



# Dual Induction Log

**DIGITAL LOG** (785) 625-3858

API No.	15-009-25,405-00-00	
Company	RAMA Operating Company, Inc.	
Well	Grant No. 7-4	
Field	Chase-Silica	
County	Barton	State Kansas
Location	NW NE SE SW 1297' FSL & 2123' FWL	
Sec: 4	Twp: 20 S	Rge: 11 W
Other Services	CNL/CDL MEL/BHCS	

Permanent Datum	Ground Level	Elevation 1771
Log Measured From	Kelly Bushing	12 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	4/7/2010	
Run Number	One	
Depth Driller	3400	
Depth Logger	3399	
Bottom Logged Interval	3398	
Top Log Interval	300	
Casing Driller	8.625 @ 312	
Casing Logger	311	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	10,000	
Density / Viscosity	9.1	48
pH / Fluid Loss	10.0	10.4
Source of Sample	Flowline	
Rm @ Meas. Temp	.4	@ 60
Rmf @ Meas. Temp	.3	@ 60
Rmc @ Meas. Temp	.54	@ 60
Source of Rmf / Rmc	Charts	
Rm @ BHT	.21	@ 112
Operating Rig Time	5 Hours	
Max Rec. Temp. F	112	
Equipment Number	007	
Location	Hays	
Recorded By	K. Bange	
Witnessed By	Josh Austin	

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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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Ellinwood S to 1st curve, 2 1/4 E (past farmstead), 1/2 N to 2nd TB, E into

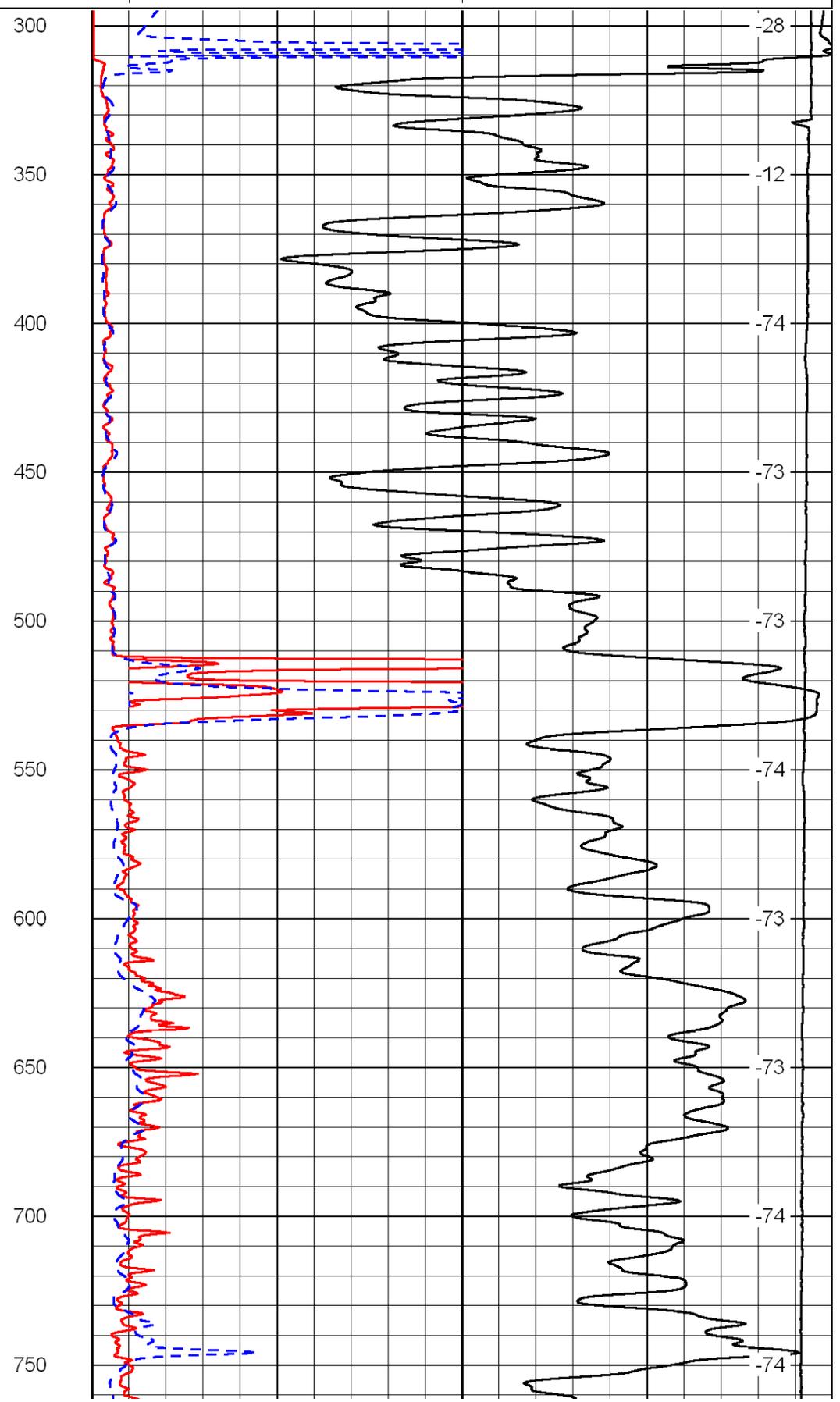
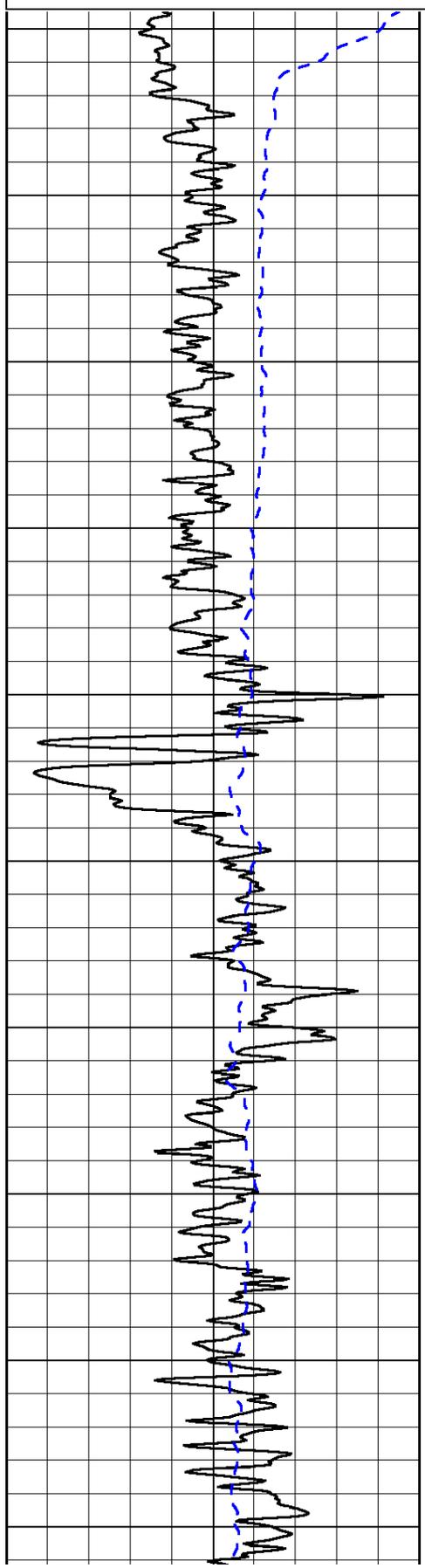
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-200	SP (mV)	0

