



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Norstar Petroleum, Inc.				
15-193-20835-00-00	Well WJLH Koons No. 2-36				
	Field Unnamed				
	County Thomas	State			Kansas
	Location	NW - NE - NW - SE 2396' FSL & 1885' FEL			
Sec: 36		Twp: 10 S	Rge: 35 W	Other Services CNL/CDL MEL	
Permanent Datum	Ground Level	Elevation 3289		Elevation	
Log Measured From	Kelly Bushing	5	Ft. Above Perm. Datum	K.B. 3294	
Drilling Measured From	Kelly Bushing			D.F. 3289	
Date	3/2/2012				
Run Number	One				
Depth Driller	4900				
Depth Logger	4901				
Bottom Logged Interval	4900				
Top Log Interval	250				
Casing Driller	8.625 @ 260				
Casing Logger	255				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	7000				
Density / Viscosity	9.4	66			
pH / Fluid Loss	10.0	8.0			
Source of Sample	Flowline				
Rm @ Meas. Temp	0.60 @ 53				
Rmf @ Meas. Temp	0.45 @ 53				
Rmc @ Meas. Temp	0.81 @ 53				
Source of Rmf / Rmc	Charts				
Rm @ BHT	0.25 @ 125				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	125				
Equipment Number	17				
Location	Hays				
Recorded By	B. Becker				
Witnessed By	Brad Rine				

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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

Monument, Ks; 2-1/2 West to Hwy 25;
North to F Rd; 6 West to Rd 13; 4-1/2 South;
West to location at tank batteries

0	Gamma Ray	150
-200	SP (mV)	0

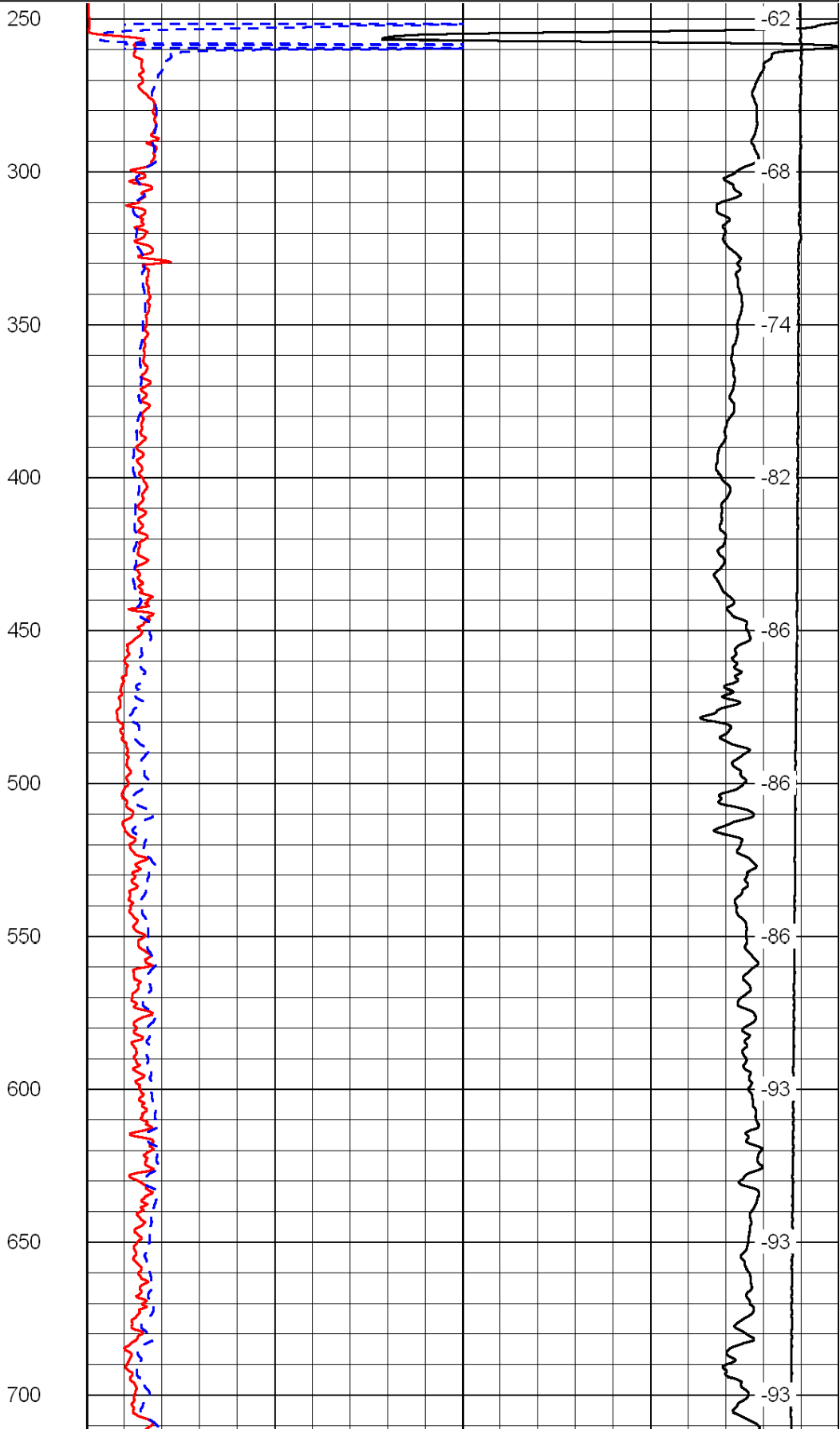
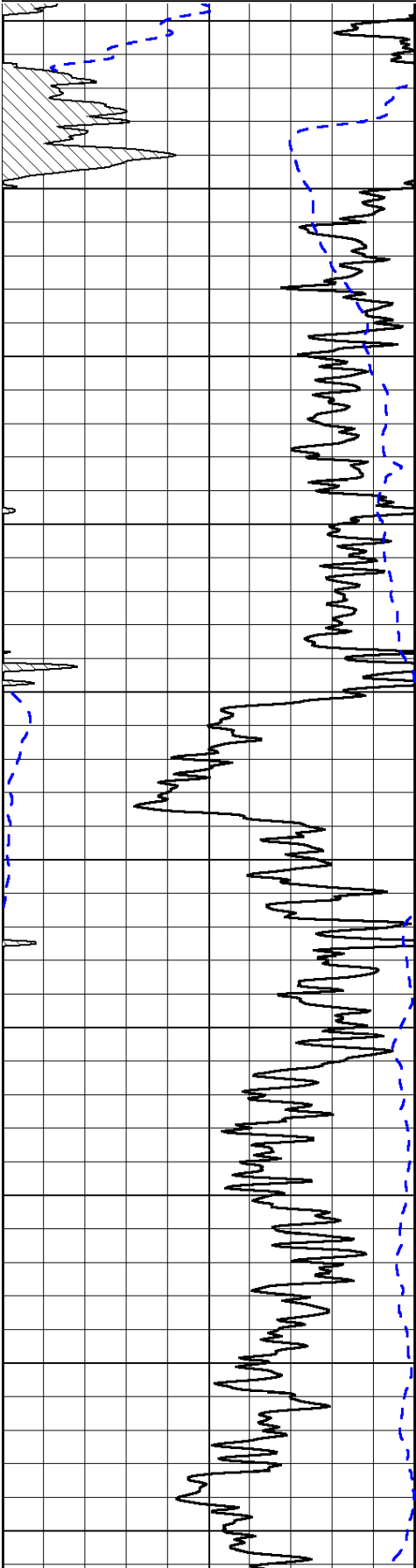
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0	Deep Resistivity	50

