



Dual Induction Log

Pioneer Energy Services

API No.	Company Berexco, LLC									
	Well Theresa #1-27									
	Field East Fork									
	County	Rawlins		State		Kansas				
15-153-21121-00-00	Location					330' FNL & 2280' FWL				
	Sec: 27		Twp: 1S		Rge: 36W		Other Services			
						RAG/MEL				
Permanent Datum		Ground Level		Elevation 3122		Elevation				
Log Measured From		Kelly Bushing		11 Ft. Above Perm. Datum		K.B. 3133				
Drilling Measured From		Kelly Bushing				D.F. 3122				
Date		3/24/2015				G.L. 3122				
Run Number		Two								
Depth Driller		4400								
Depth Logger		4402								
Bottom Logged Interval		4401								
Top Log Interval		300								
Casing Driller		8.625 @ 300								
Casing Logger		304								
Bit Size		7.875								
Type Fluid in Hole		Chemical								
Salinity, ppm CL		1000								
Density / Viscosity		9.5	53							
pH / Fluid Loss		9.5	7.2							
Source of Sample		Flowline								
Rm @ Meas. Temp		1.20 @ 52								
Rmf @ Meas. Temp		0.90 @ 52								
Rmc @ Meas. Temp		1.62 @ 52								
Source of Rmf / Rmc		Charts								
Rm @ BHT		0.52 @ 120								
Operating Rig Time		4 Hours								
Max Rec. Temp. F		120								
Equipment Number		91								
Location		Hays								
Recorded By		D. Schmidt								
Witnessed By		Bryan Bynog								

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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

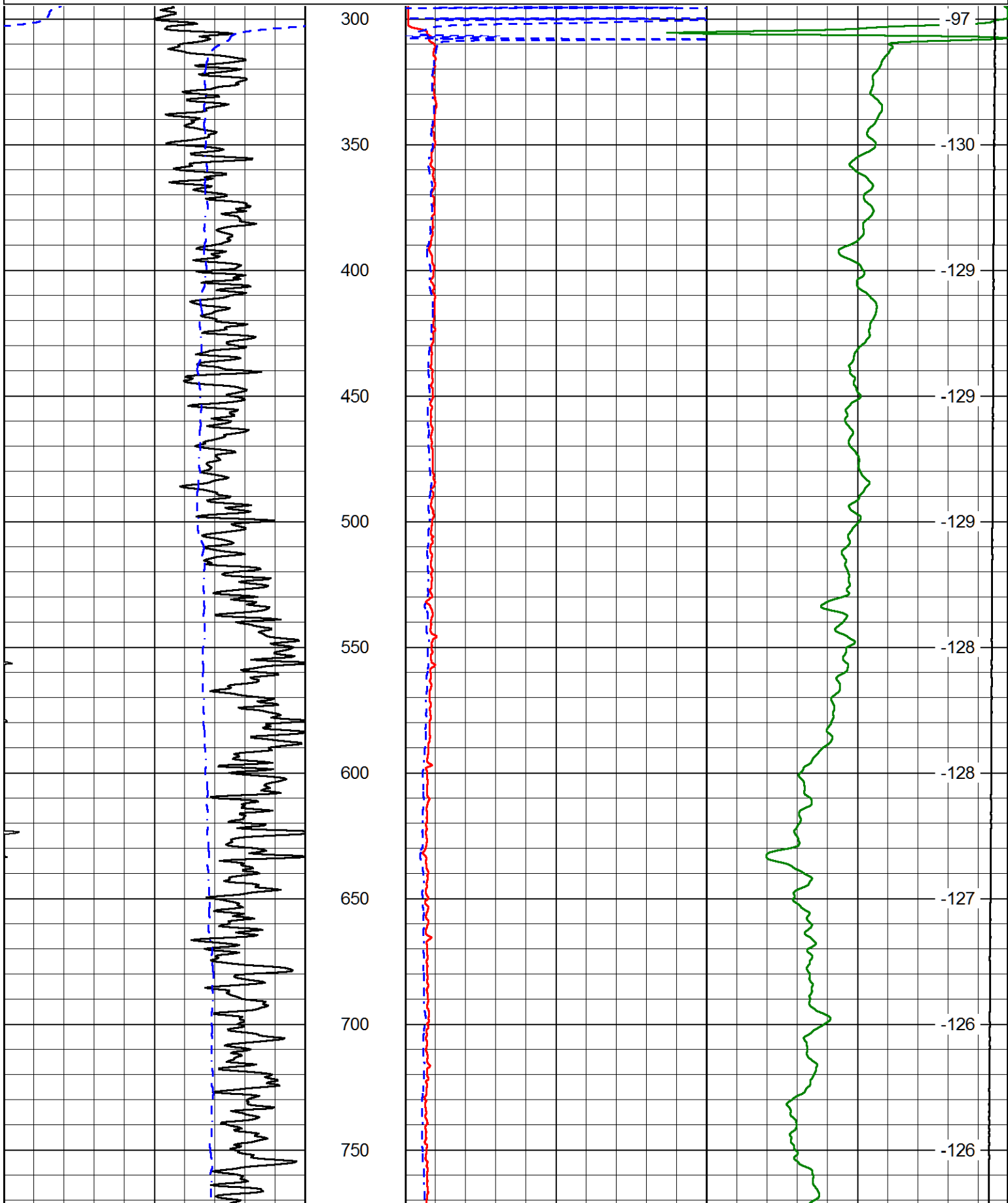
Thank you for using Pioneer Energy Services
785.625.3858

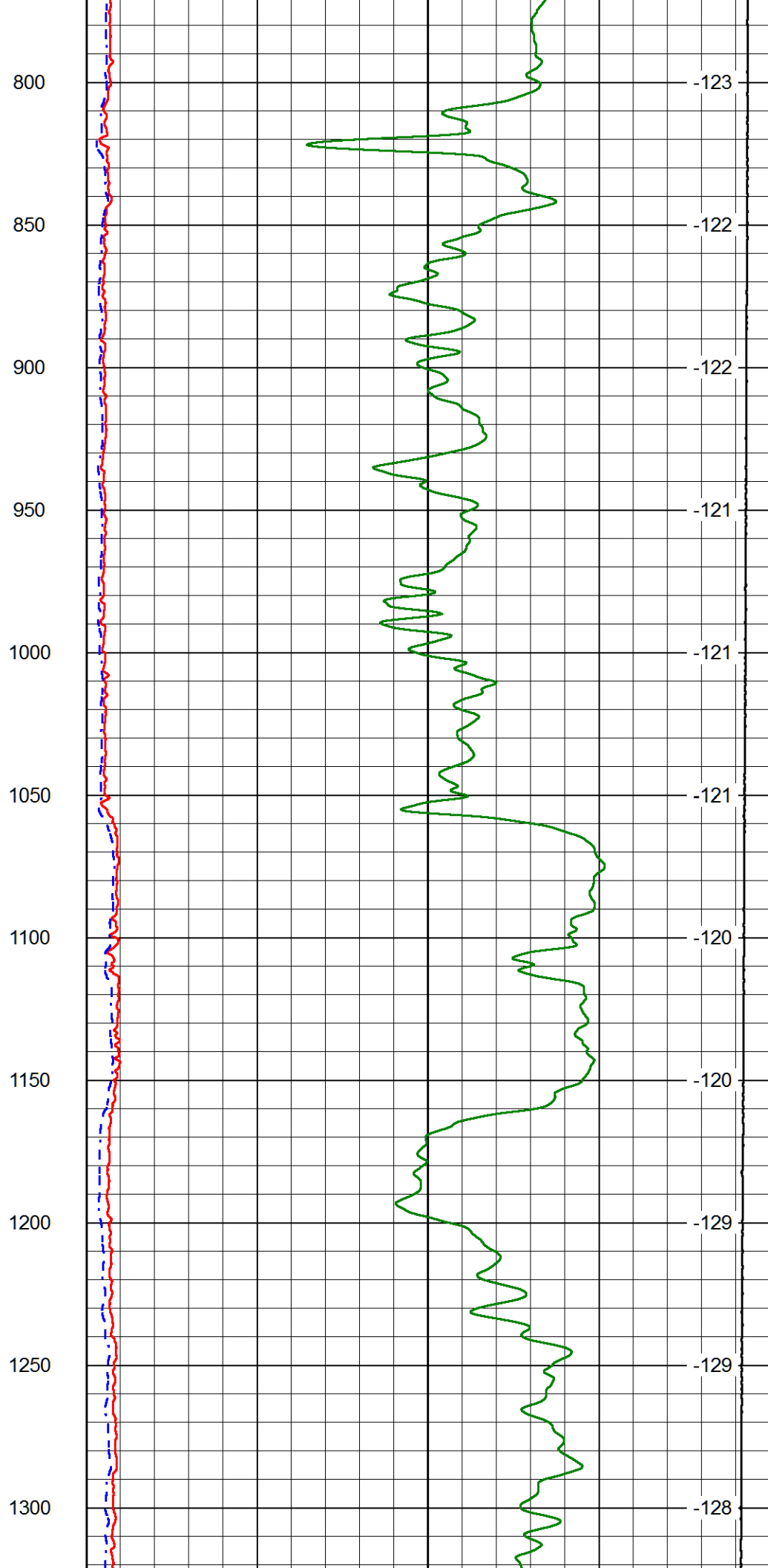
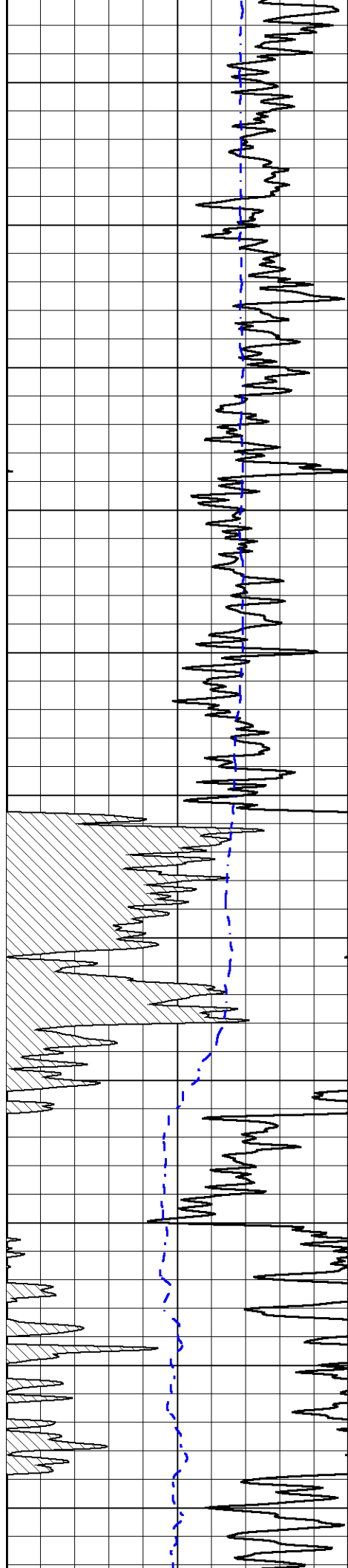
McDonald,
North to Z Rd, 1/2 East,
1 1/2 North to location

