



Dual Induction Log

Pioneer Energy Services

API No.	Company Trans Pacific Oil Corporation		
	Well Cambron "A" No. 1-14		
	Field		
	County	Ness	State Kansas
	Location	NE SW SE NE 2,190' FNL & 850' FEL	
	Sec: 14	Twp: 18S	Rge: 24W
Permanent Datum	Ground Level	Elevation 2305	Other Services
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum	CNL/CDL
Drilling Measured From	Kelly Bushing		Elevation K.B. 2314 D.F. 2305 G.L. 2305
Date	1/12/2013		
Run Number	One		
Depth Driller	4400		
Depth Logger	4399		
Bottom Logged Interval	4398		
Top Log Interval	200		
Casing Driller	8.625 @ 222		
Casing Logger	220		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	10800		
Density / Viscosity	9.4 52		
pH / Fluid Loss	10.0 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.40 @ 48		
Rmf @ Meas. Temp	.30 @ 48		
Rmc @ Meas. Temp	.54 @ 48		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.16 @ 120		
Operating Rig Time	2 1/2 Hours		
Max Rec. Temp. F	120		
Equipment Number	91		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Bryce Bidleman		

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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

Ness City, 3 West on 140 Road (North Edge of Town) to Curve, 1 North to T, 3/4 East,
North Into at Tank Battery

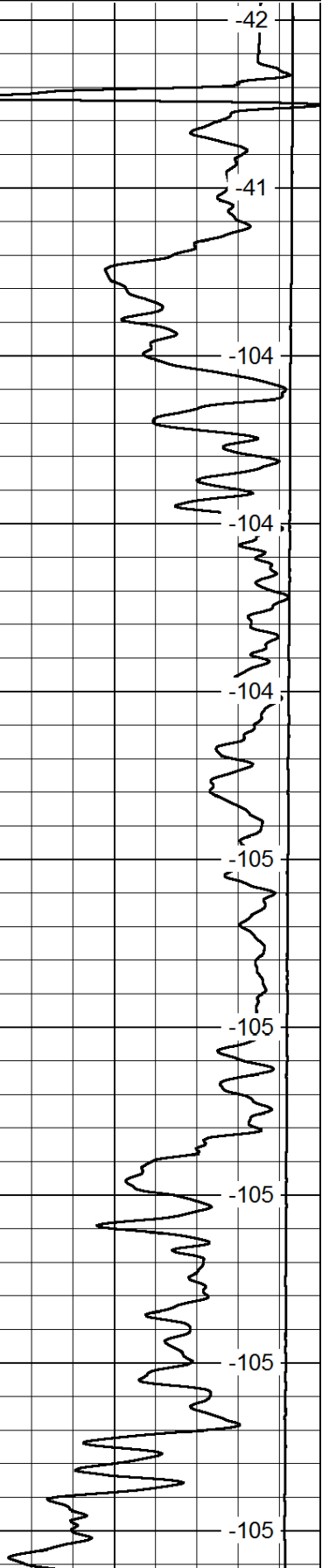
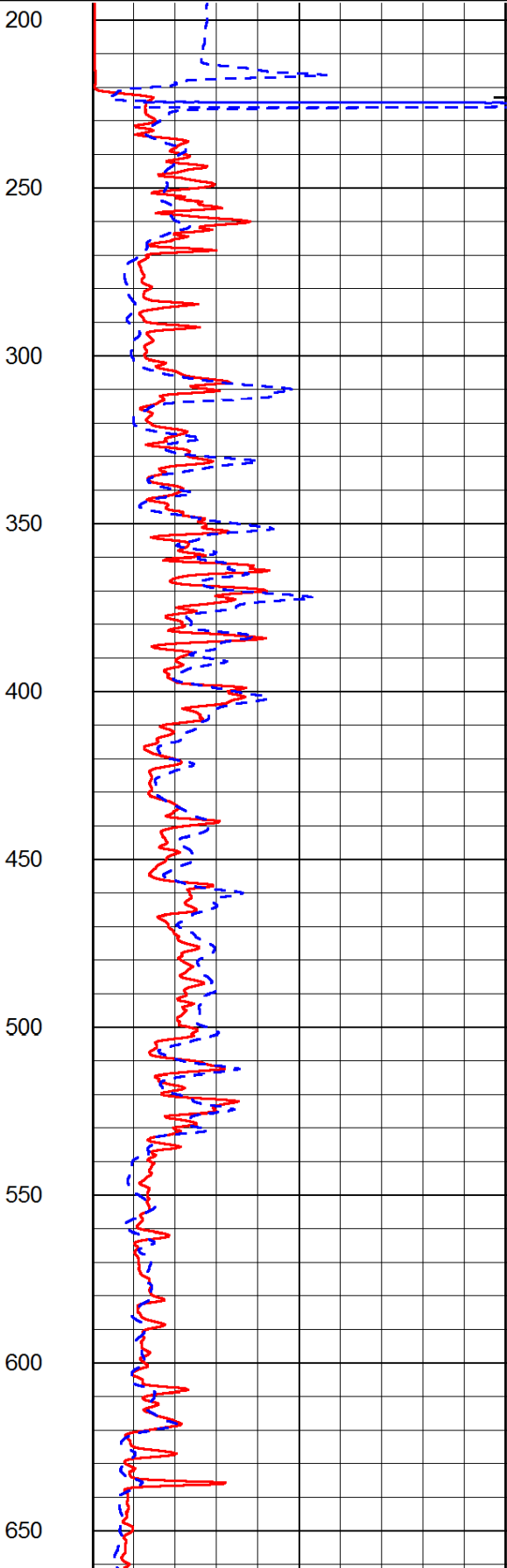
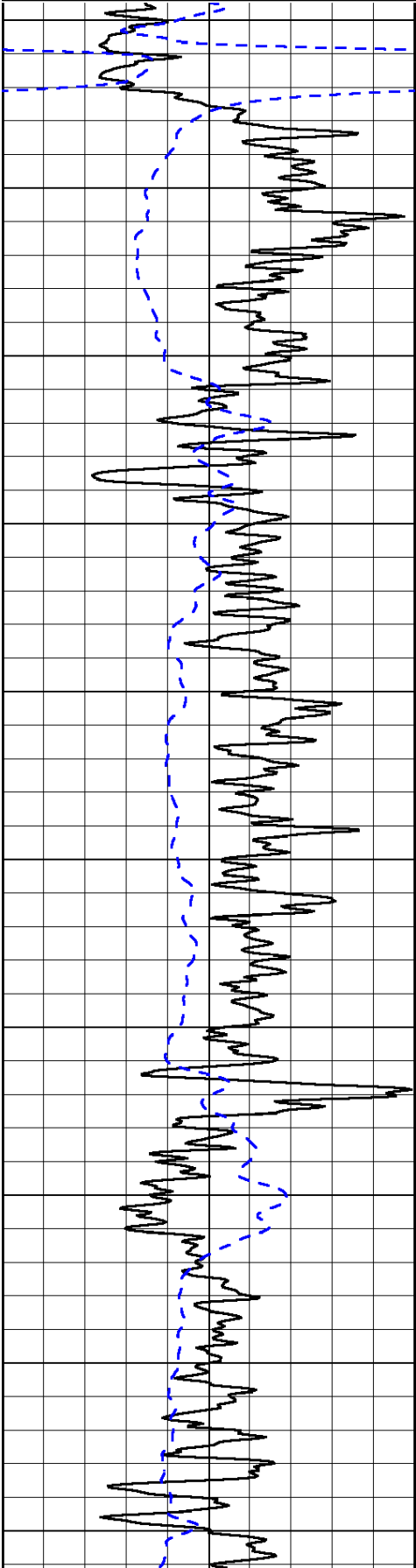
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Dataset Pathname: dil/transstck
Presentation Format: dil2in
Dataset Creation: Sat Jan 12 01:44:56 2013
Charted by: Depth in Feet scaled 1:600

