



Dual Induction Log

Pioneer Energy Services

API No.	Company Landmark Resources, Inc.				
	Well Decker #1-8				
	Field Wildcat				
	County	Scott	State	Kansas	
15-171-20,954-00-00	Location	1732' FSL & 1709' FEL			Other Services CNL/CDL MEL/BHCS
	Sec: 8	Twp: 17S	Rge: 34W	Elevation K.B. 3156 D.F. 3145 G.L. 3145	
Permanent Datum	Ground Level	Elevation 3145			
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum			
Drilling Measured From	Kelly Bushing				
Date	6/26/2013				
Run Number	One				
Depth Driller	4940				
Depth Logger	4943				
Bottom Logged Interval	4942				
Top Log Interval	200				
Casing Driller	8.625 @ 226				
Casing Logger	221				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	6,100				
Density / Viscosity	9.4	53			
pH / Fluid Loss	10.0	9.6			
Source of Sample	Flowline				
Rm @ Meas. Temp	.40 @ 100				
Rmf @ Meas. Temp	.30 @ 100				
Rmc @ Meas. Temp	.54 @ 100				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.32 @ 125				
Operating Rig Time	5 Hours				
Max Rec. Temp. F	125				
Equipment Number	15				
Location	Hays				
Recorded By	J. Henrickson		D. Martin		
Witnessed By	Terry McLeod				

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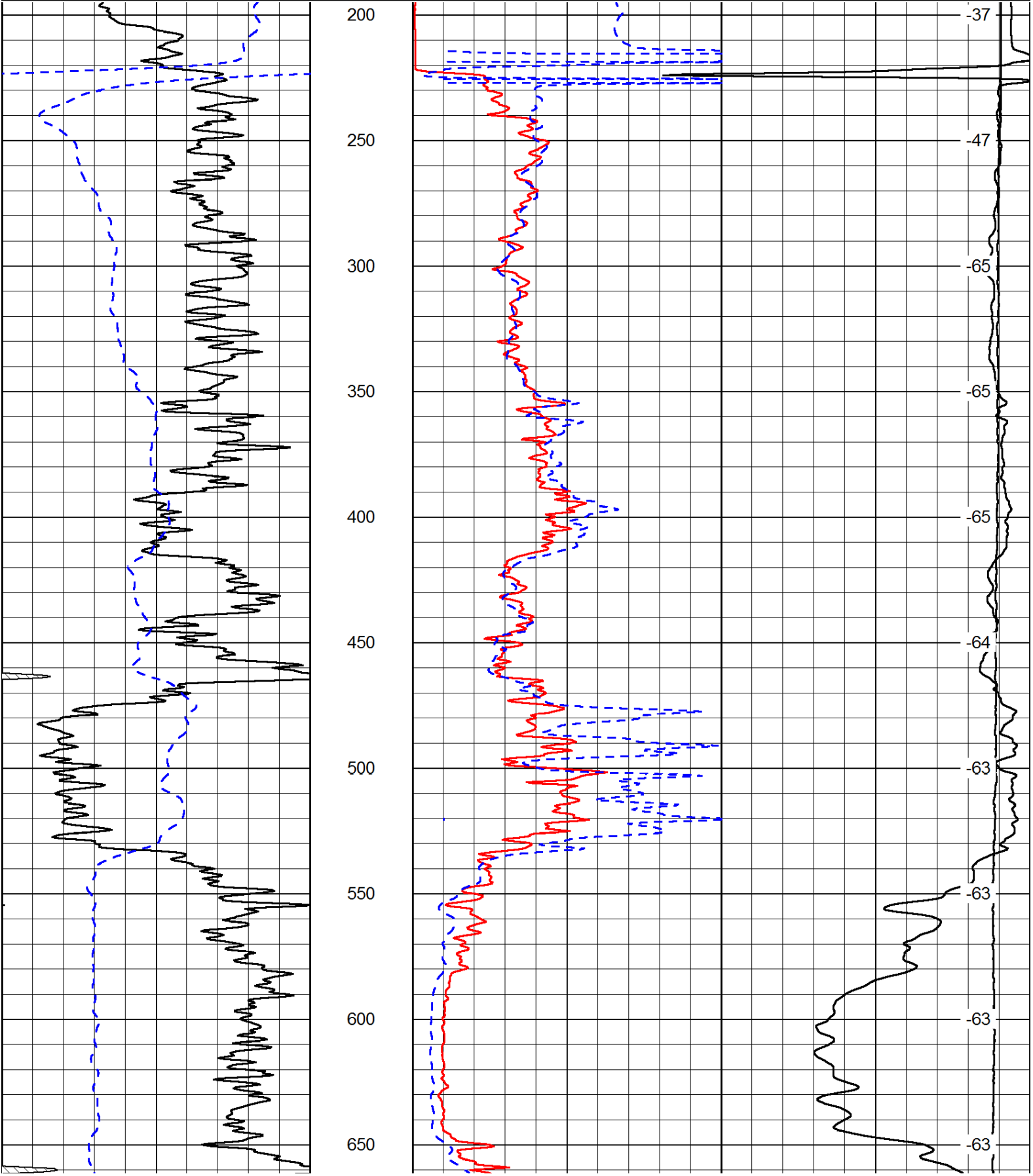
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

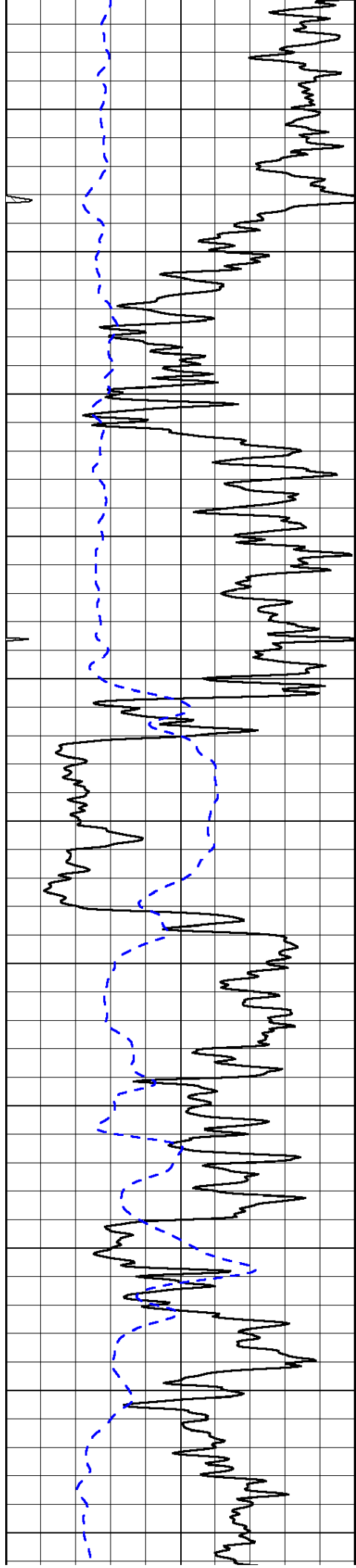
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Scott City KS
8 W on HWY 96 to Dakota Rd. 1 N, 1 W
5 1/2 N to 215 Rd. 1 W, 1/2 N, W Into

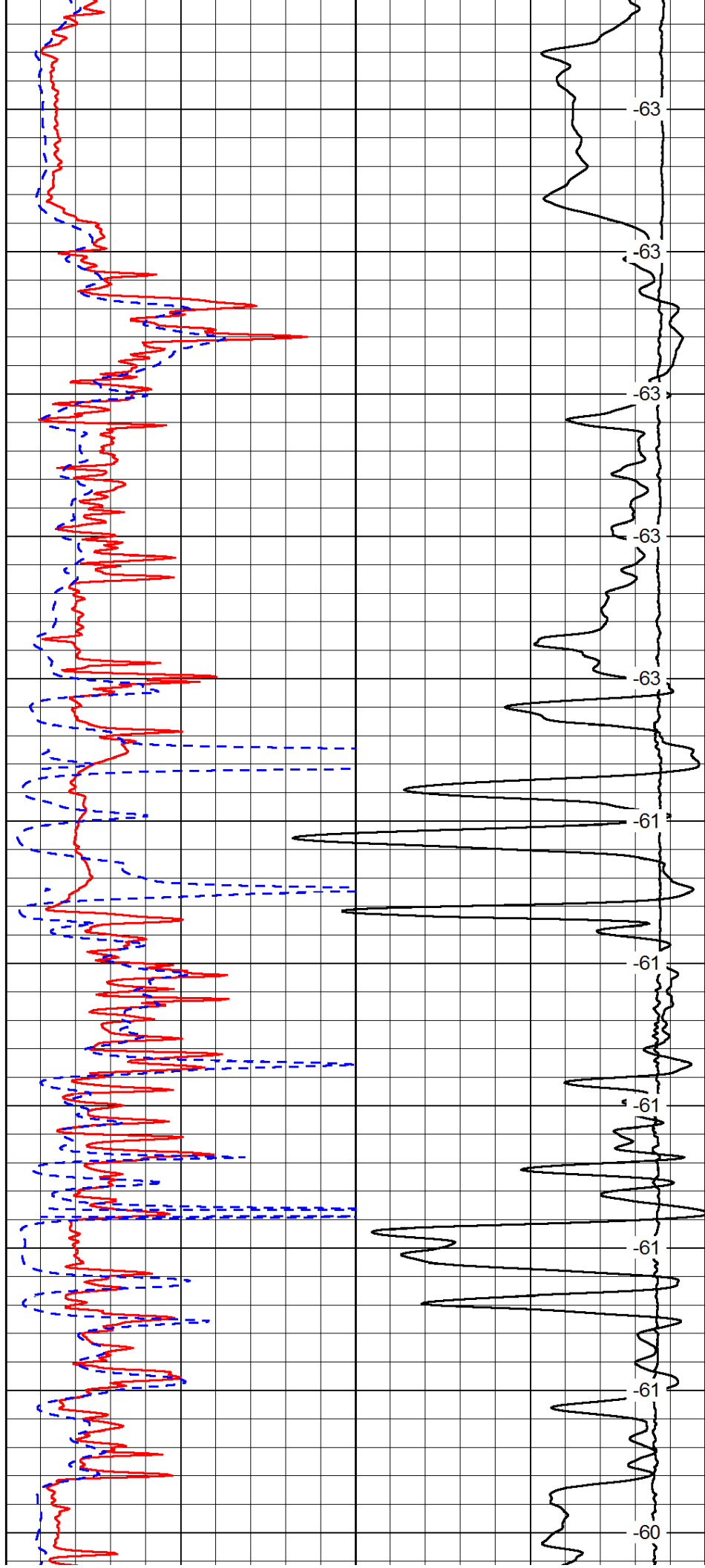
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Presentation Format: dil2in
Dataset Creation: Wed Jun 26 22:00:03 2013
Charted by: Depth in Feet scaled 1:600

