



PIONEER

Pioneer Energy Services

Dual Induction Log

API No.	Company Kermit Schmidt		
	Well J A Krehbiel C-1		
	Field Voshell		
	County McPherson	State Kansas	
15-113-21,374-00-00	Location	E2-E2-SW-SE 660' FSL & 1330' FEL	
	Sec: 4	Twp: 21S	Rge: 3W
	Permanent Datum	Ground Level	Elevation 1452
	Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum
	Drilling Measured From	Kelly Bushing	K.B. 1461 D.F. 1452 G.L. 1452
Date		11/20/14	
Run Number		One	
Depth Driller		3420	
Depth Logger		3418	
Bottom Logged Interval		3417	
Top Log Interval		250	
Casing Driller		8.625 @ 253	
Casing Logger		253	
Bit Size		7.875	
Type Fluid in Hole		Chemical	
Salinity, ppm CL		1,150	
Density / Viscosity		9.4 38	
pH / Fluid Loss		9.5 10.8	
Source of Sample		Flowline	
Rm @ Meas. Temp		.76 @ 52	
Rmf @ Meas. Temp		.57 @ 52	
Rmc @ Meas. Temp		1.03 @ 52	
Source of Rmf / Rmc		Charts	
Rm @ BHT		.36 @ 110	
Operating Rig Time		3 Hours	
Max Rec. Temp. F		110	
Equipment Number		10	
Location		Hays	
Recorded By		J. Henrickson	
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

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(785) 625-3858

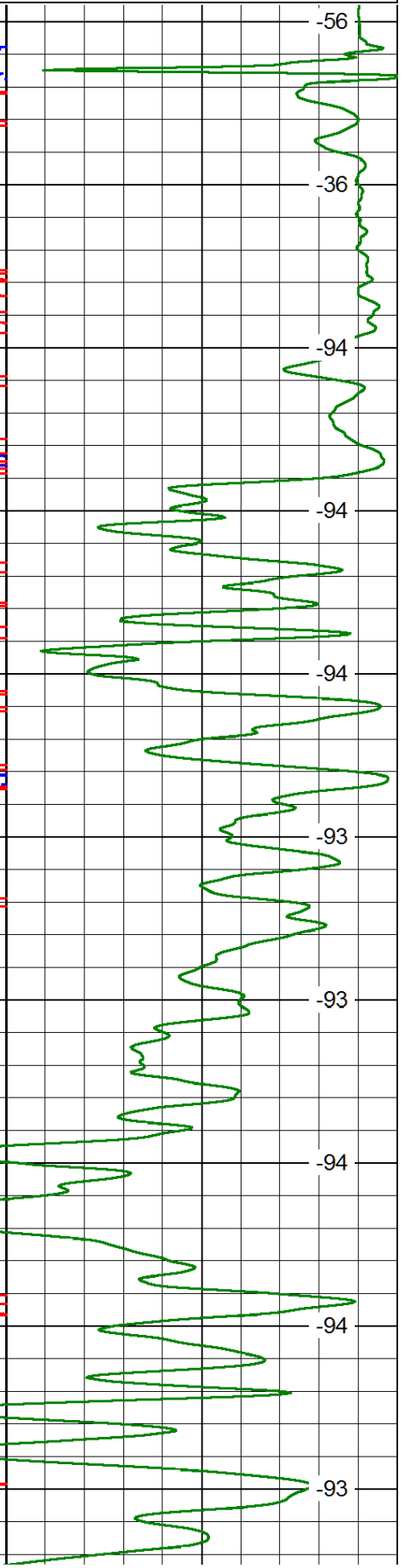
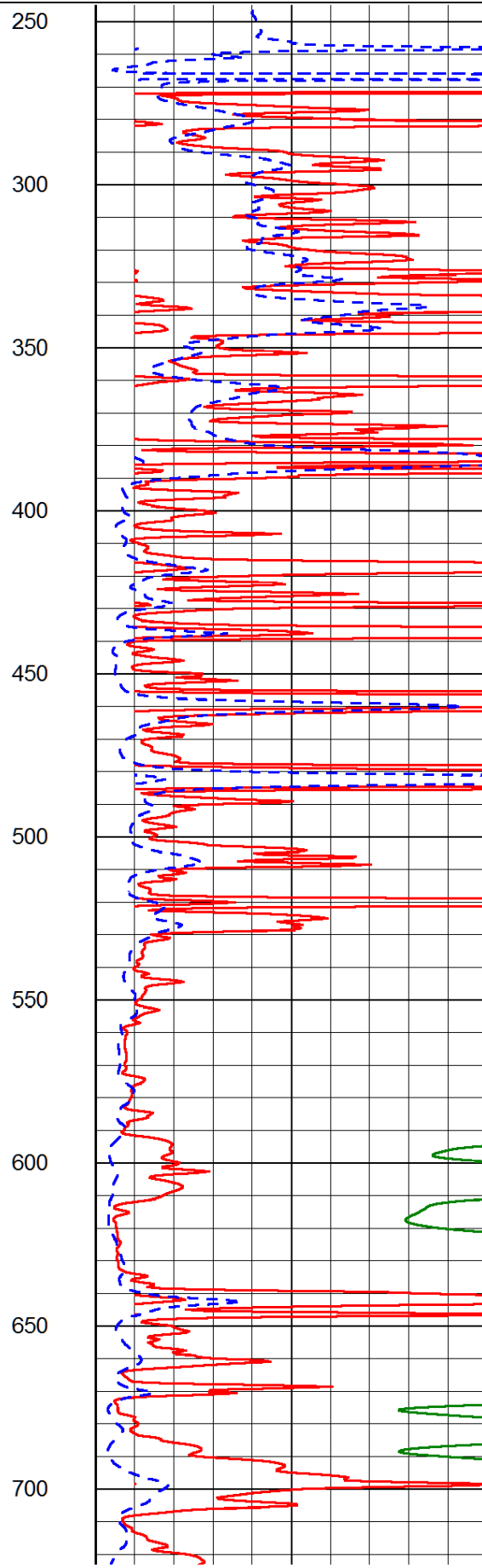
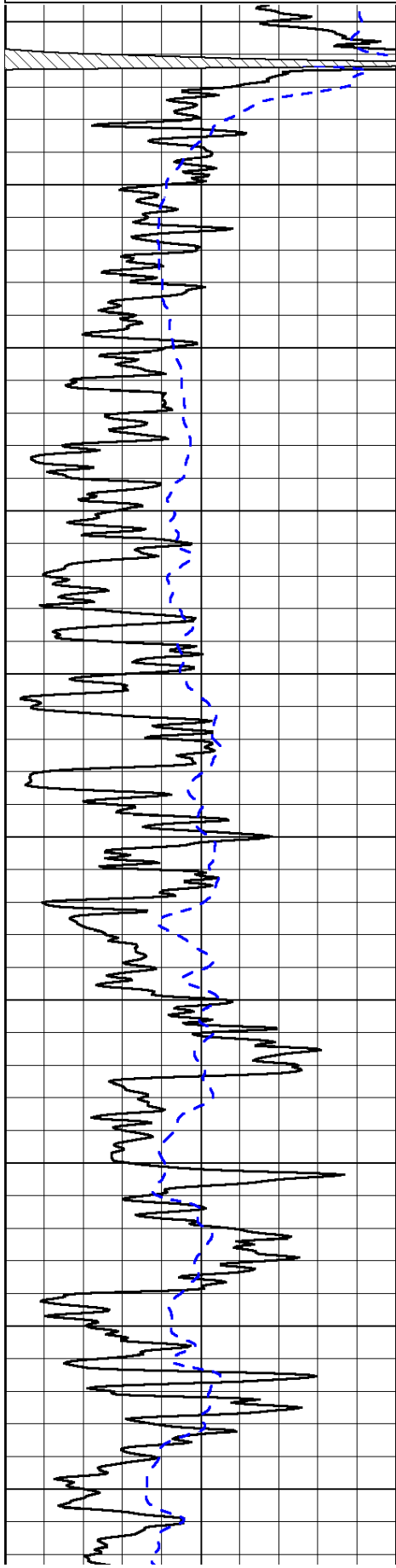
Mcpherson Kansas
South Exit, 2 1/2 West to HWY 81, South to Cheyenne Rd, 1/2 East, North Into