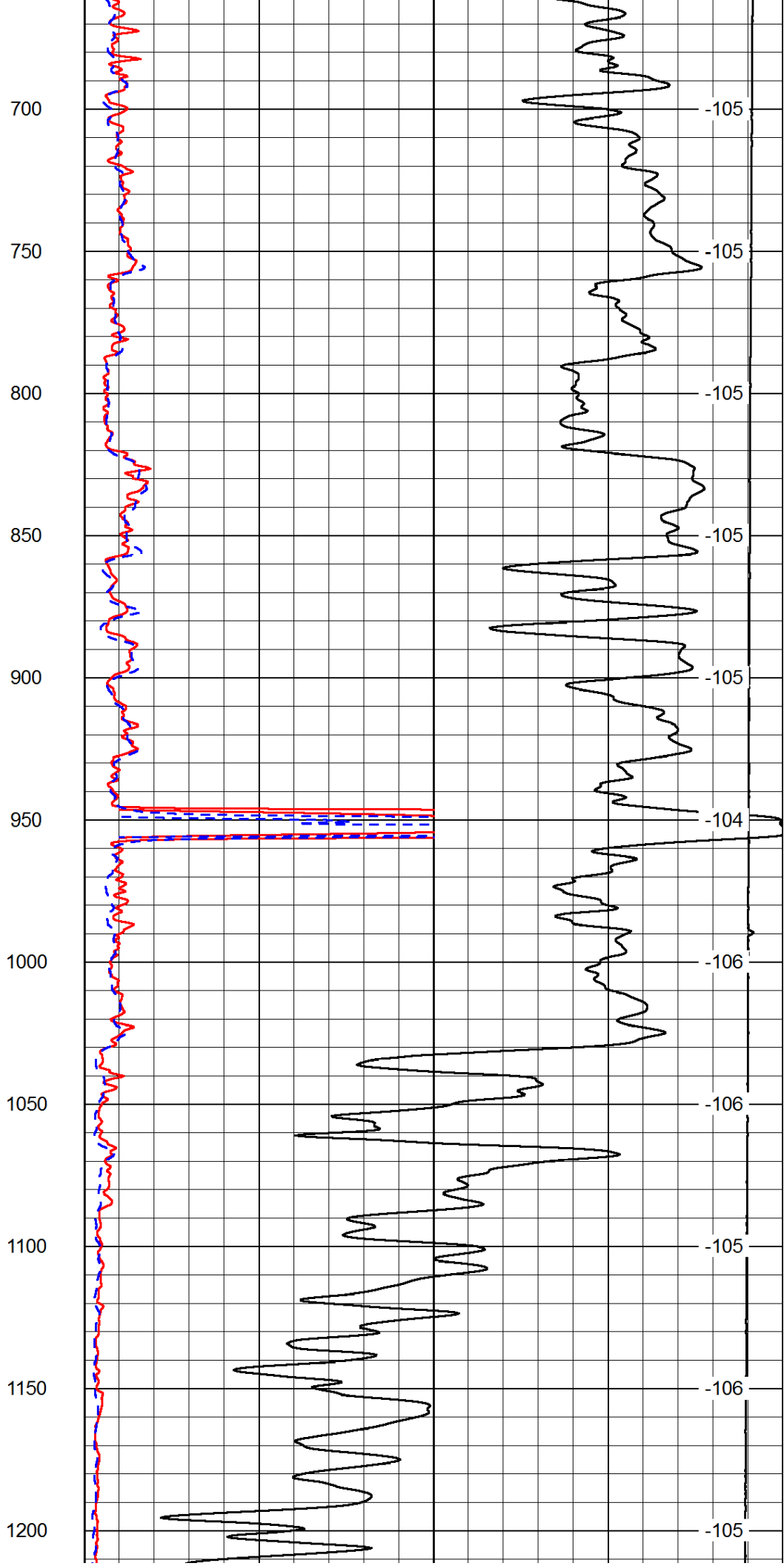
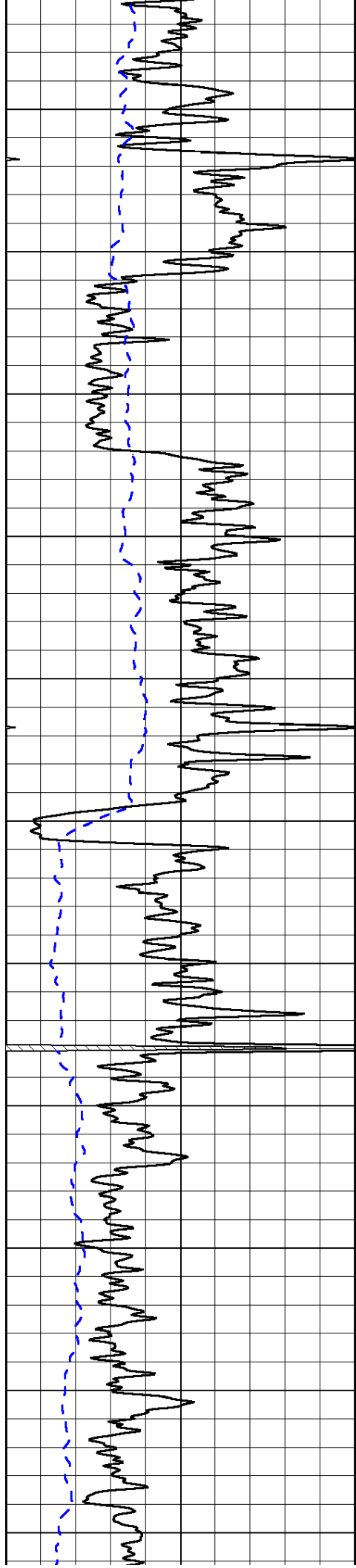
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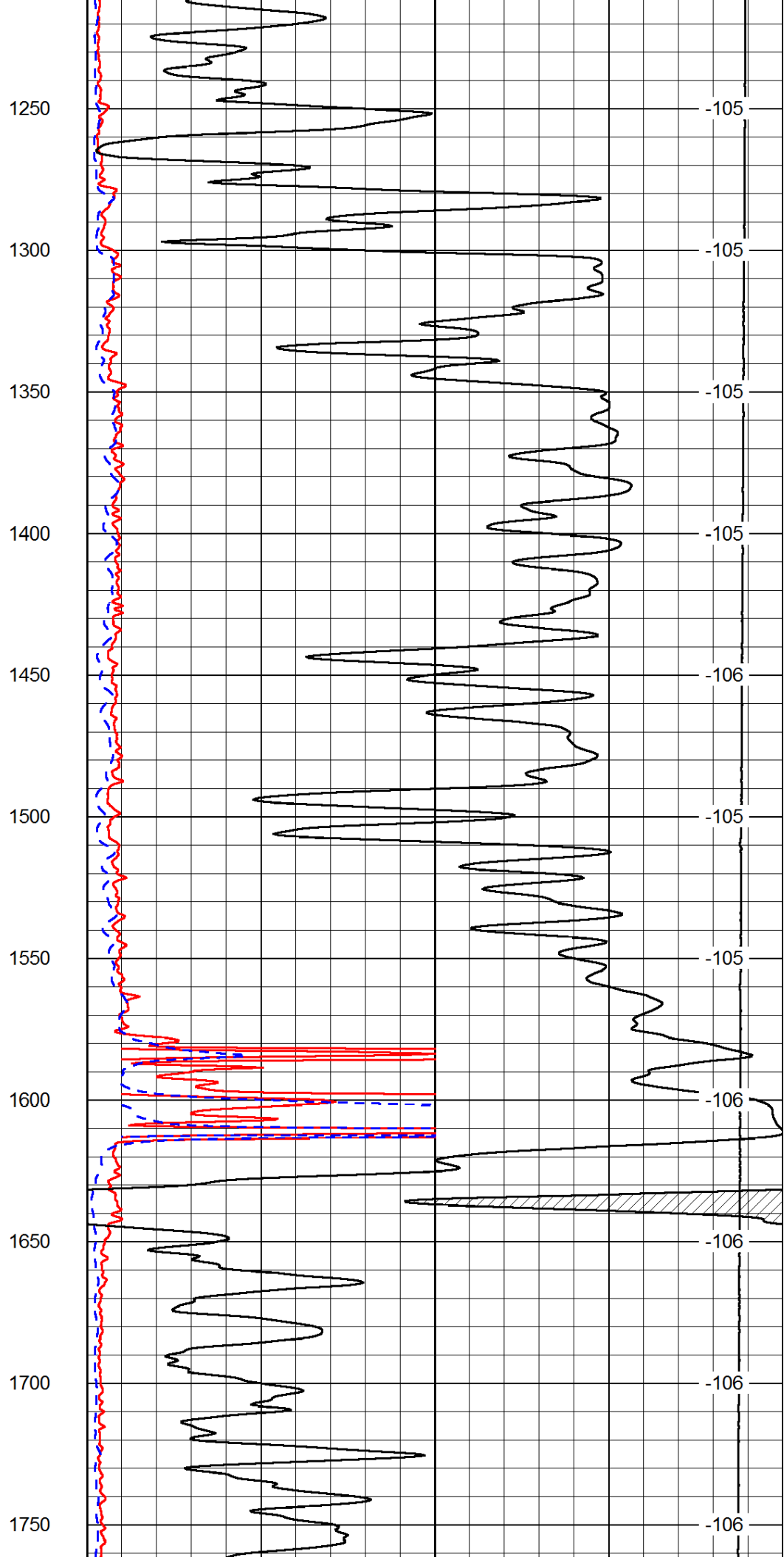
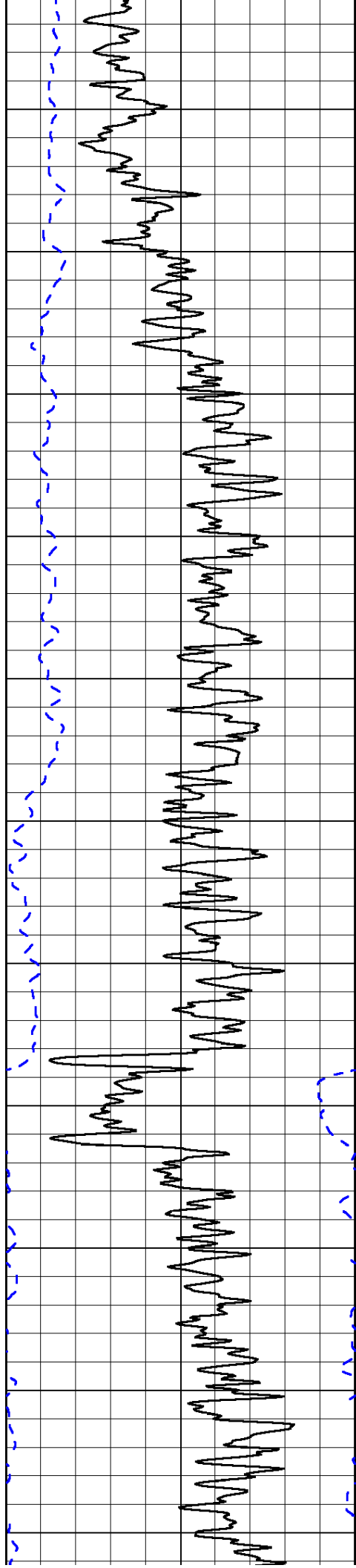
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-200	SP (mV)	0

