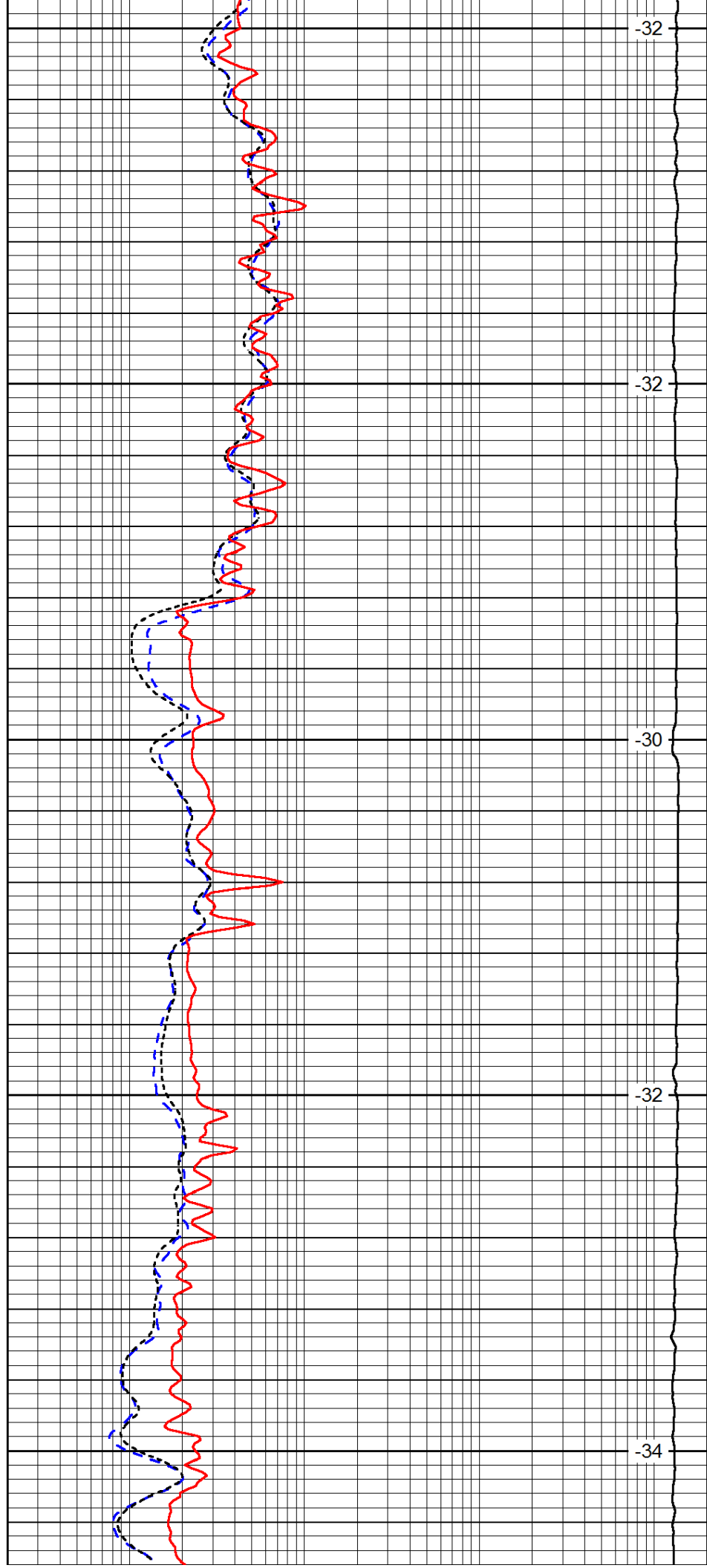
400

450

500

550

600



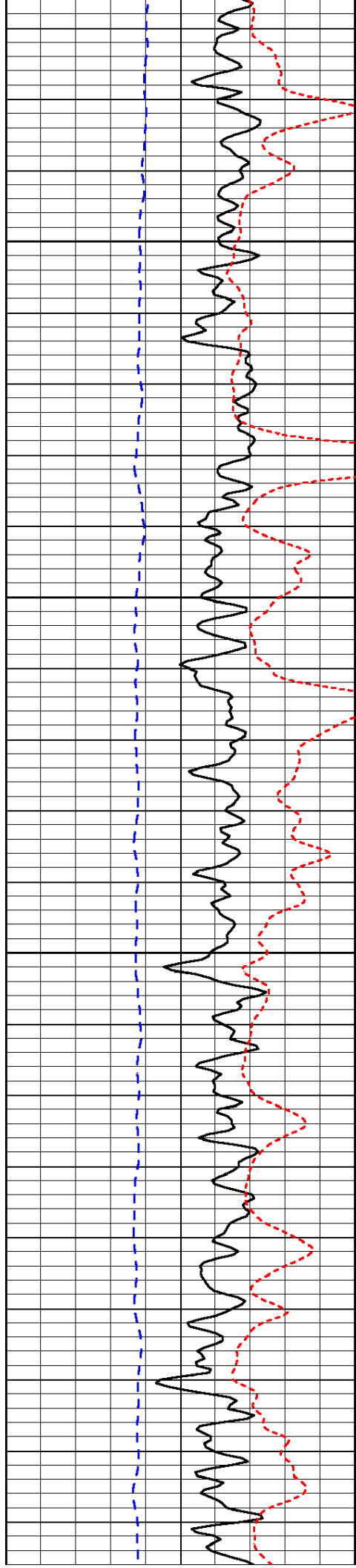
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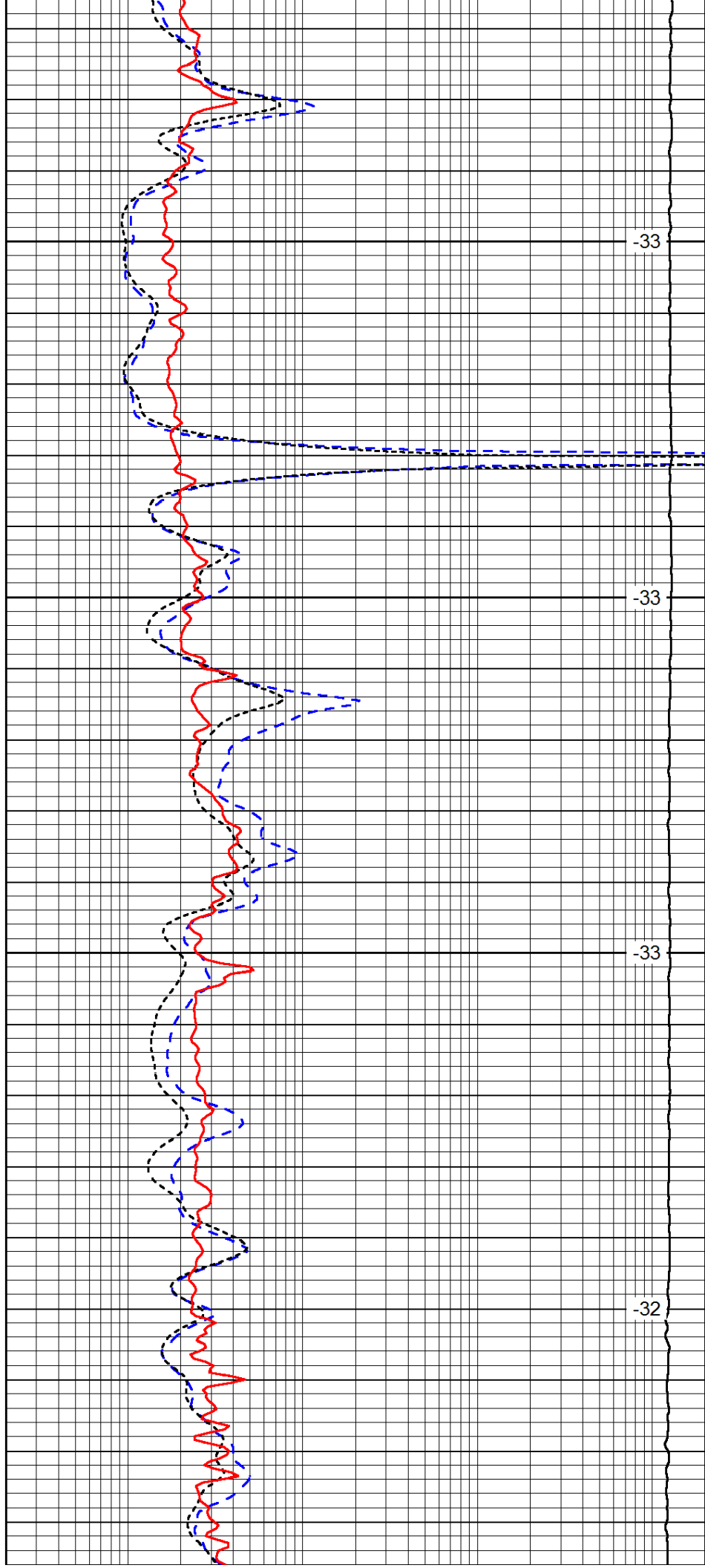