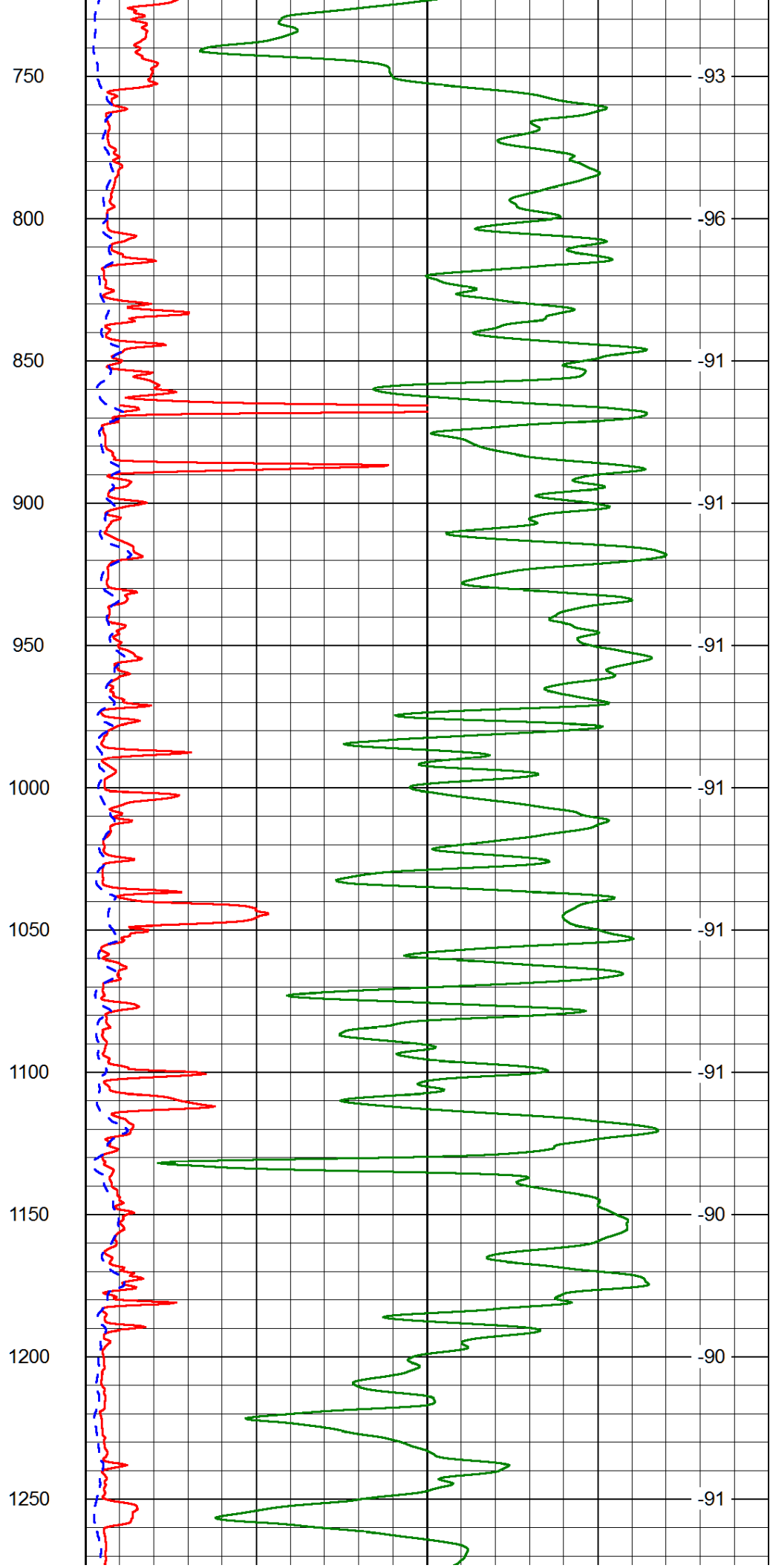
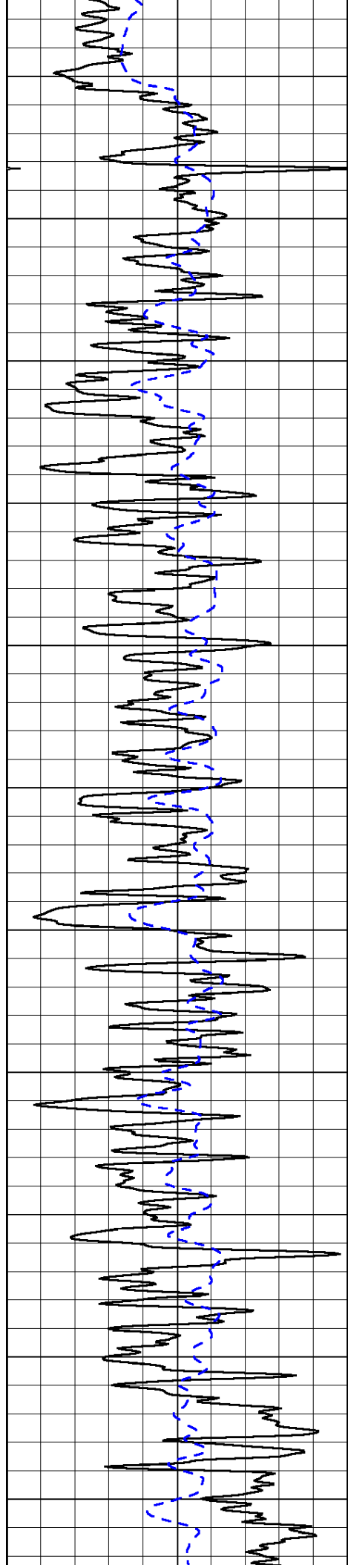
Database File: kermit_schmidt_ja_krehbiel_c_1hd.db
Dataset Pathname: DIL/ksstk
Presentation Format: dil2in
Dataset Creation: Thu Nov 20 03:36:28 2014
Charted by: Depth in Feet scaled 1:600

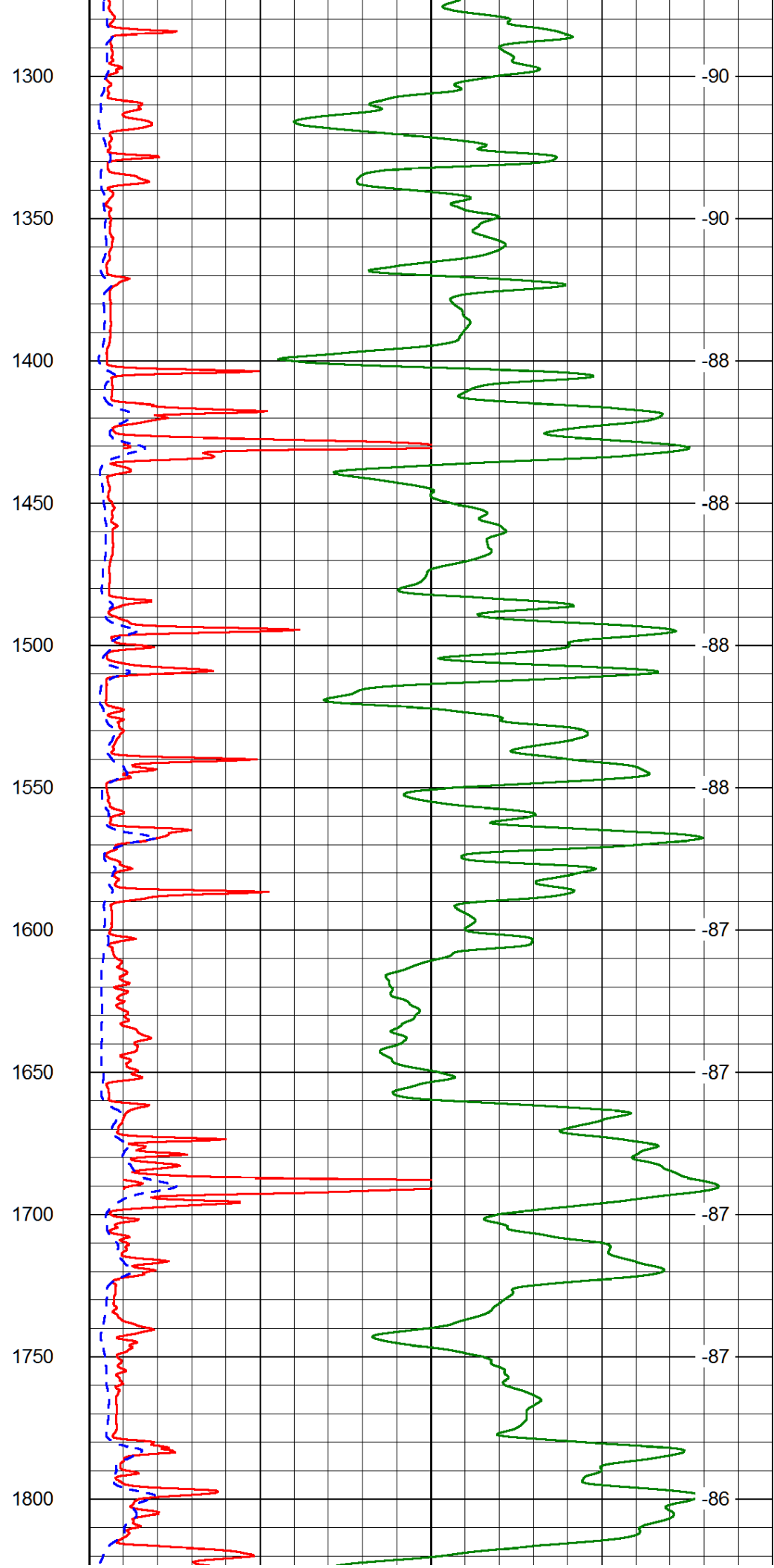
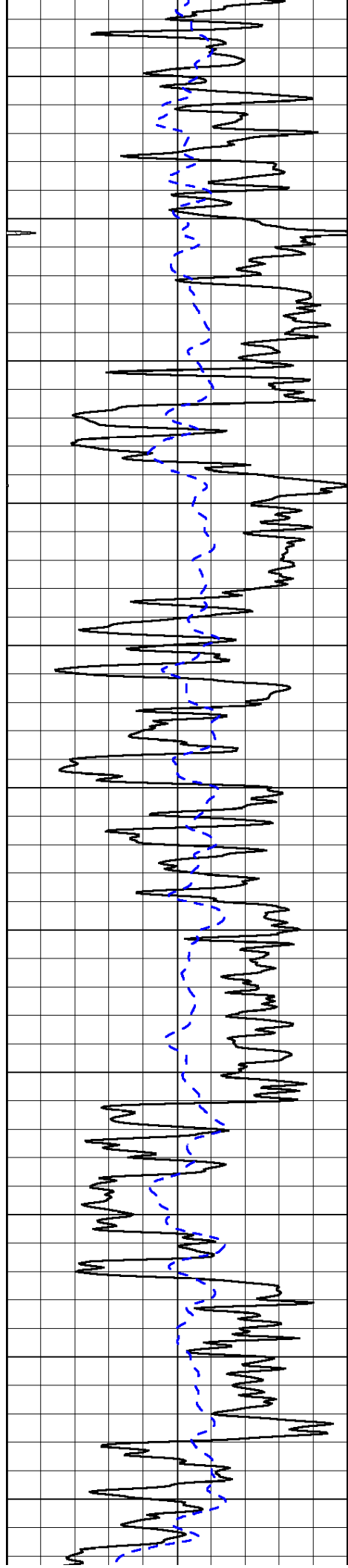
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-200	SP (mV)	0