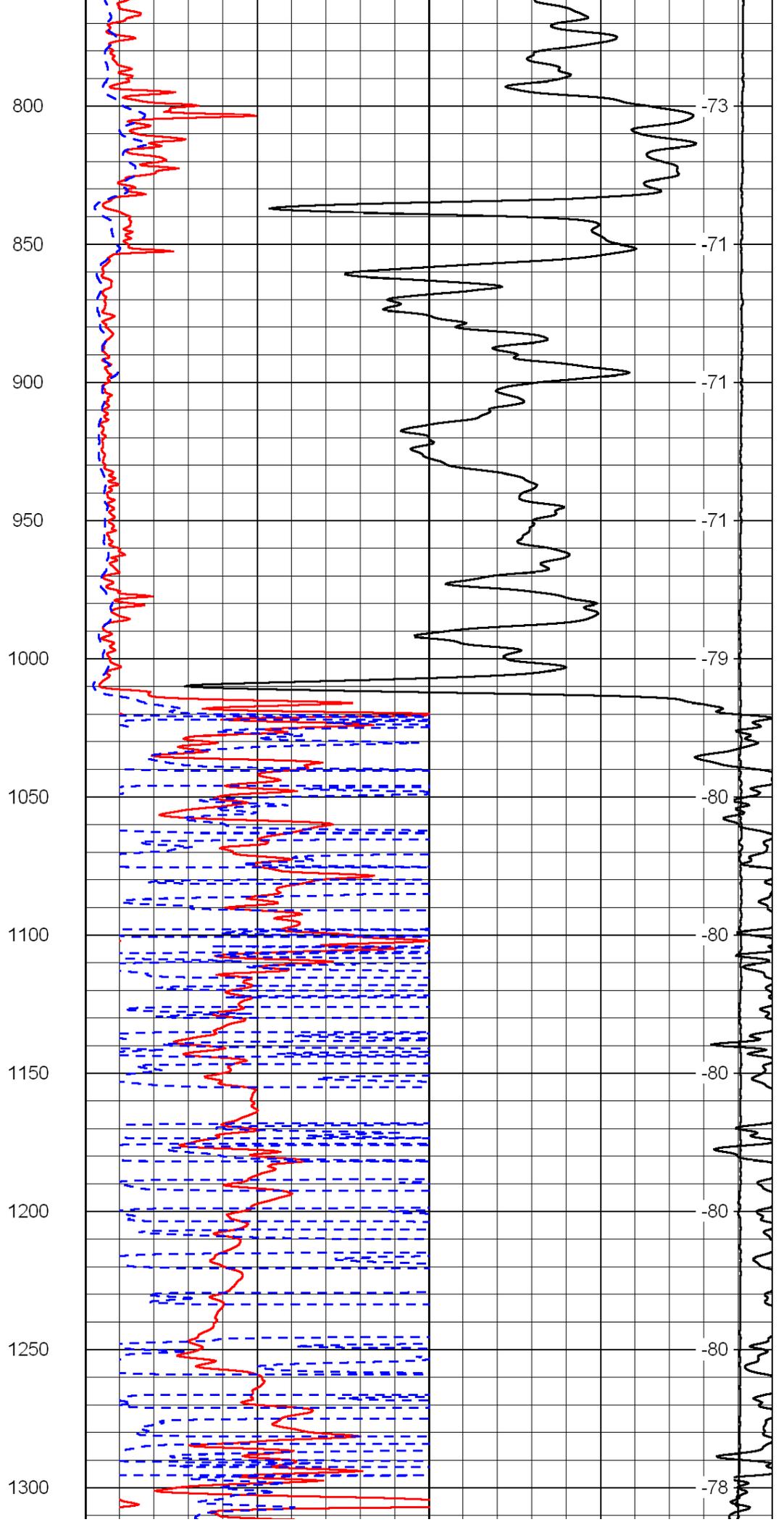
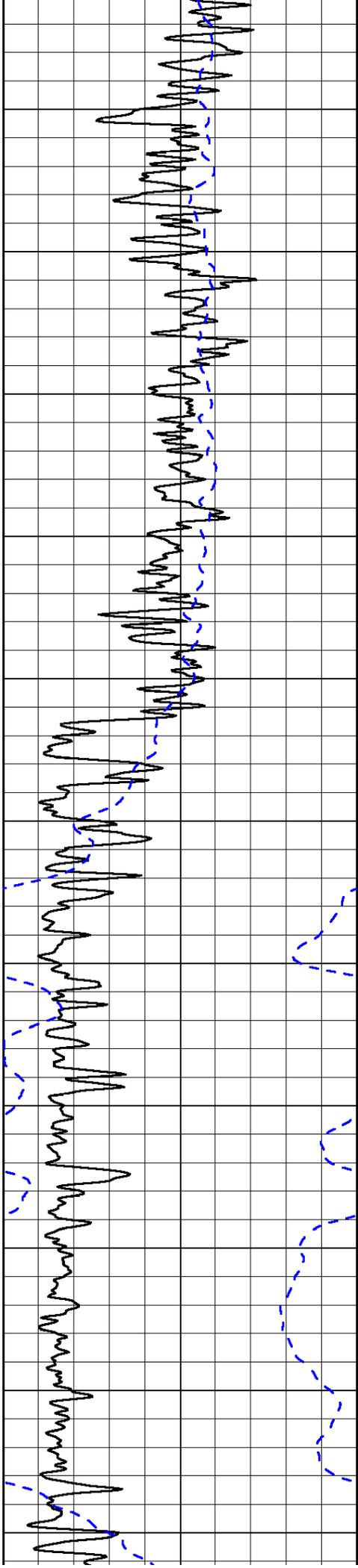
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0	Deep Resistivity	50