650

700

750

800

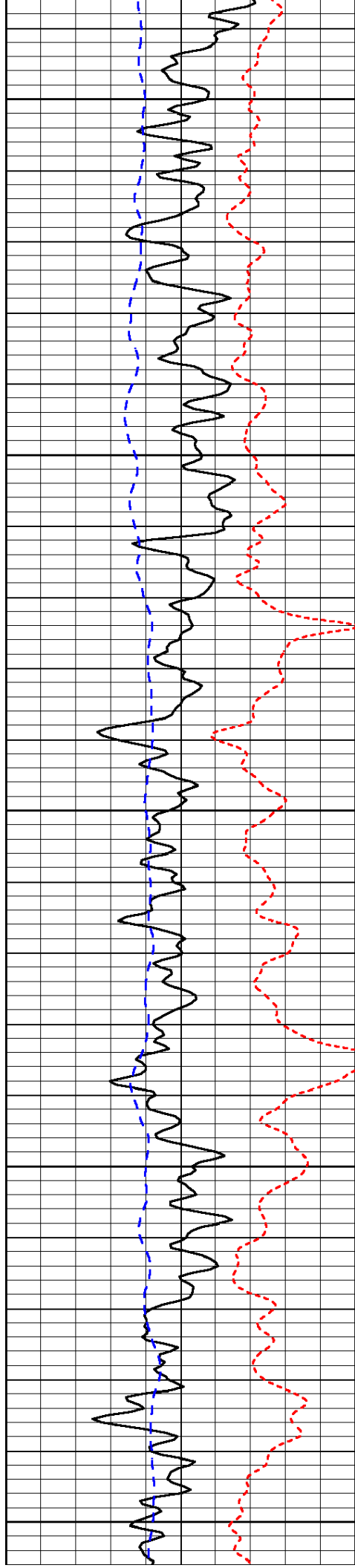


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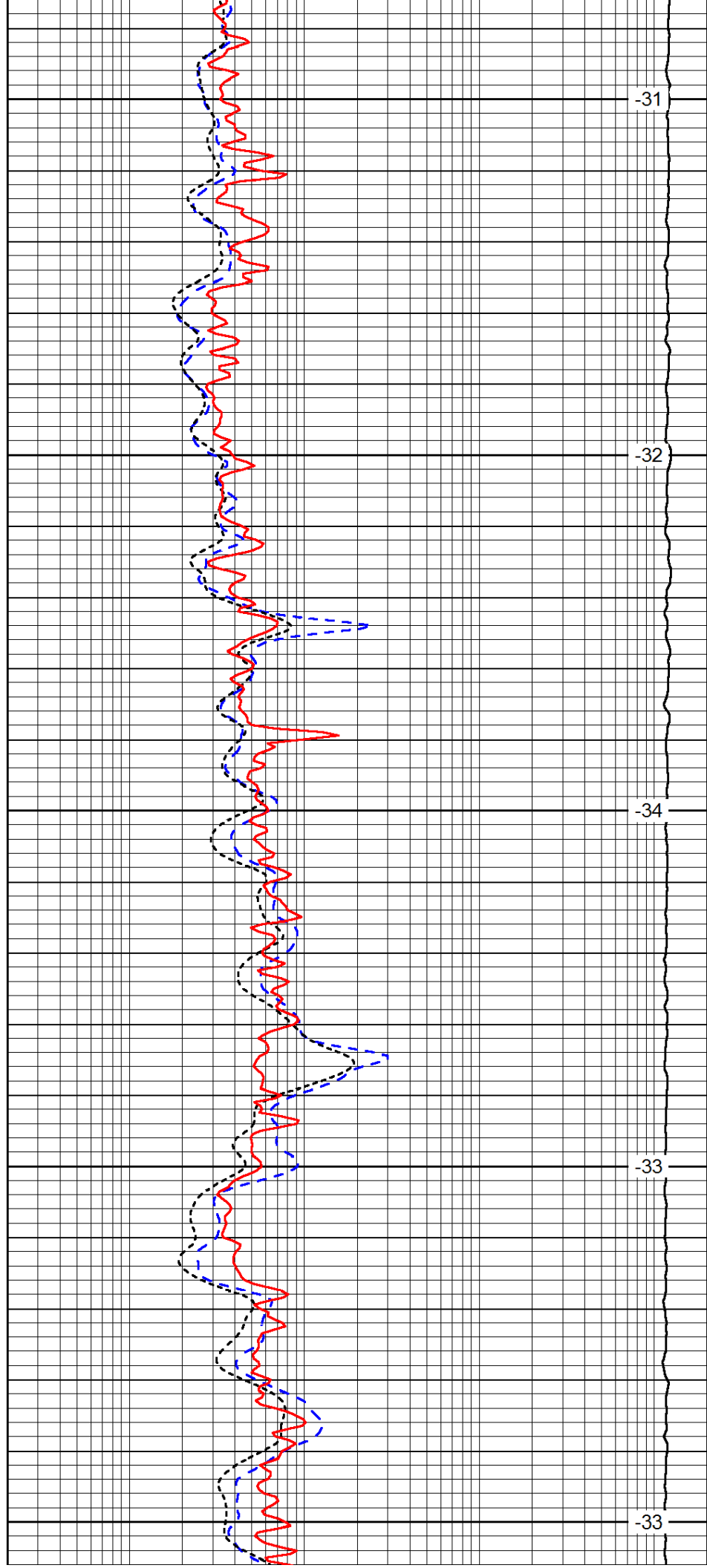
850