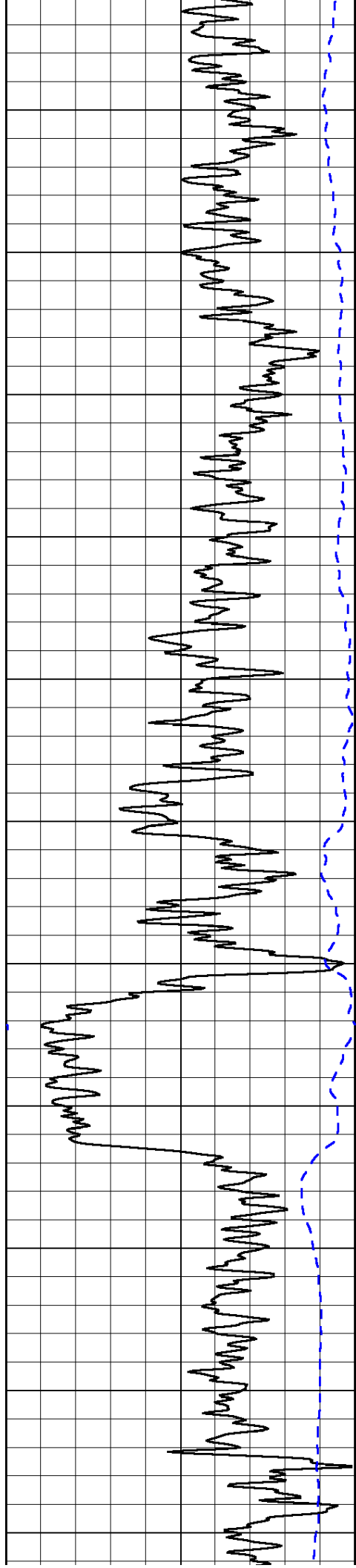
LSPD

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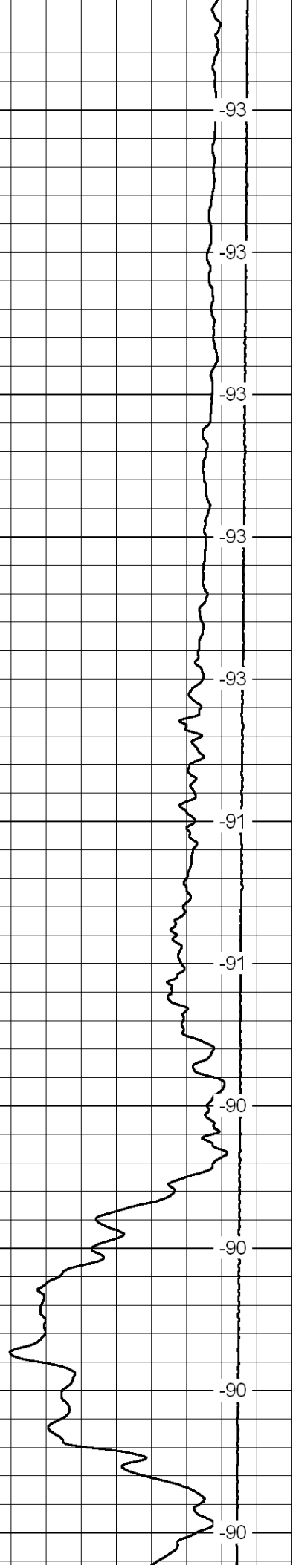
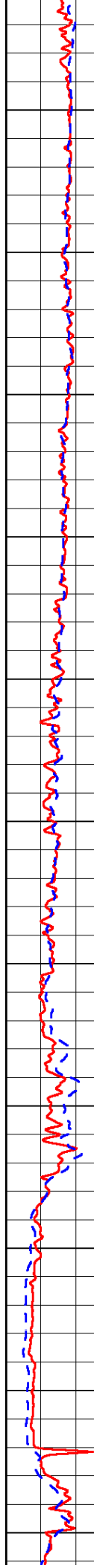
15000	Line Tension	0
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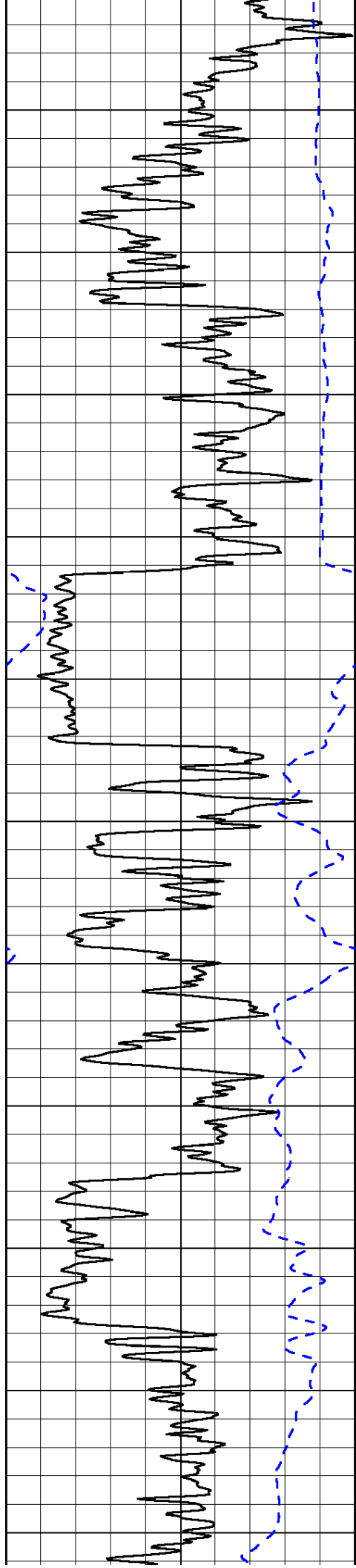
50	Shallow Resistivity	500
50	Deep Resistivity	500



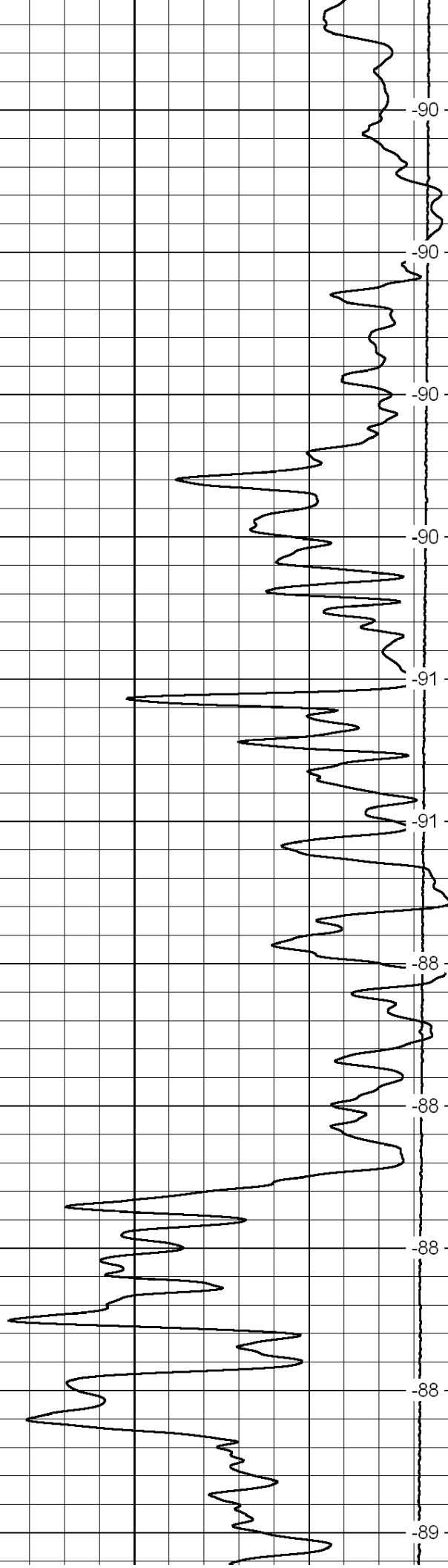
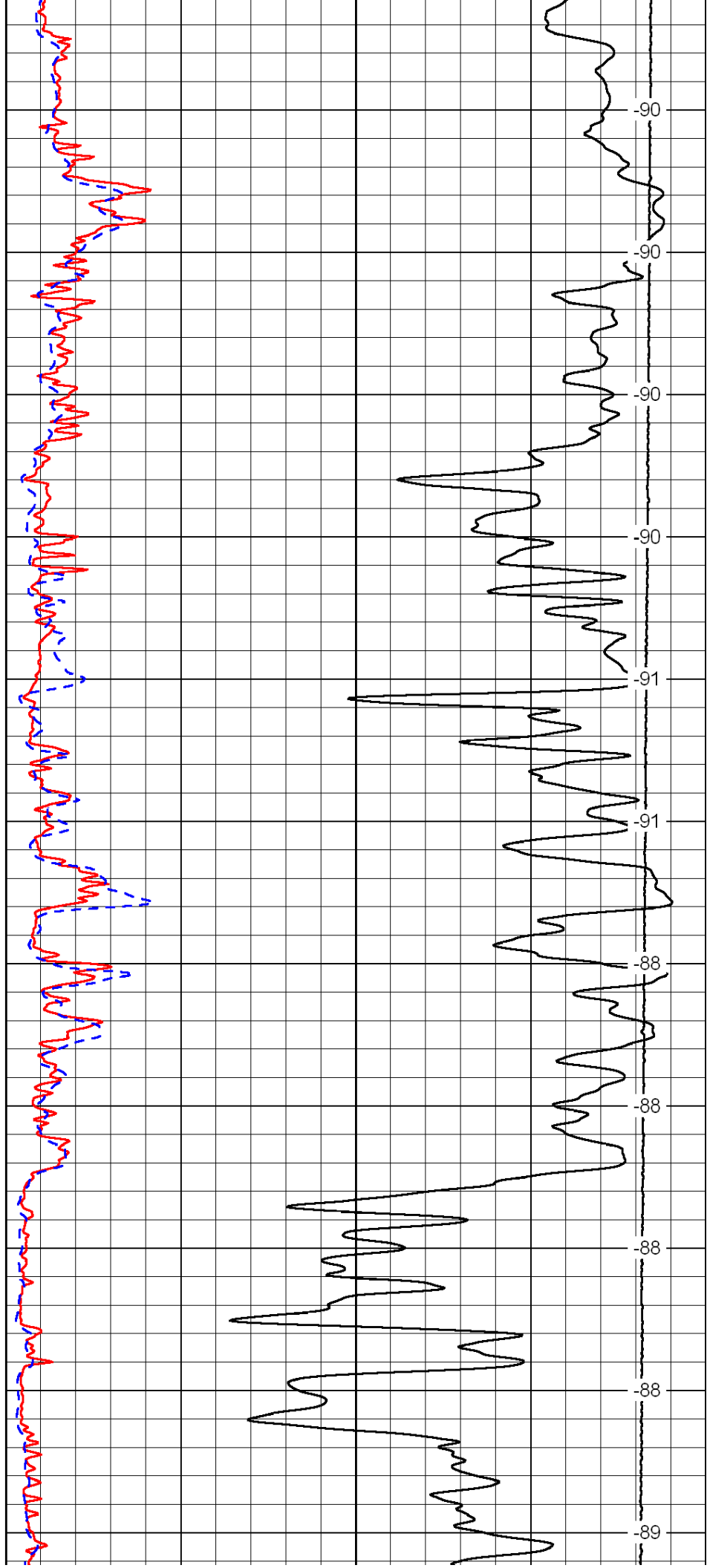


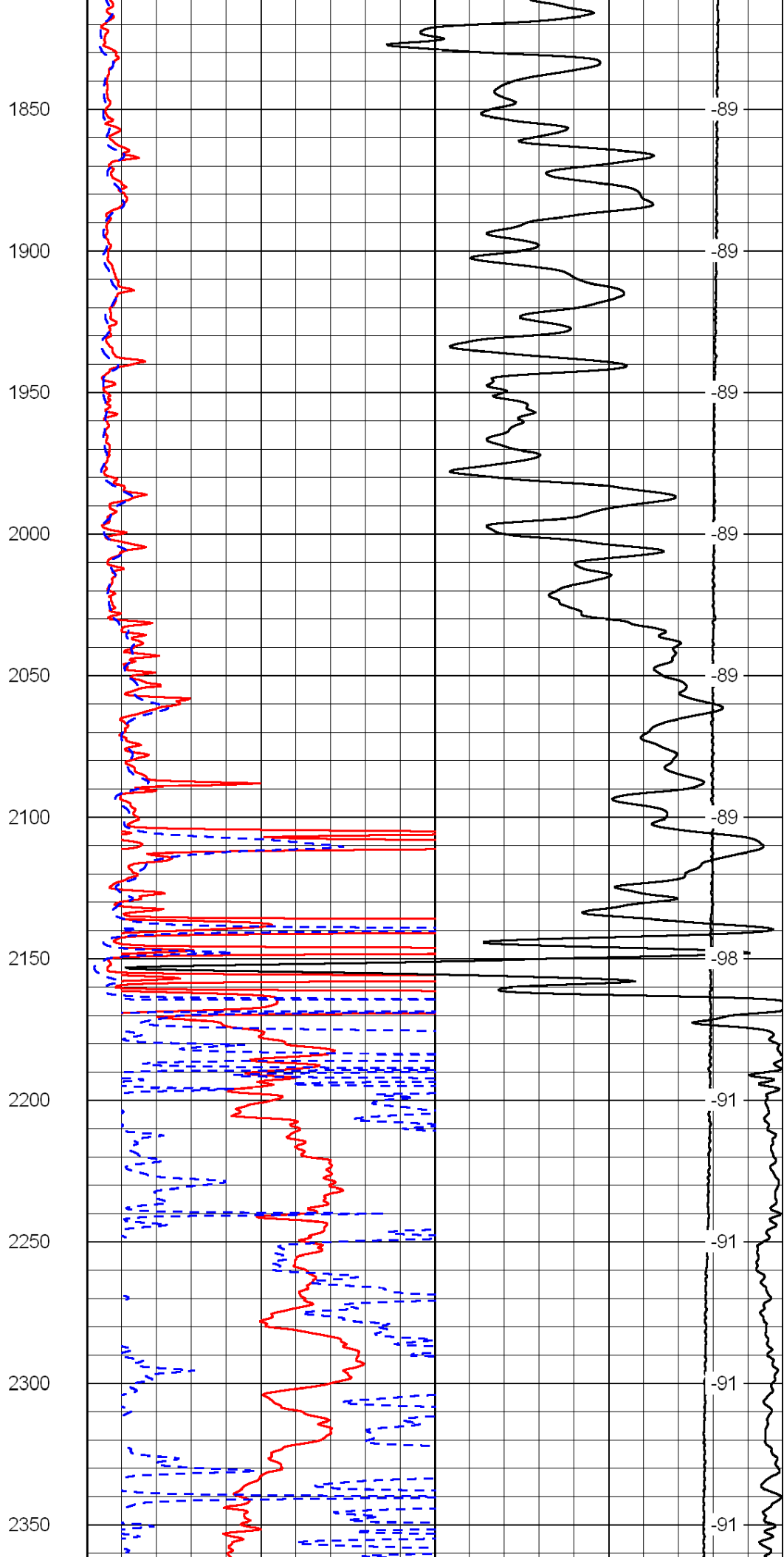
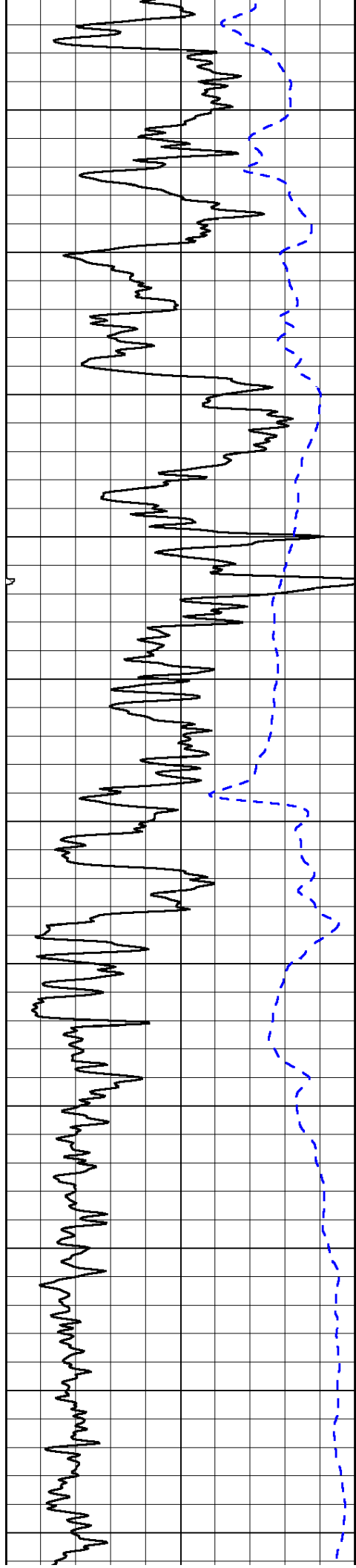
750
800
850
900
950
1000
1050
1100
1150
1200
1250

