



Dual Induction Log

Pioneer Energy Services

API No.	15-199-20,416-00-00		
Company	Cholla Production, LLC		
Well	Blaesi #3-3		
Field	Ladder Creek Northwest		
County	Wallace	State	Kansas
Location	NE NE NE 330' FNL & 330' FEL		
Sec: 3	Twp: 15S	Rge: 41W	Other Services CNL/CDL MEL
Permanent Datum	Ground Level	Elevation 3777	Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 3782 D.F. G.L. 3777
Drilling Measured From	From Kelly Bushing		
Date	9/4/2014		
Run Number	One		
Depth Driller	5150		
Depth Logger	5150		
Bottom Logged Interval	5149		
Top Log Interval	350		
Casing Driller	8.625 @ 389		
Casing Logger	387		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	4000		
Density / Viscosity	9.3 48		
pH / Fluid Loss	9.0 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.41 @ 80		
Rmf @ Meas. Temp	0.31 @ 80		
Rmc @ Meas. Temp	0.55 @ 80		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.26 @ 128		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	128		
Equipment Number	15		
Location	Hays		
Recorded By	D. Kerr		
Witnessed By	Randy Say		

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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

Sharon Springs KS, 7 South to Gooseberry RD,
6 West, South and West Into

Database File: c:\warrior\data\cholla_blaesi #3-3\cholla_blaesi_1_3hd.db
Dataset Pathname: DIL\cholstk
Presentation Format: dil2in
Dataset Creation: Thu Sep 04 06:01:02 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0

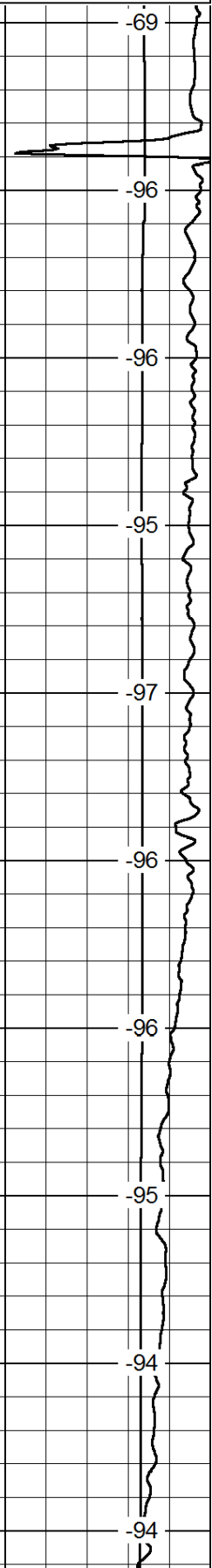
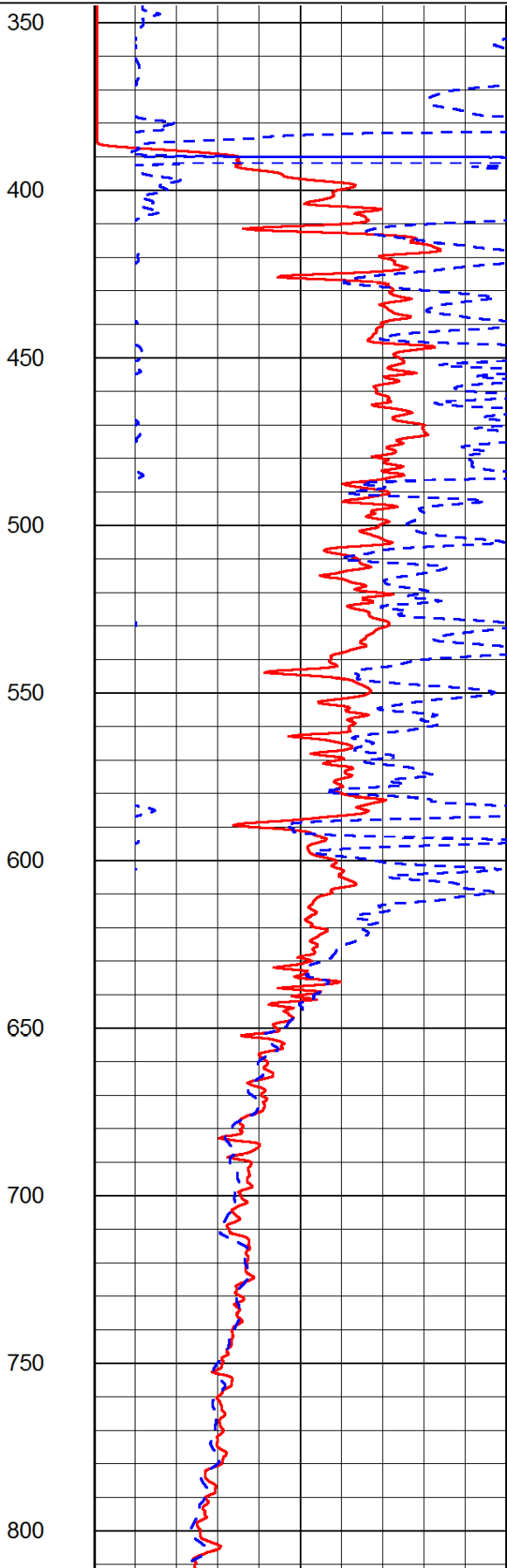
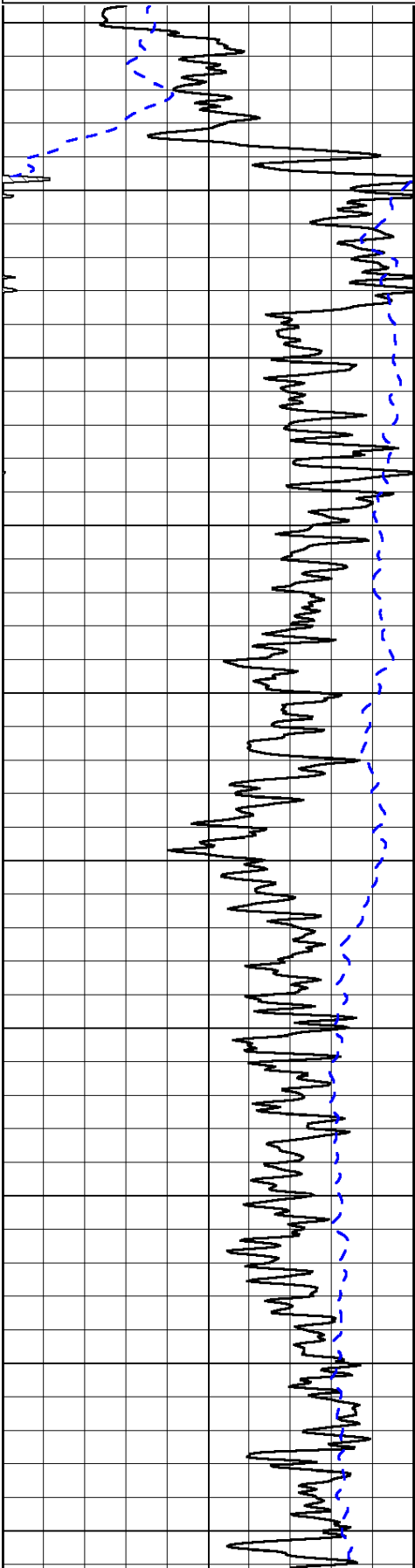
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0	Deep Resistivity	50

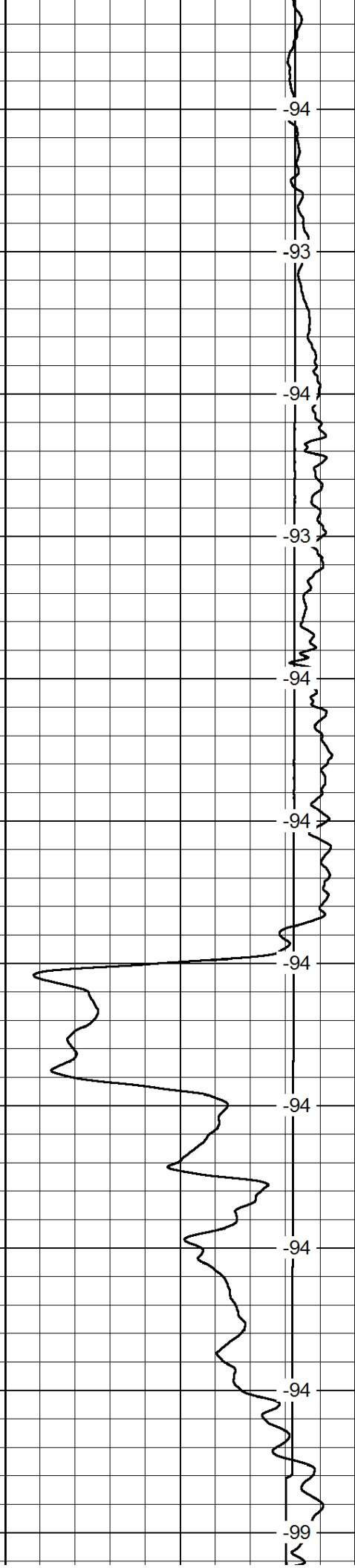
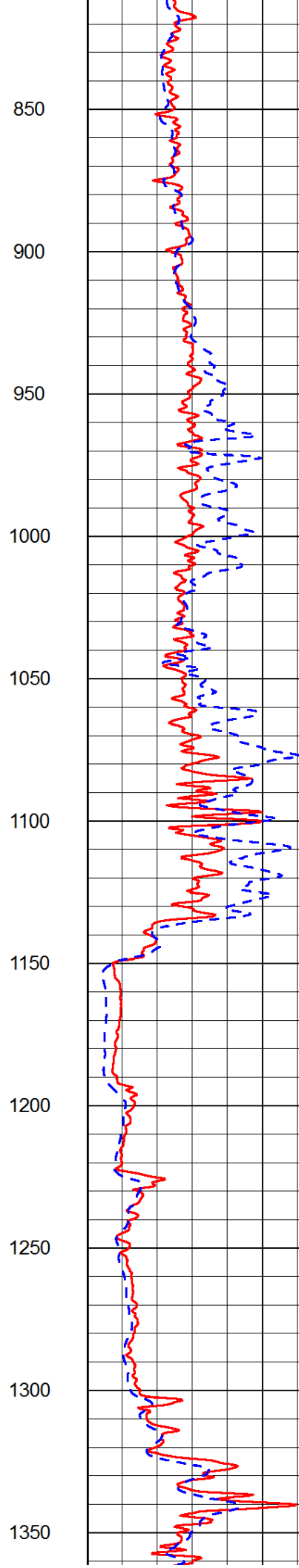
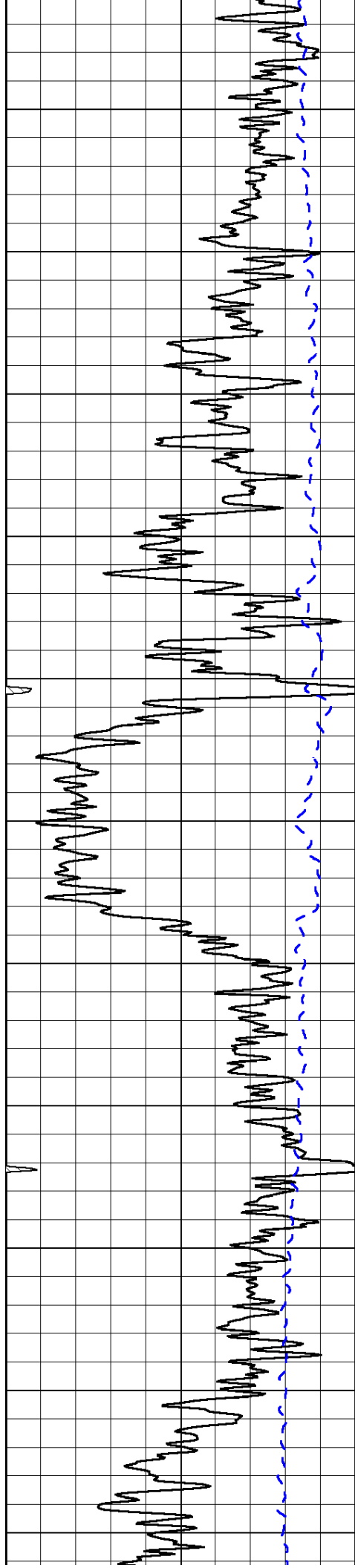
LSPD