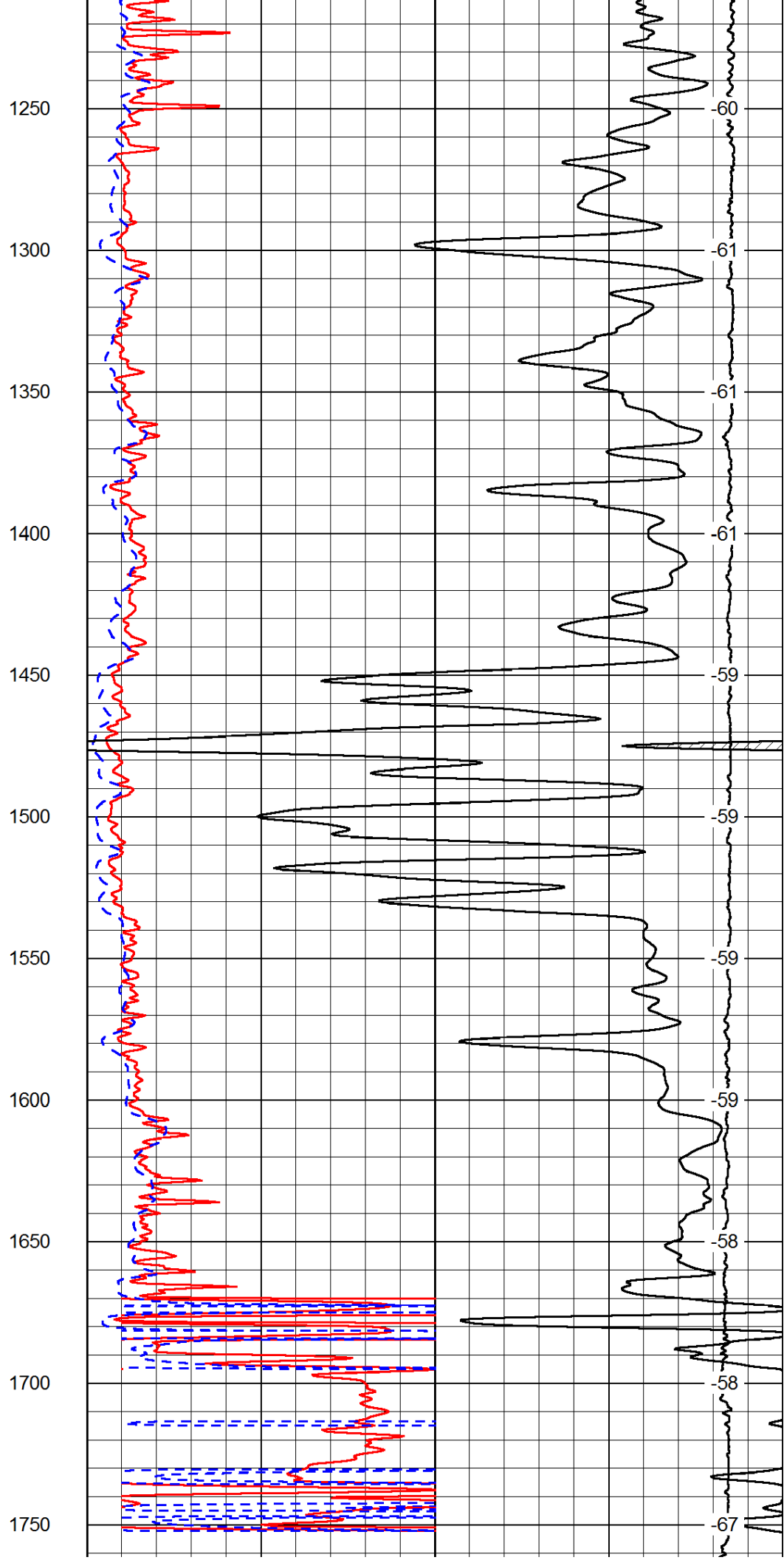
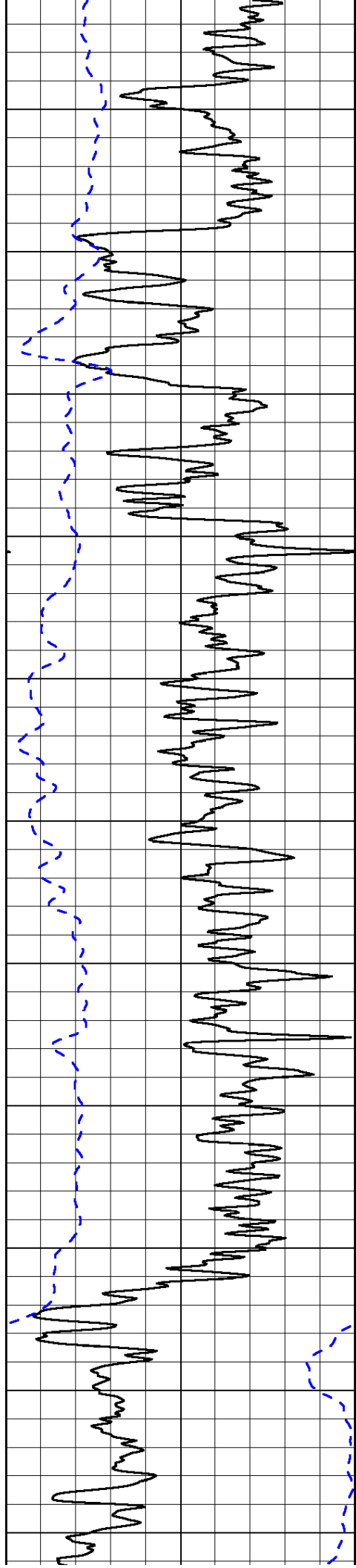
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0	Gamma Ray	150				LSPD		
-200	SP (mV)	0						

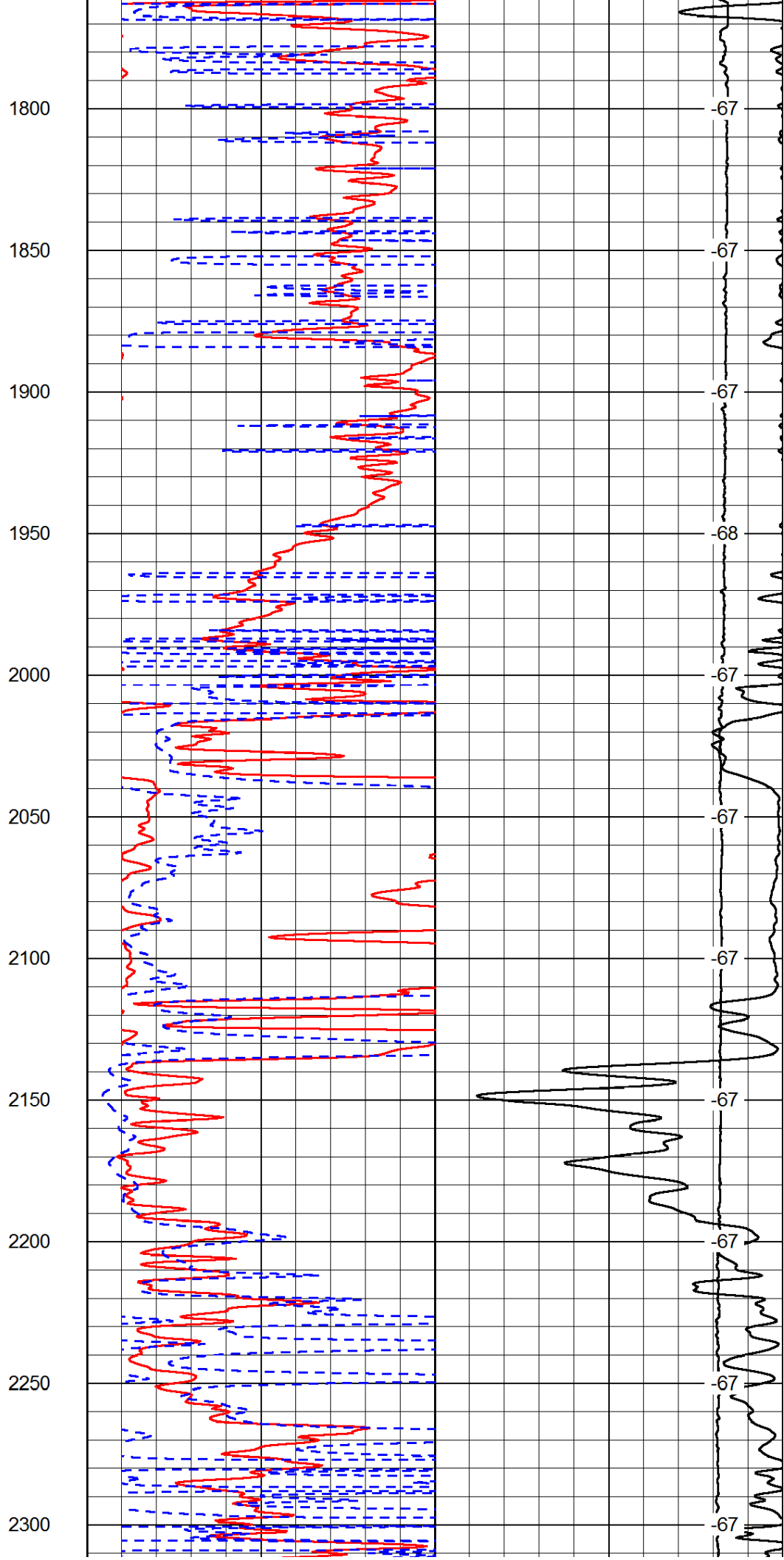
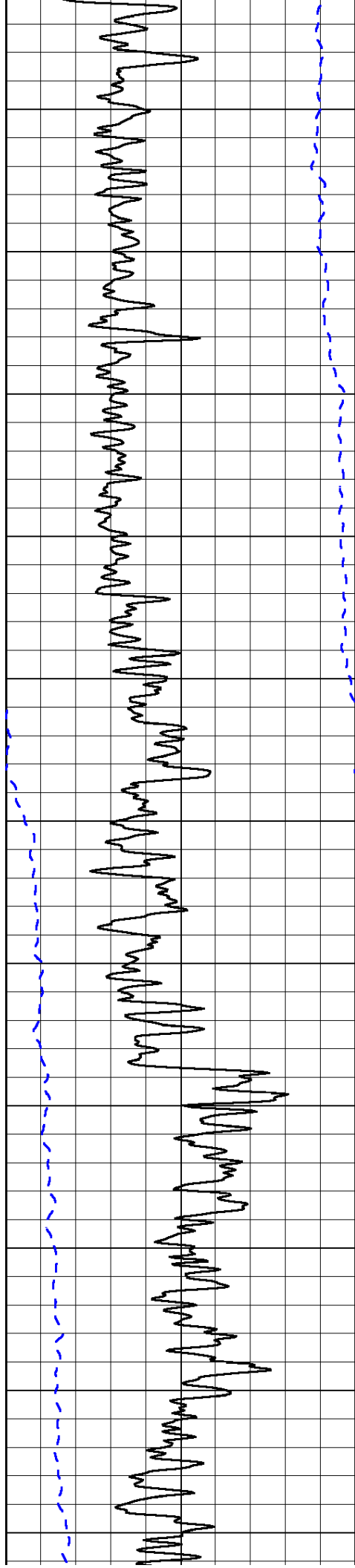


