



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Hartman Oil Company, Inc.			
15-055-22,098-00-00	Well Ward Twin No.11			
	Field Damme			
	County Finney State Kansas			
	Location	940' FSL & 385' FEL		Other Services CNL/CDL MEL
	Sec: 16	Twp: 22S	Rge: 33W	
Permanent Datum	Ground Level	Elevation 2895		Elevation
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum		K.B. 2905
Drilling Measured From	Kelly Bushing			D.F. 2895
Date	4/25/2011			
Run Number	One			
Depth Driller	4800			
Depth Logger	4798			
Bottom Logged Interval	4797			
Top Log Interval	1750			
Casing Driller	8.625 @ 1780			
Casing Logger	1780			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1.600			
Density / Viscosity	9.2 58			
pH / Fluid Loss	9.5 7.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.1 @ 57			
Rmf @ Meas. Temp	.83 @ 57			
Rmc @ Meas. Temp	1.49 @ 57			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.50 @ 126			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	126			
Equipment Number	17			
Location	Hays			
Recorded By	C. Desaire			
Witnessed By	Charlie Sturdavant			

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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

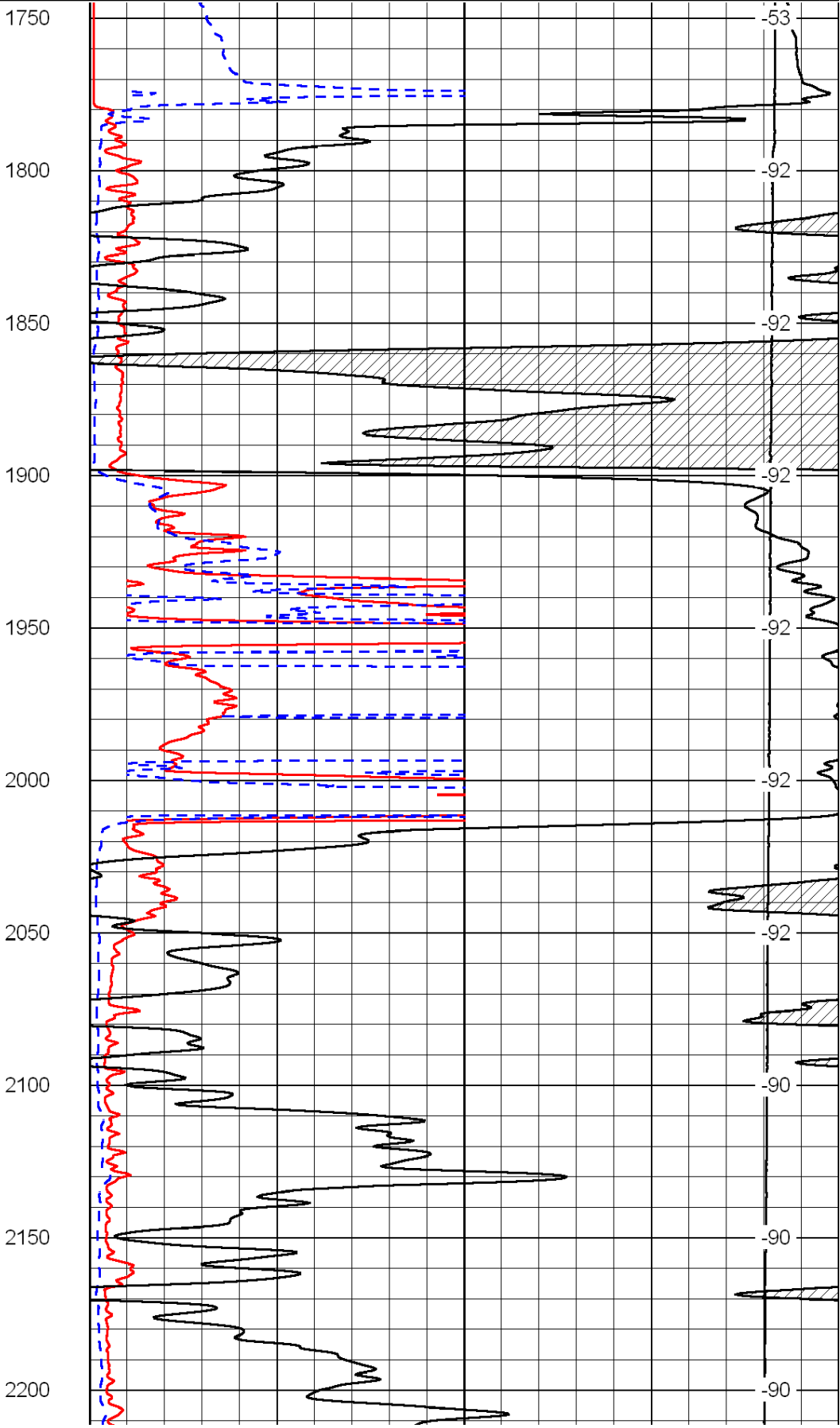
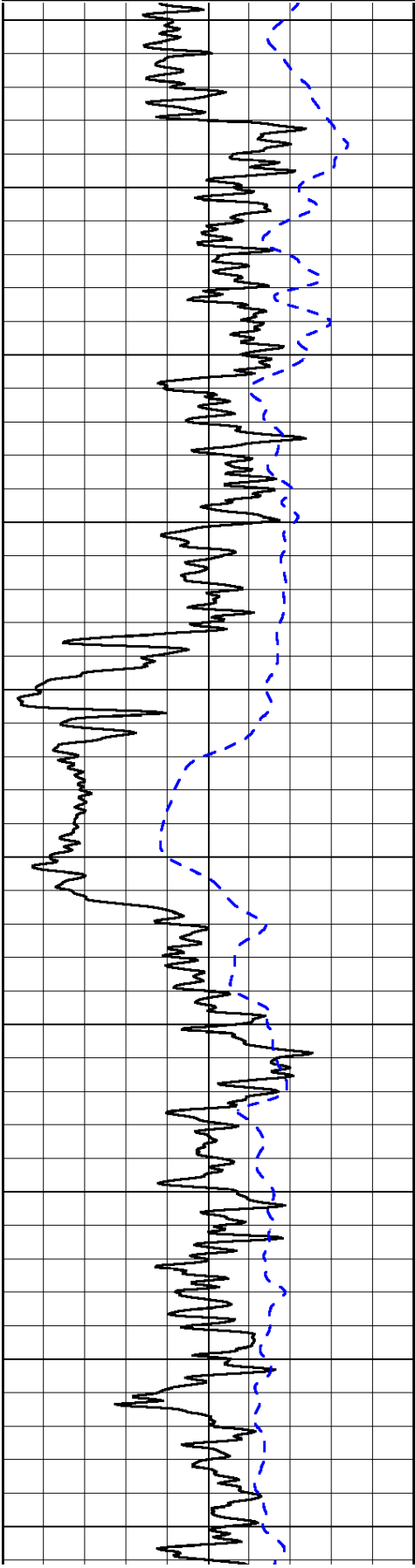
Scott City, S to MM 82,
3 W, 1/4 N, W Into