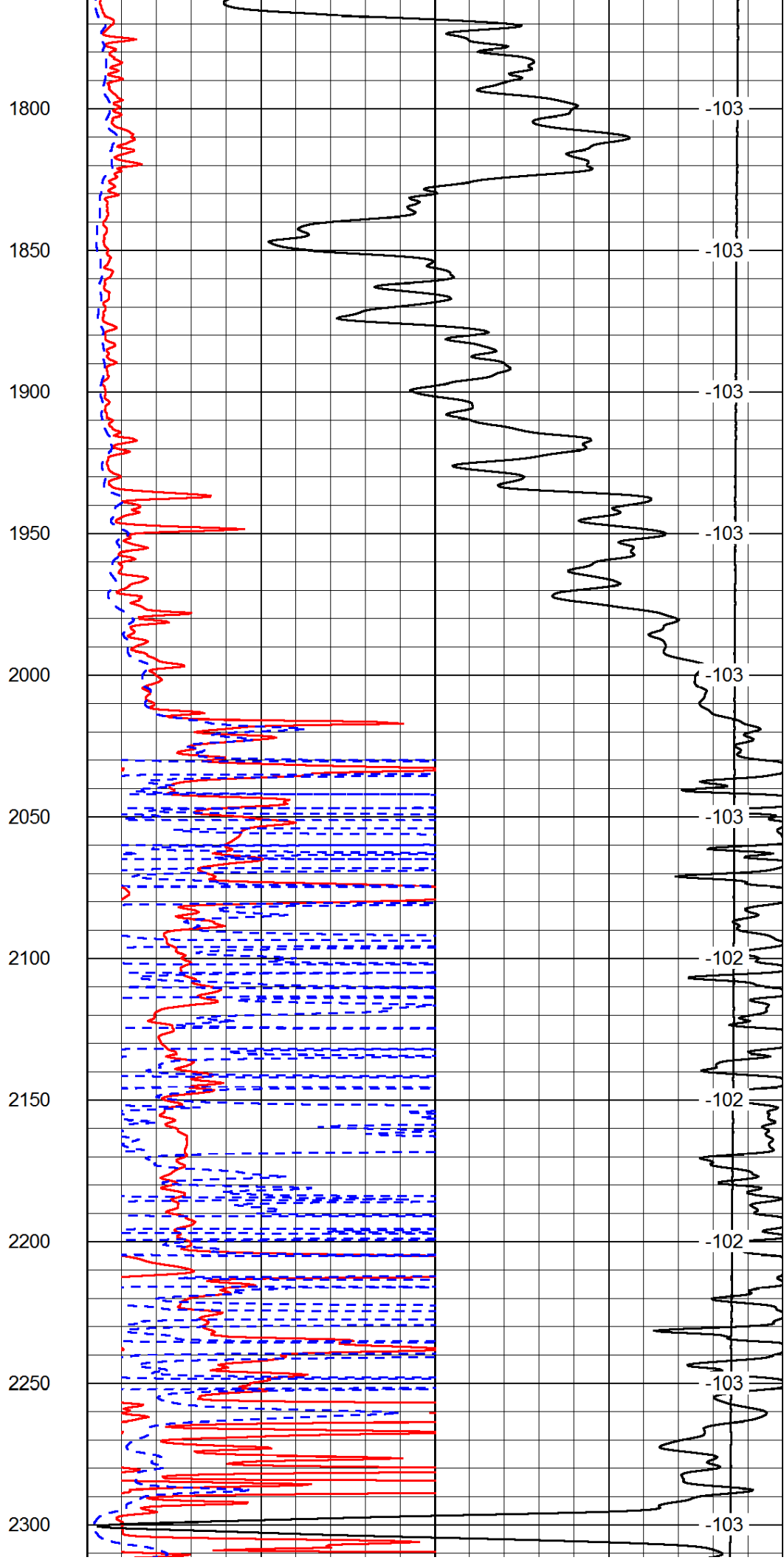
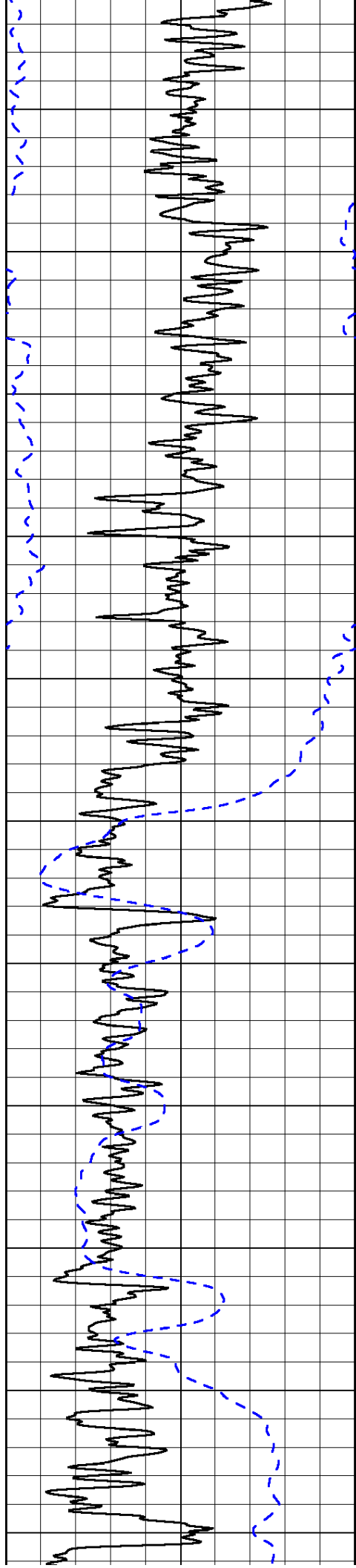
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

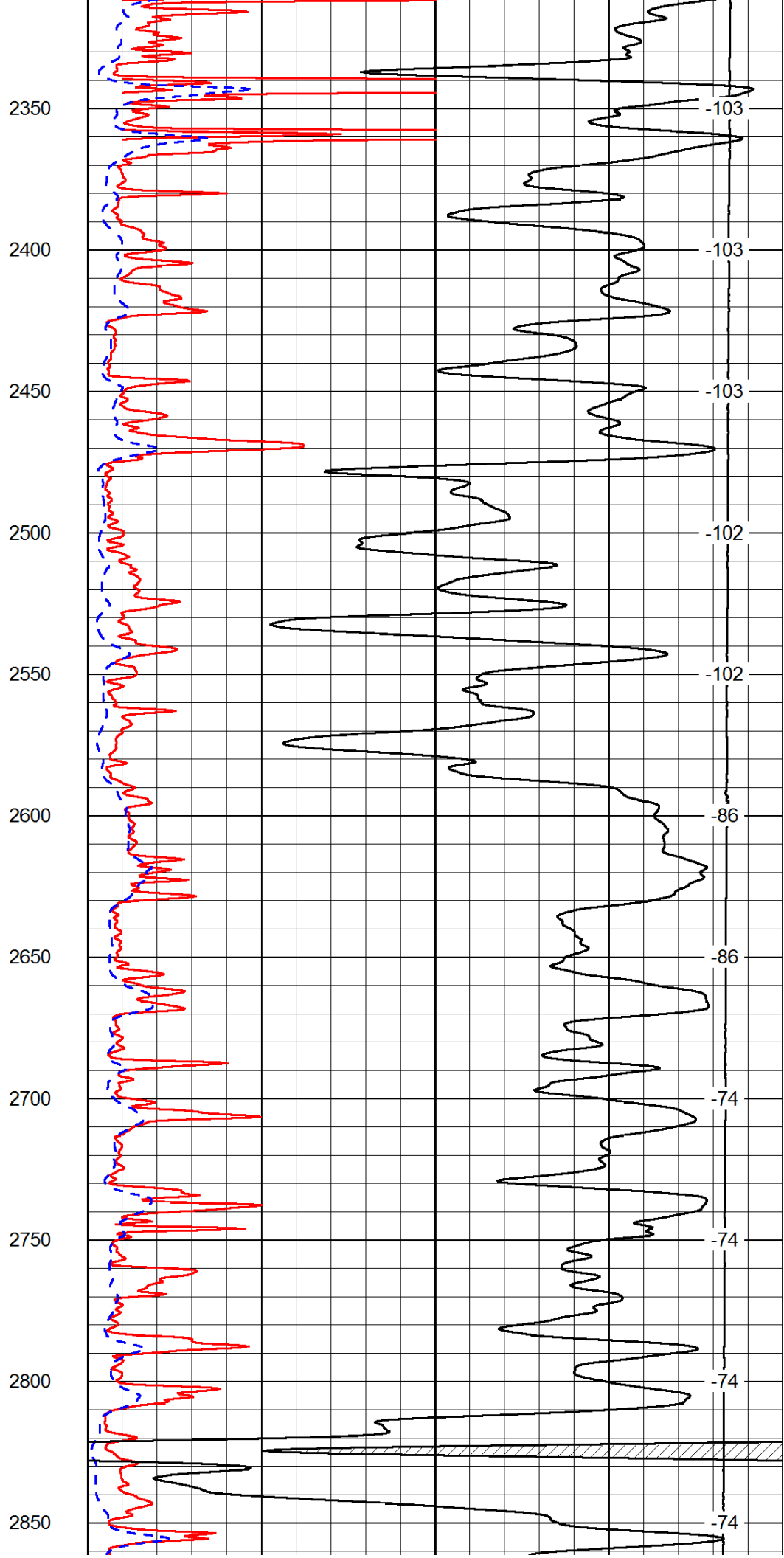
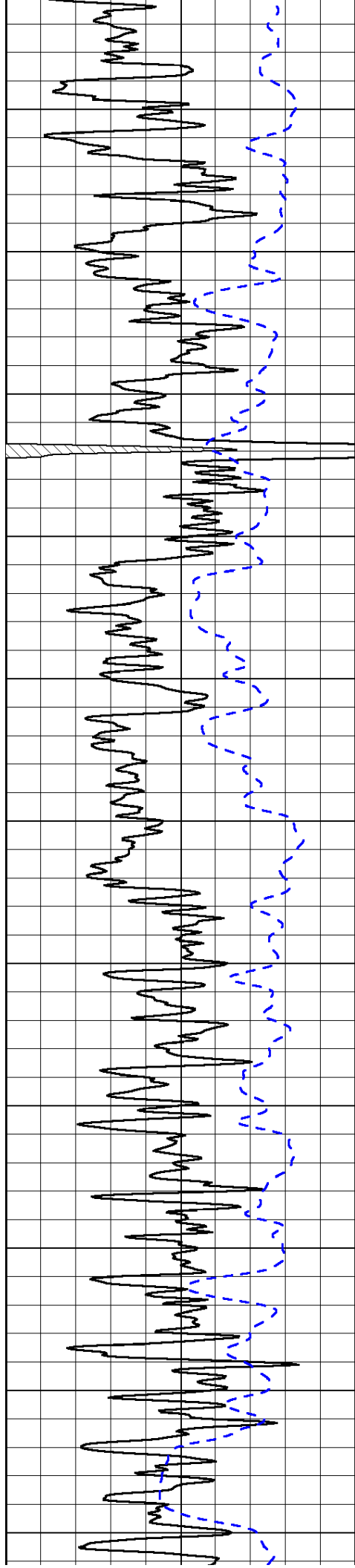
LSPD	0
0	0

