



DIGITAL LOG
(785) 625-3858

Dual Induction Log

API No.	15-145-21,632-00-00	
Company	Downing-Nelson Oil Company, Inc.	
Well	IFS Unit No. 1-19	
Field	Steffen Northwest	
County	Pawnee	State Kansas
Location	W2 W2 W2 W2 2,648' FNL & 120' FWL	
Sec: 19	Twp: 20S	Rge: 20W
Permanent Datum	Ground Level	Elevation 2215
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL/BHCS
		Elevation K.B. 2223 D.F. 2215 G.L. 2215

Date	2/25/2011
Run Number	One
Depth Driller	4368
Depth Logger	4370
Bottom Logged Interval	4369
Top Log Interval	500
Casing Driller	8.625 @ 522
Casing Logger	521
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5000
Density / Viscosity	9.2 51
pH / Fluid Loss	9.5 9.6
Source of Sample	Flowline
Rm @ Meas. Temp	.74 @ 44
Rmf @ Meas. Temp	.56 @ 44
Rmc @ Meas. Temp	1.00 @ 44
Source of Rmf / Rmc	Charts
Rm @ BHT	.27 @ 120
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	120
Equipment Number	10
Location	Hays
Recorded By	J. Long
Witnessed By	Marc Downing

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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

Alexander, 11 South to W Rd, 2 West, 1/2 South, East Into

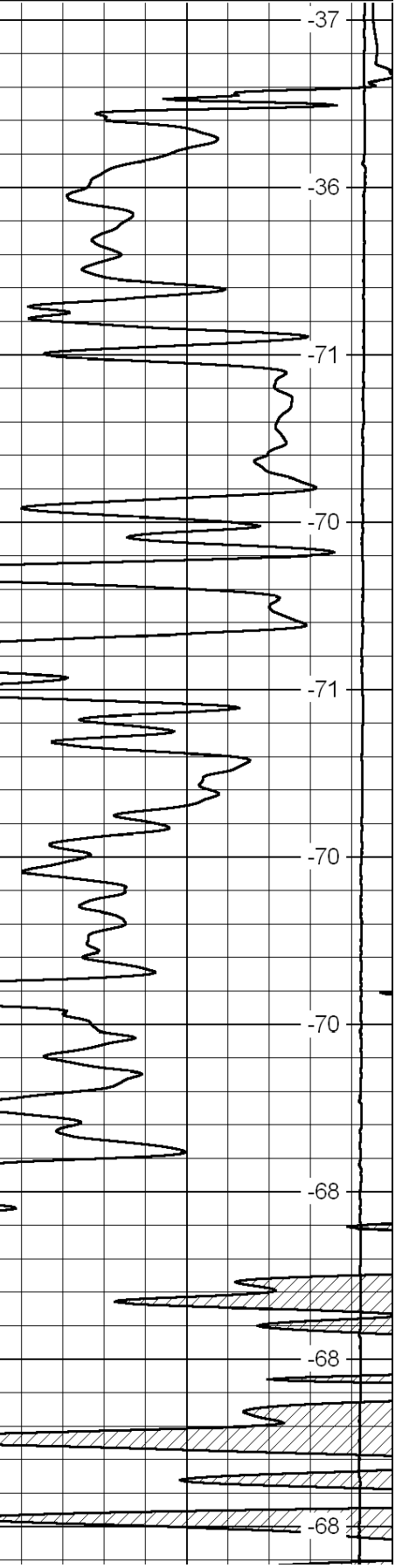
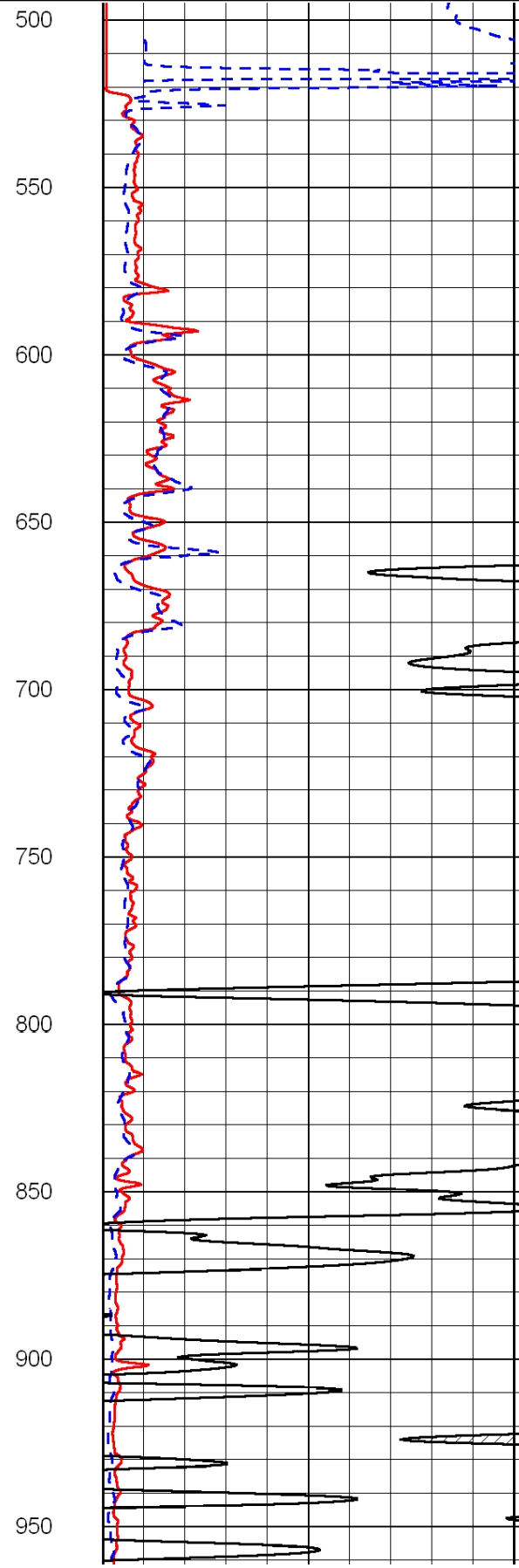
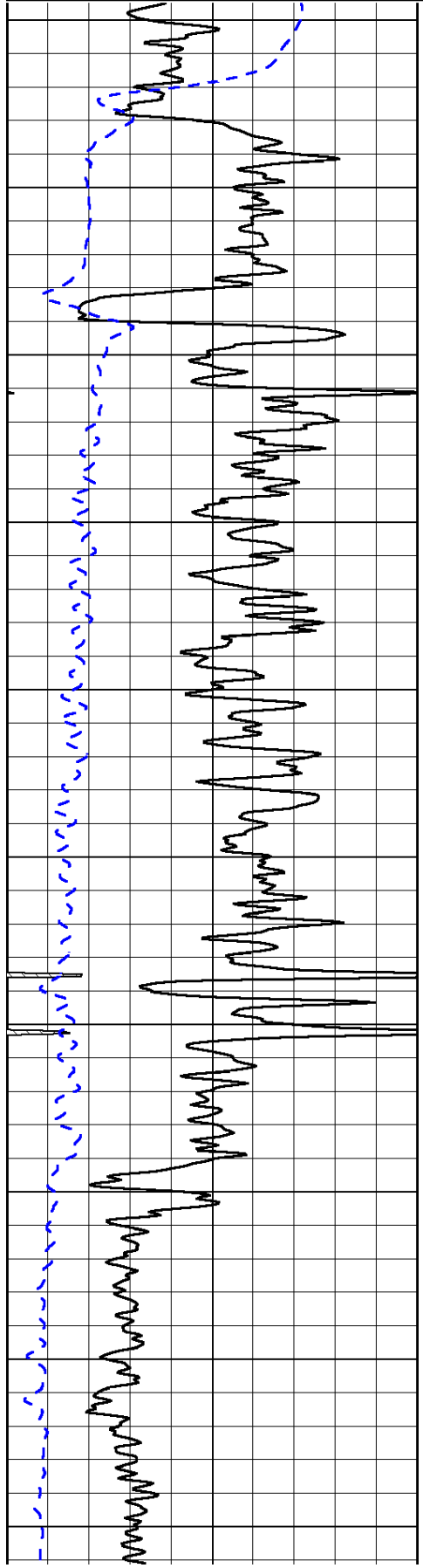
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-200	SP (mV)	0

0	Shallow Resistivity	50
0	Deep Resistivity	50

LSPD

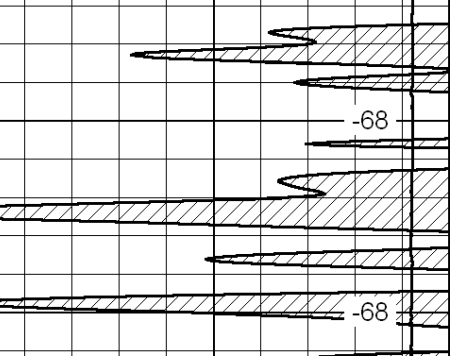
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15000	Line Tension	0