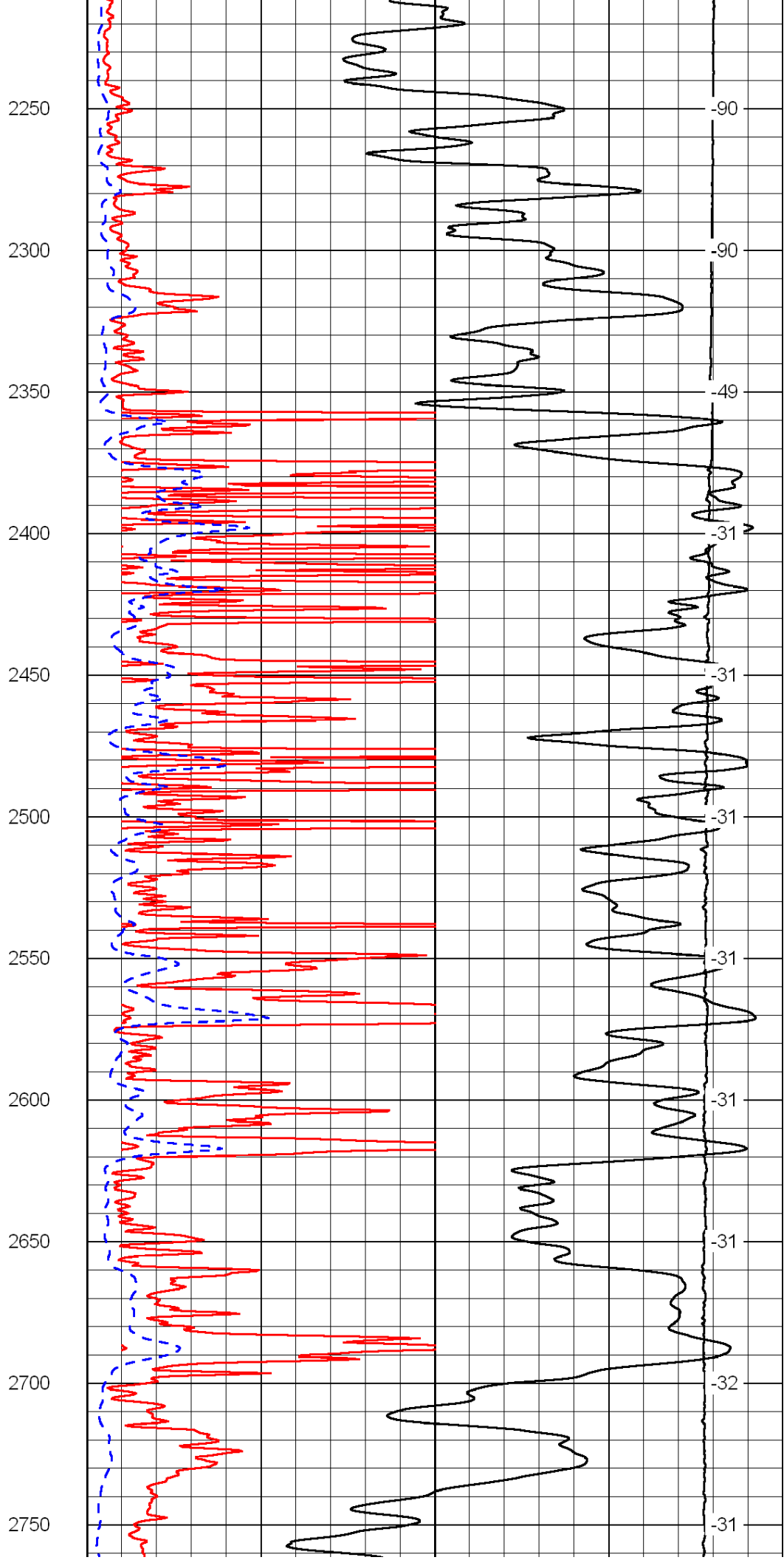
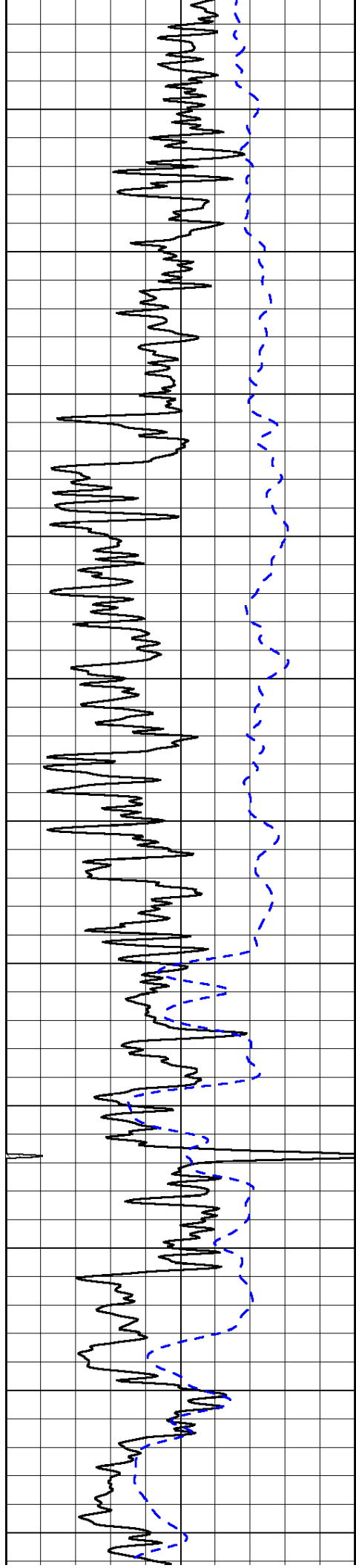
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Dataset Pathname: dil\hartstk
Presentation Format: dil2in
Dataset Creation: Mon Apr 25 14:35:34 2011
Charted by: Depth in Feet scaled 1:600

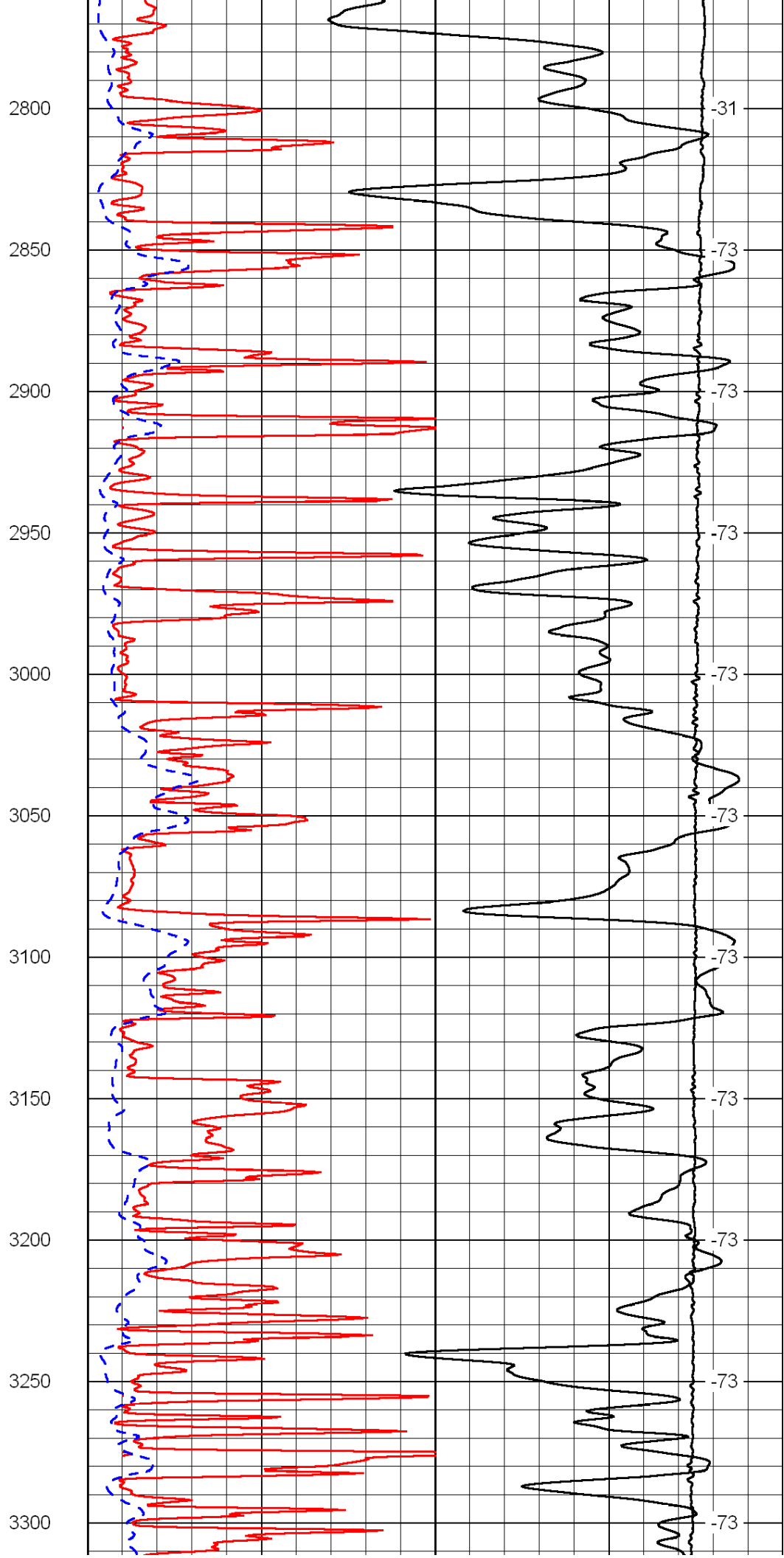
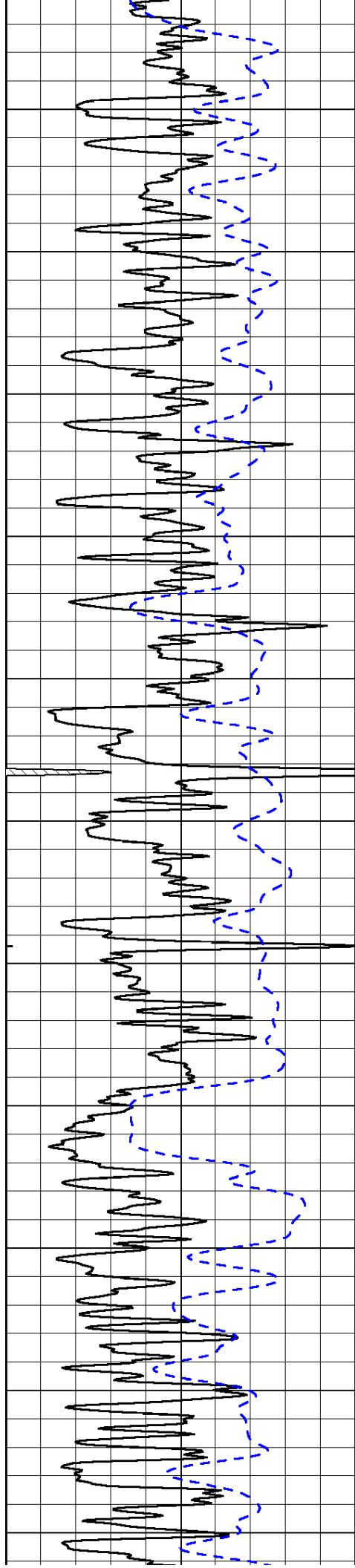
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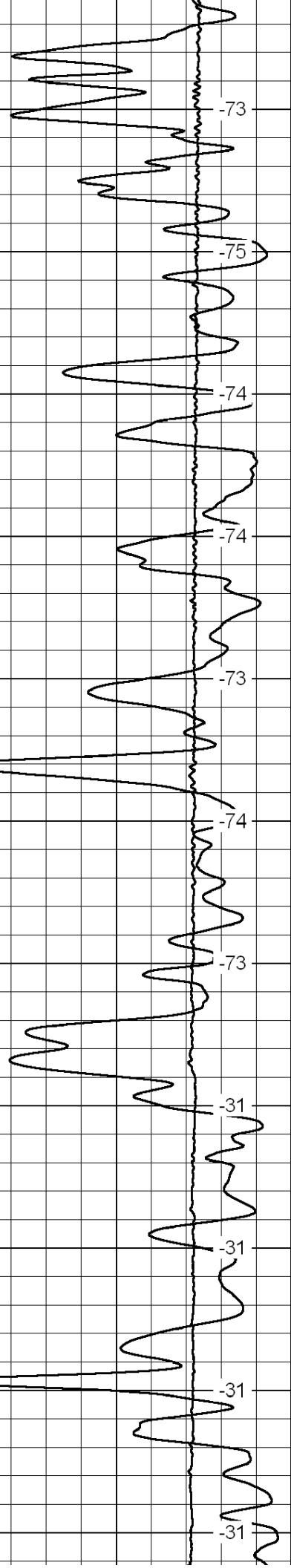
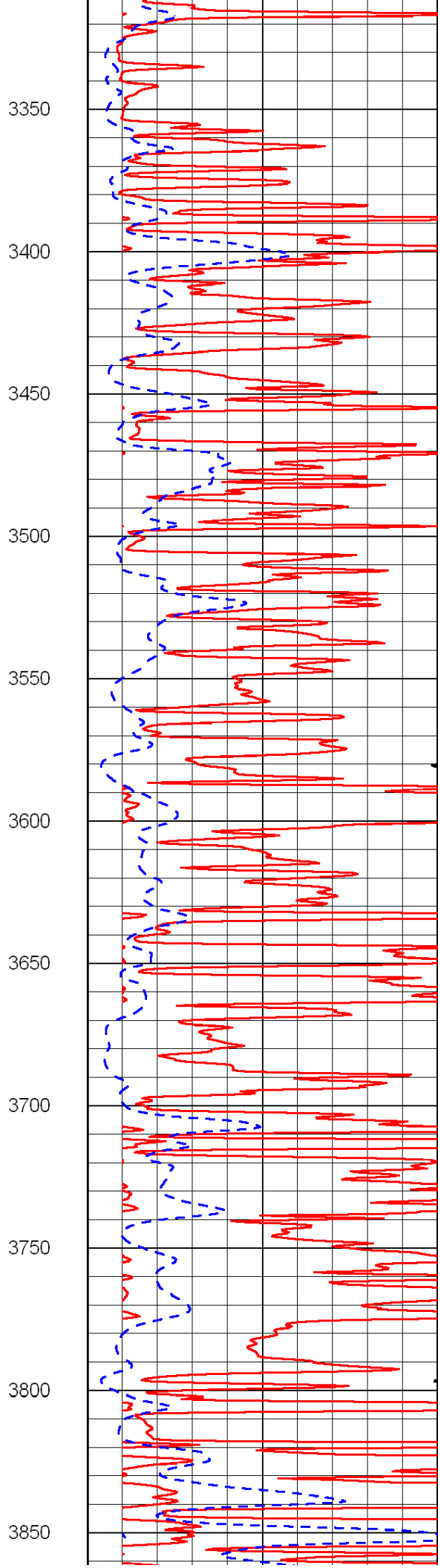
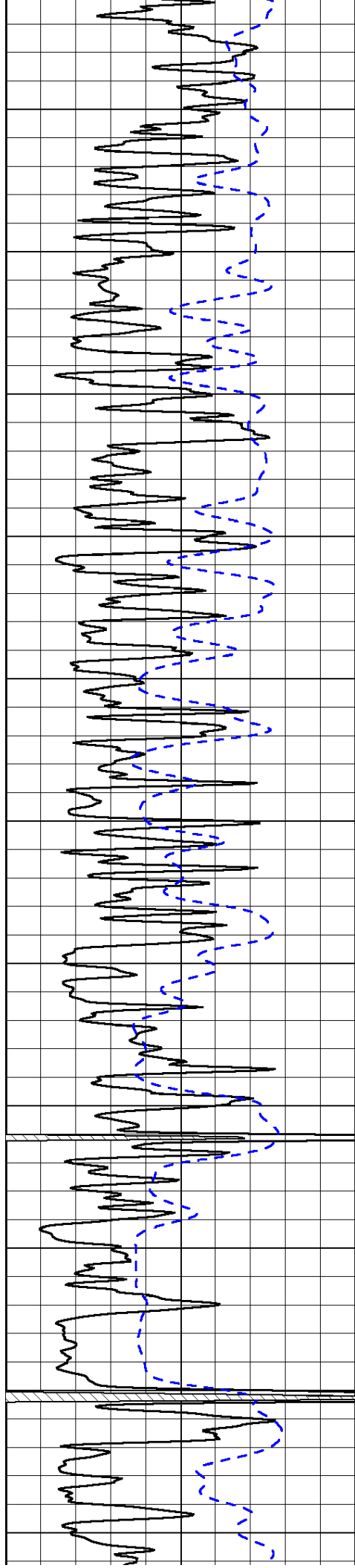
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-200	SP (mV)	0