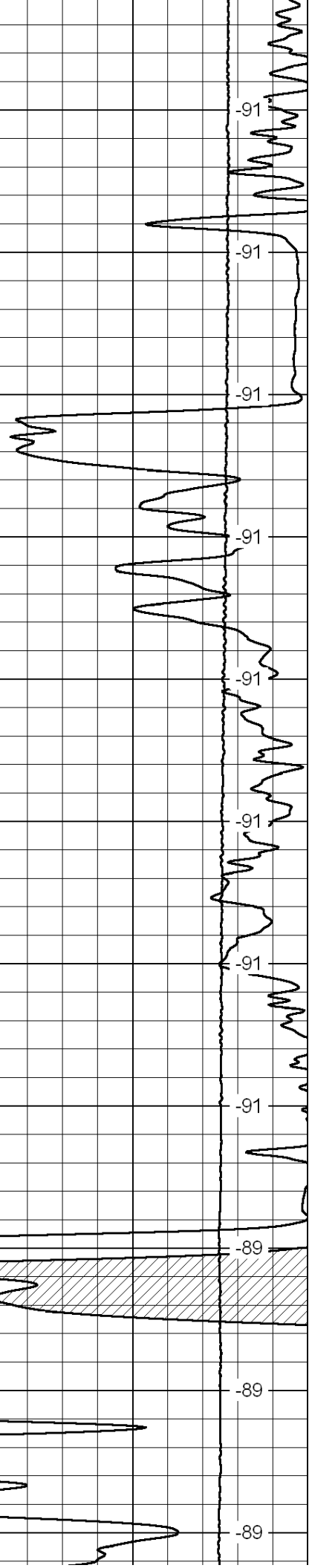
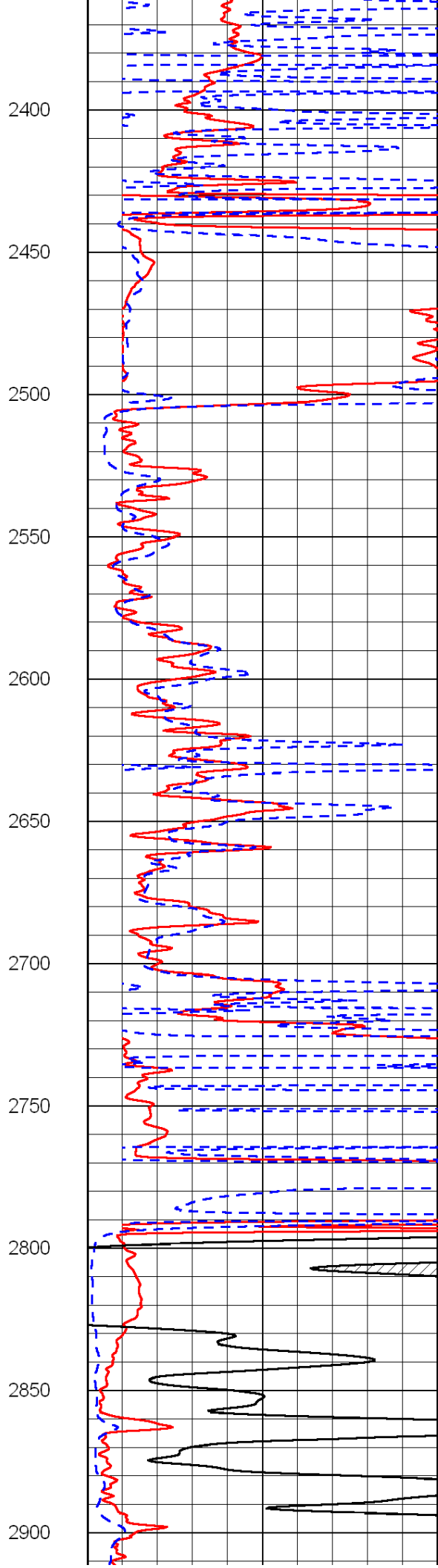
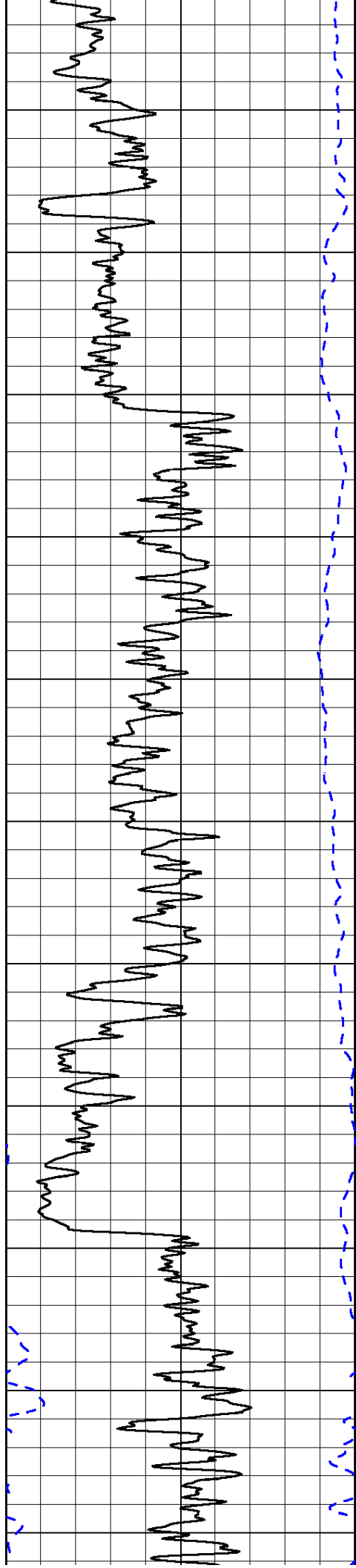


