



Dual Induction Log

Pioneer Energy Services

API No.	15-195-22,842-00-00		
Company	Central Operating, Inc.		
Well	Sylvia No. 1		
Field	Revilo		
County	Trego	State	Kansas
Location	NW NE SE NE 1530' FNL & 610' FEL		
Sec: 7	Twp: 15 S	Rge: 25 W	Other Services CNL/CDL MEI/BHCS
Permanent Datum	Ground Level	Elevation 2340	Elevation
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	K.B. 2351 D.F. 2340 G.L. 2340
Drilling Measured From	Kelly Bushing		
Date	12/31/2012		
Run Number	One		
Depth Driller	4380		
Depth Logger	4385		
Bottom Logged Interval	4384		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1800		
Density / Viscosity	8.7 50		
pH / Fluid Loss	11.0 6.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	.80 @ 46		
Rmf @ Meas. Temp	.60 @ 46		
Rmc @ Meas. Temp	1.08 @ 46		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.31 @ 120		
Operating Rig Time	6 Hours		
Max Rec. Temp. F	120		
Equipment Number	17		
Location	Hays		
Recorded By	D. Martin		
Witnessed By	Sean Deenihan		

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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
Utica, KS
1 E to E Rd., 9 N to Z Rd.,
1 E, S Into(West Entrance)

Database File: c:\warrior\data\central op_sylvia #1\cenhd.db
Dataset Pathname: DIL/censtk
Presentation Format: dil2in
Dataset Creation: Mon Dec 31 08:38:51 2012
Charted by: Depth in Feet scaled 1:600

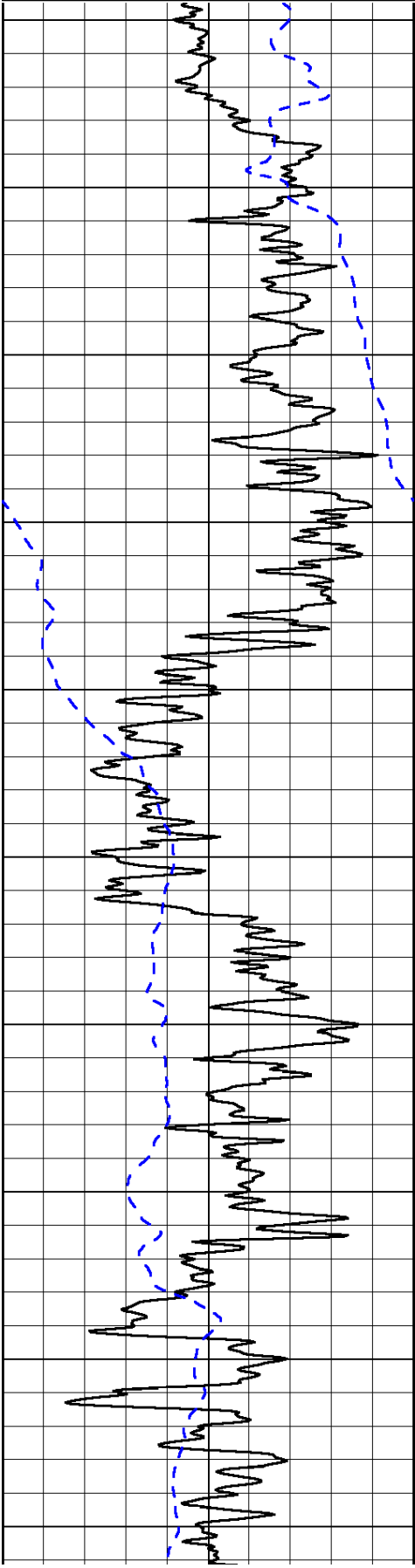
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0

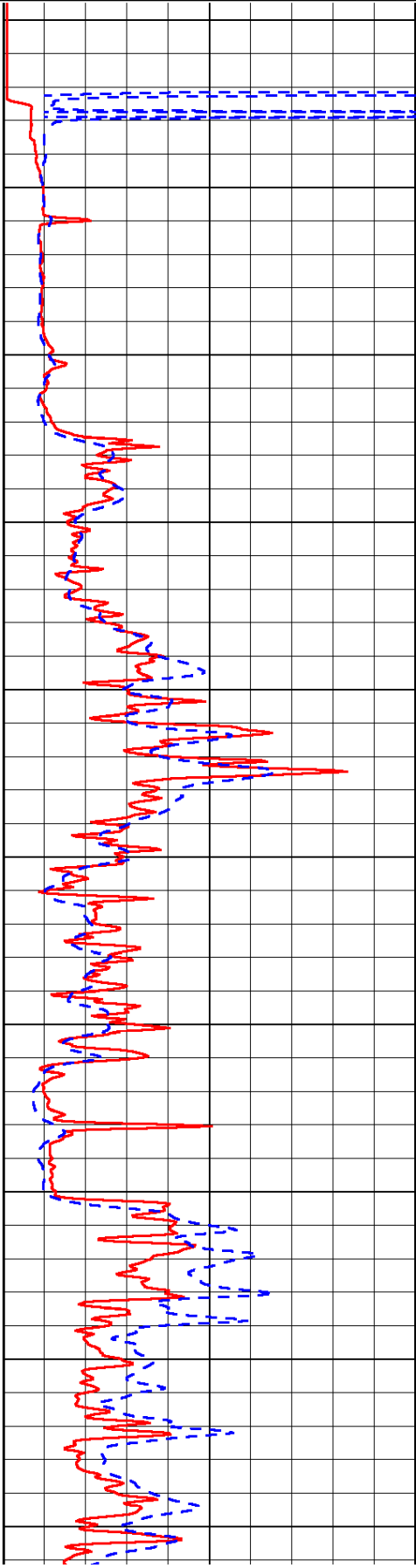
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

50	Shallow Resistivity	500
50	Deep Resistivity	500

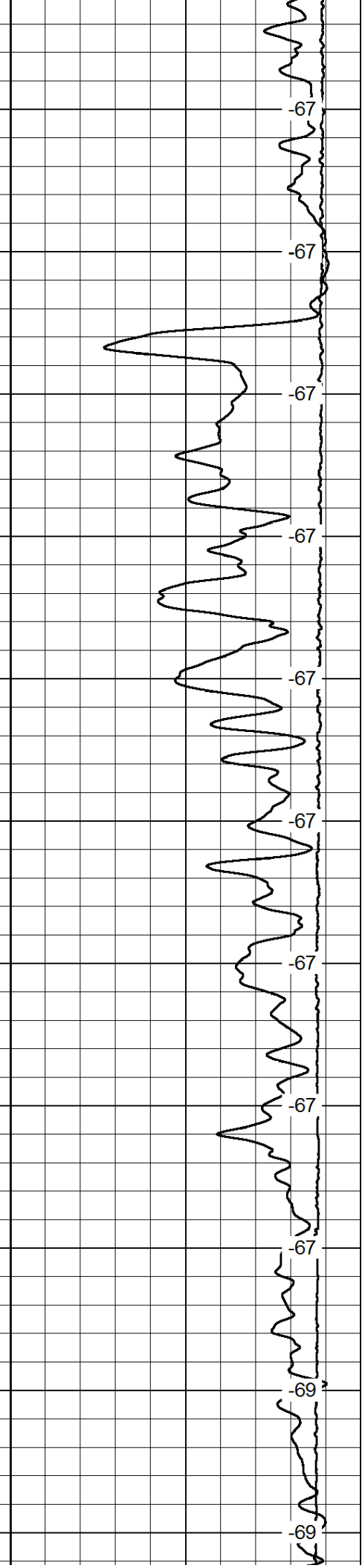
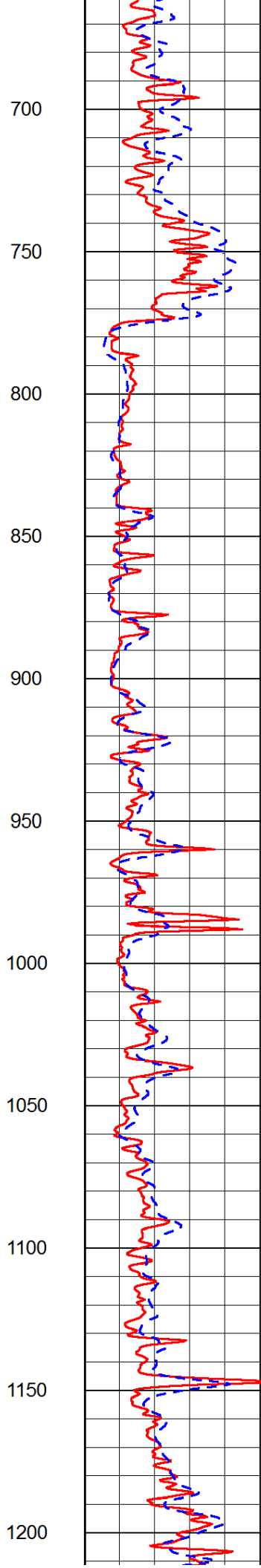
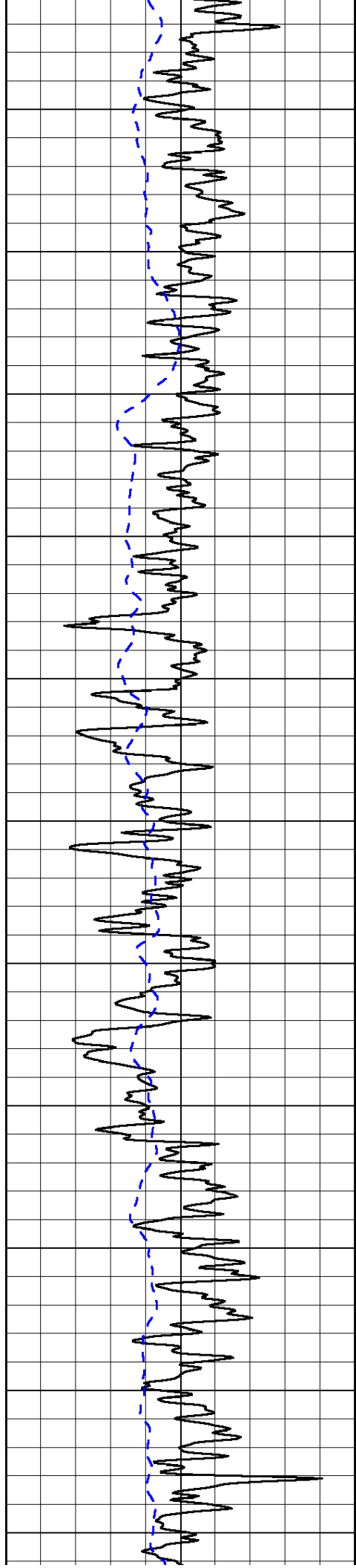
LSPD
0
0