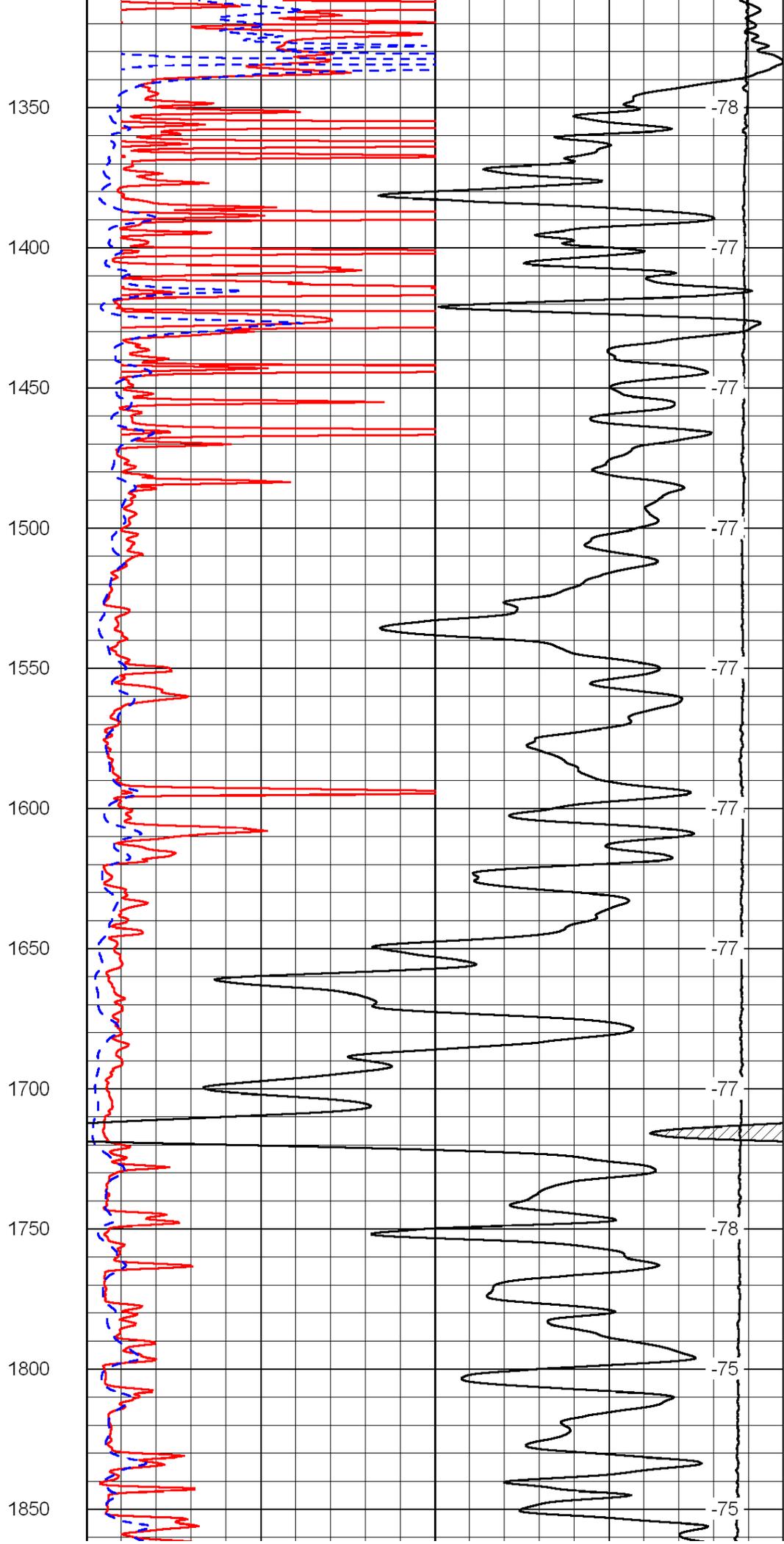
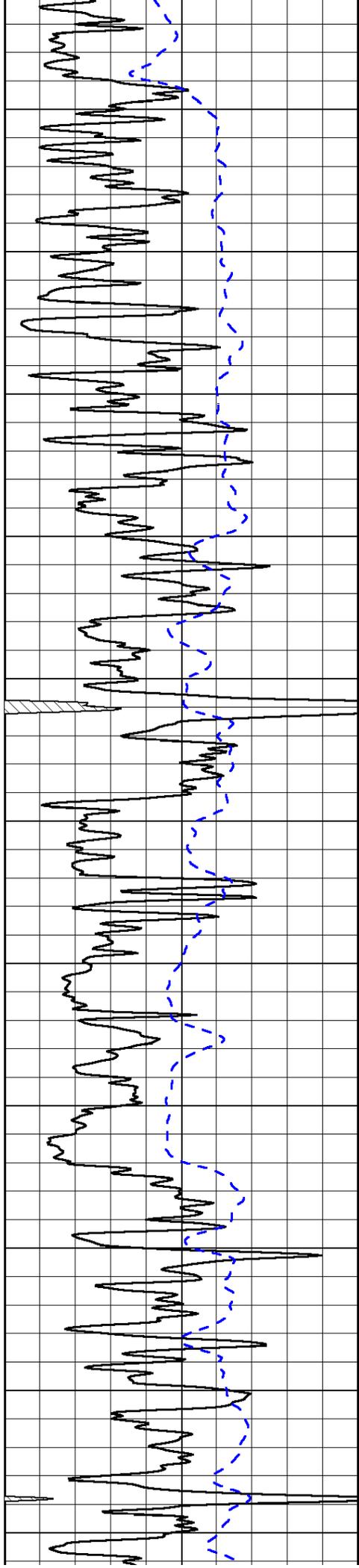
LSPD