900

950

1000

1050



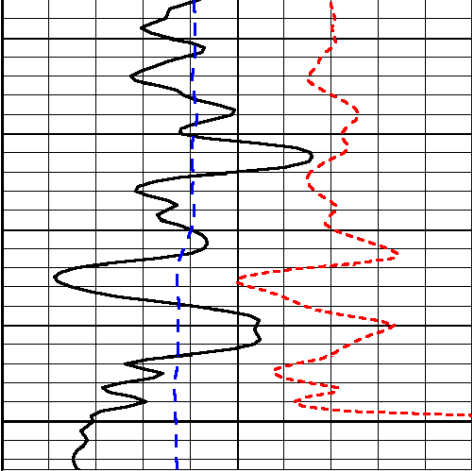
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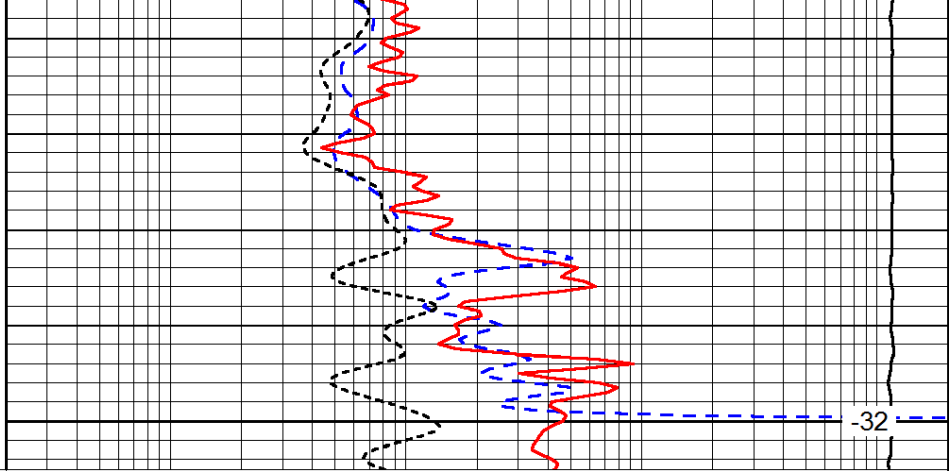
-33

-33



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

1100



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

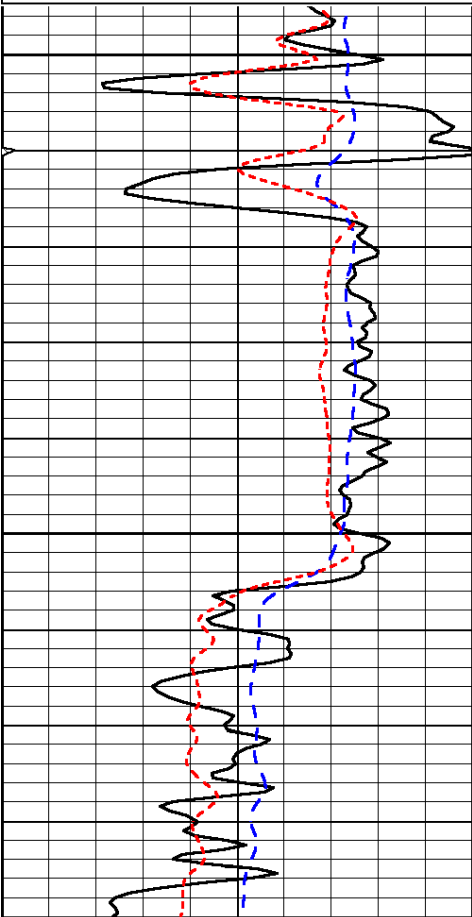
LSPD

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Presentation Format: dil
Dataset Creation: Mon Jan 28 12:07:21 2013
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0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

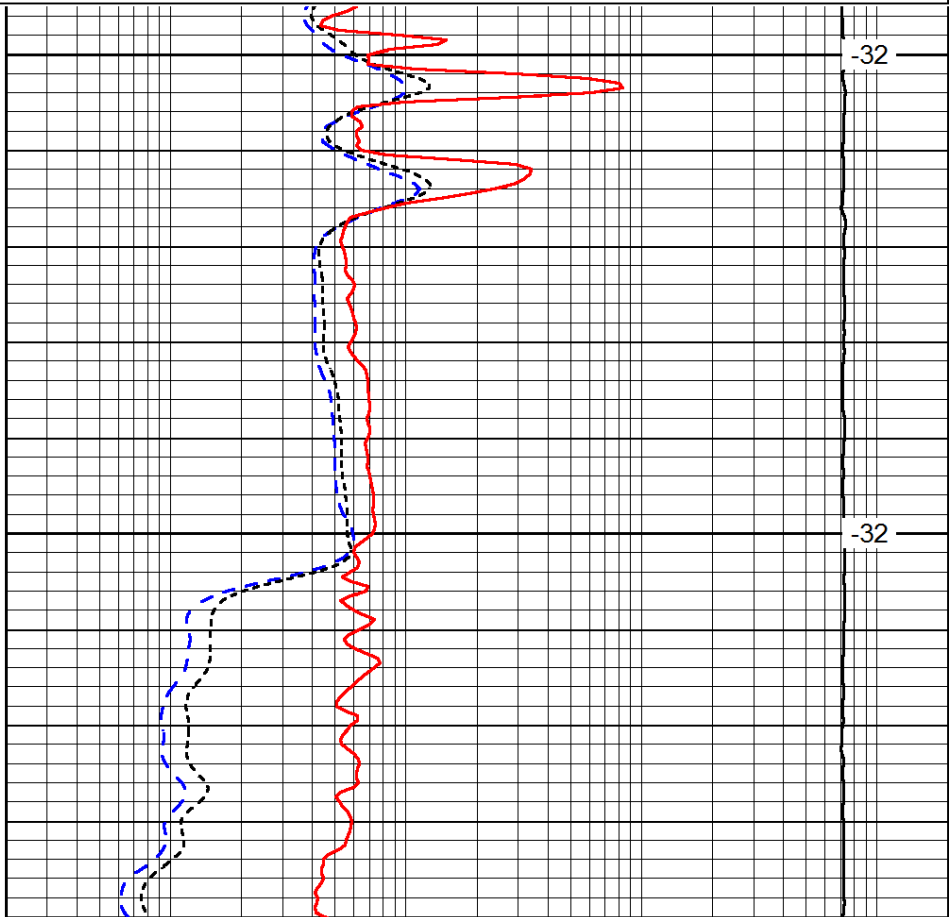
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