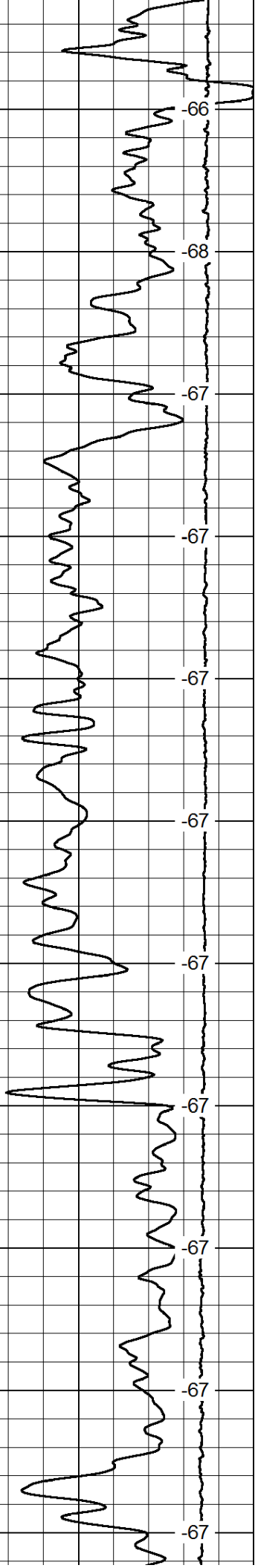
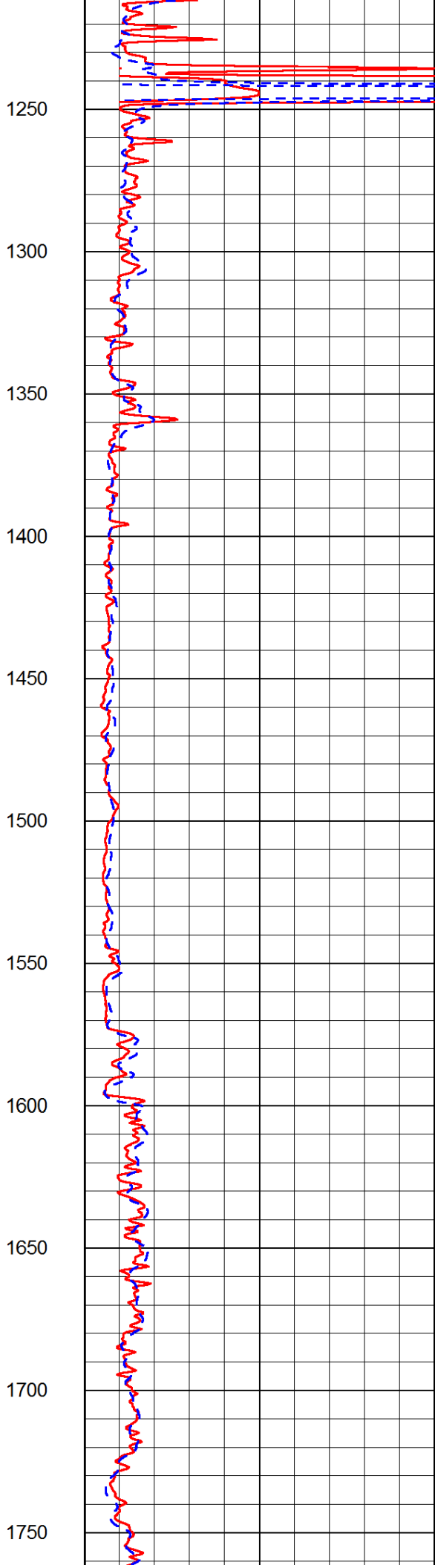
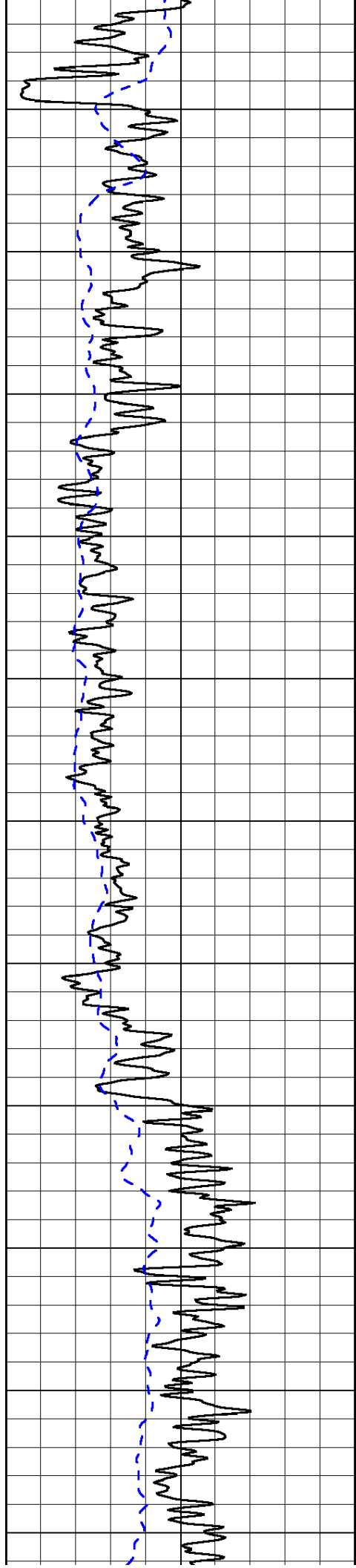