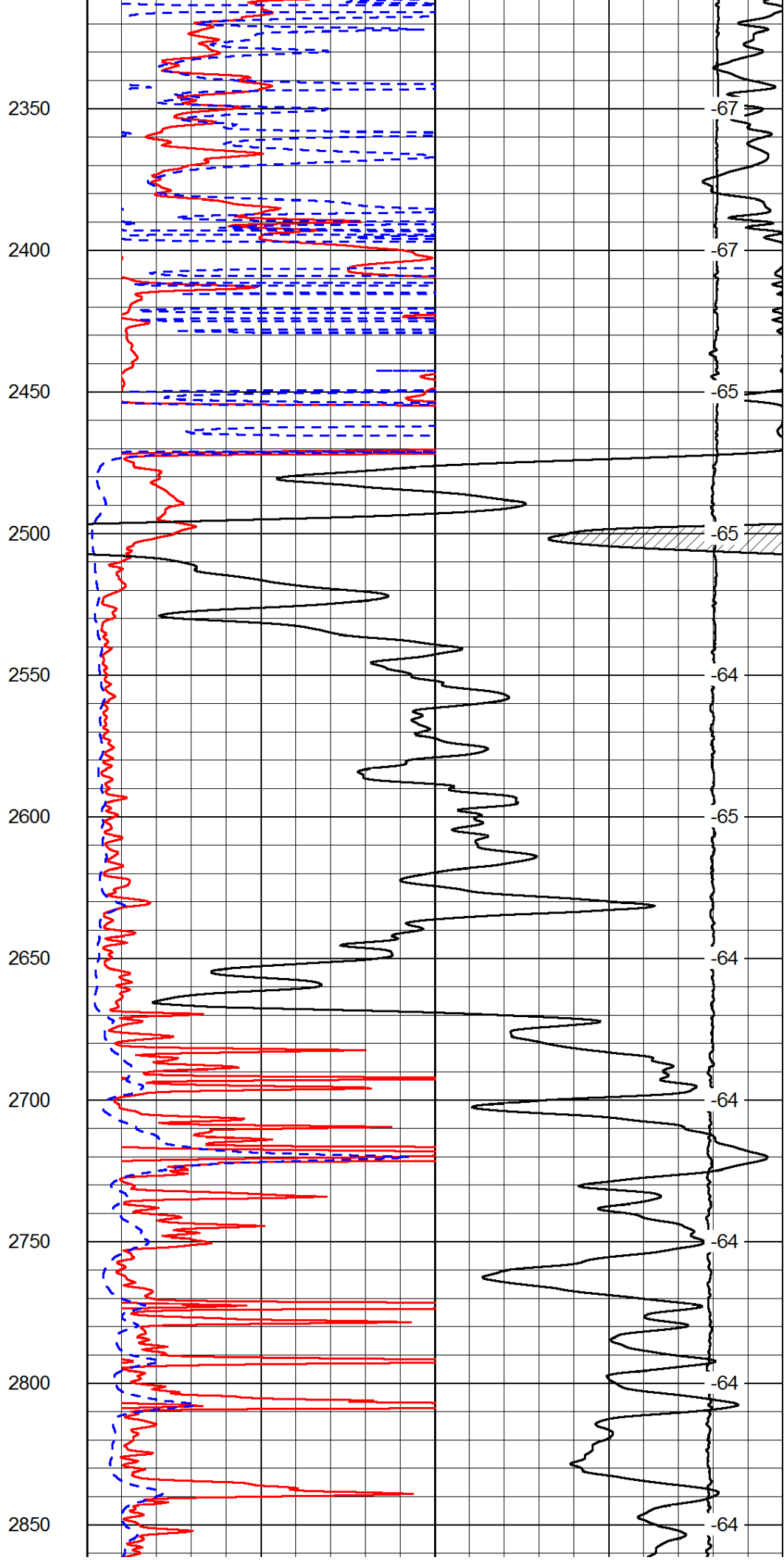
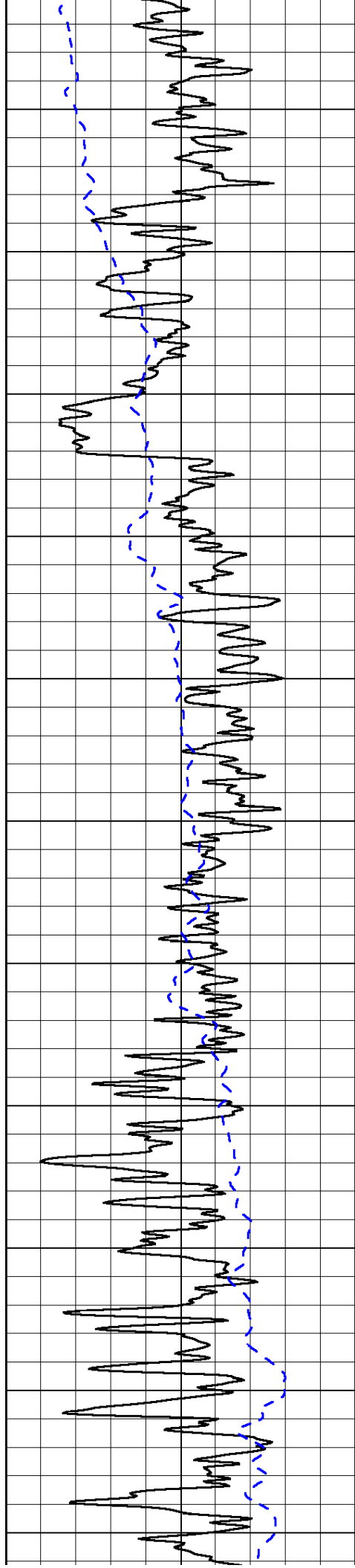


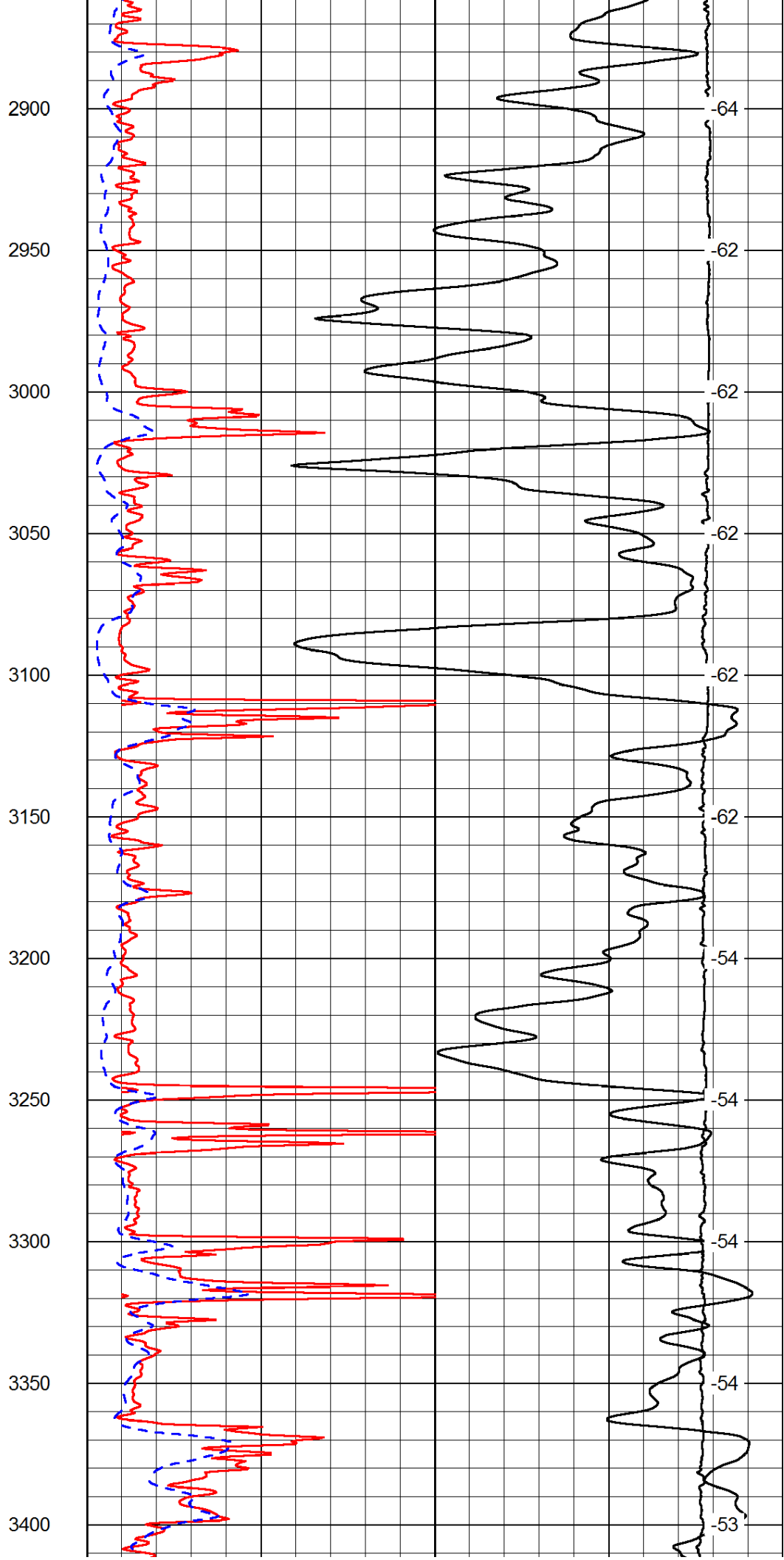
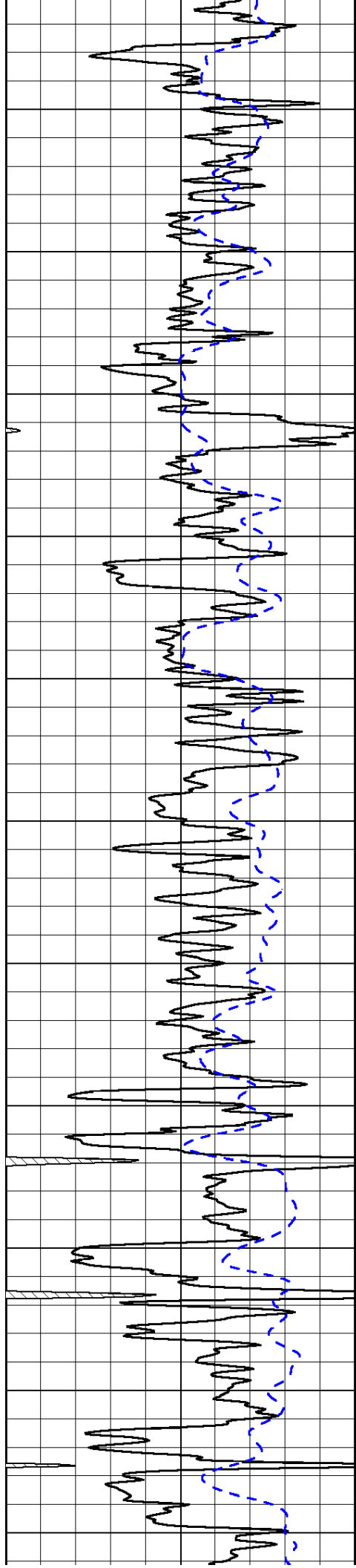
700
750
800
850
900
950
1000
1050
1100
1150
1200