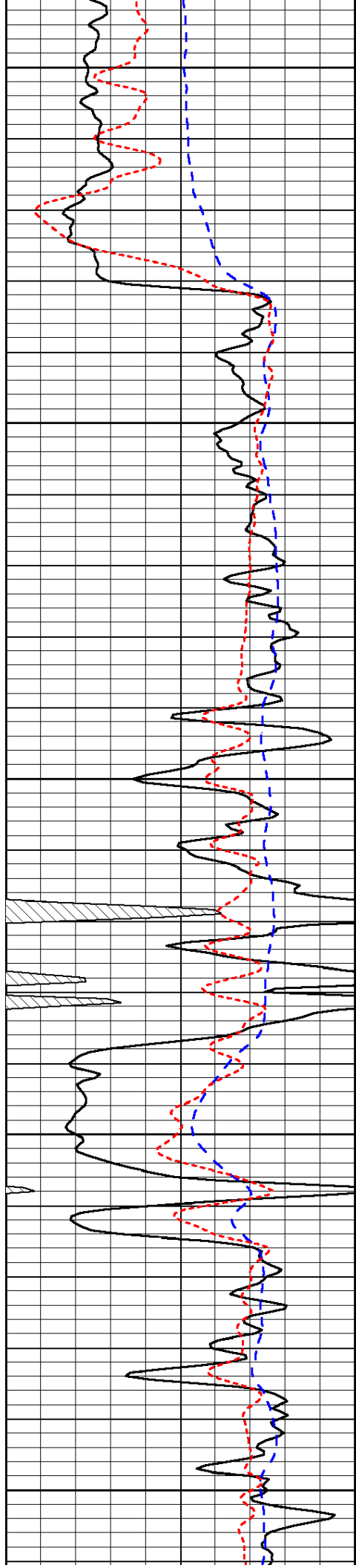
LSPD



3400

3450





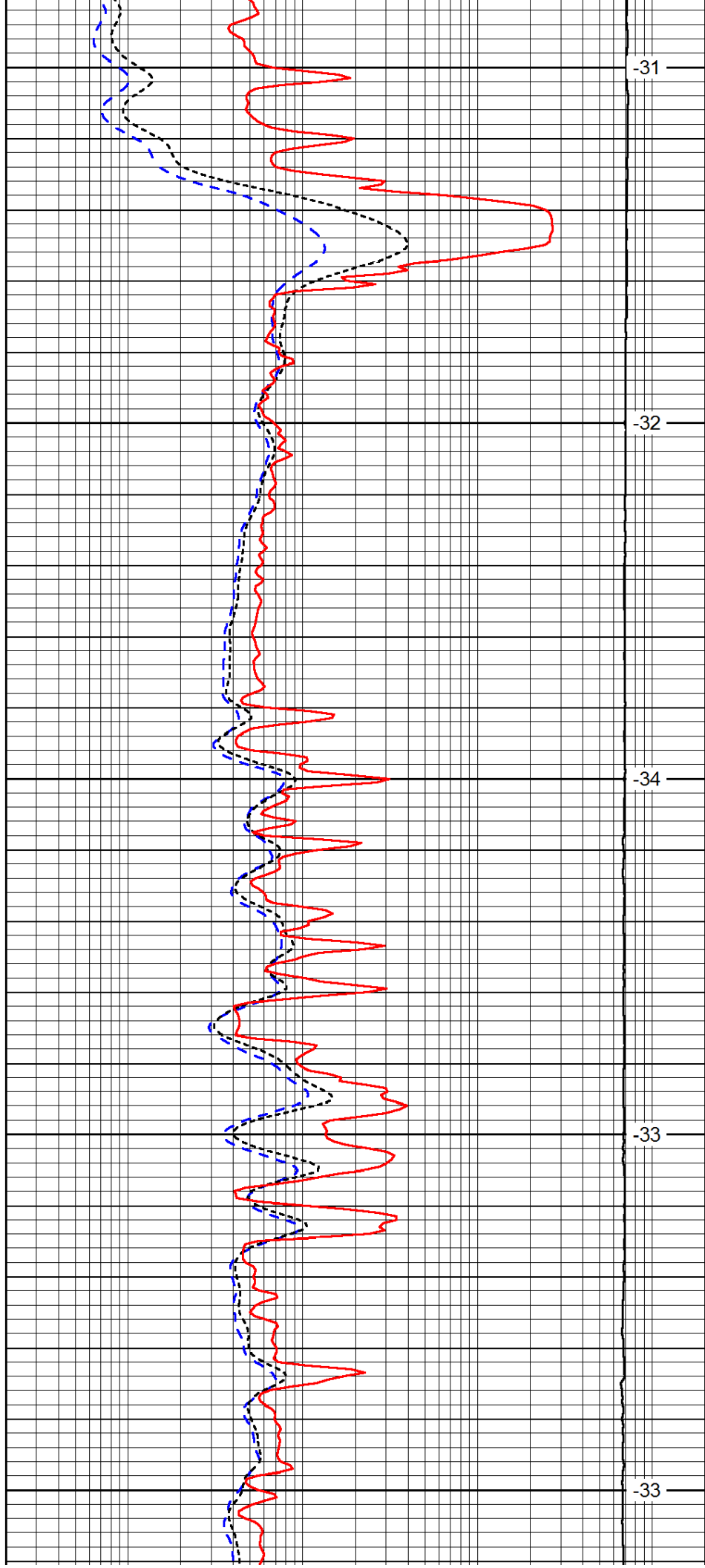
3500

3550

3600

3650

3700



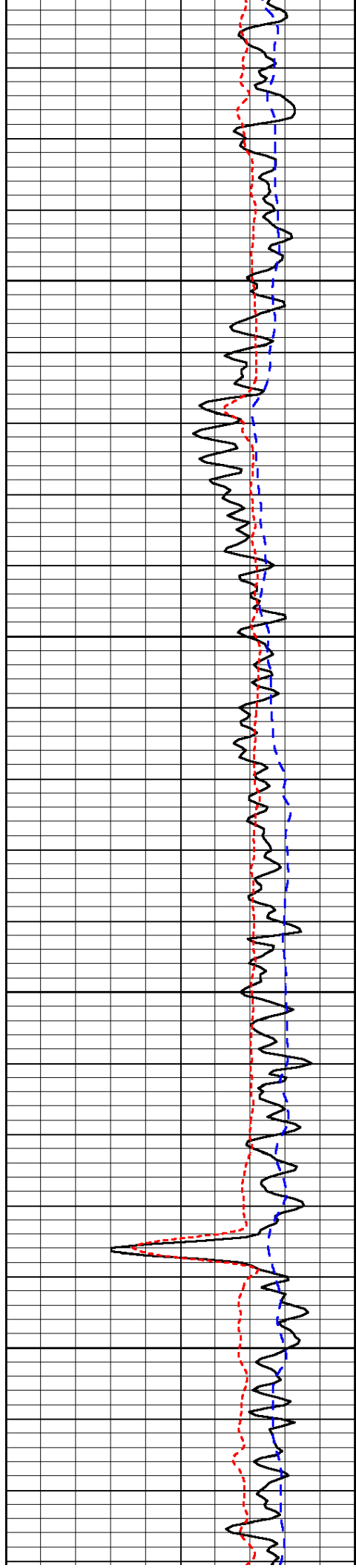
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-33