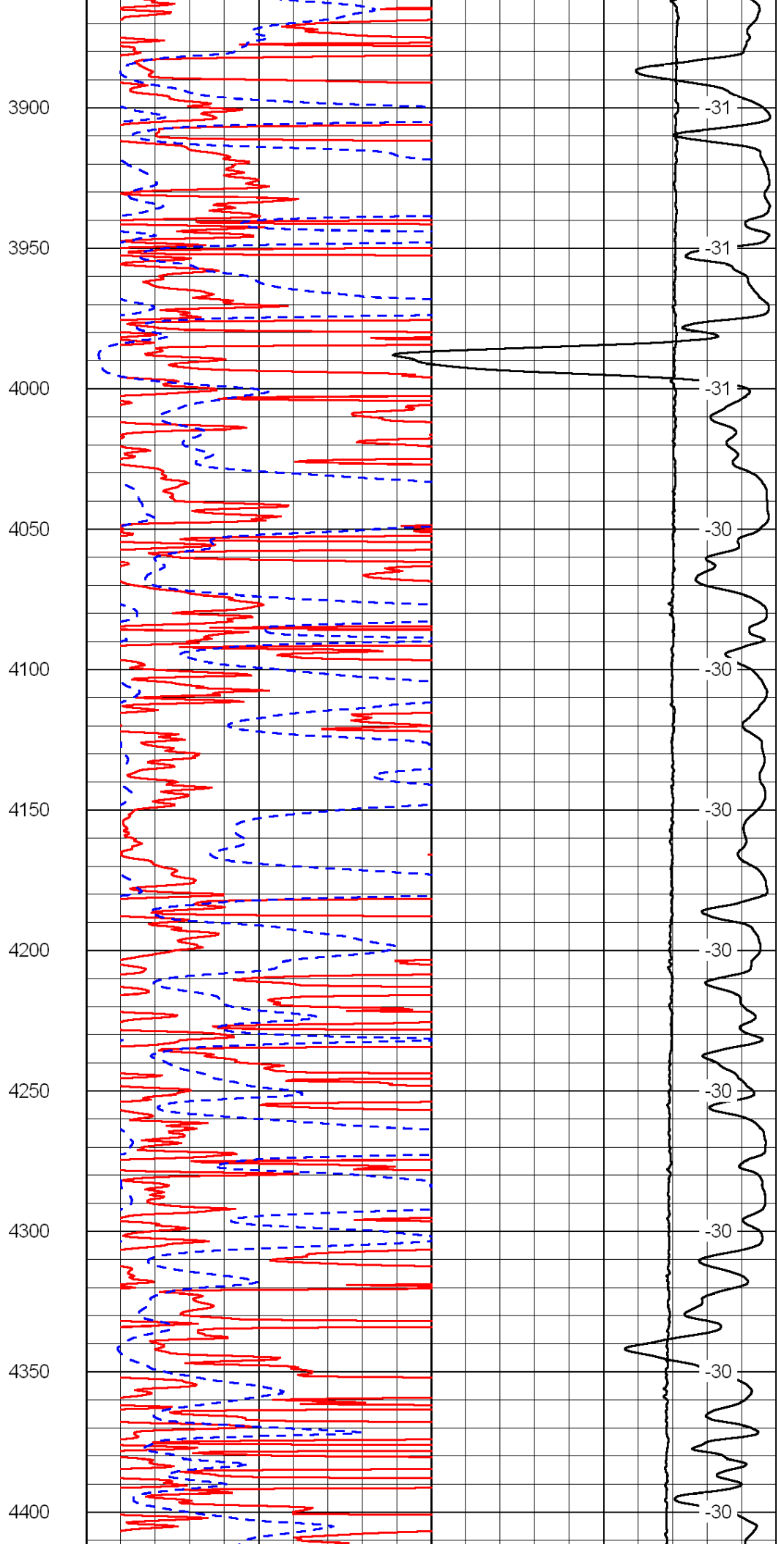
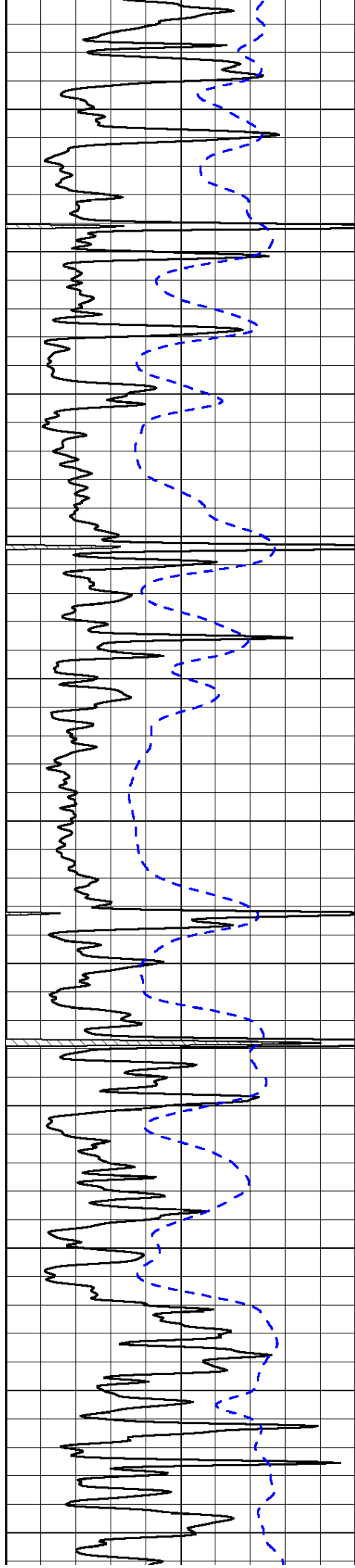
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