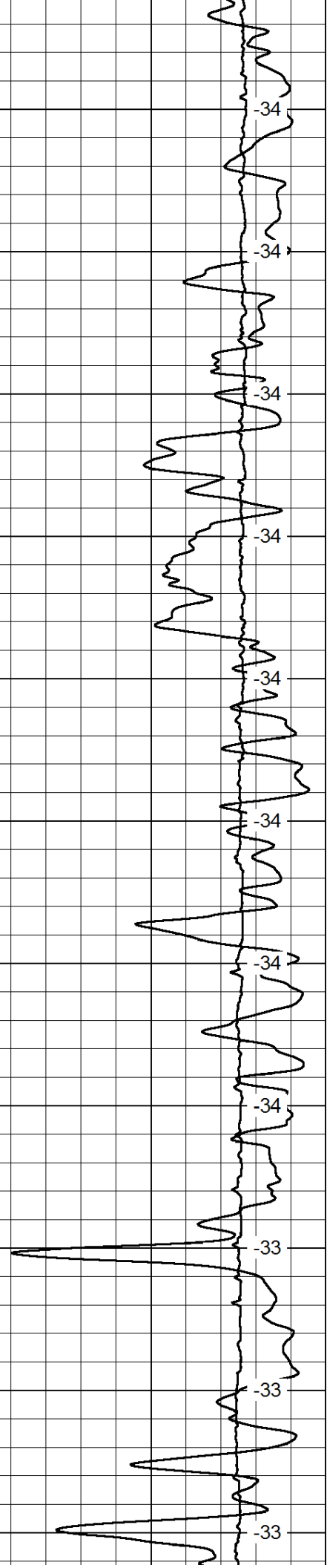
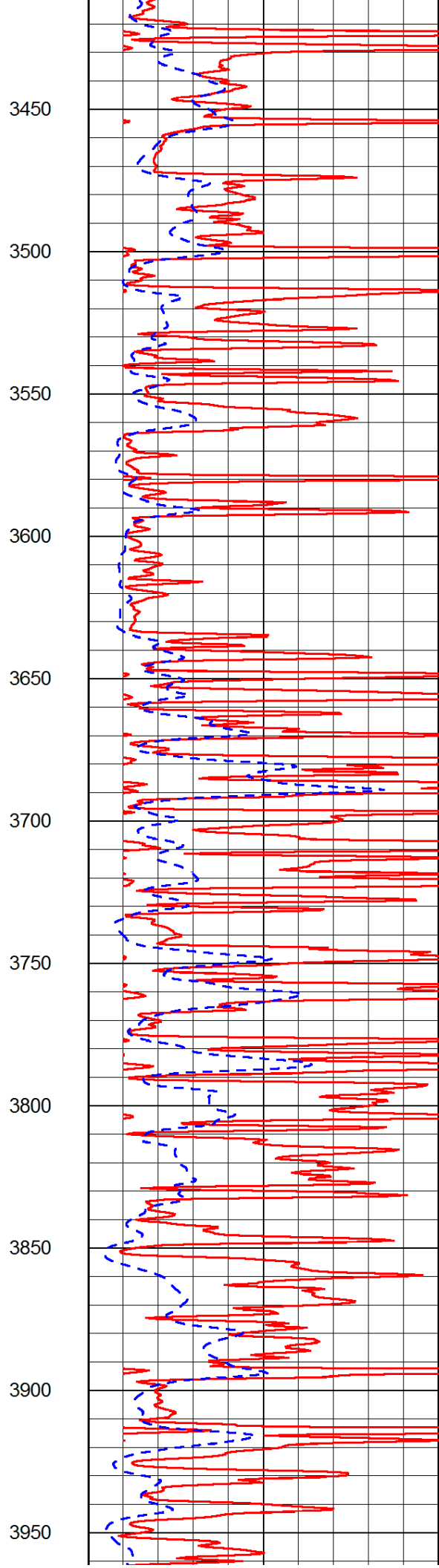
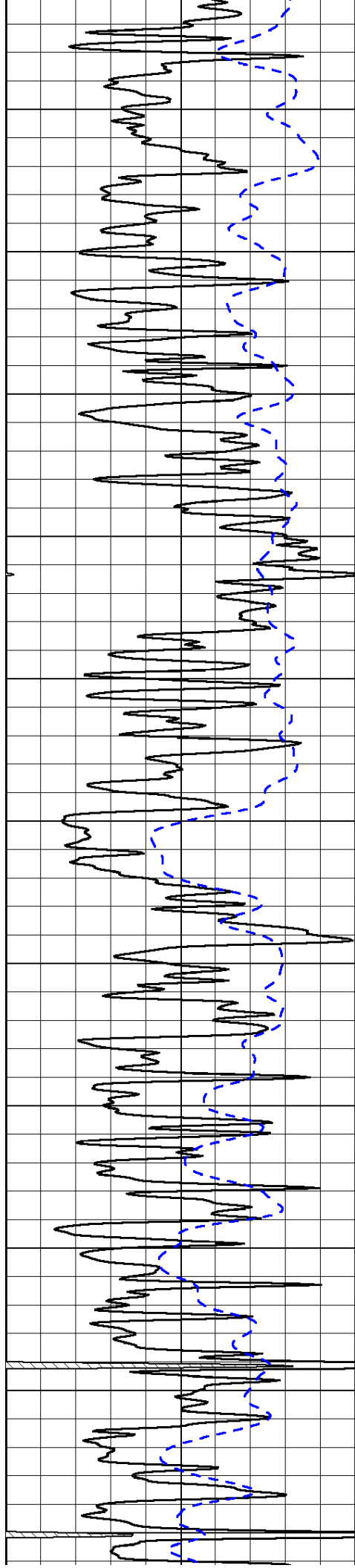


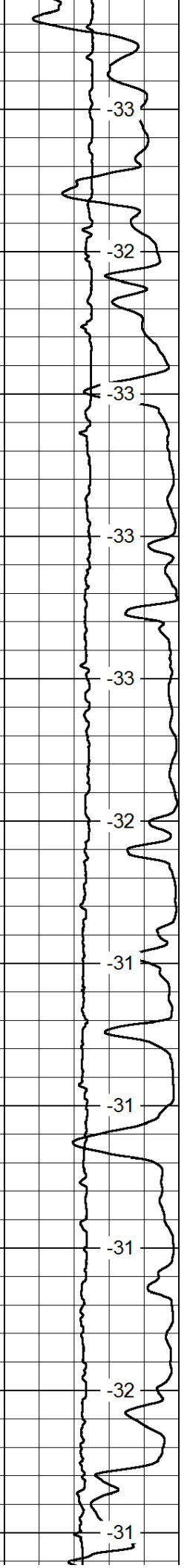
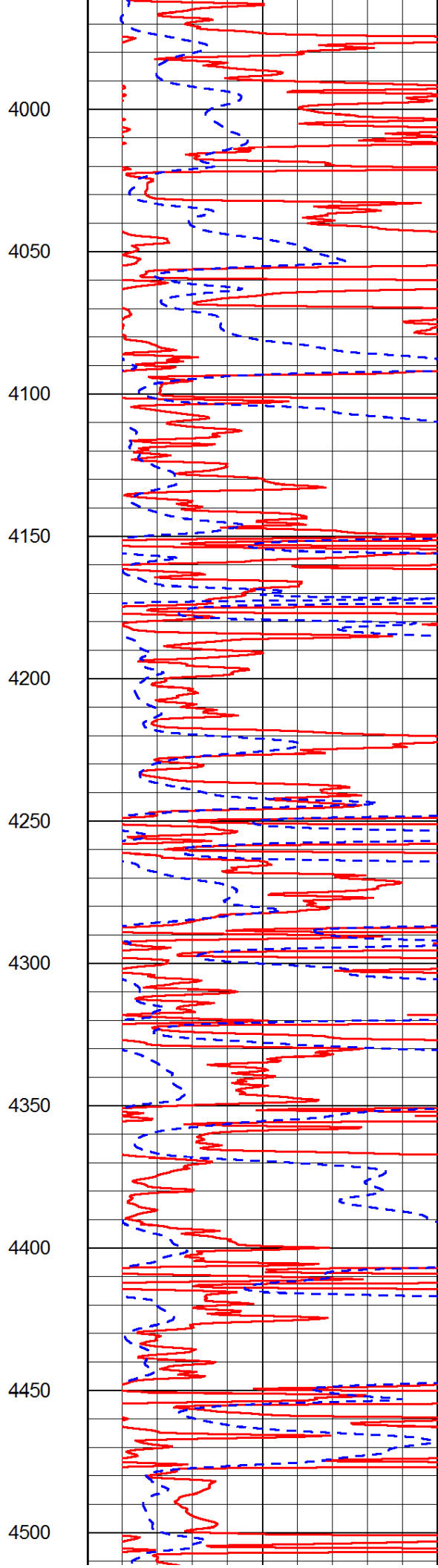
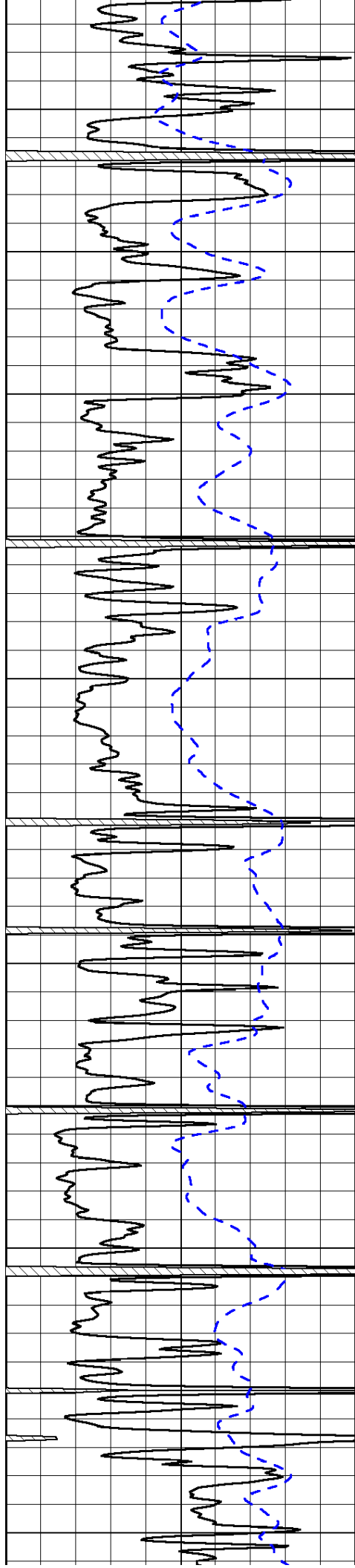