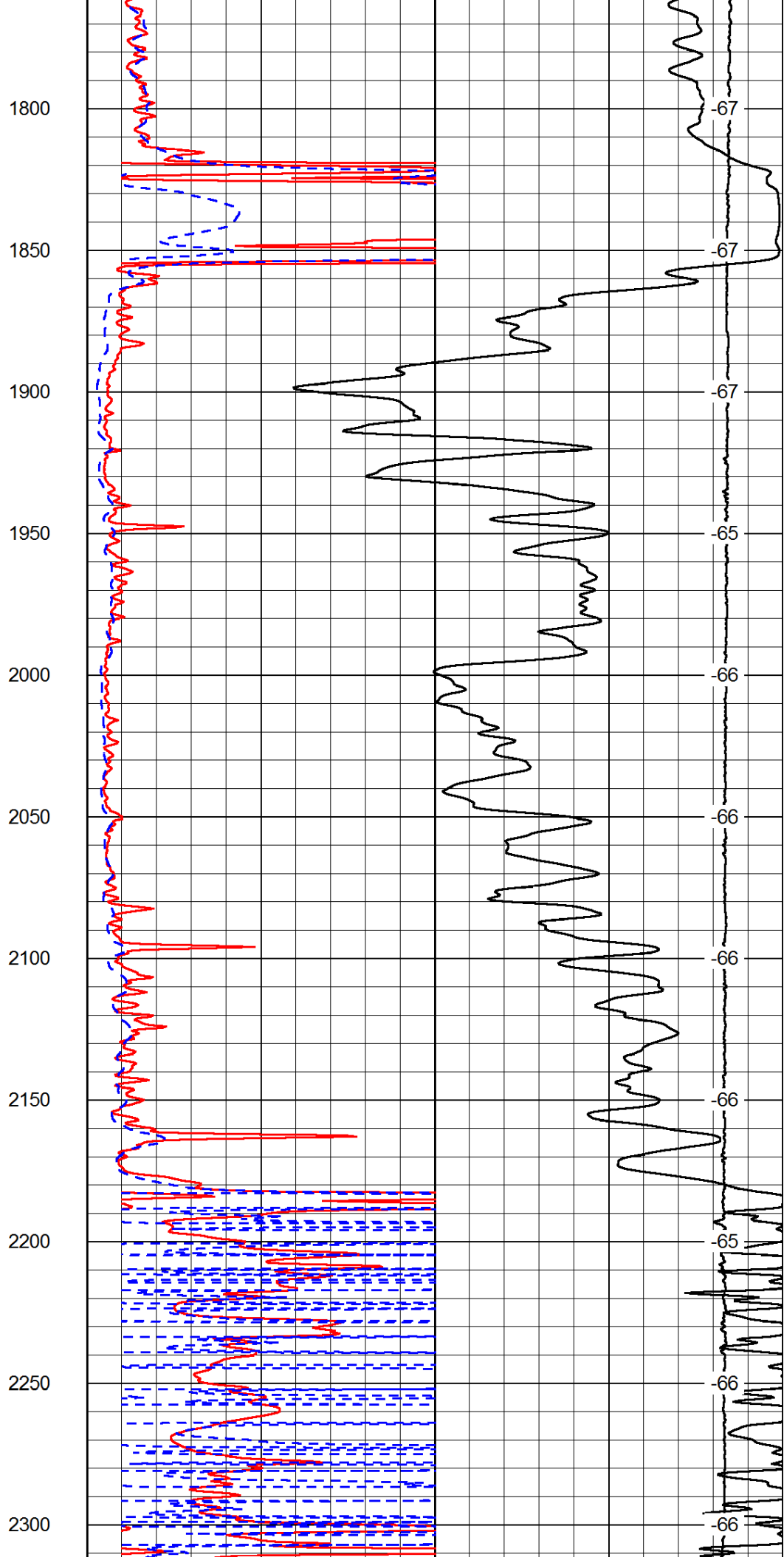
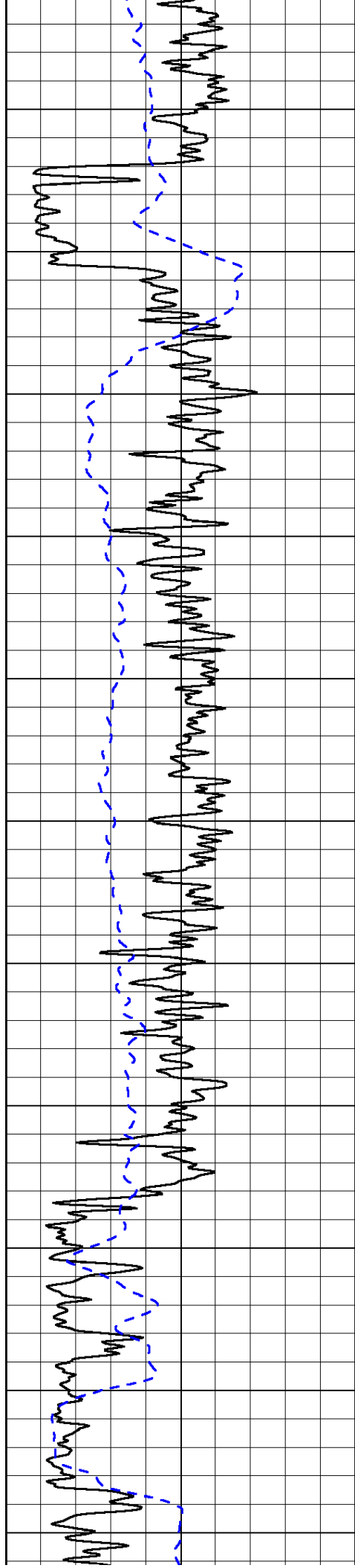
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600
650

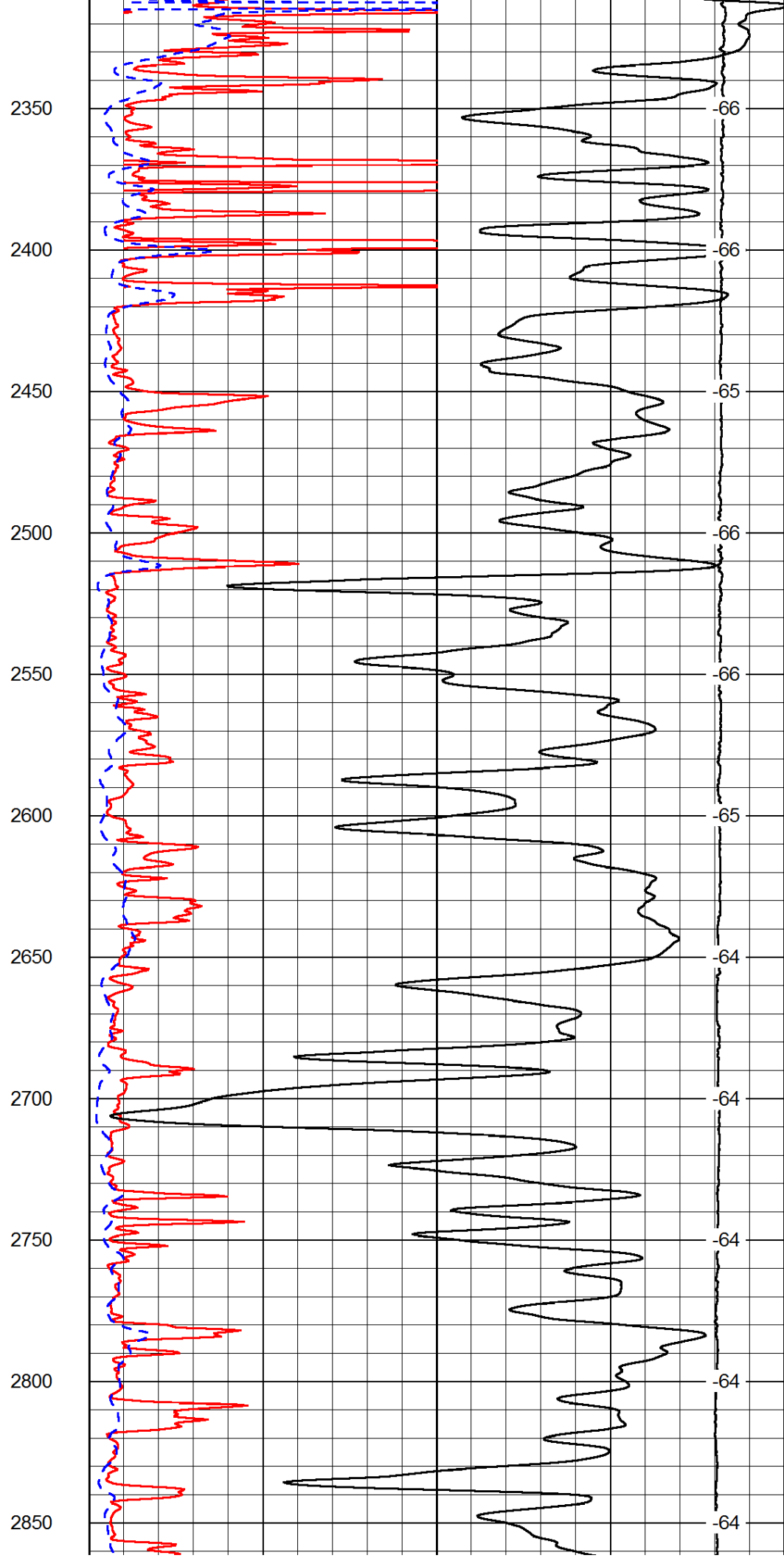
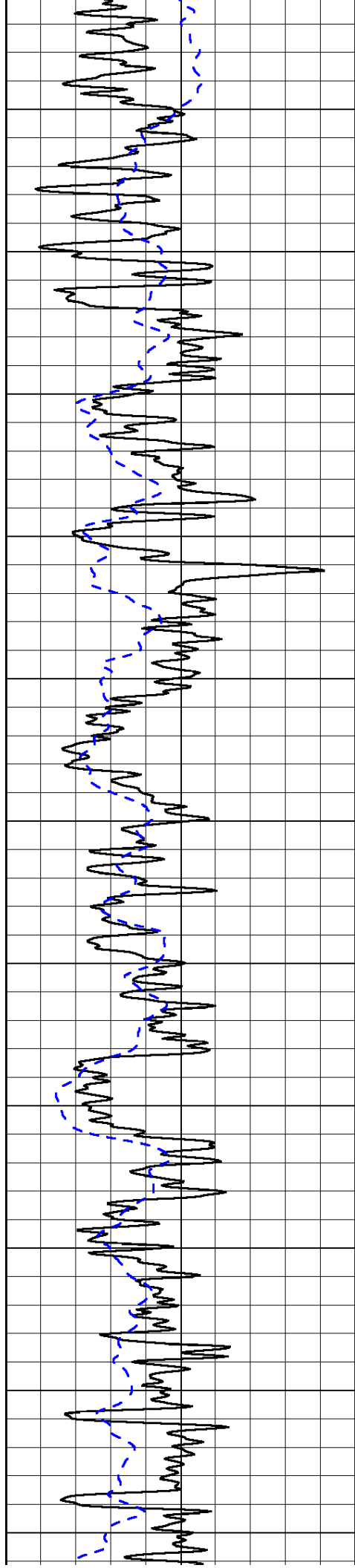