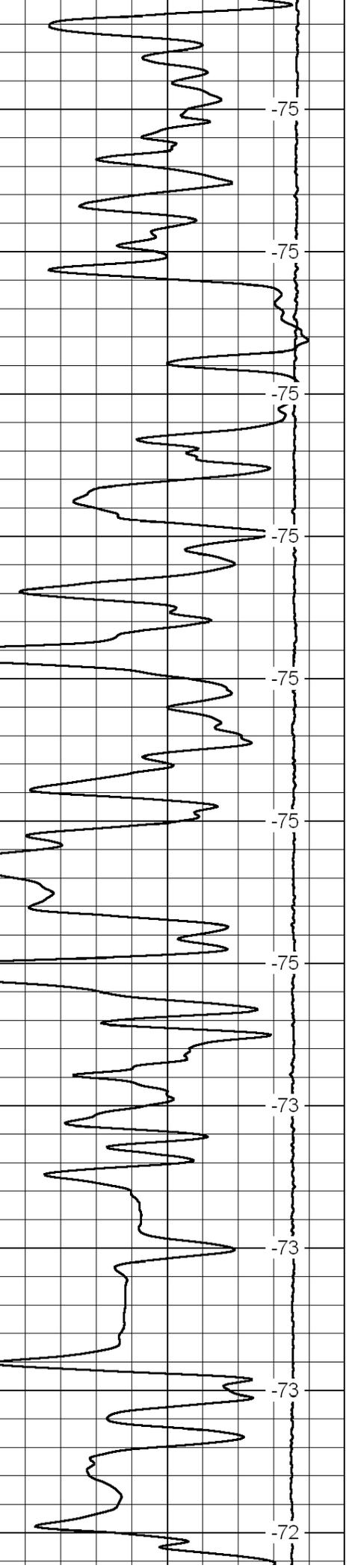
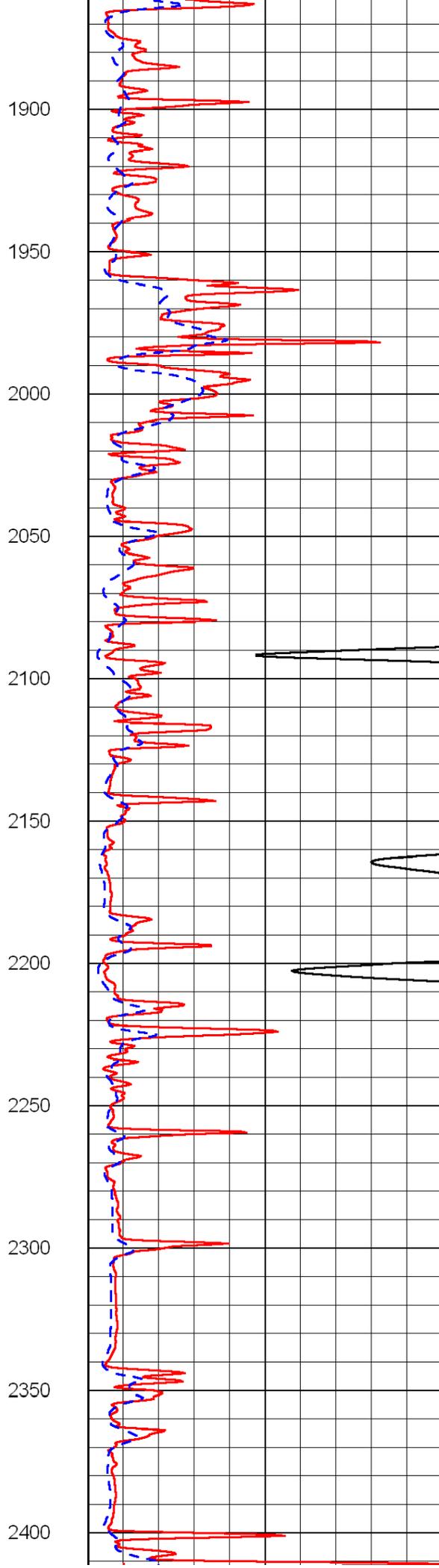
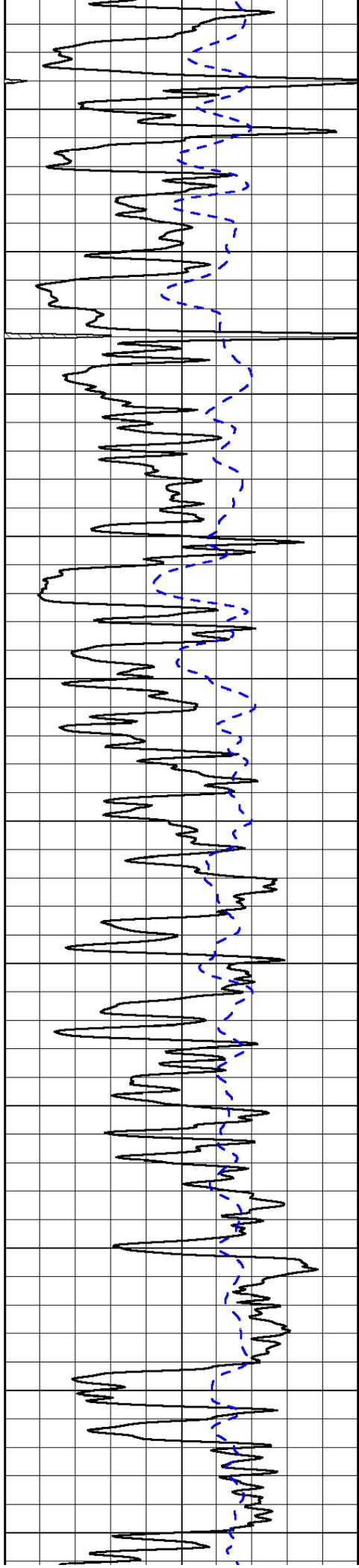
1000	Conductivity	0
15000	Line Tension	0