-33

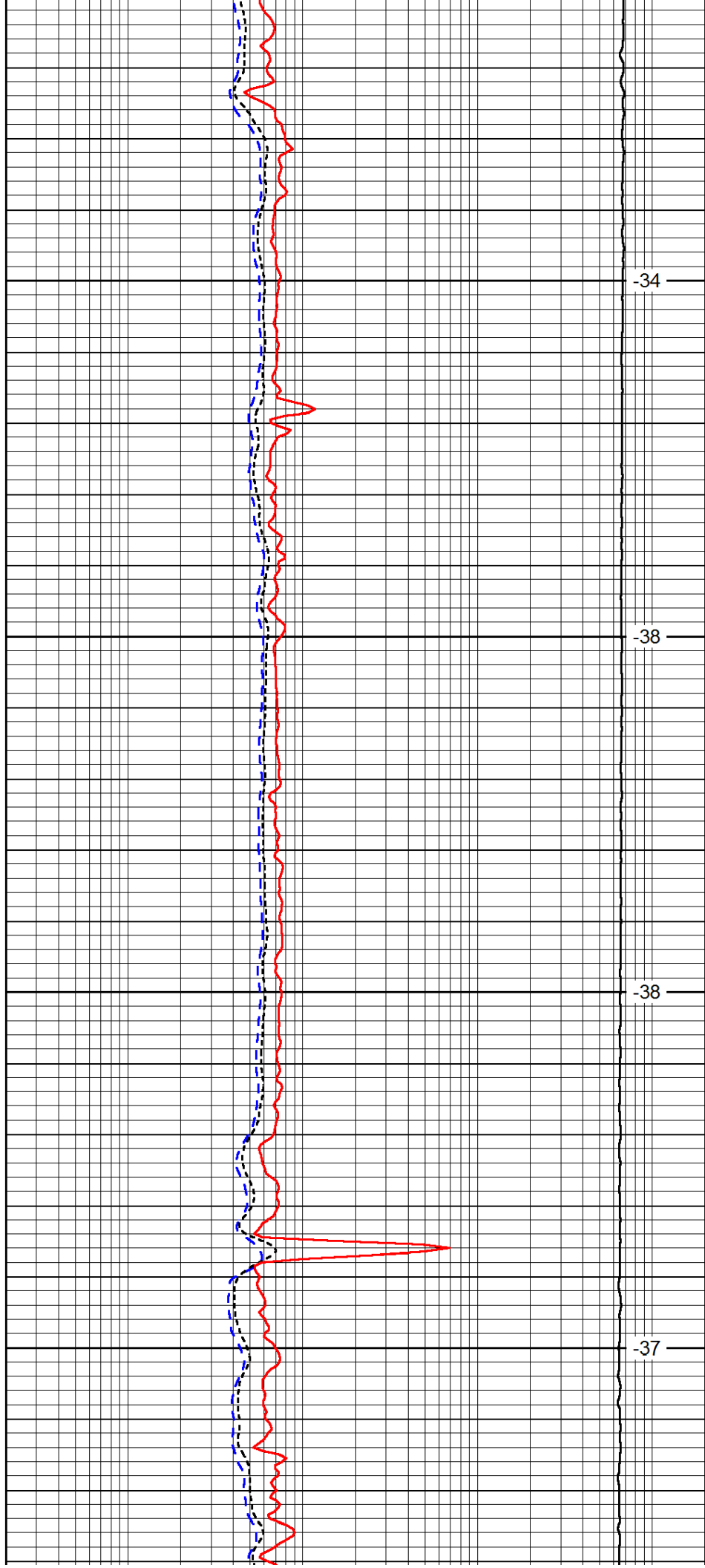


3750

3800

3850

3900

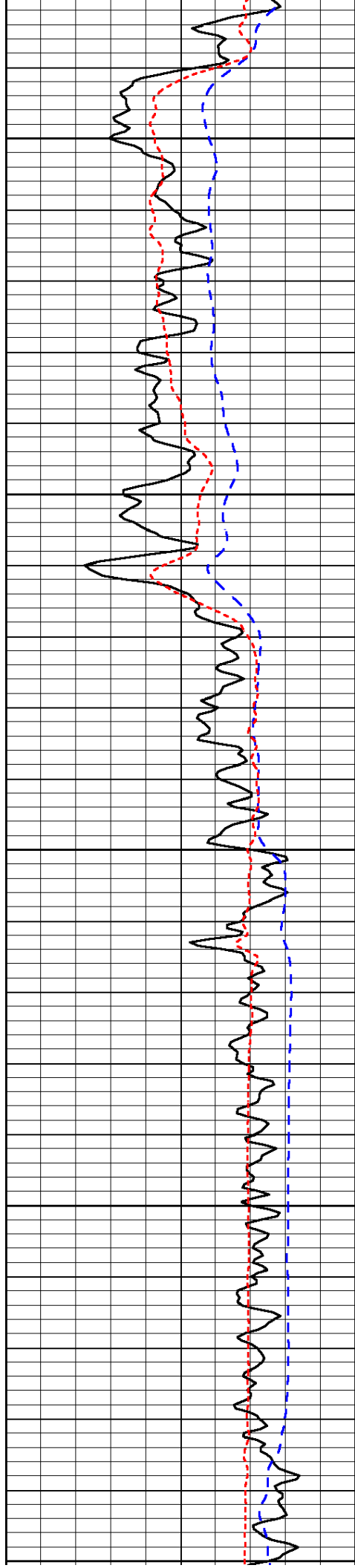


-34

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-38

-37



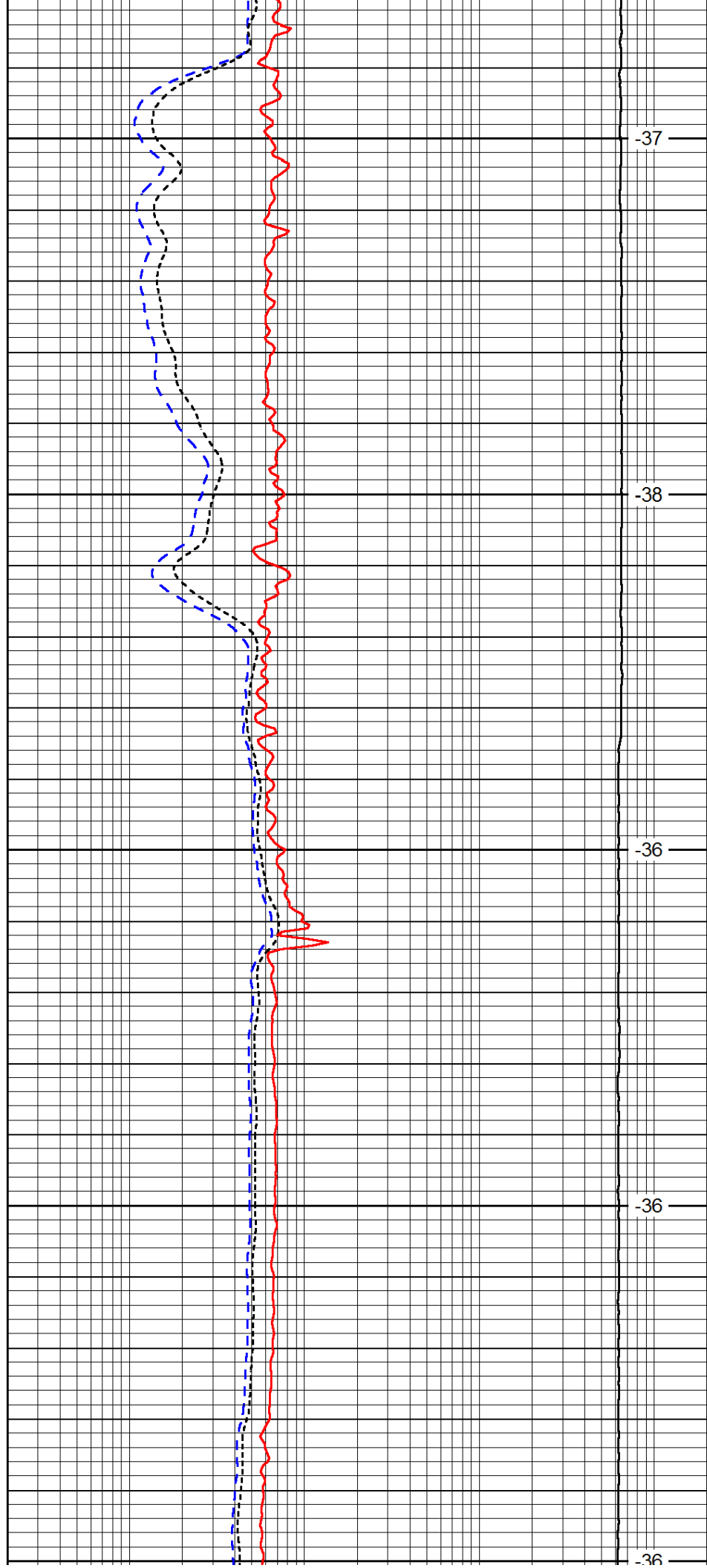
3950

4000

4050