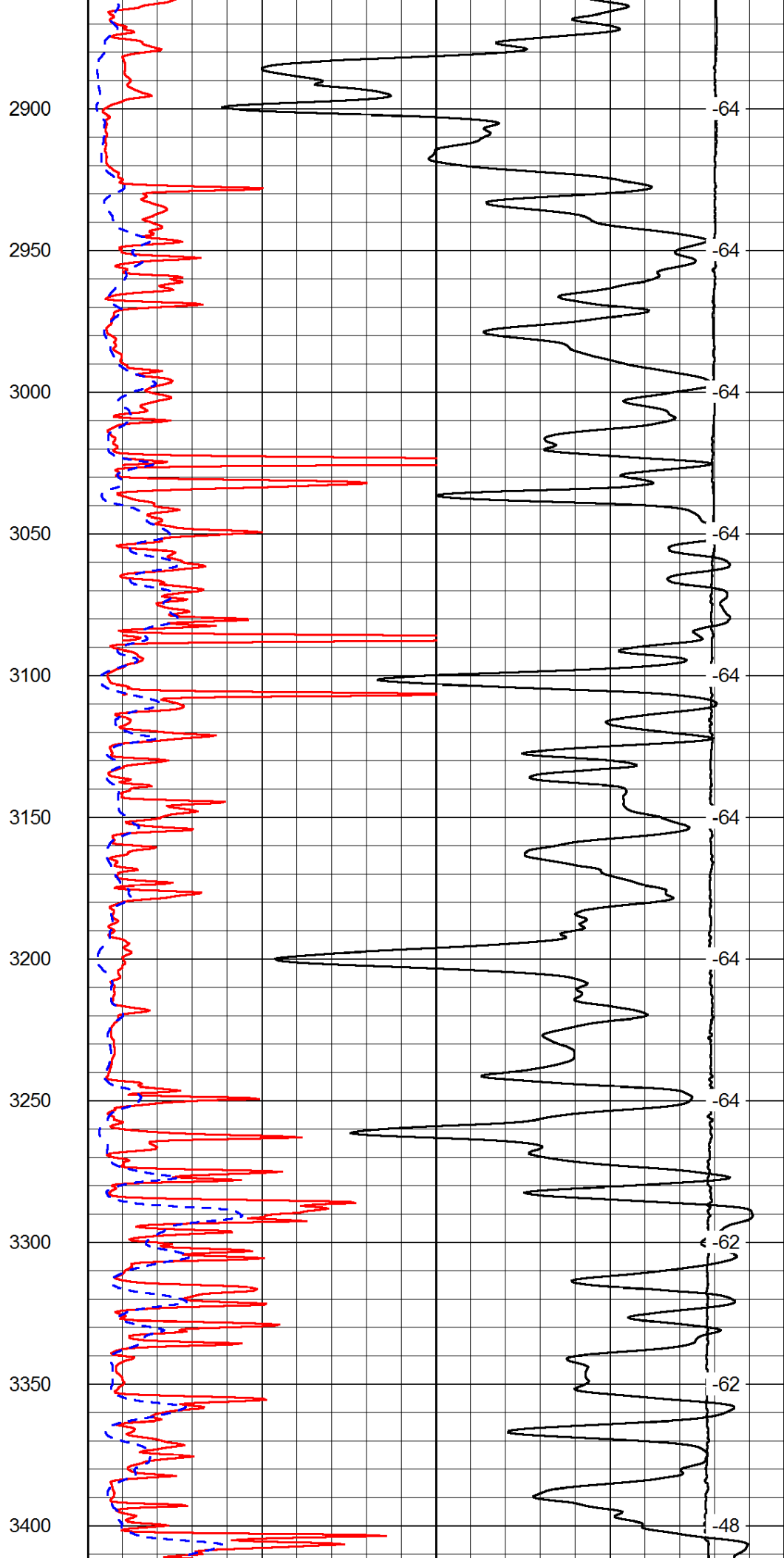
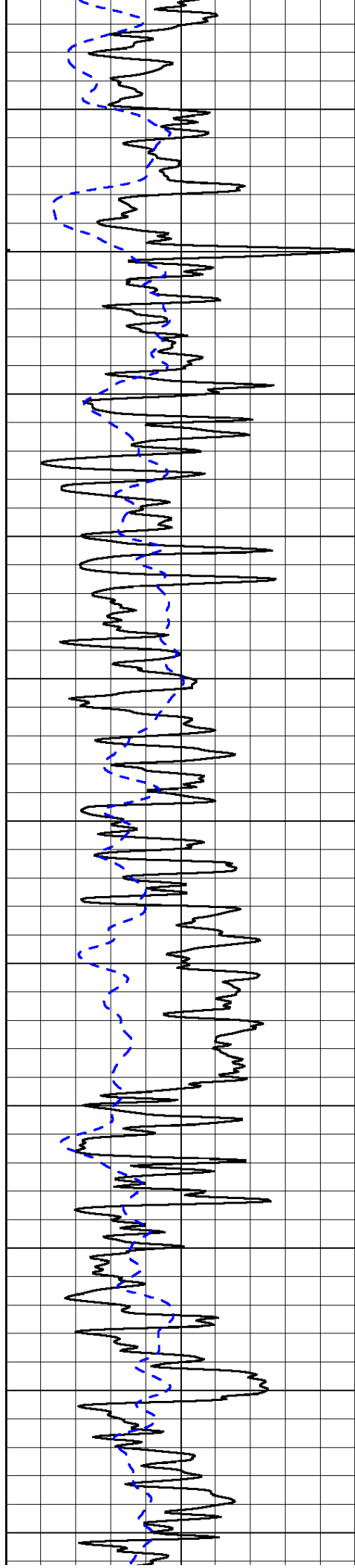
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-67
-67