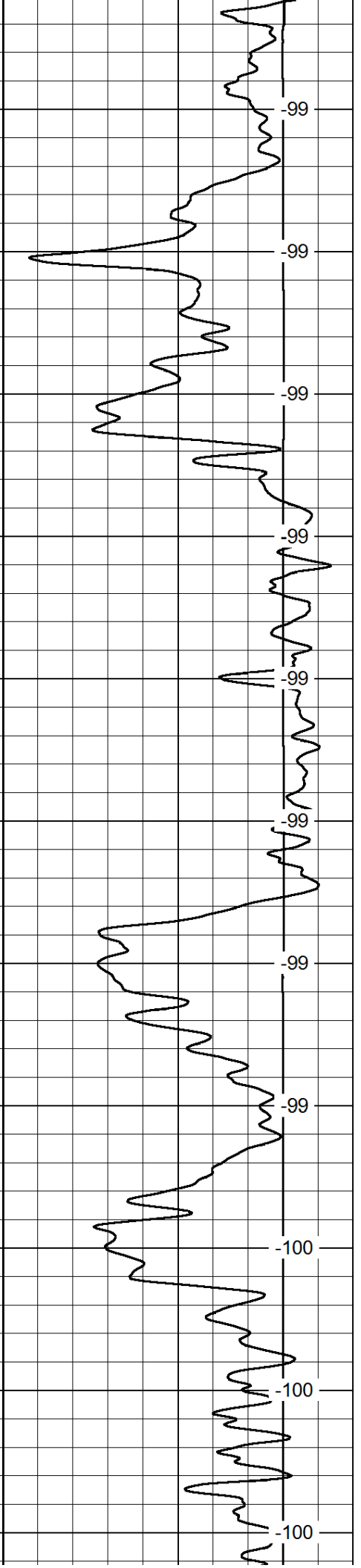
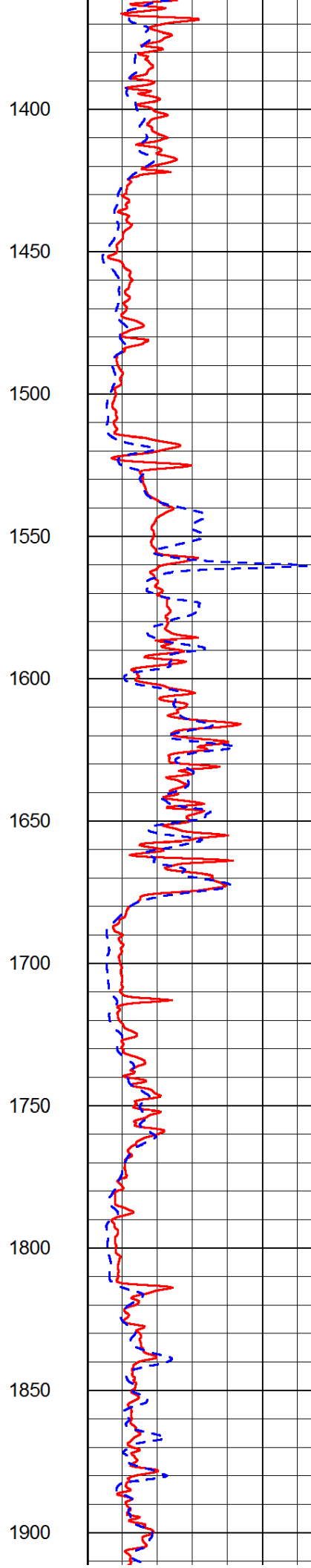
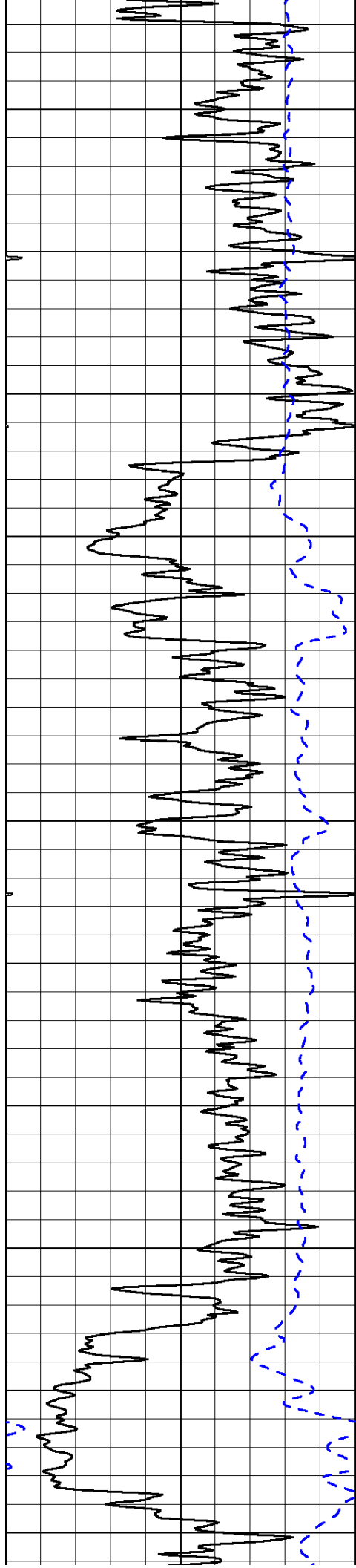
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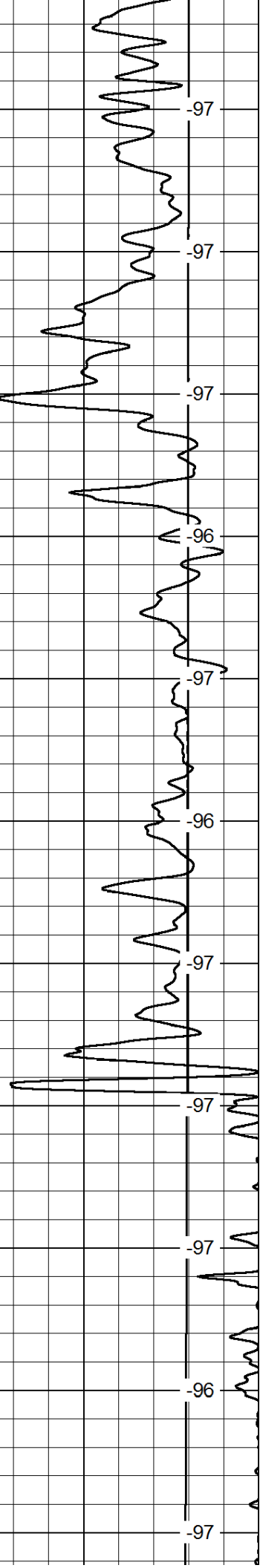
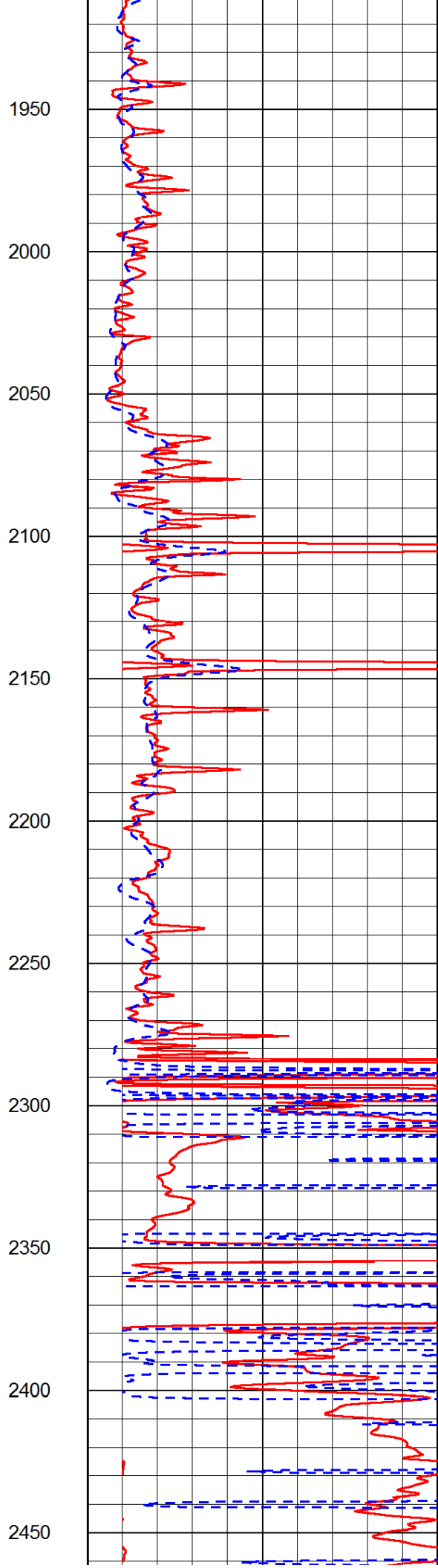
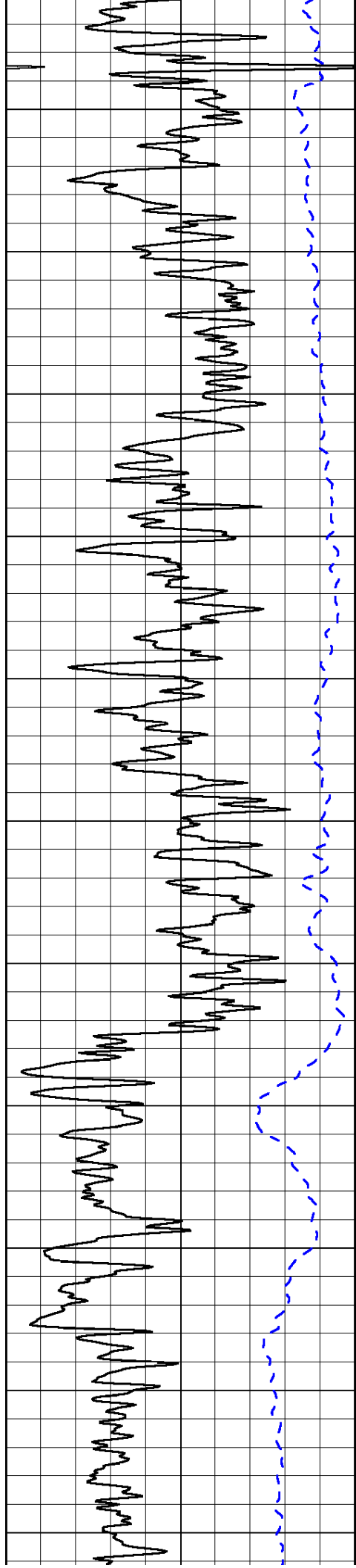
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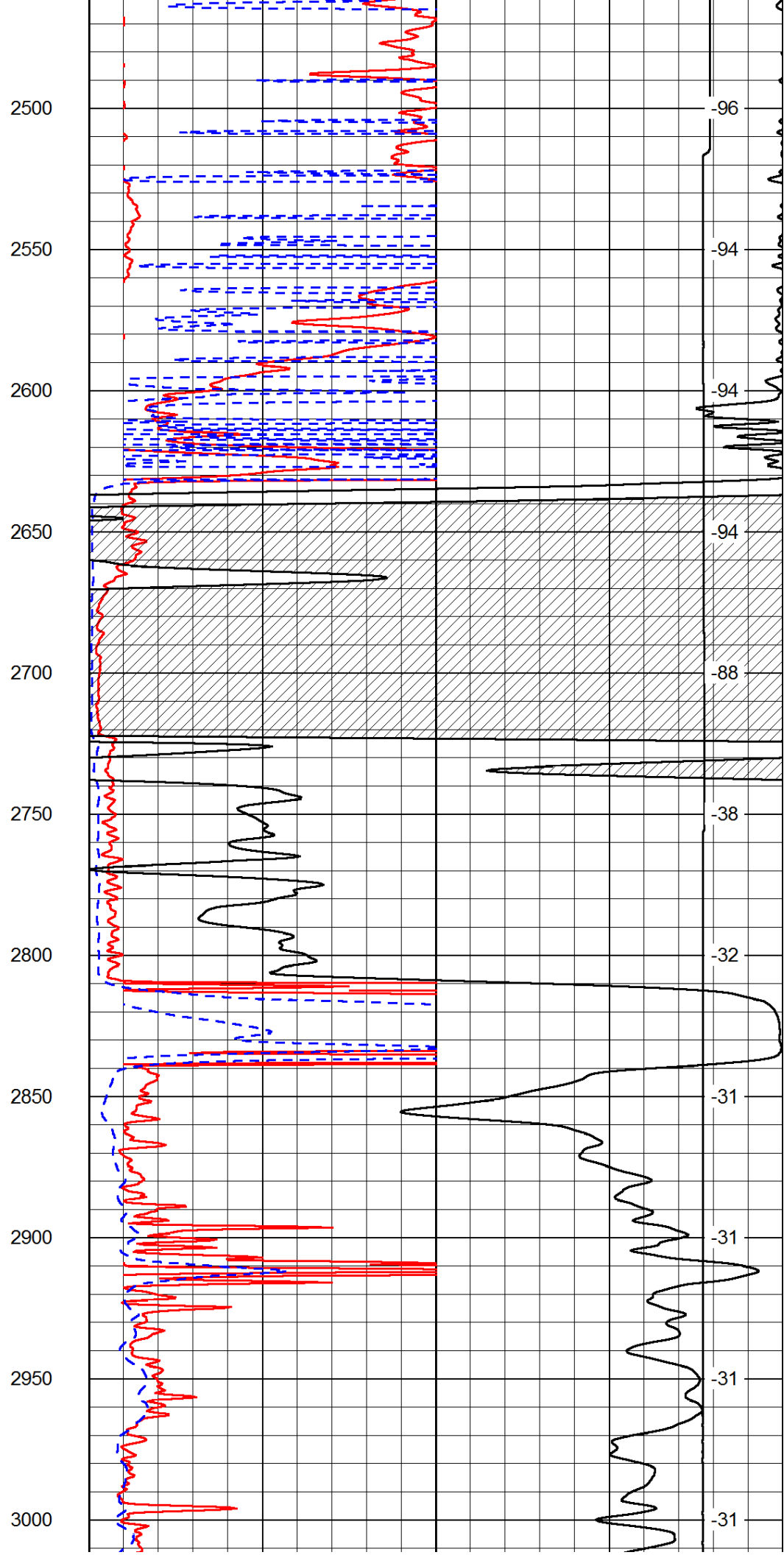
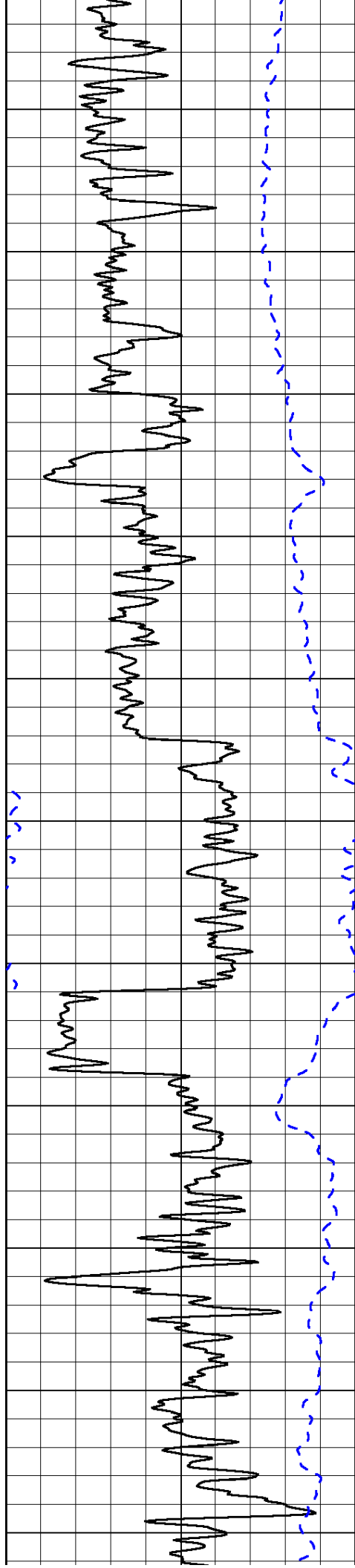
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50	Deep Resistivity	500