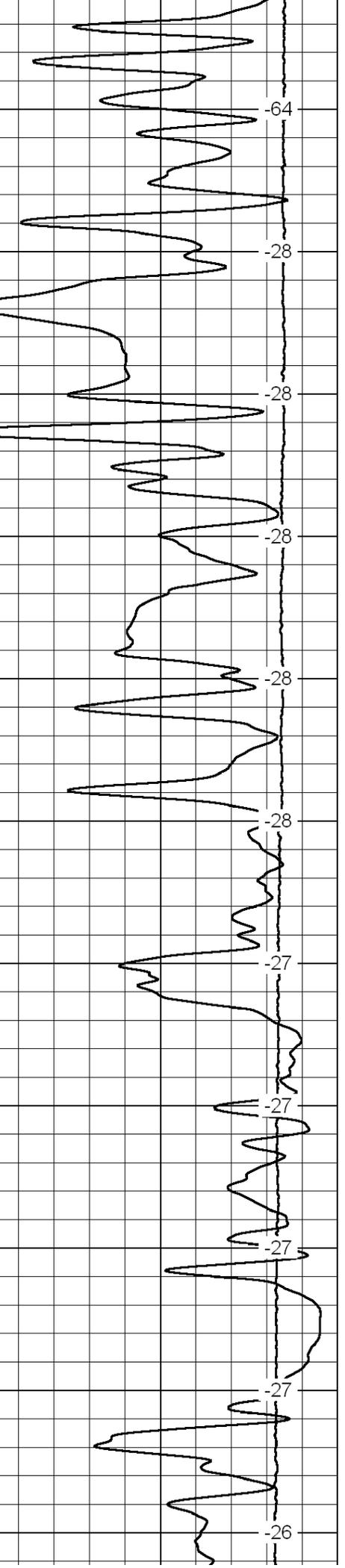
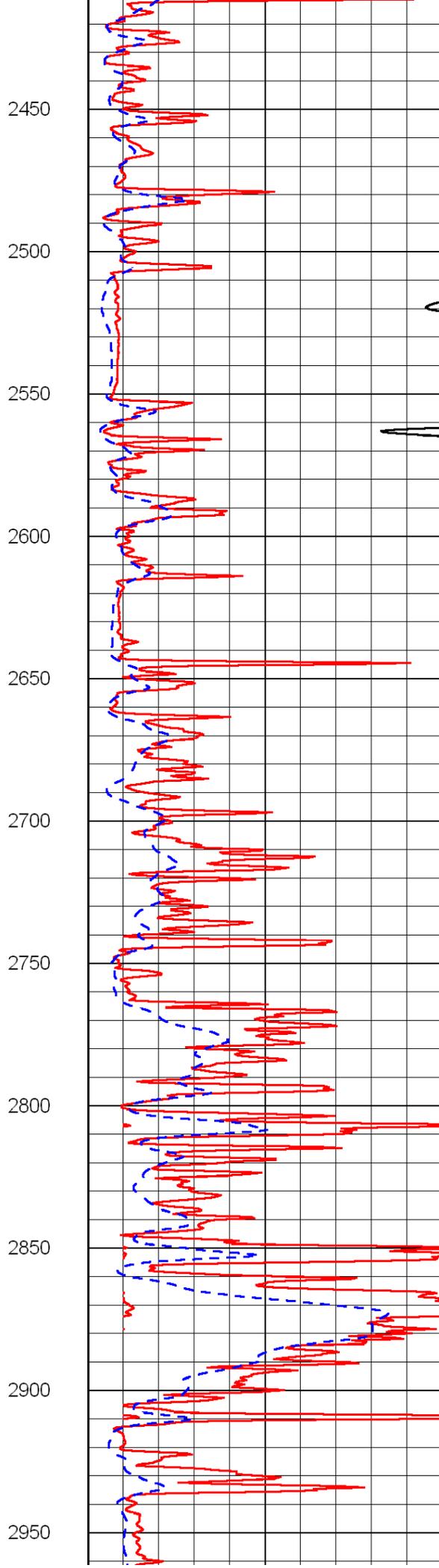
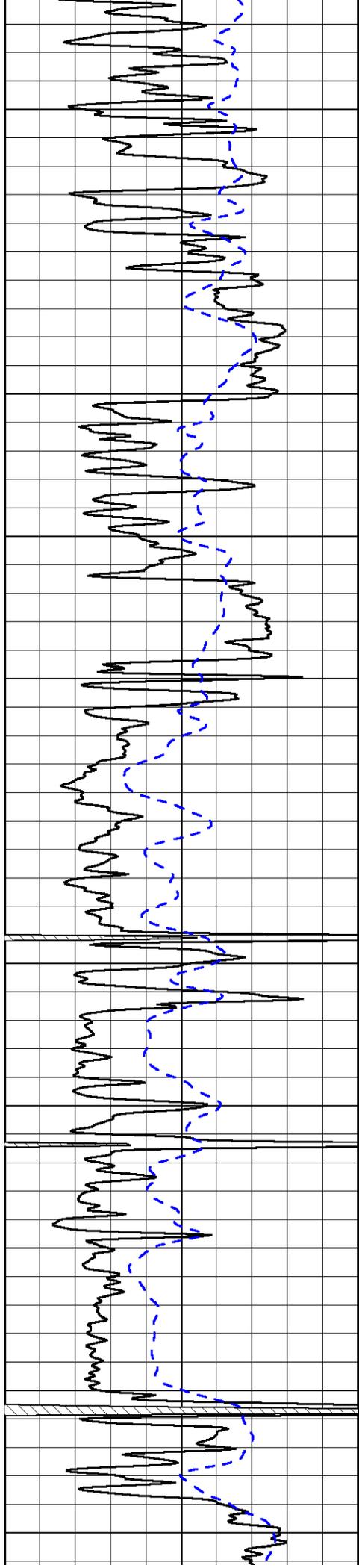
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50	Deep Resistivity	500