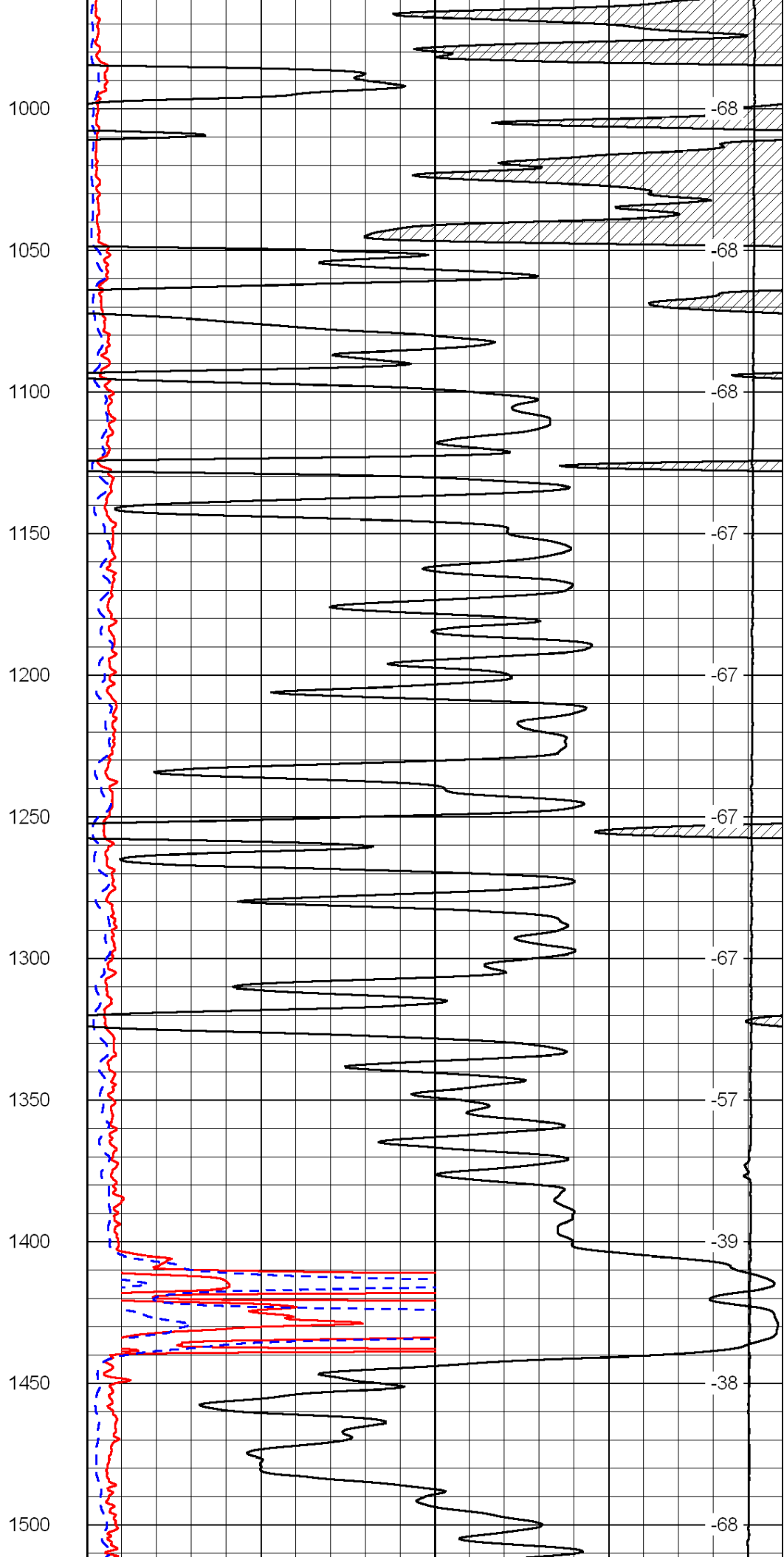
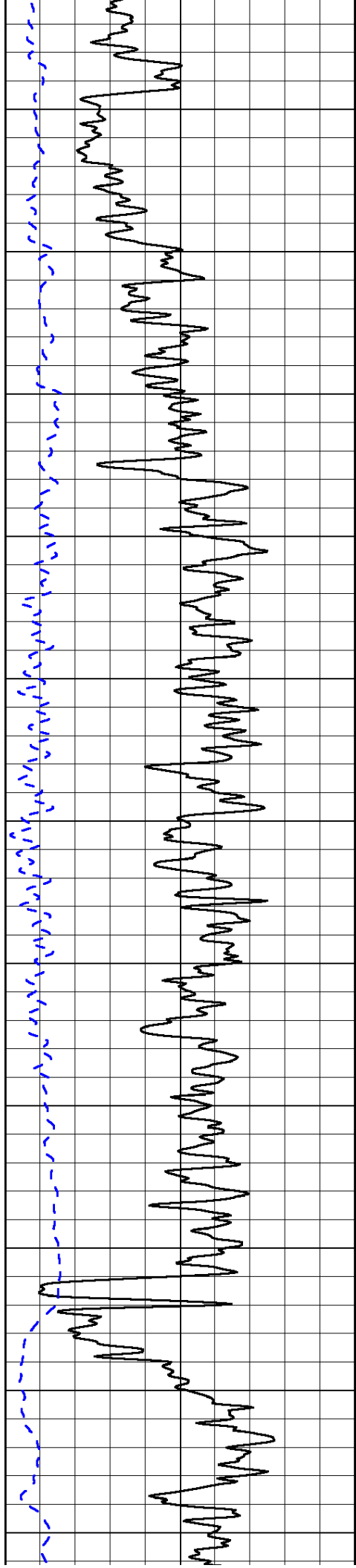
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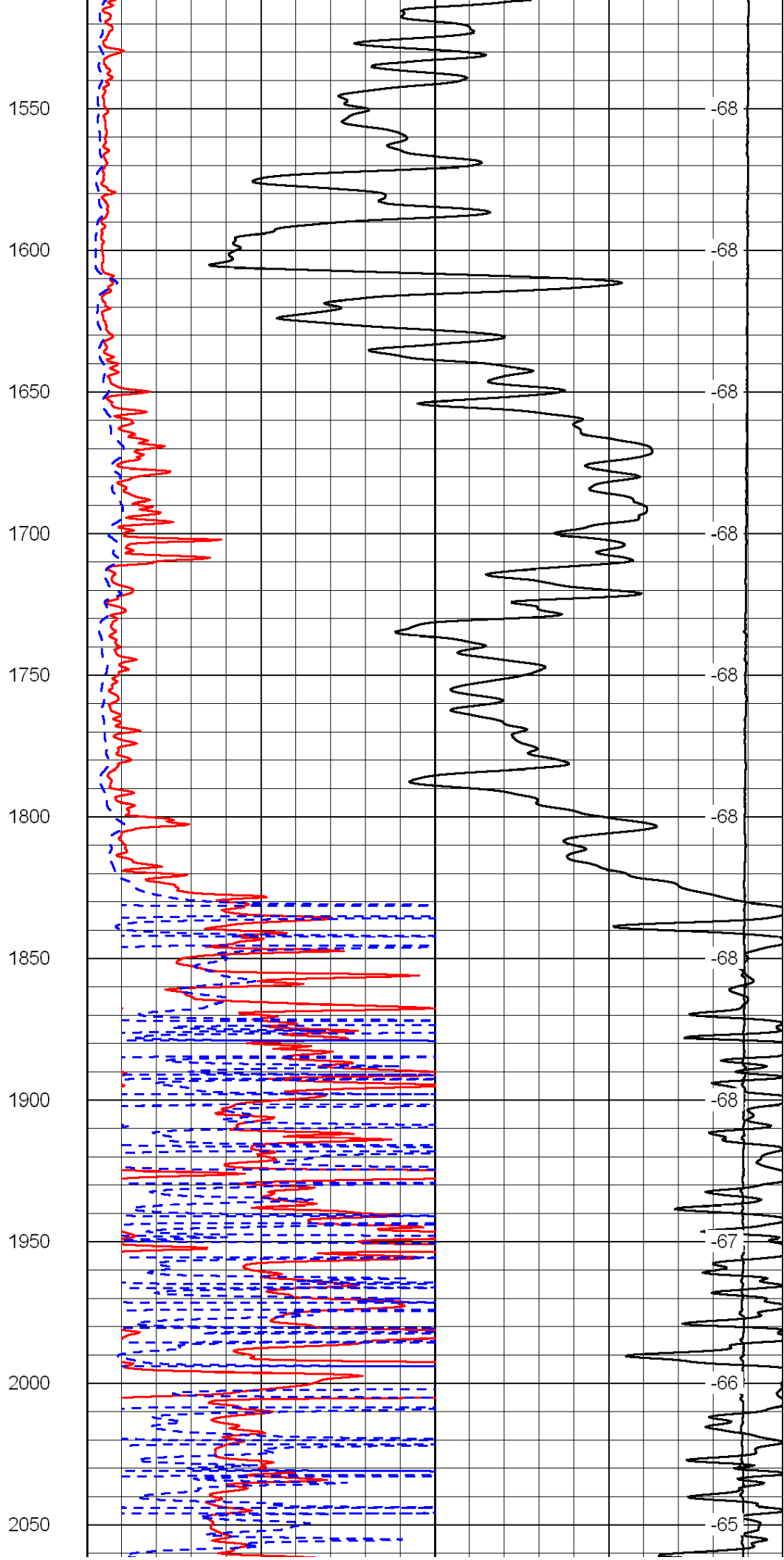
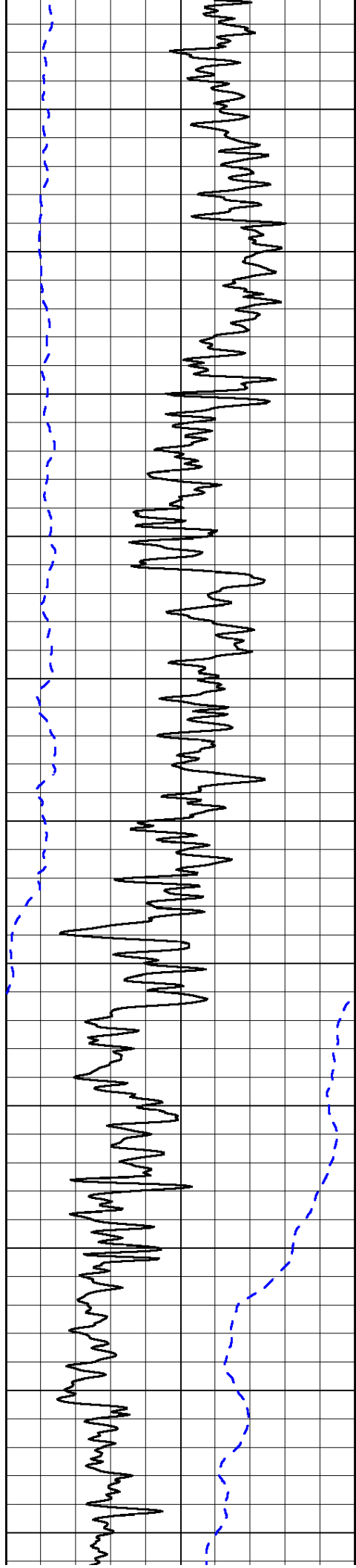


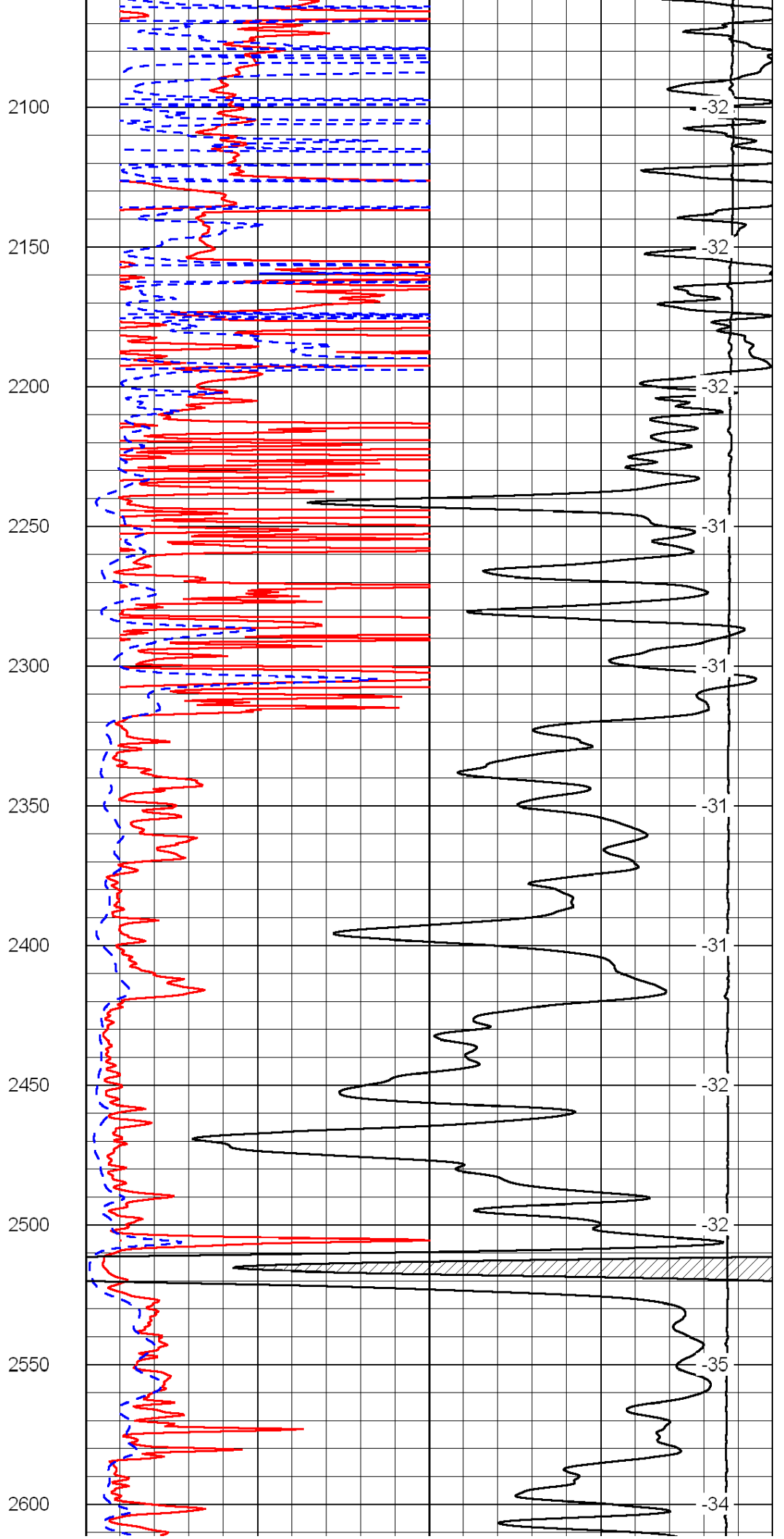
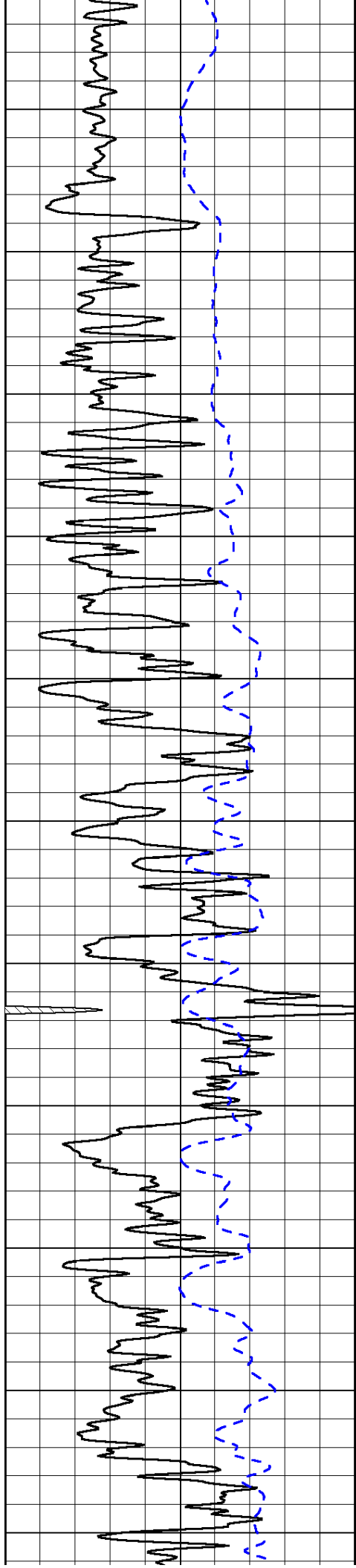
500
550
600
650
700
750
800
850
900
950