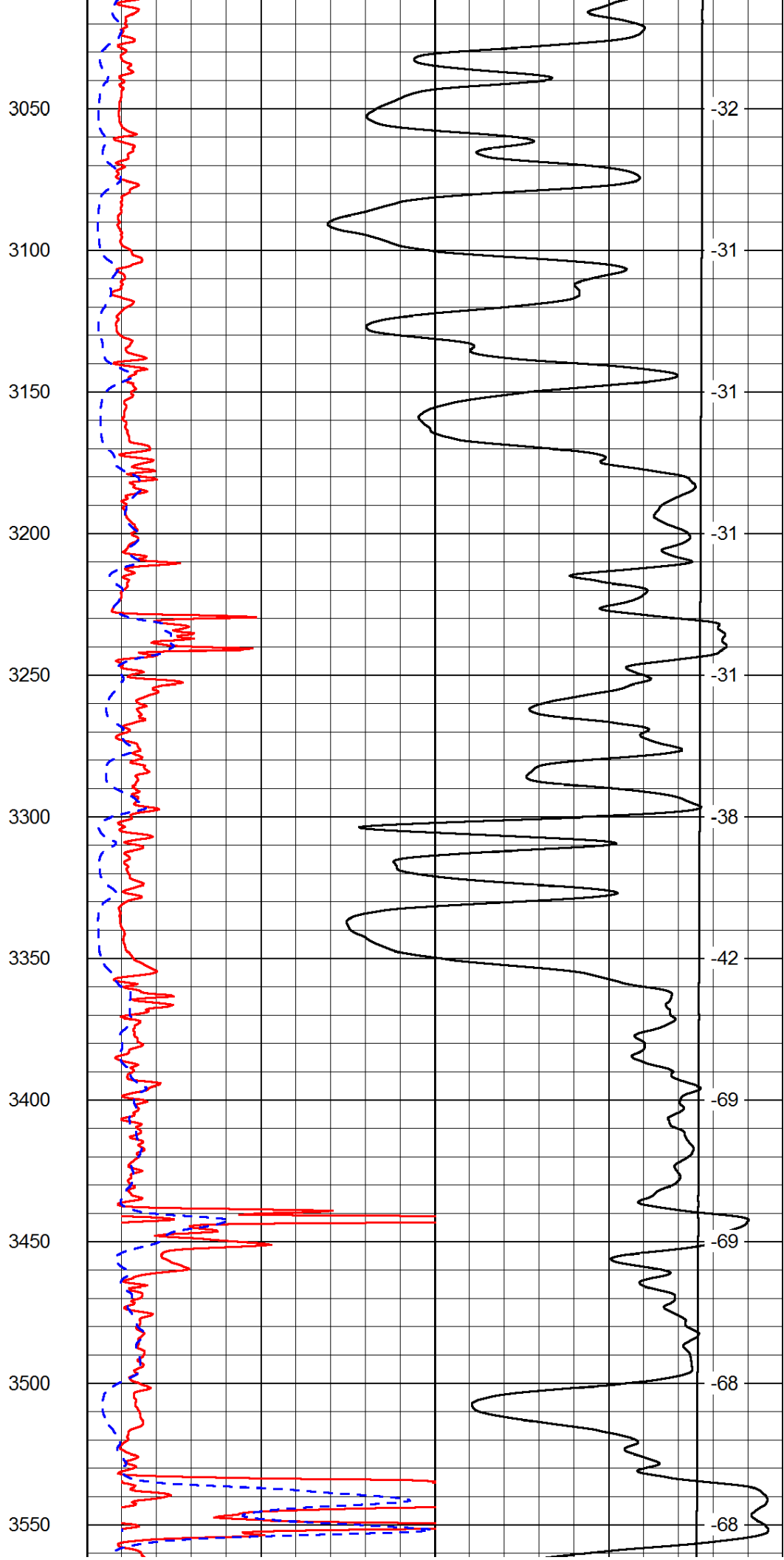
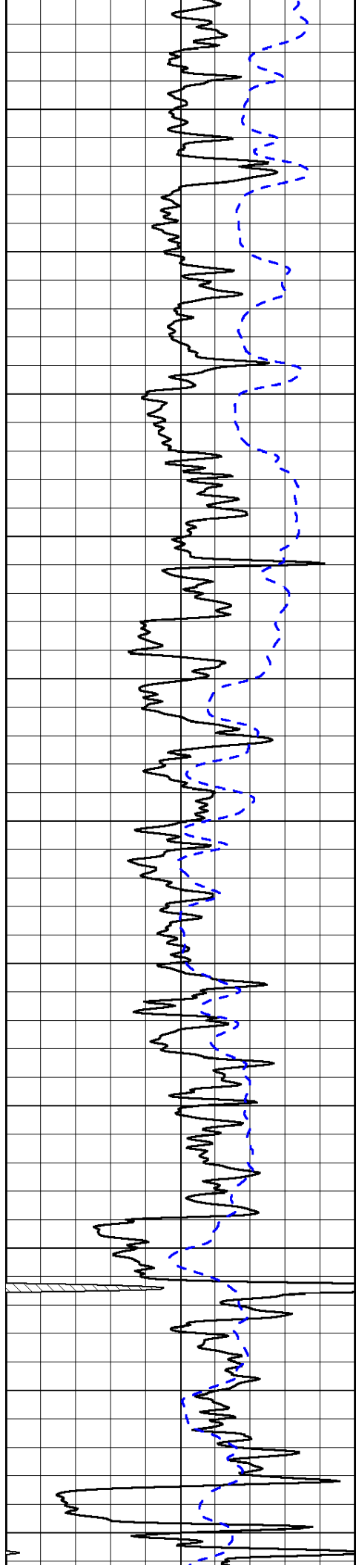


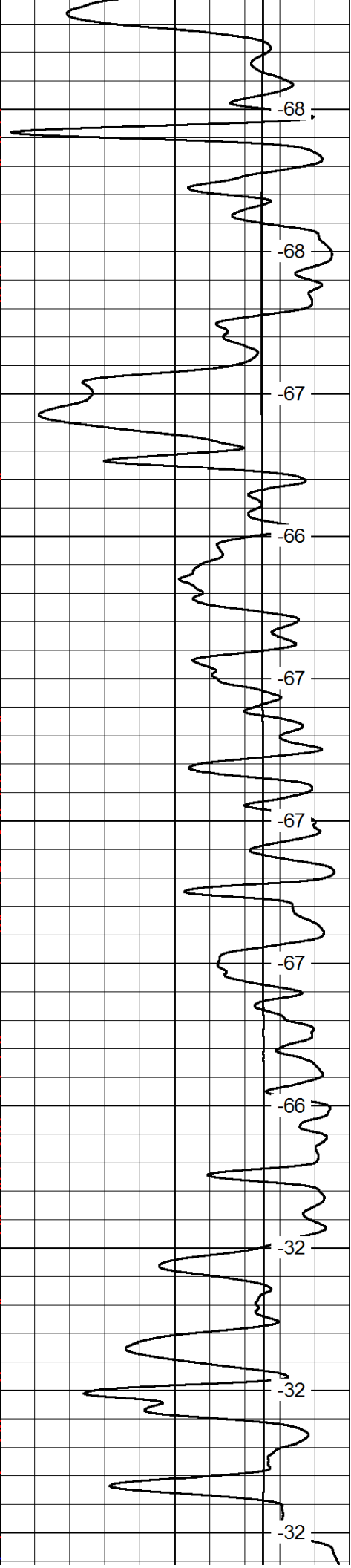
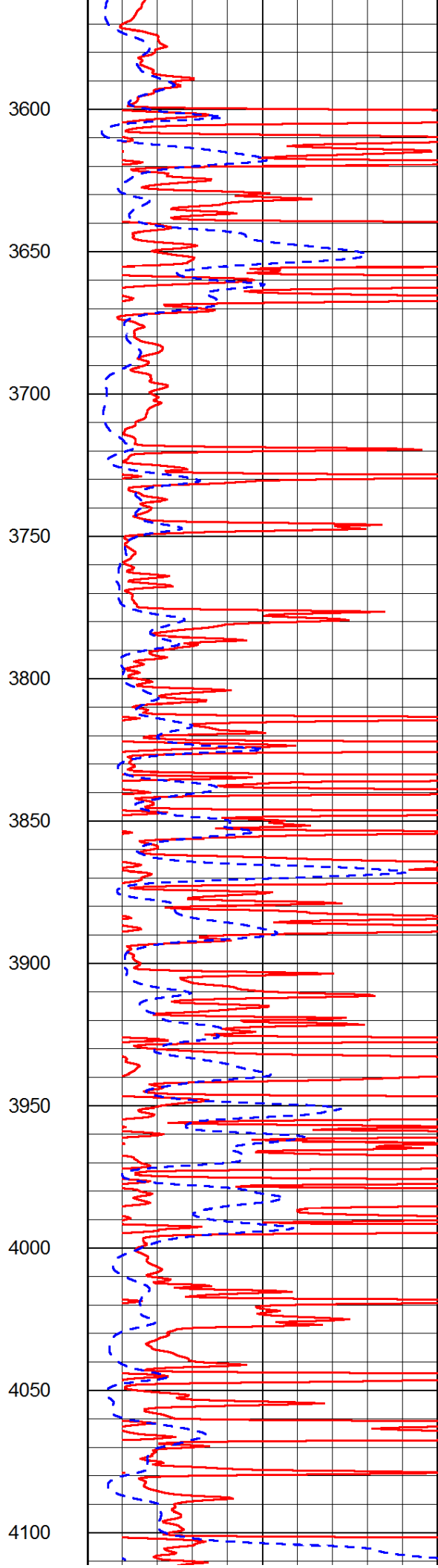
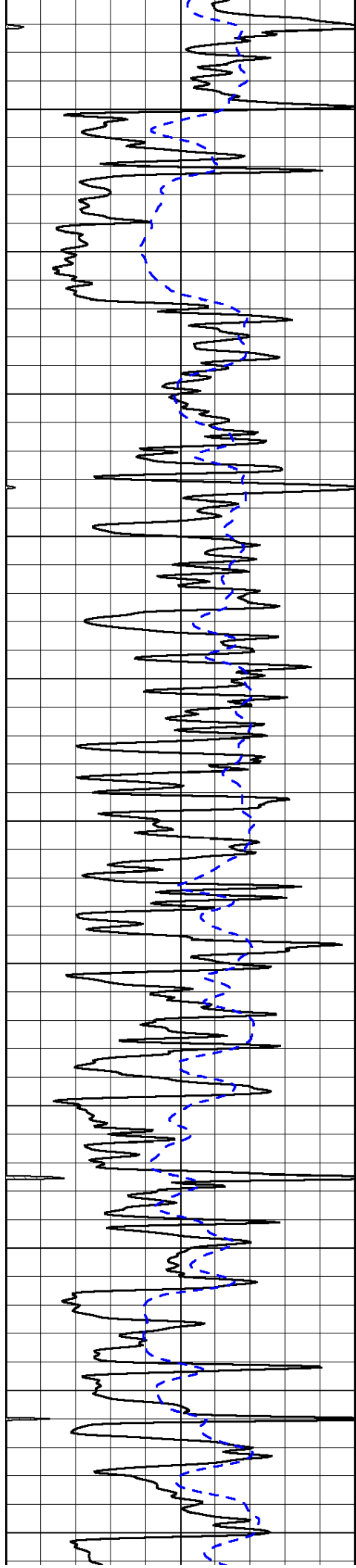