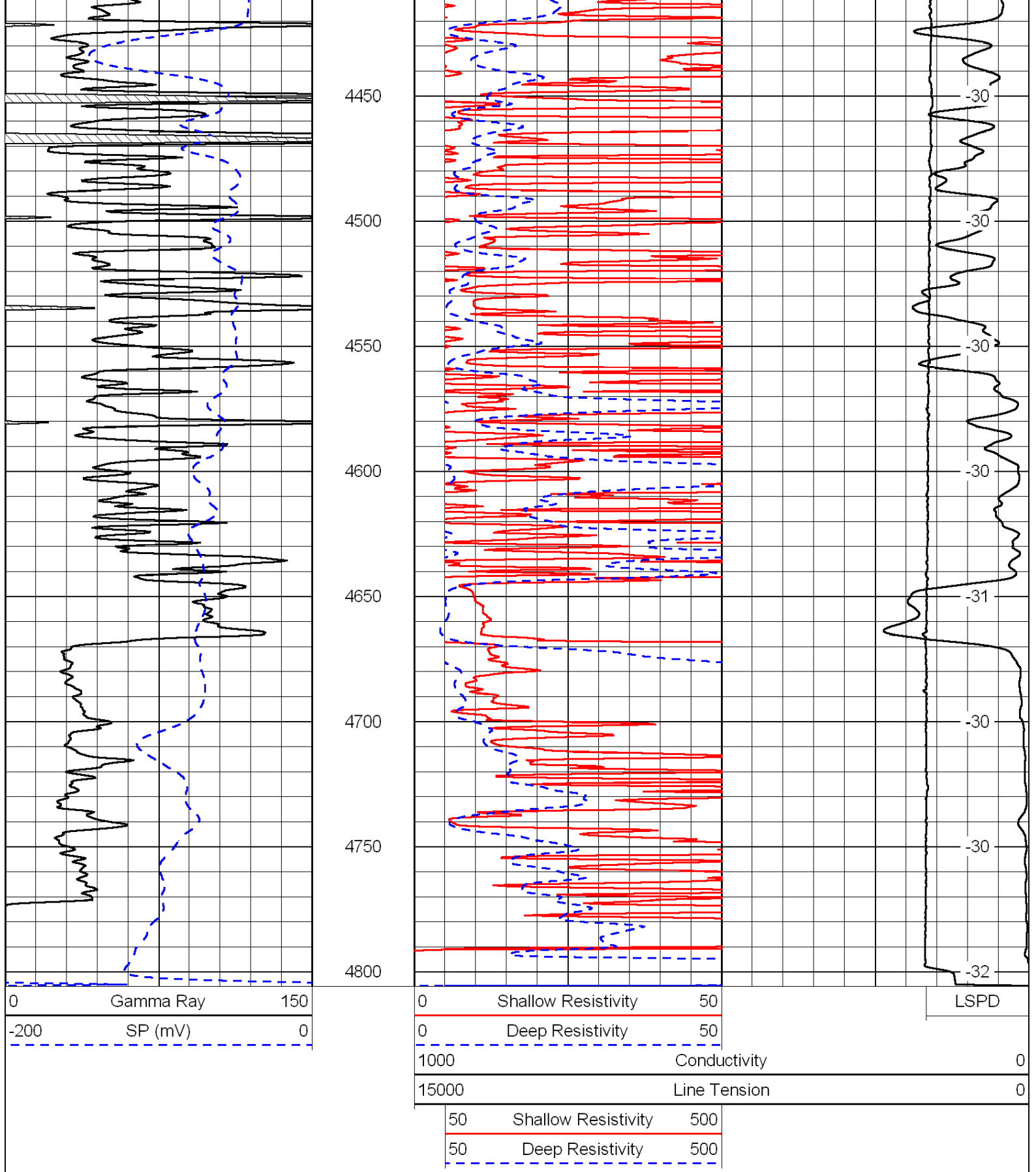




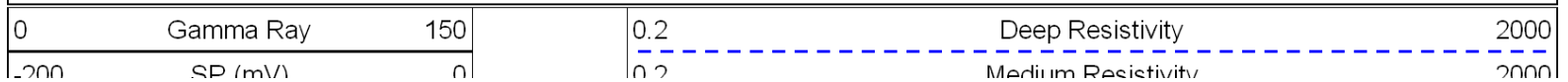








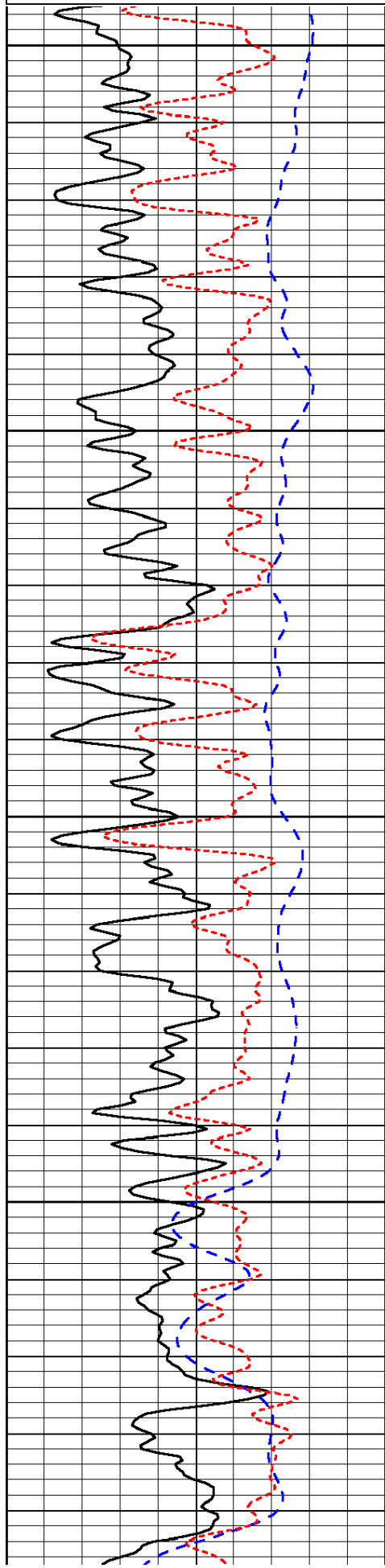
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Dataset Pathname: dil/hartstk
Presentation Format: dil
Dataset Creation: Mon Apr 25 14:35:34 2011
Charted by: Depth in Feet scaled 1:240