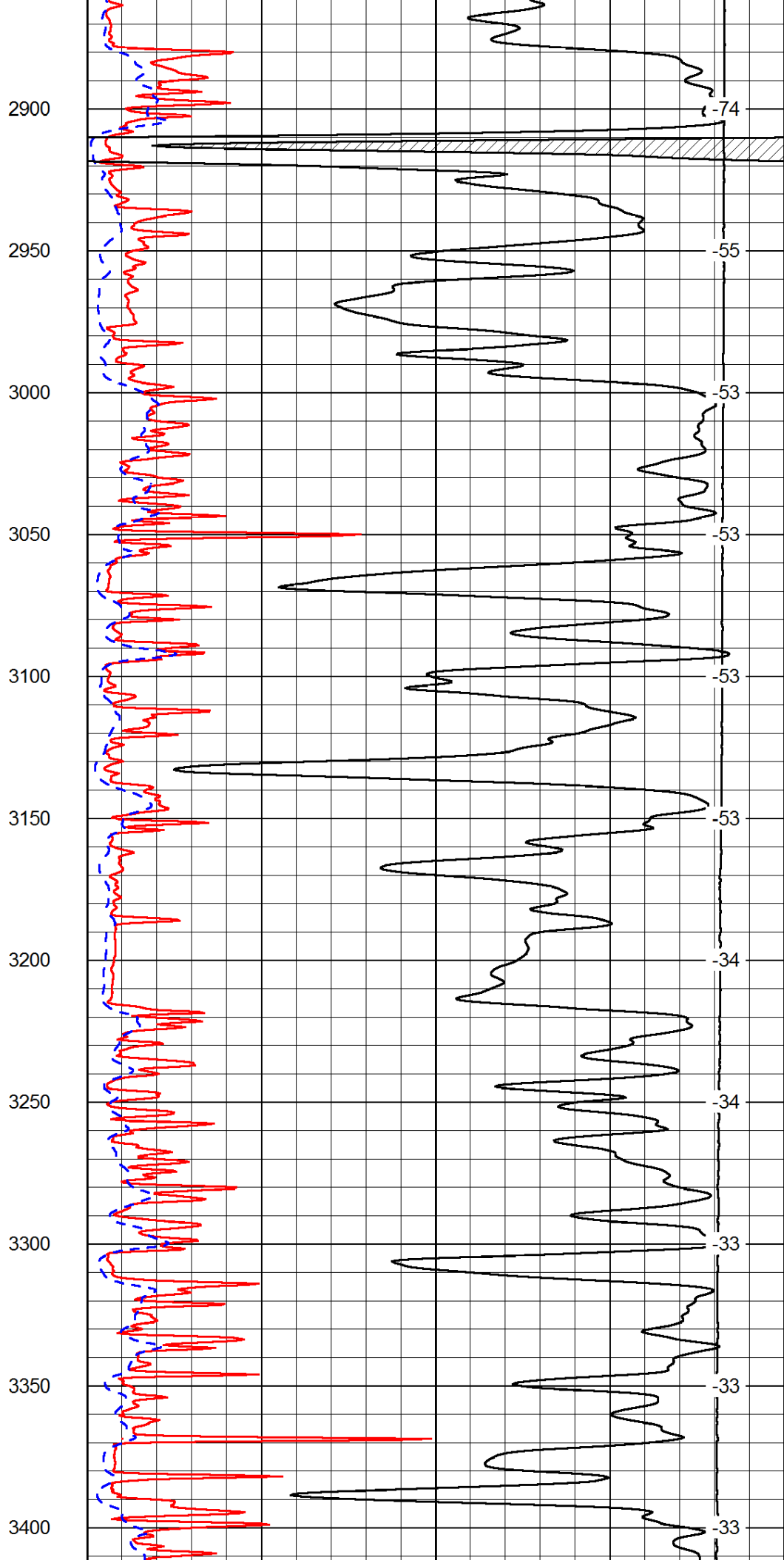
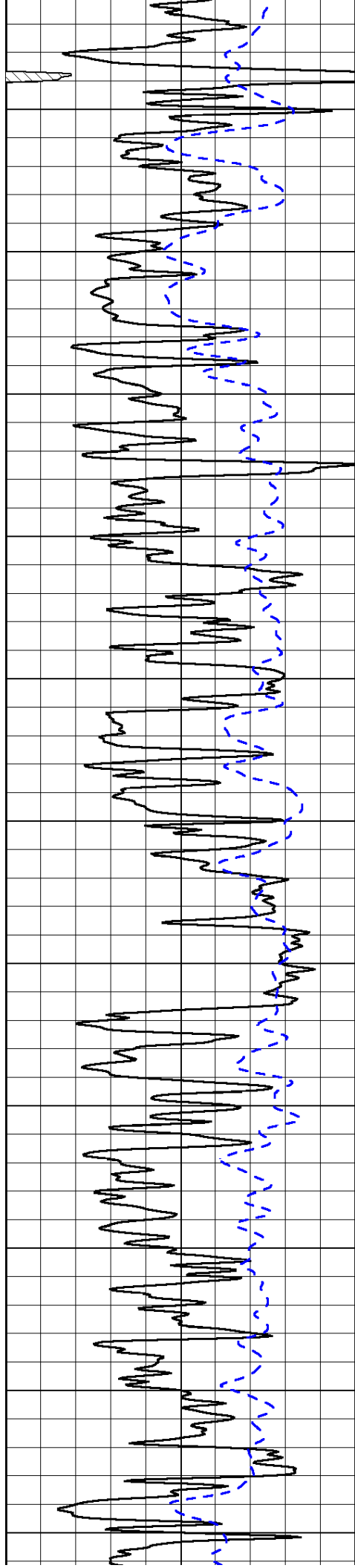


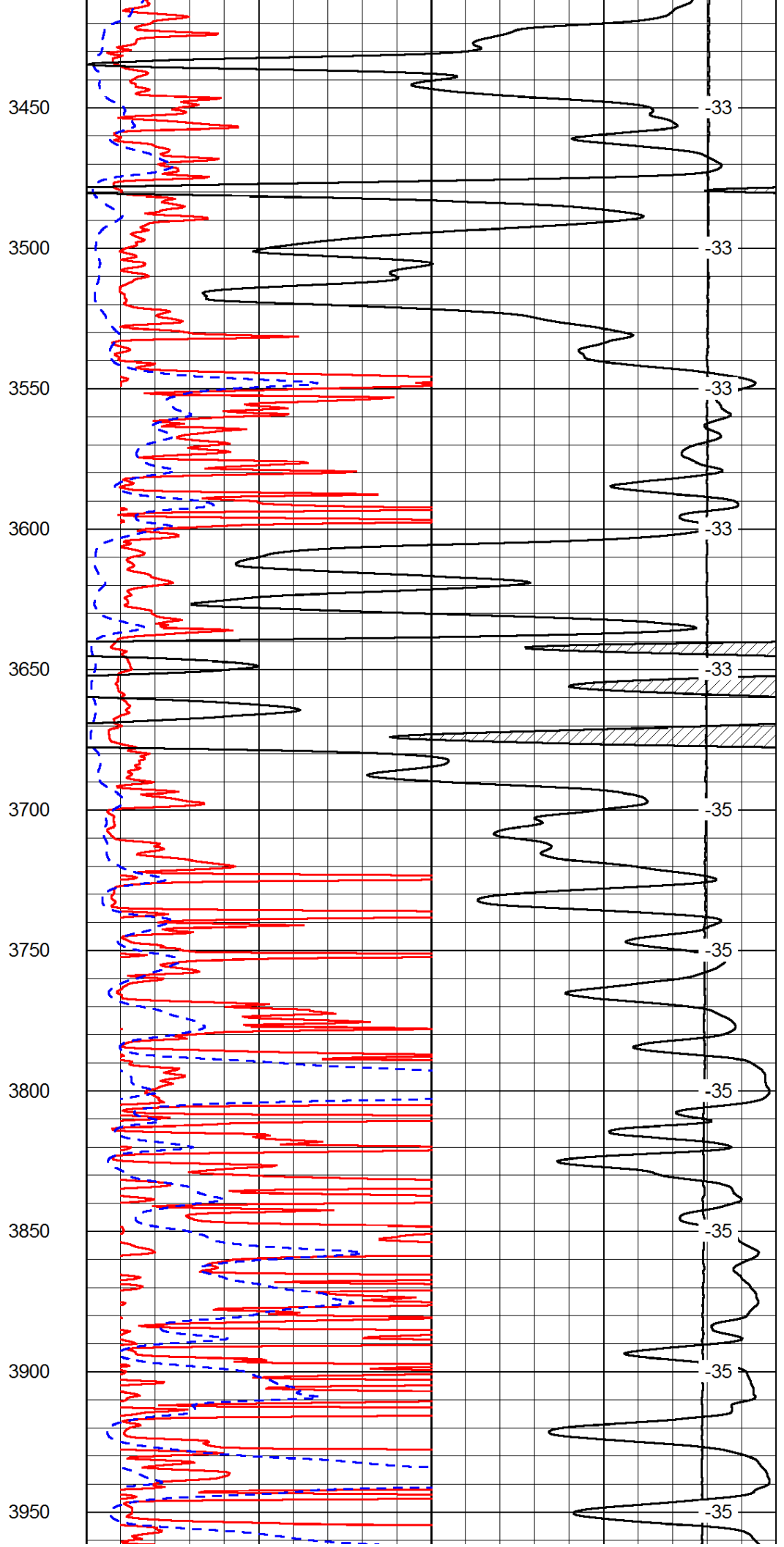
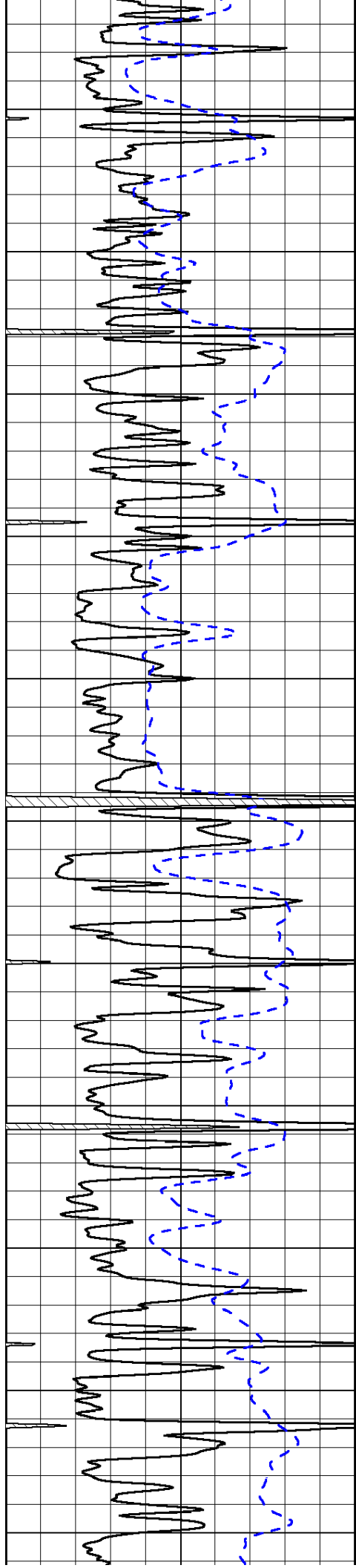