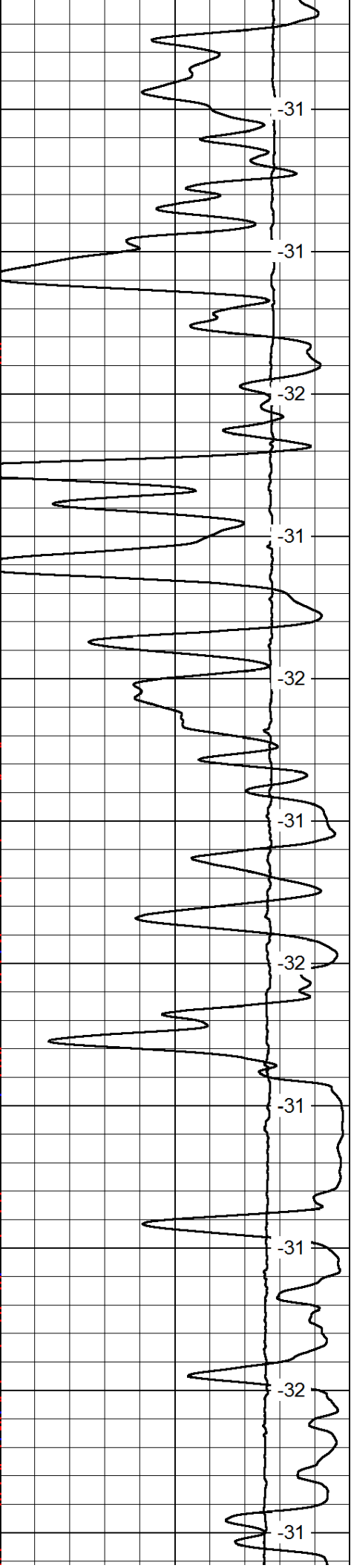
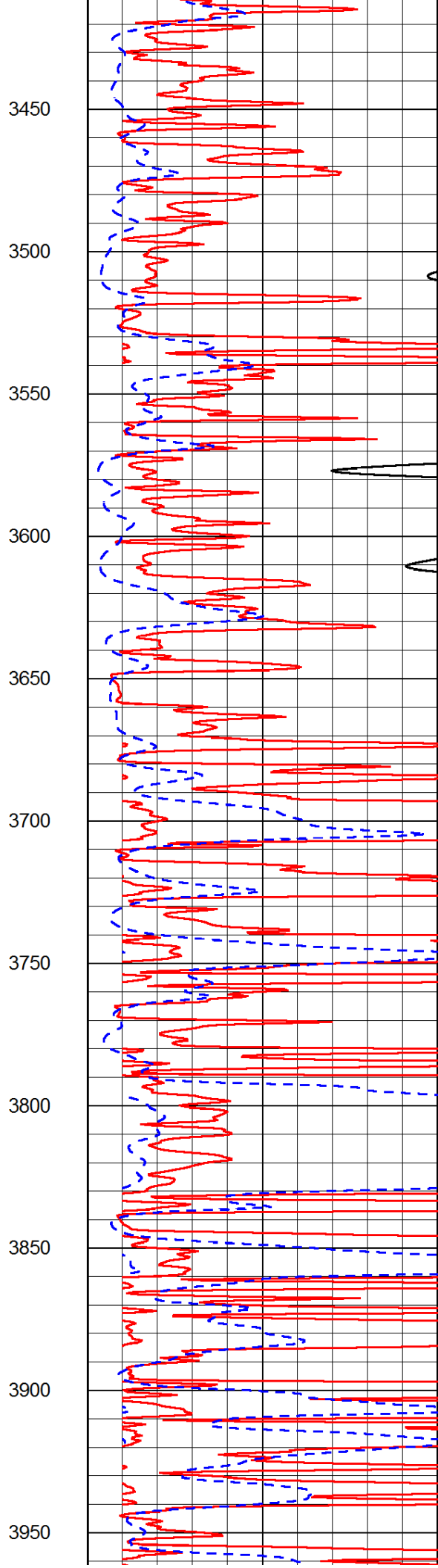
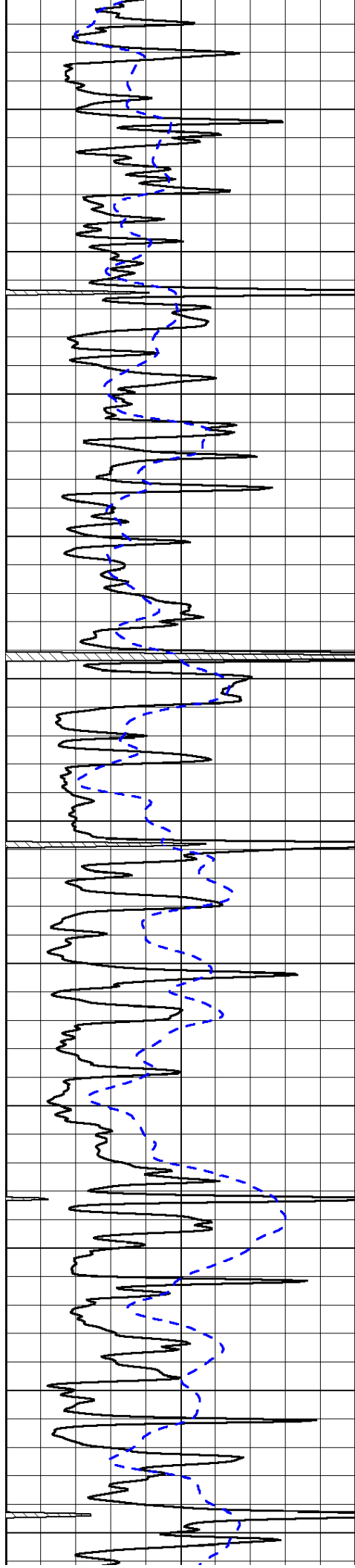