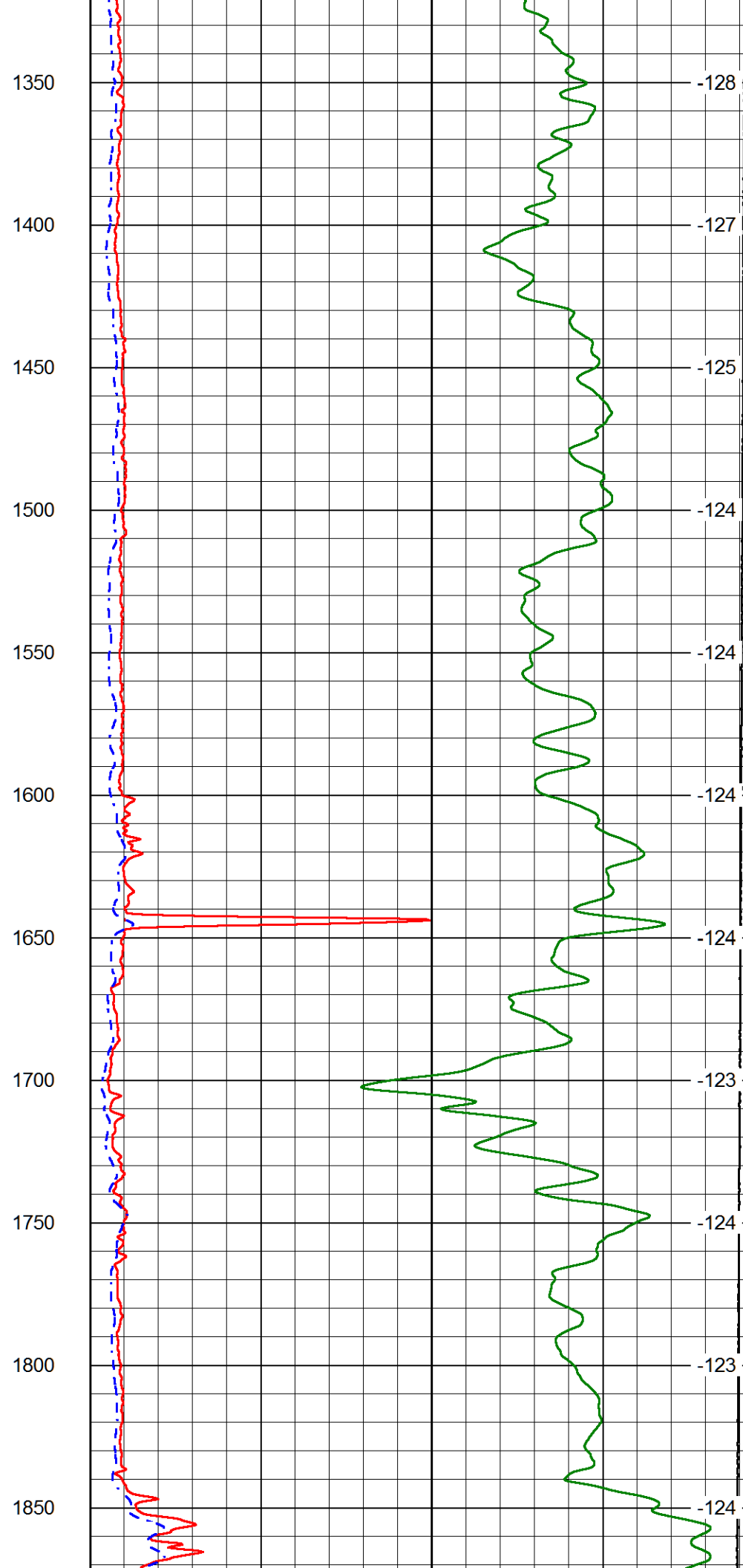
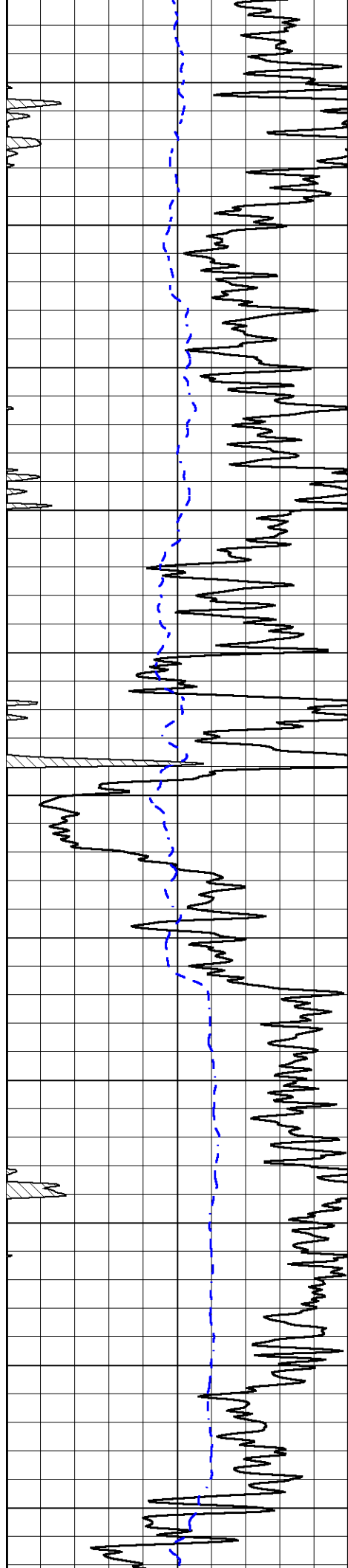
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Dataset Pathname dil/bxrgmdl
Presentation Format dil2in
Dataset Creation Tue Mar 24 14:34:40 2015
Charted by Depth in Feet scaled 1:600