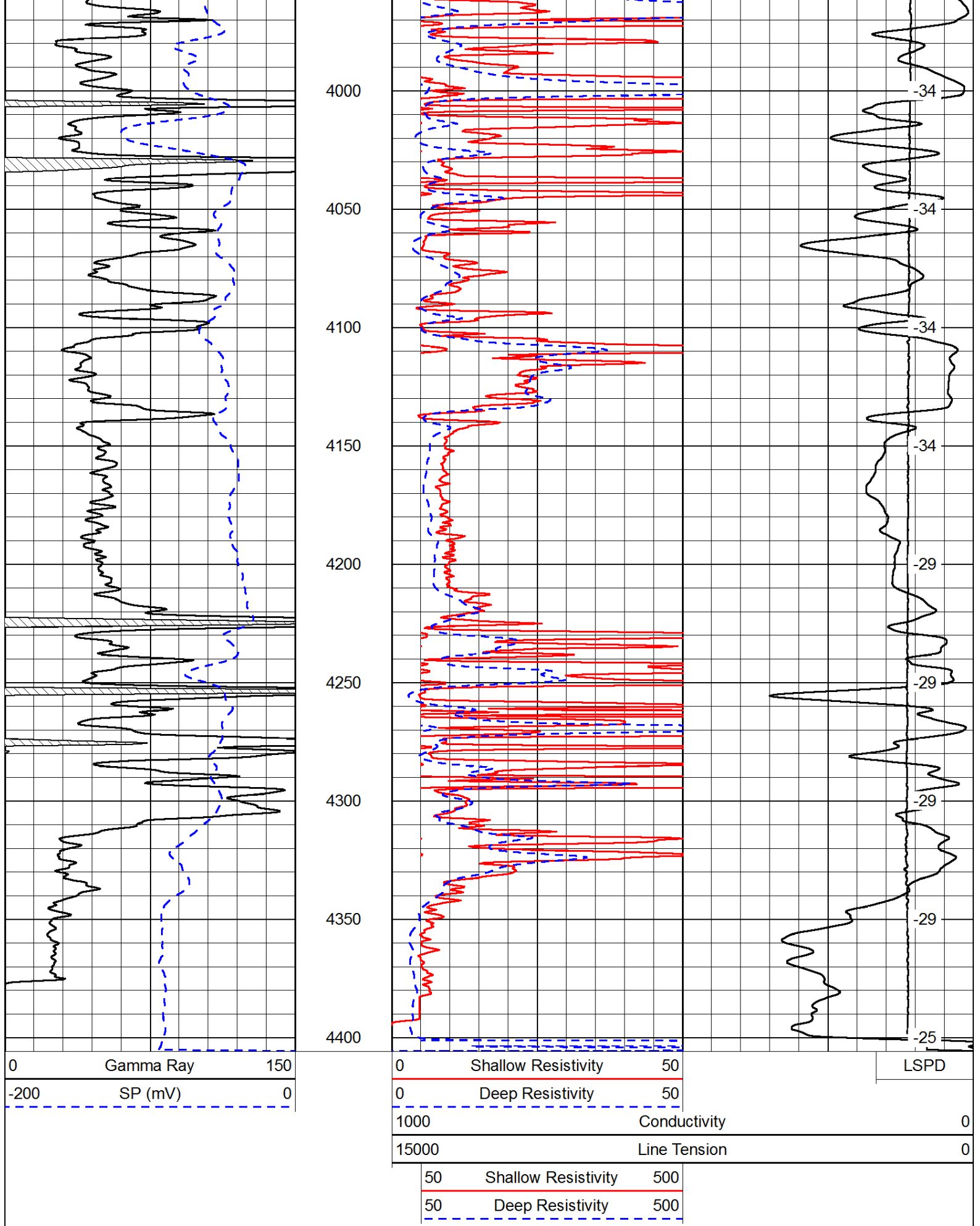










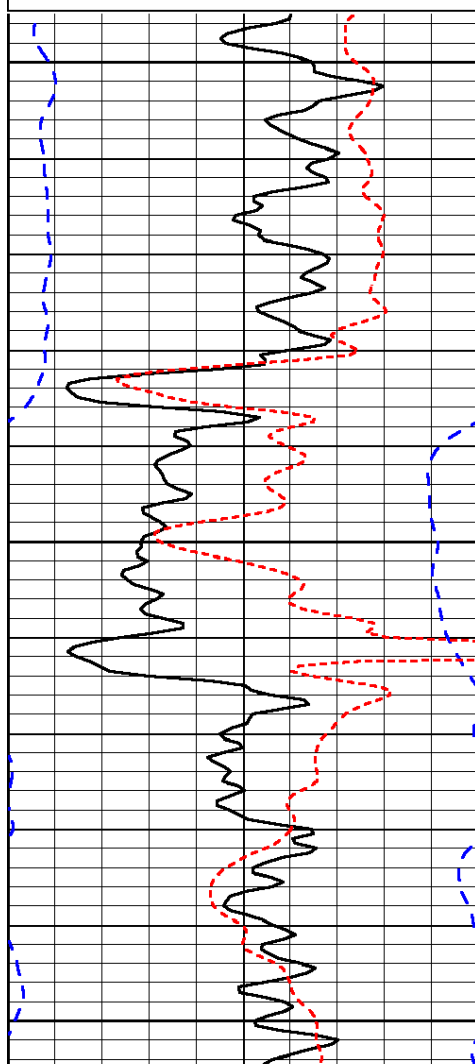


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Presentation Format: dil
Dataset Creation: Sat Jan 12 01:44:56 2013
Charted by: Depth in Feet scaled 1:240