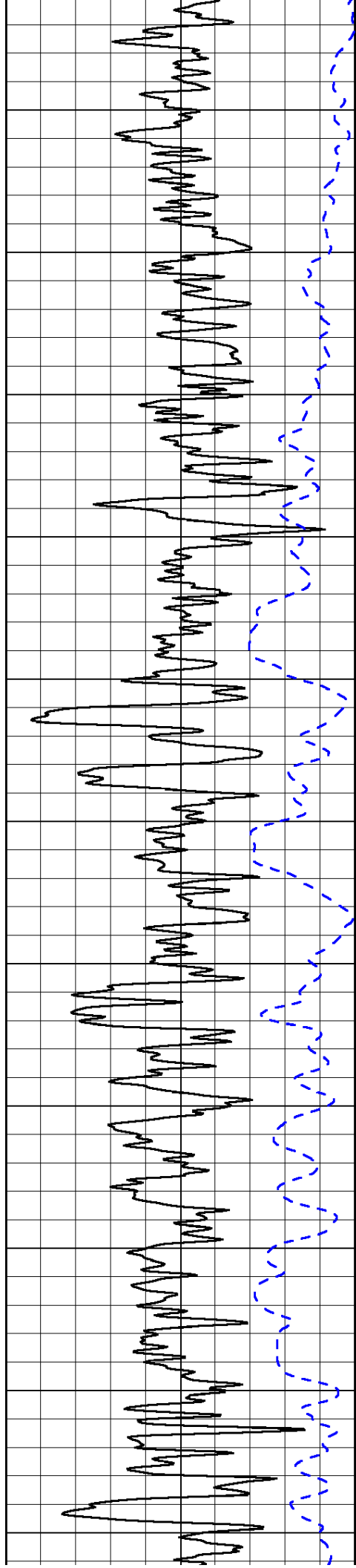


1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800

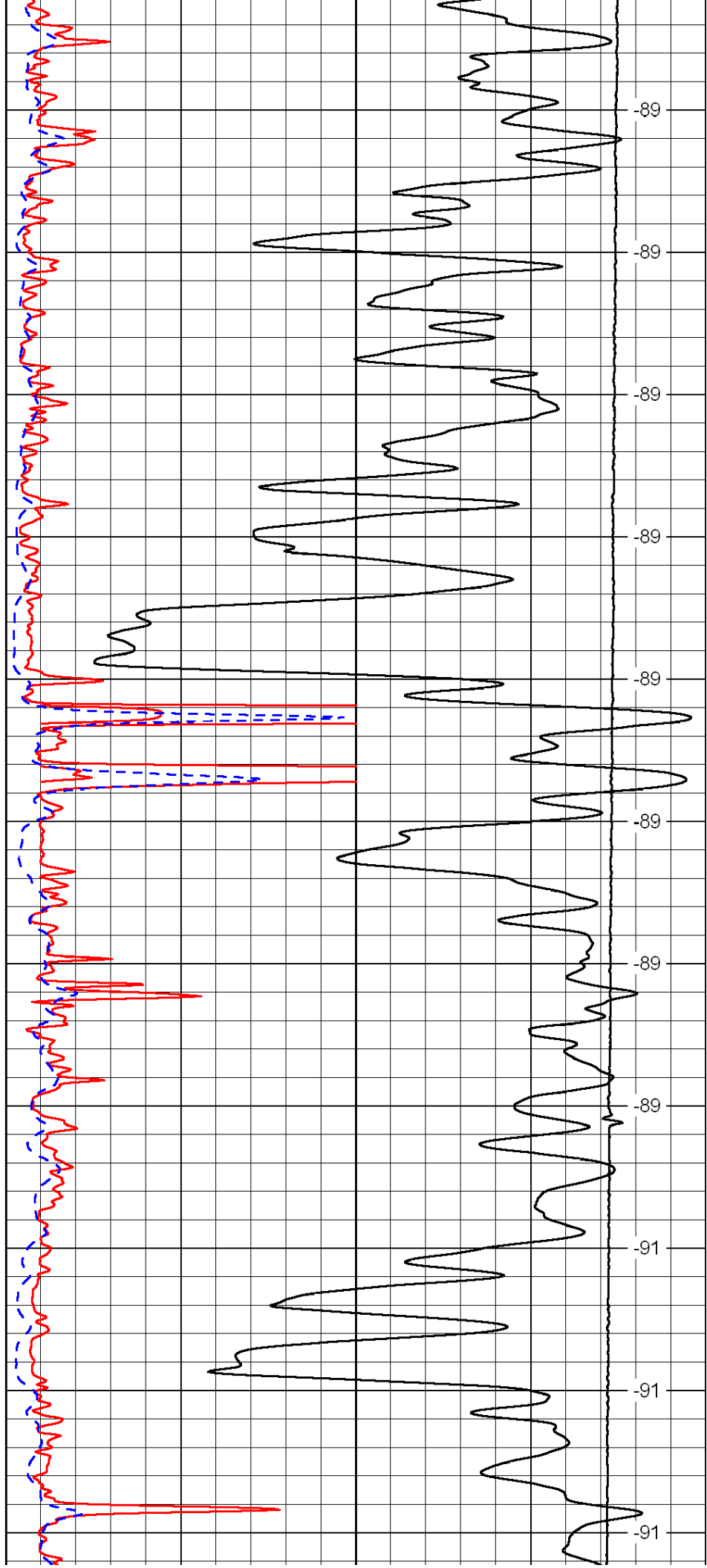




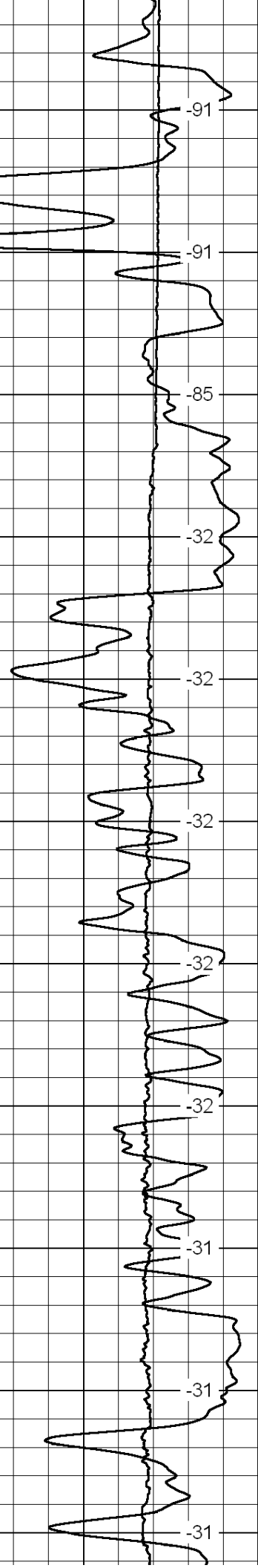
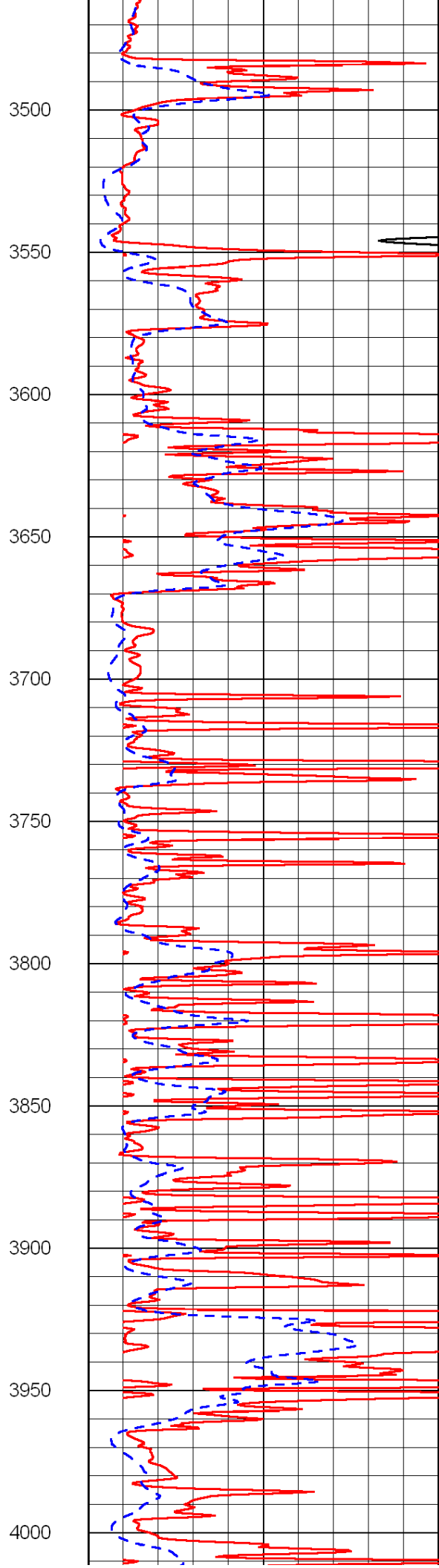
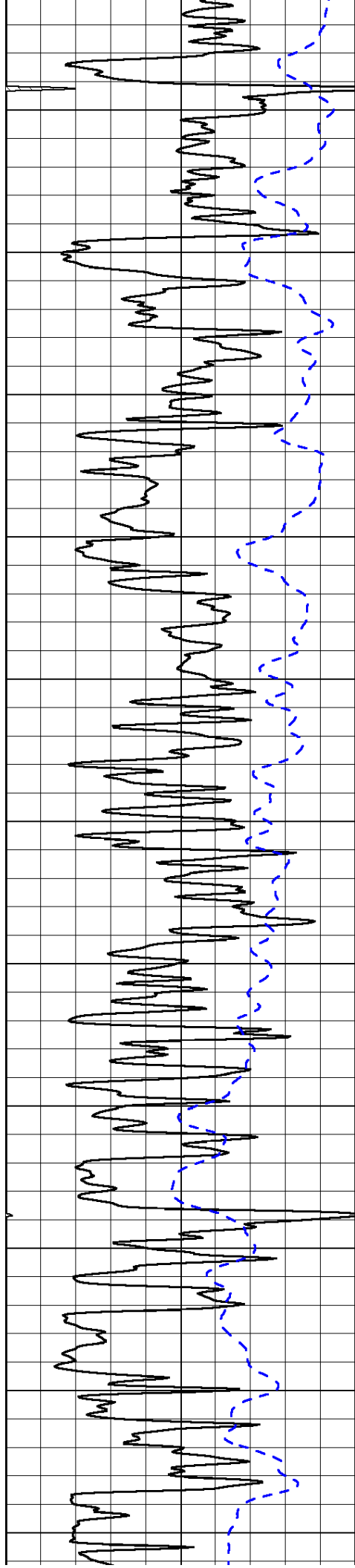


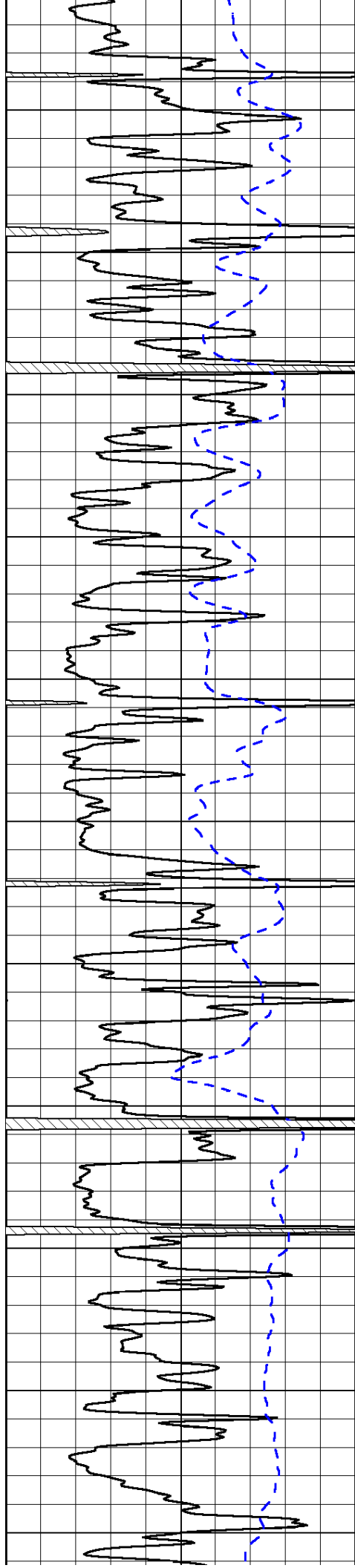


2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450

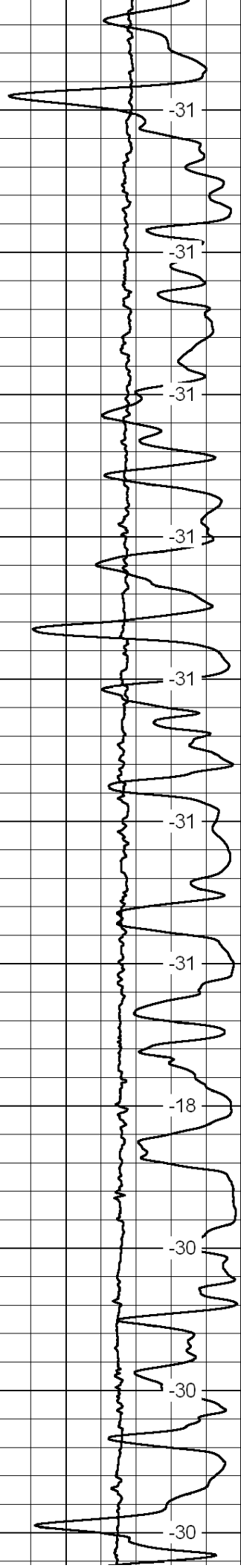
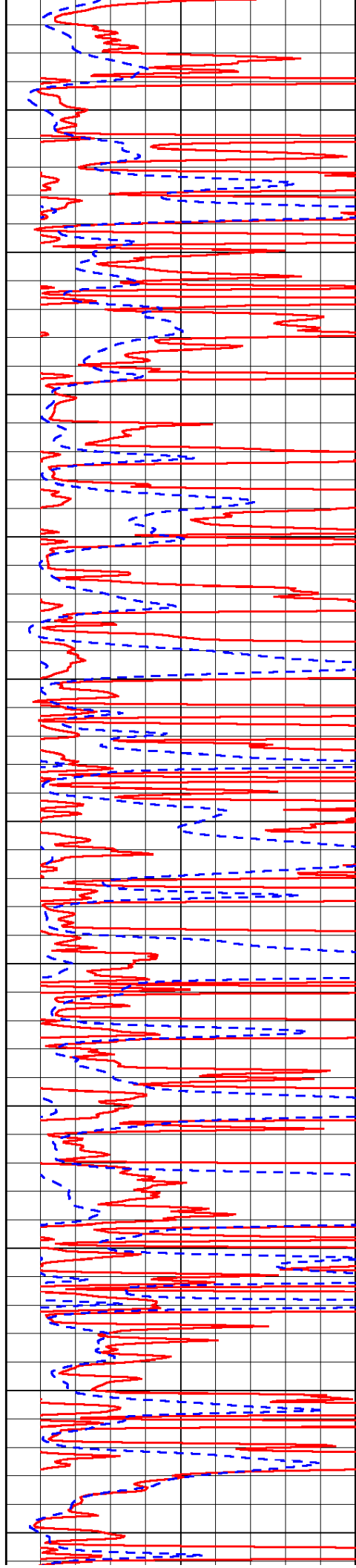