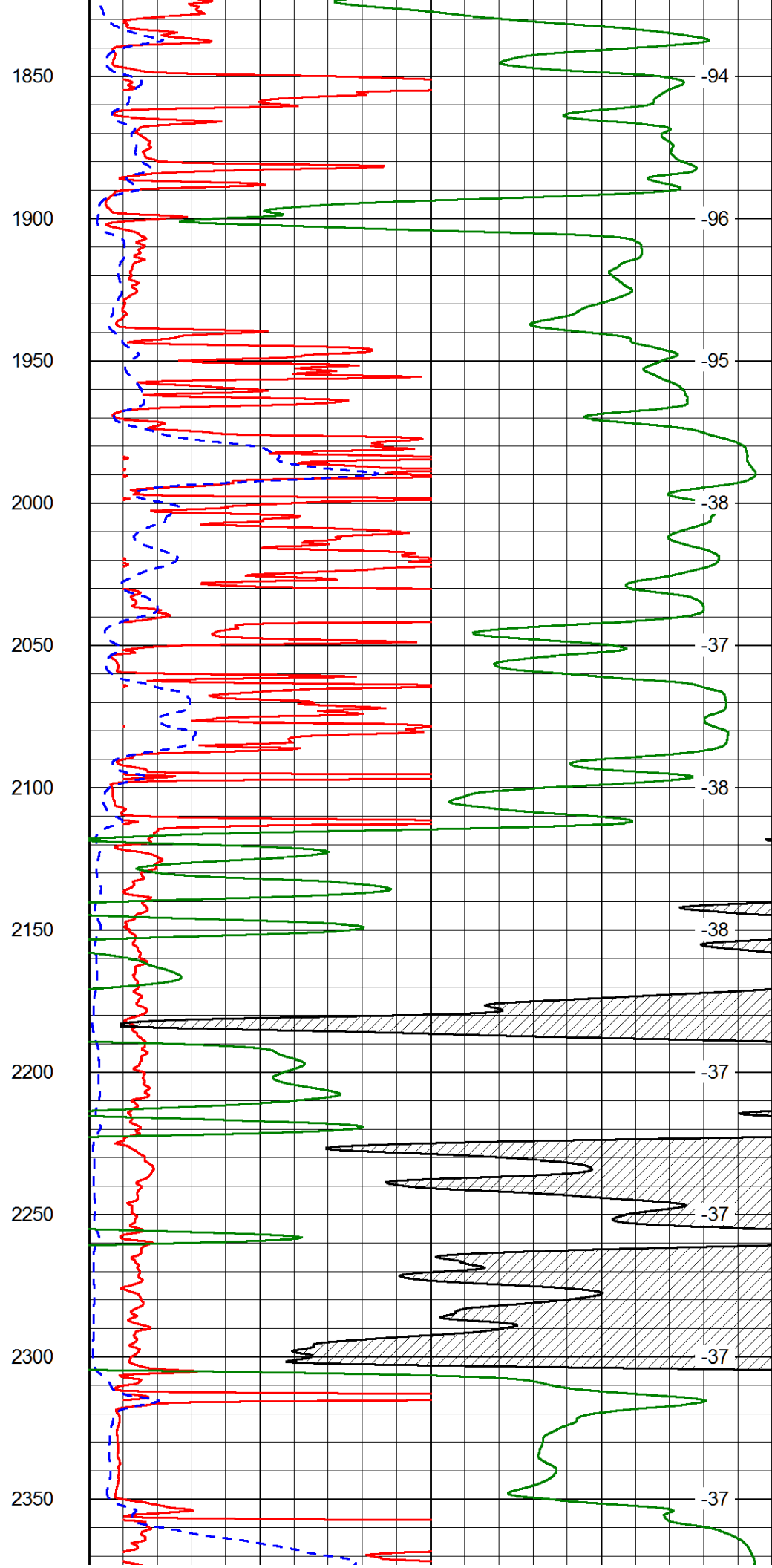
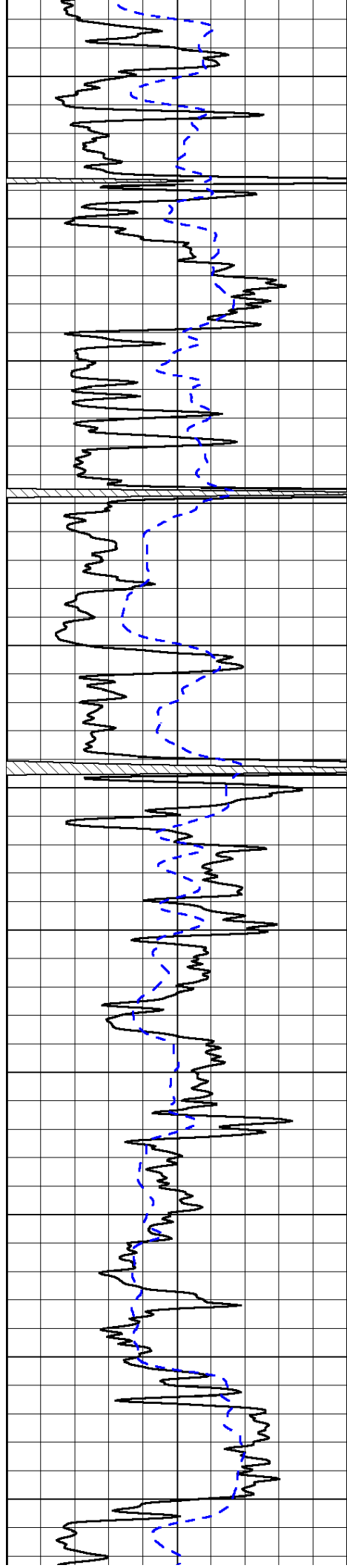
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