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

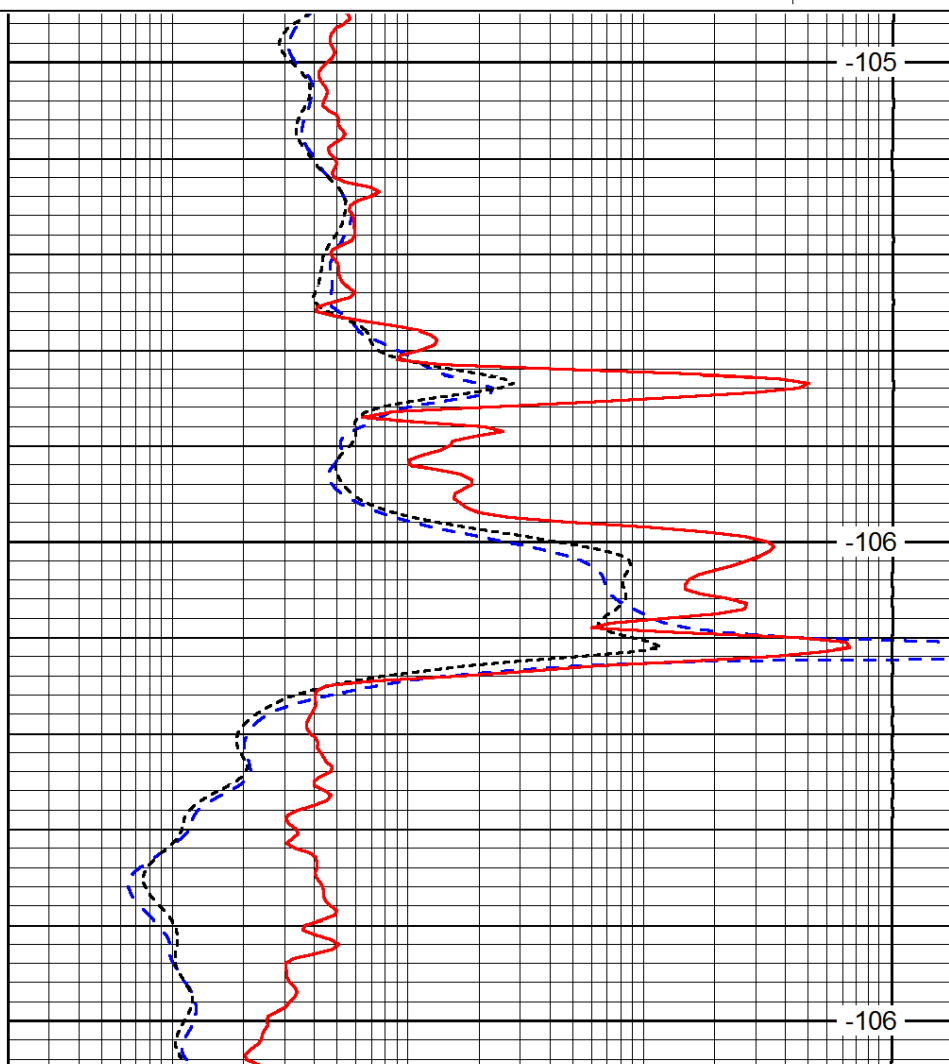
LSPD



1550

1600

1650



-105

-106

-106

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

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

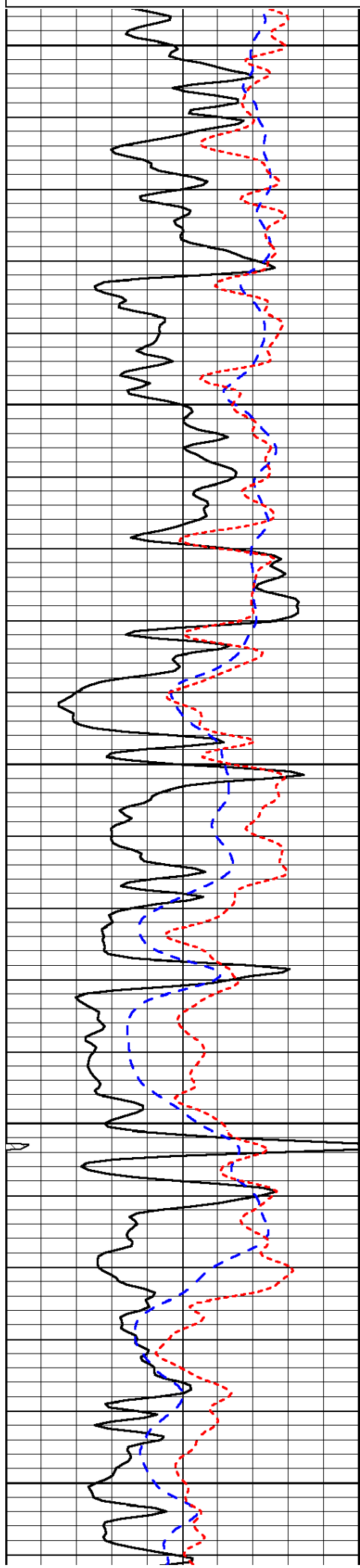
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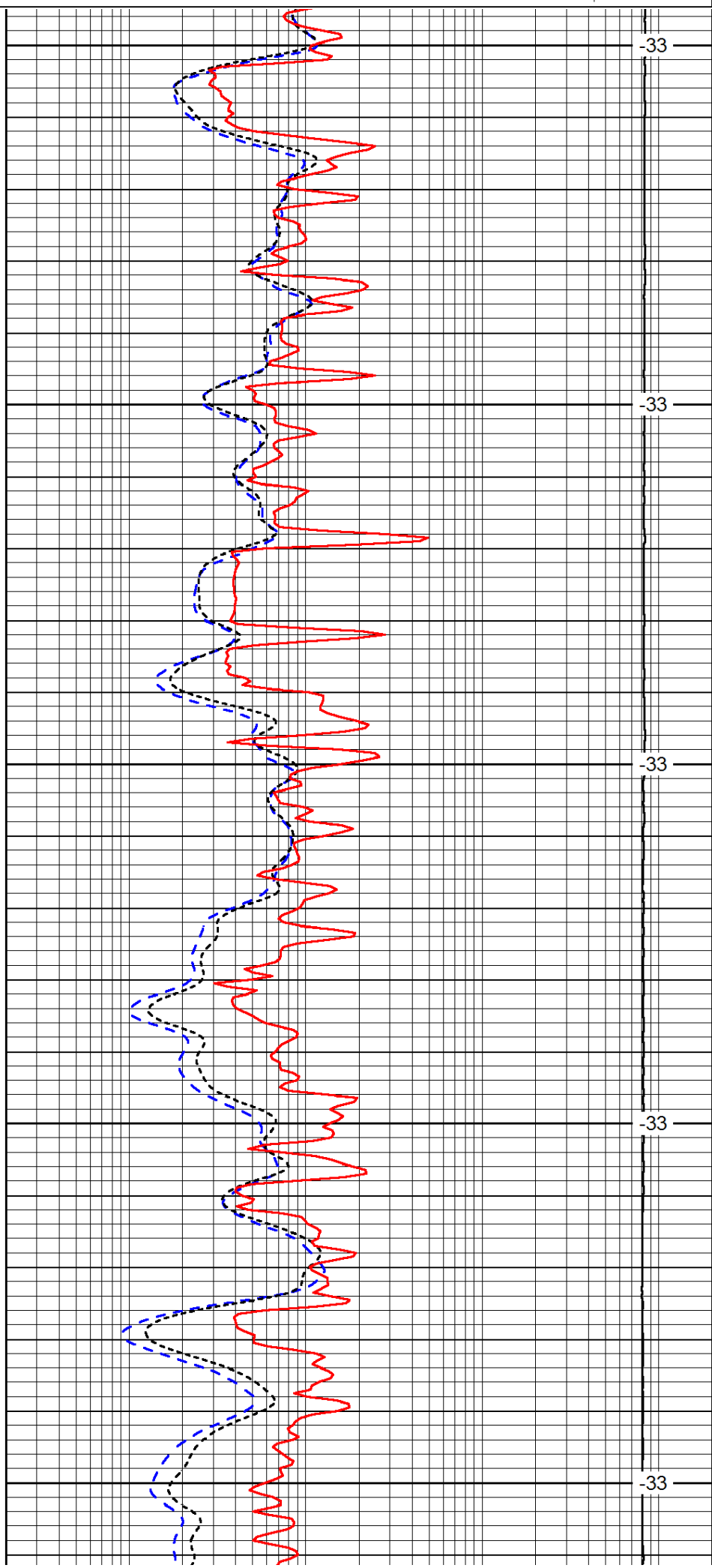
3300

3350

3400

3450

3500



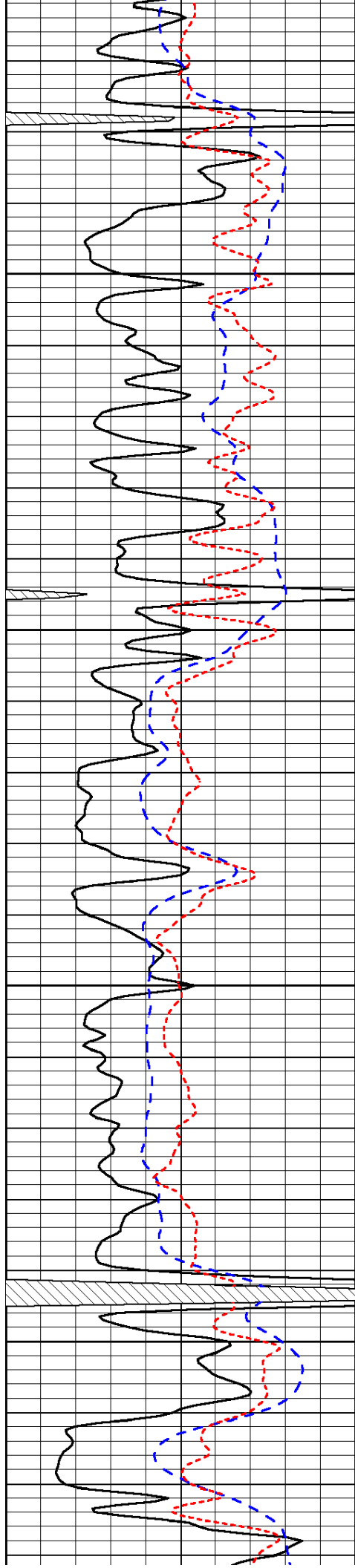
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-33