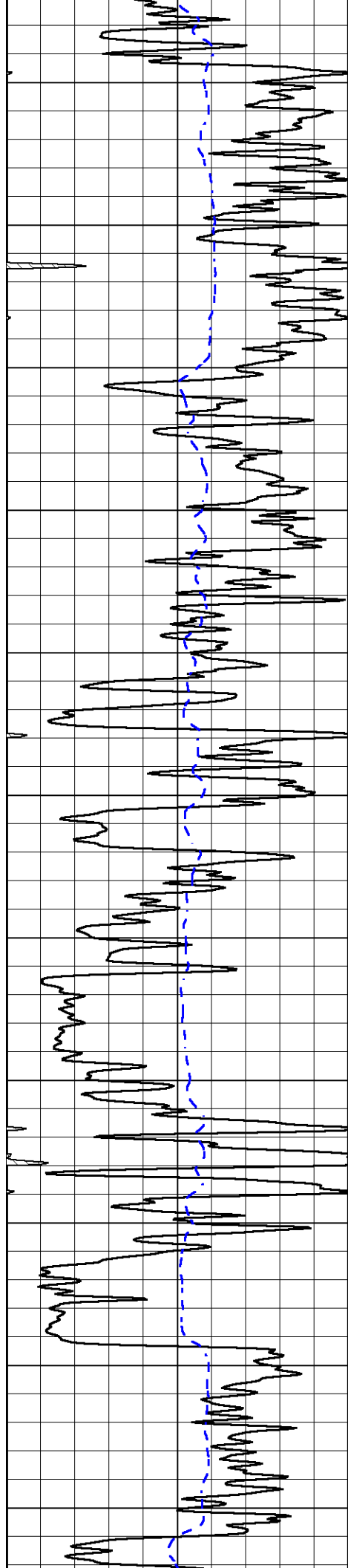
0	Gamma Ray	150
-200	SP (mV)	0

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

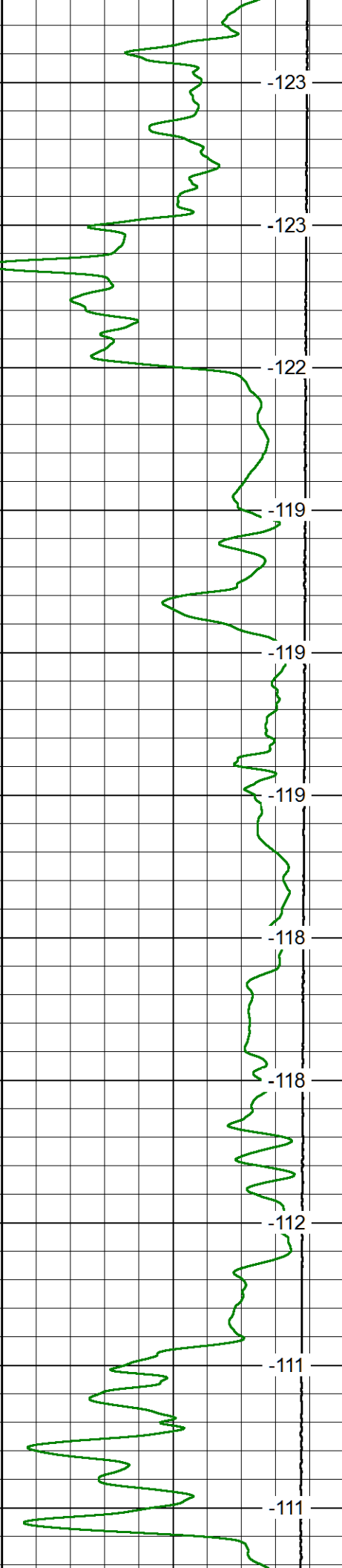
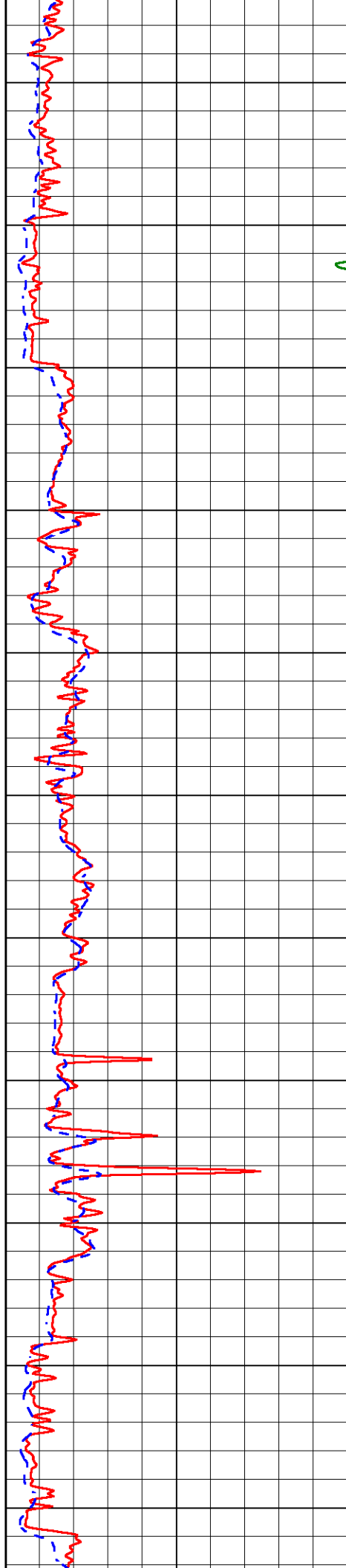




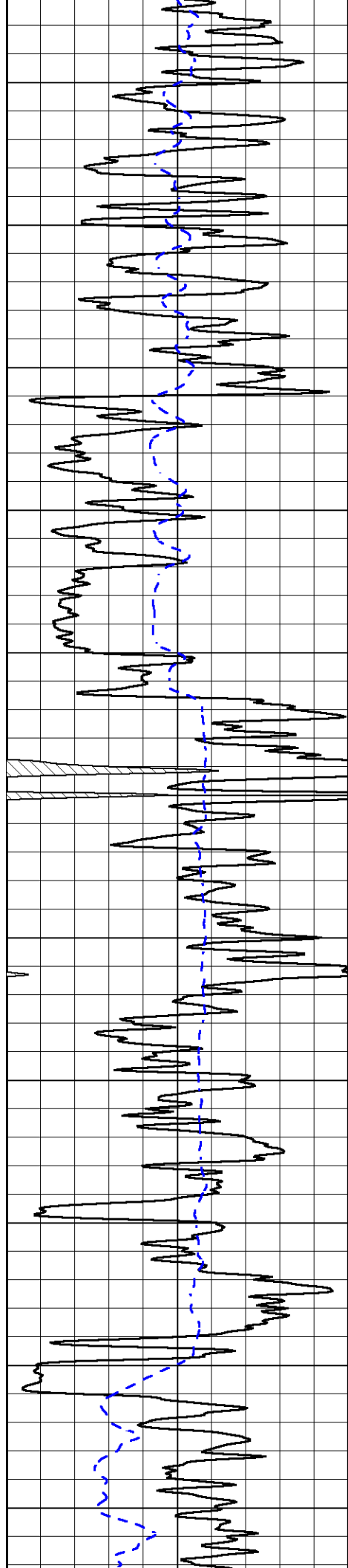




1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400



-123
-123
-122
-119
-119
-119
-118
-118
-112
-111
-111



2450

2500

2550

2600

2650

2700

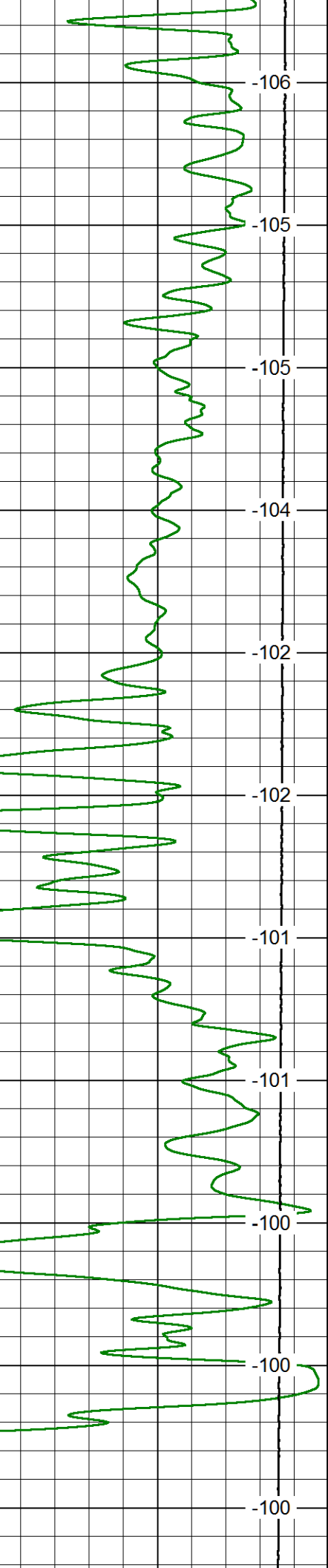
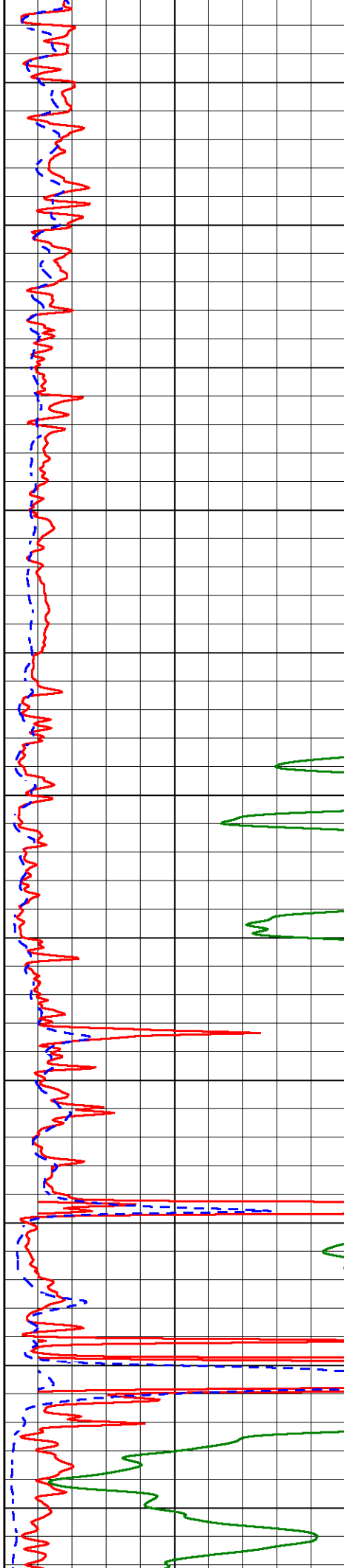
2750