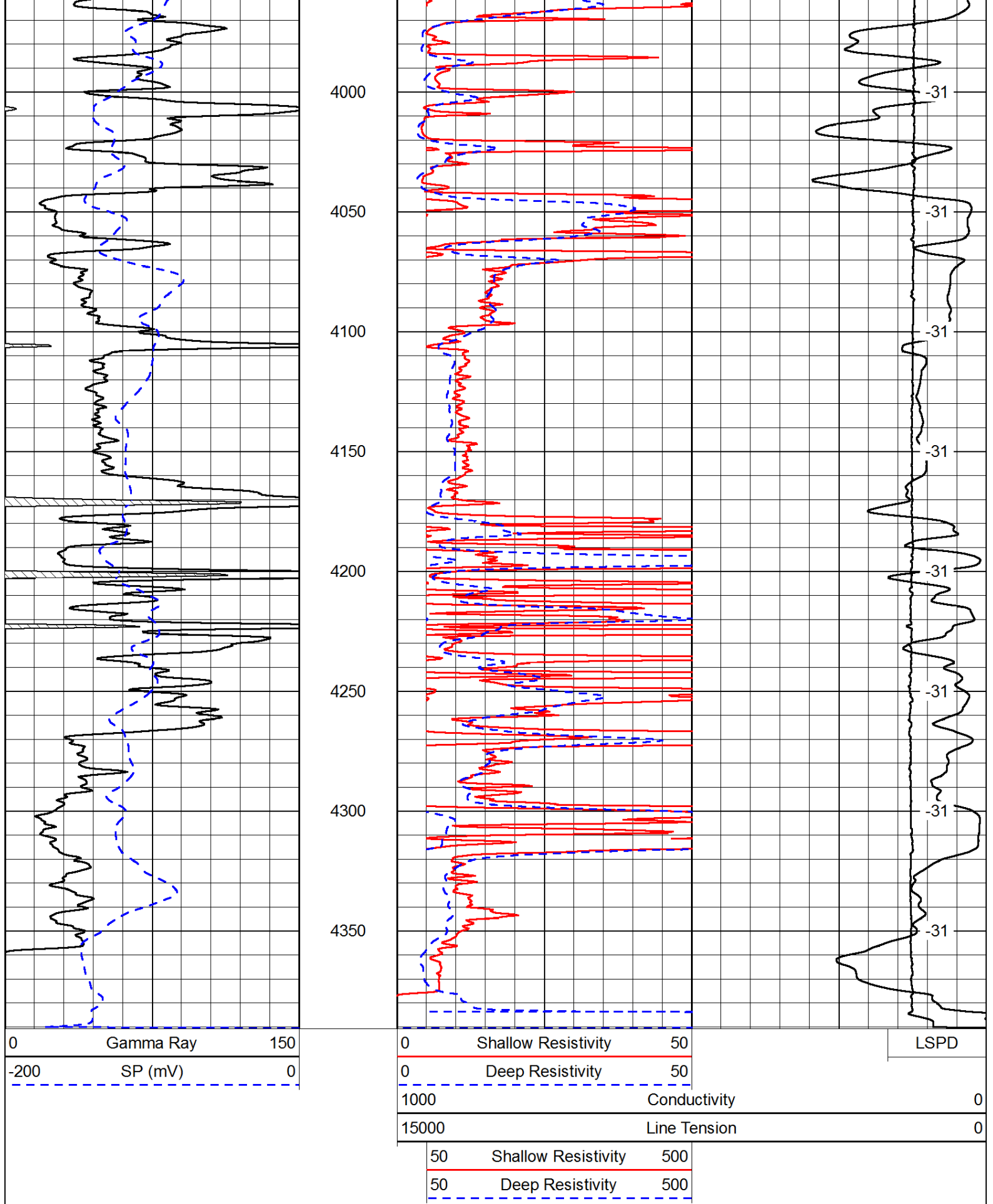








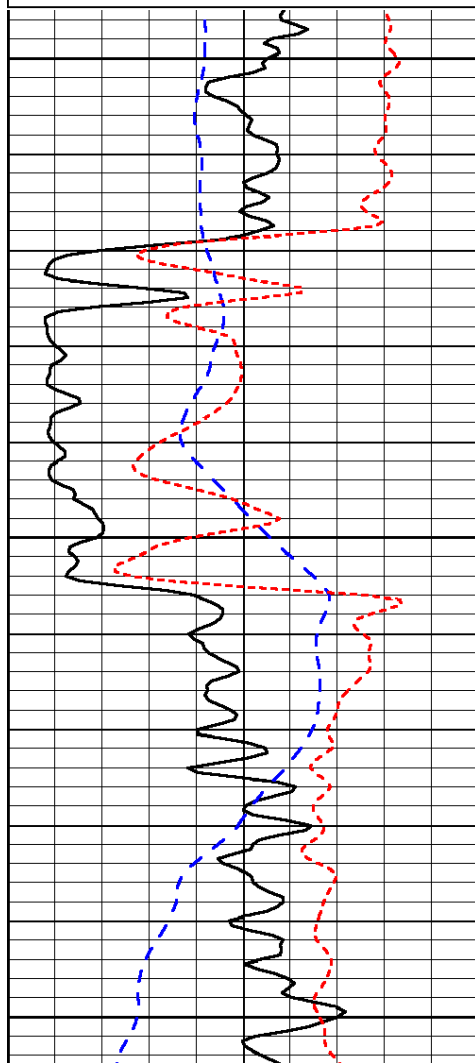




0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

LSPD

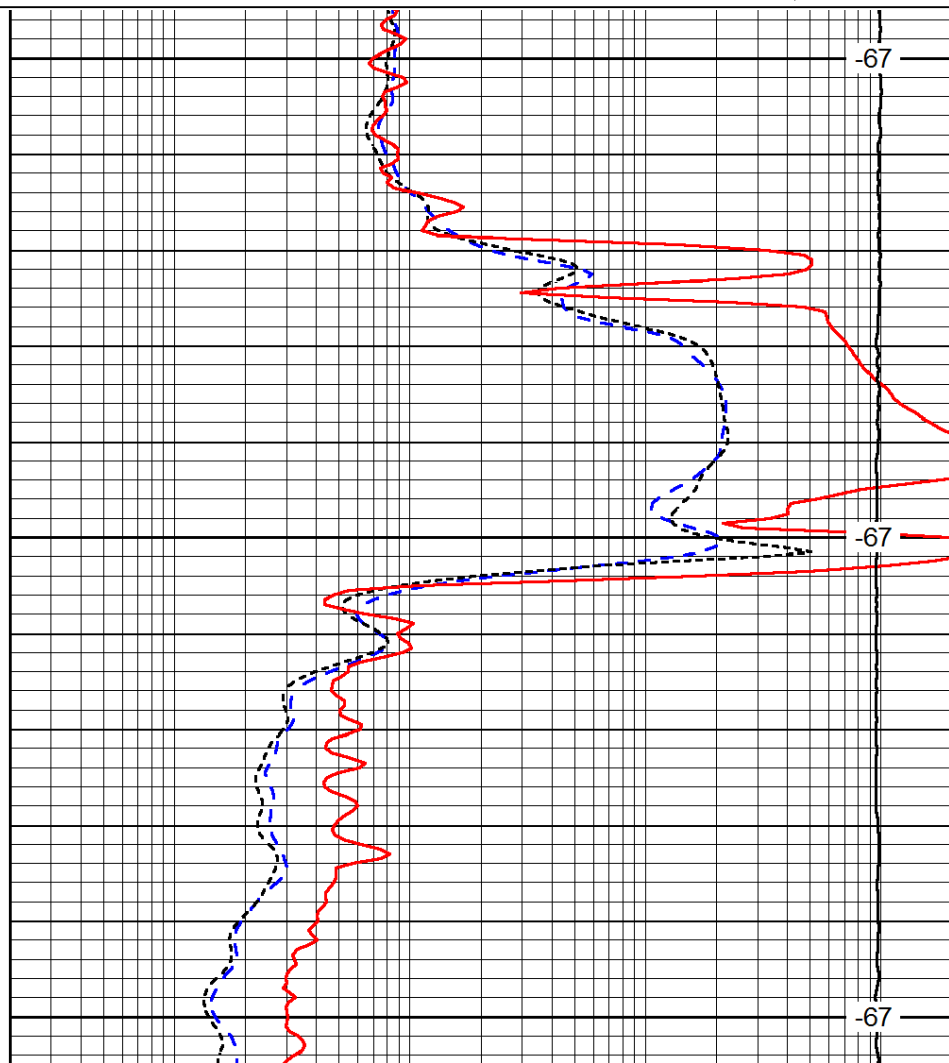


0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

1800

1850

1900



-67

-67

-67

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

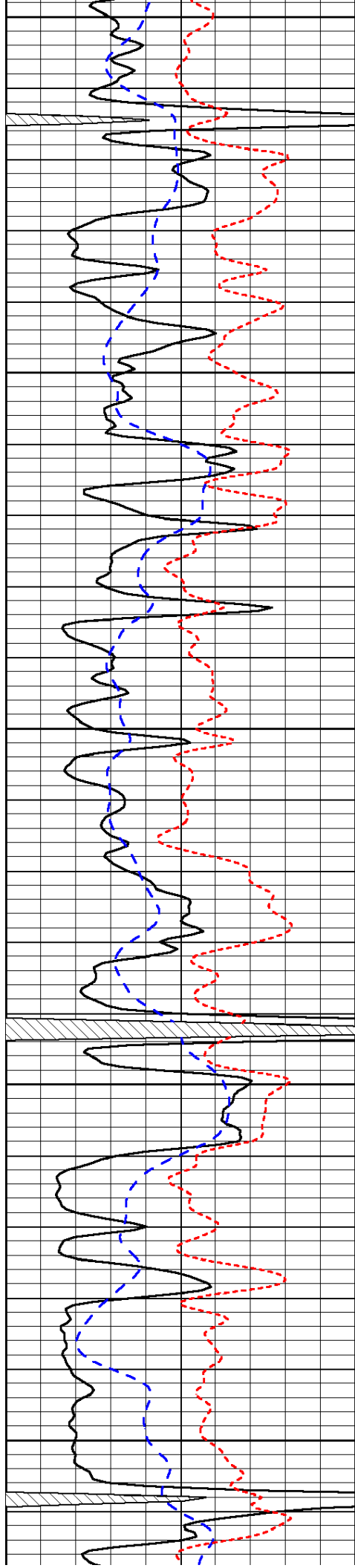
LSPD

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Dataset Pathname: DIL/censtk
Presentation Format: dil
Dataset Creation: Mon Dec 31 08:38:51 2012
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



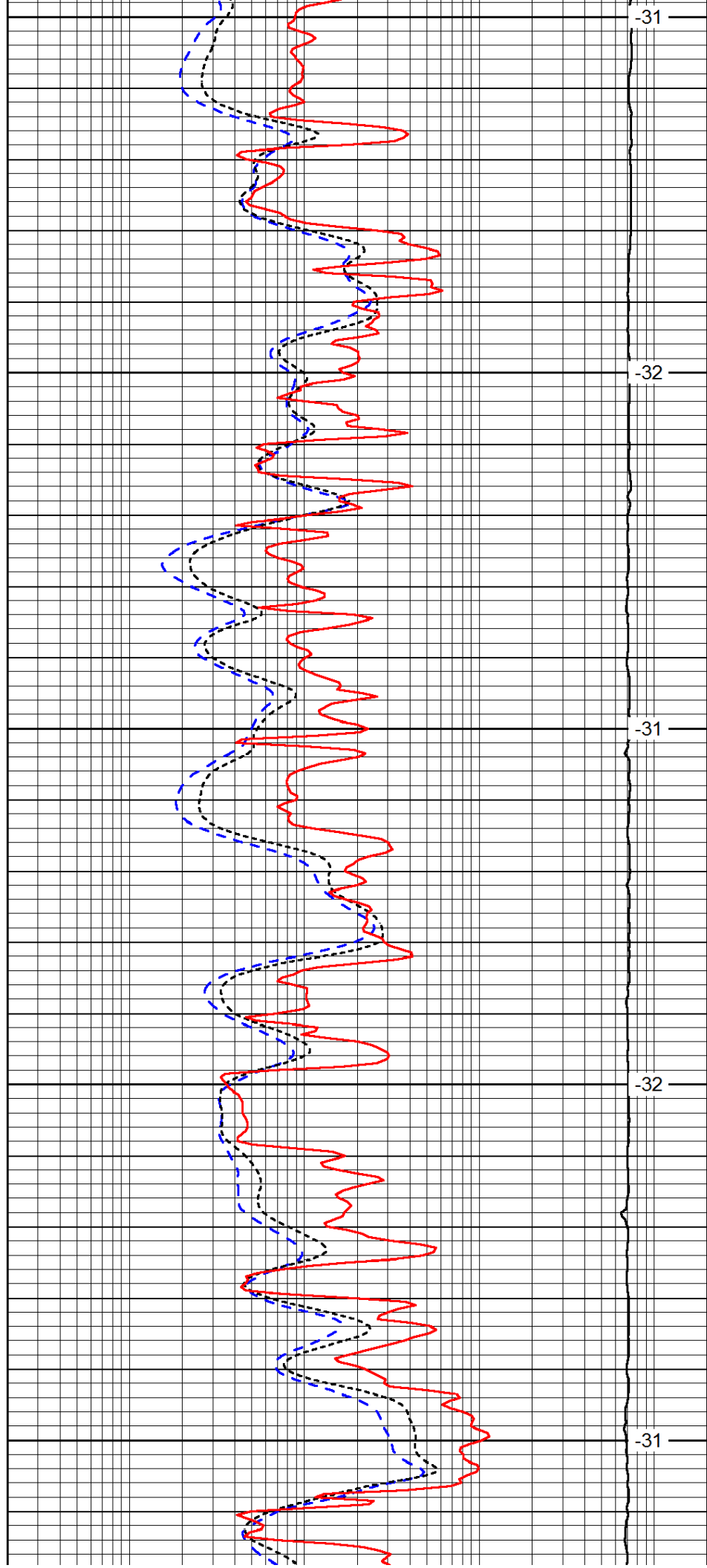
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3550