-33

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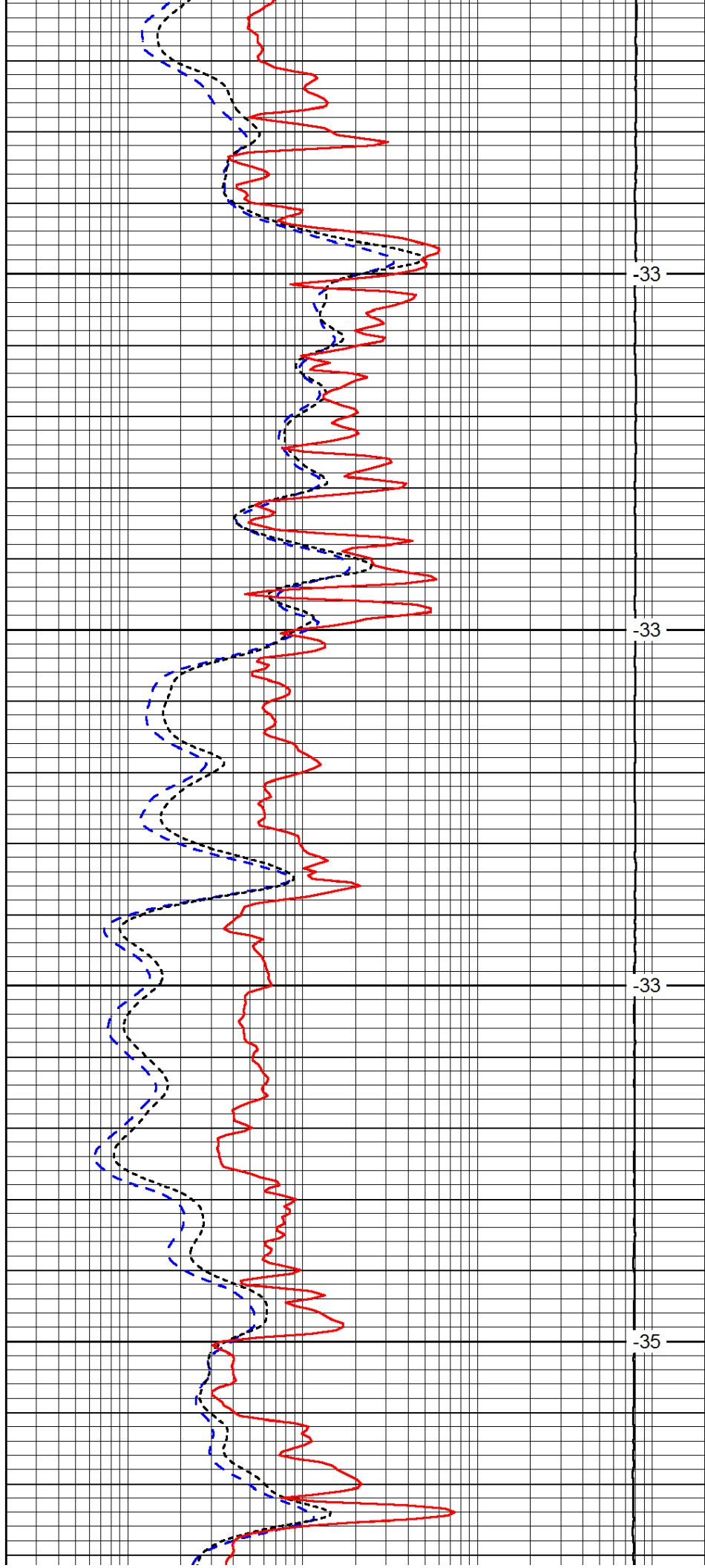


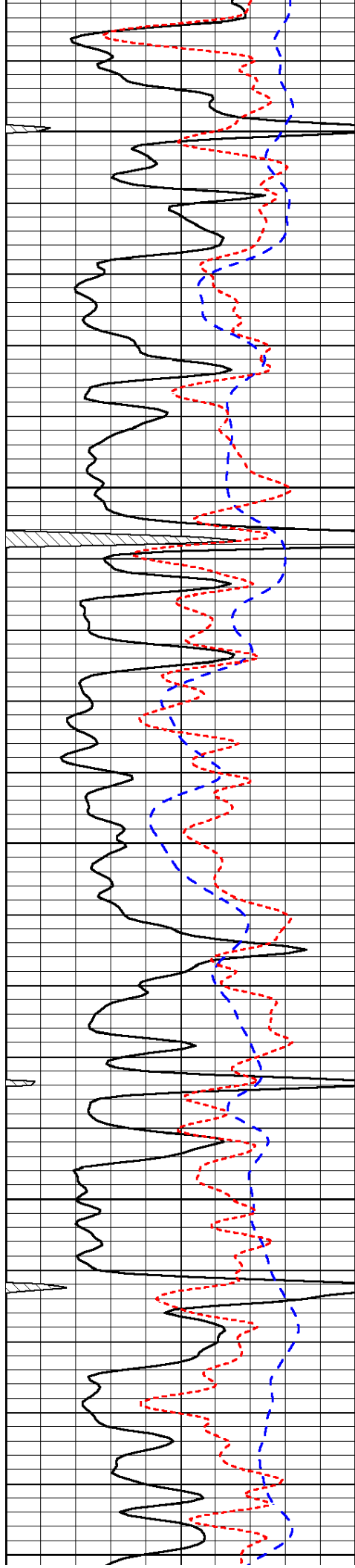
3550

3600

3650

3700





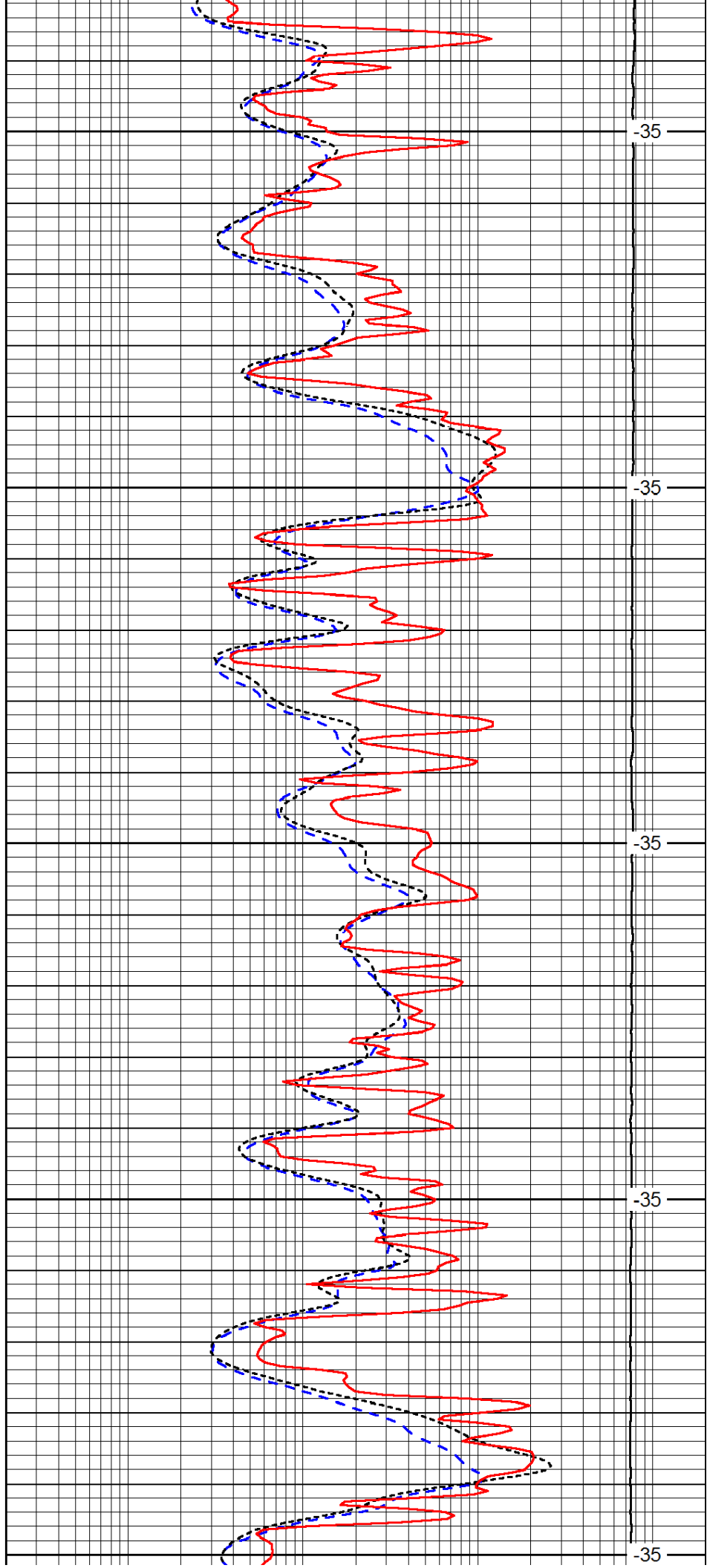
3750

3800

3850

3900

3950



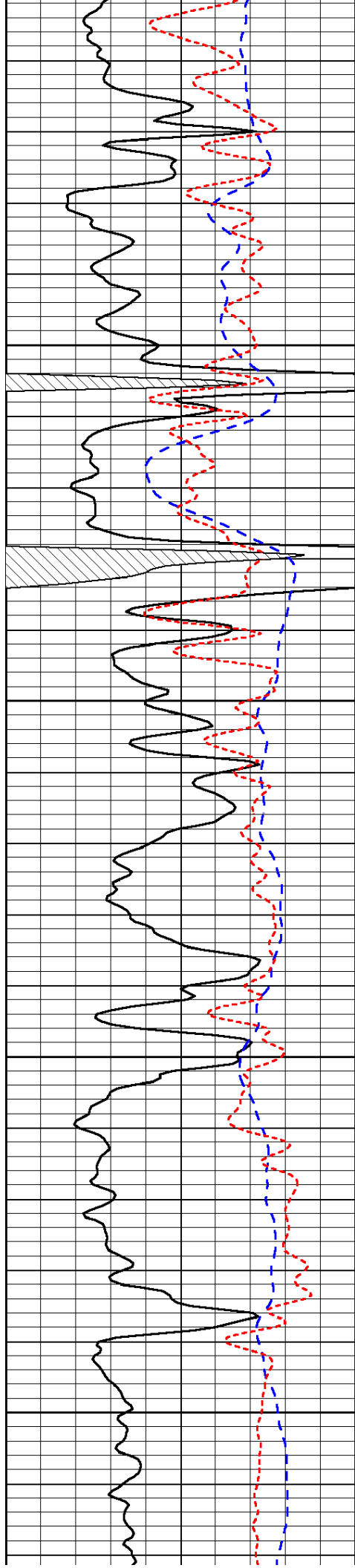
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-35