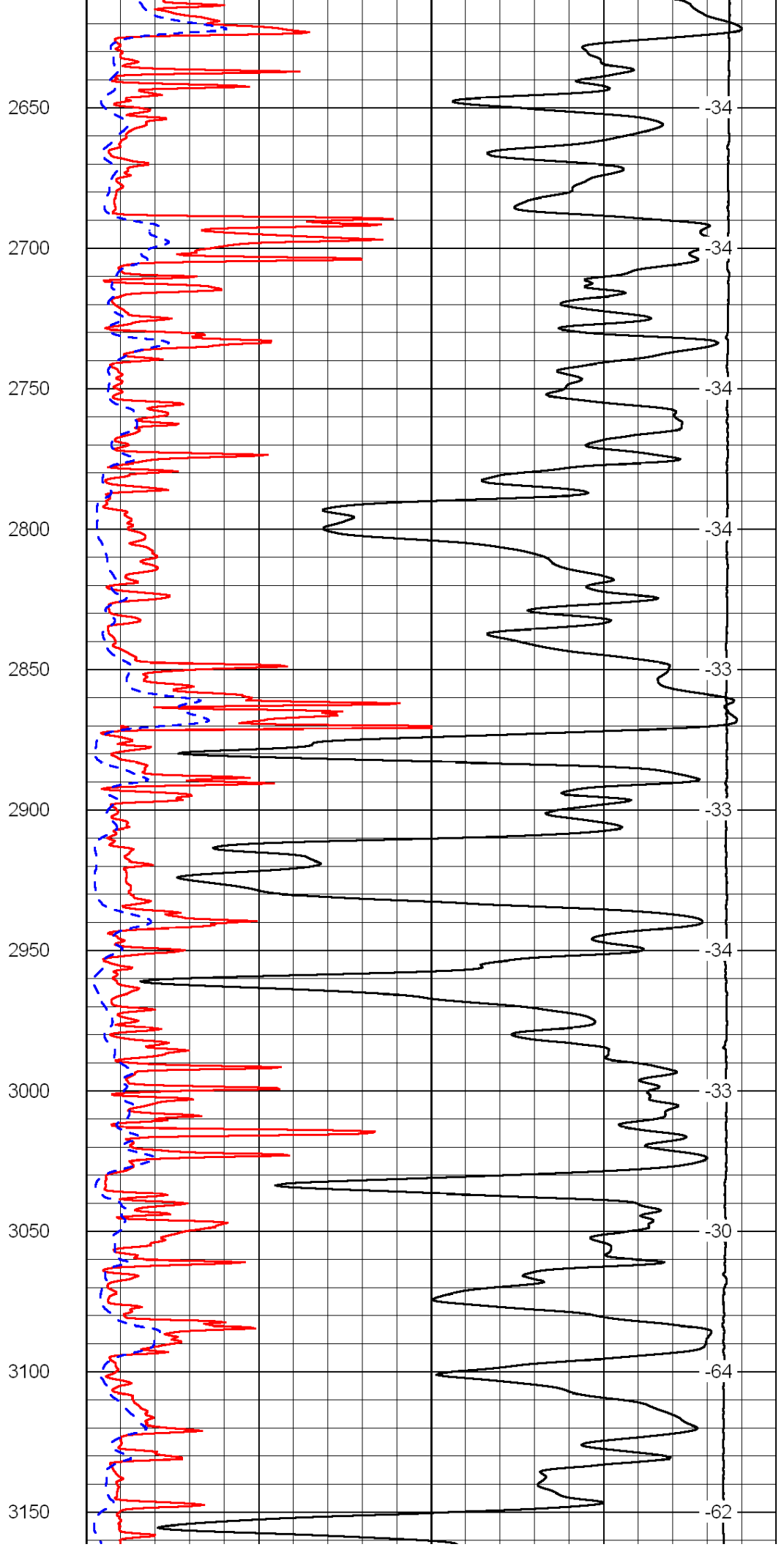
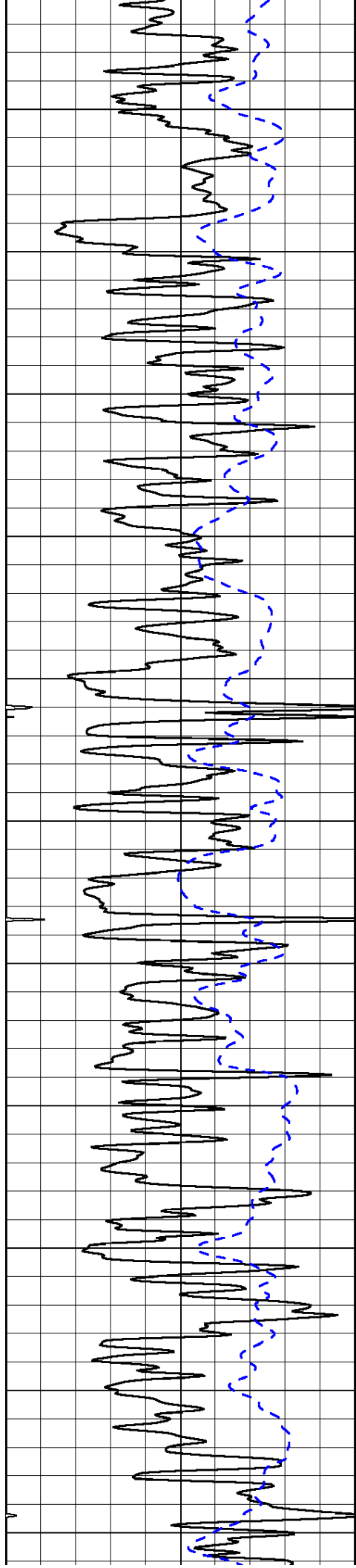
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-68

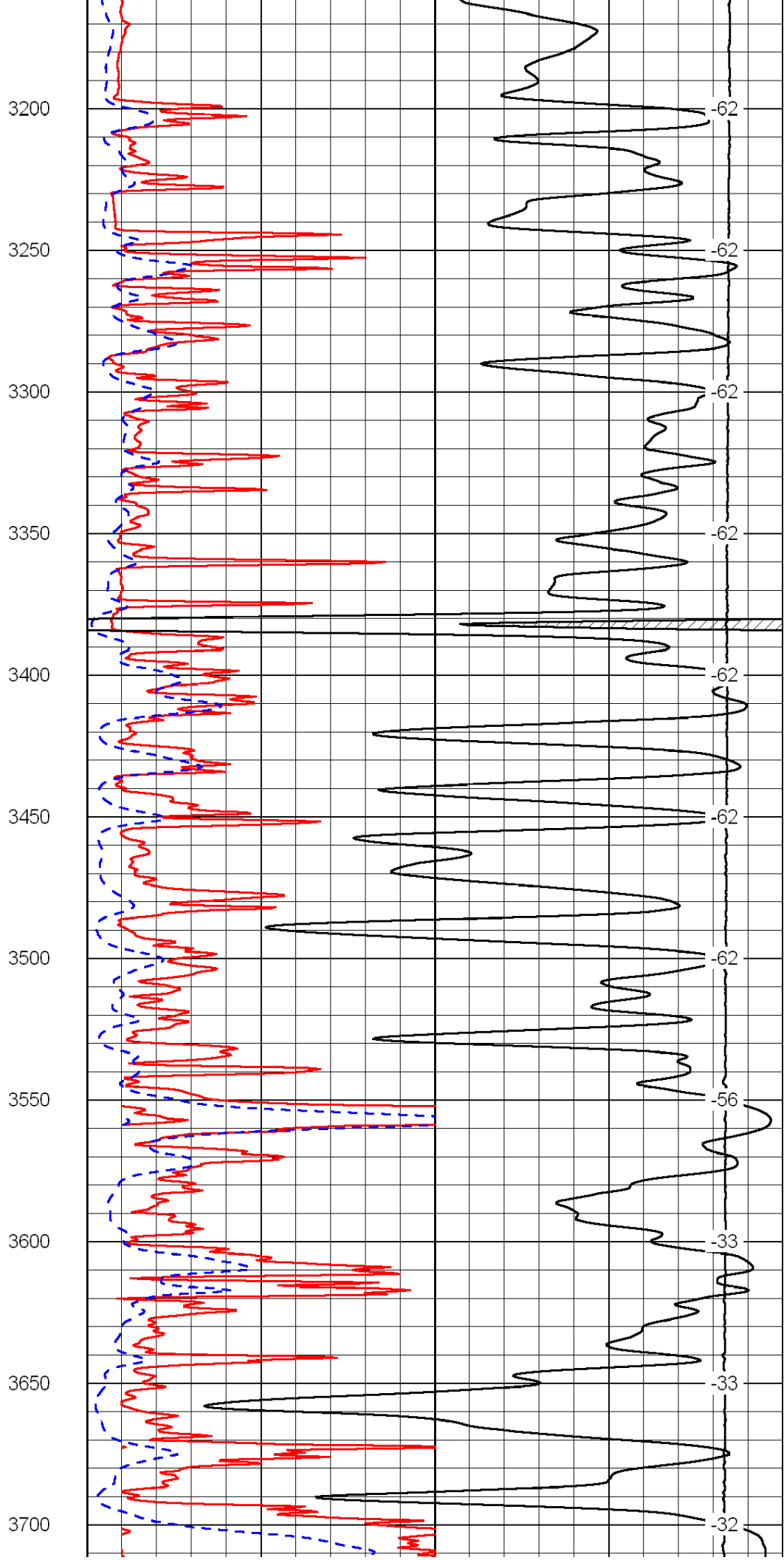
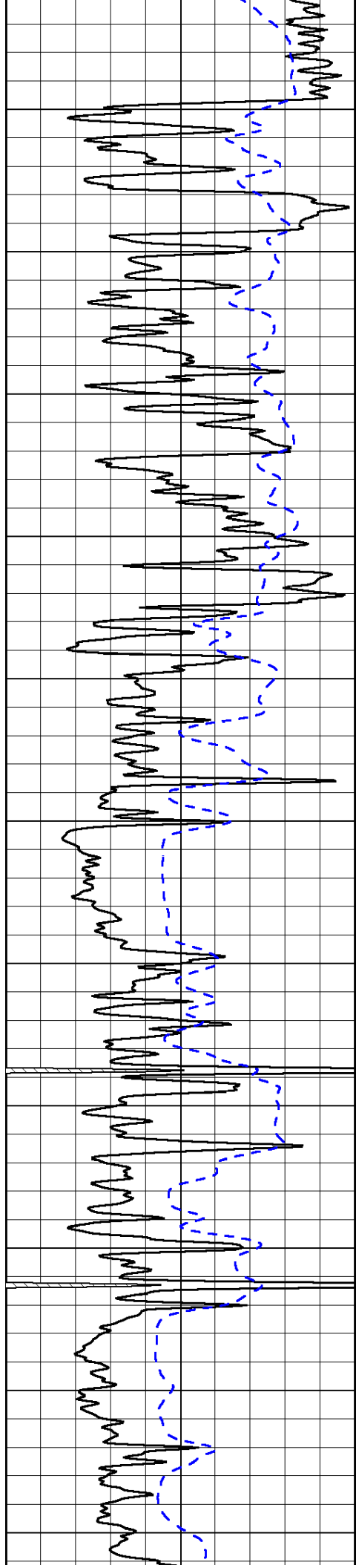