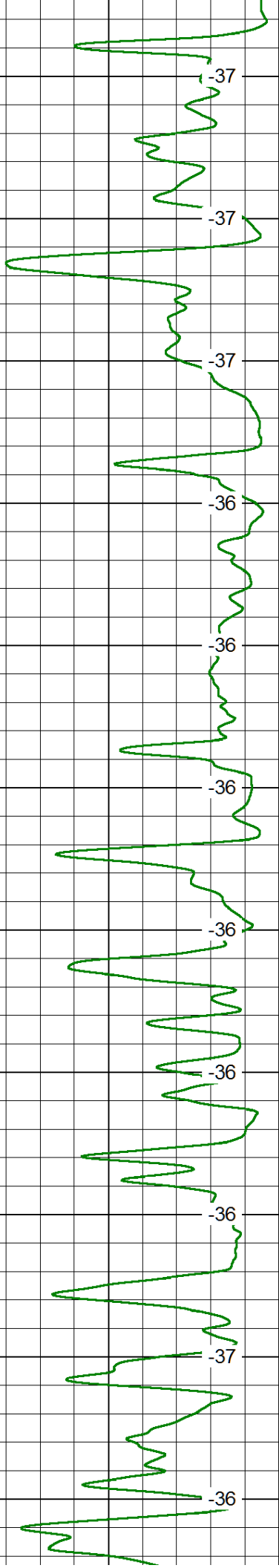
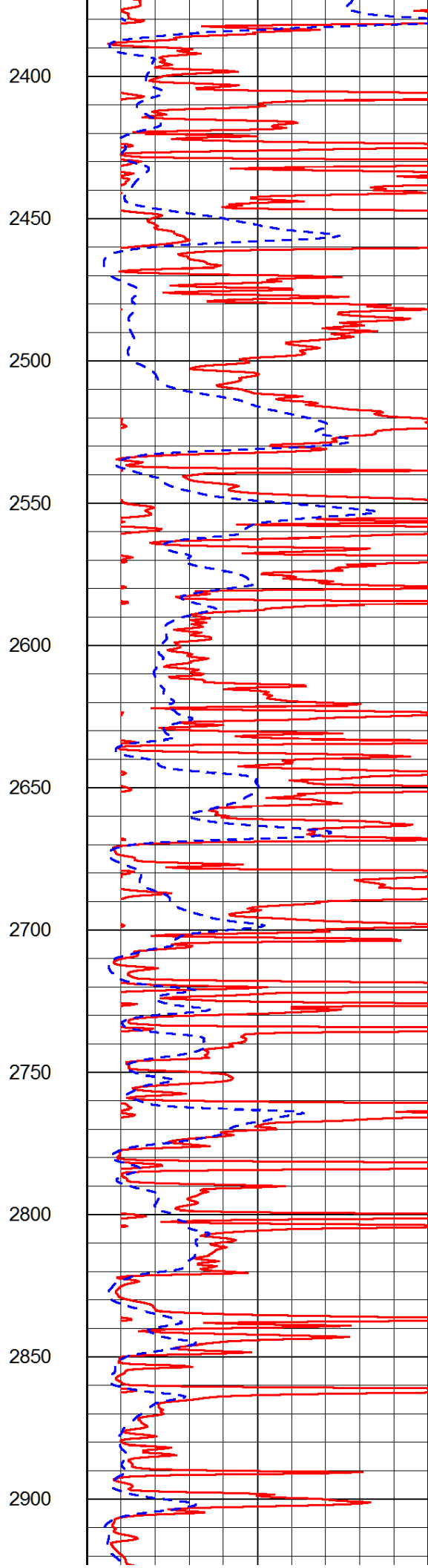
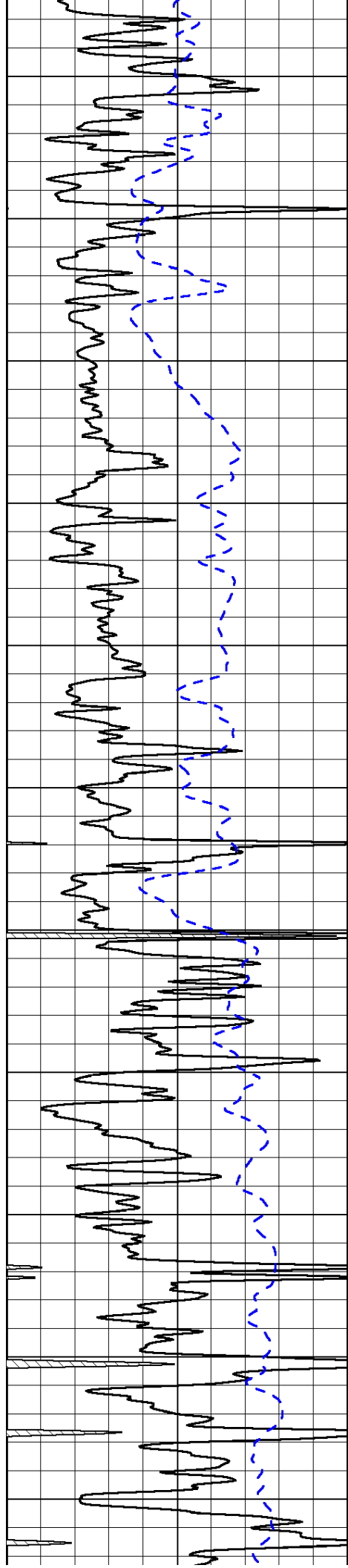
50	Shallow Resistivity	500
50	Deep Resistivity	500

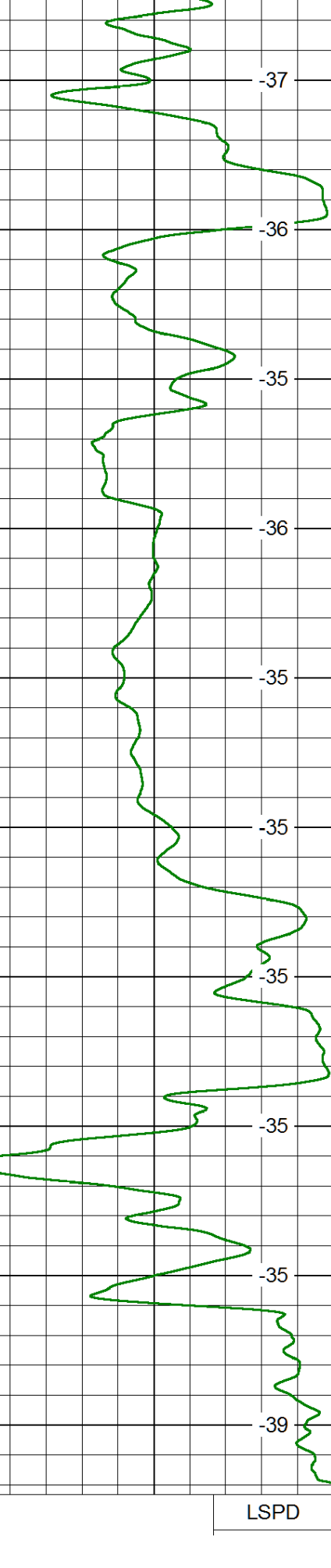
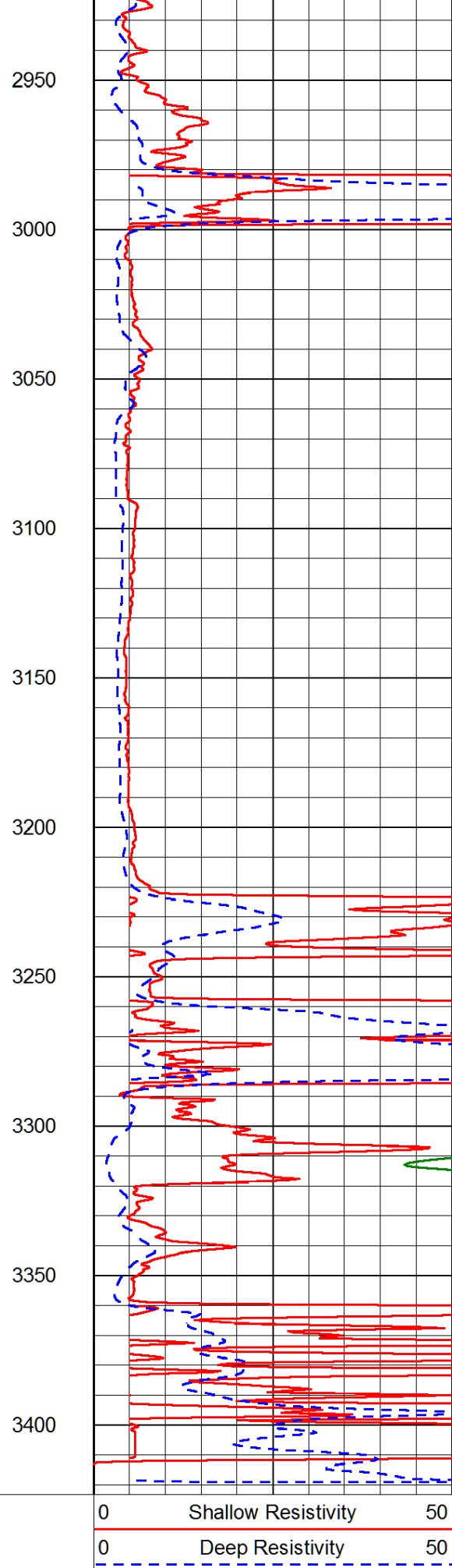
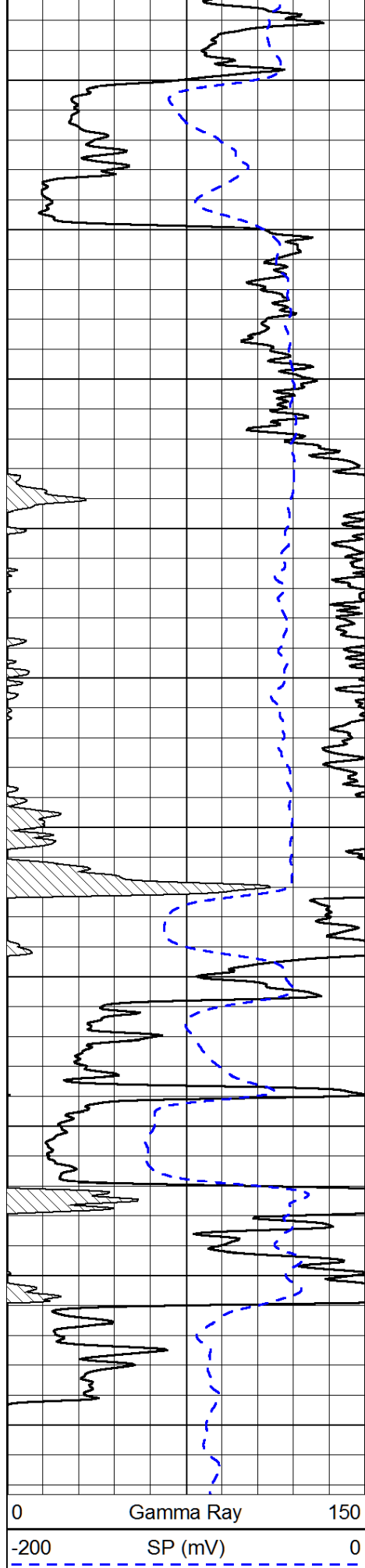