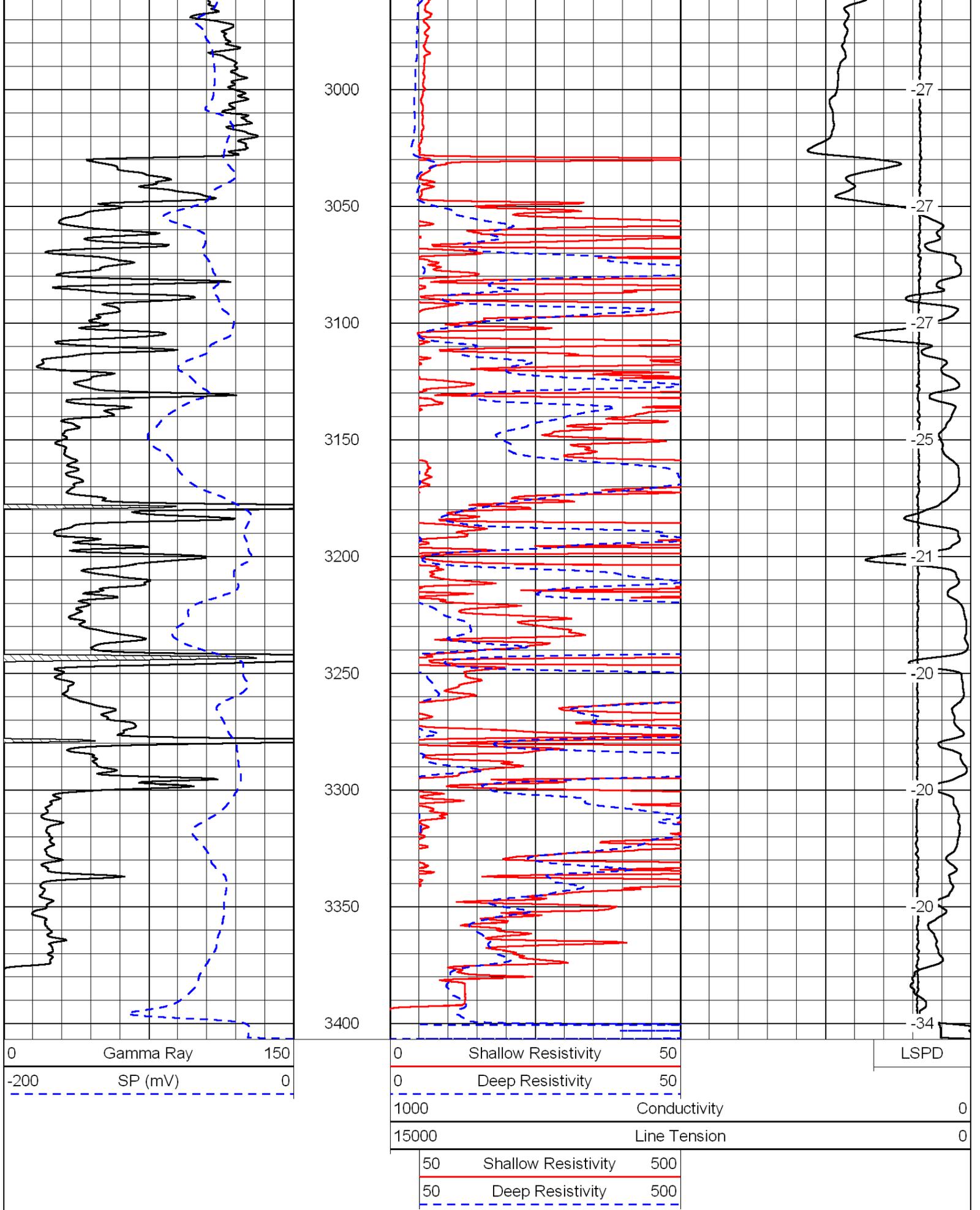










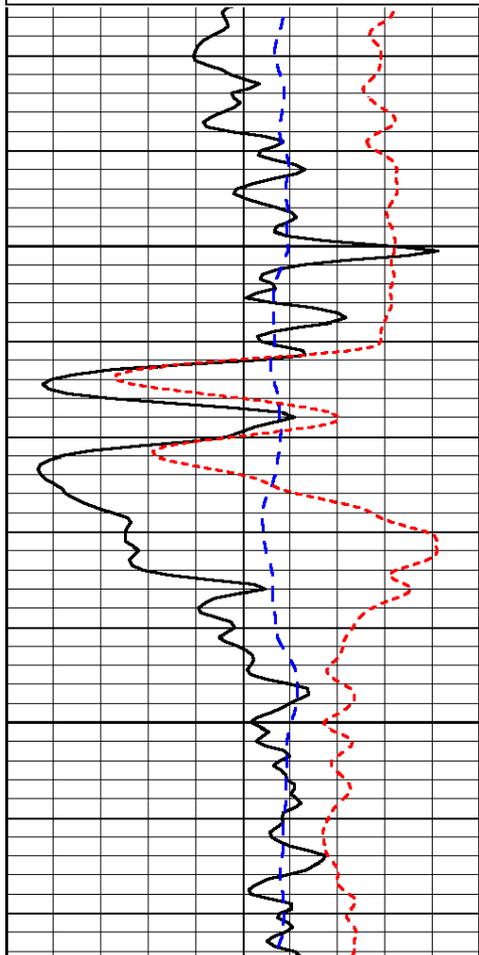


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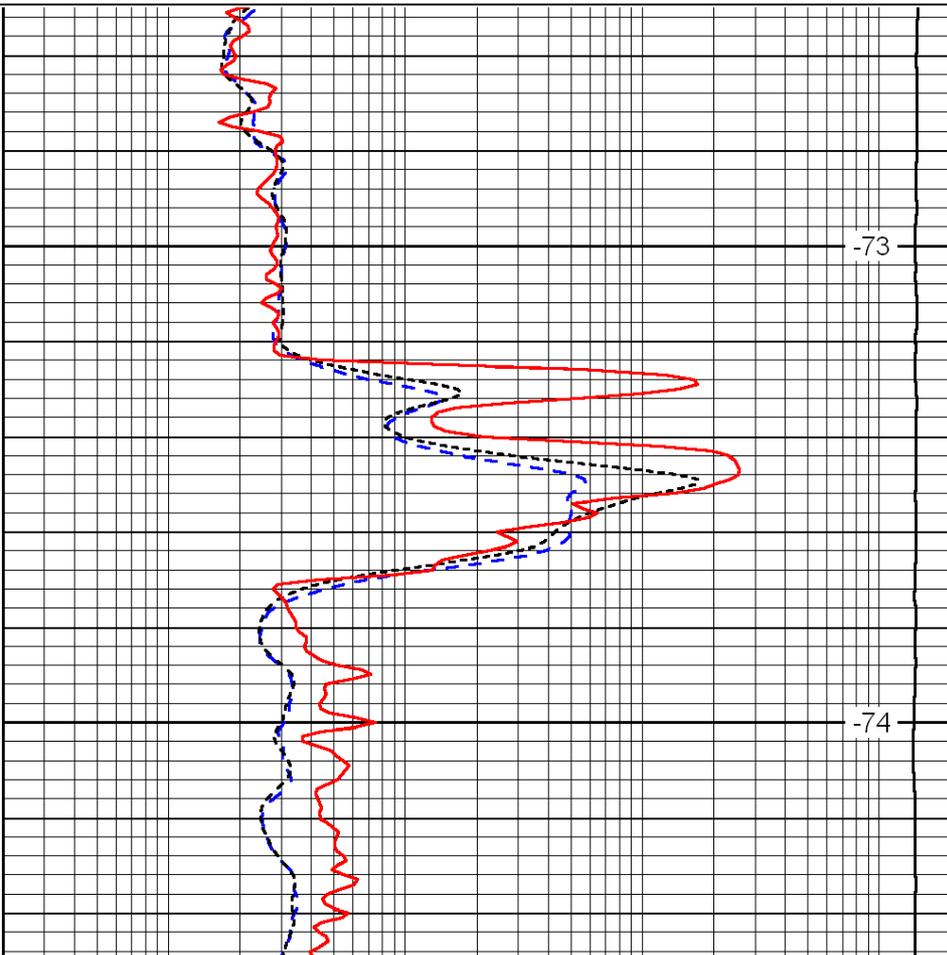
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-200	SP (mV)	0
-160	Rxo / Rt	40

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

LSPD



500  
550



-73  
-74

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

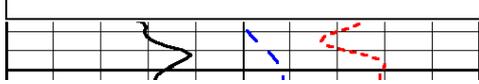
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-200	SP (mV)	0
-160	Rxo / Rt	40

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

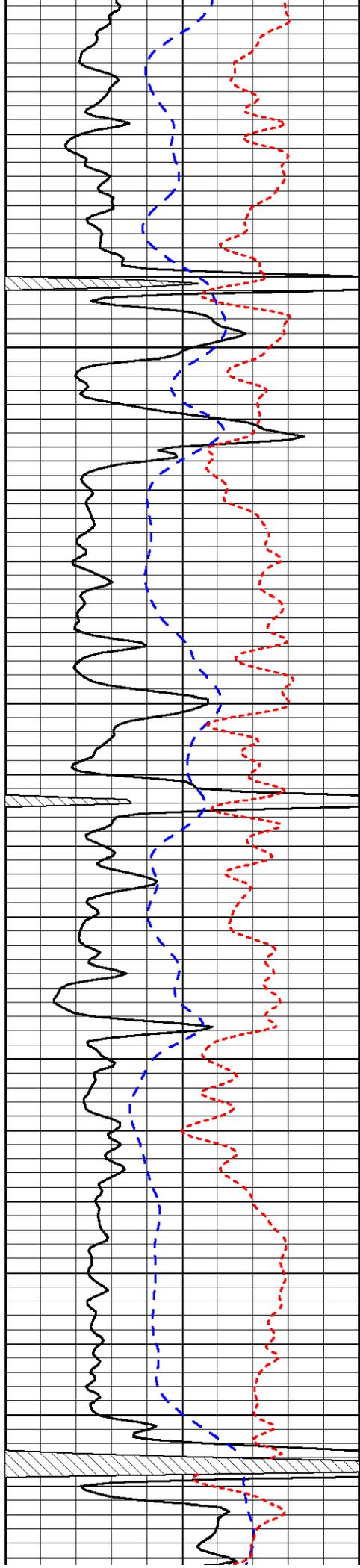
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2700