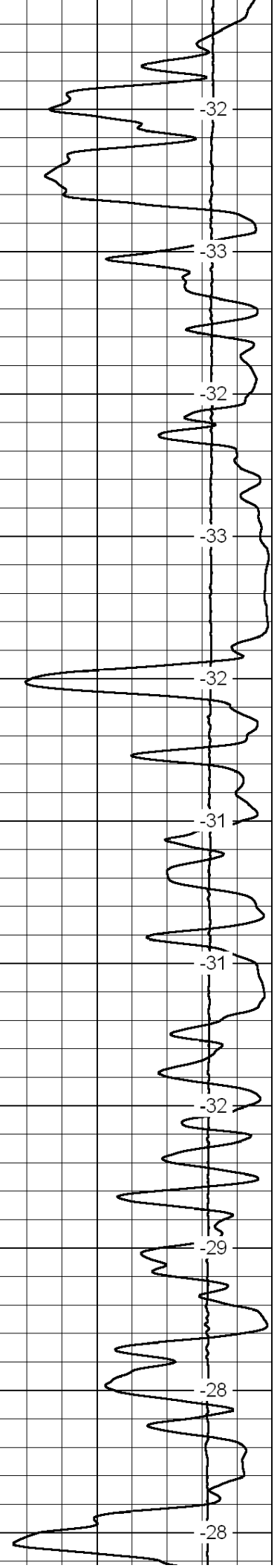
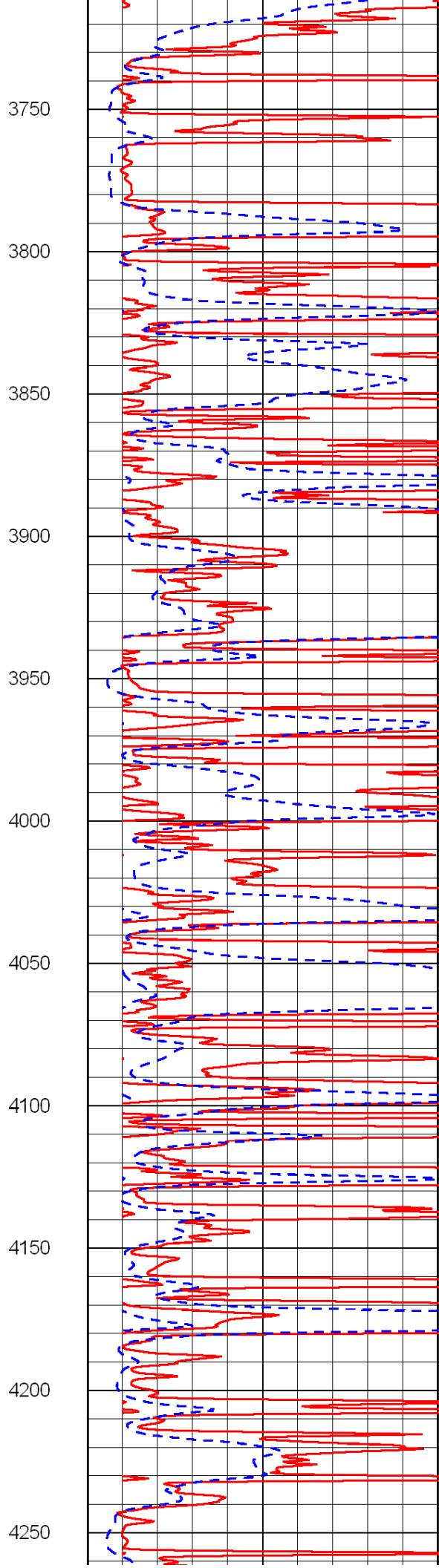
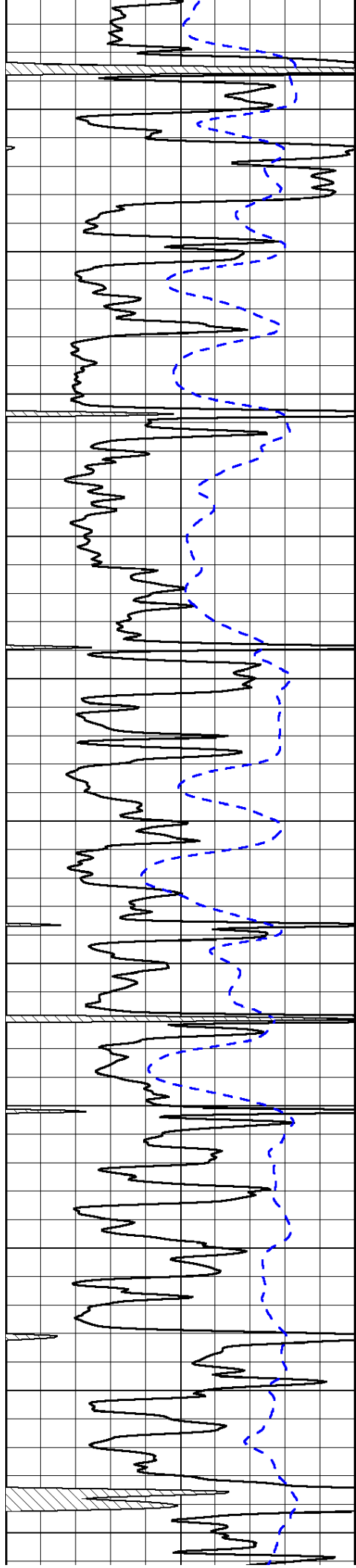


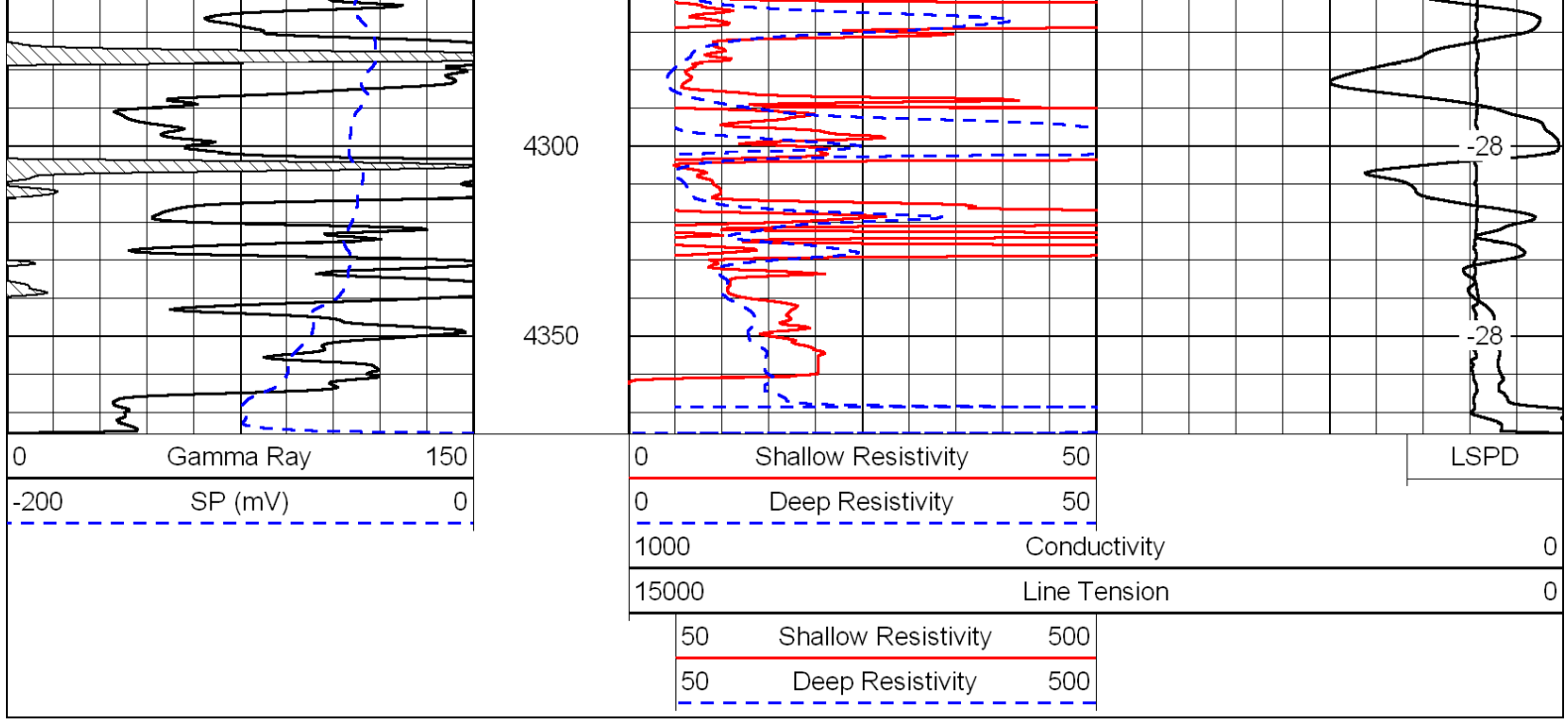




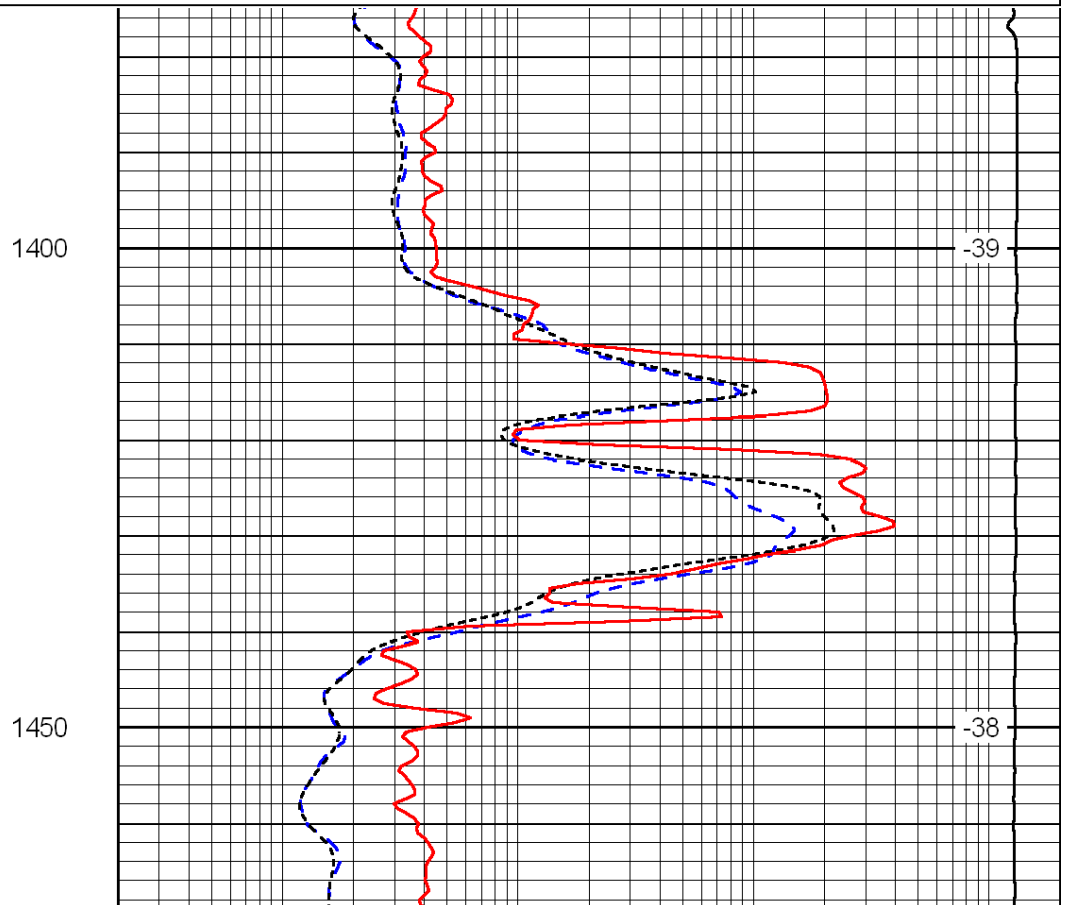
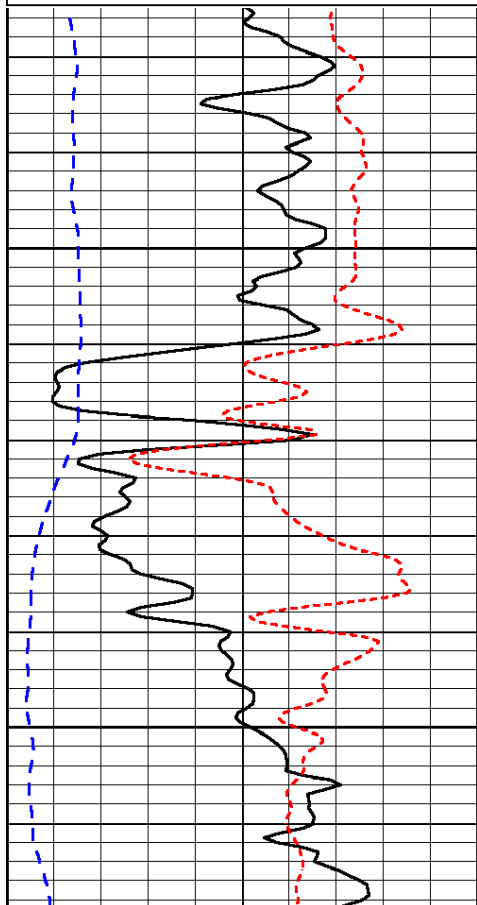
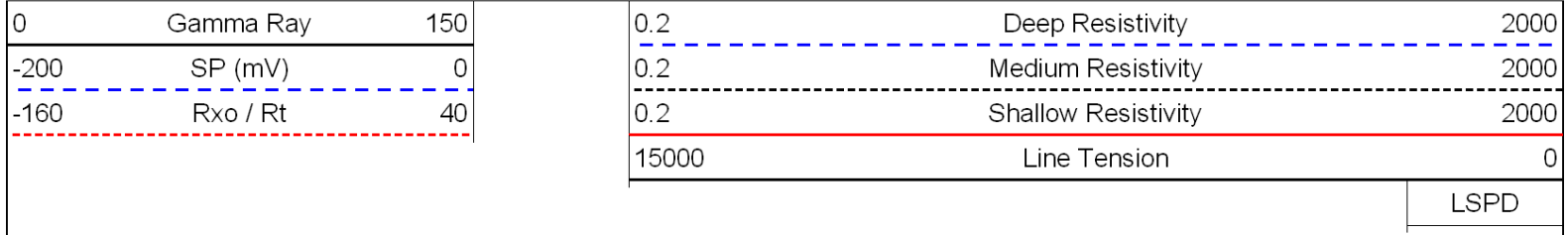