2800

2850

2900

2950



-106

-105

-105

-104

-102

-102

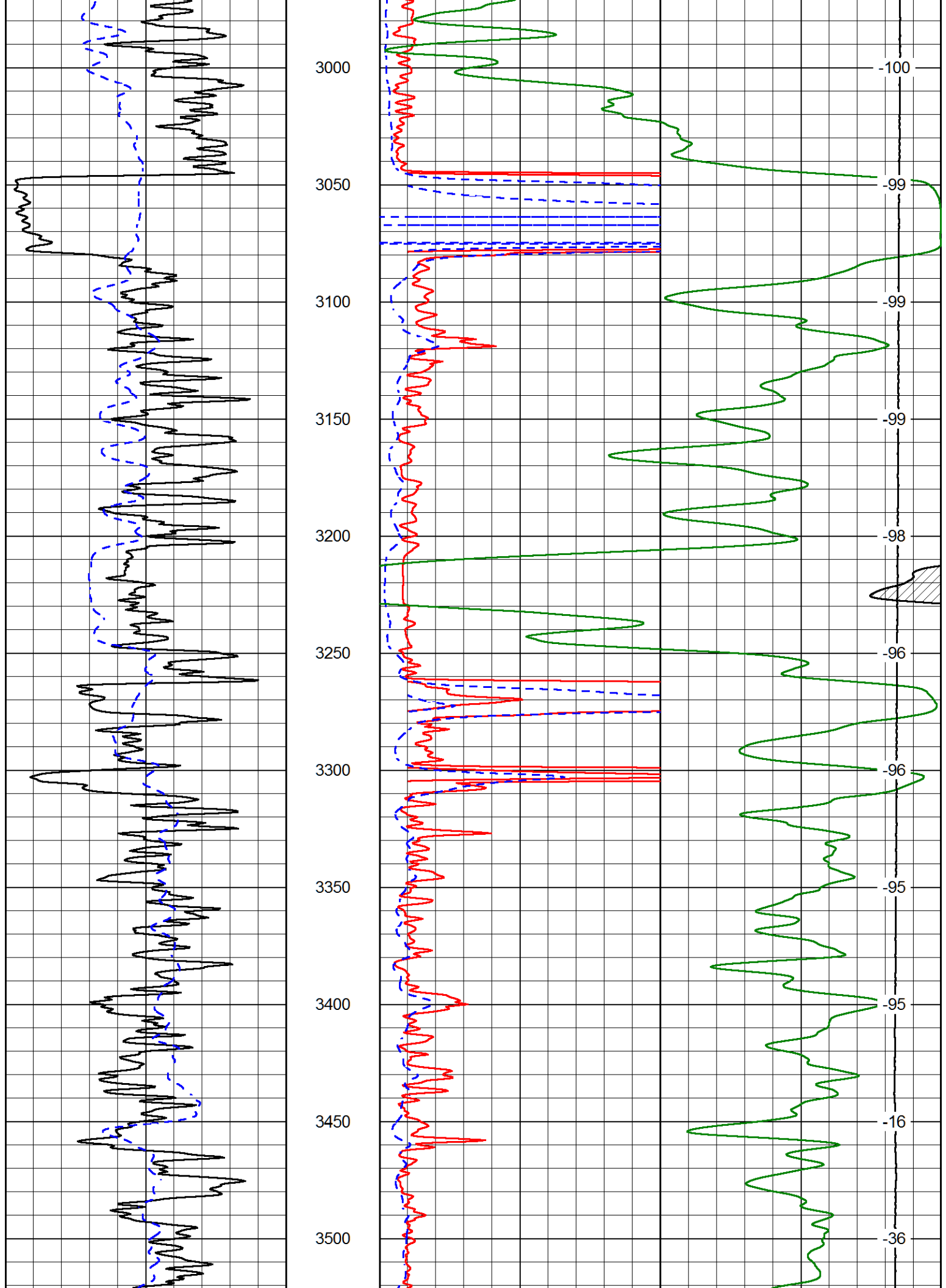
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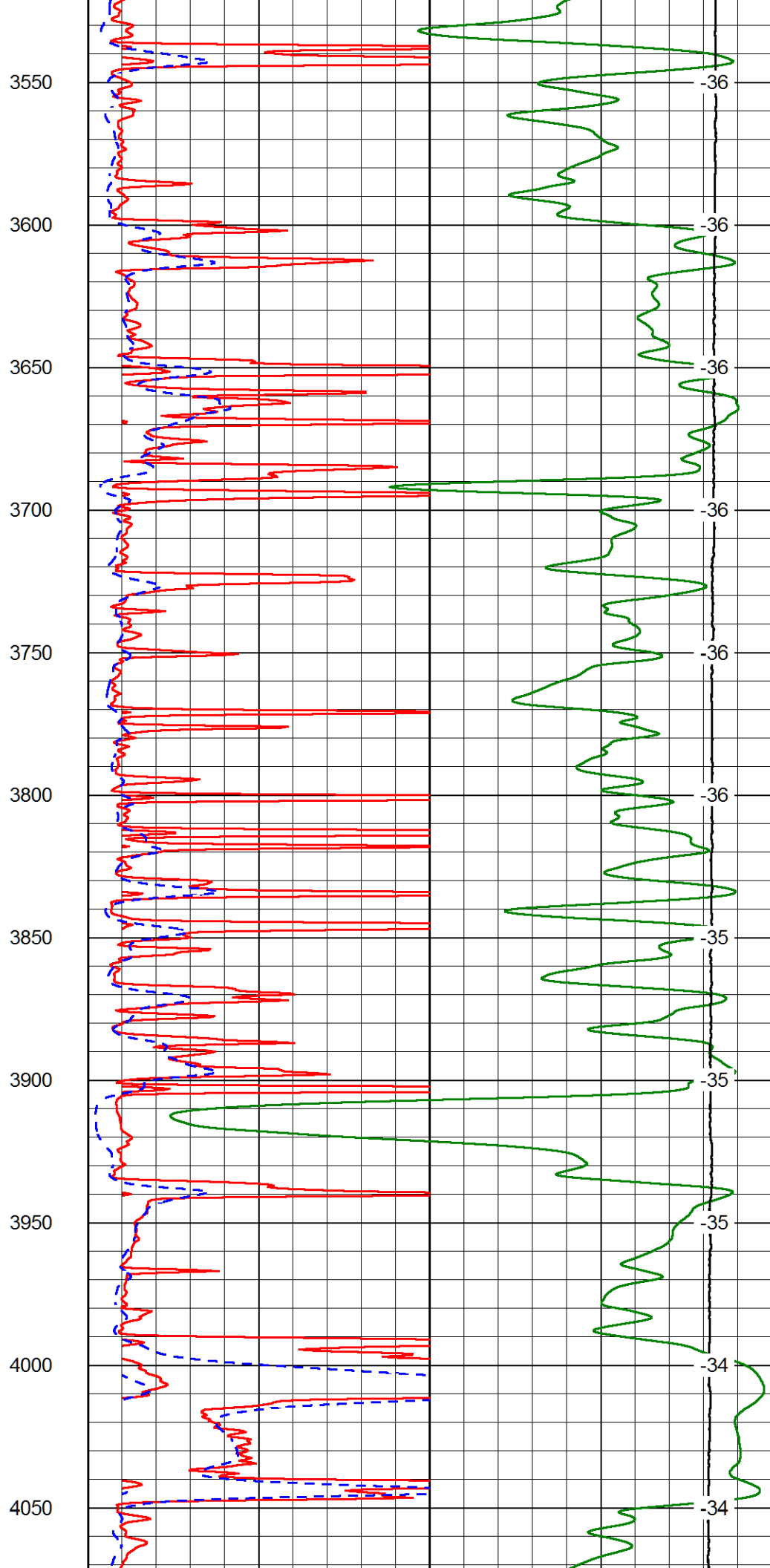
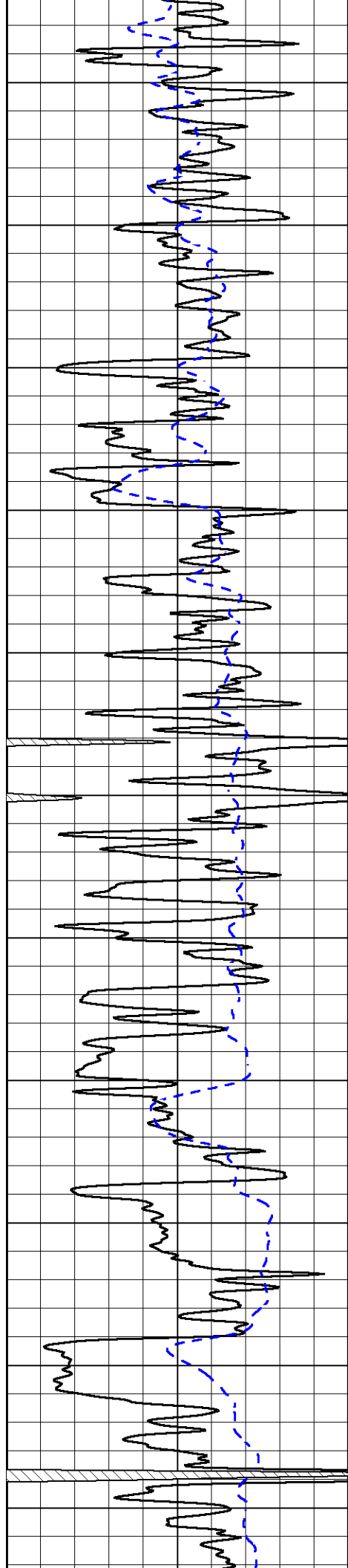
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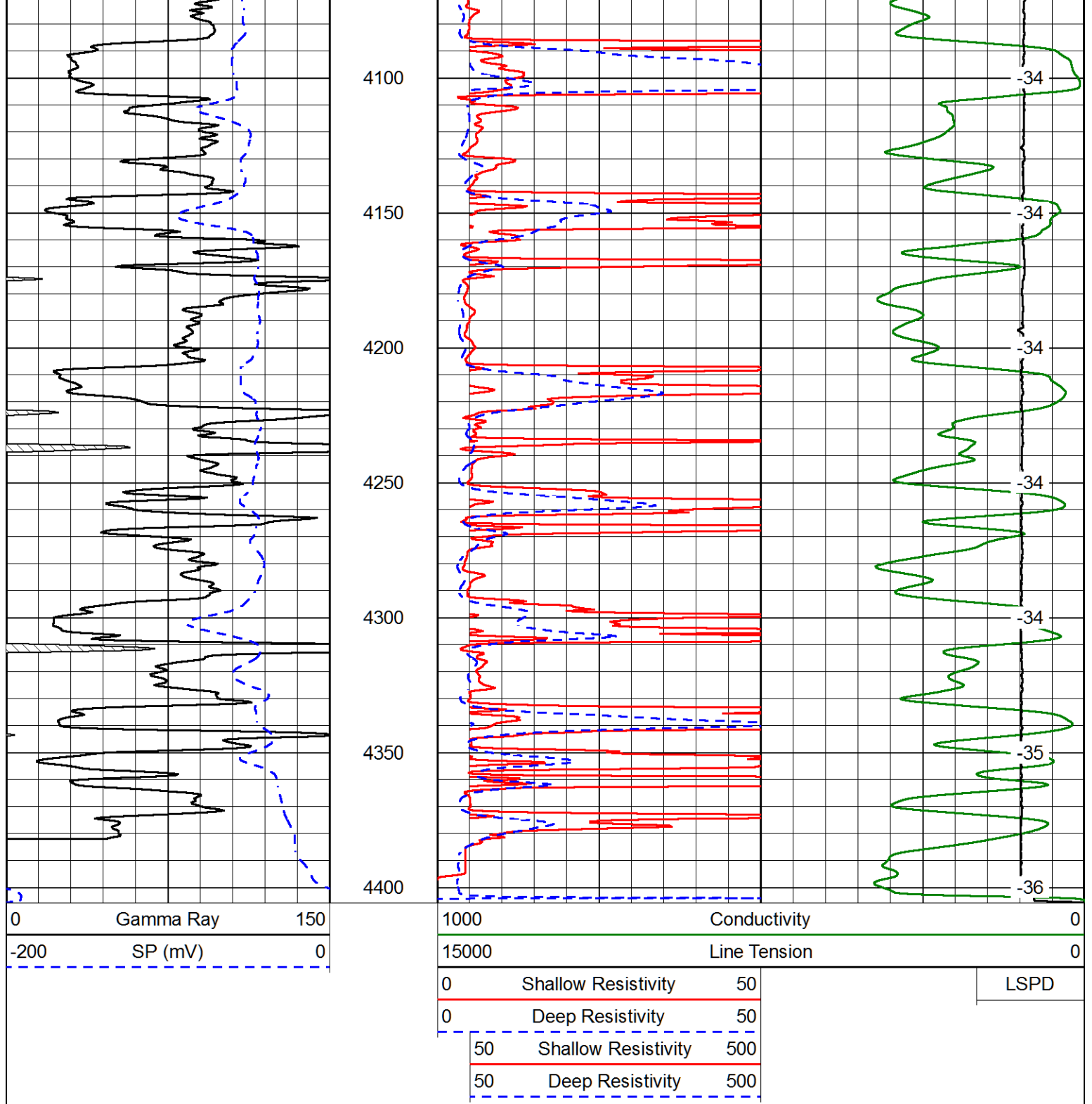
-100