-28

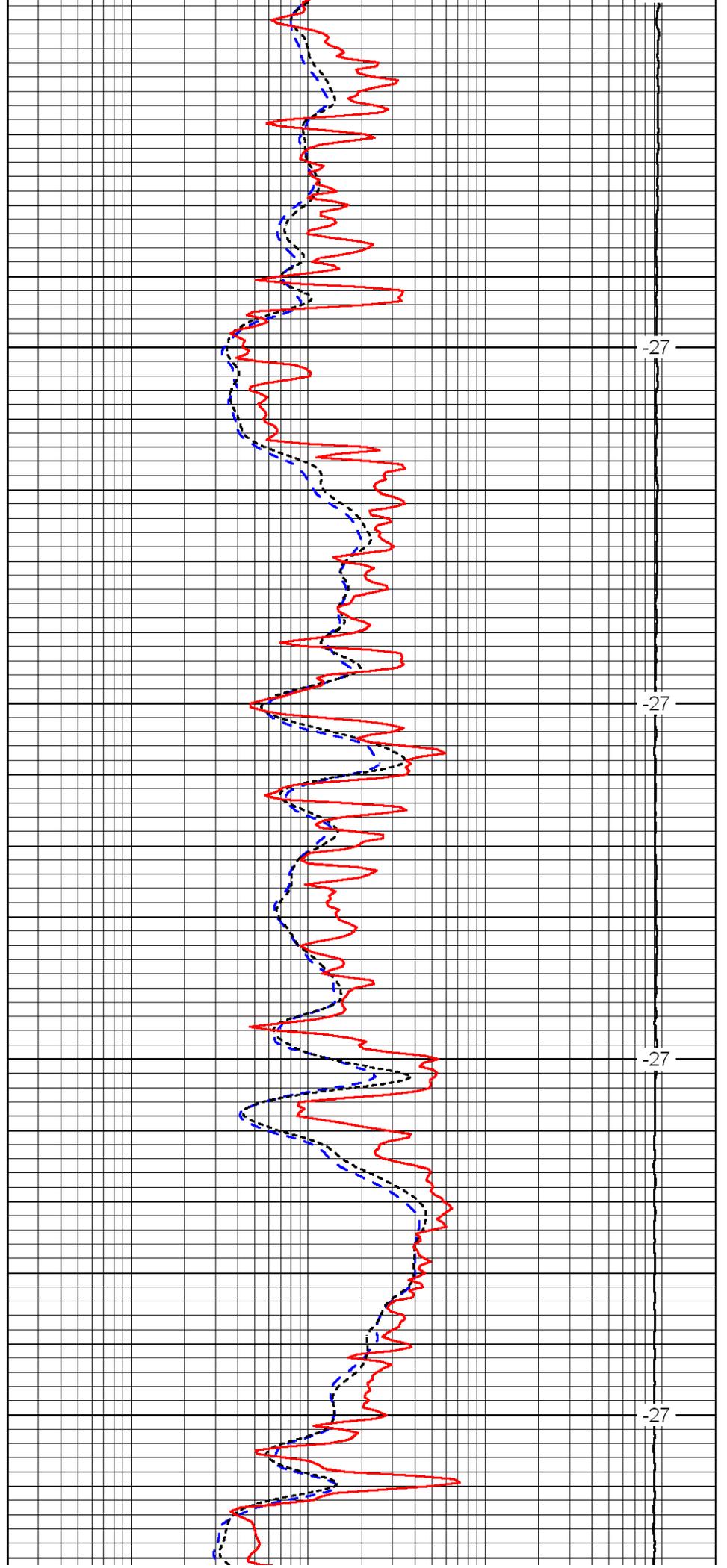


2750

2800

2850

2900

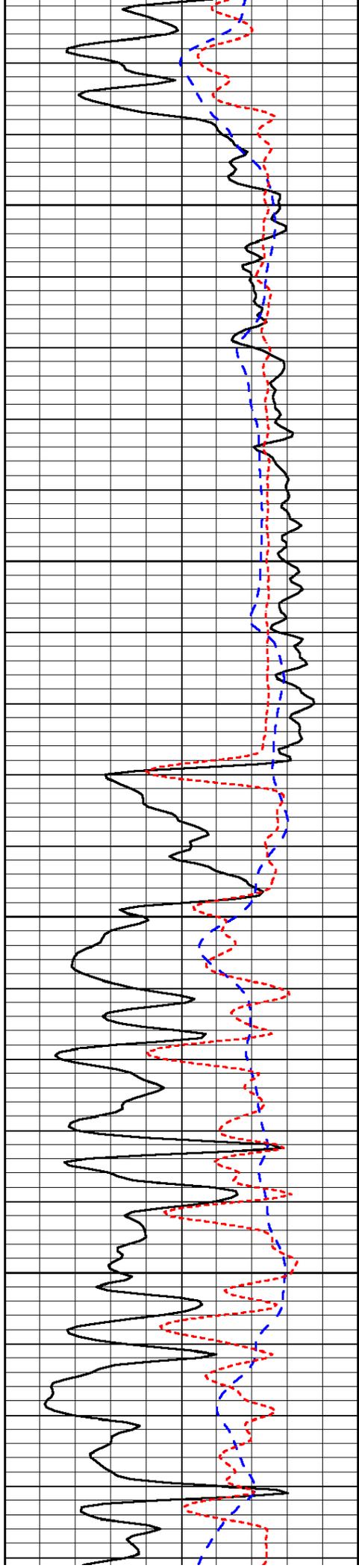


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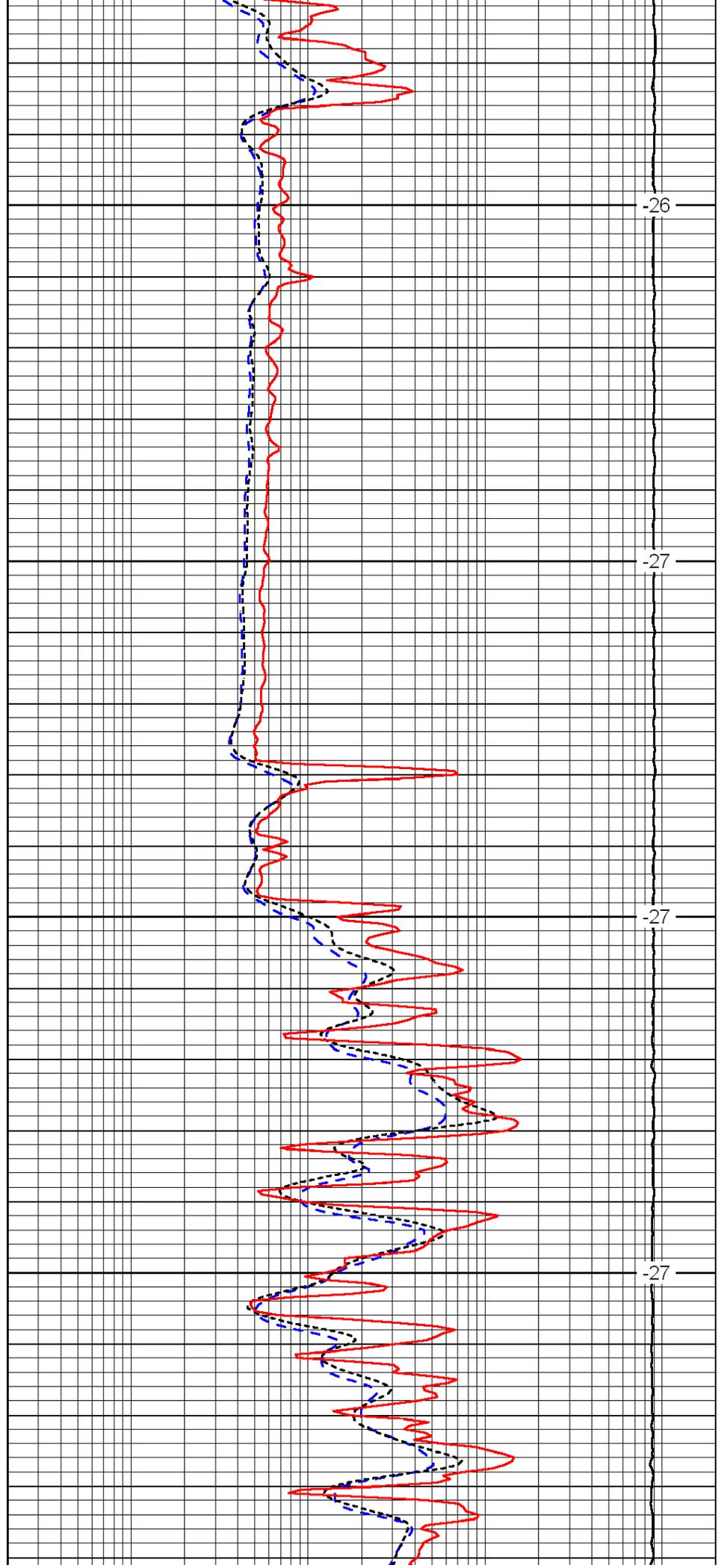