200	0.1 (mV)	0
-160	Rxo / Rt	40

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

LSPD

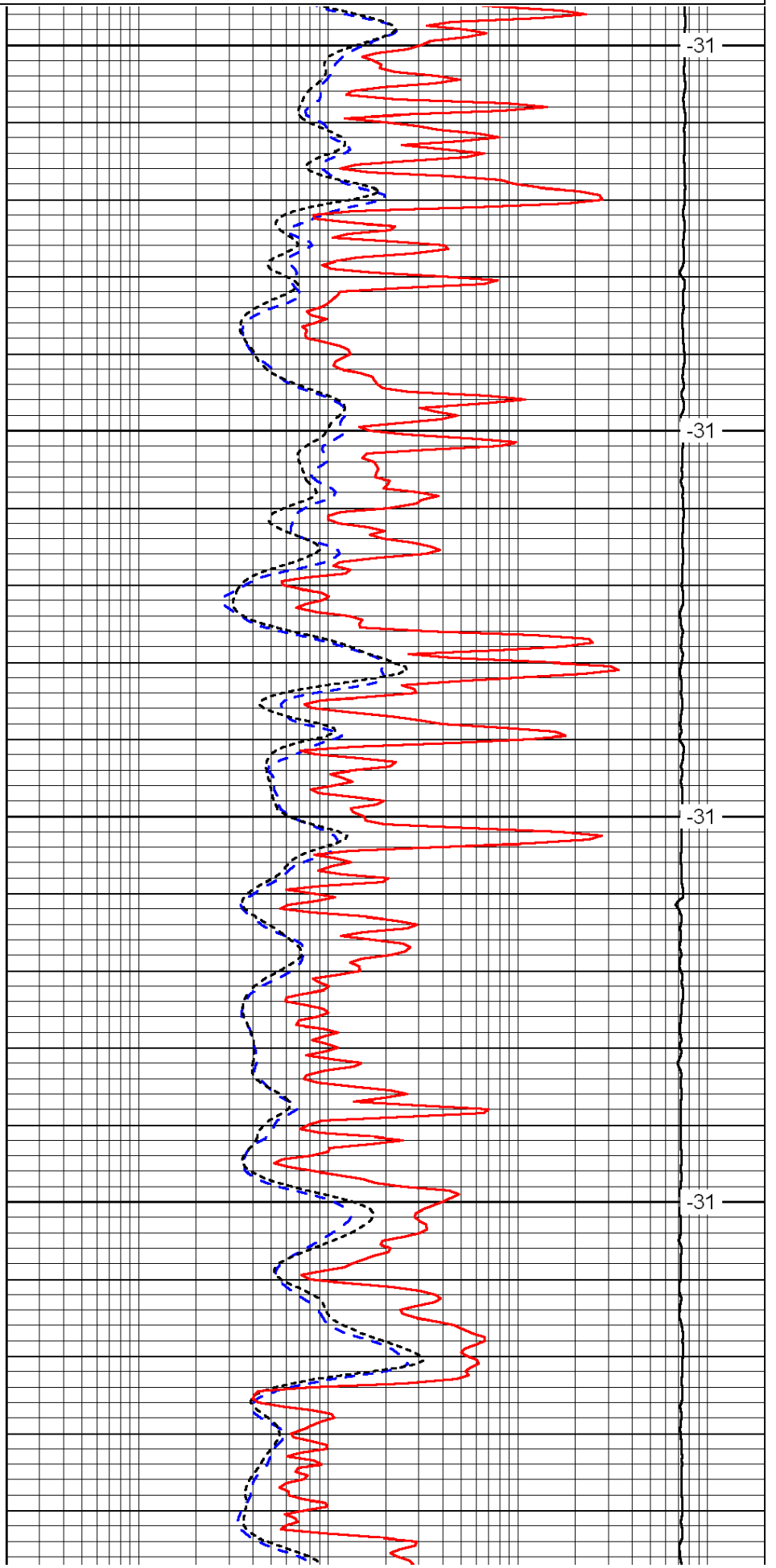


2400

2450

2500

2550

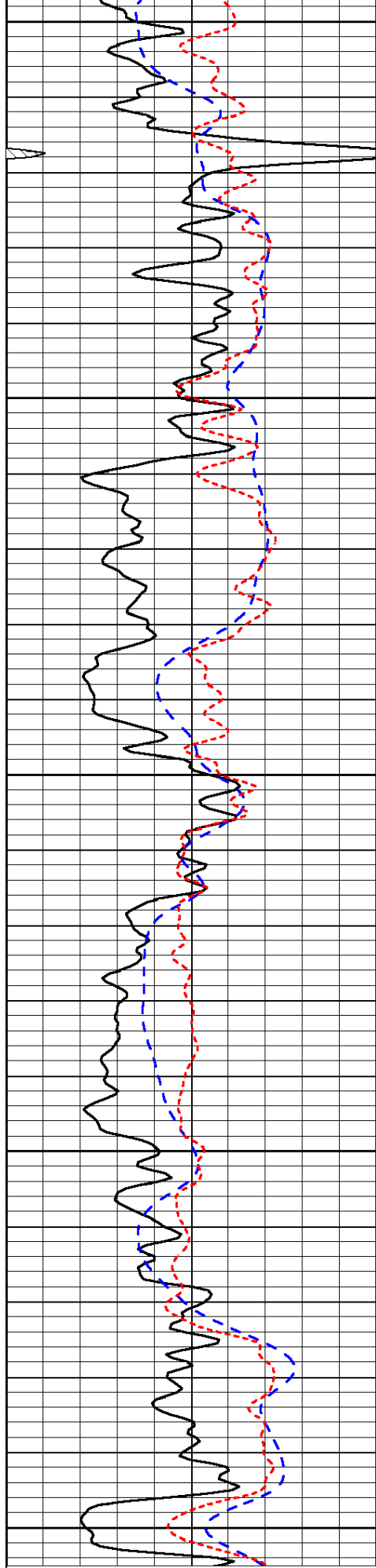


-31

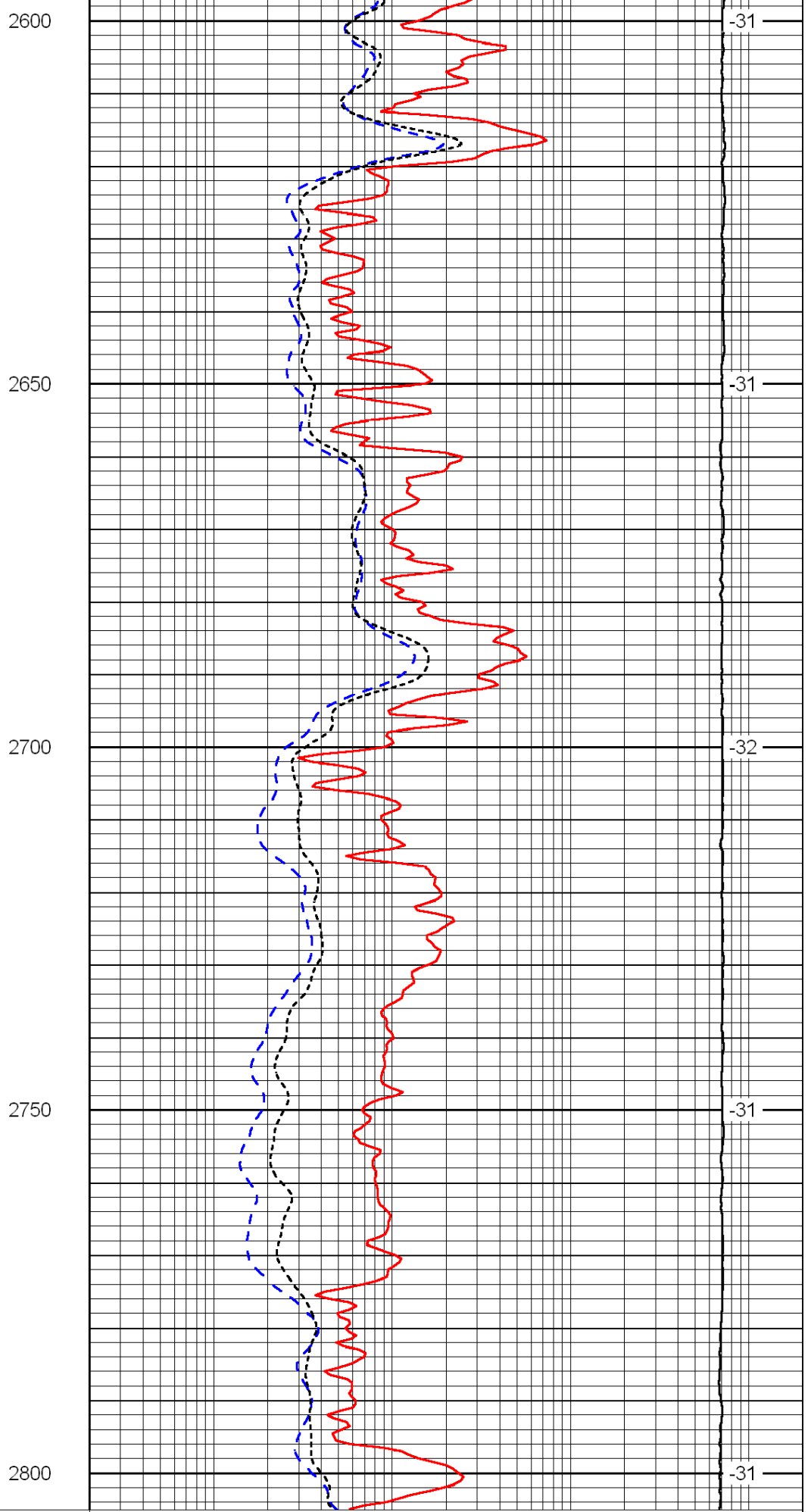
-31

-31

-31



0	Gamma Ray	150
-200	SP (mV)	0
160	P _{log} / P _t	10



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000

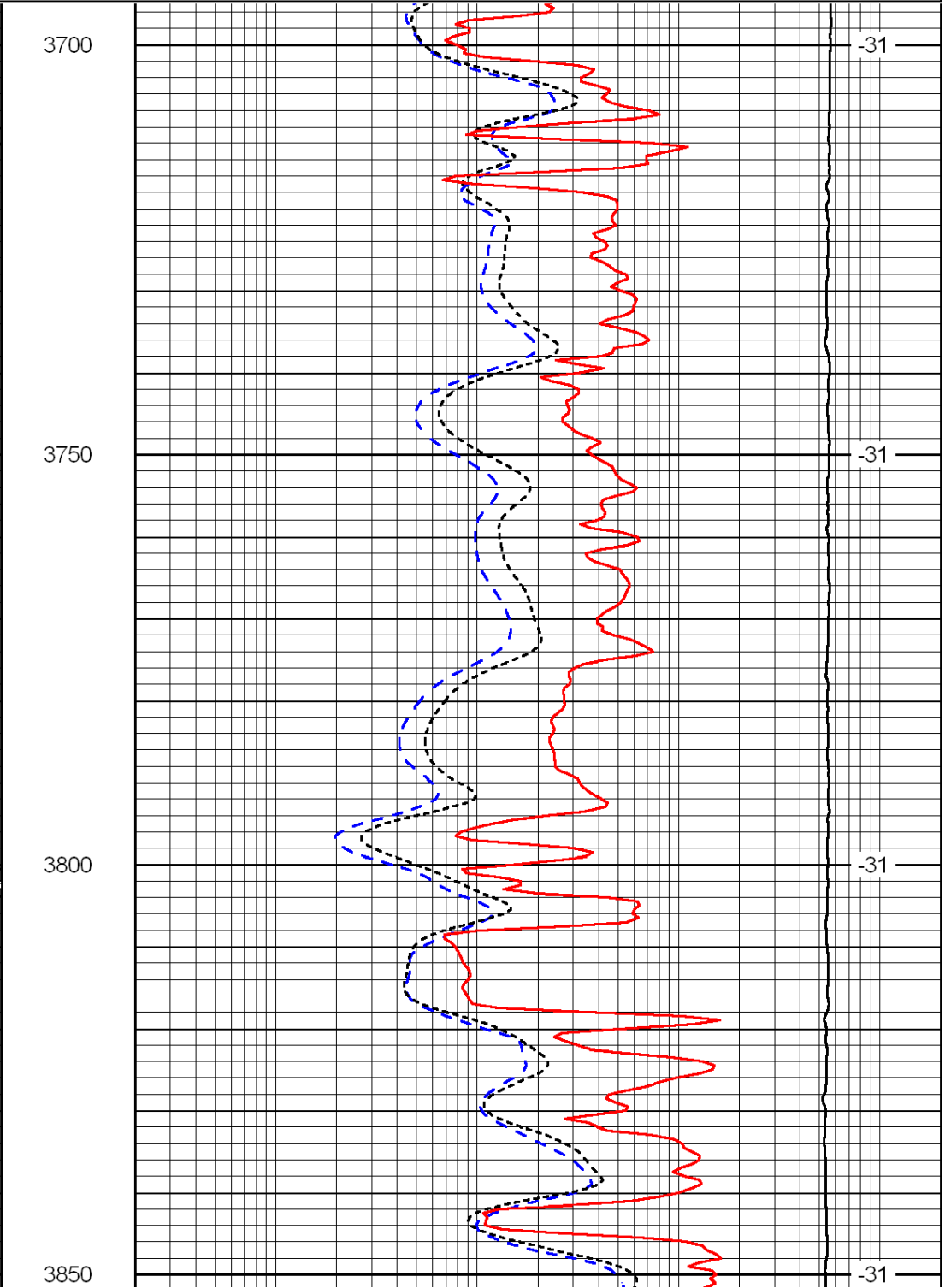