3600

3650

3700



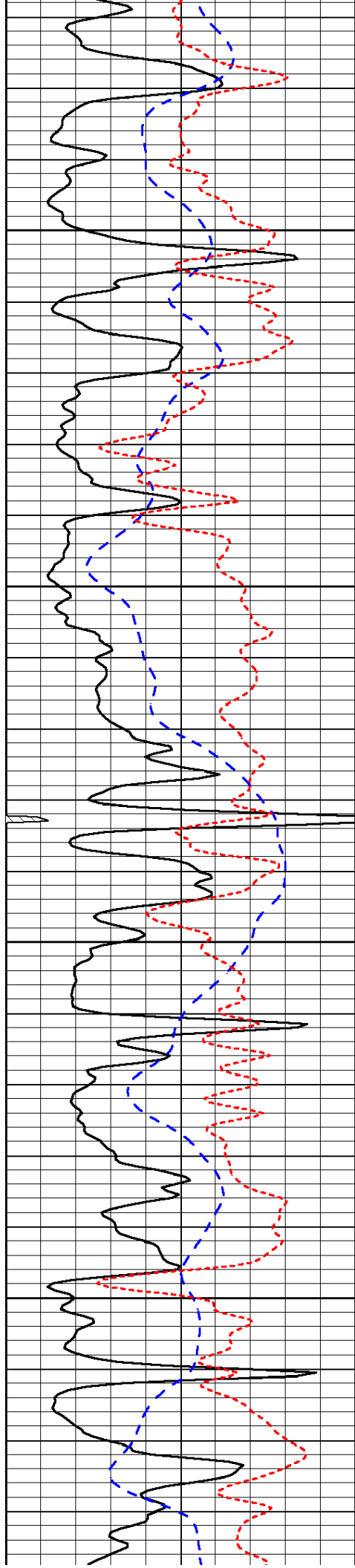
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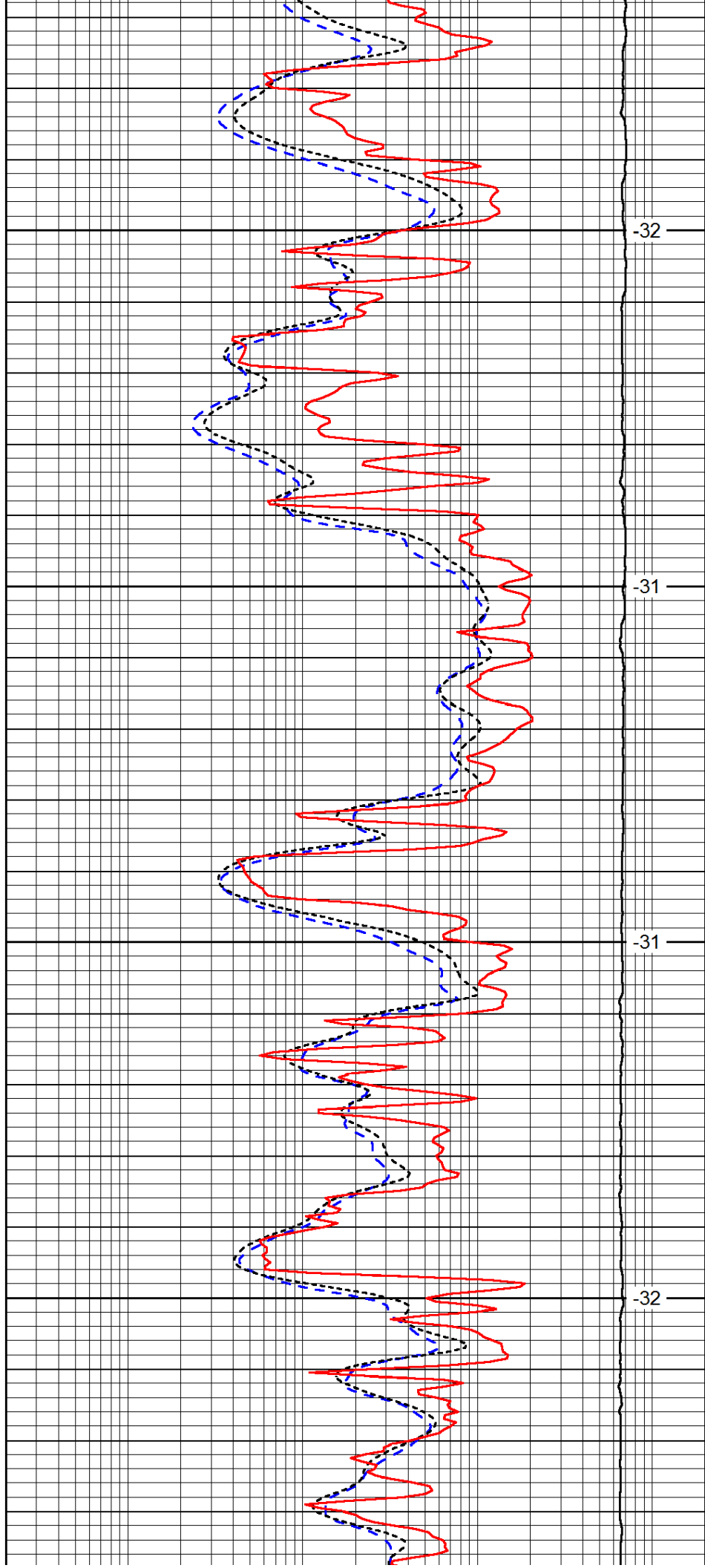