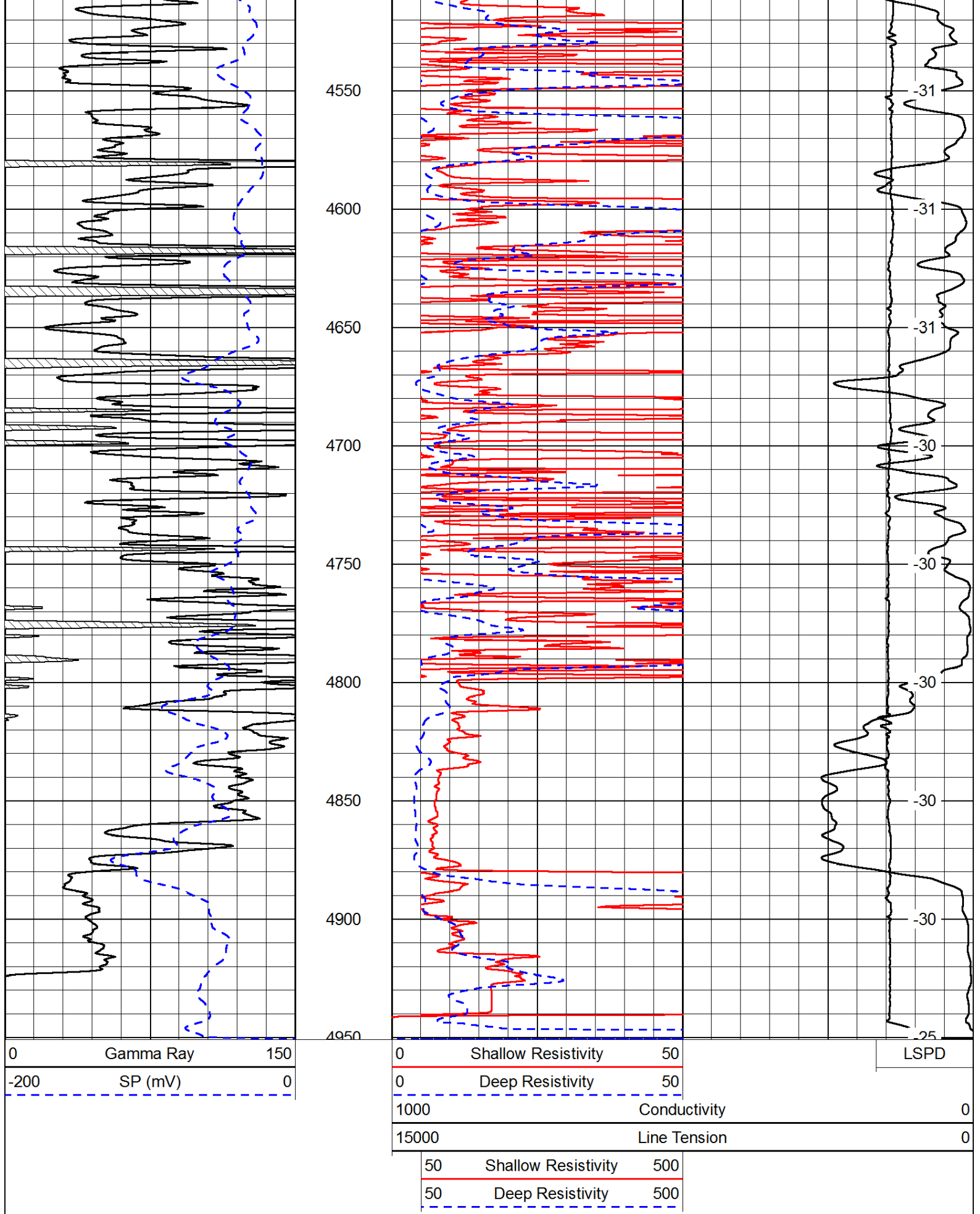








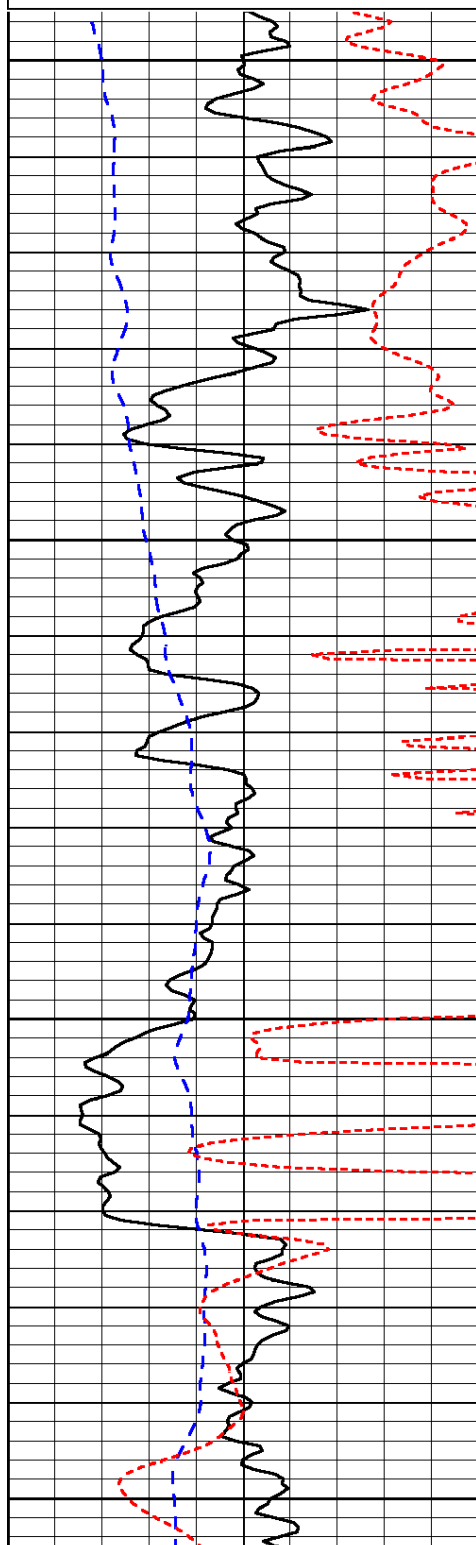




0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

LSPD

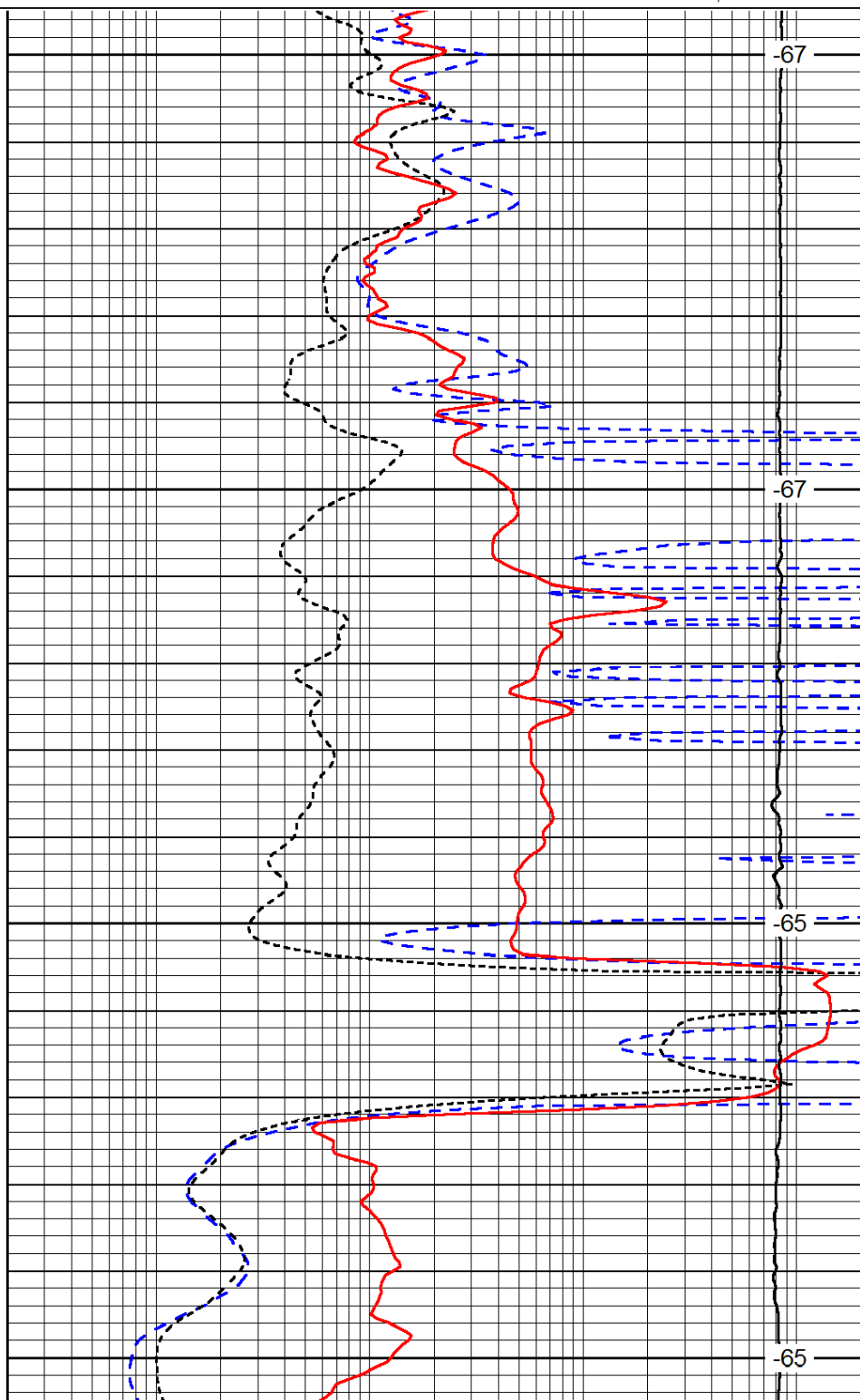


2350

2400

2450

2500



-67

-67

-65

-65

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

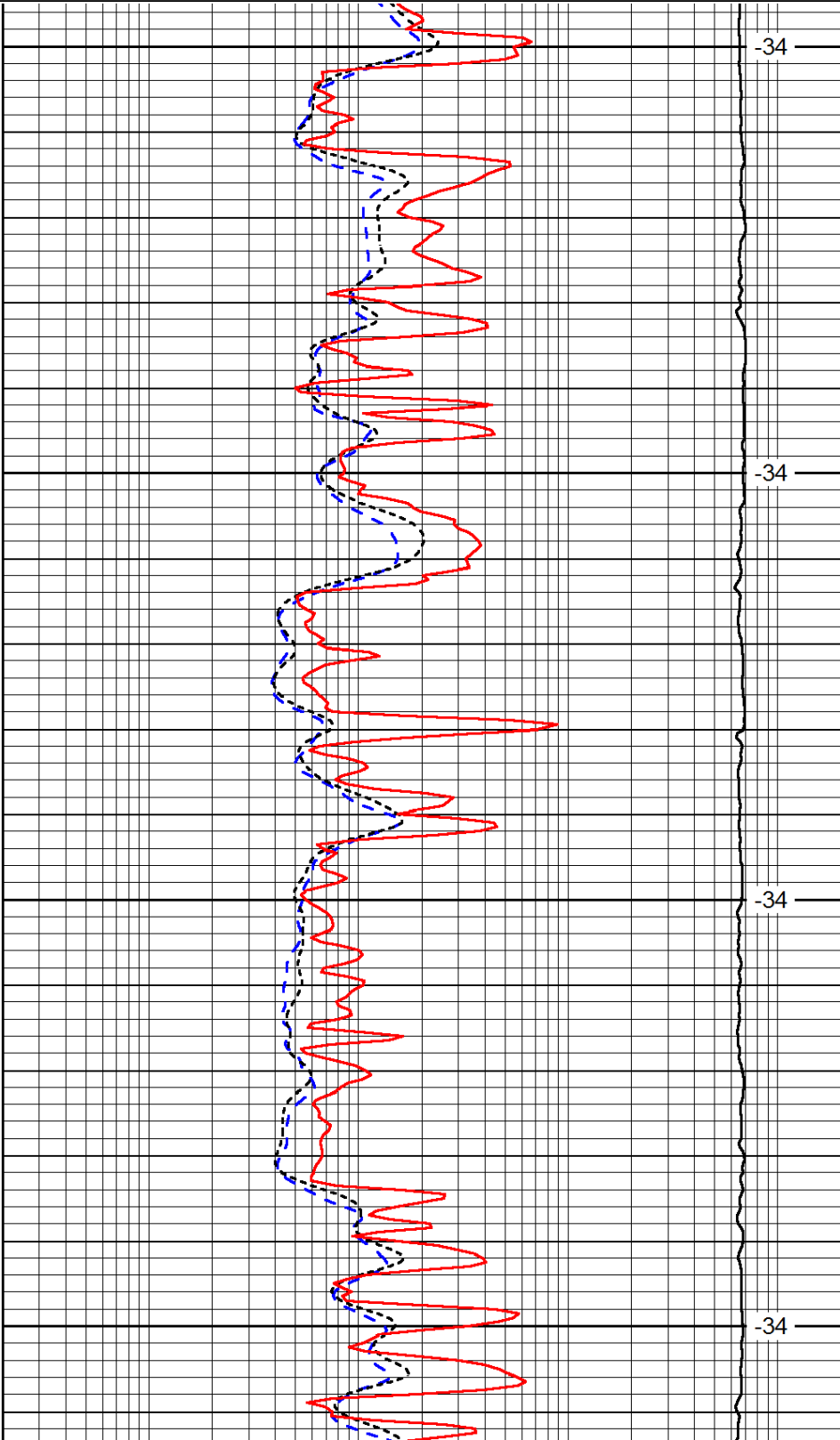
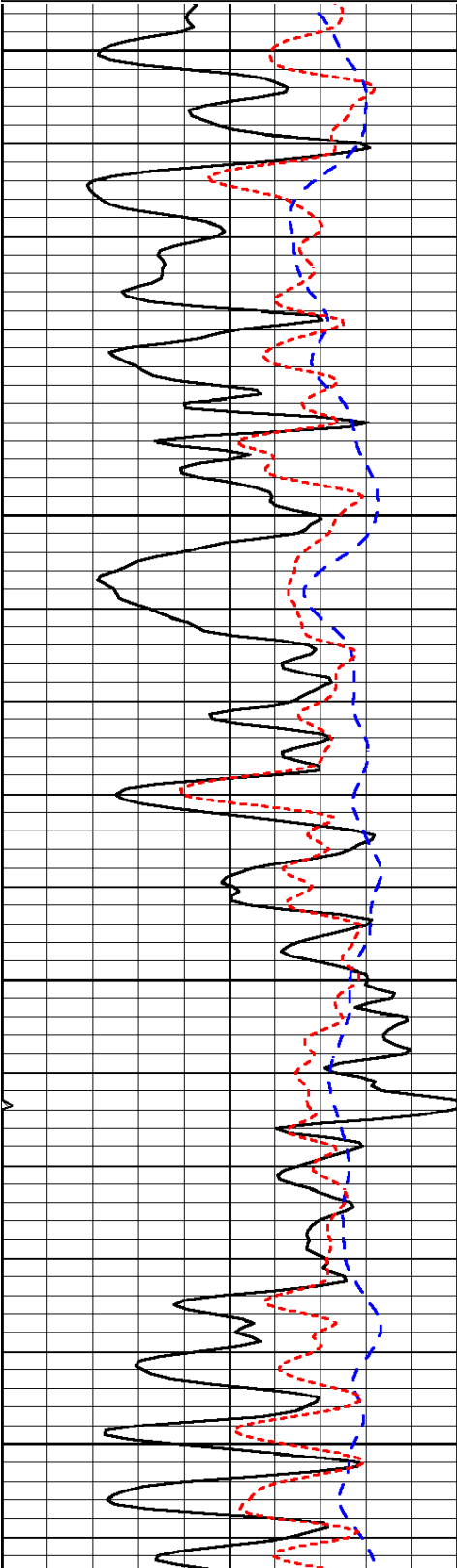
LSPD