4100

4150



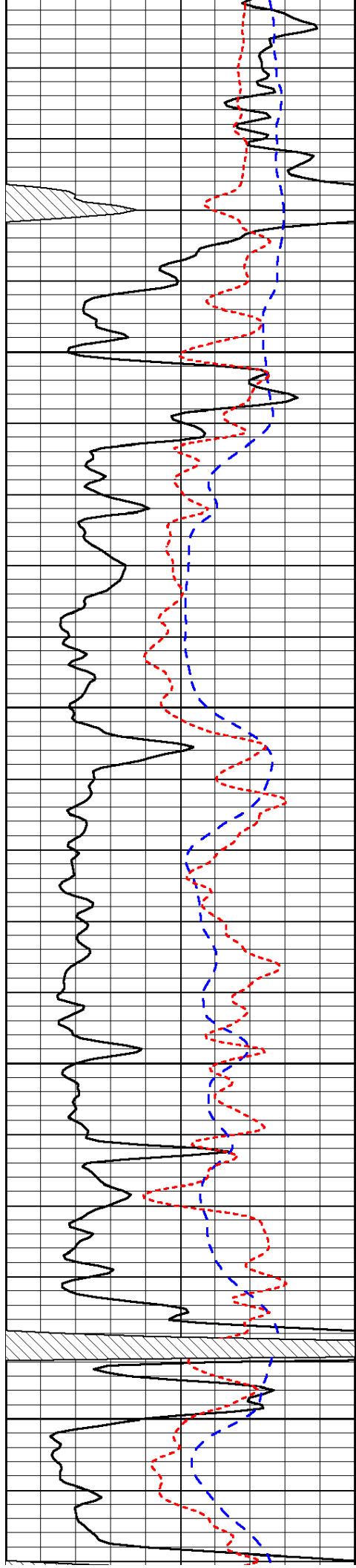
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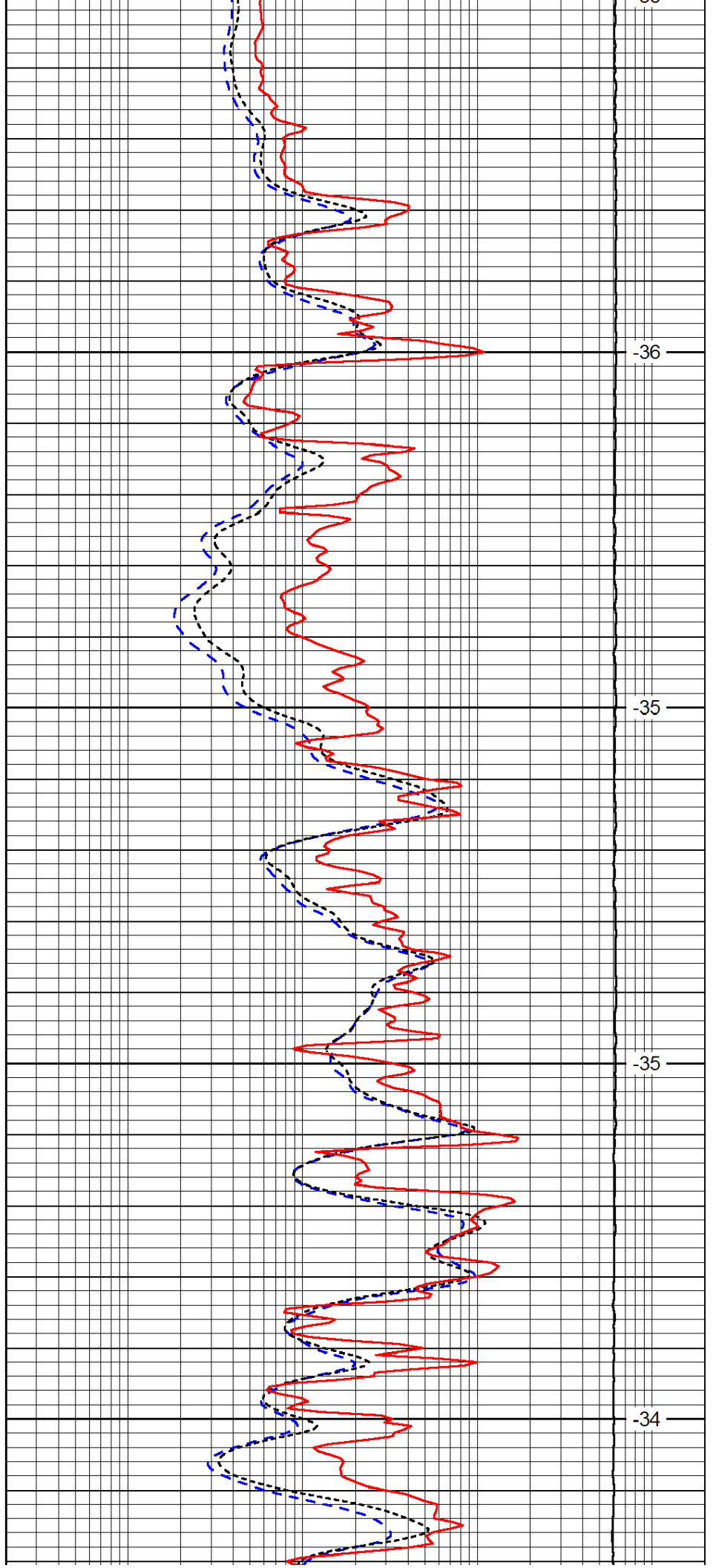
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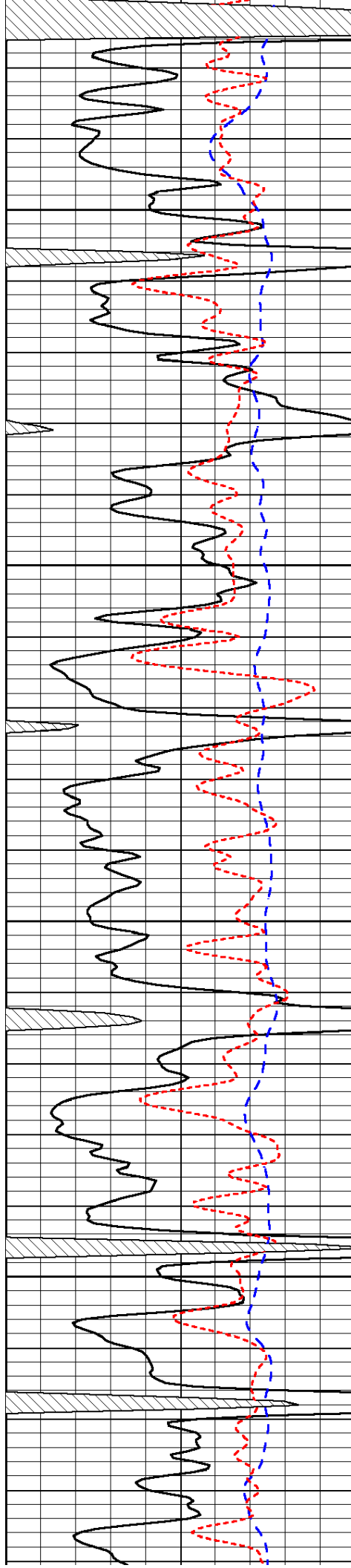
-36