-100

-100





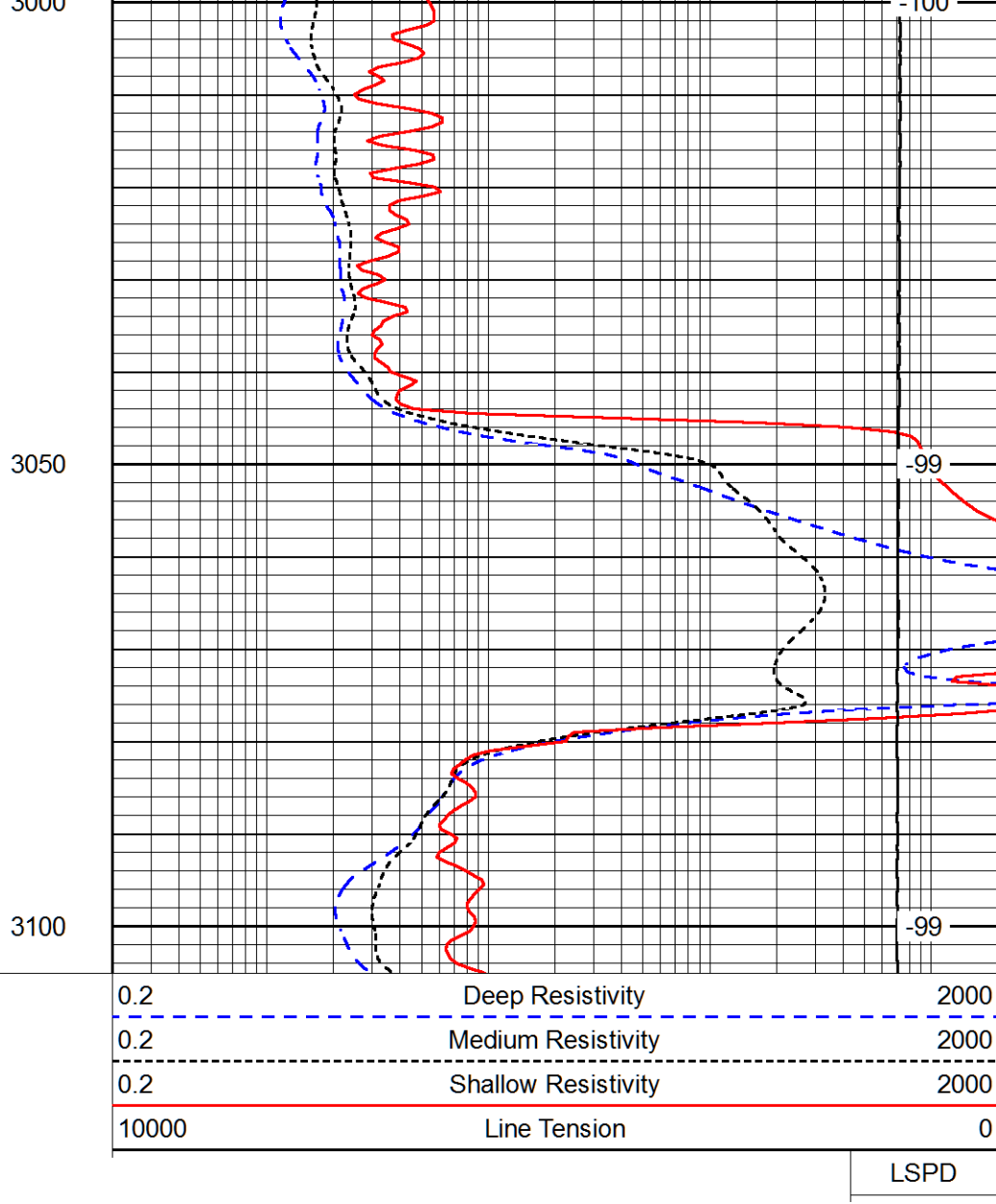
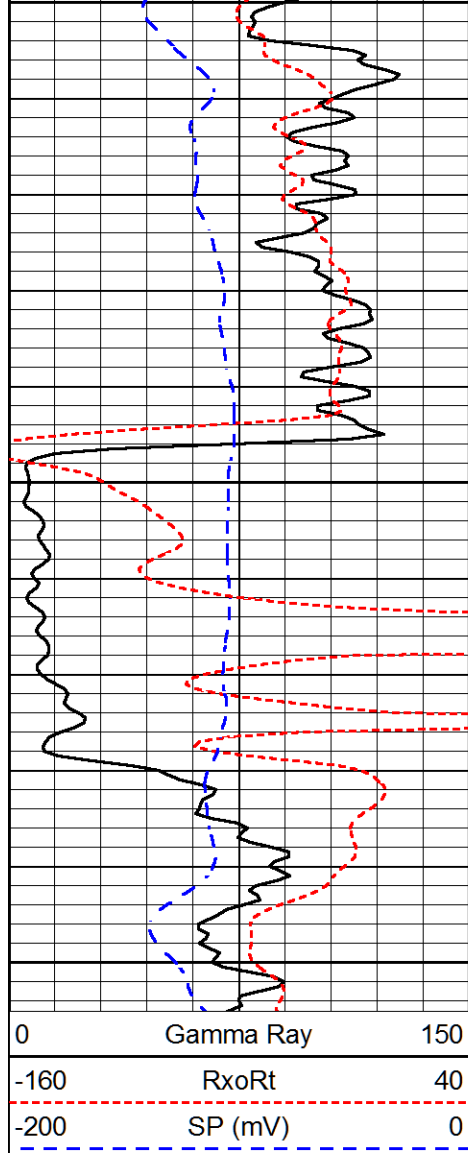