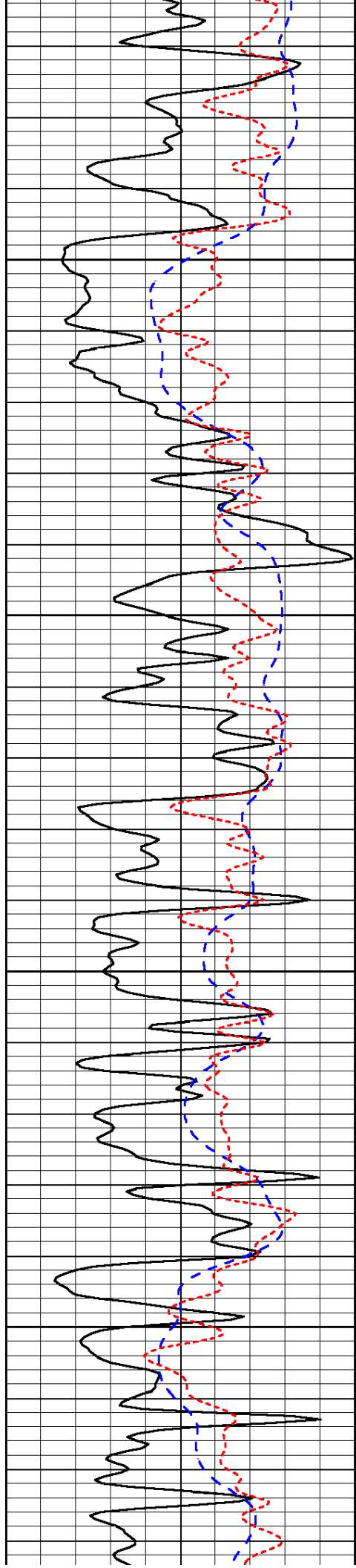
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Presentation Format: dil
Dataset Creation: Wed Jun 26 22:00:03 2013
Charted by: Depth in Feet scaled 1:240