4200
4250
4300
4350



-36
-35
-35
-34

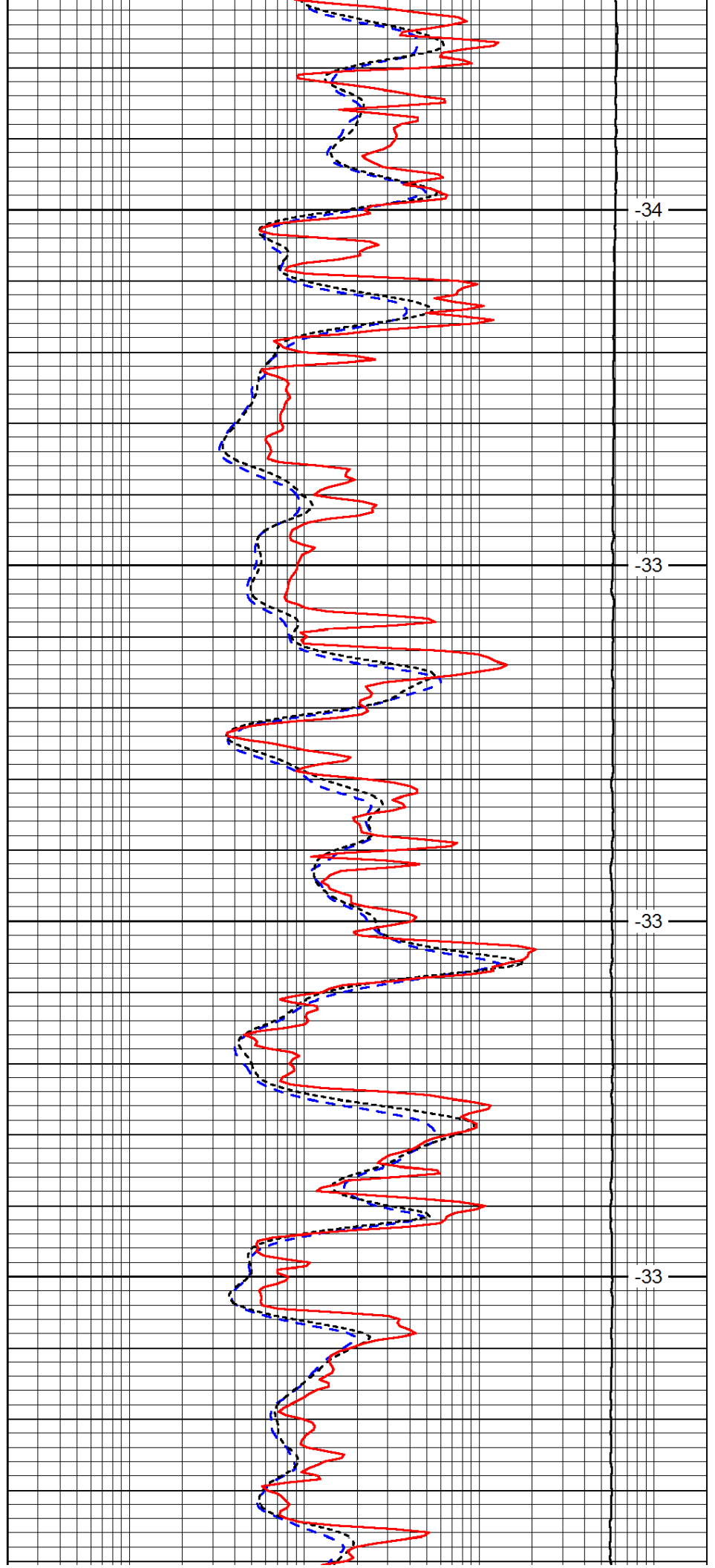


4400

4450

4500

4550

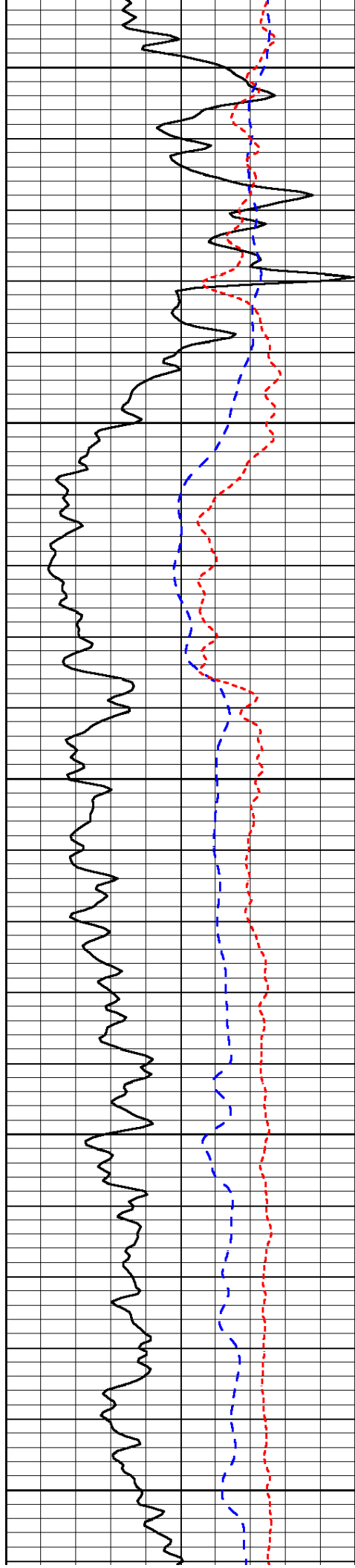


-34

-33

-33

-33



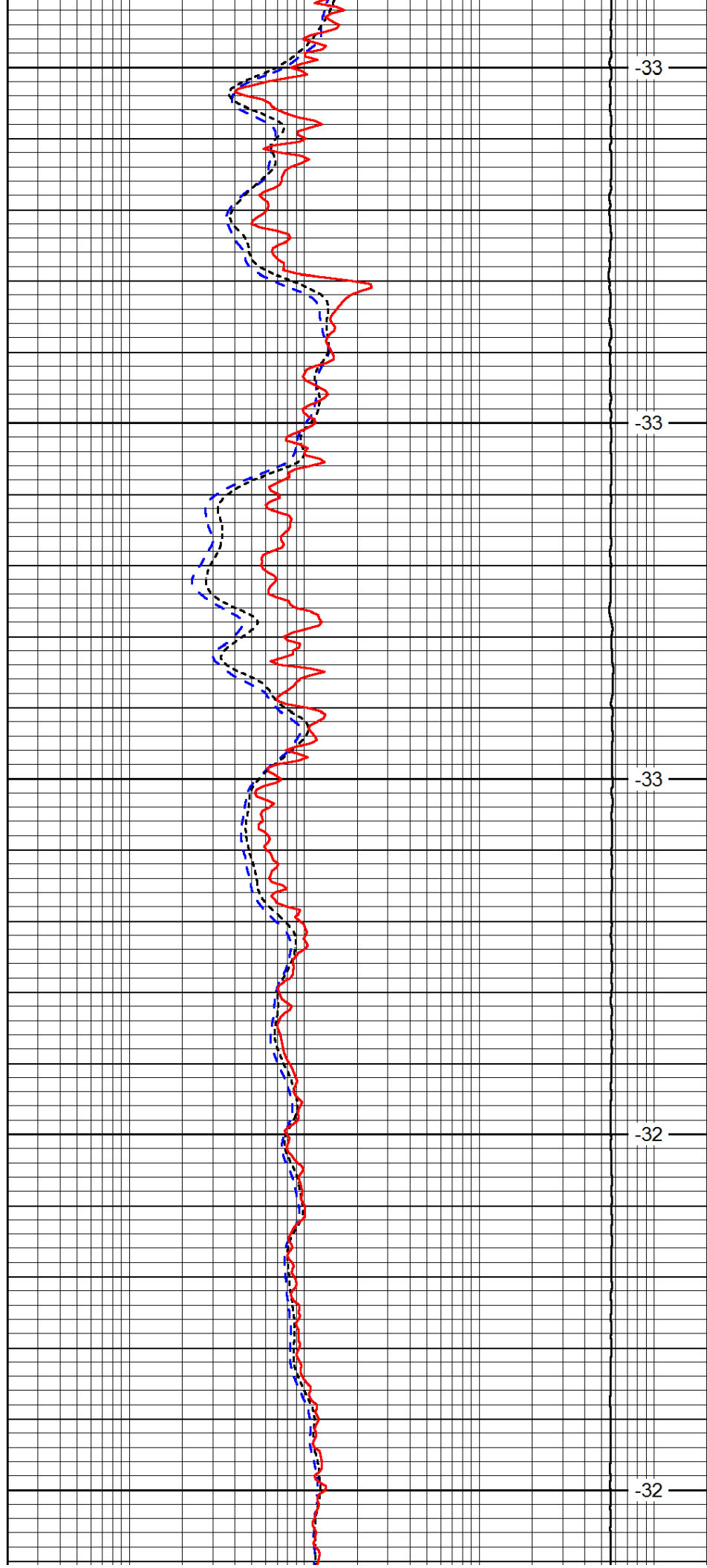