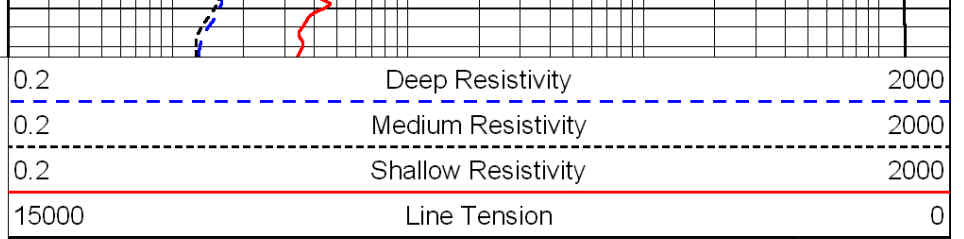
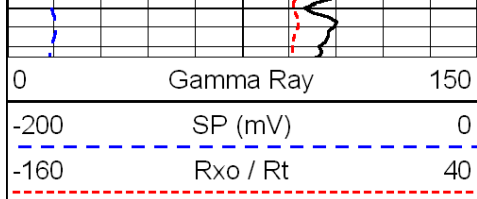






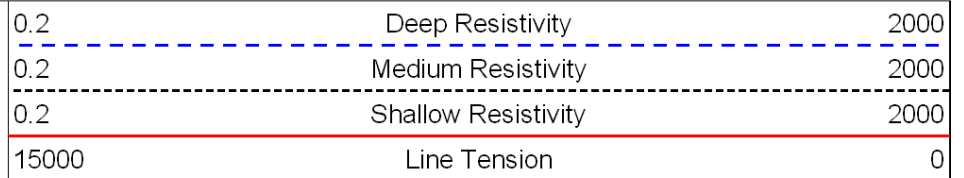
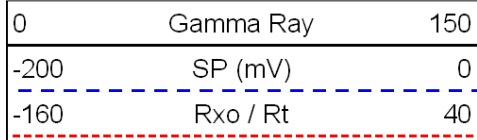
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 Presentation Format: dil
 Dataset Creation: Fri Feb 25 17:15:14 2011
 Charted by: Depth in Feet scaled 1:240



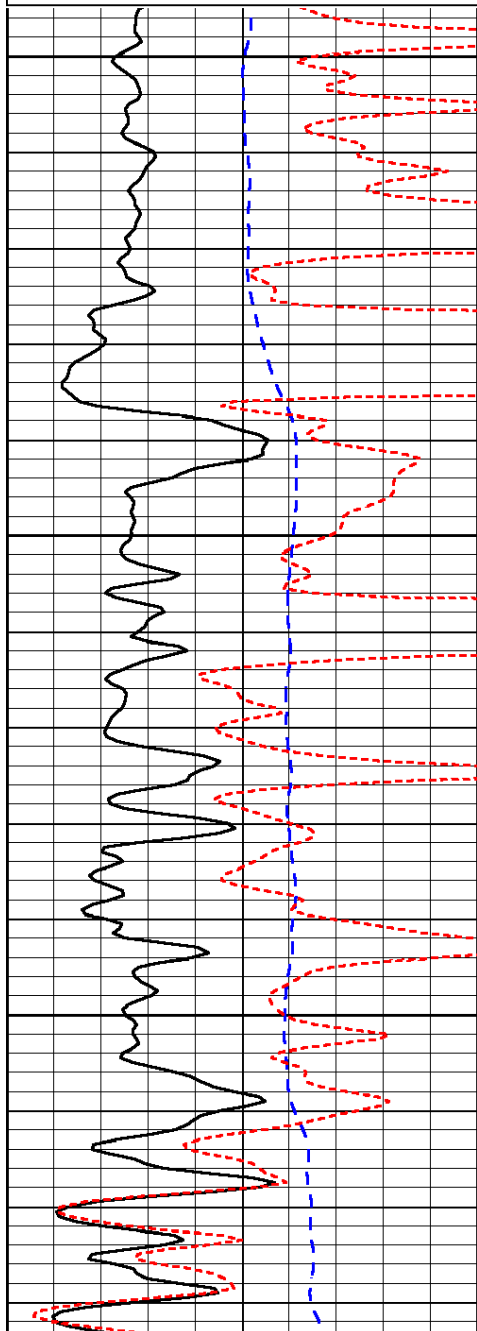


LSPD

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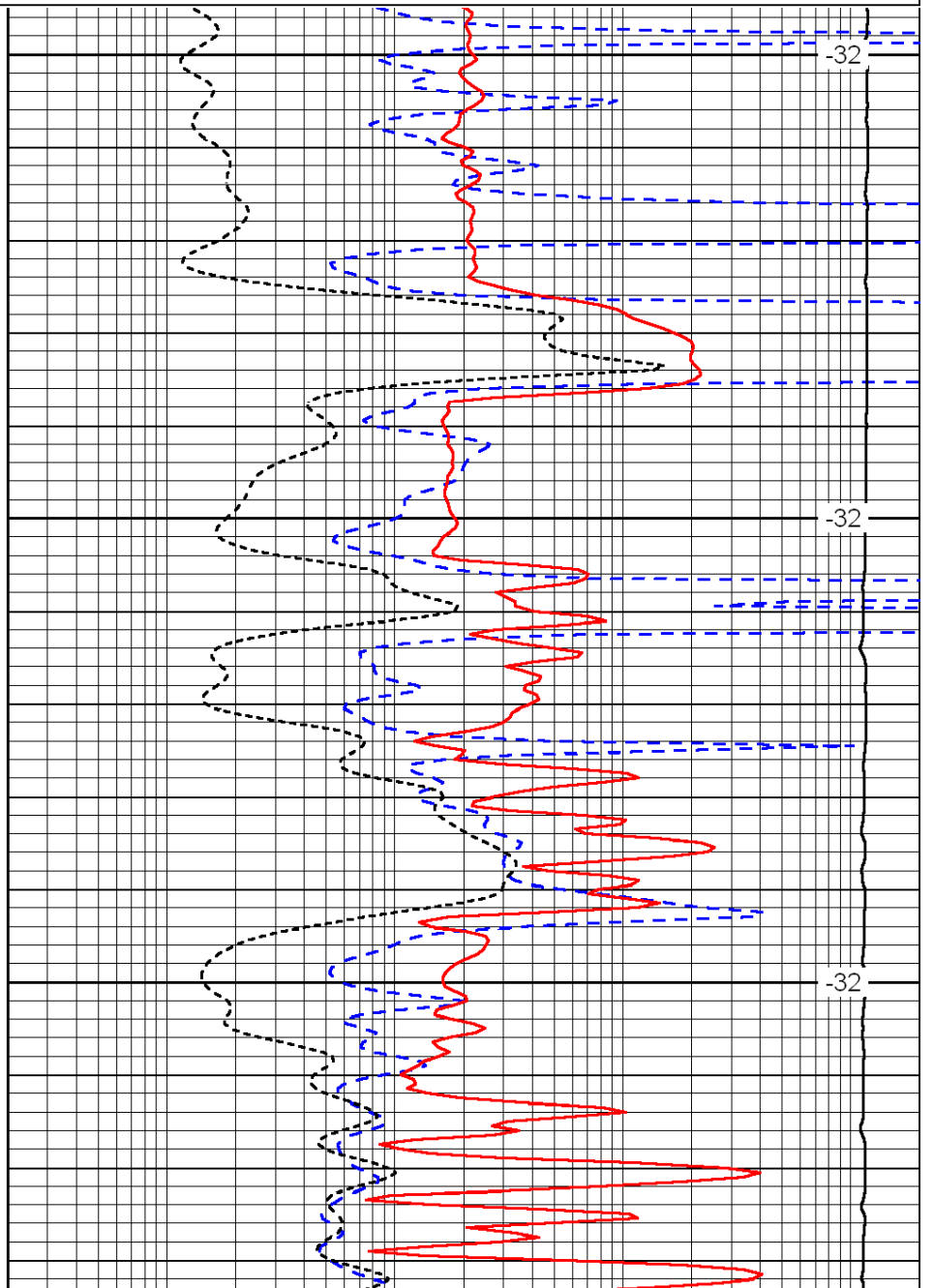
LSPD