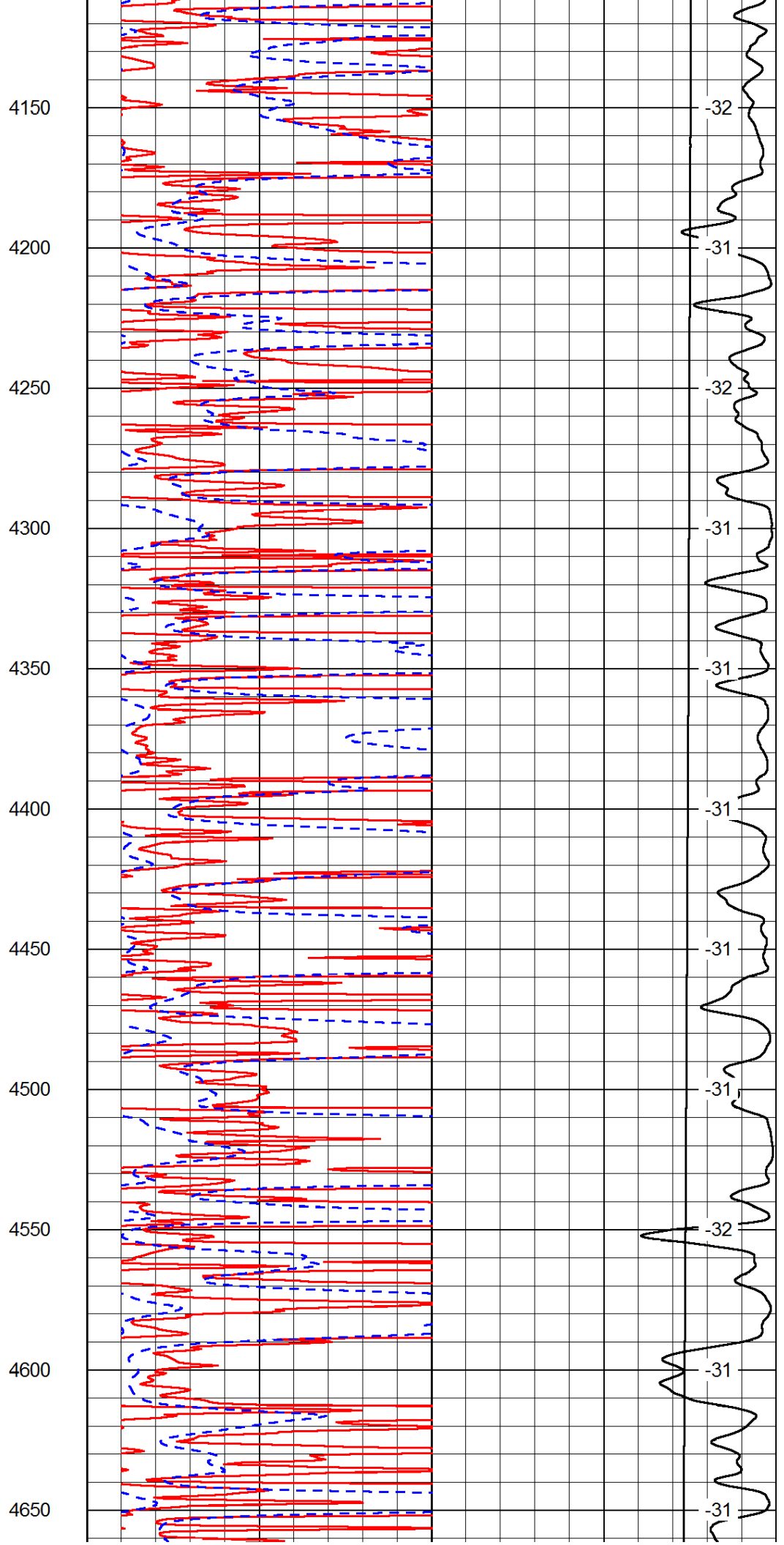
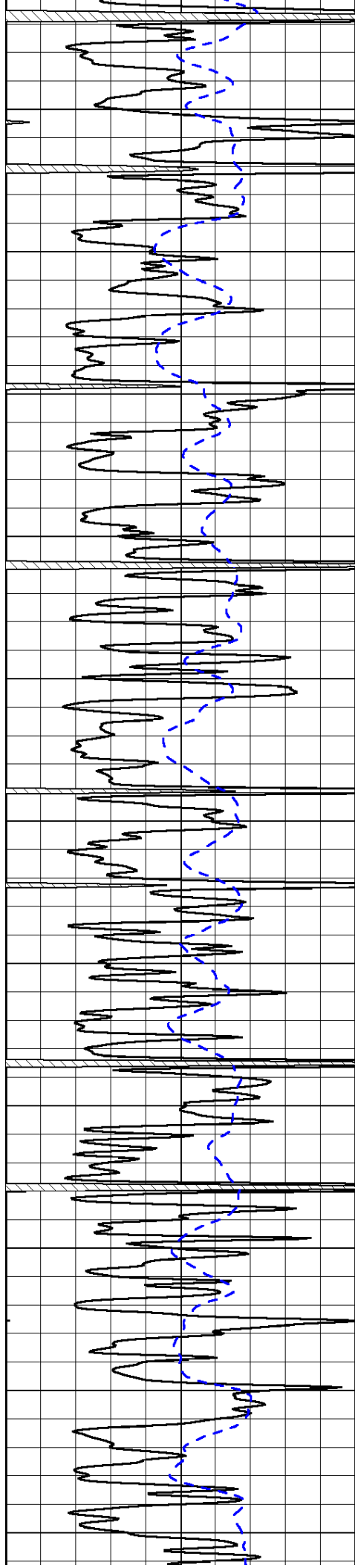


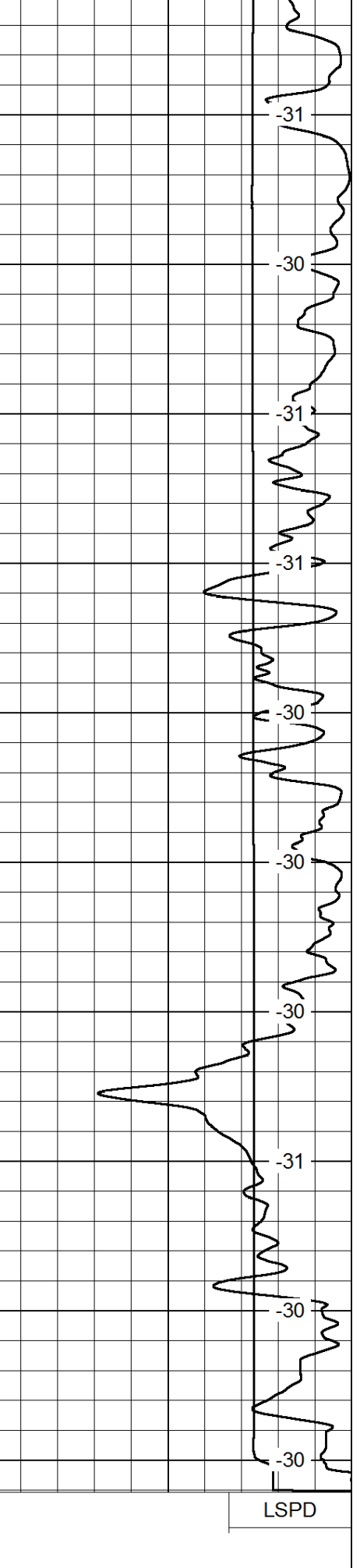
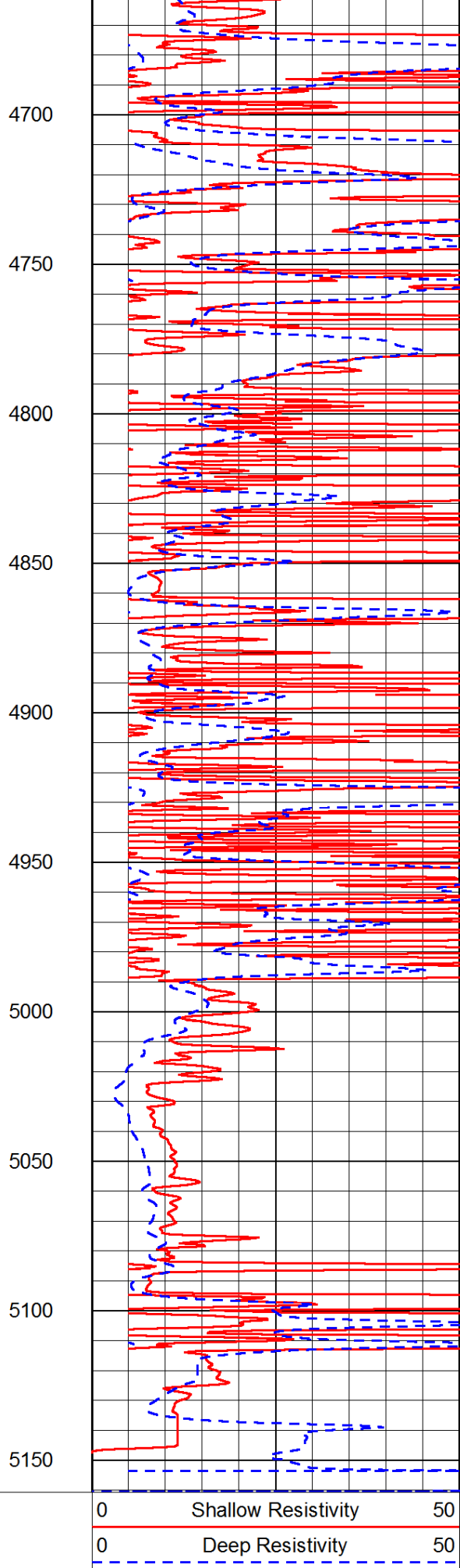
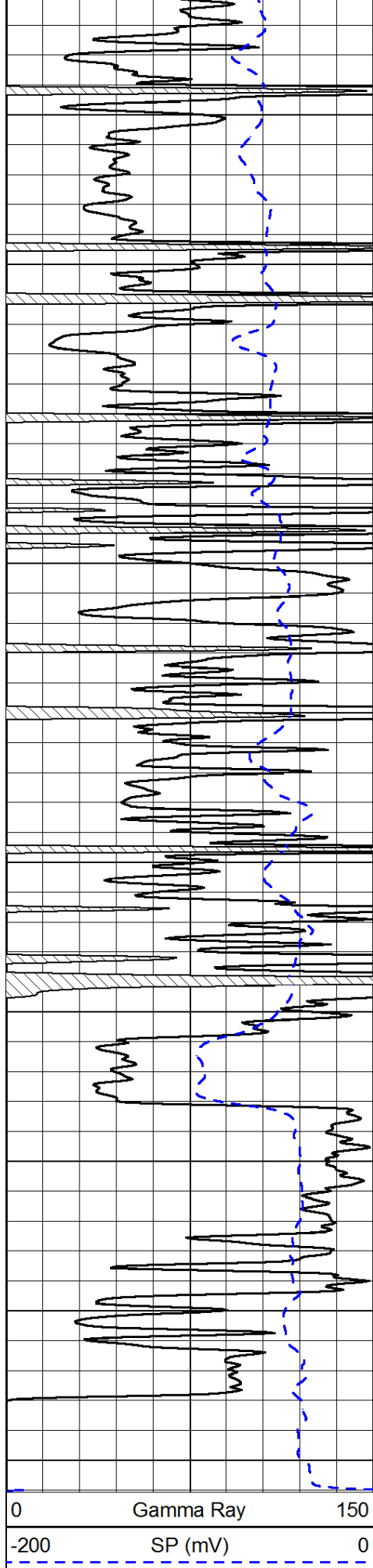