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Presentation Format	dil
Dataset Creation	Tue Mar 24 14:34:40 2015
Charted by	Depth in Feet scaled 1:240

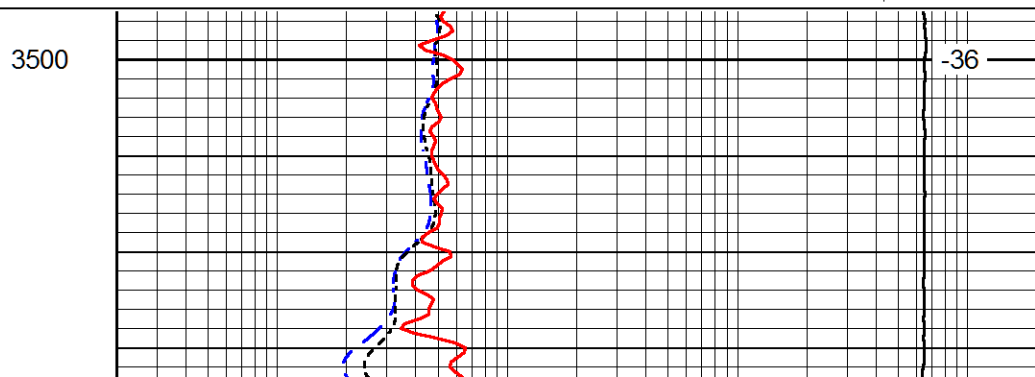
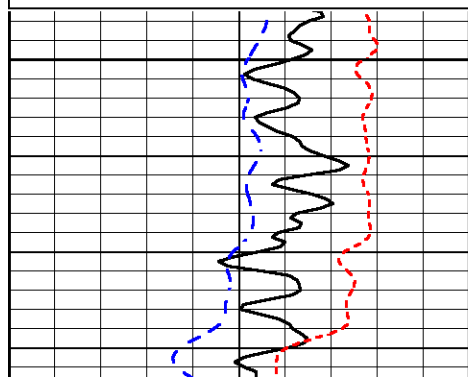
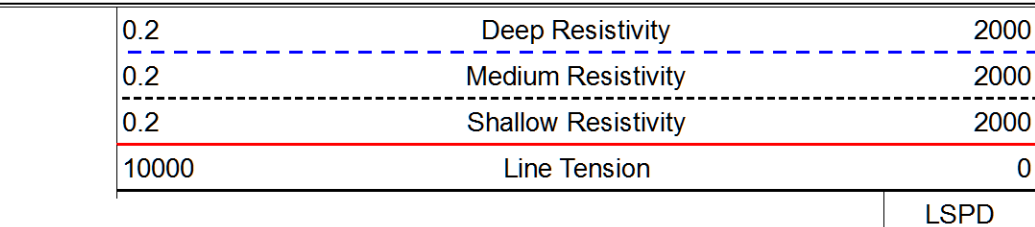
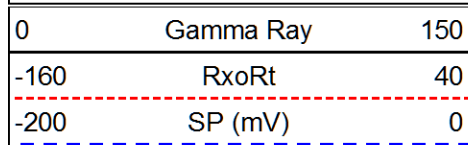
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-160	RxoRt	40
-200	SP (mV)	0

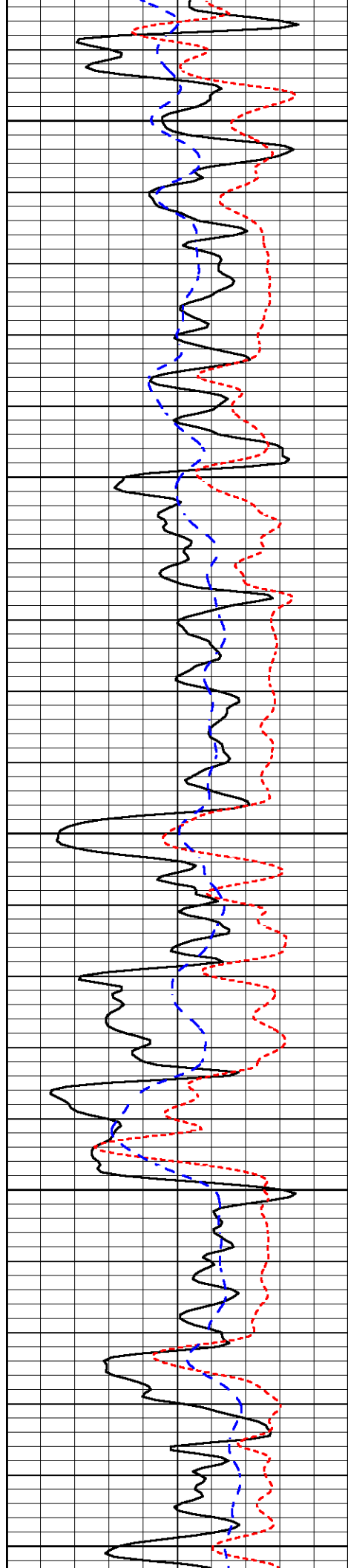
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD	
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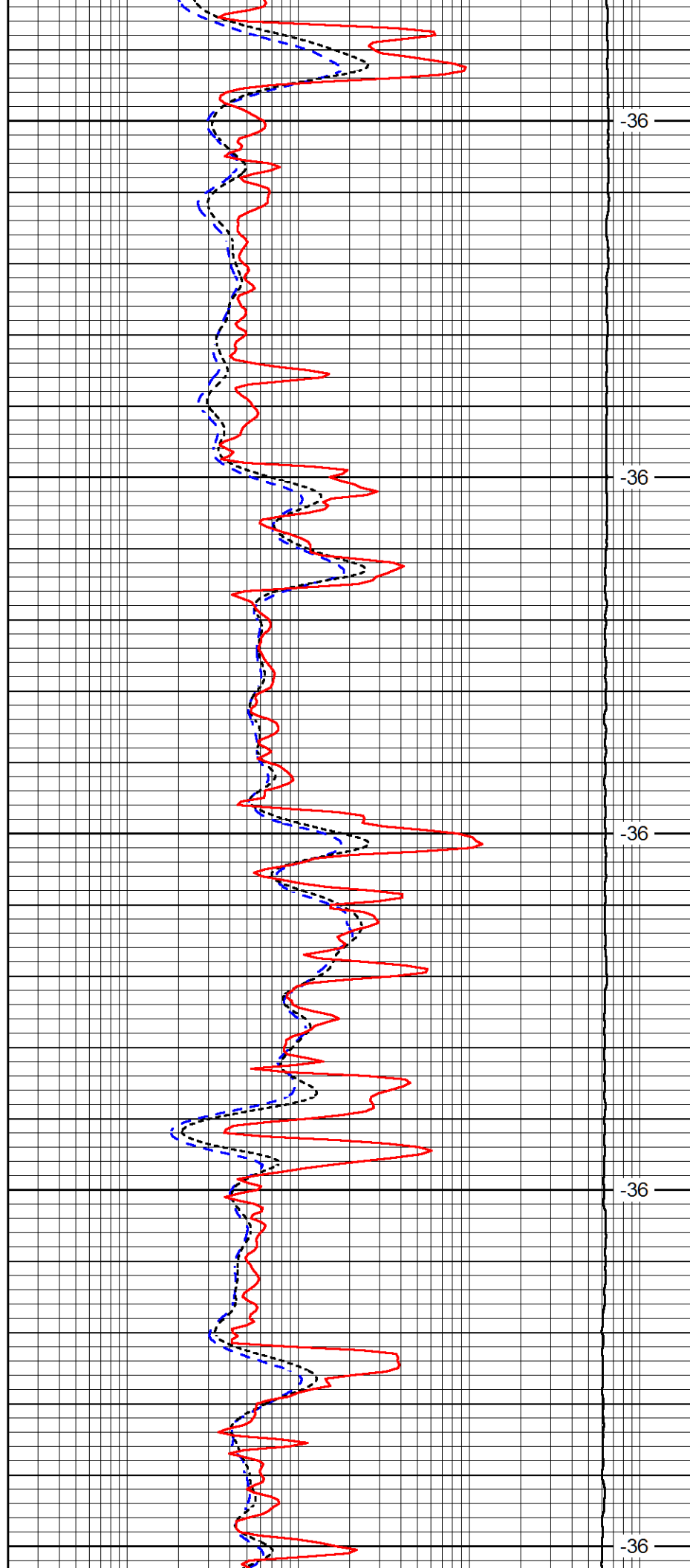
3550