2100

2150

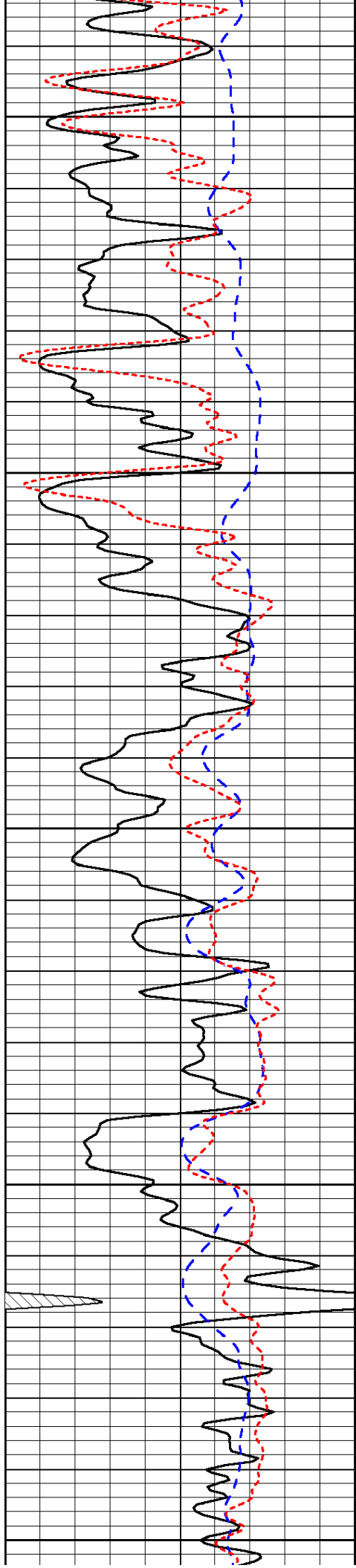
2200



-32

-32

-32



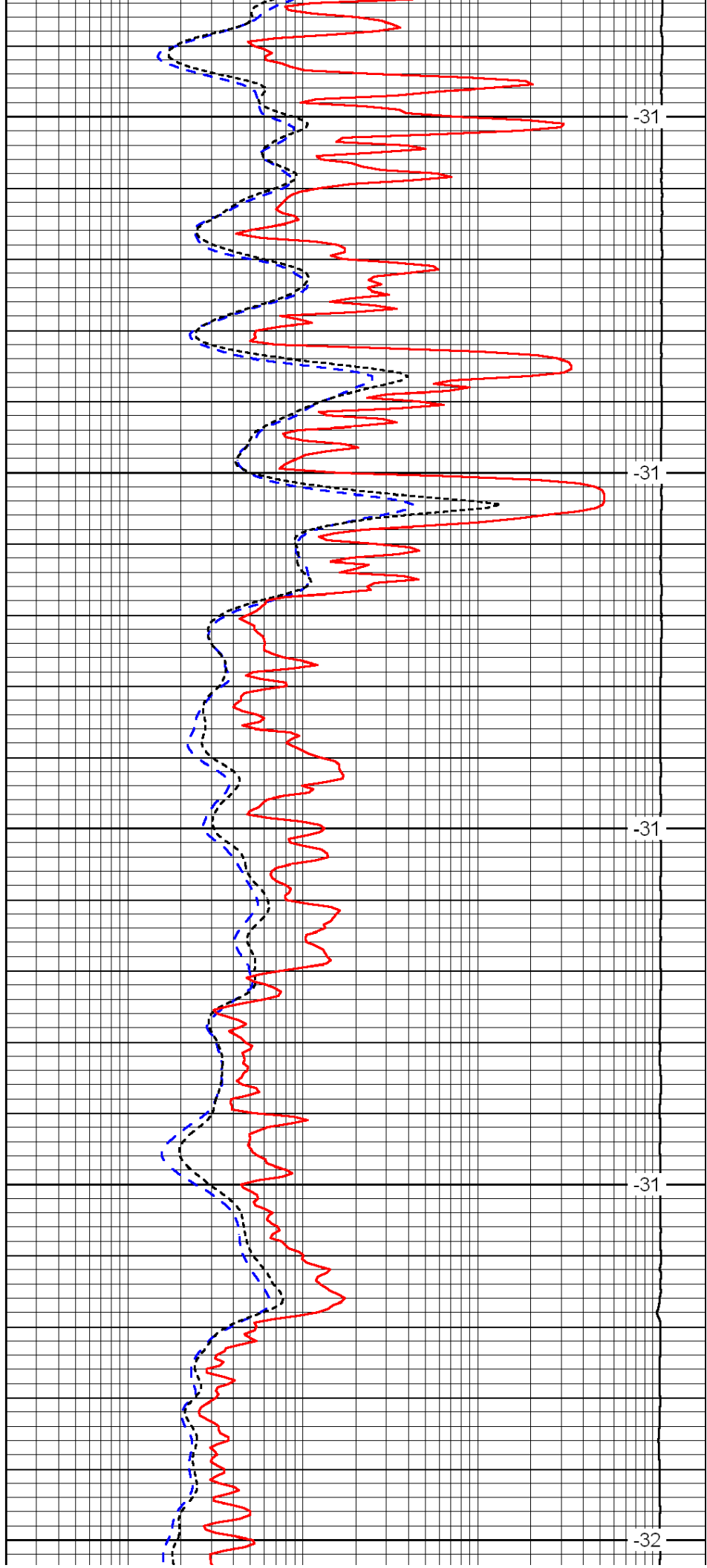
2250

2300

2350

2400

2450



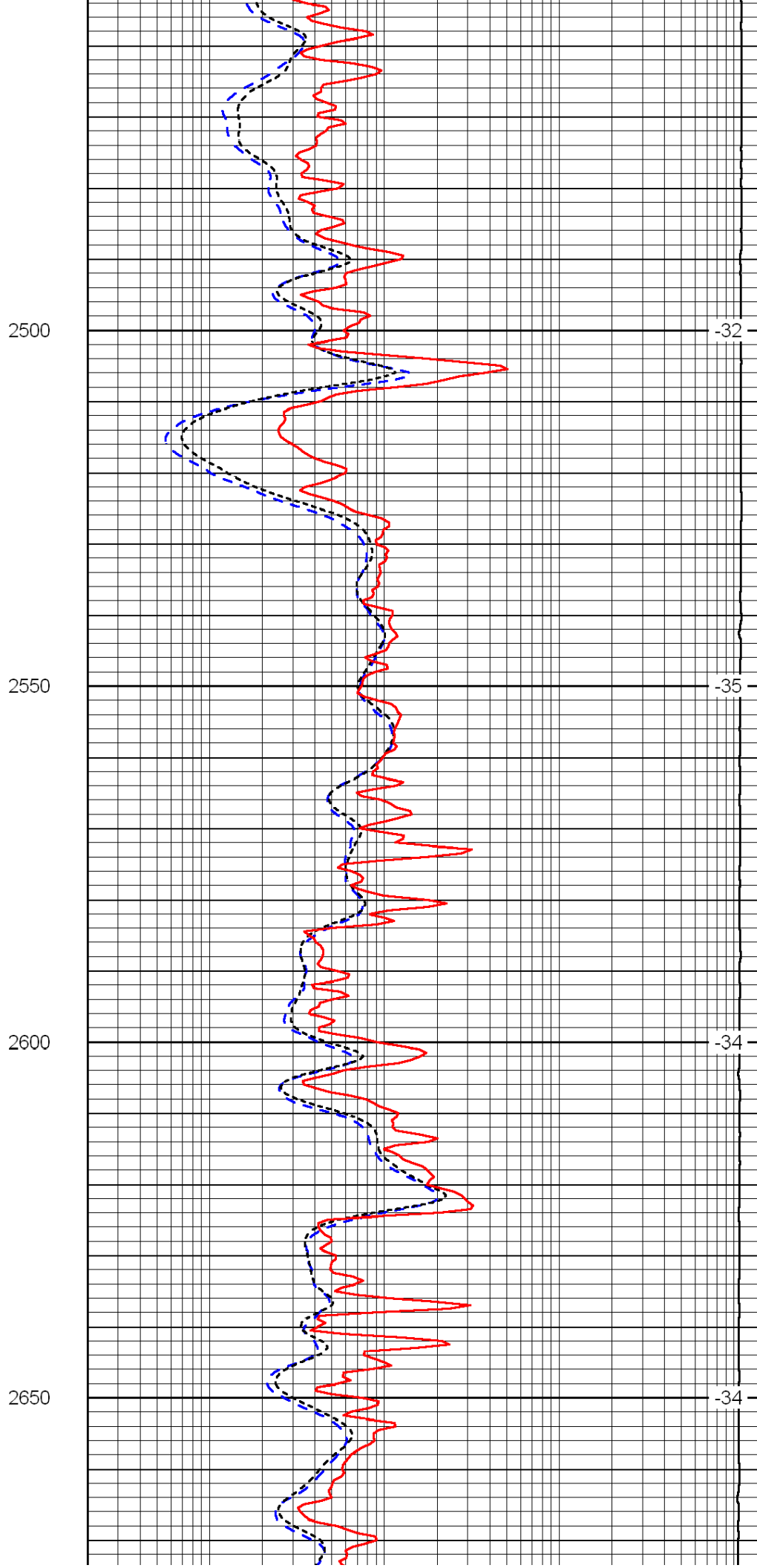
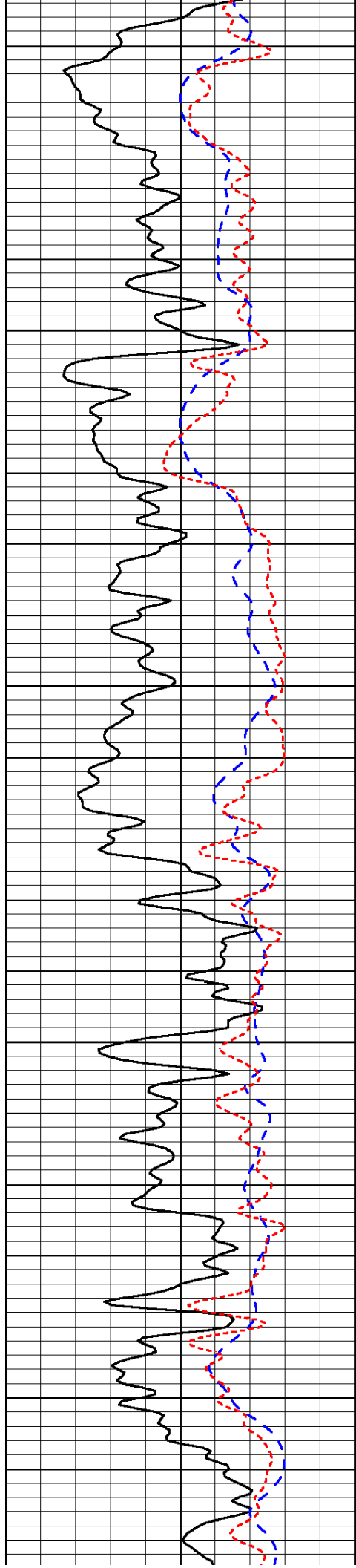
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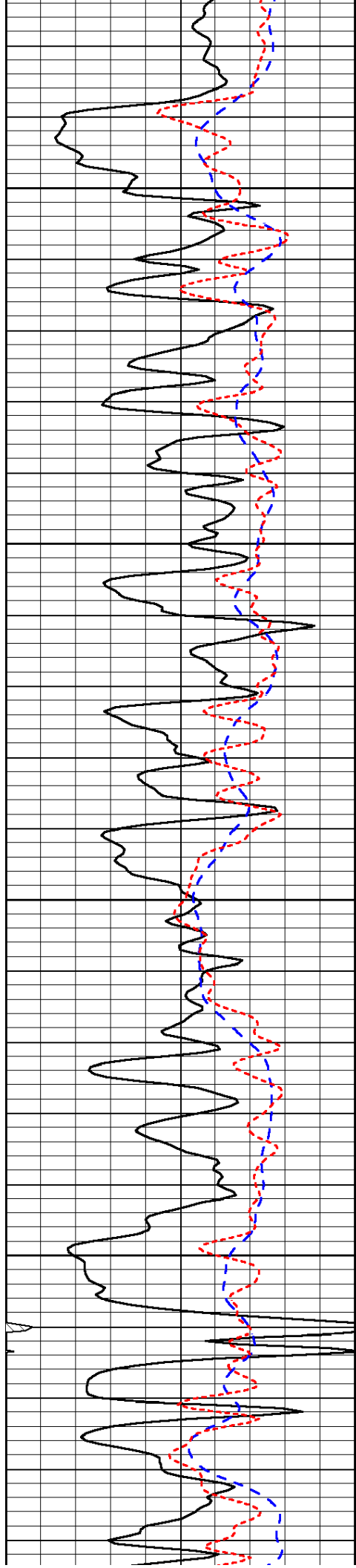
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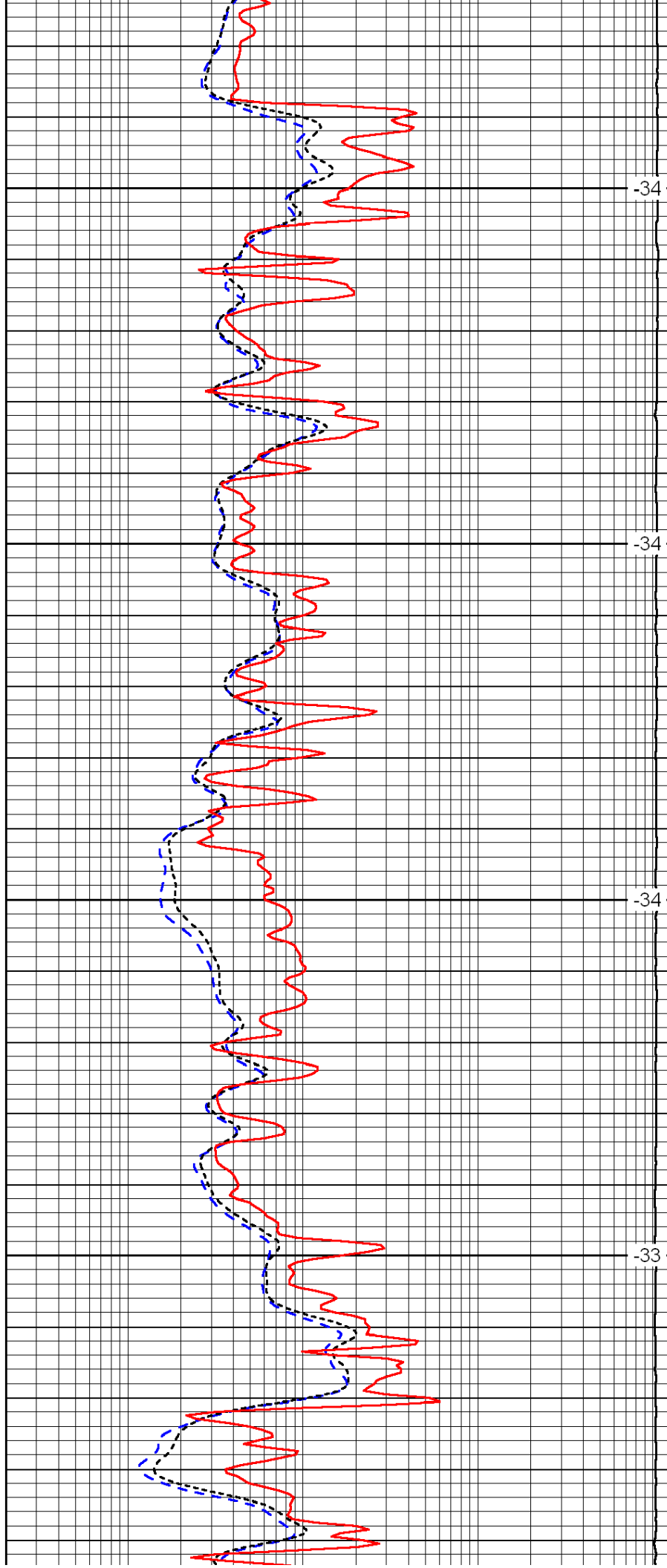