0 Gamma Ray 150
-200 SP (mV) 0

0 Shallow Resistivity 50
0 Deep Resistivity 50

LSPD
0

1000 Conductivity 0
15000 Line Tension 0

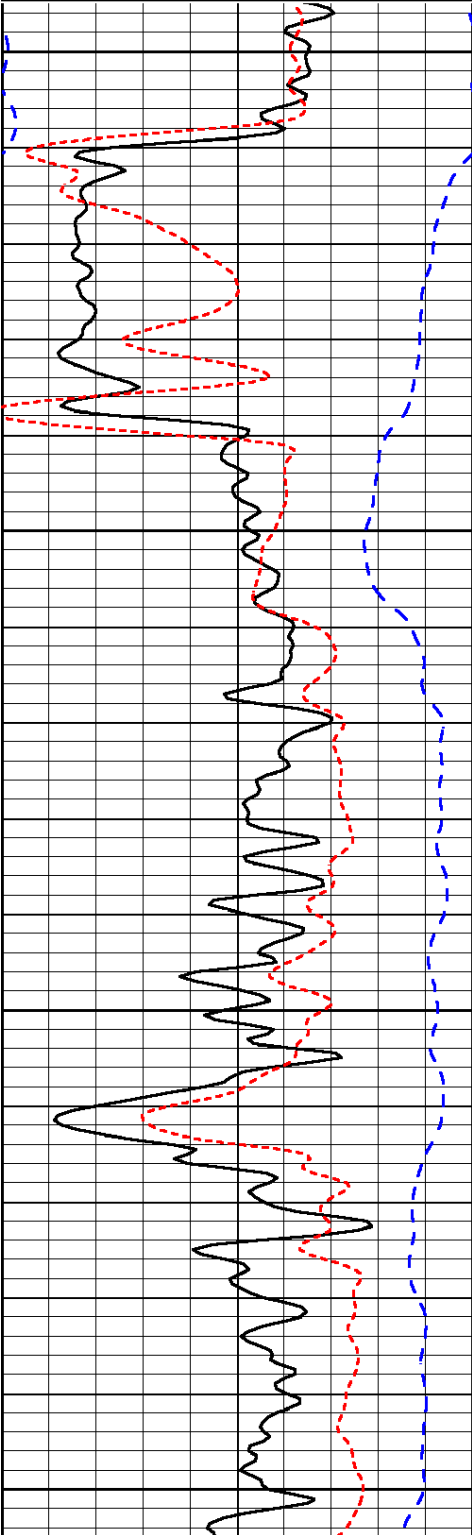
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File: c:\warrior\data\cholla_blaesi #3-3\cholla_blaesi_1_3hd.db
 Dataset Pathname: DIL/cholstk
 Presentation Format: dil
 Dataset Creation: Thu Sep 04 06:01:02 2014
 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