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



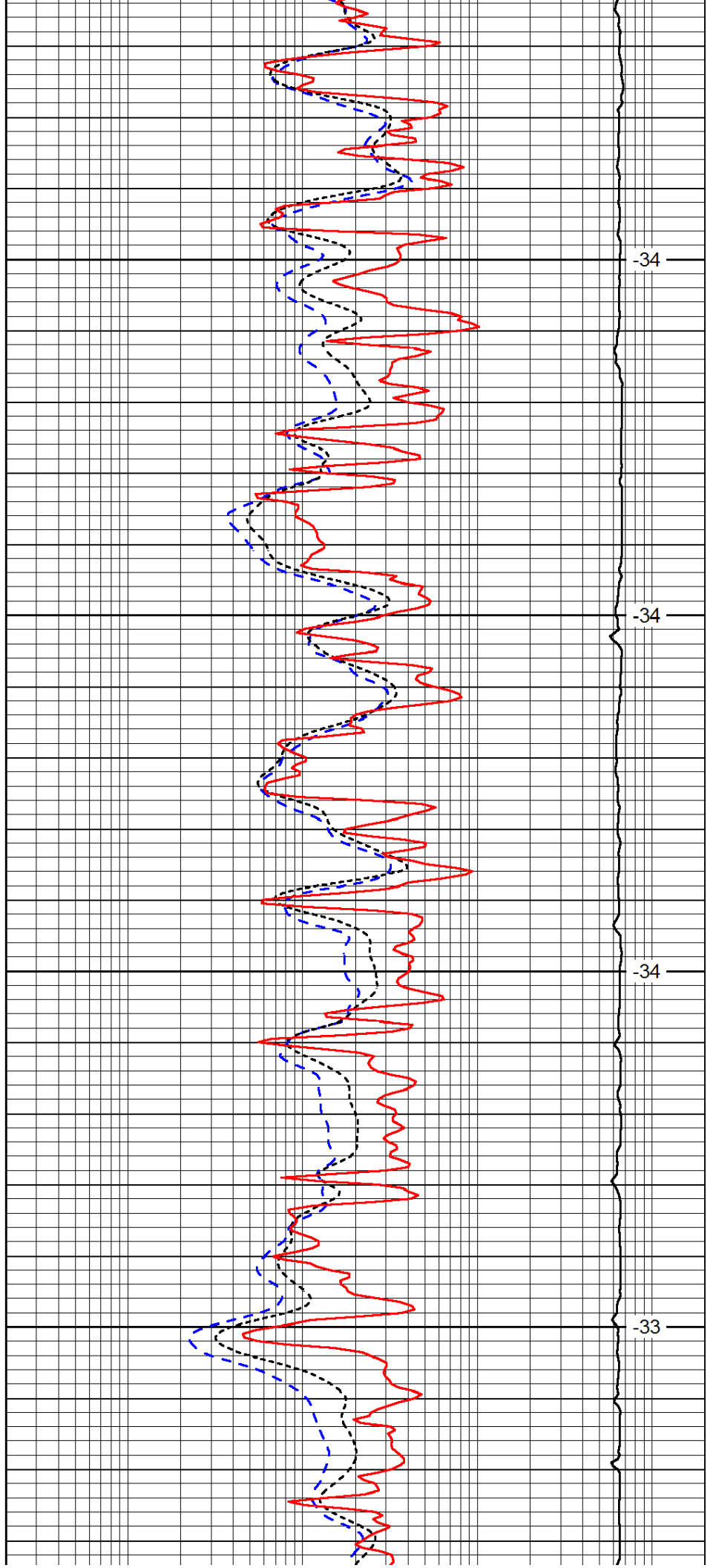


3700

3750

3800

3850

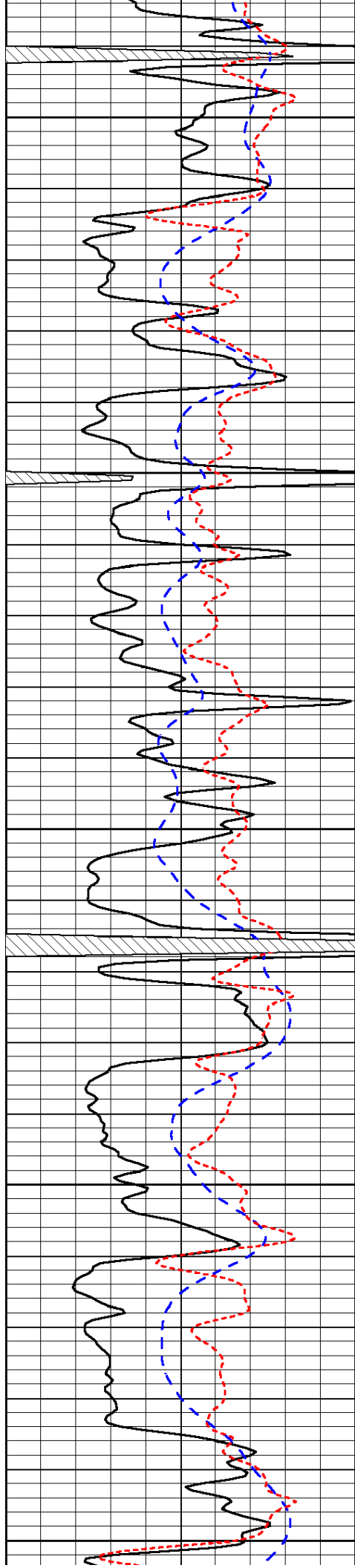


-34

-34

-34

-33



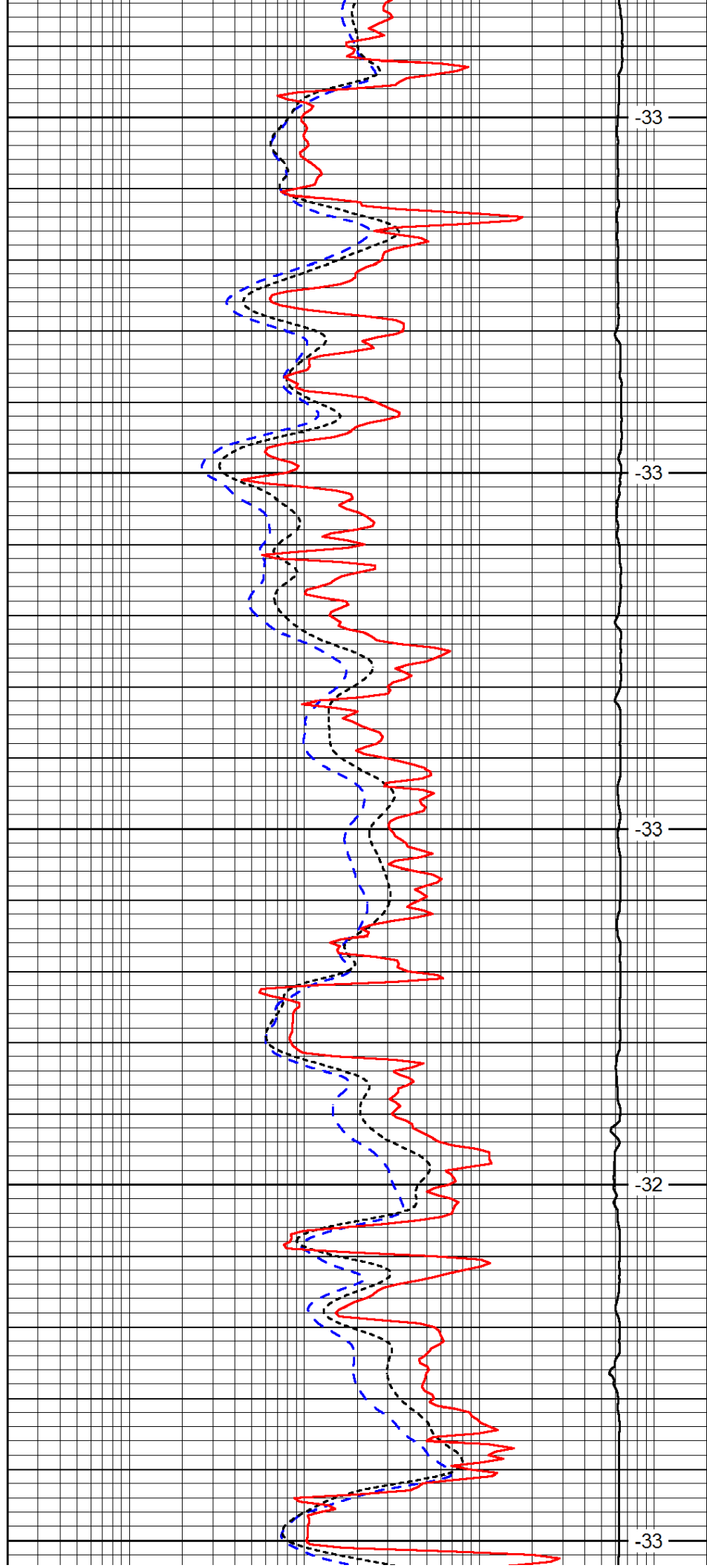
3900

3950

4000

4050

4100



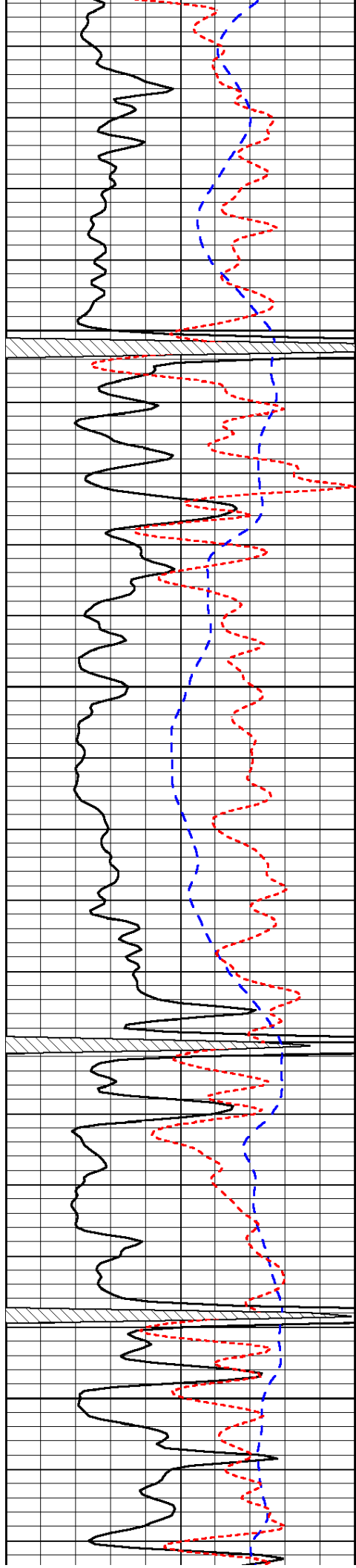
-33

-33

-33

-32

-33

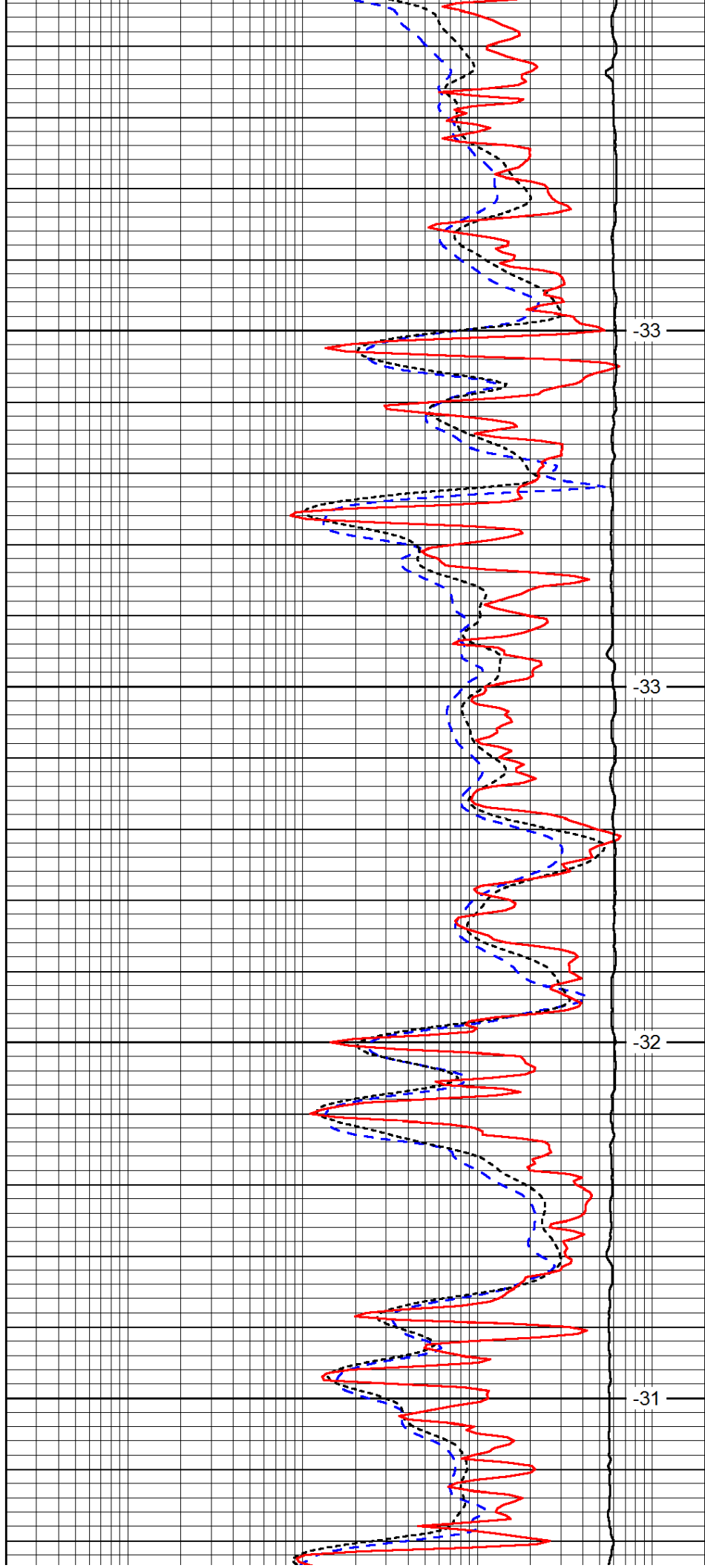


4150

4200

4250

4300

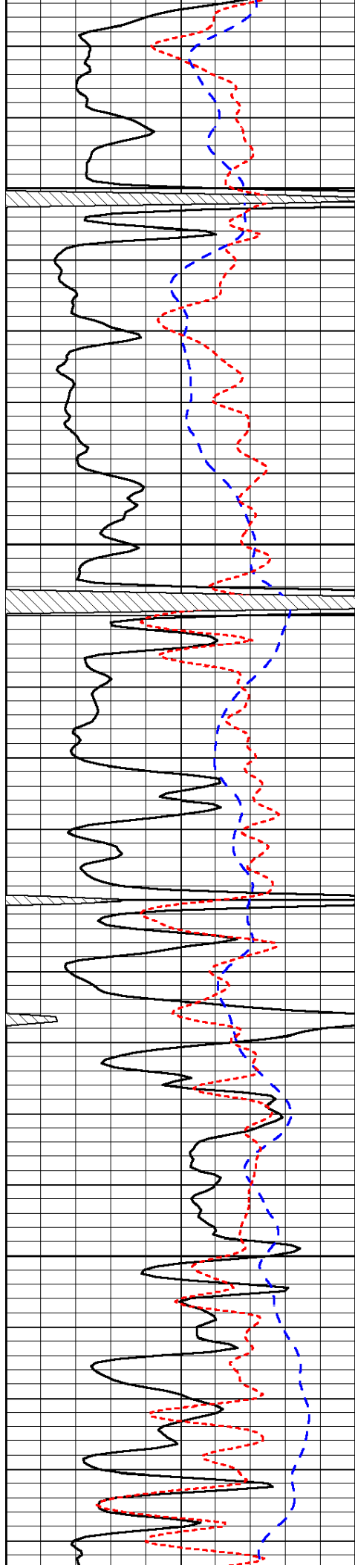


-33

-33

-32

-31