3750

3800

3850

3900

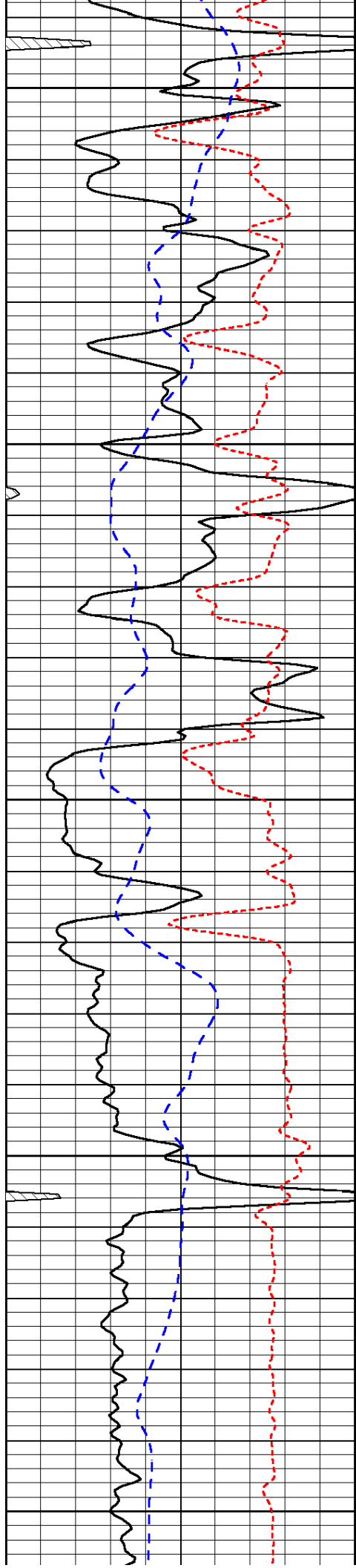


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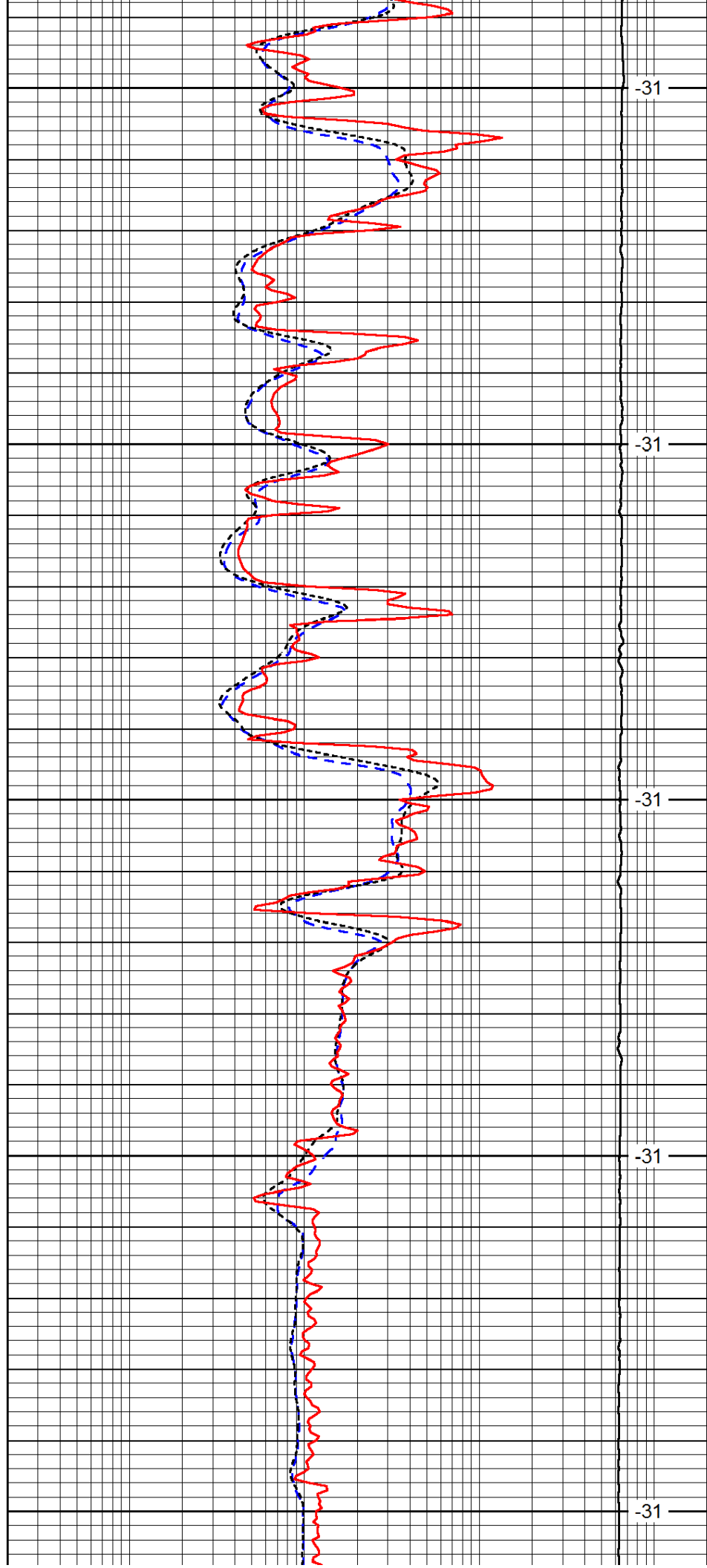
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4000

4050

4100

4150



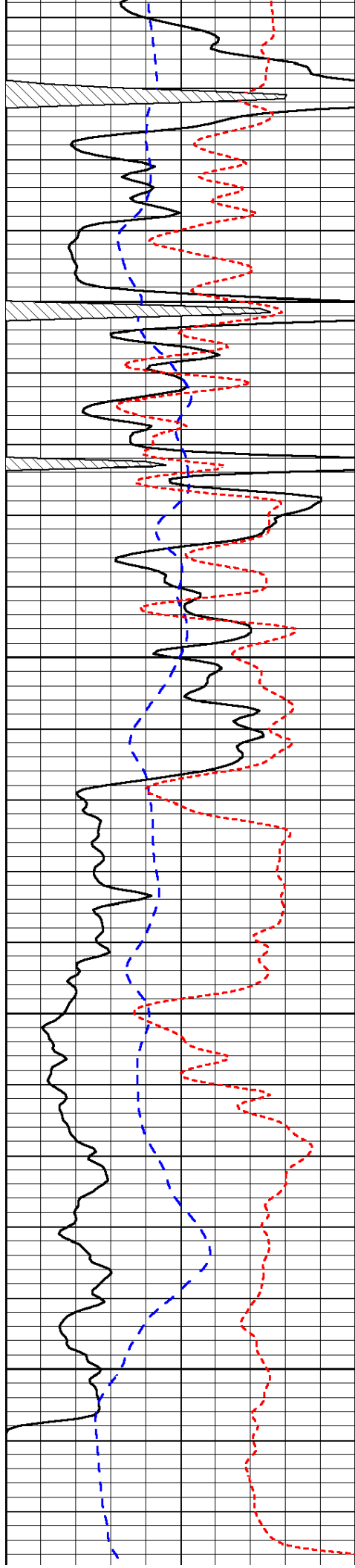
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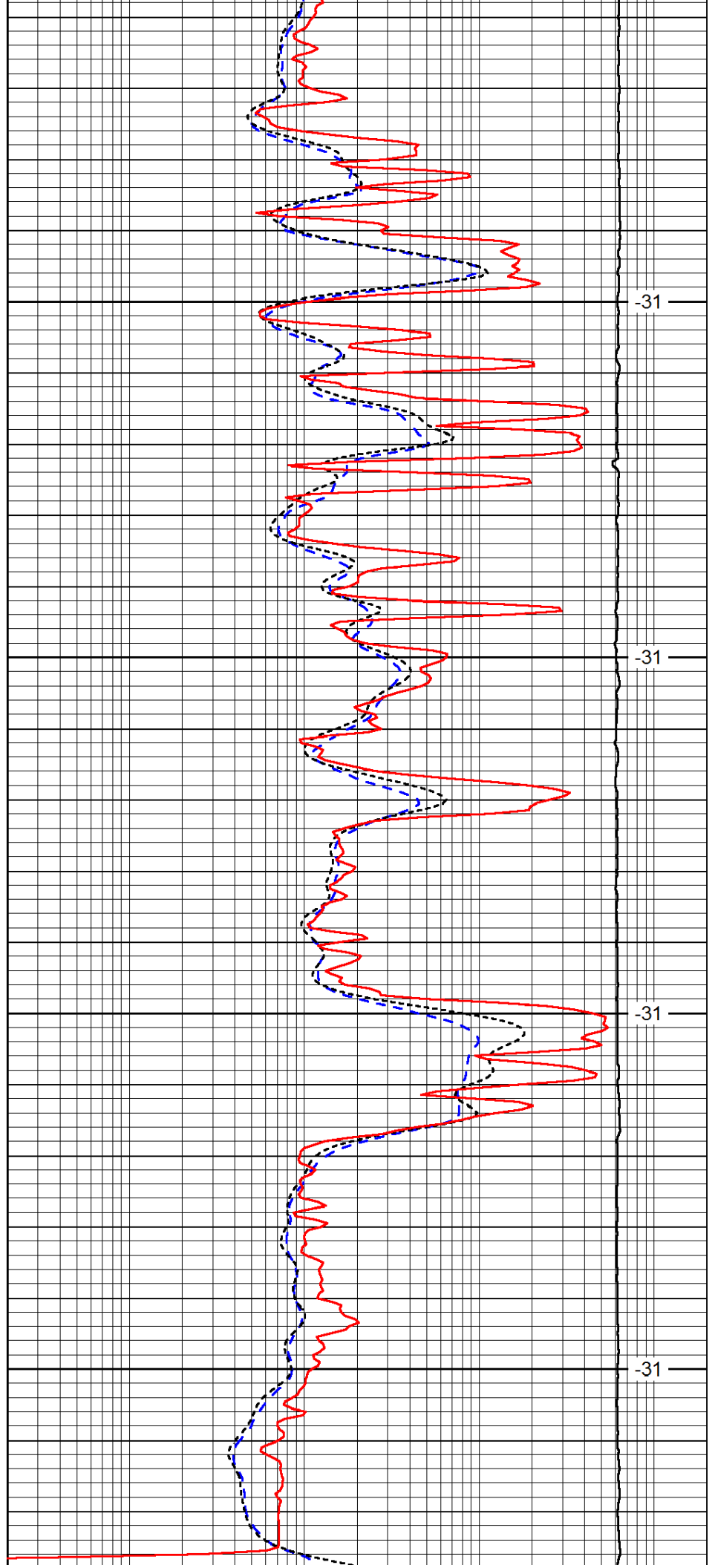


4200

4250

4300

4350

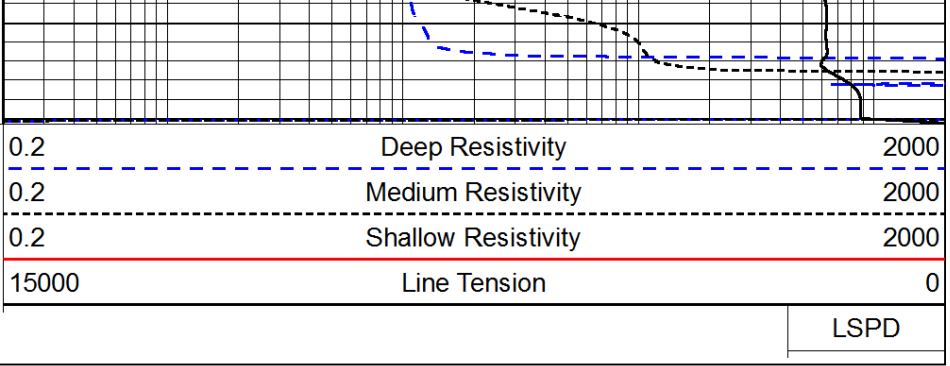
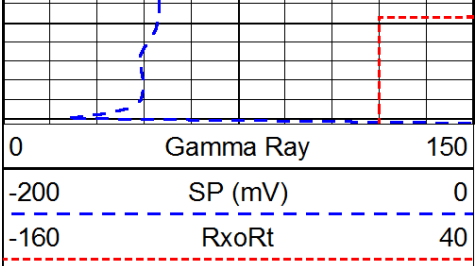


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LSPD