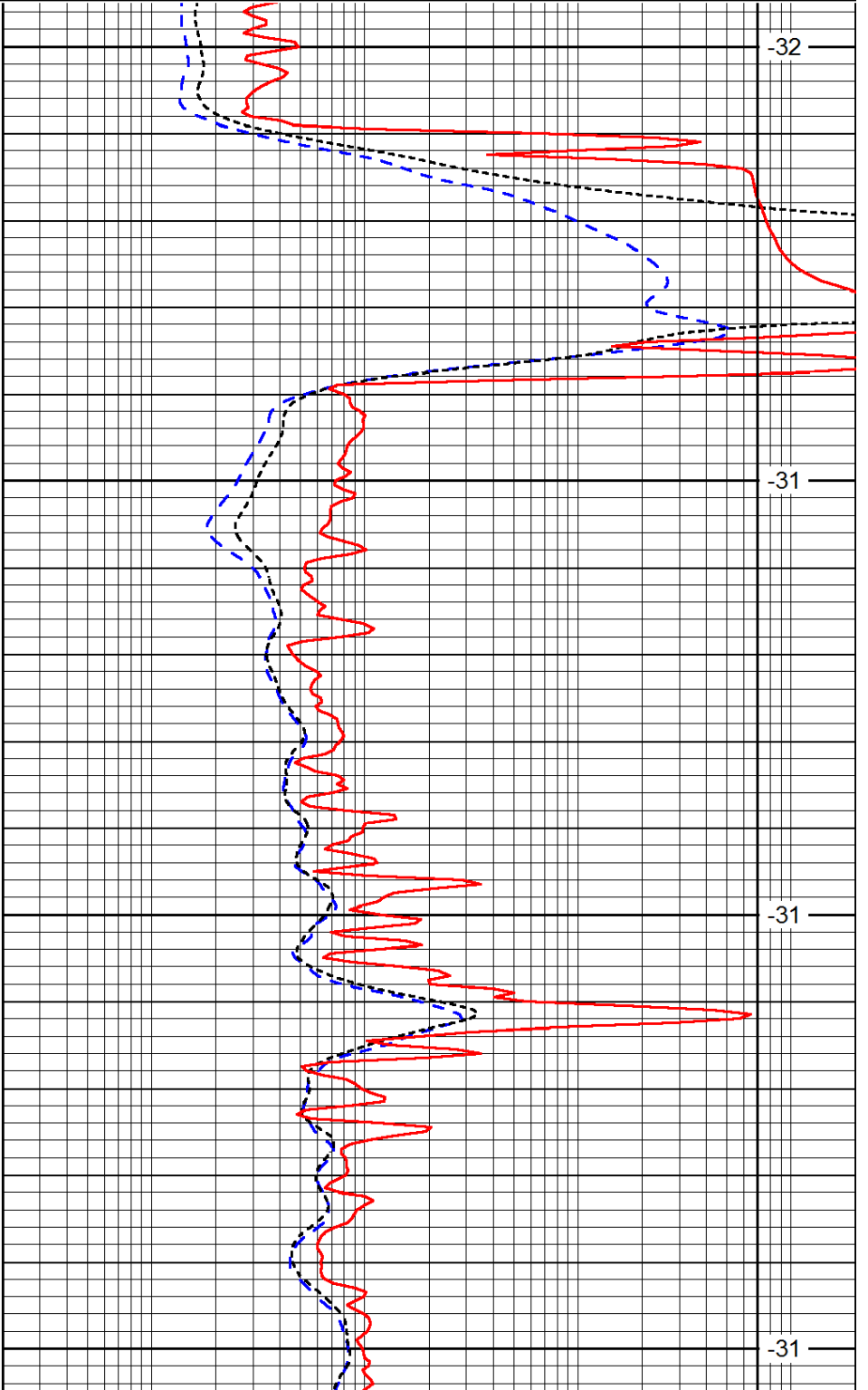


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2850

2900

2950

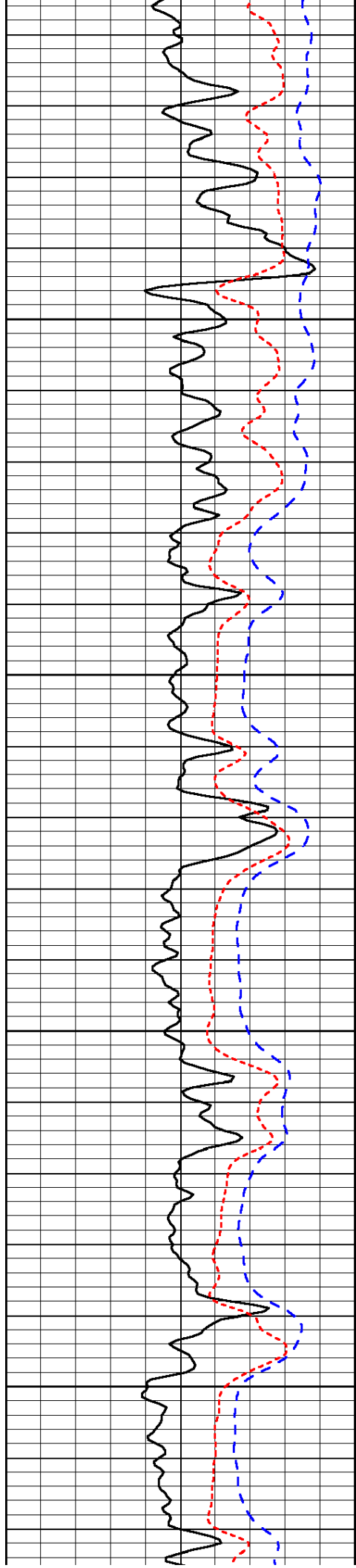


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-31

-31

-31

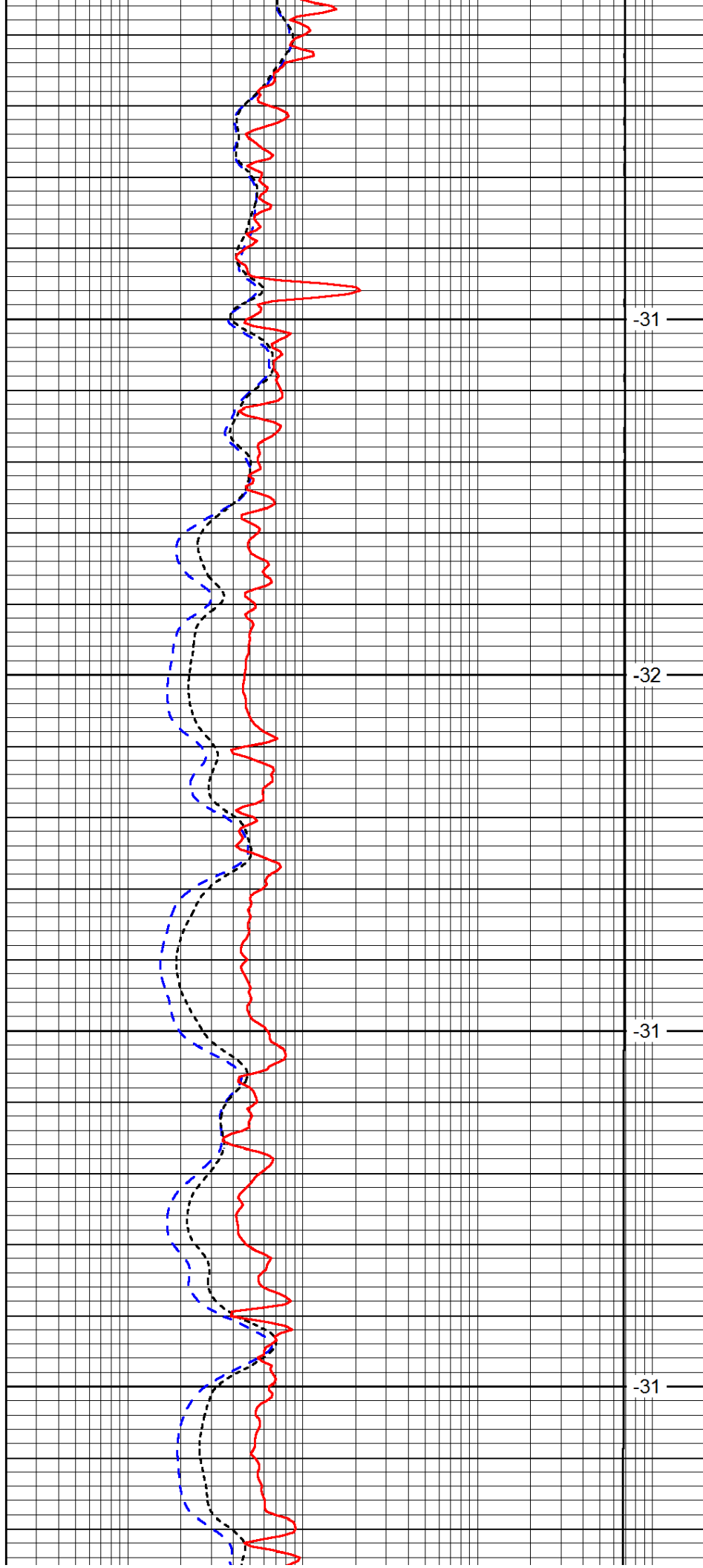


3000

3050

3100

3150

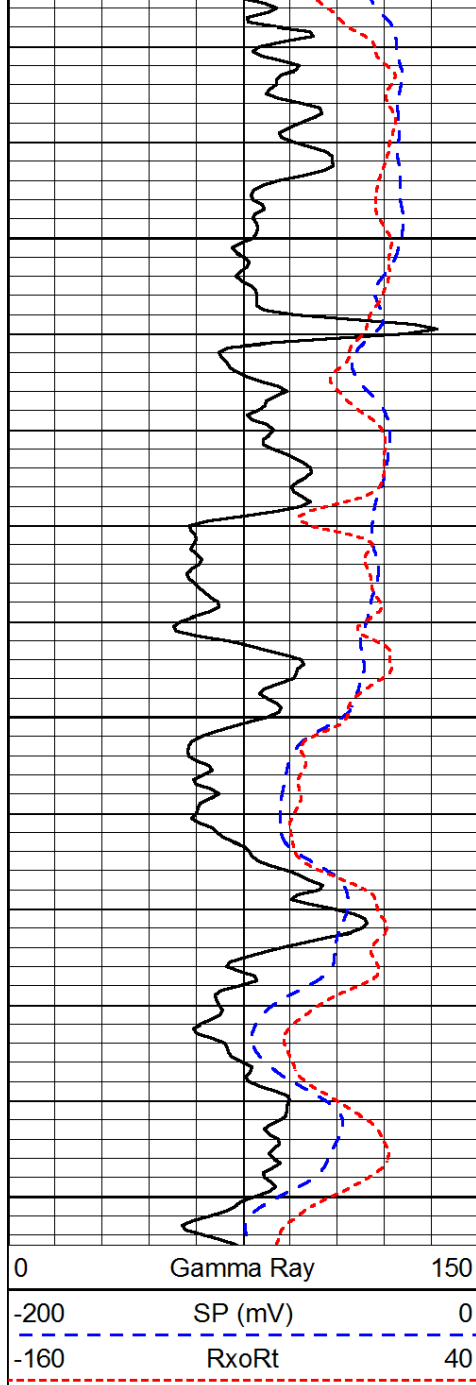


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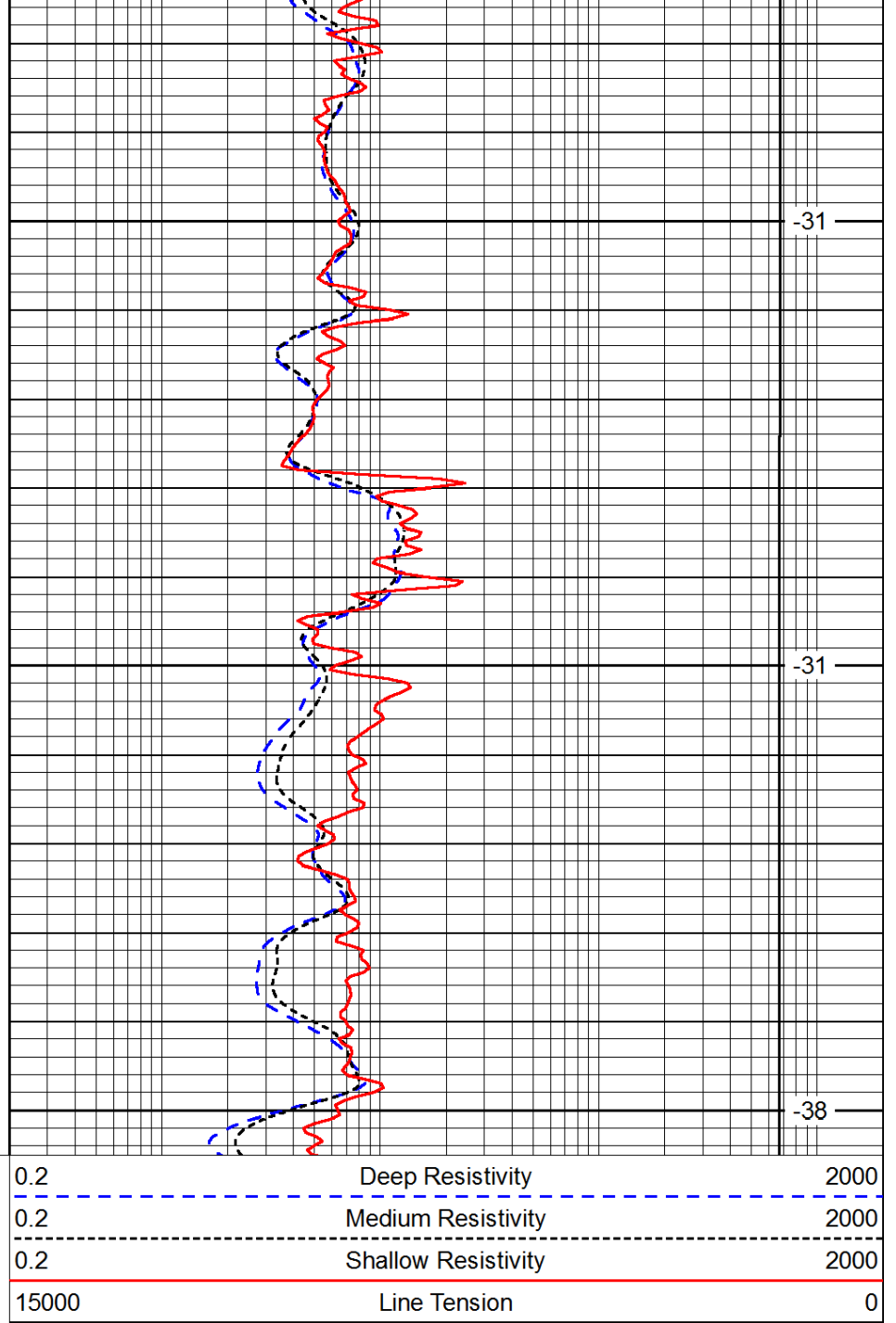
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3200

3250

3300



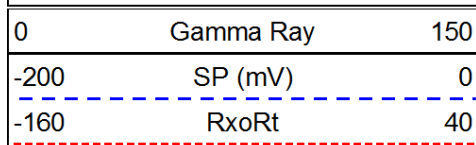
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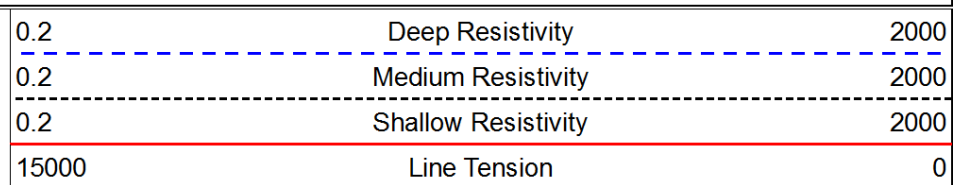
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LSPD

Database File: c:\warrior\data\cholla_blaesi #3-3\cholla_blaesi_1_3hd.db
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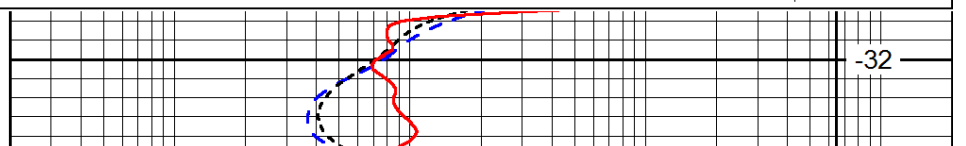
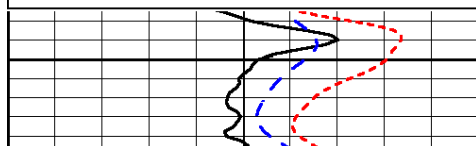