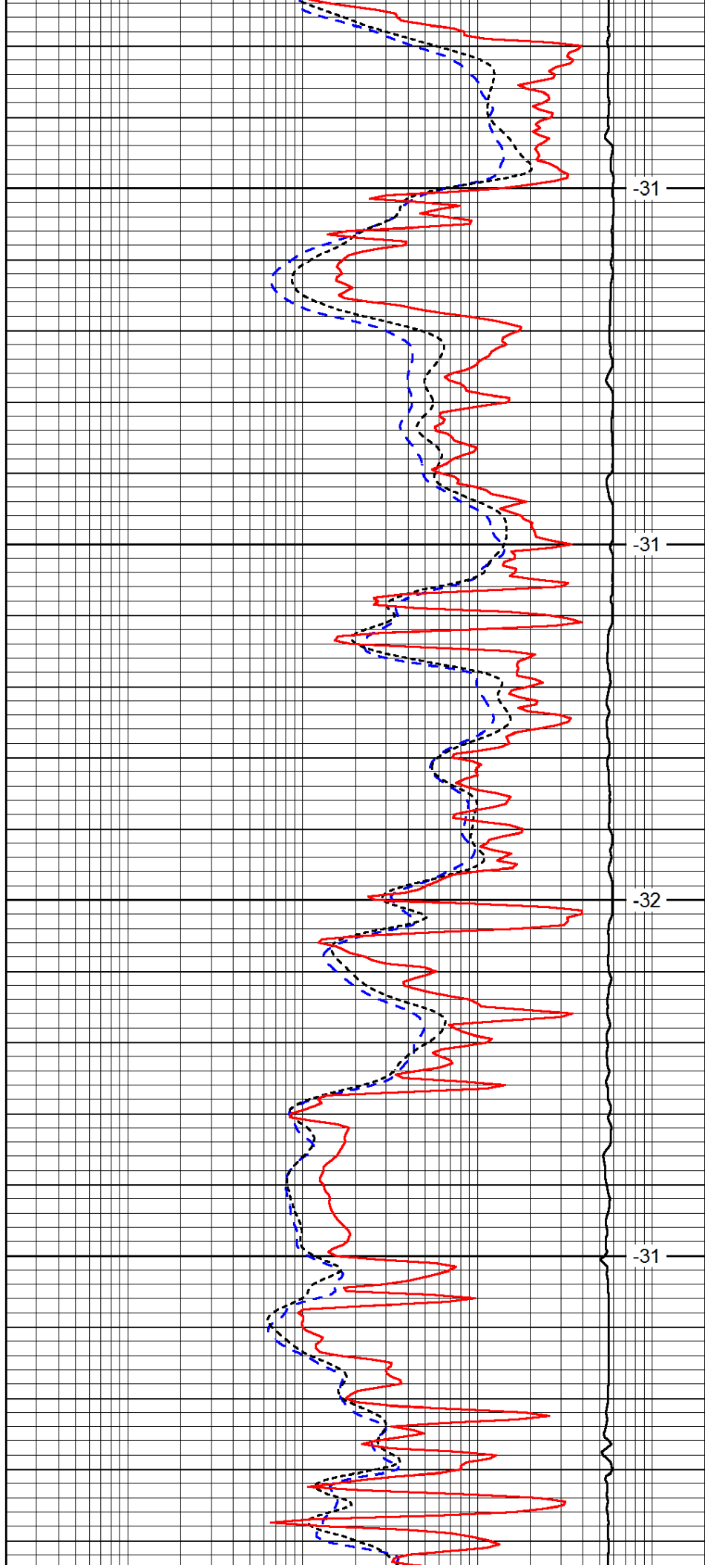


4350

4400

4450

4500

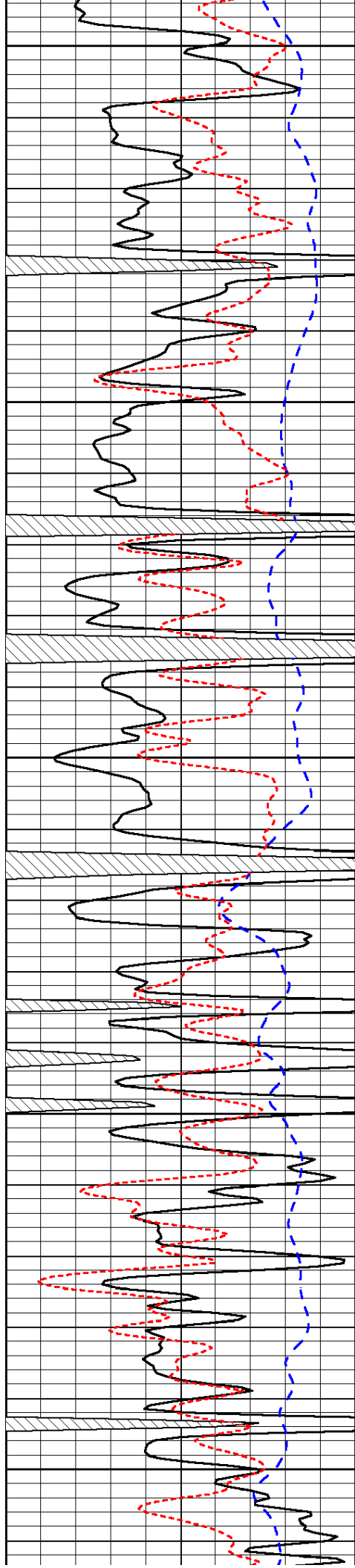


-31

-31

-32

-31



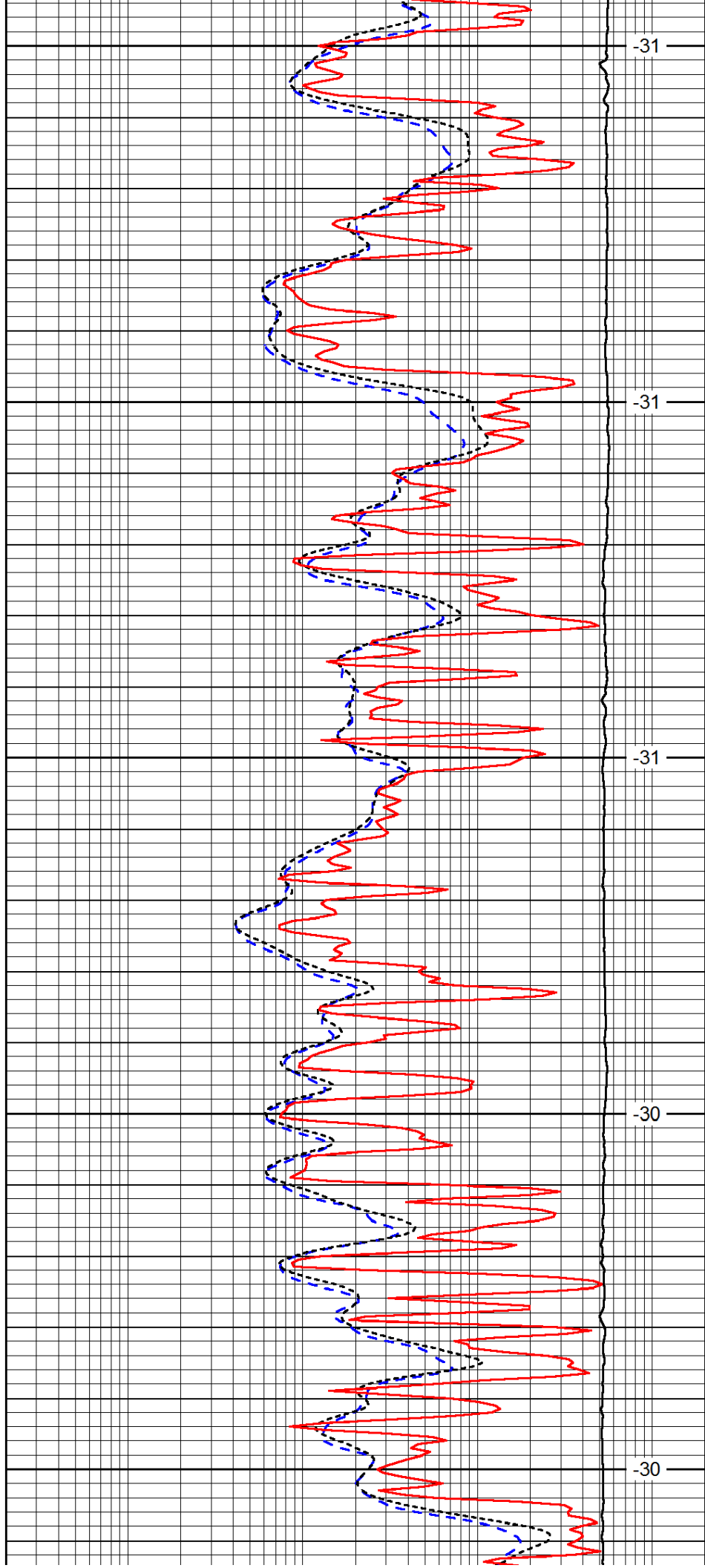
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4600

4650

4700

4750



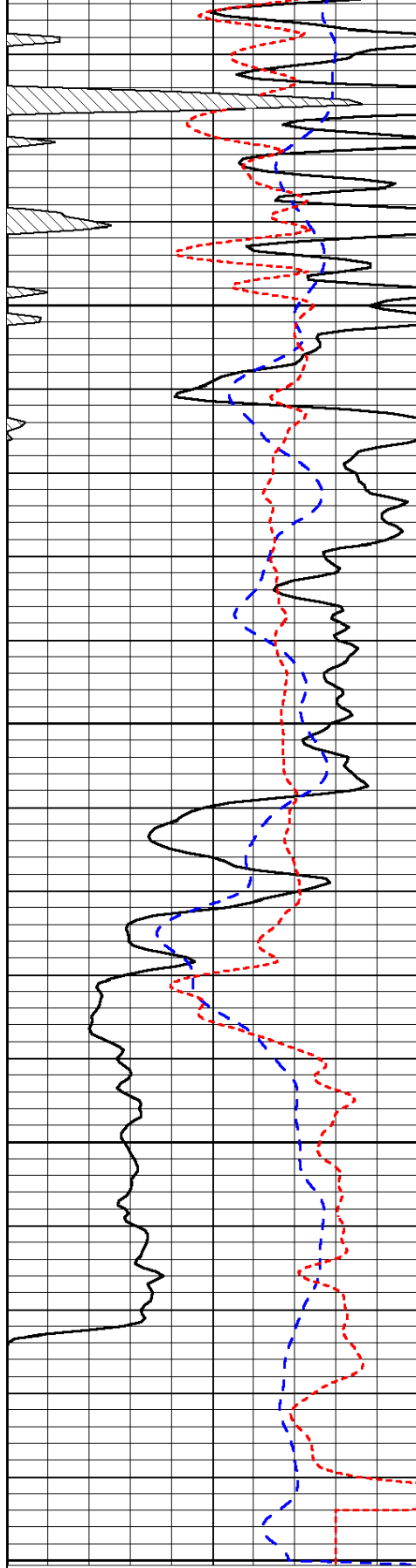
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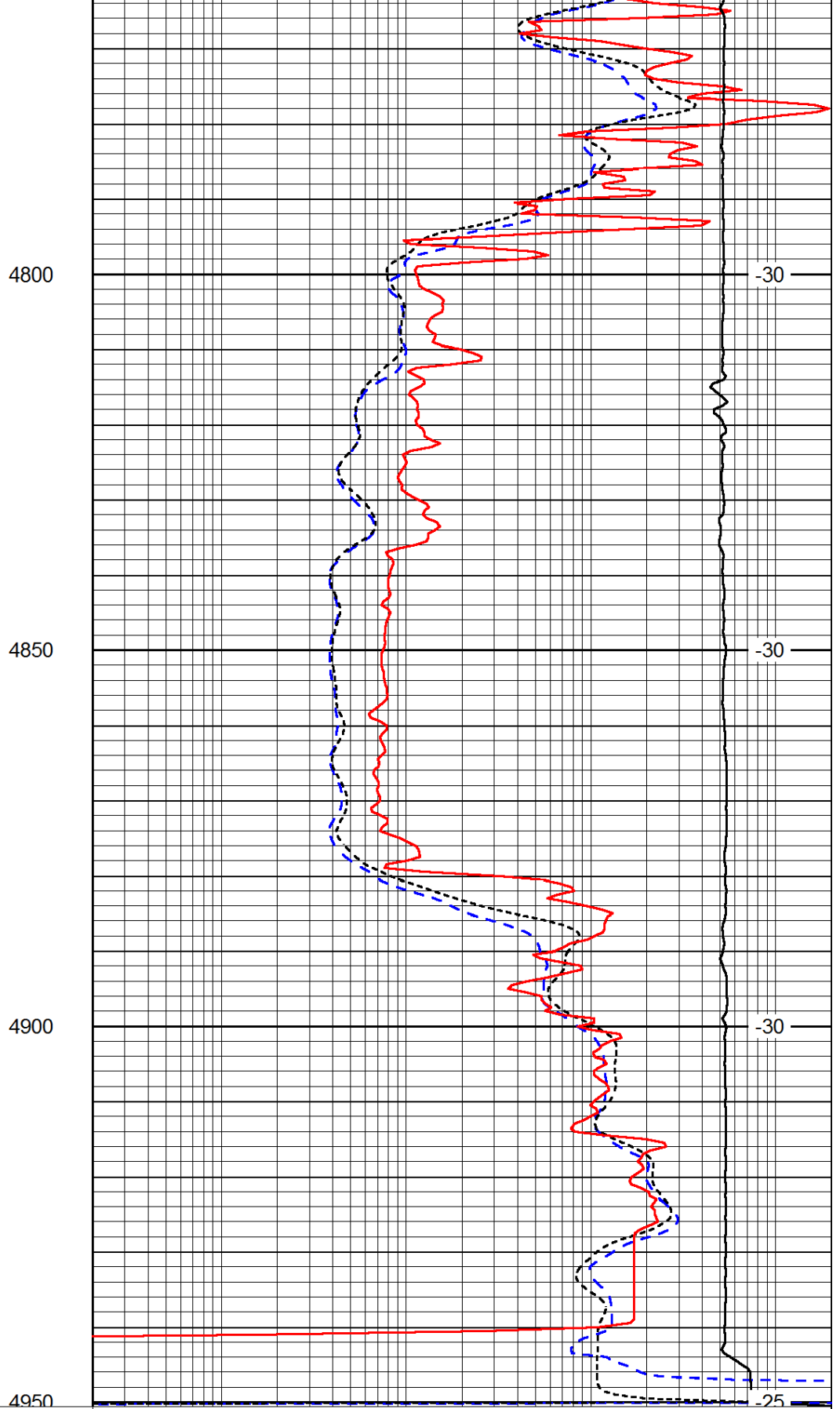
-31

-30

-30



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