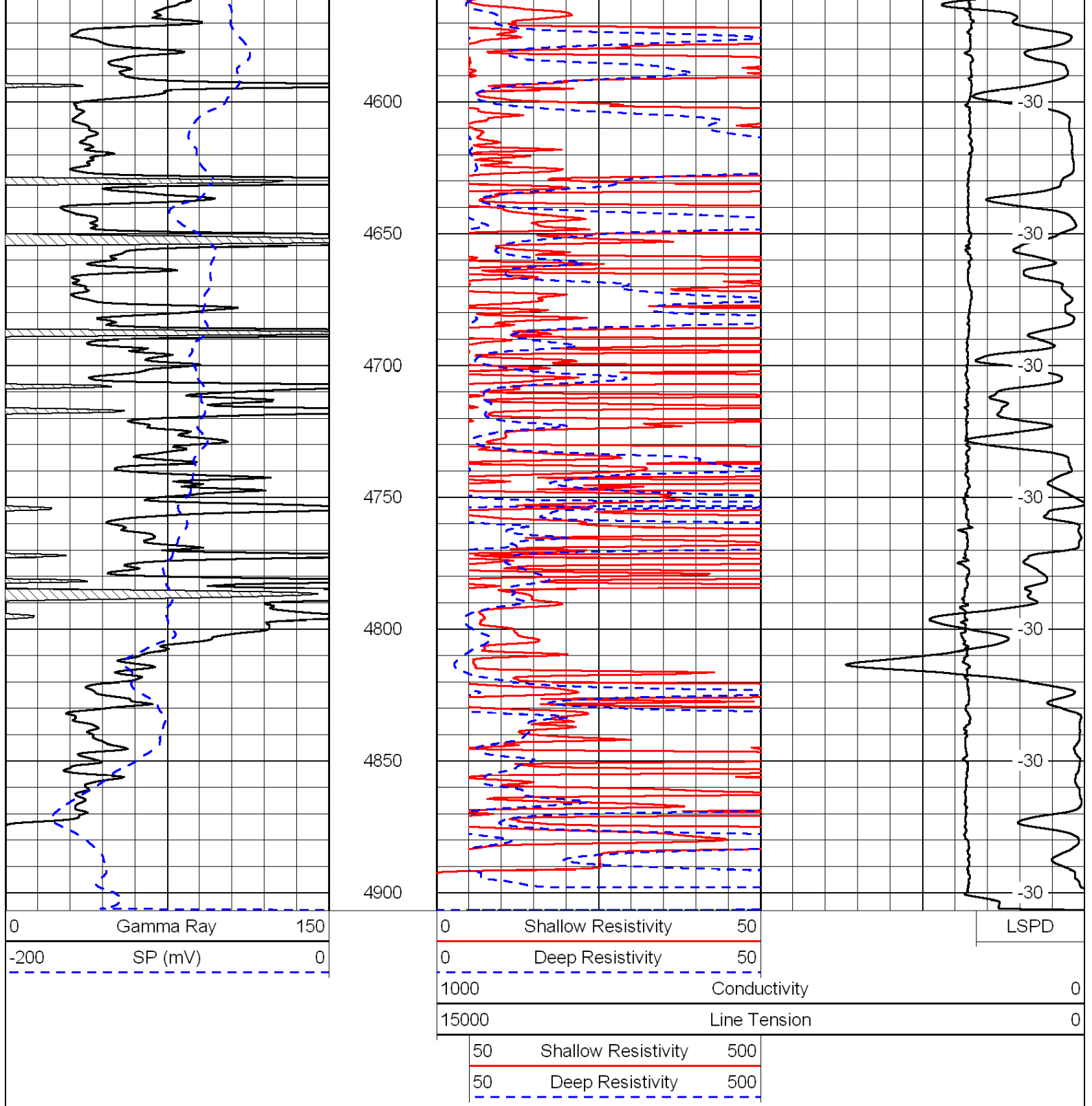
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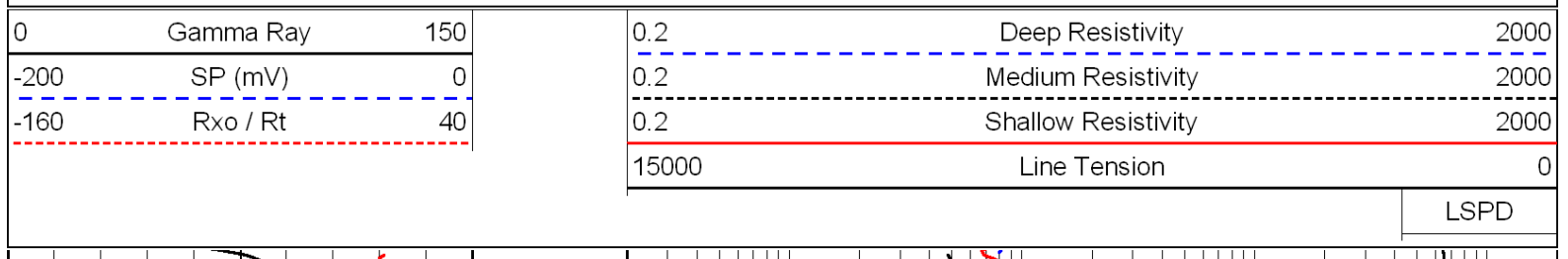


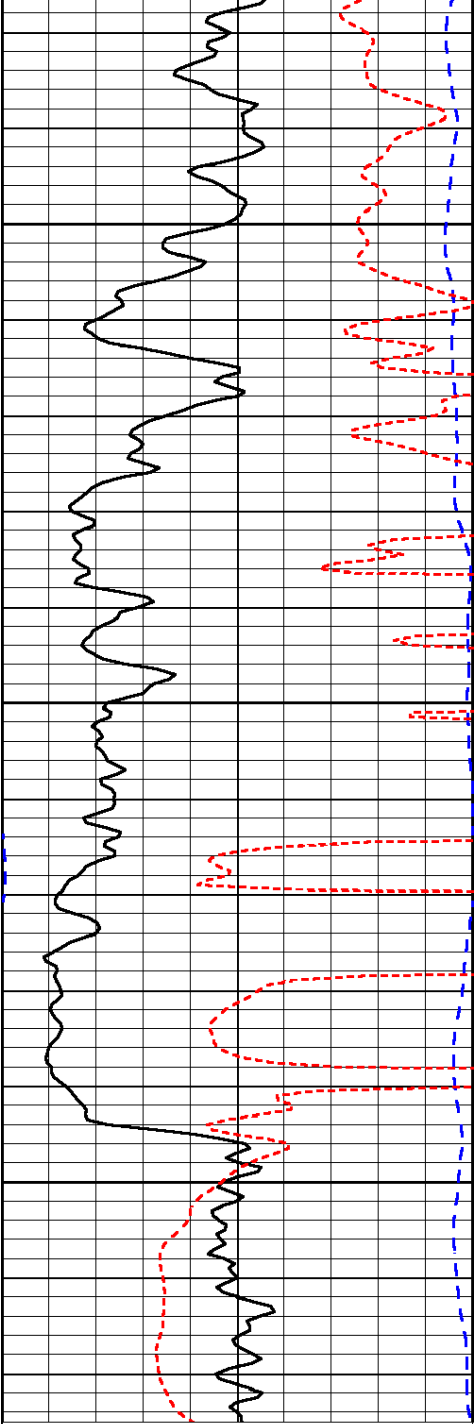
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550





Database File: c:\warrior\data\norstar_wjlh koons no. 2-36\norstarhd.db
 Dataset Pathname: DIL\norstk
 Presentation Format: dil
 Dataset Creation: Fri Mar 02 11:01:09 2012
 Charted by: Depth in Feet scaled 1:240