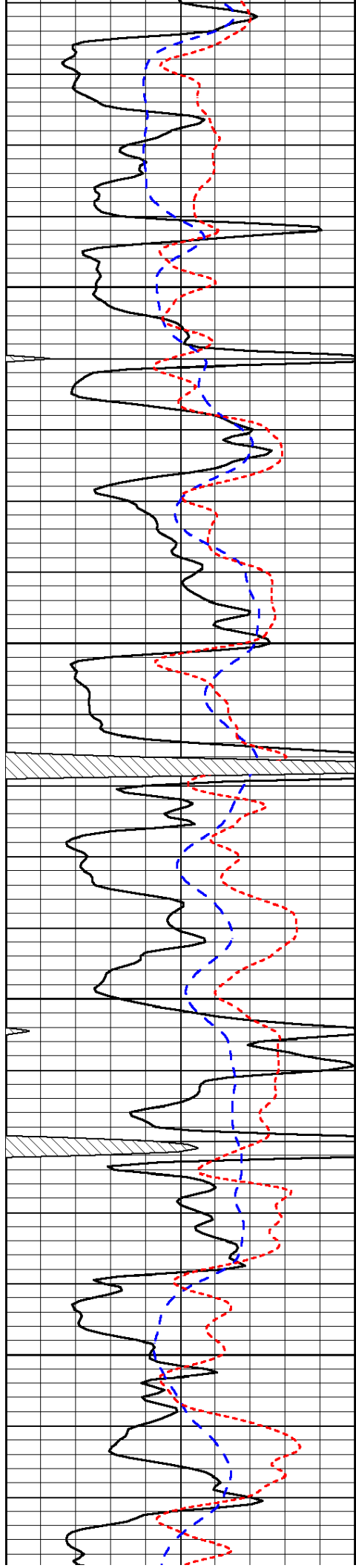
4000



-32

LSPD



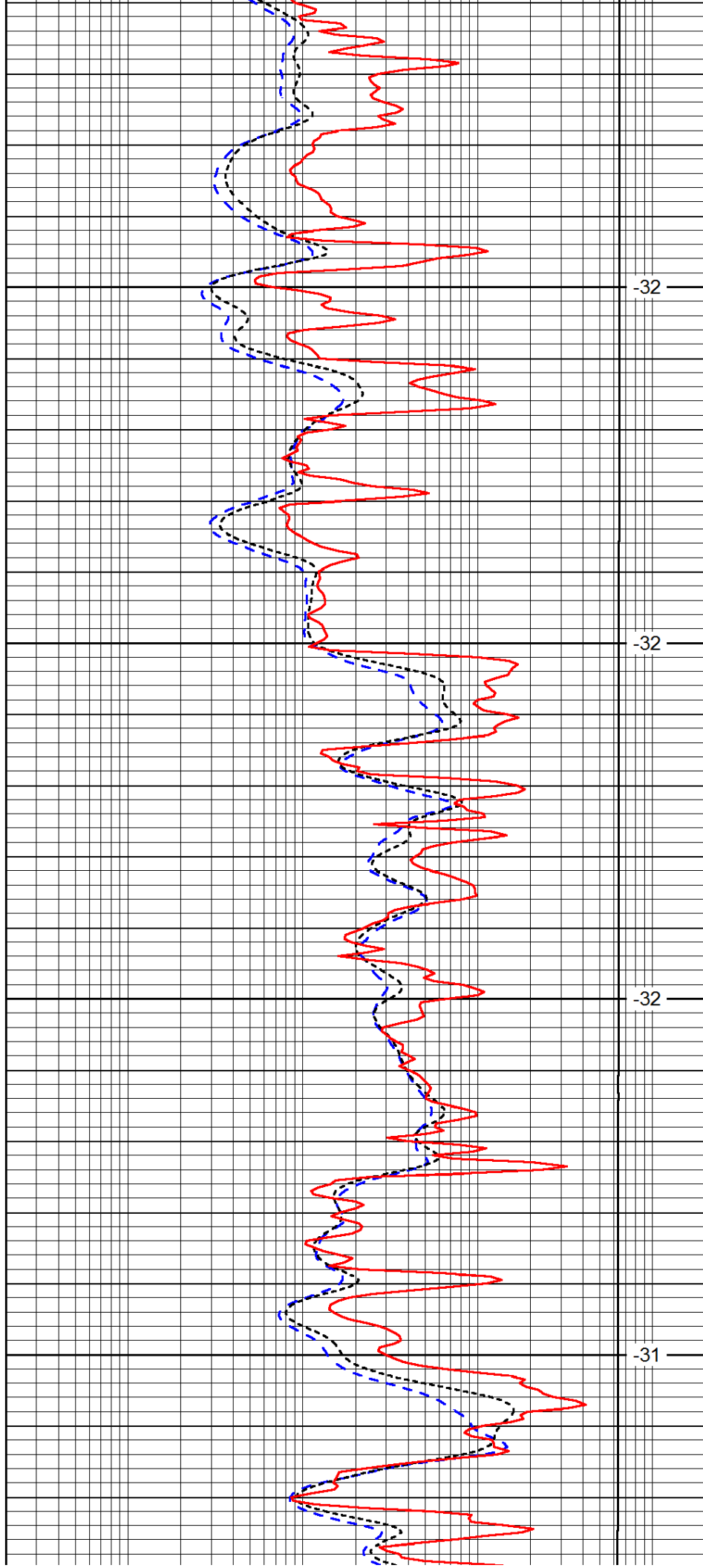


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4100

4150

4200

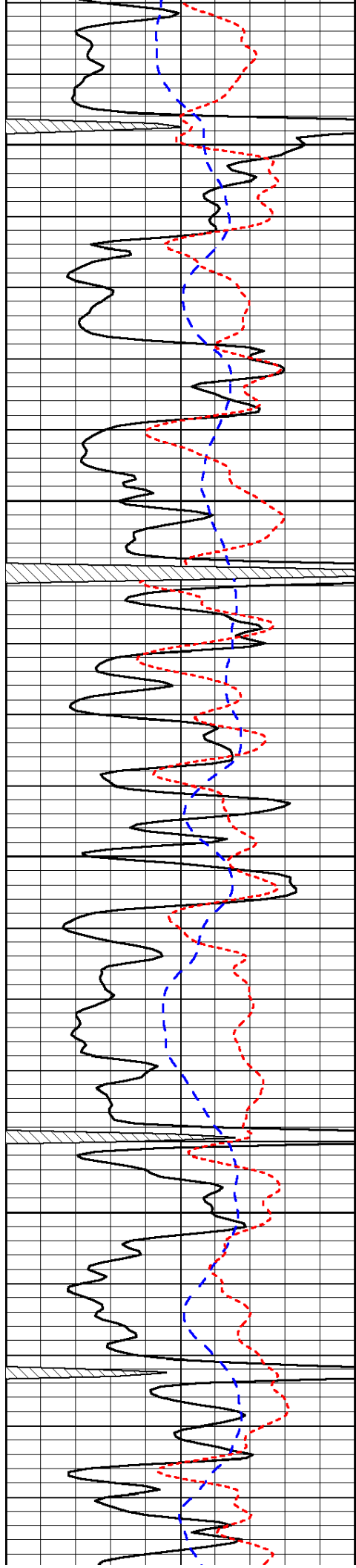


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-32

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-31



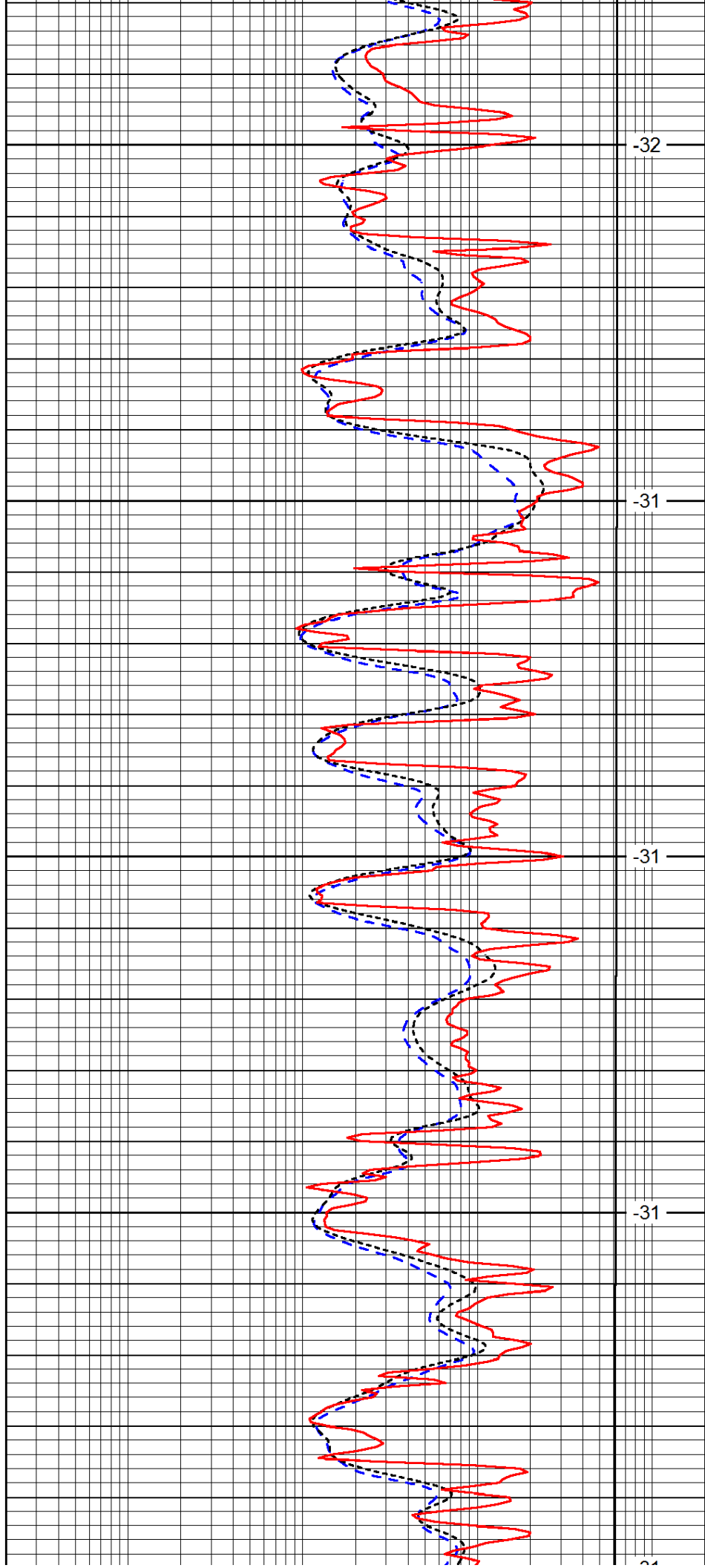
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4300

4350

4400

4450



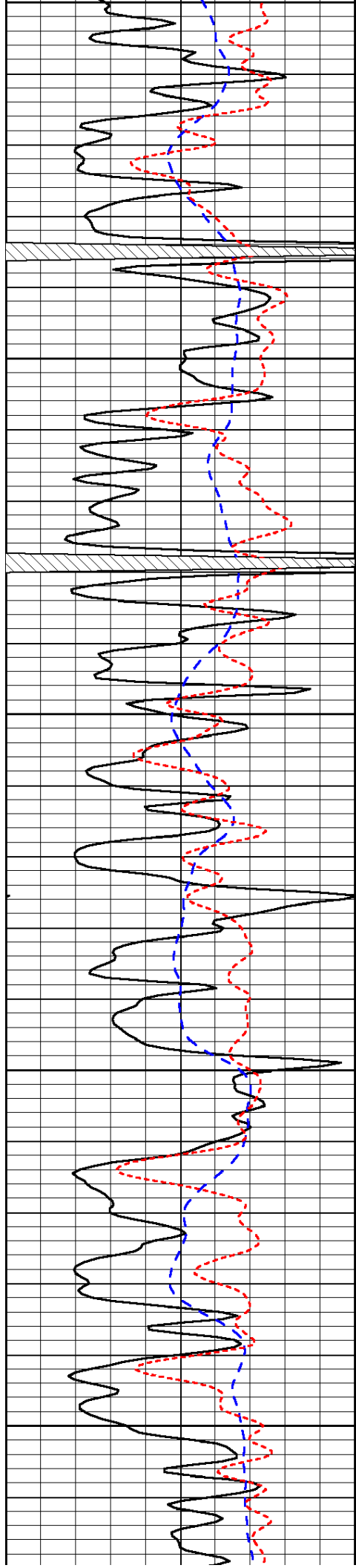
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-31

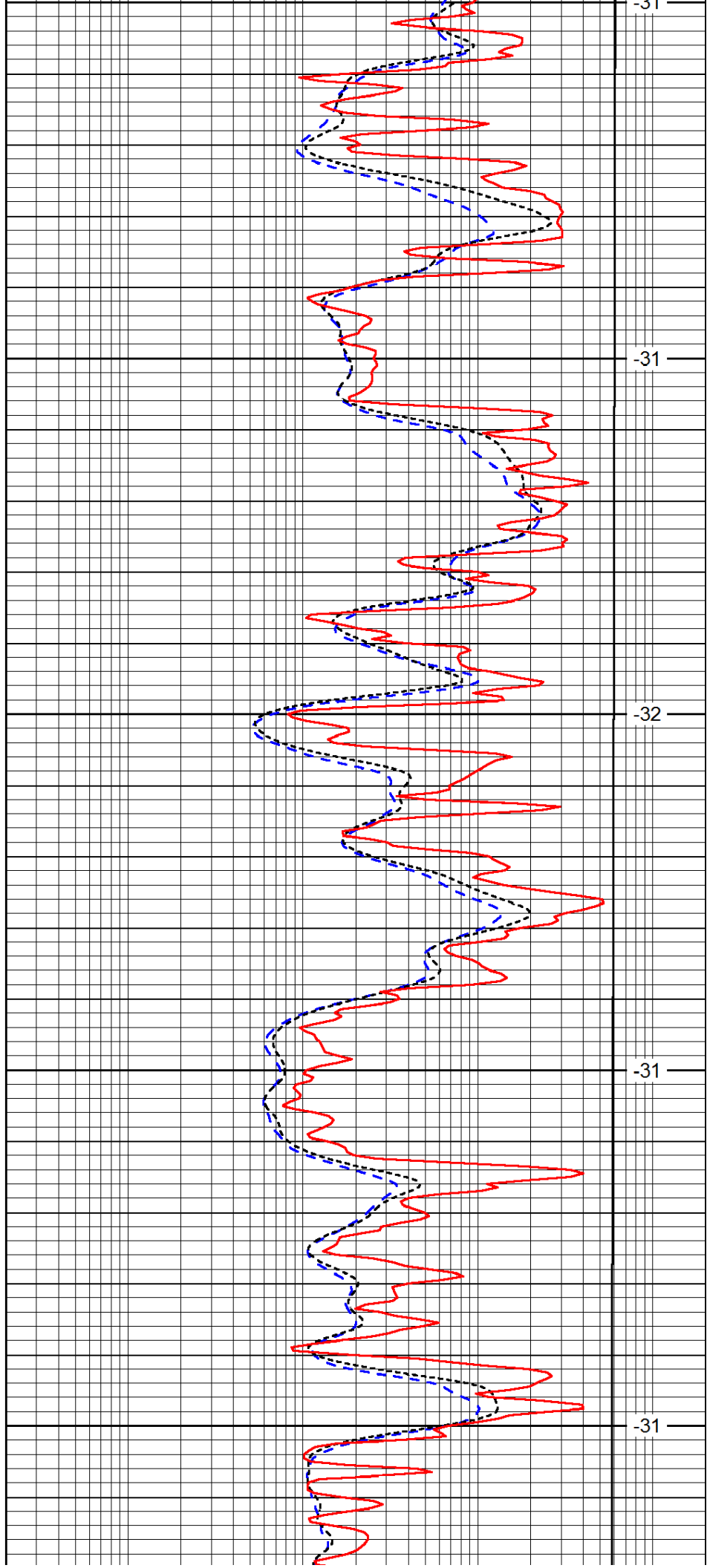
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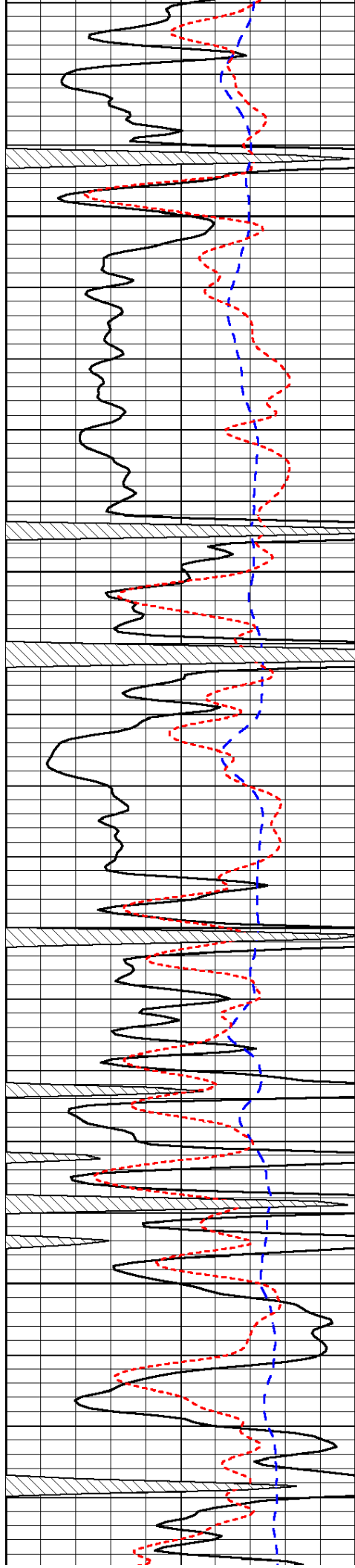
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4450
4500
4550
4600
4650