2700

2750

2800

2850

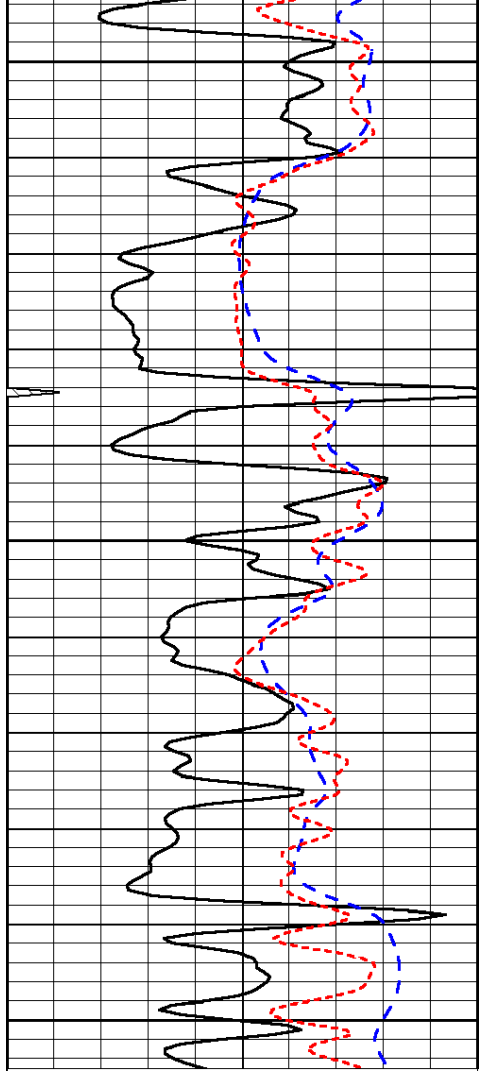


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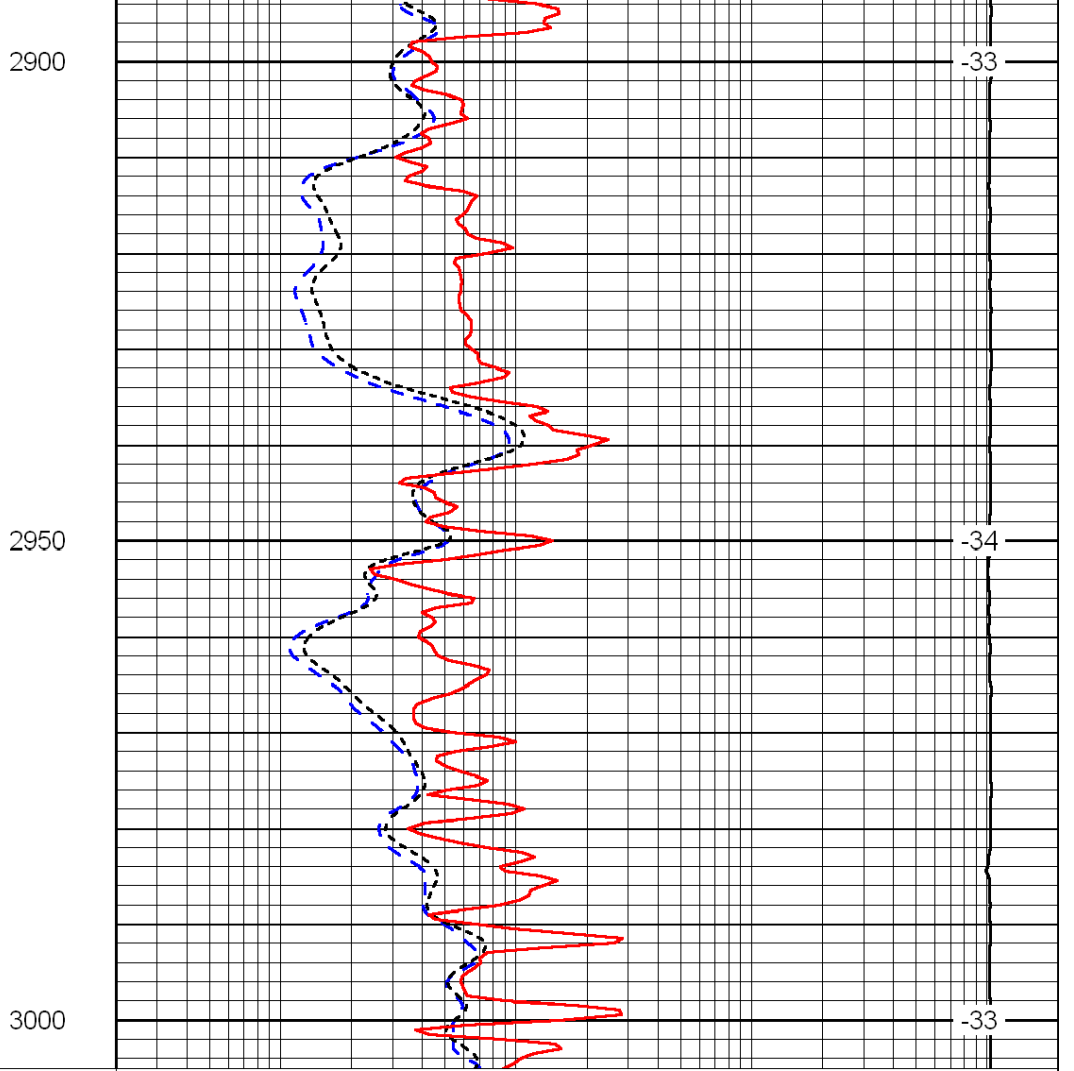
-34

-34

-33



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

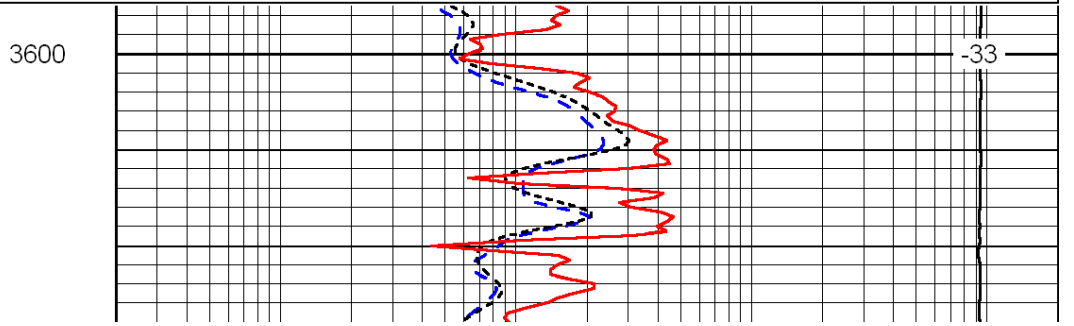
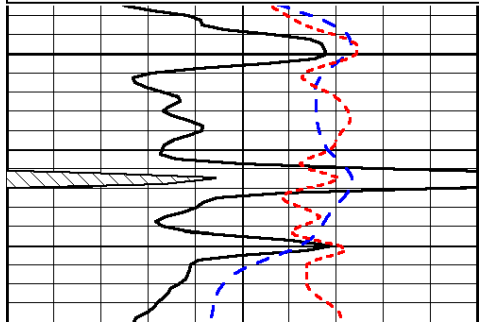
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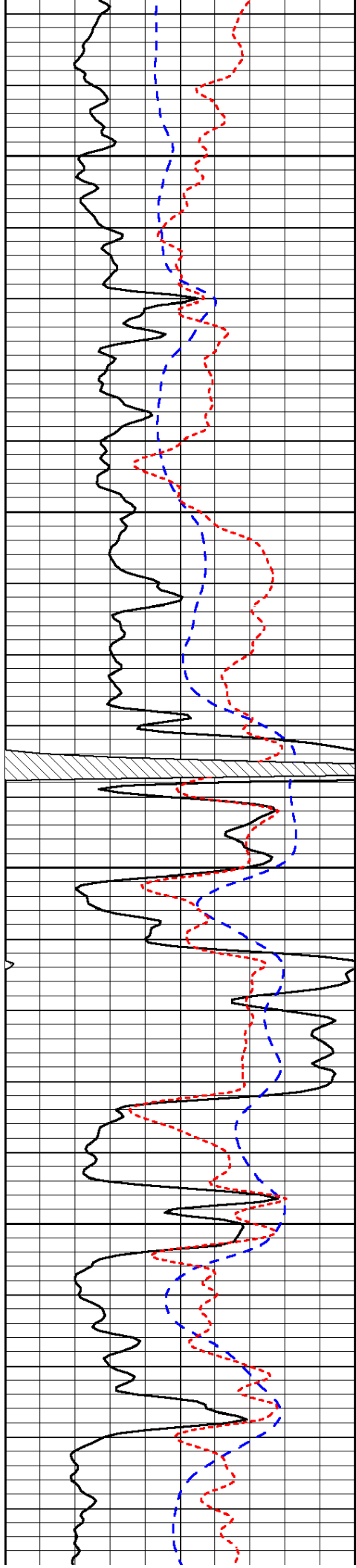
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD