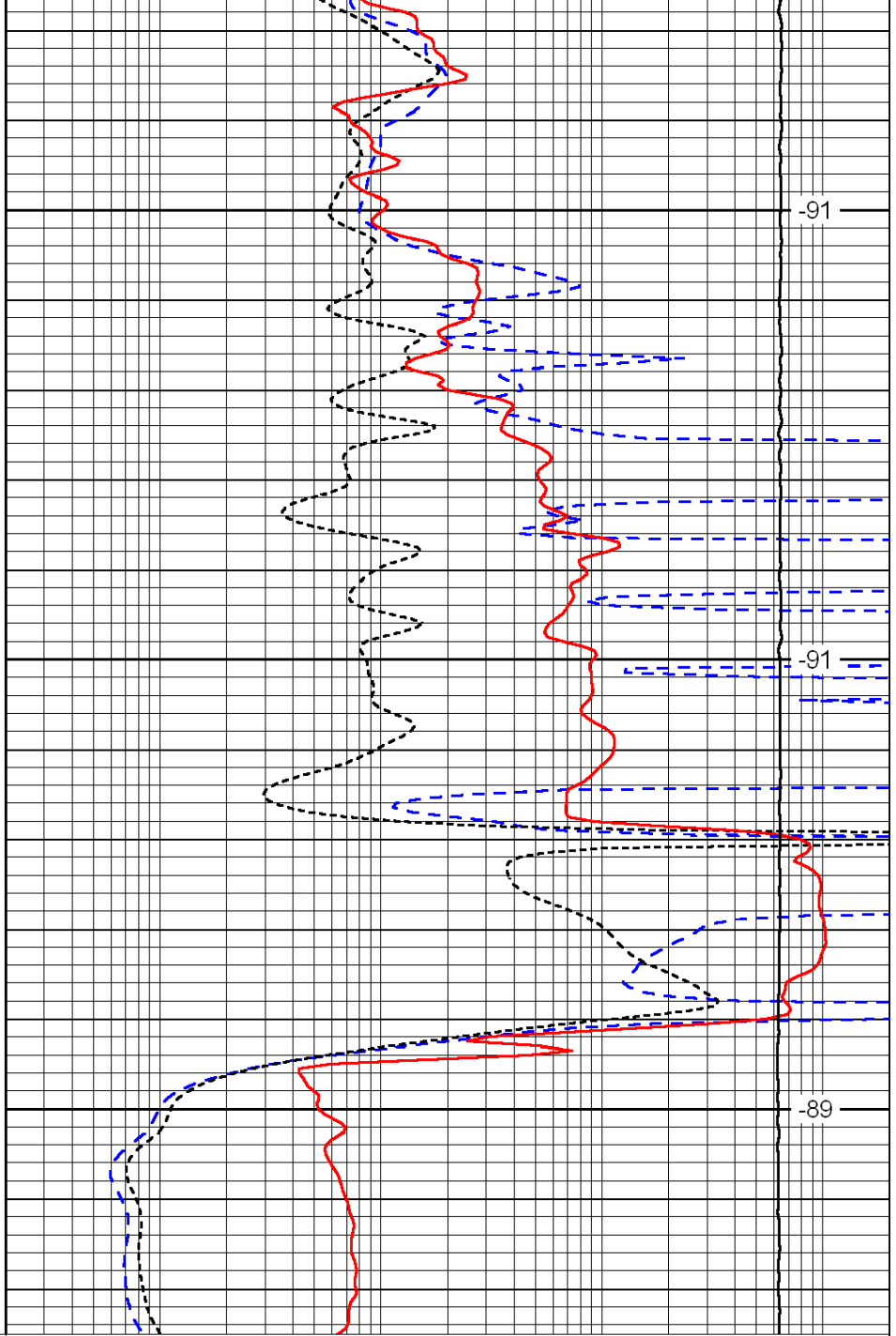


0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

2700

2750

2800



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

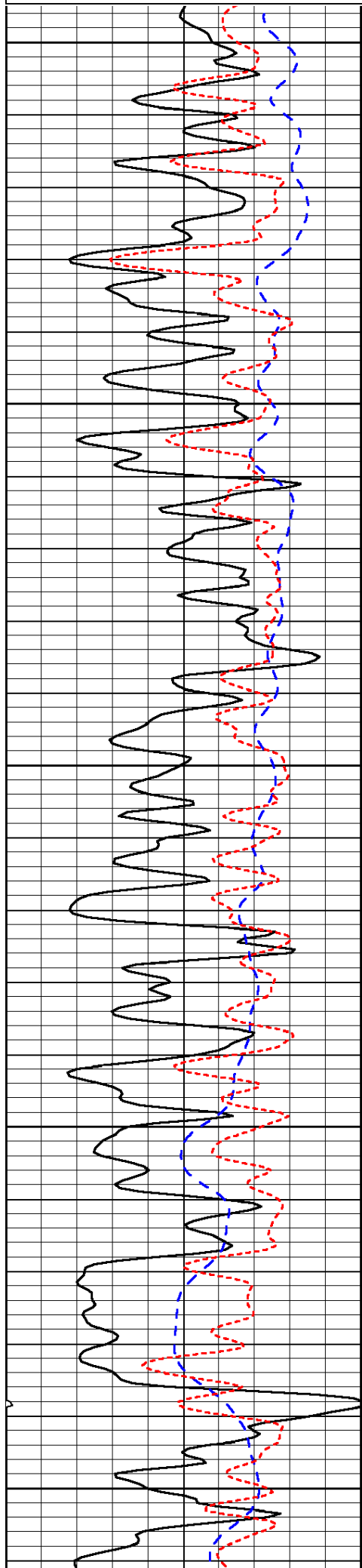
LSPD

Database File: c:\warrior\data\norstar_wjlh koons no. 2-36\norstarhd.db
Dataset Pathname: DIL\norstk
Presentation Format: dil
Dataset Creation: Fri Mar 02 11:01:09 2012
Charted by: Depth in Feet scaled 1:240

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



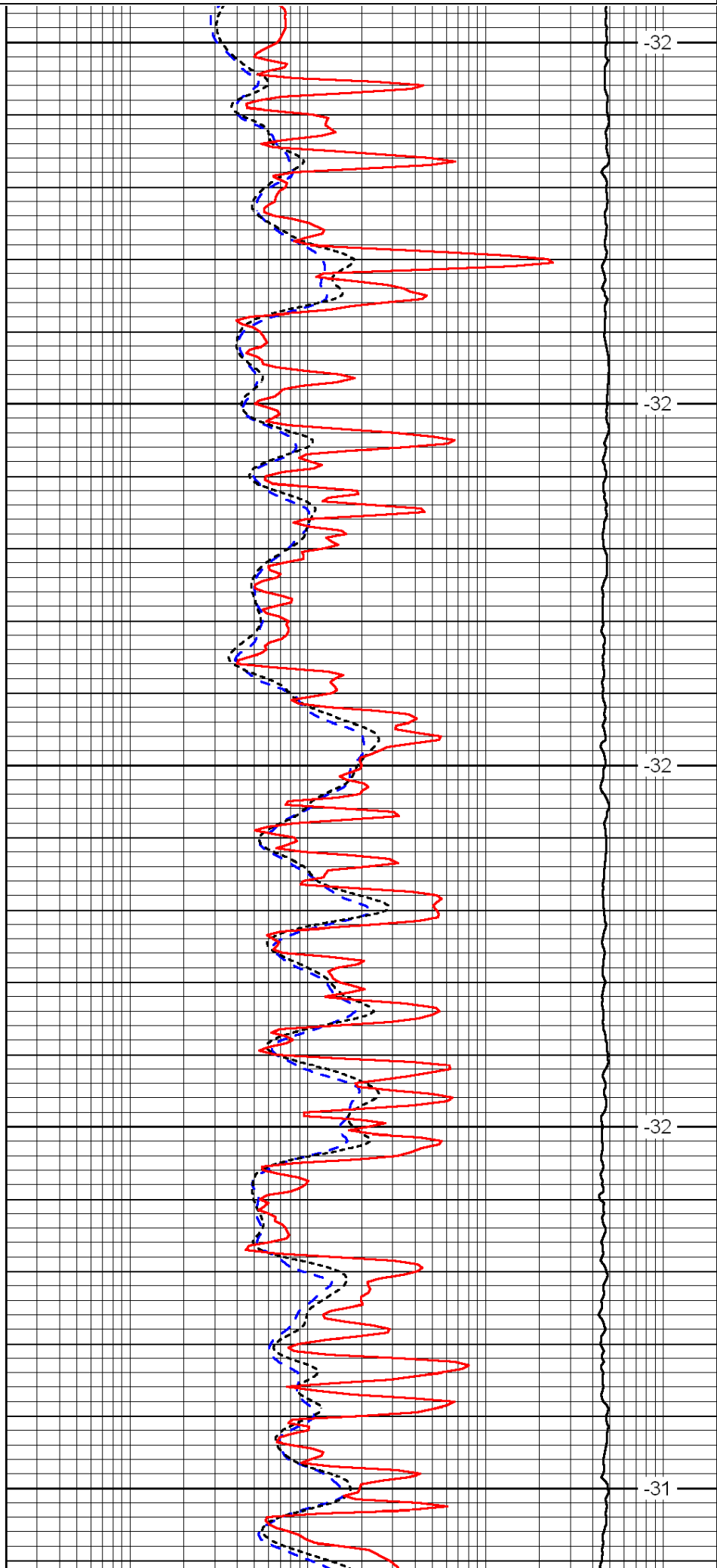
3700

3750

3800

3850

3900



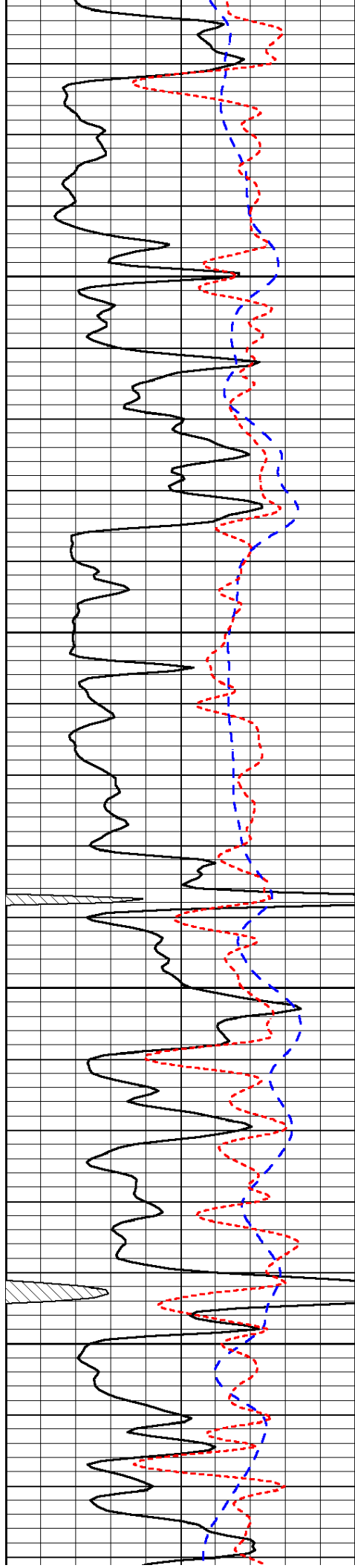
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-32