0 Gamma Ray 150
-200 SP (mV) 0

0 Shallow Resistivity 50
0 Deep Resistivity 50

LSPD
0

1000 Conductivity 0
15000 Line Tension 0

50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File:

kermit_schmidt_ja_krehbiel_c_1hd.db

Dataset Pathname:

DIL/ksstk

Presentation Format:

dil

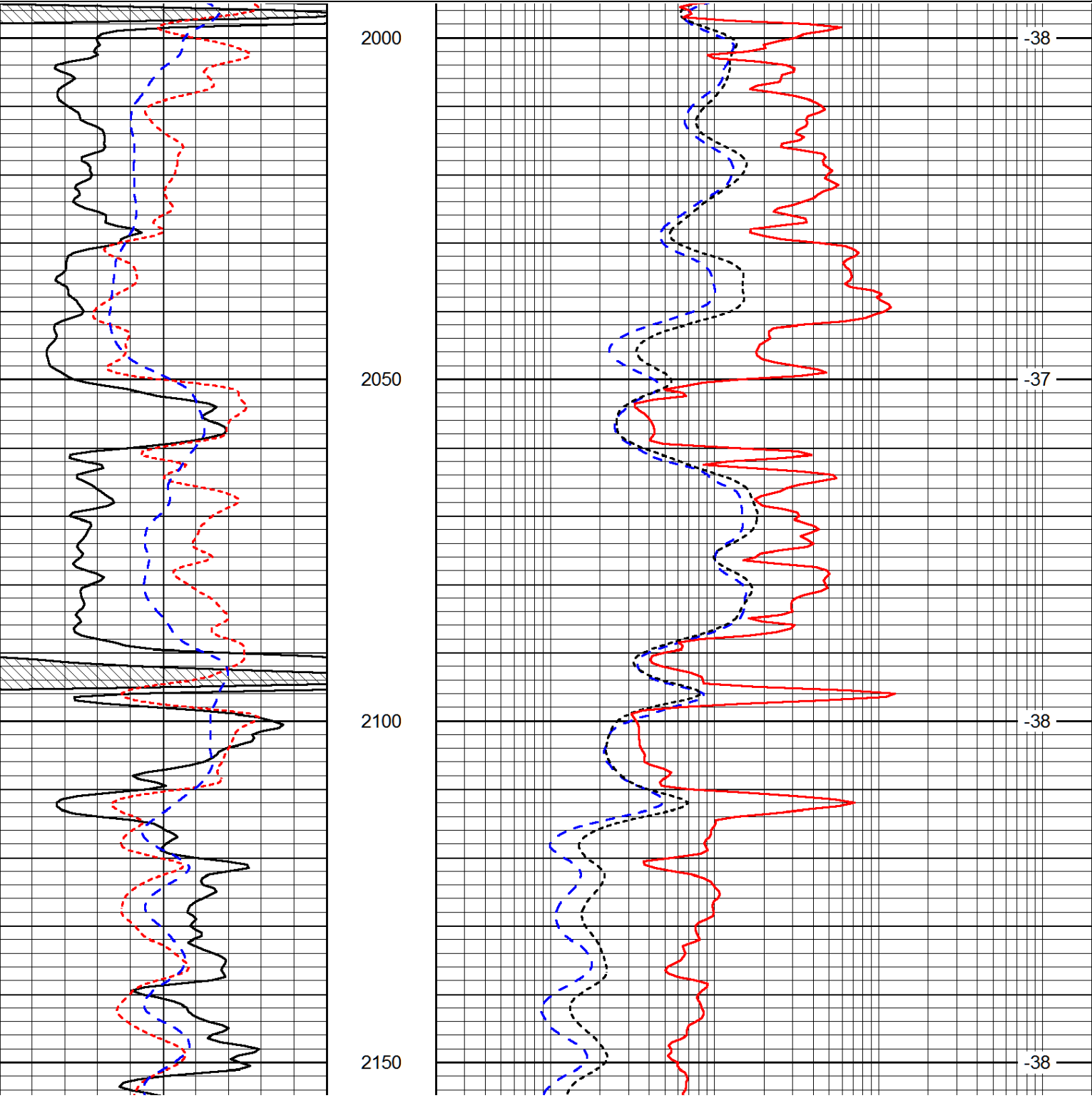
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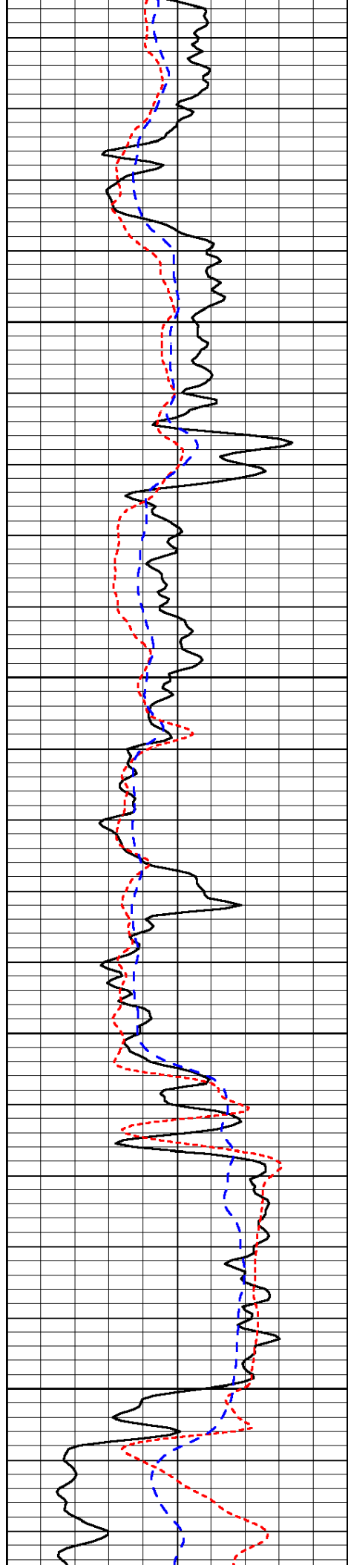
Thu Nov 20 03:36:28 2014

Charted by:

Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RxoRt	40	0.2	Medium Resistivity	2000
-200	SP (mV)	0	0.2	Shallow Resistivity	2000
			10000	Line Tension	0
					LSPD