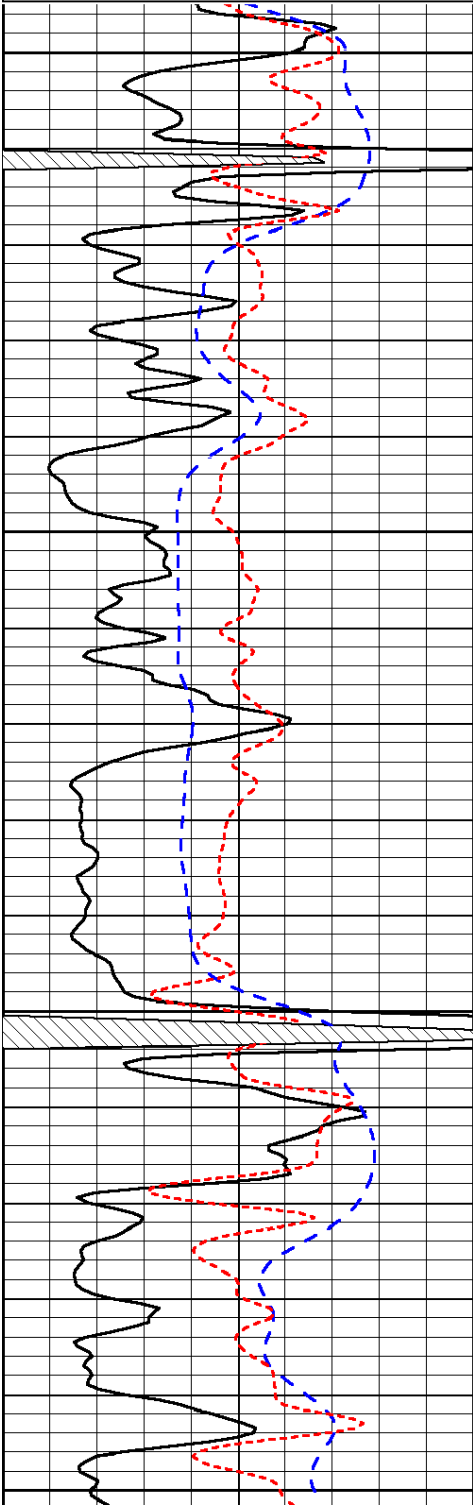
100	Rxo / Rt	40
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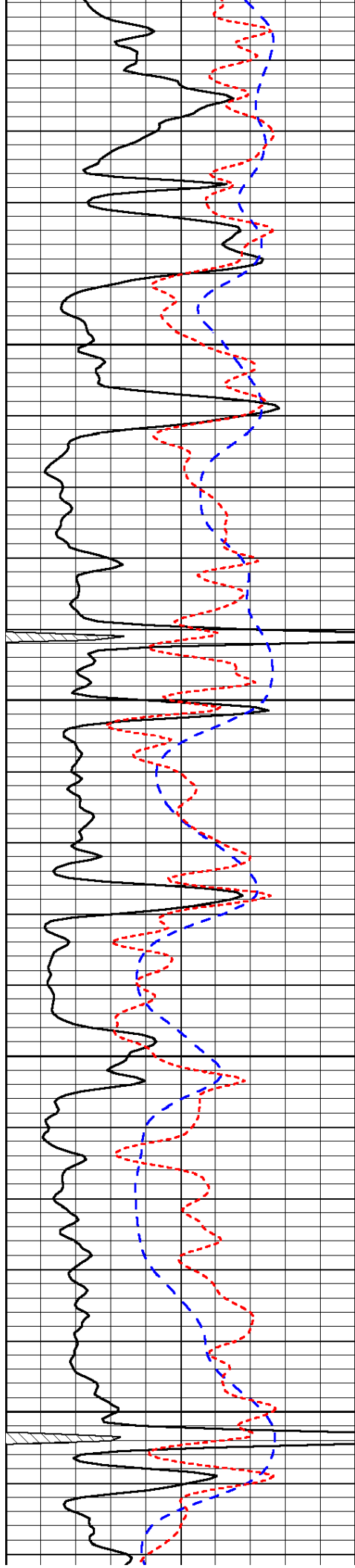
0.2	Shallow Resistivity	2000
15000	Line Tension	0
		LSPD

Database File:	c:\warrior\data\hartman_ward twin no.11\harthd.db
Dataset Pathname:	dil/hartstk
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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
		LSPD