-32

-32

-31

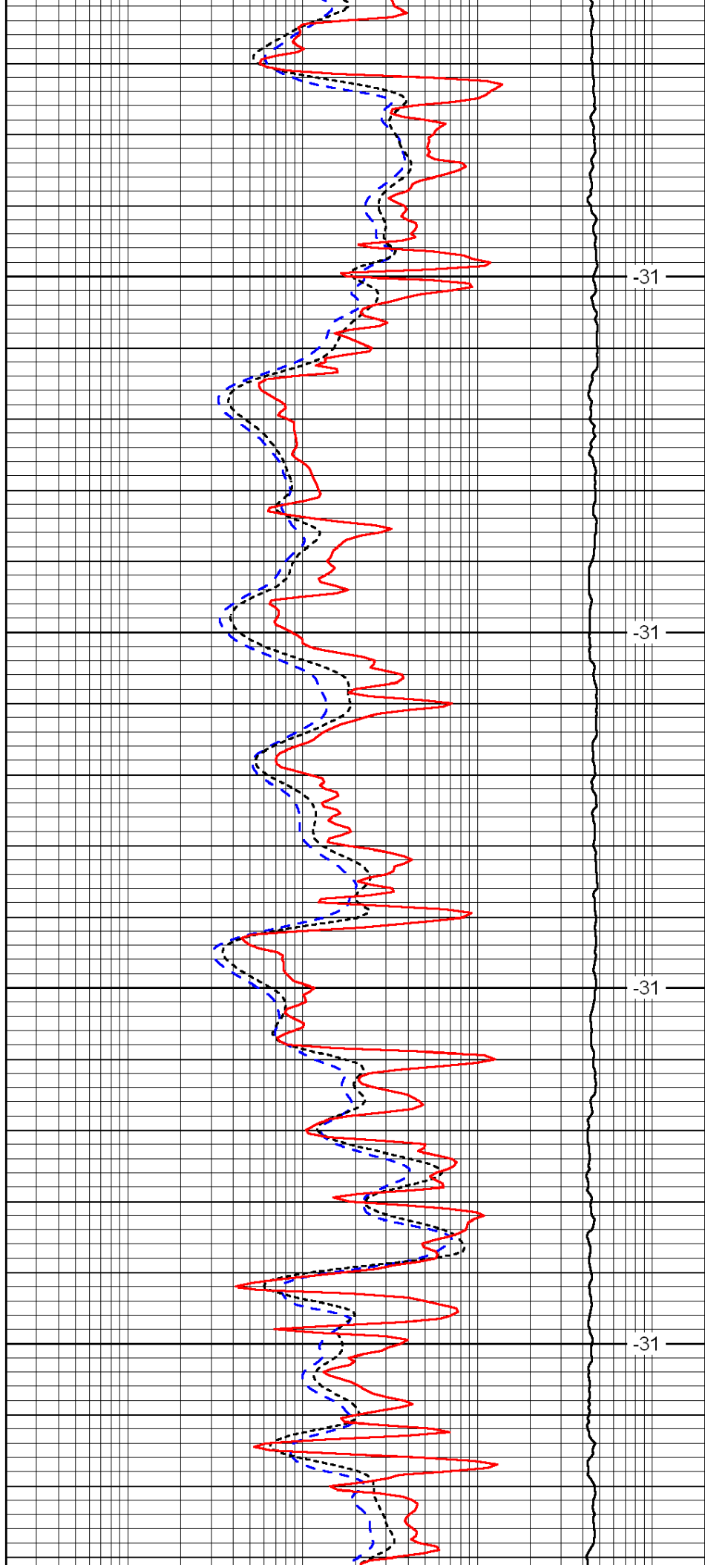


3950

4000

4050

4100

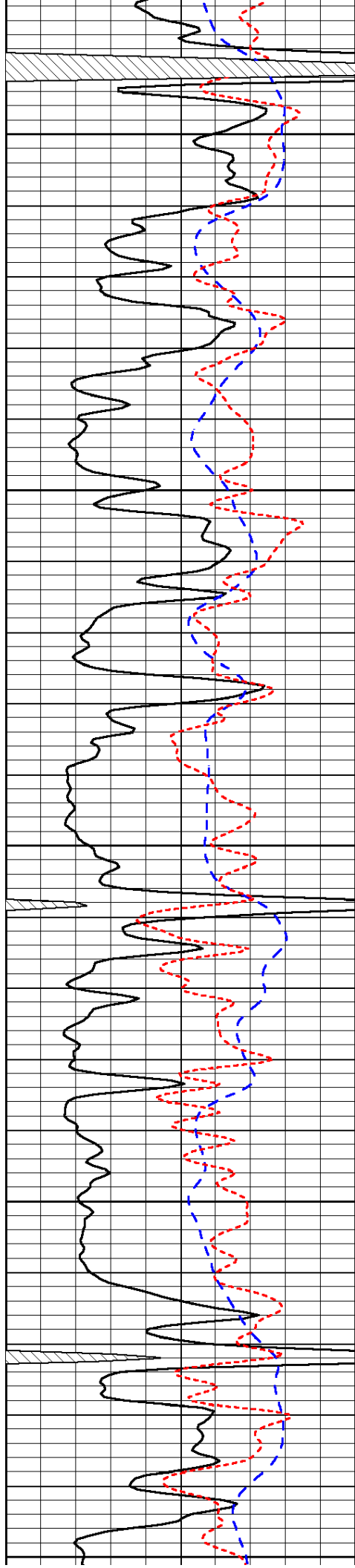


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-31

-31

-31



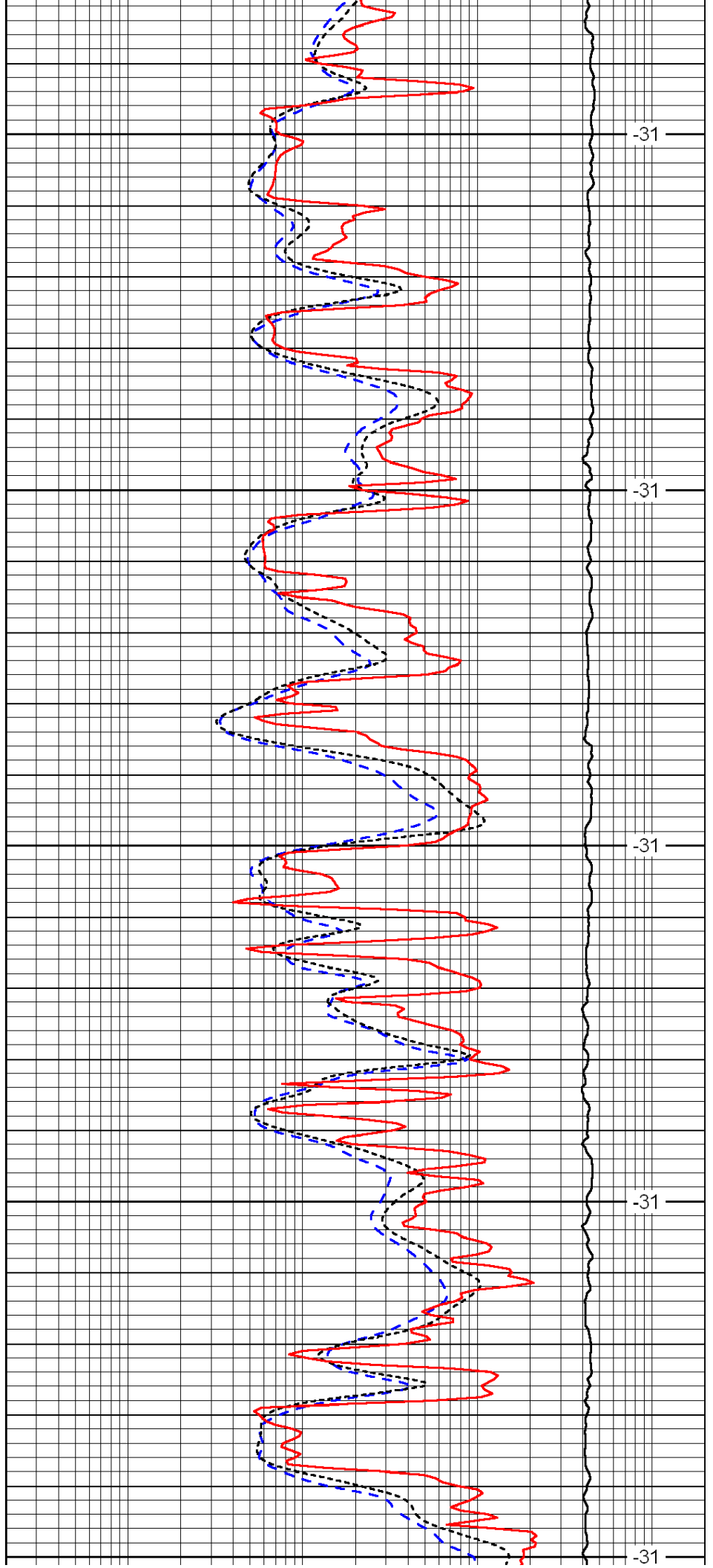
4150

4200

4250

4300

4350



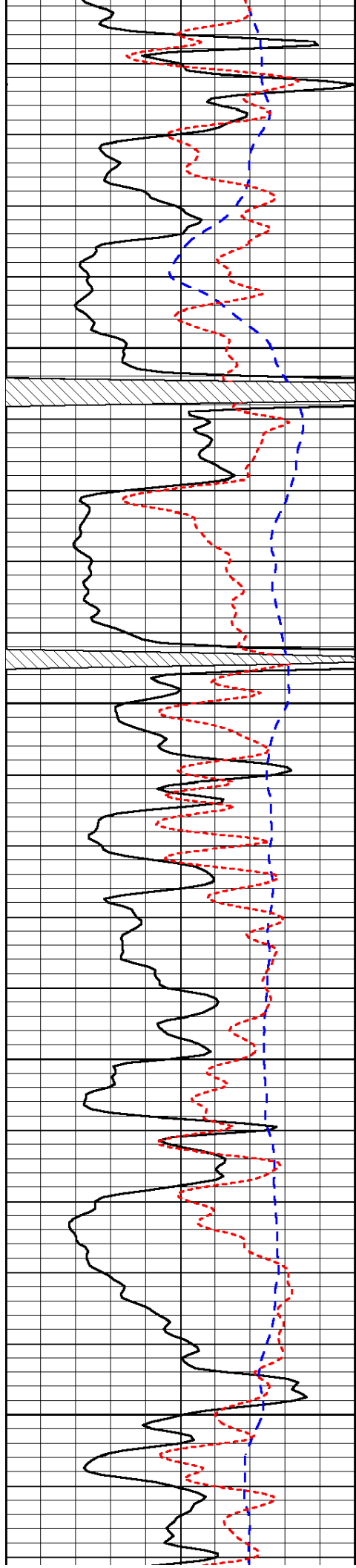
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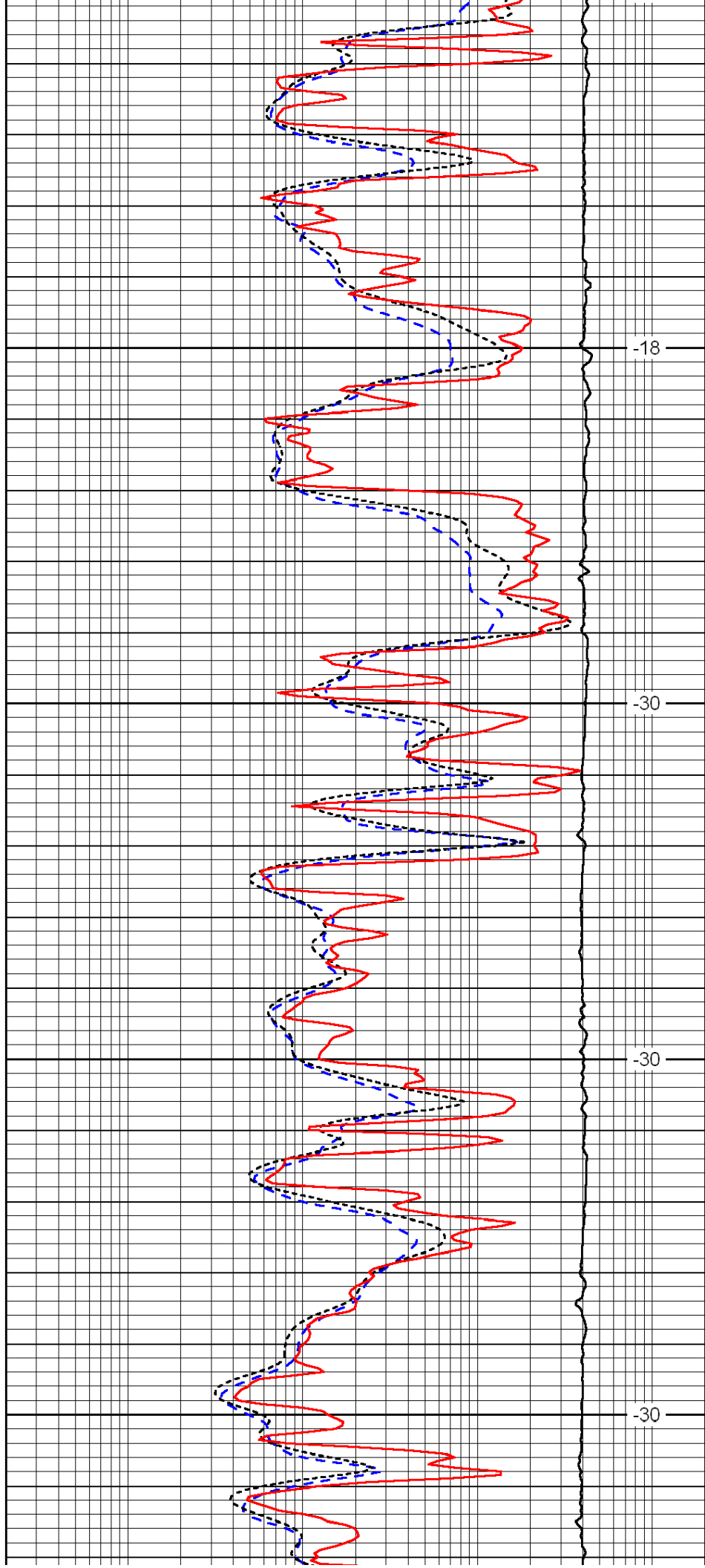