-35

-35

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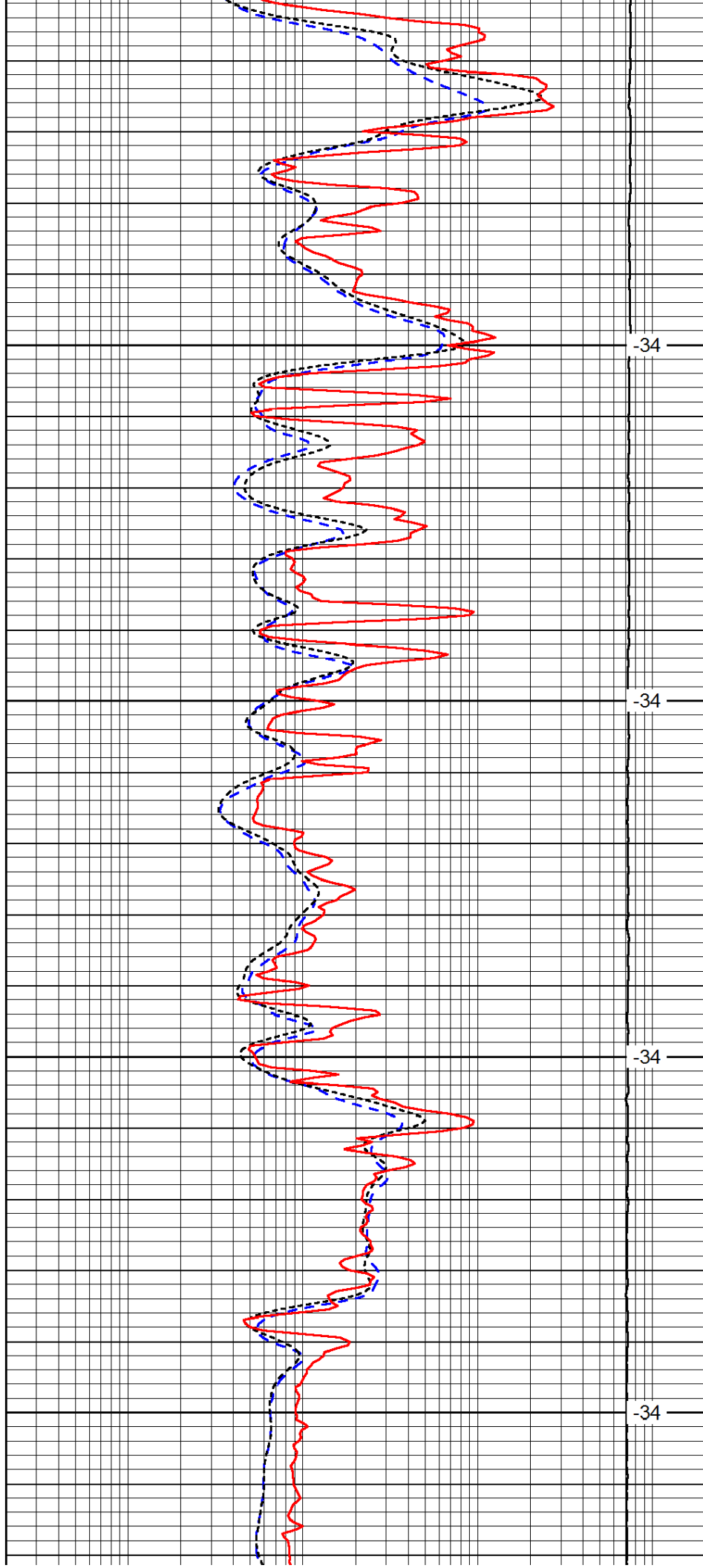


4000

4050

4100

4150

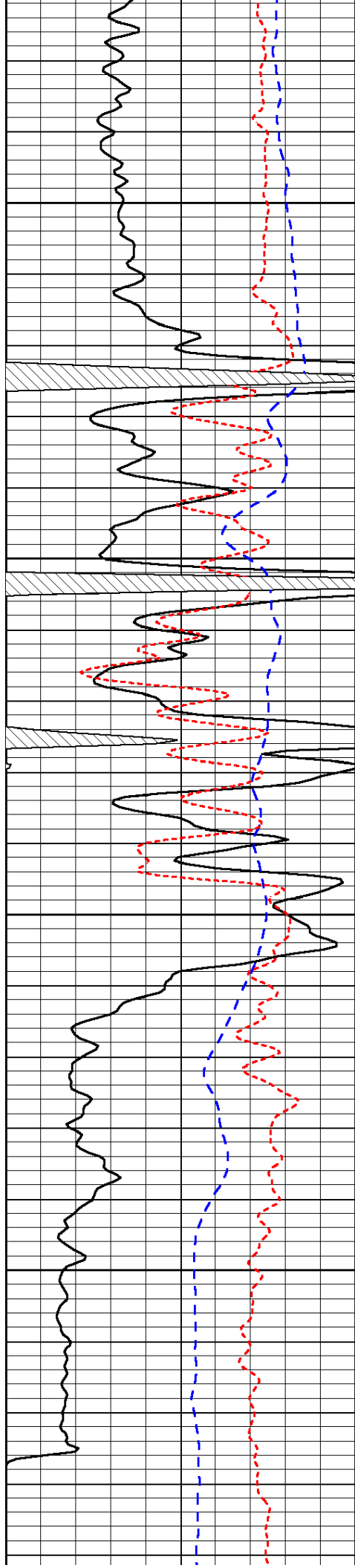


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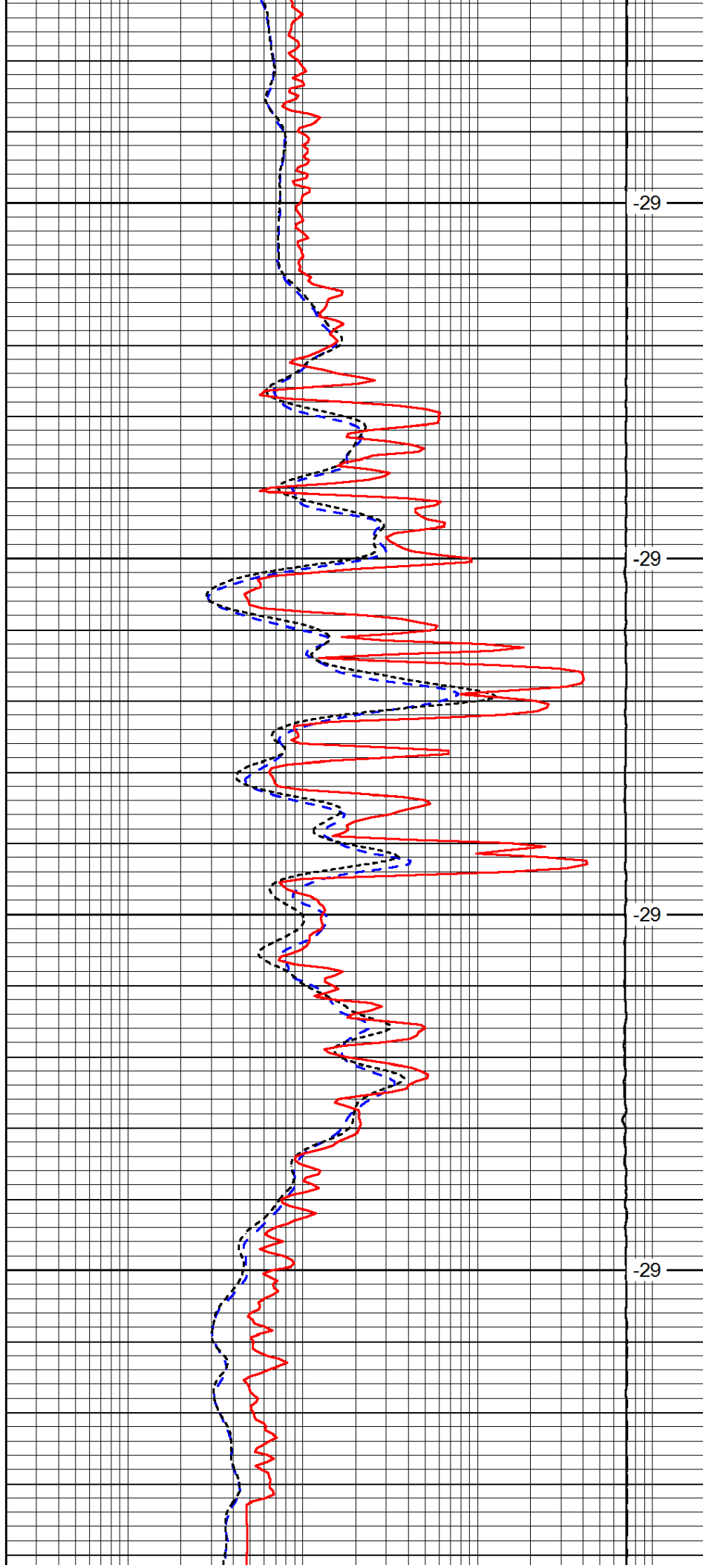


4200

4250

4300

4350

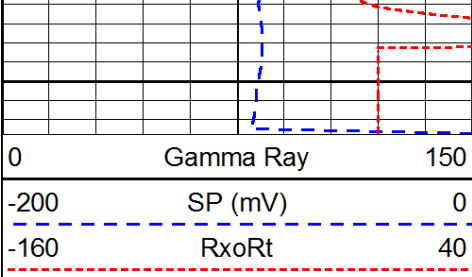


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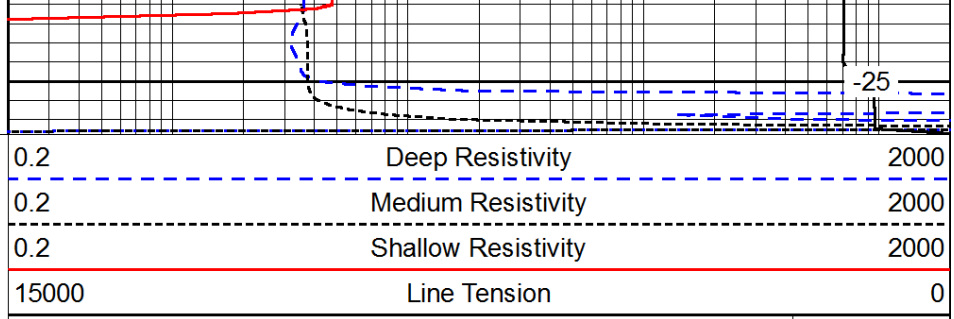
-29

-29

-29



4400



-25

LSPD