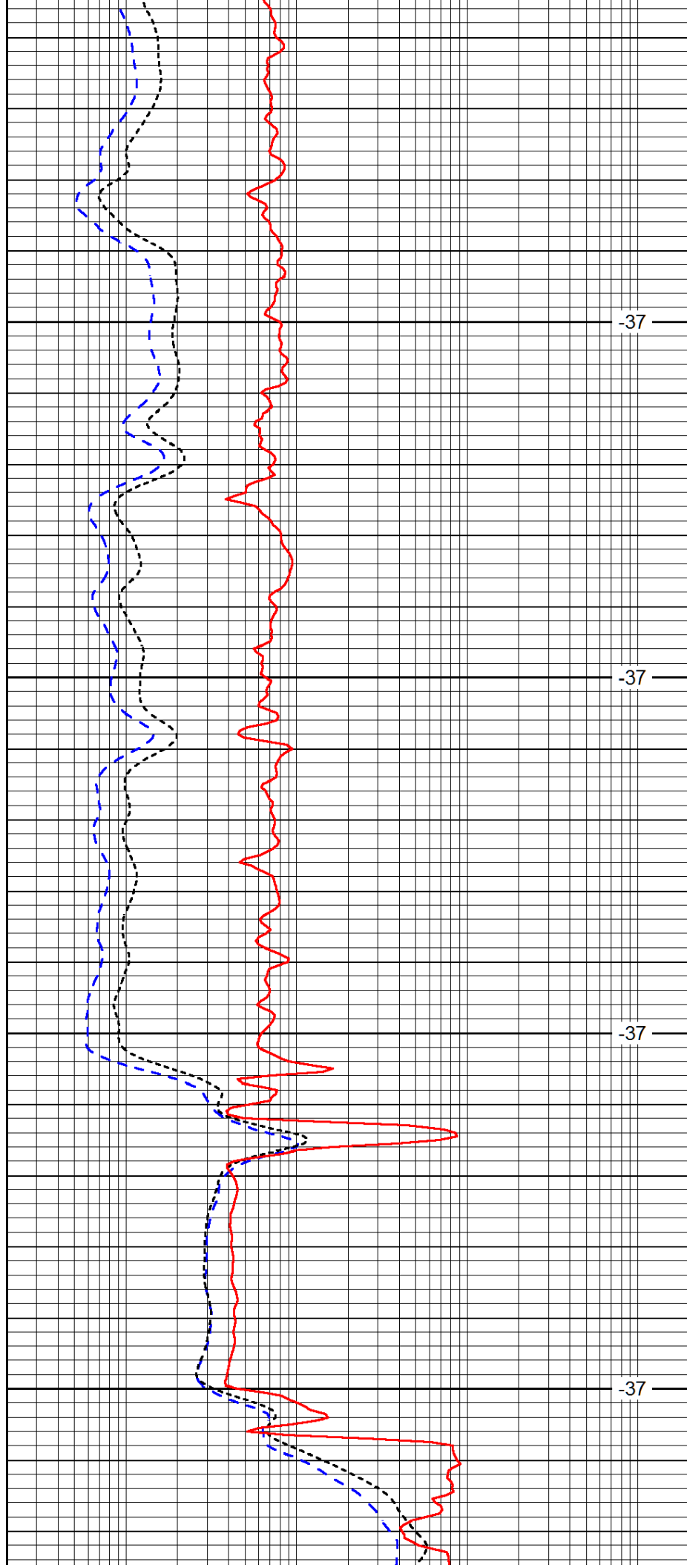


2200

2250

2300

2350

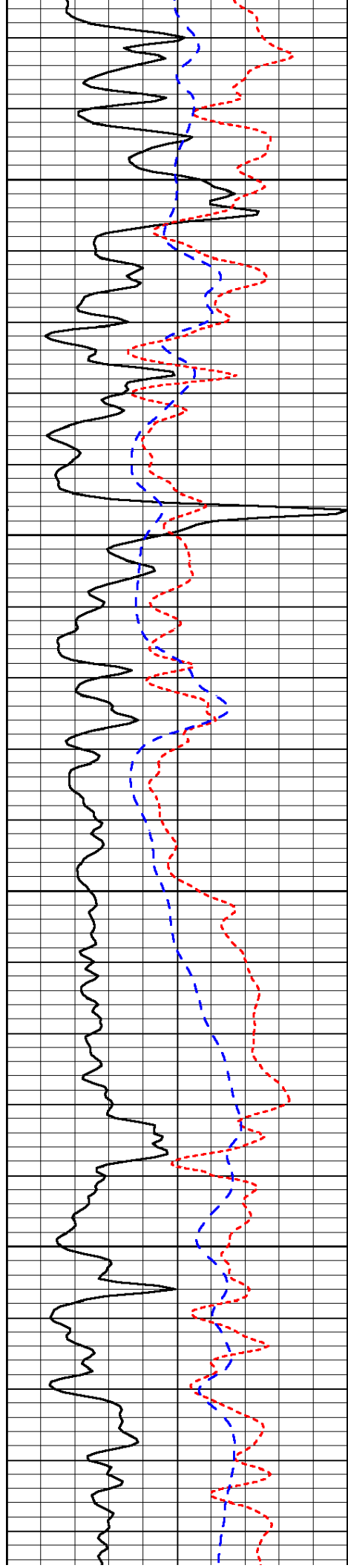


-37

-37

-37

-37

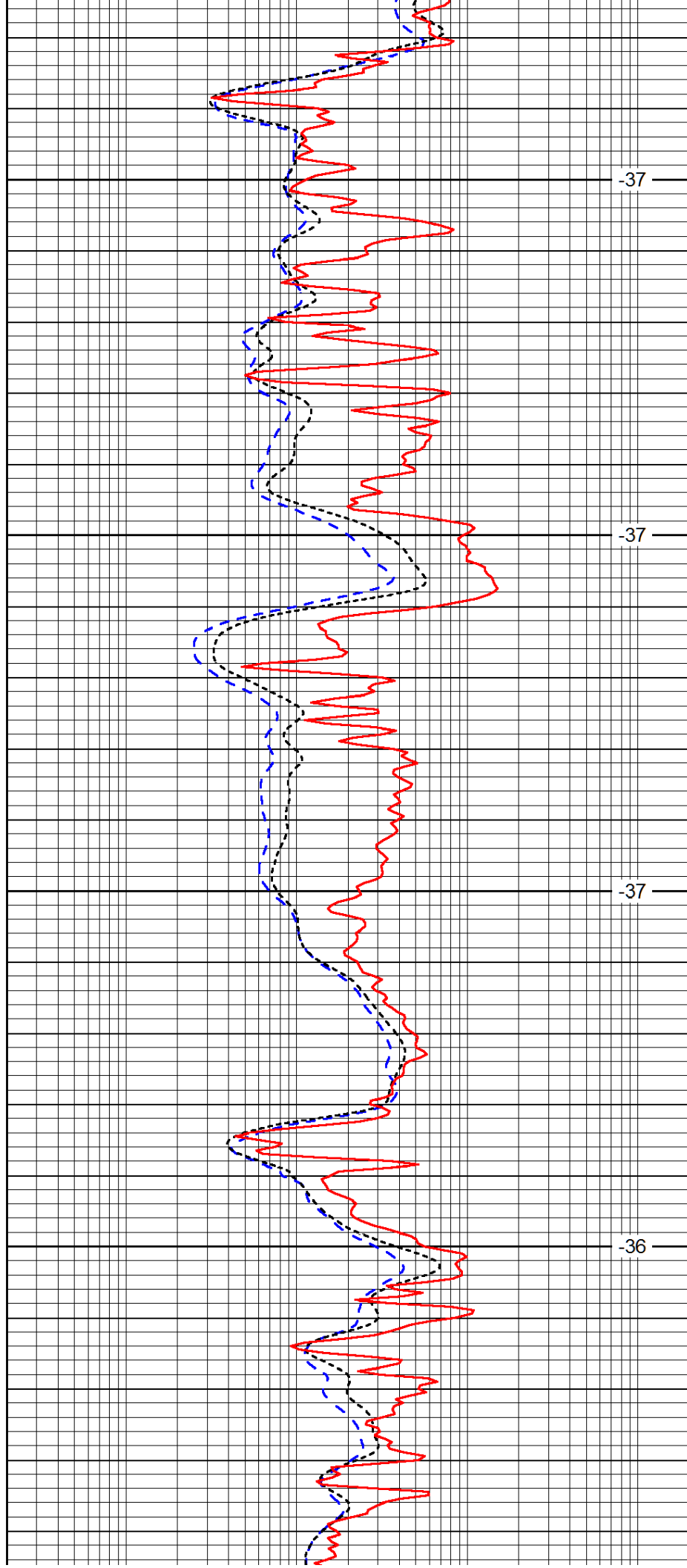


2400

2450

2500

2550

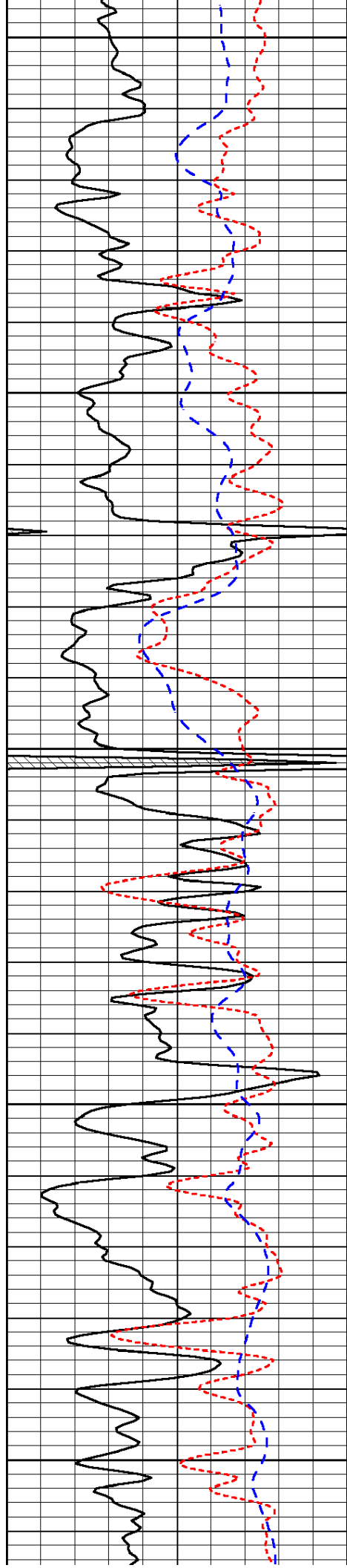