3600

3650

3700

3750



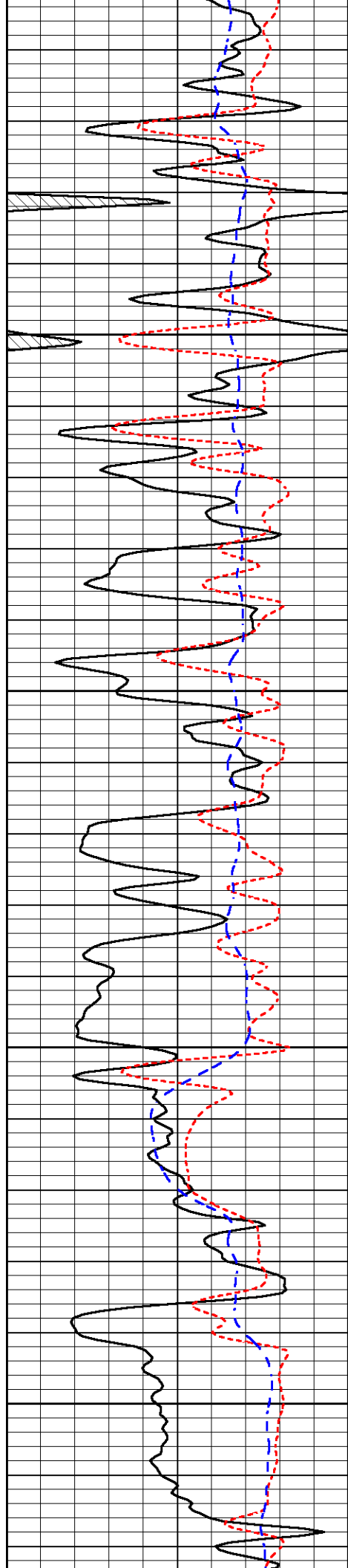
-36

-36

-36

-36

-36

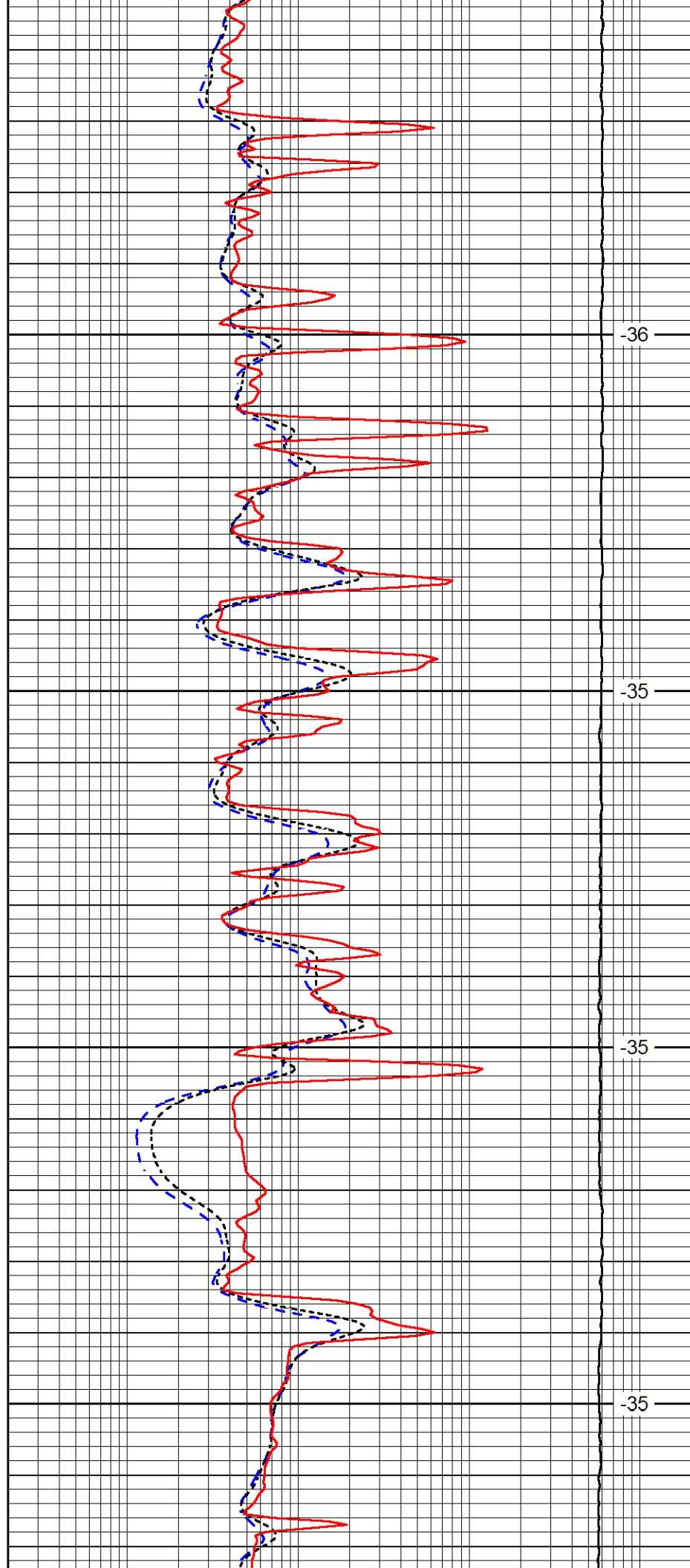


3800

3850

3900

3950

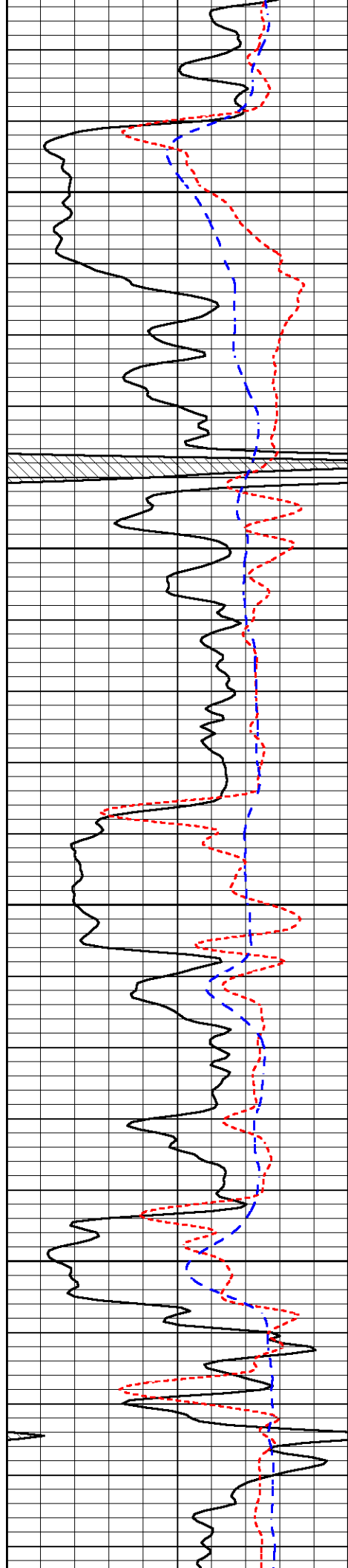


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-35

-35

-35

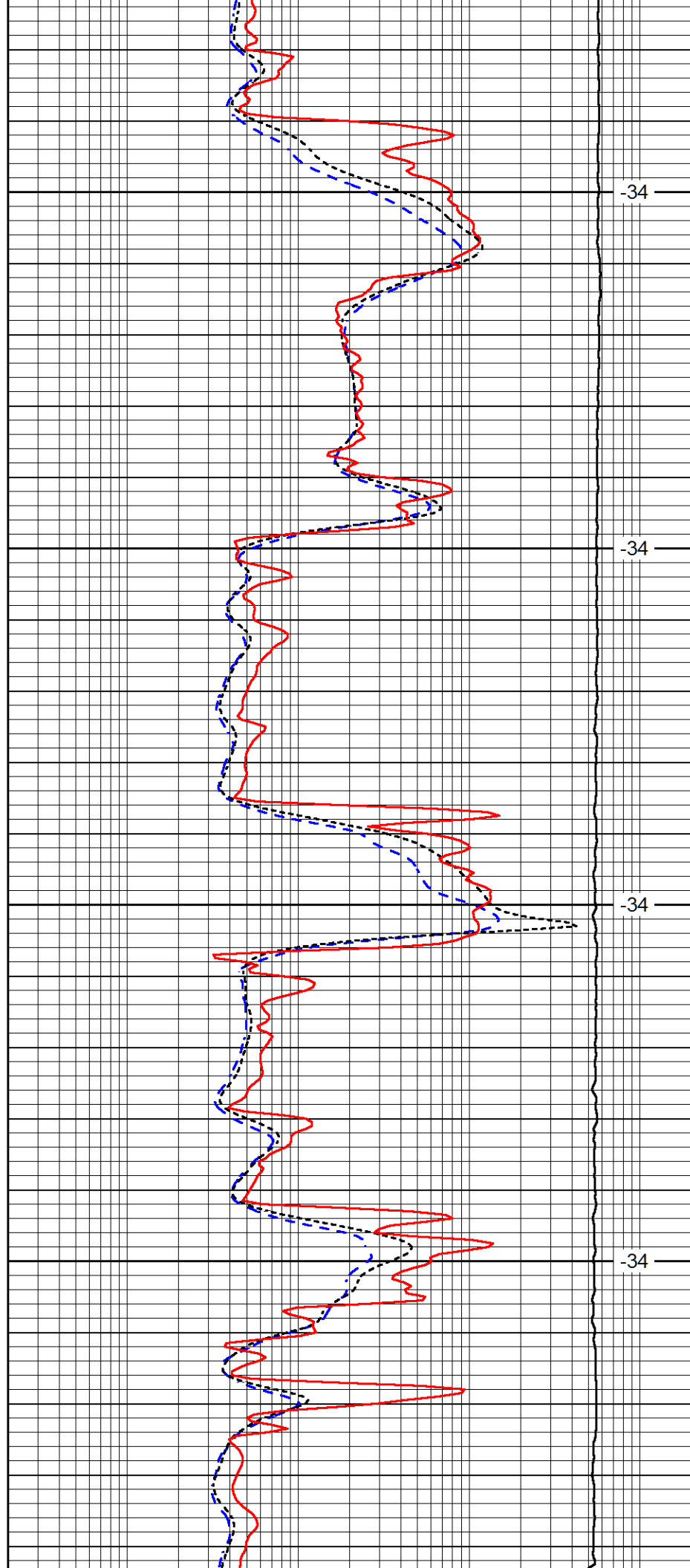


4000