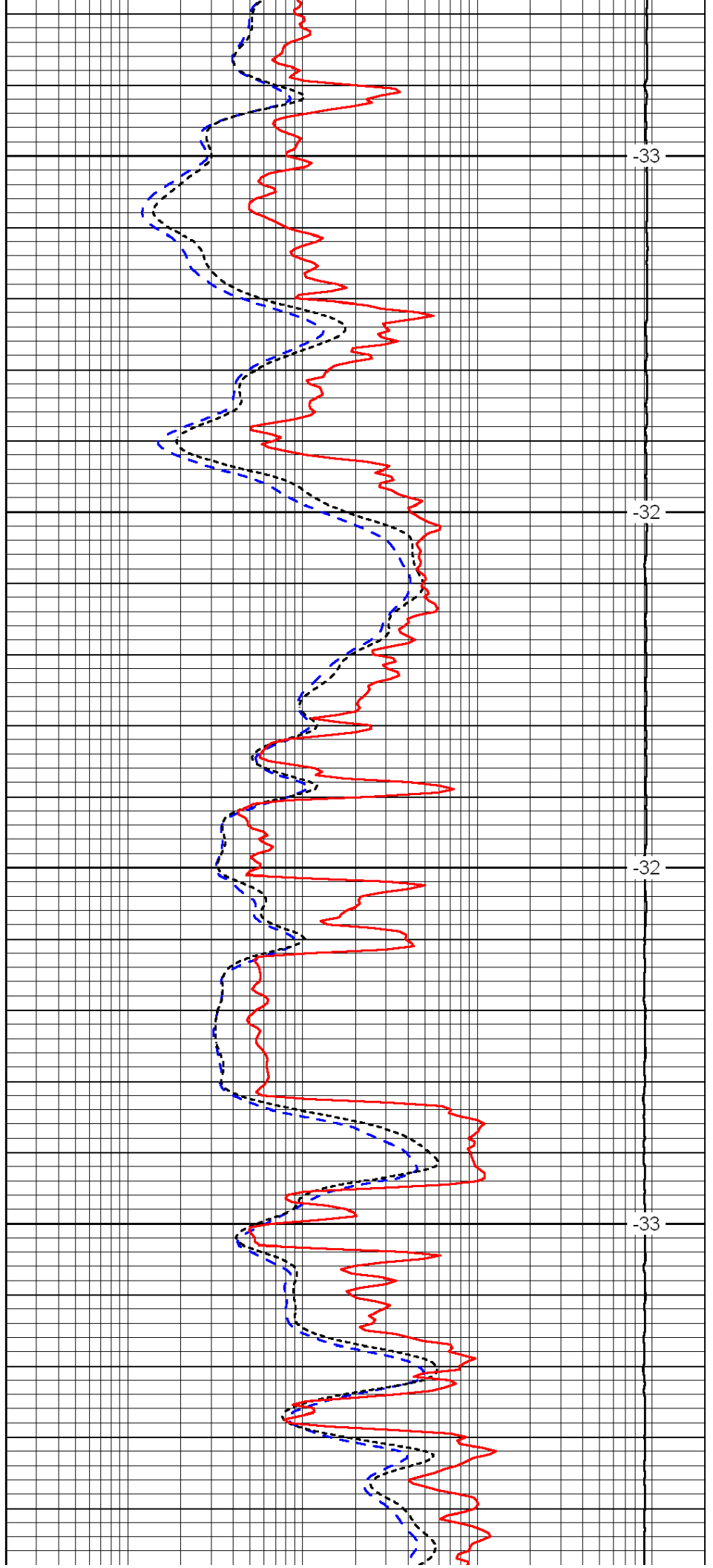


3650

3700

3750

3800

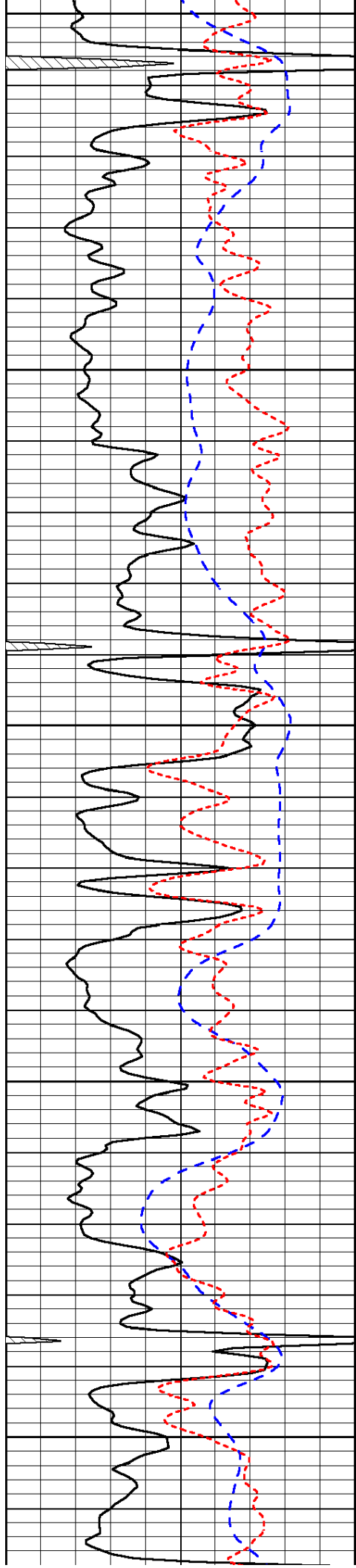


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-32

-33



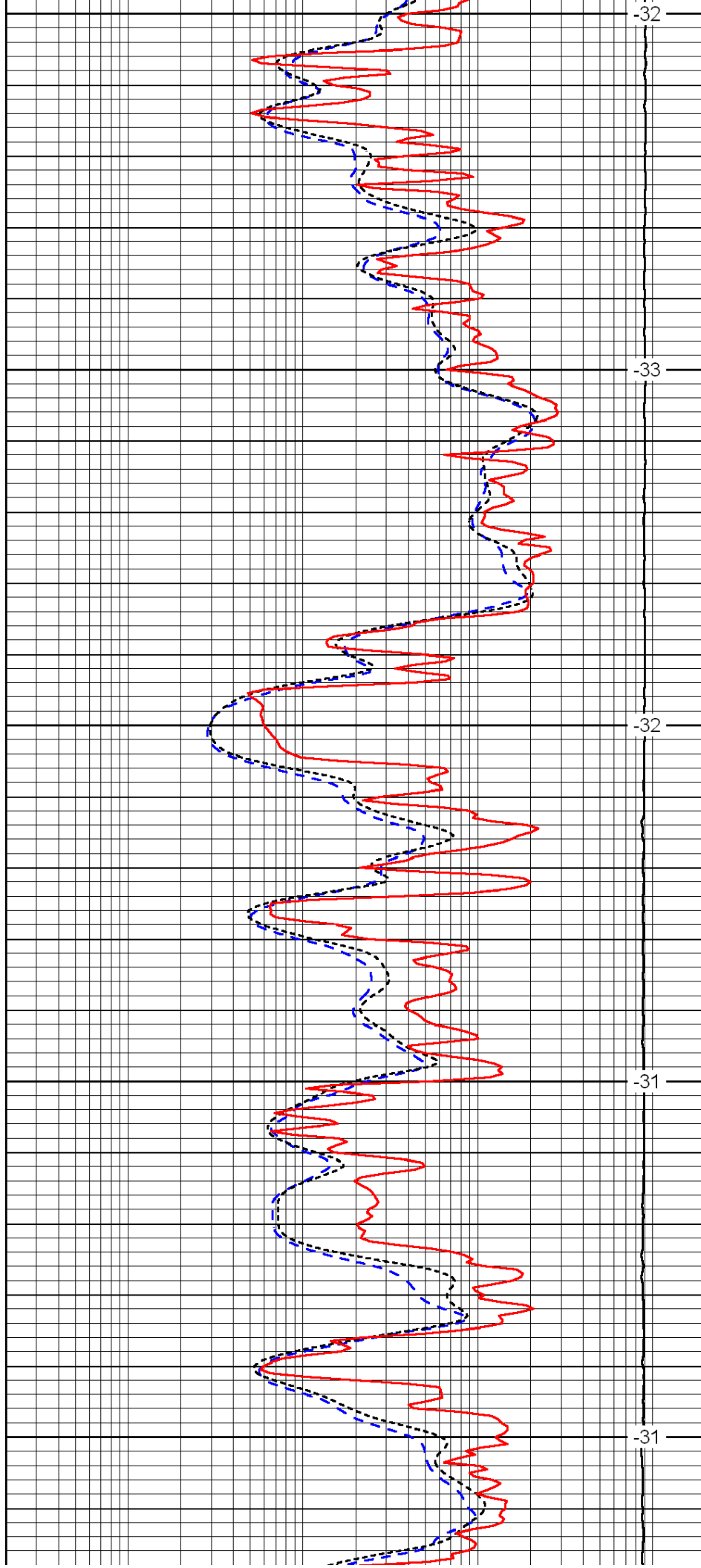
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3900

3950

4000

4050



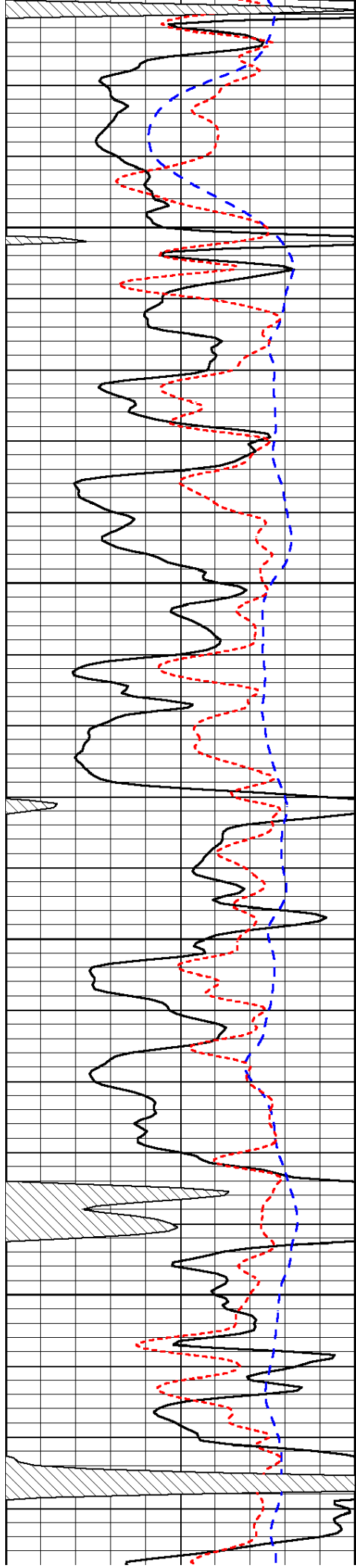
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-32

-31

-31

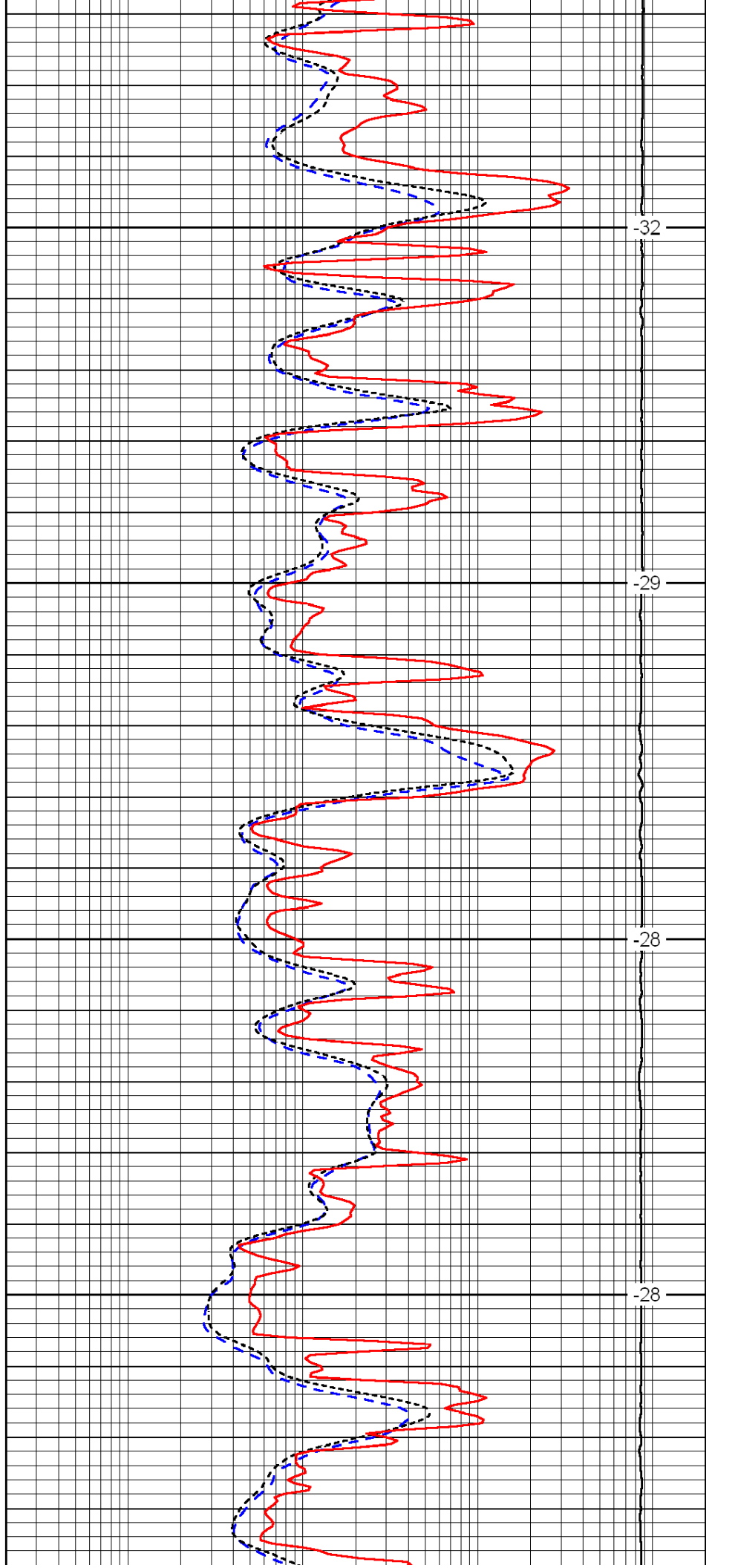


4100

4150

4200

4250

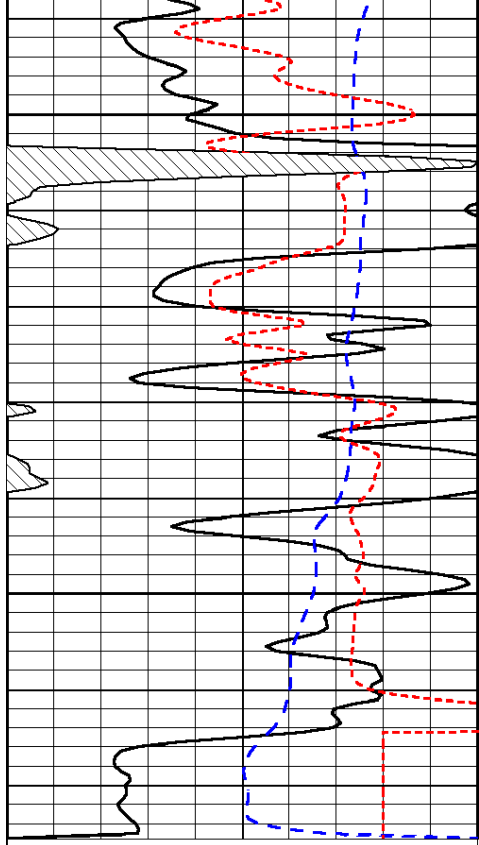


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-29

-28

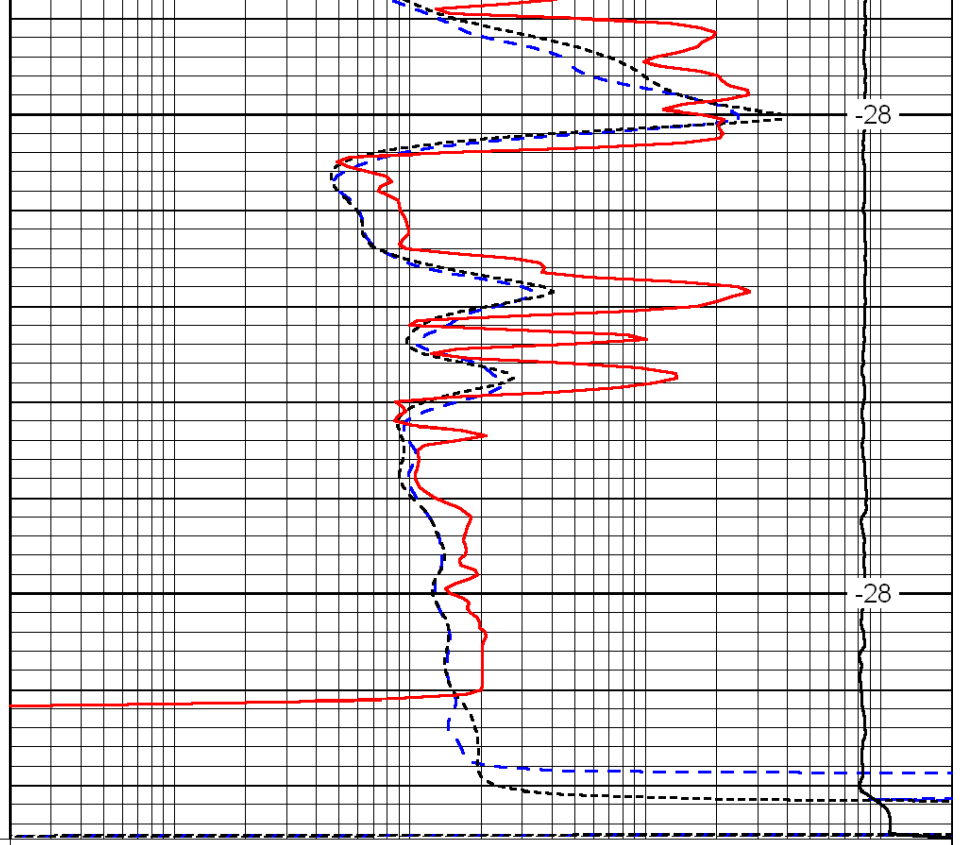
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0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

4300

4350



-28

-28

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

LSPD