4400

4450

4500

4550

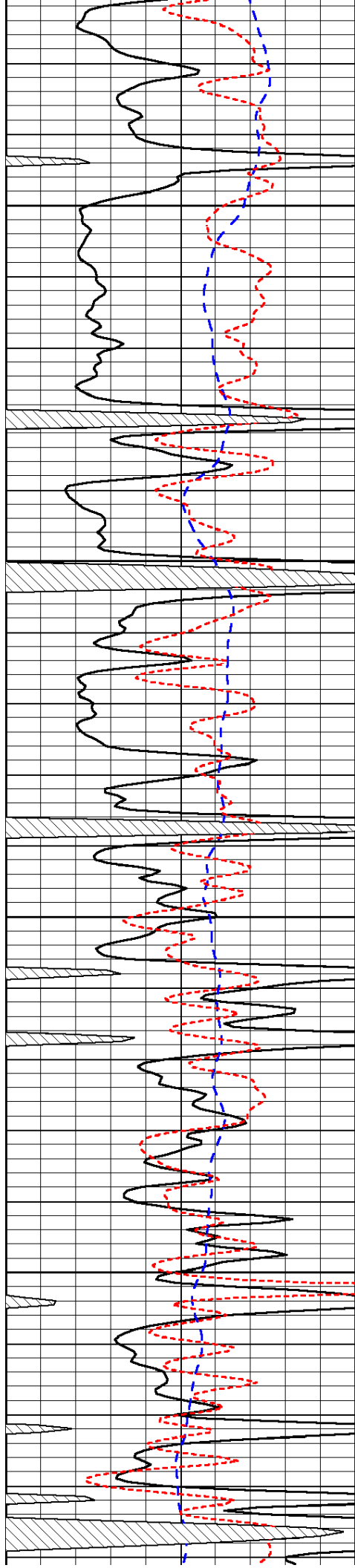


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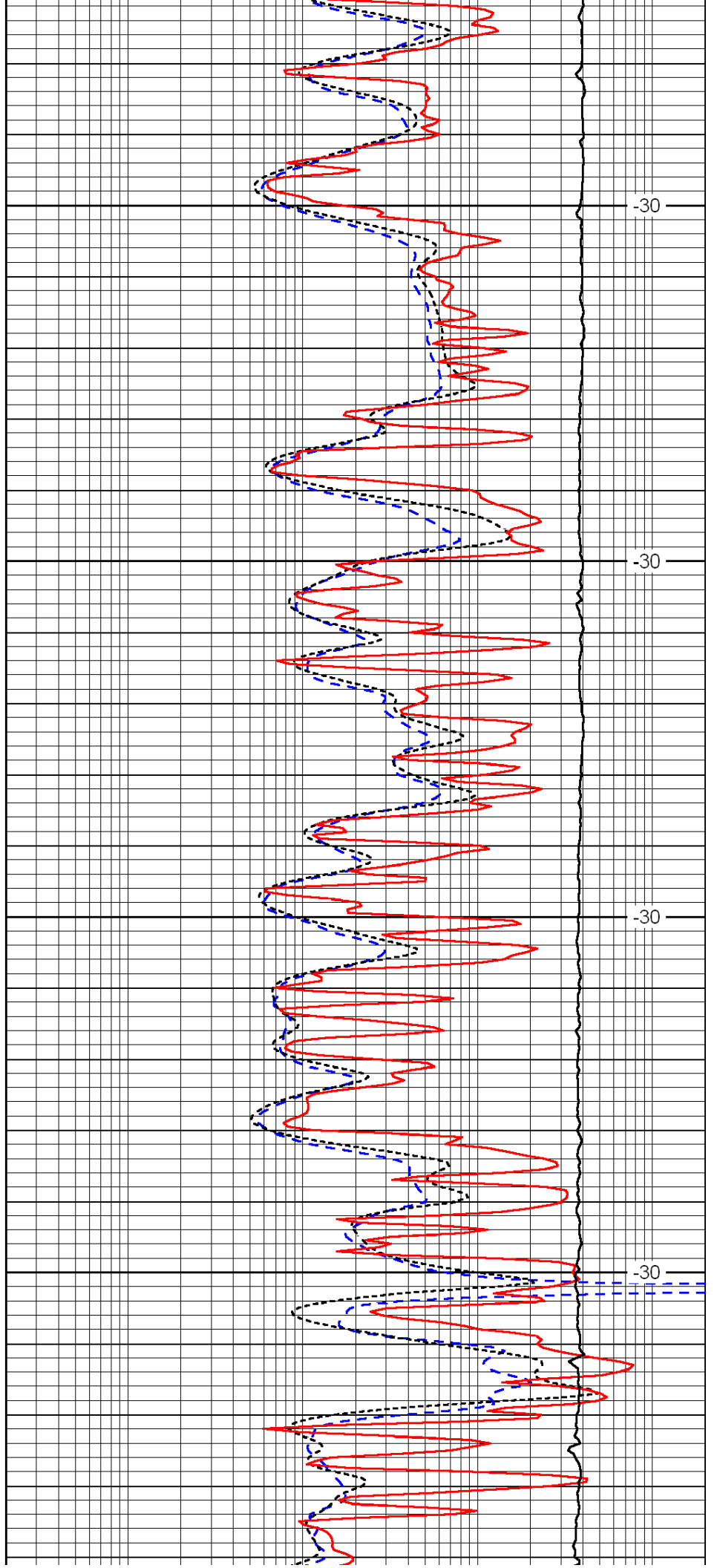


4600

4650

4700

4750

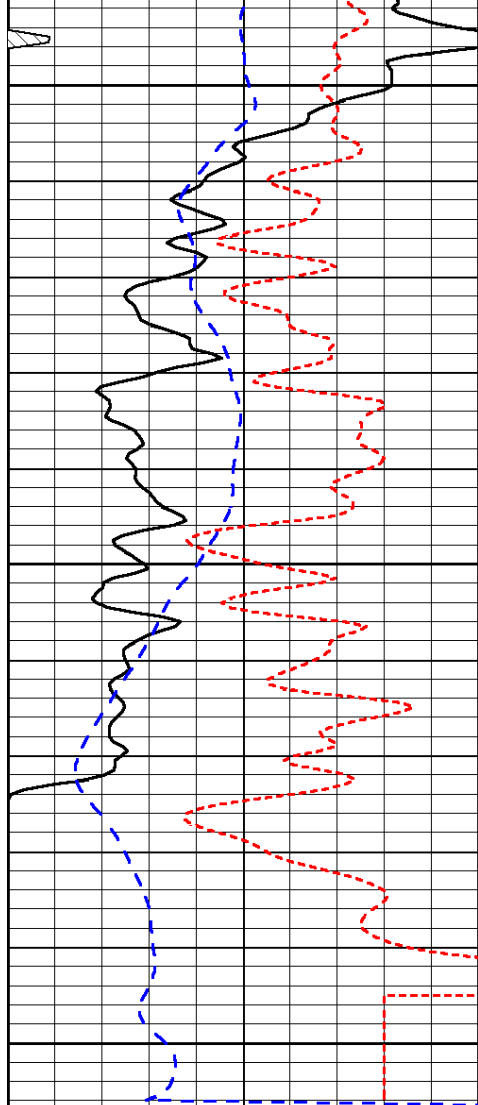


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-30

-30

-30

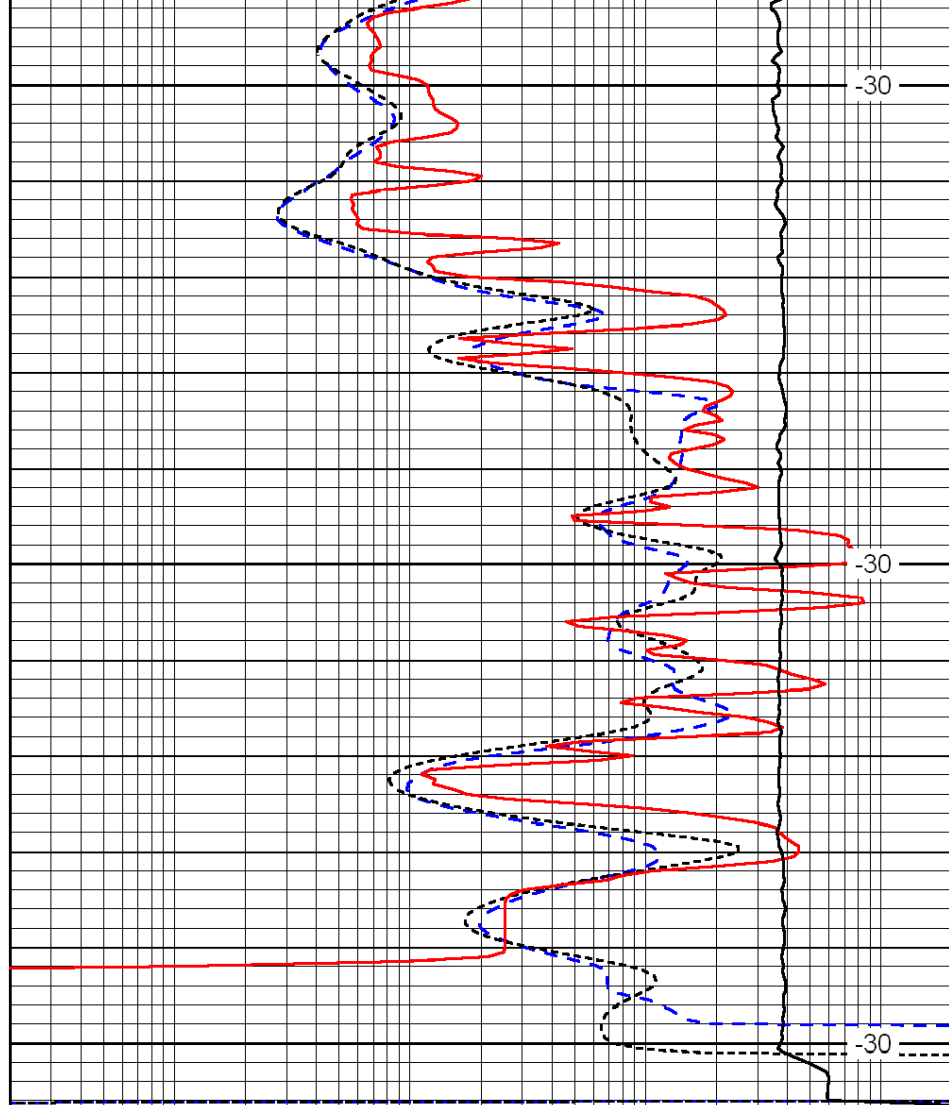


0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

4800

4850

4900



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

LSPD