2950

3000

3050

3100

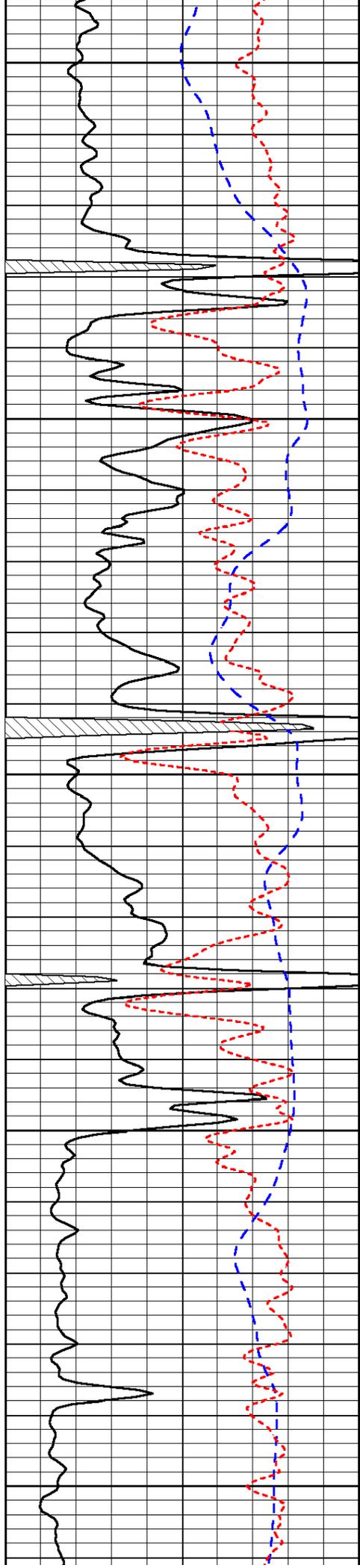


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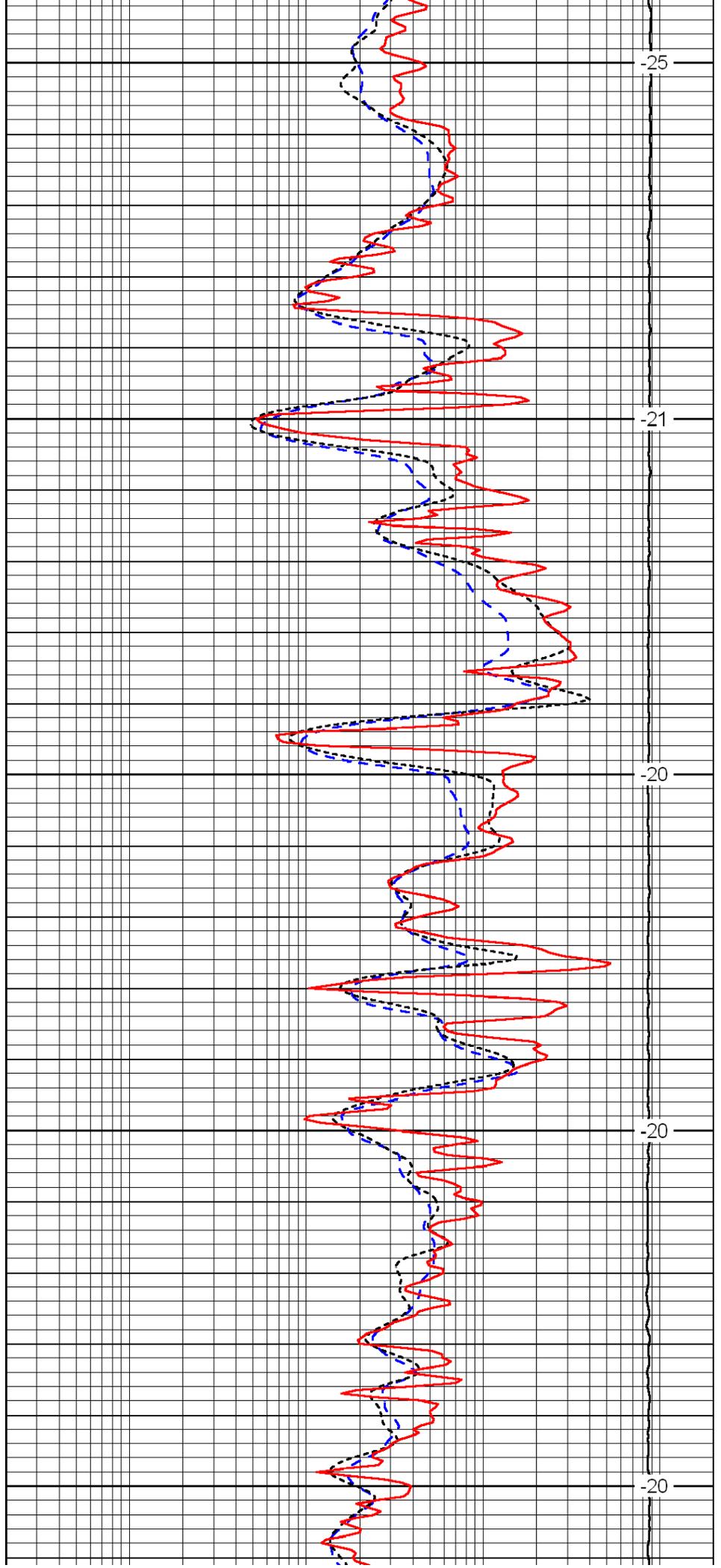
3150

3200

3250

3300

3350



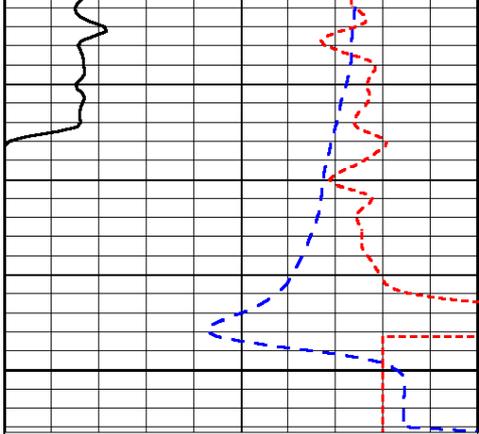
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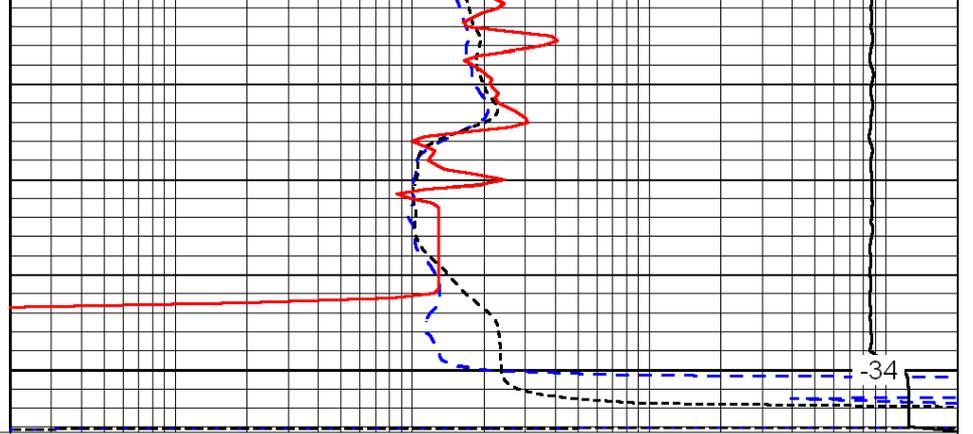
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-20



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

3400



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

-34

LSPD