4600

4650

4700

4750

4800



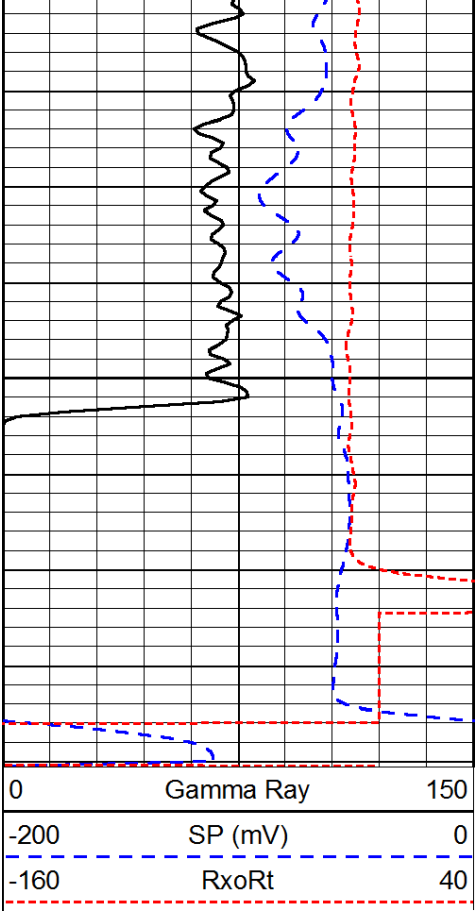
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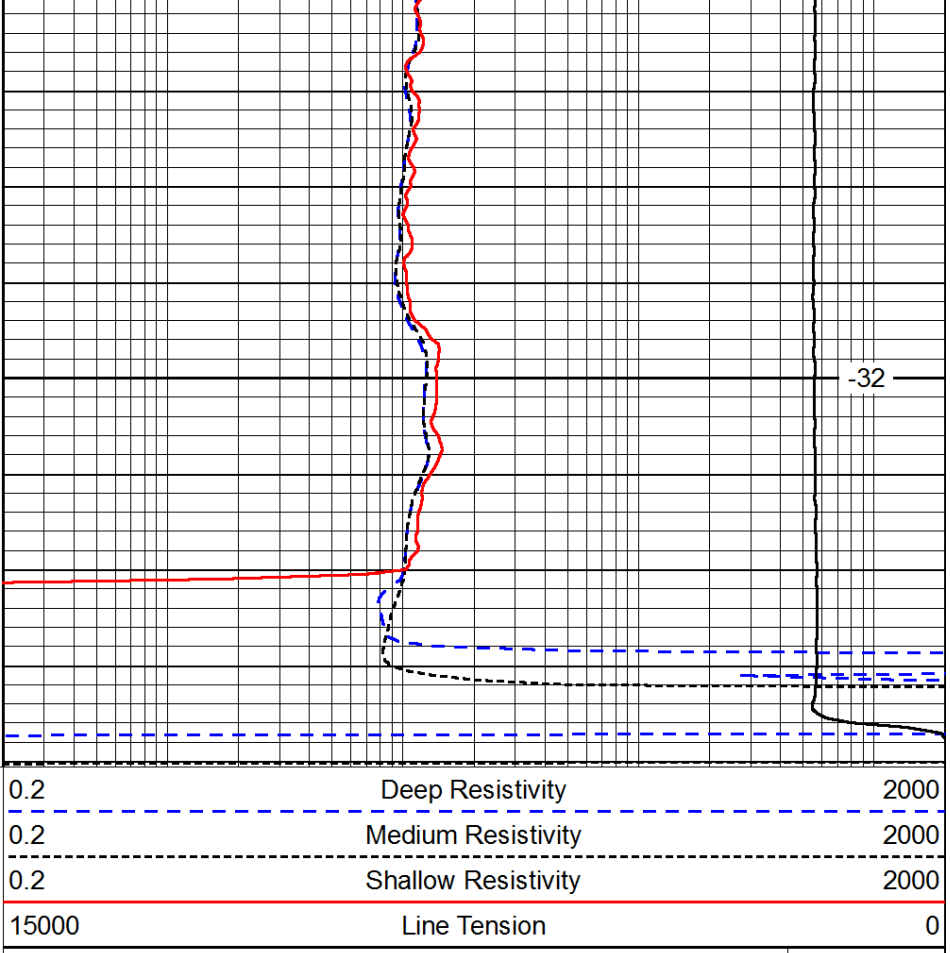
-33

-32

-32



4850



-32

LSPD