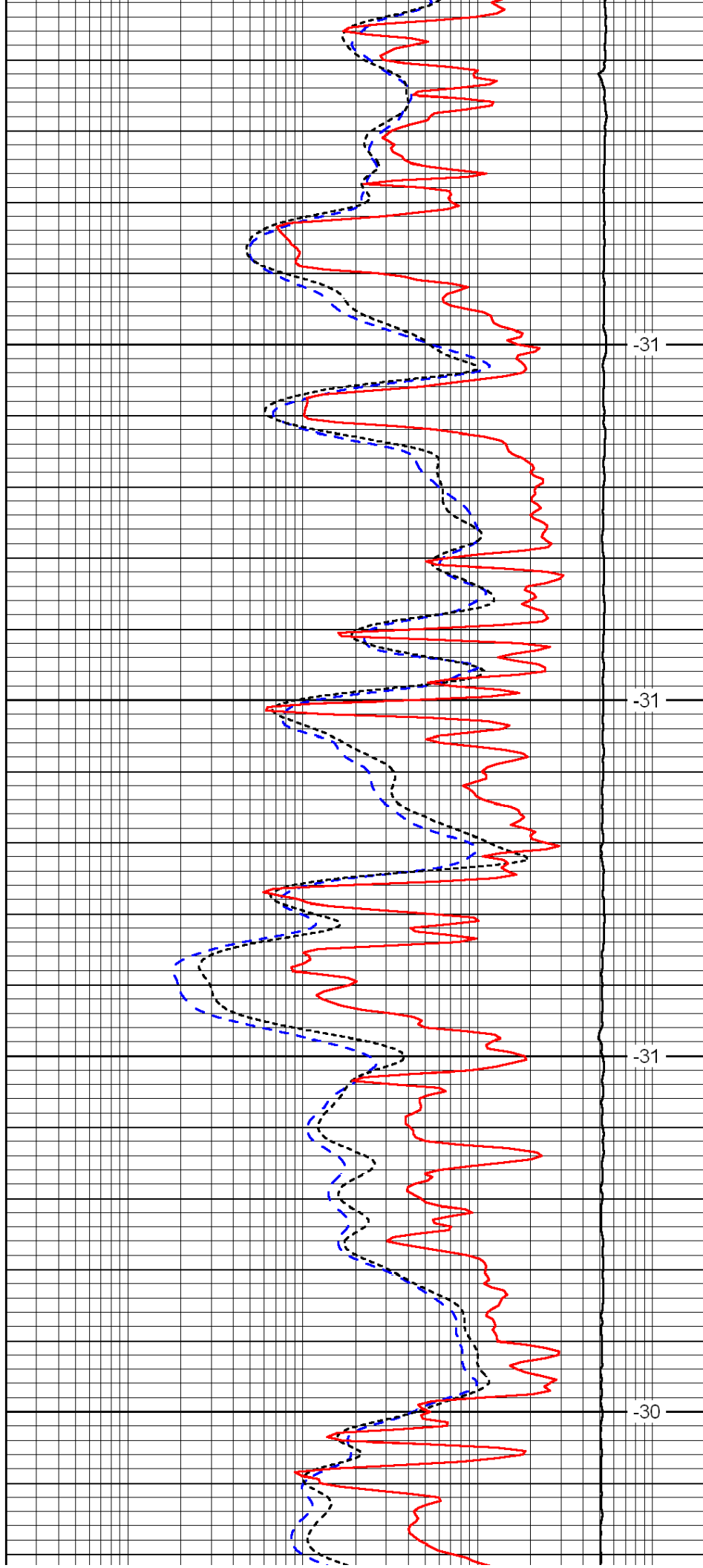


3900

3950

4000

4050

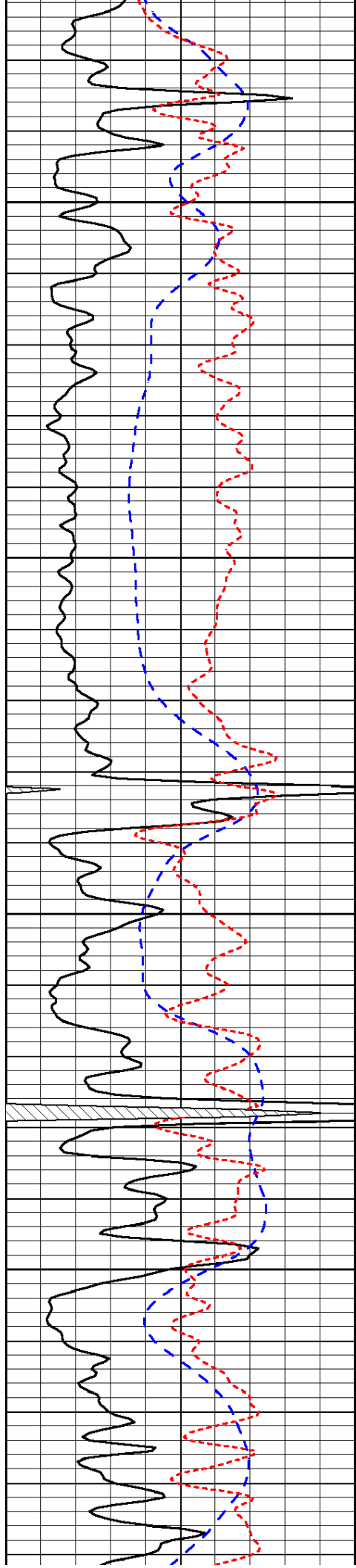


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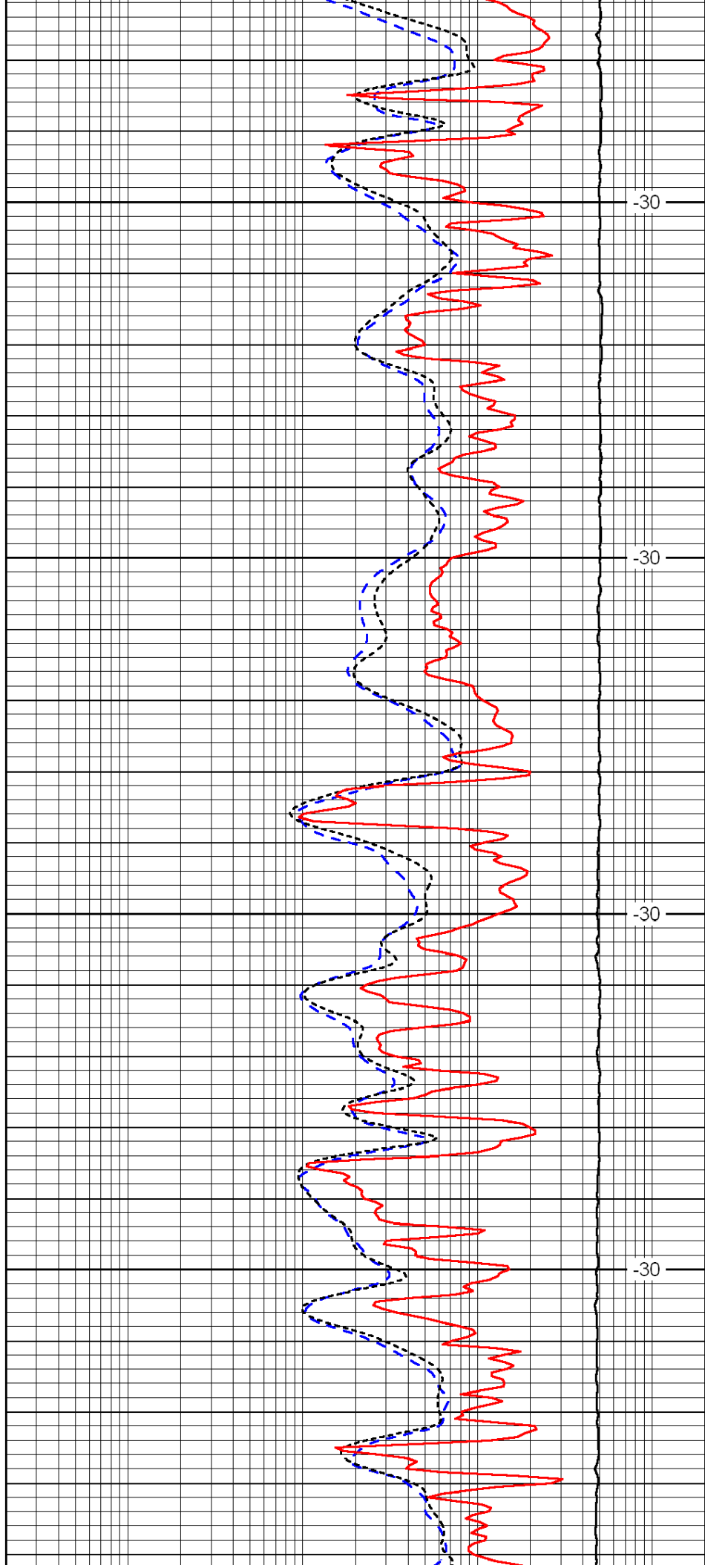


4100

4150

4200

4250

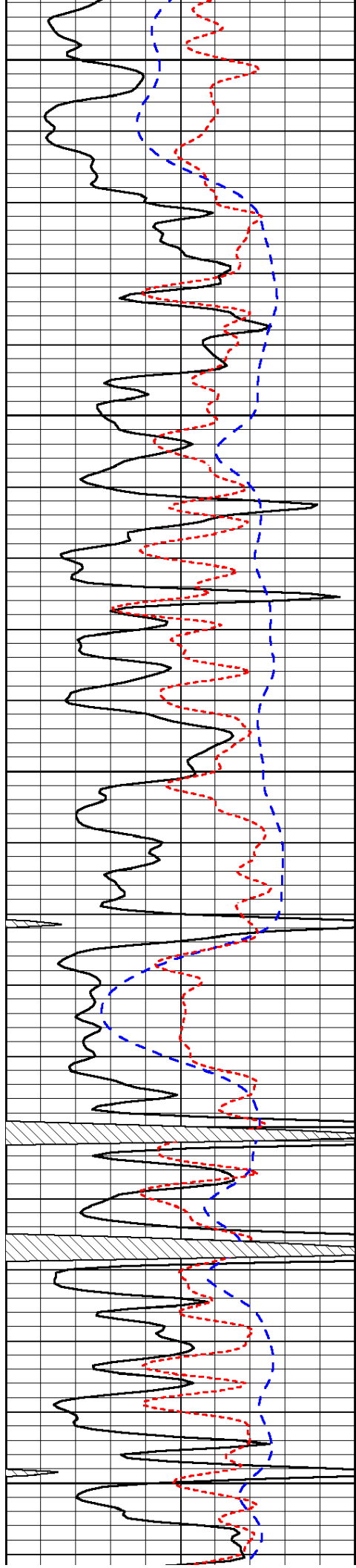


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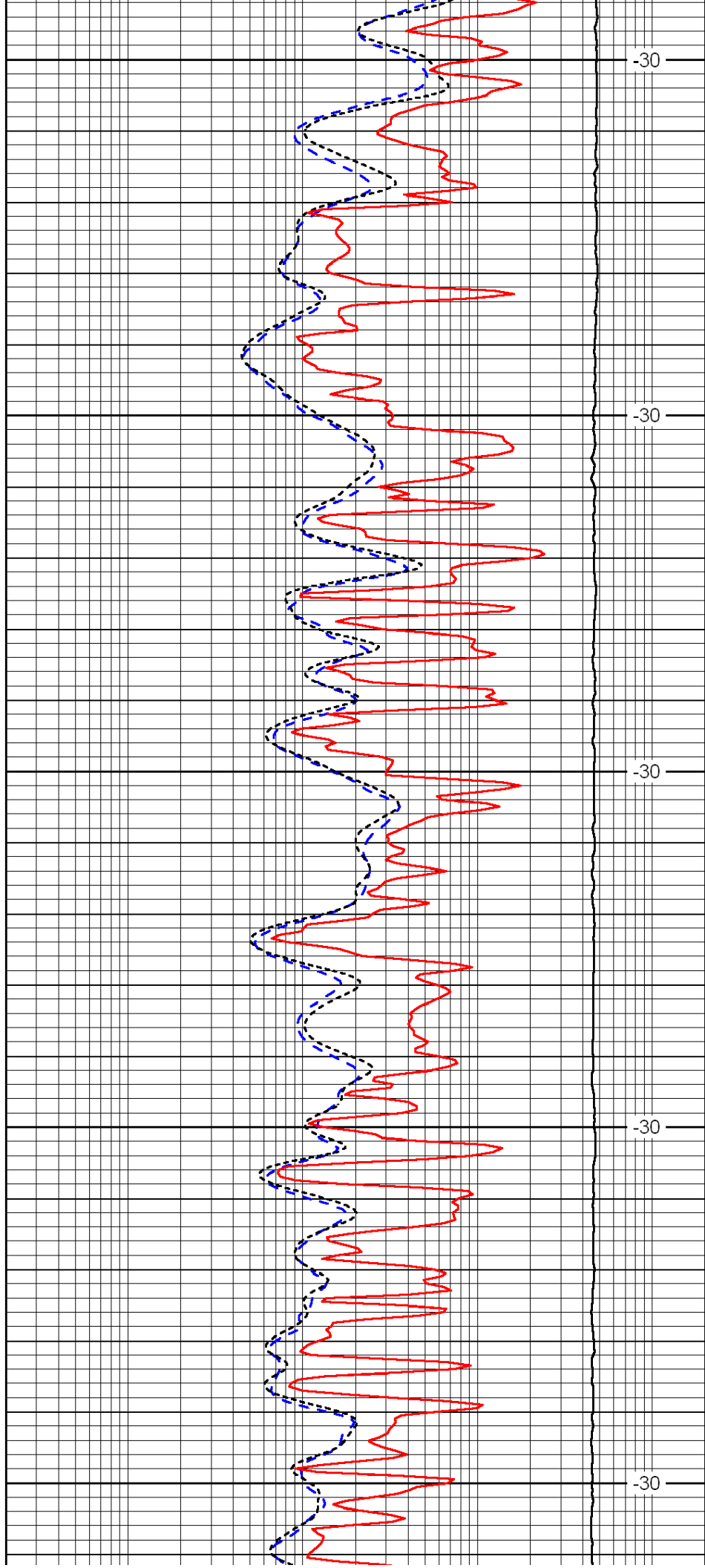
4300