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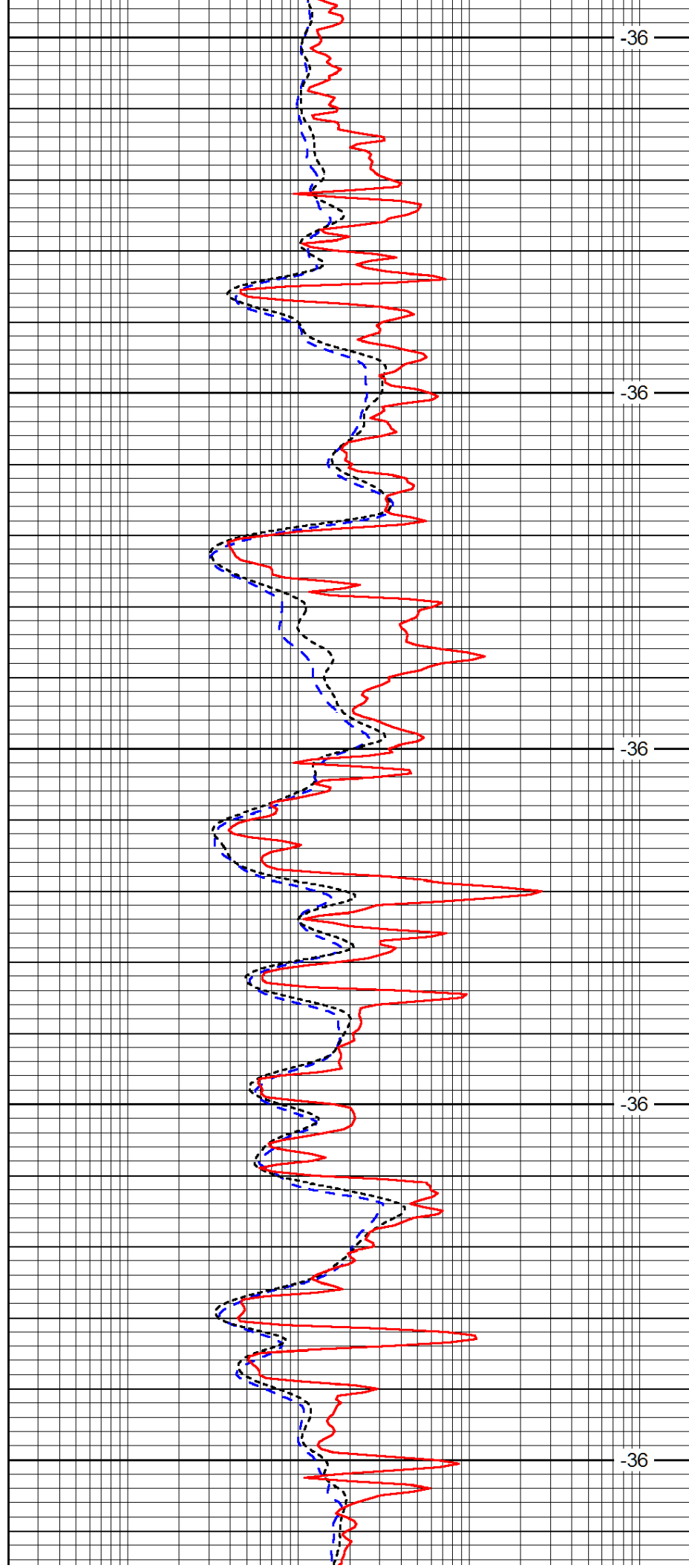
2600

2650

2700

2750

2800



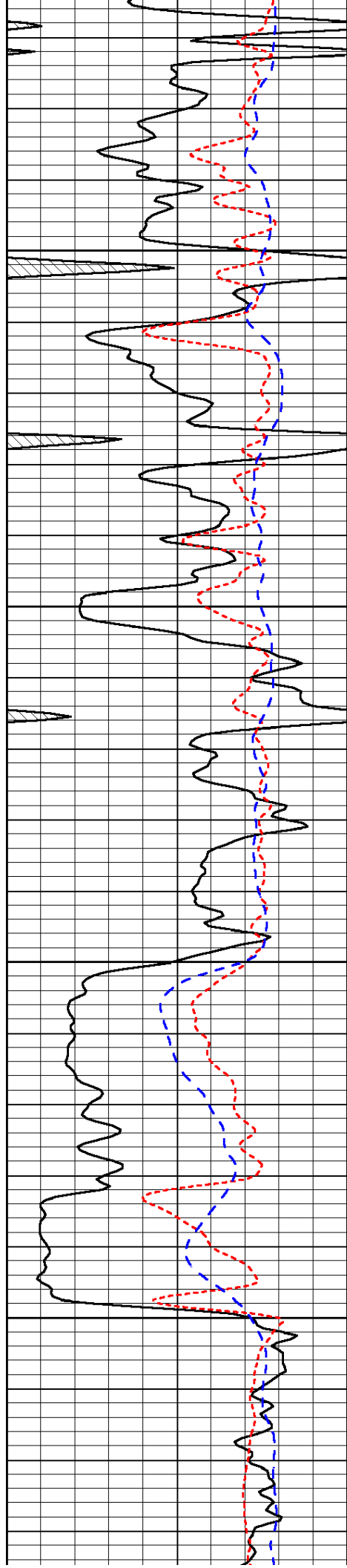
-36

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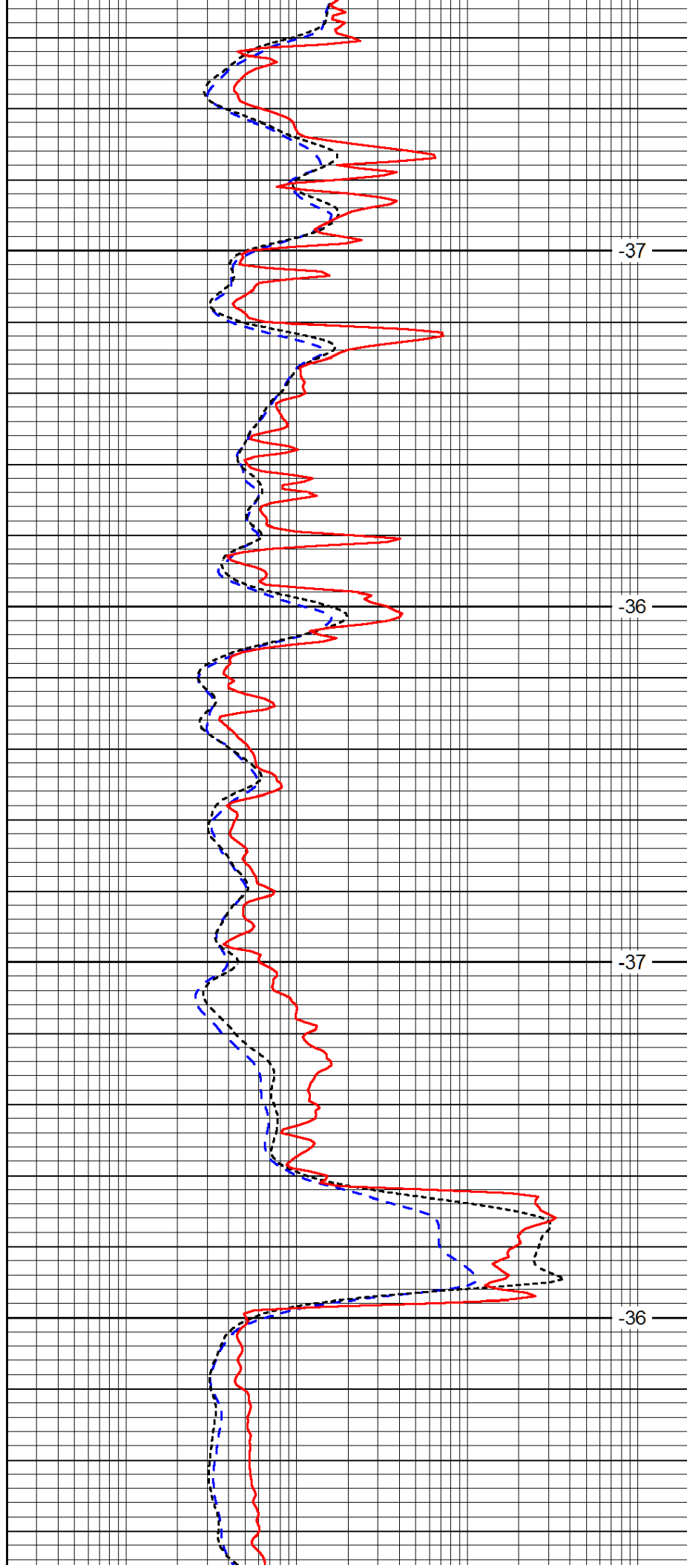


2850

2900

2950

3000

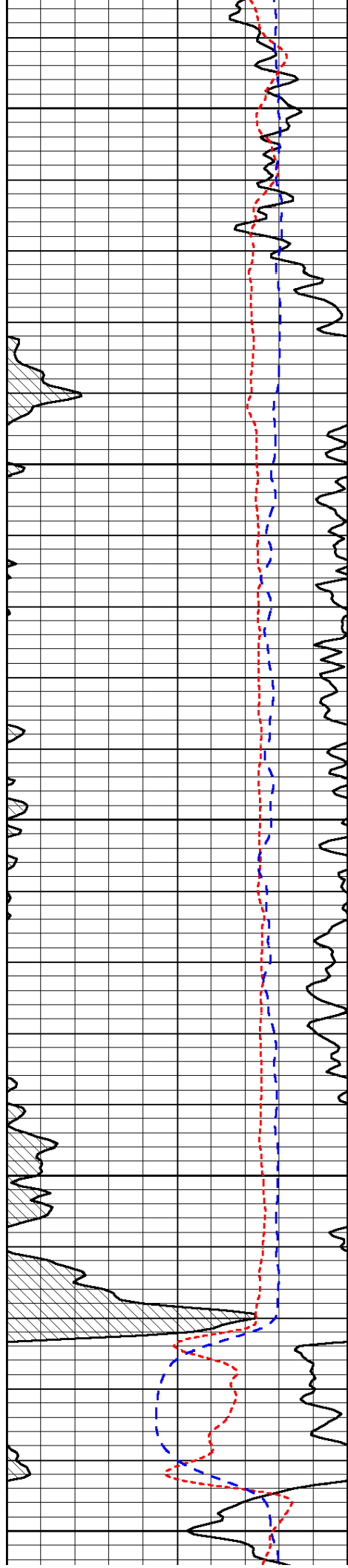


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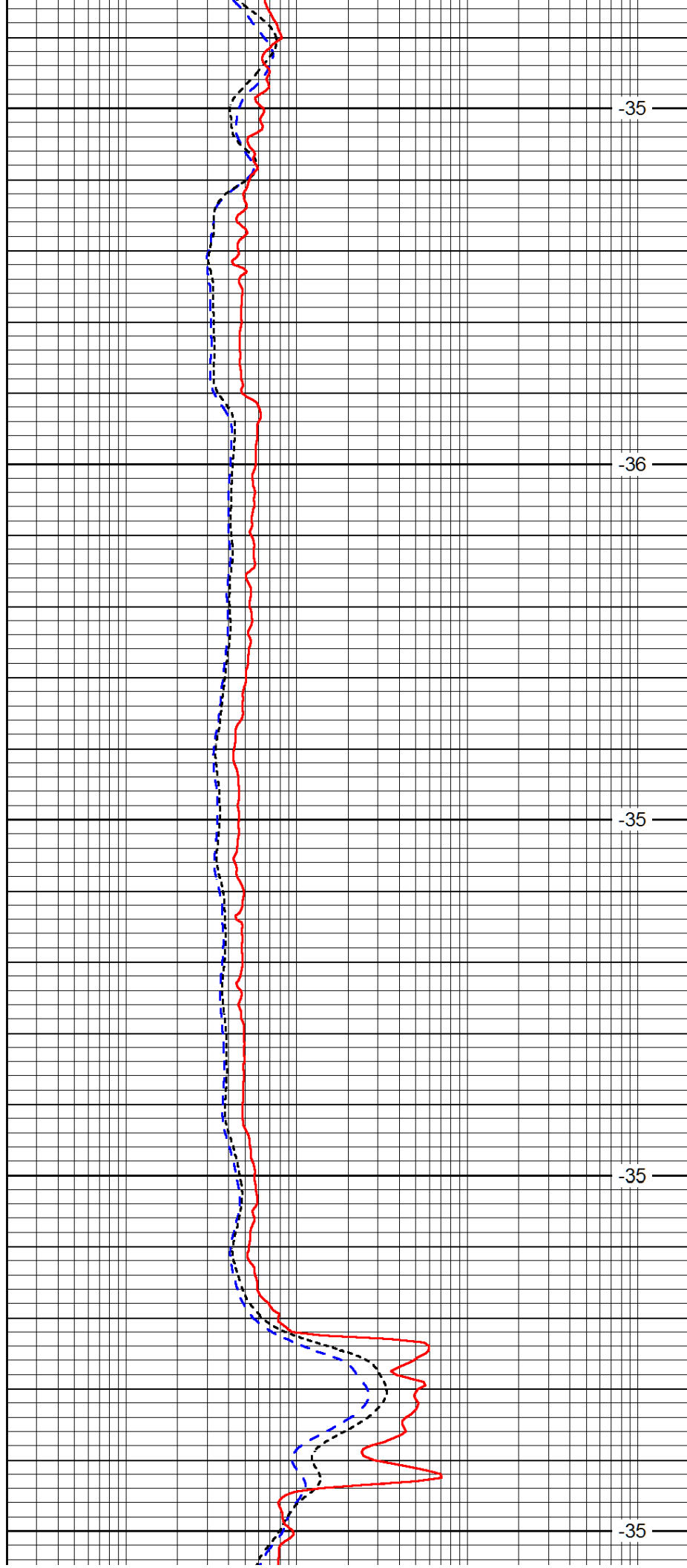
3050

3100

3150

3200

3250



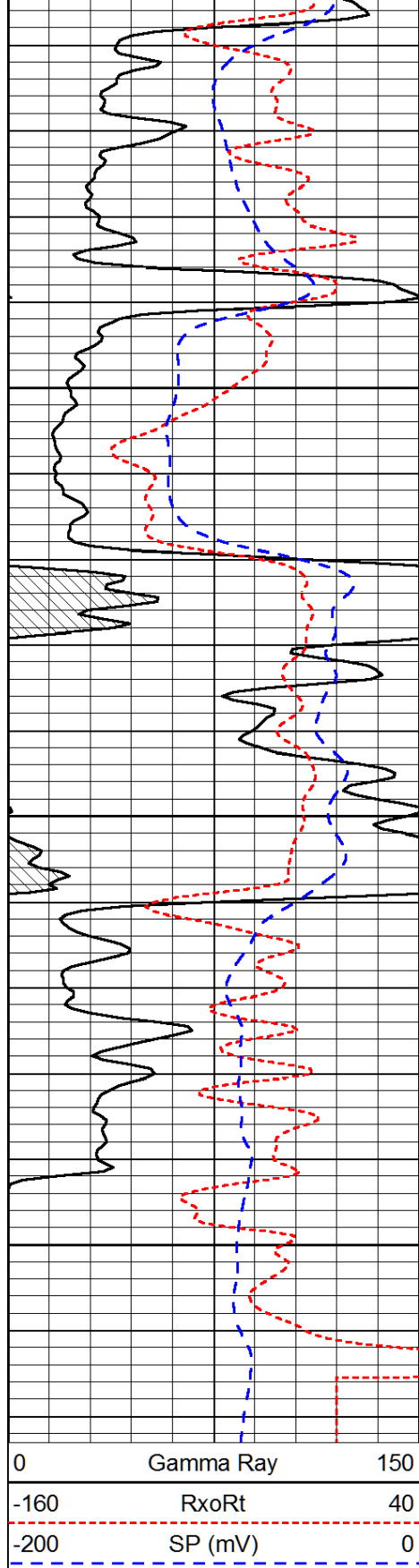
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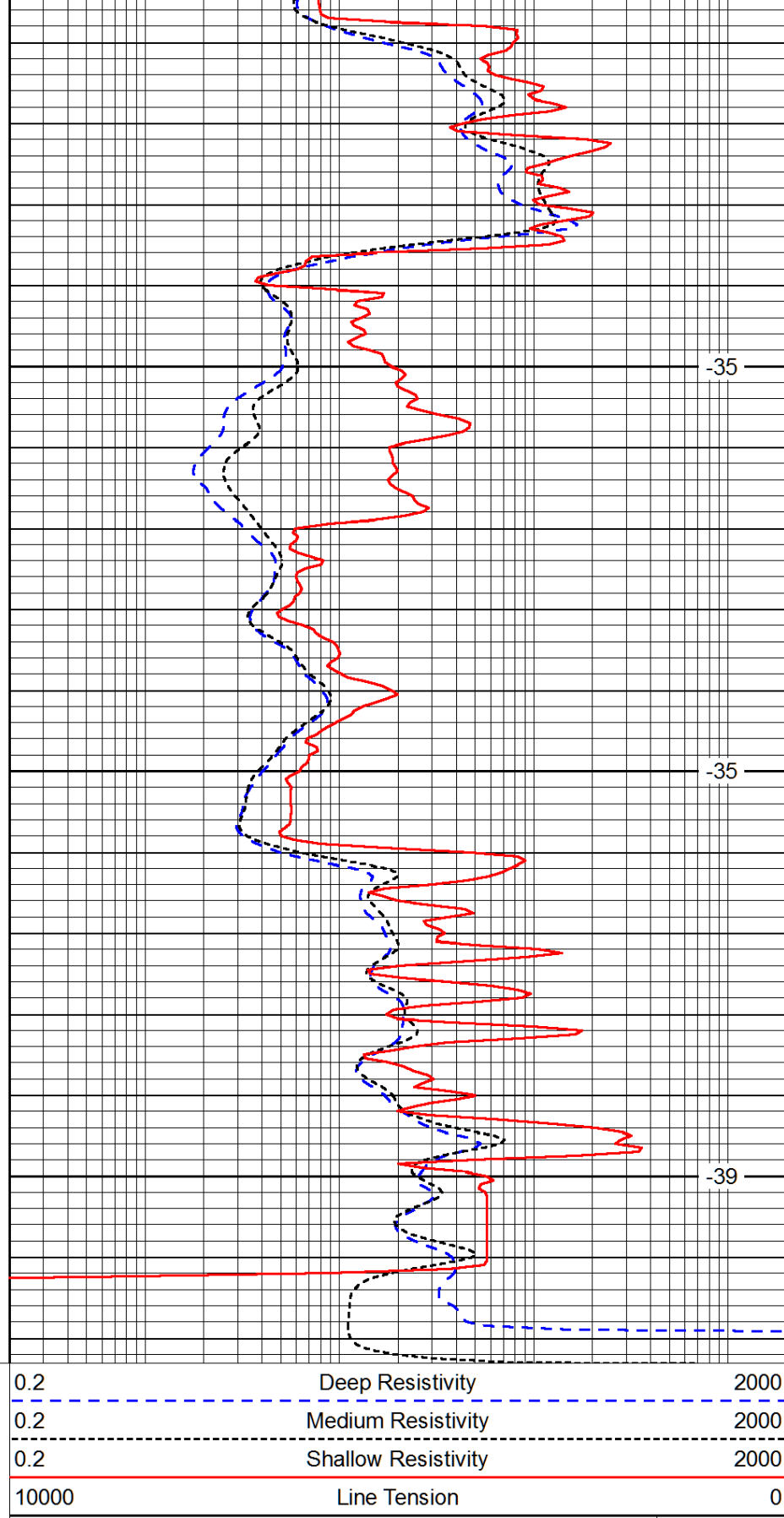
-35



3300

3350

3400



LSPD