-31
-31
-32
-31
-31

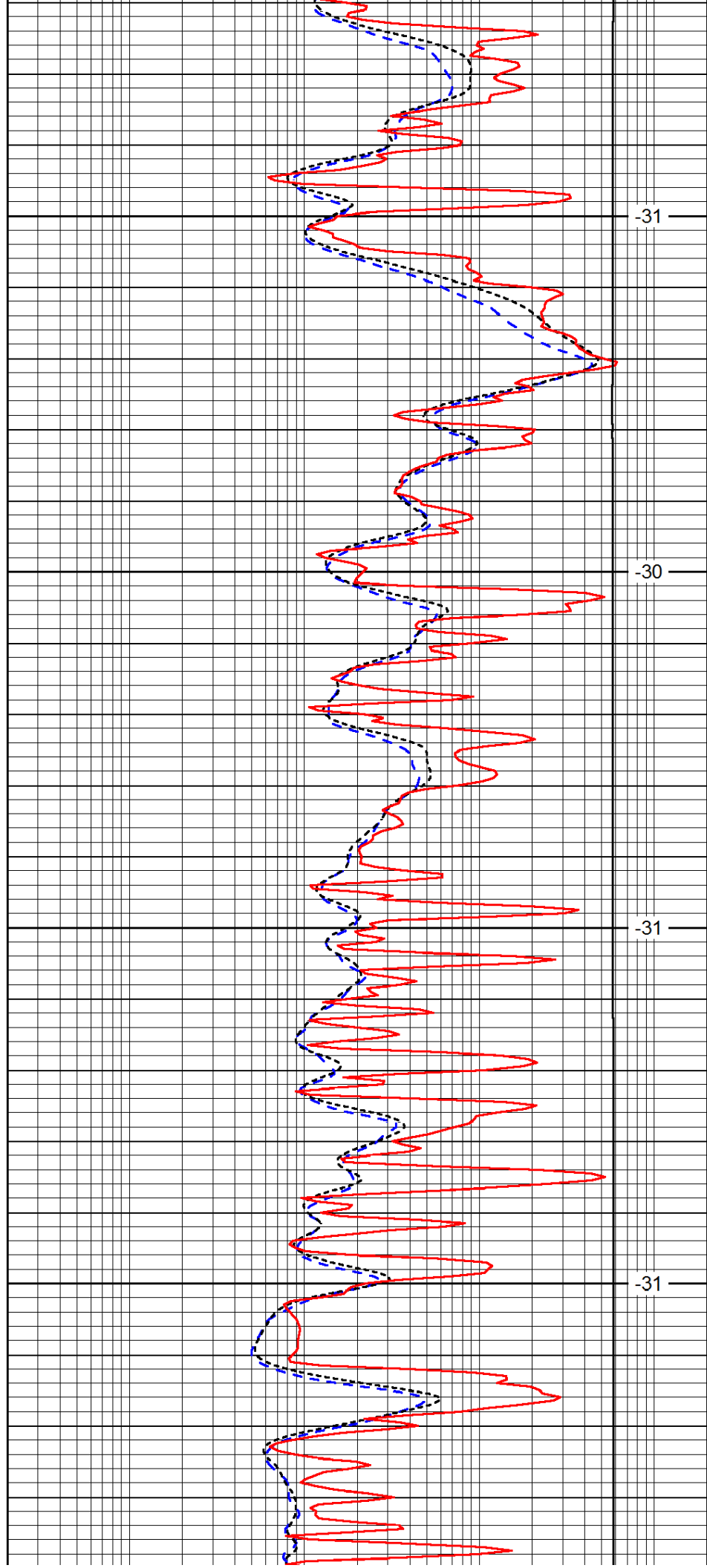


4700

4750

4800

4850

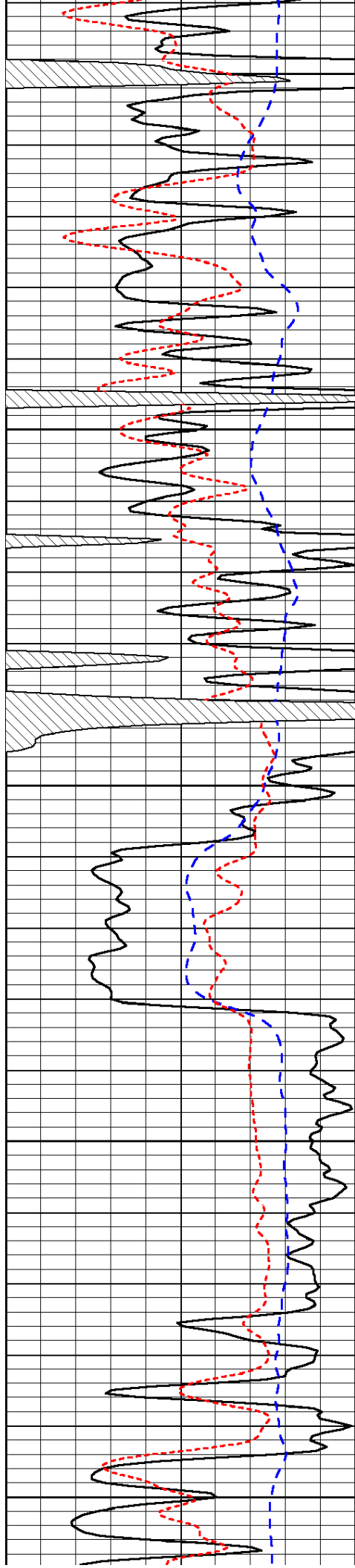


-31

-30

-31

-31



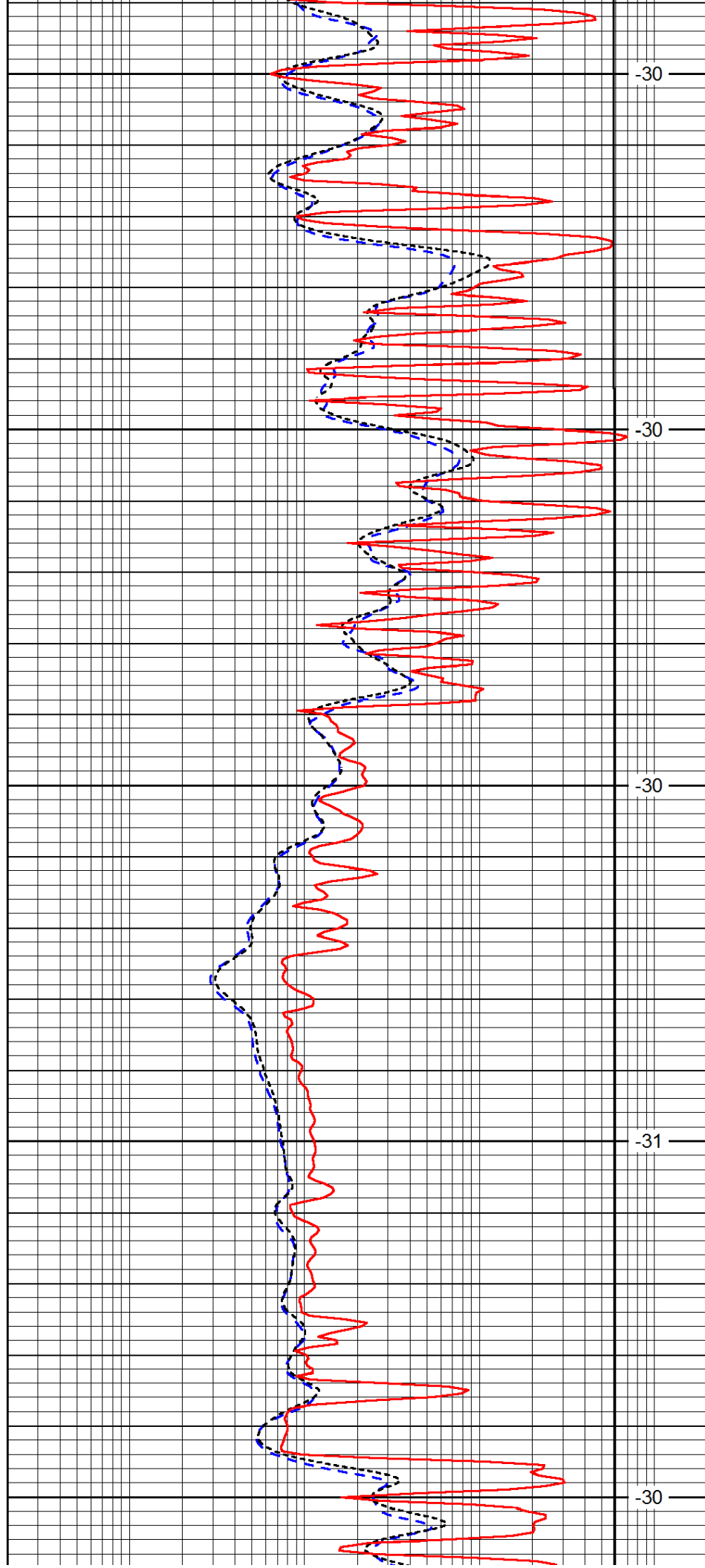
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4950

5000

5050

5100



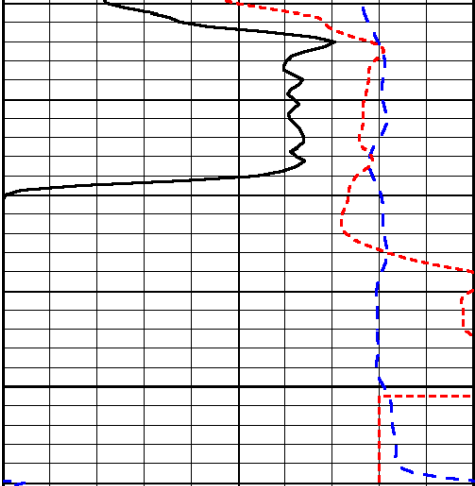
-30

-30

-30

-31

-30



5150

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



-30

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

LSPD