4350

4400

4450

4500



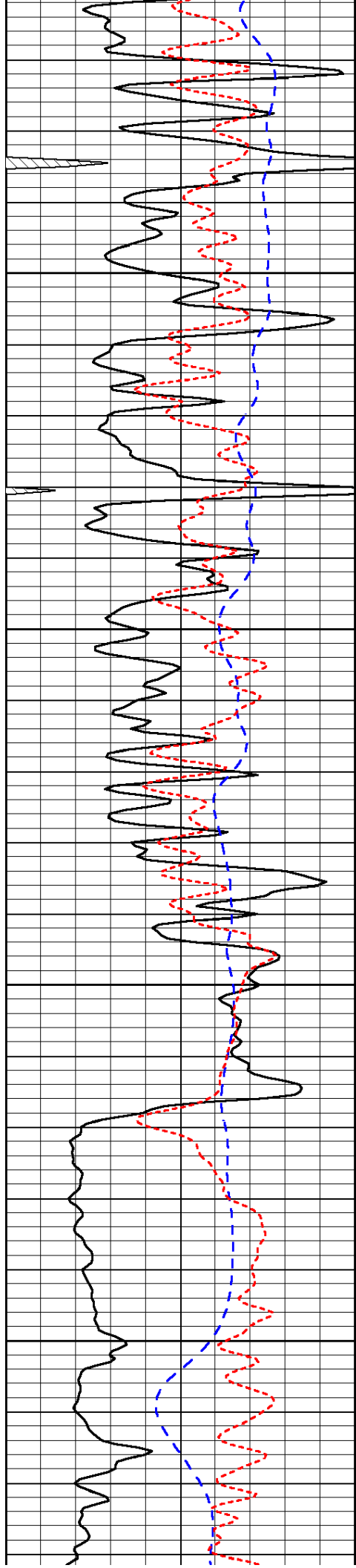
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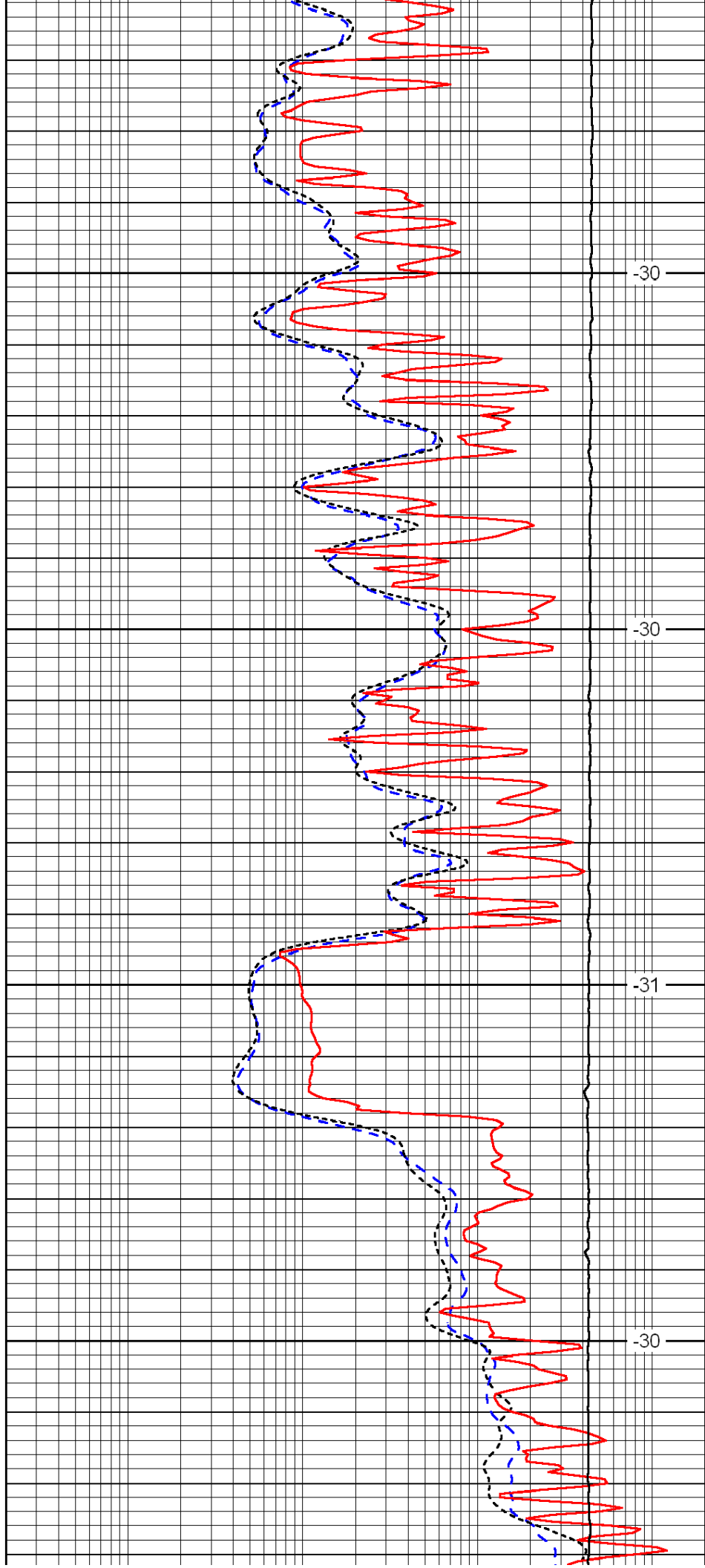


4550

4600

4650

4700

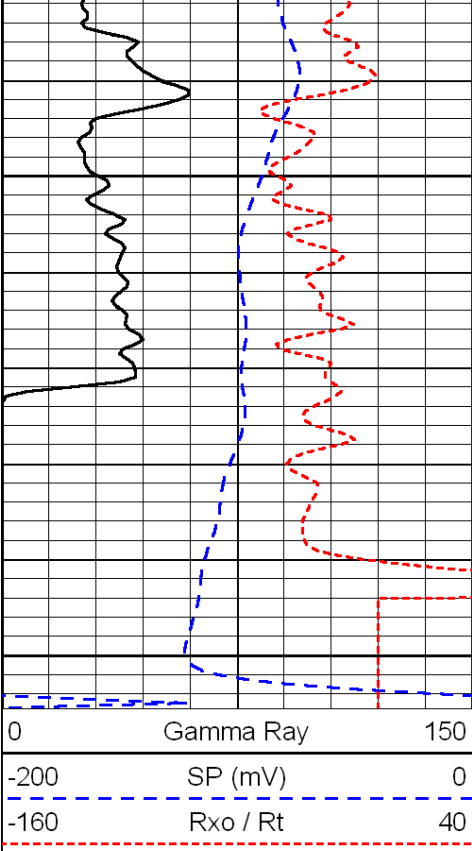


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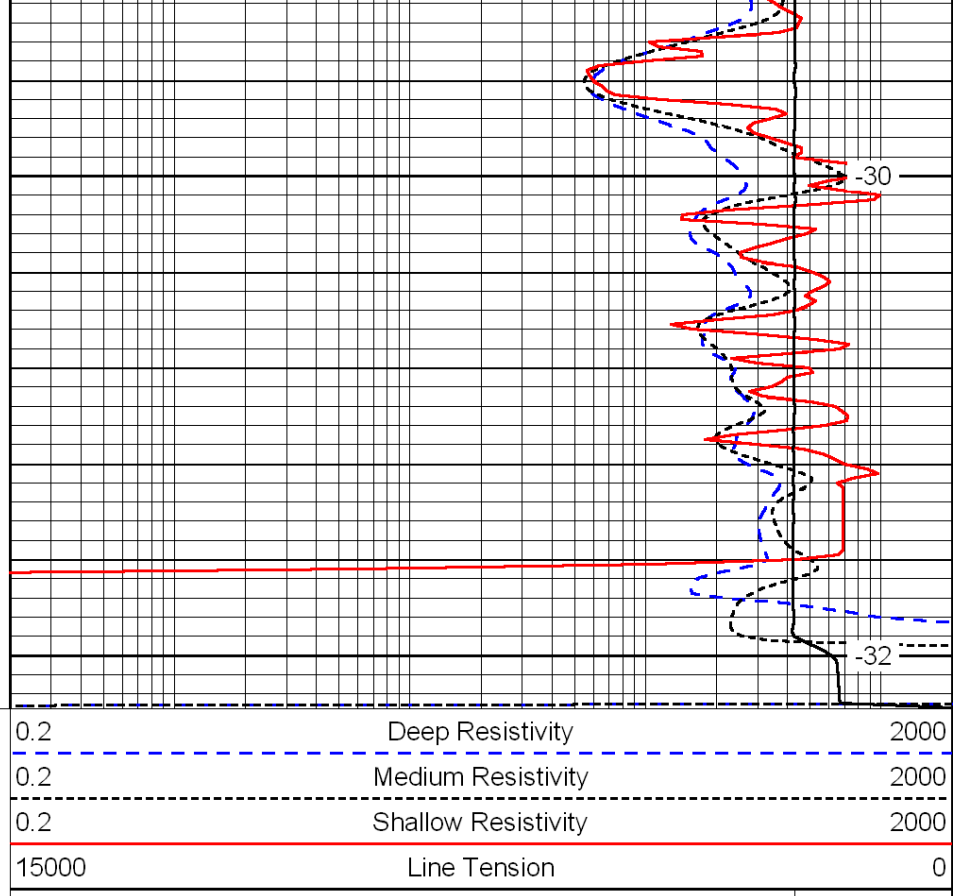
-31

-30



4750

4800



-30

-32

LSPD