4050

4100

4150

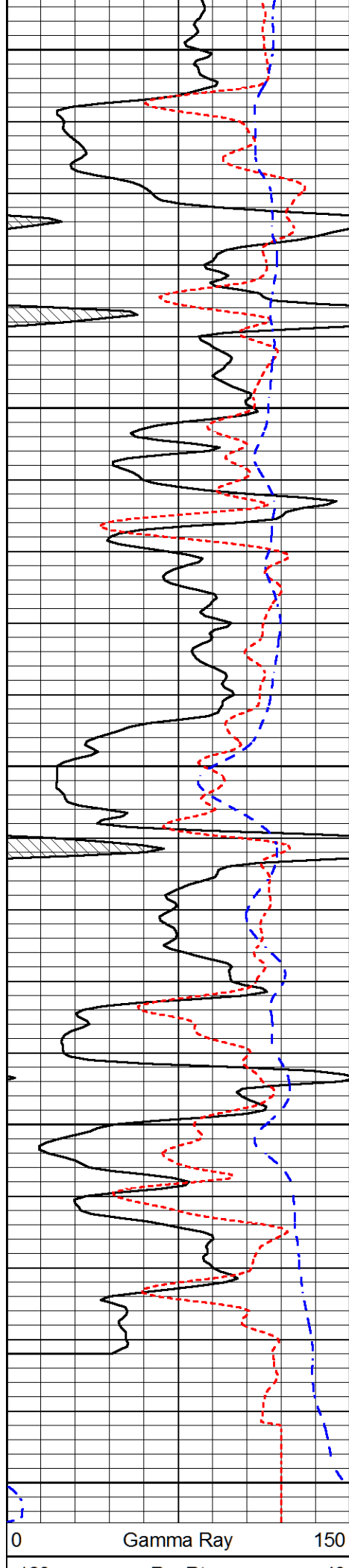


-34

-34

-34

-34



4200

4250

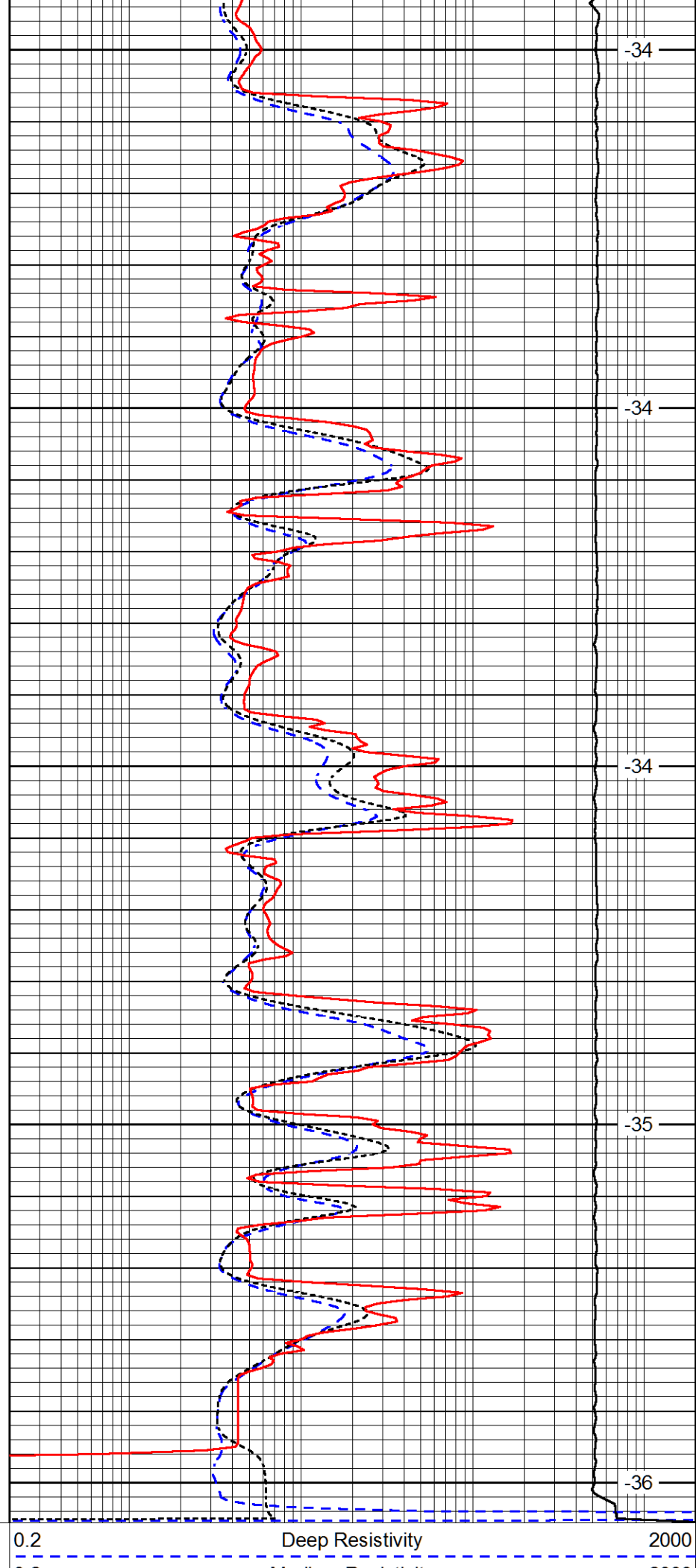
4300

4350

4400

Gamma Ray

RxoPt



-34

-34

-34

-35

-36

Deep Resistivity

Medium Resistivity

-100	10000	40
-200	SP (mV)	0

0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD