



Dual Induction Log

Pioneer Energy Services

API No.	Company Val Energy, Inc.			
	Well Boucher 'V' #1-9 OWWO			
	Field Unknown			
	County	Cowley	State	Kansas
	Location	NE-NW-SE 2310' FSL & 3630' FWL		
	Sec: 9	Twp: 32S	Rge: 6E	Other Services CNL/CDL MEL
Permanent Datum	Ground Level		Elevation 1313	Elevation
Log Measured From	Kelly Bushing		10 Ft. Above Perm. Datum	K.B. 1323 D.F. 1313 G.L. 1313
Drilling Measured From	Kelly Bushing			
Date	9/20/2014			
Run Number	One			
Depth Driller	3429			
Depth Logger	3422			
Bottom Logged Interval	3421			
Top Log Interval	200			
Casing Driller	8.625 @ 200			
Casing Logger	208			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	2,400			
Density / Viscosity	8.9 53			
pH / Fluid Loss	11.0 8.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.3 @ 86			
Rmf @ Meas. Temp	.98 @ 86			
Rmc @ Meas. Temp	1.76 @ 86			
Source of Rmf / Rmc	Charts			
Rm @ BHT	1.01 @ 110			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	110			
Equipment Number	15			
Location	Hays			
Recorded By	J. Henrickson			
Witnessed By	Joe Baker			

<<< Fold Here >>>

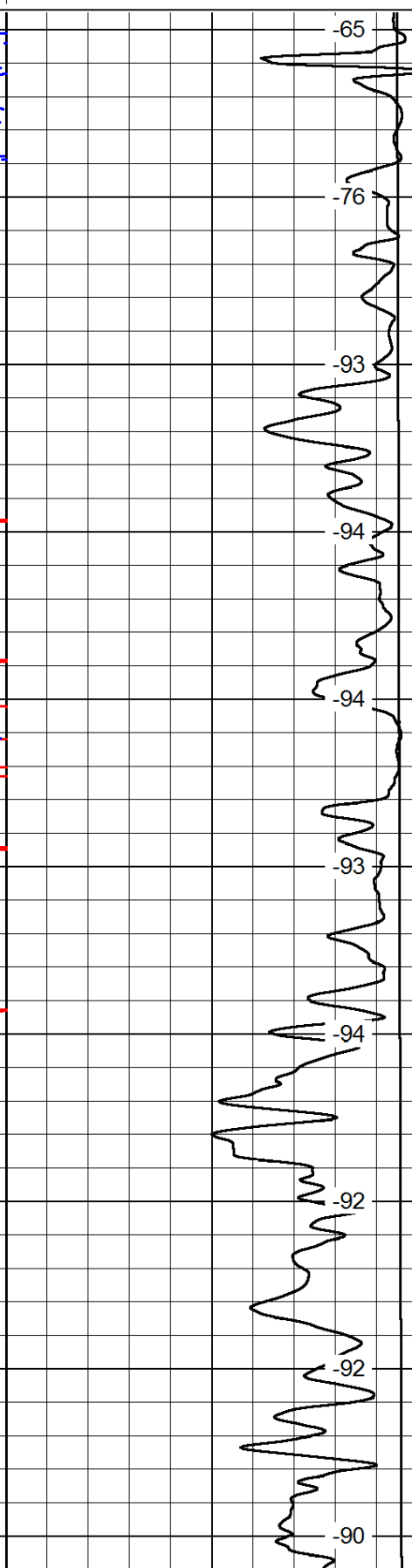
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

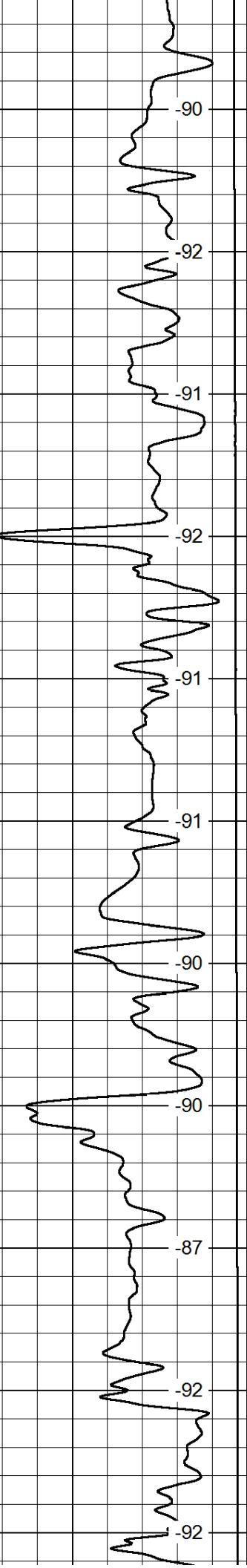
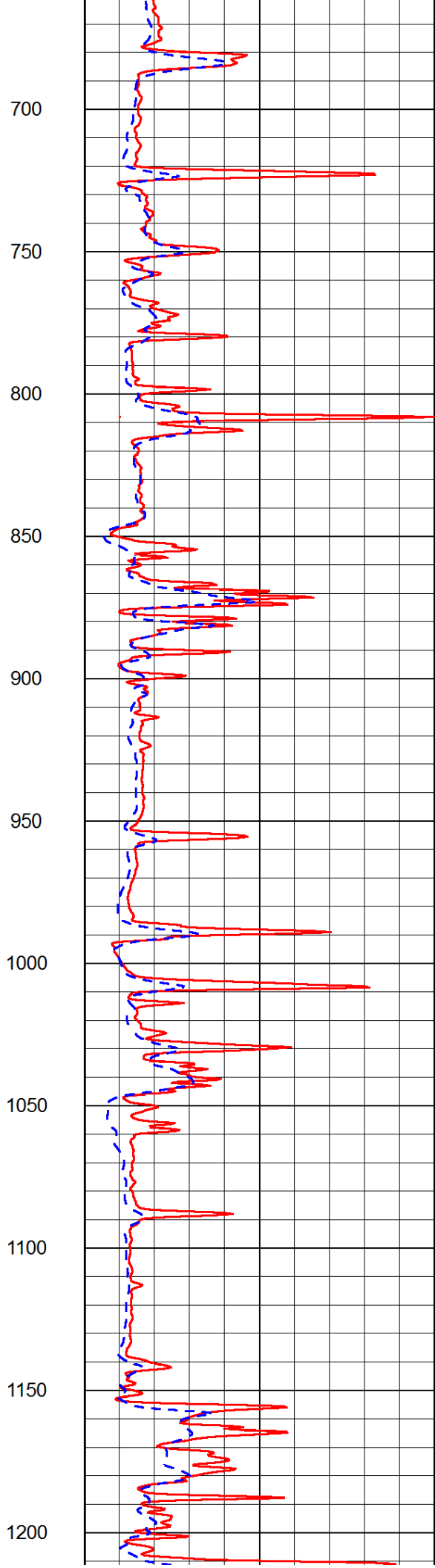
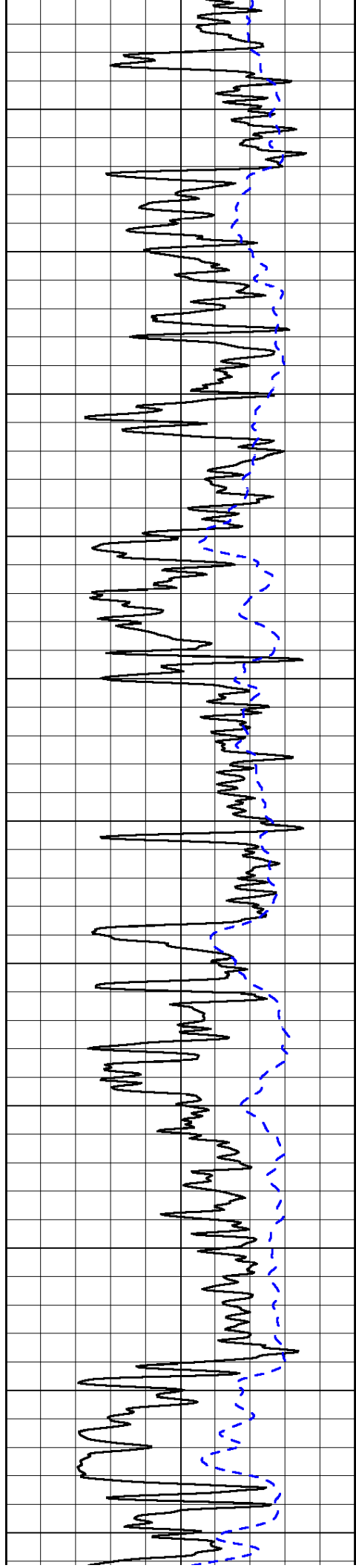
Comments

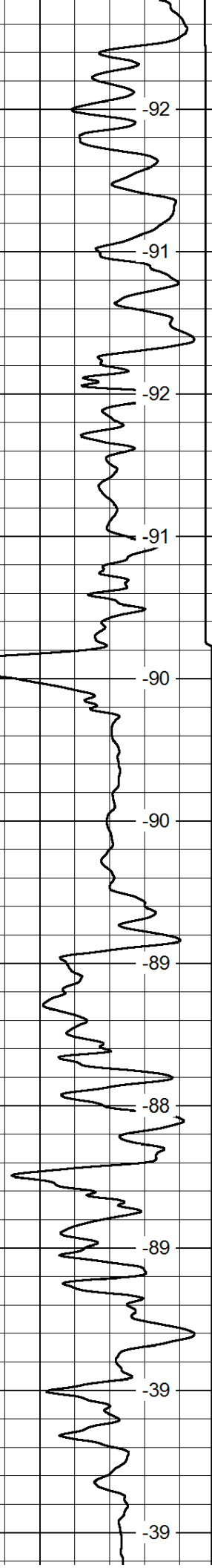
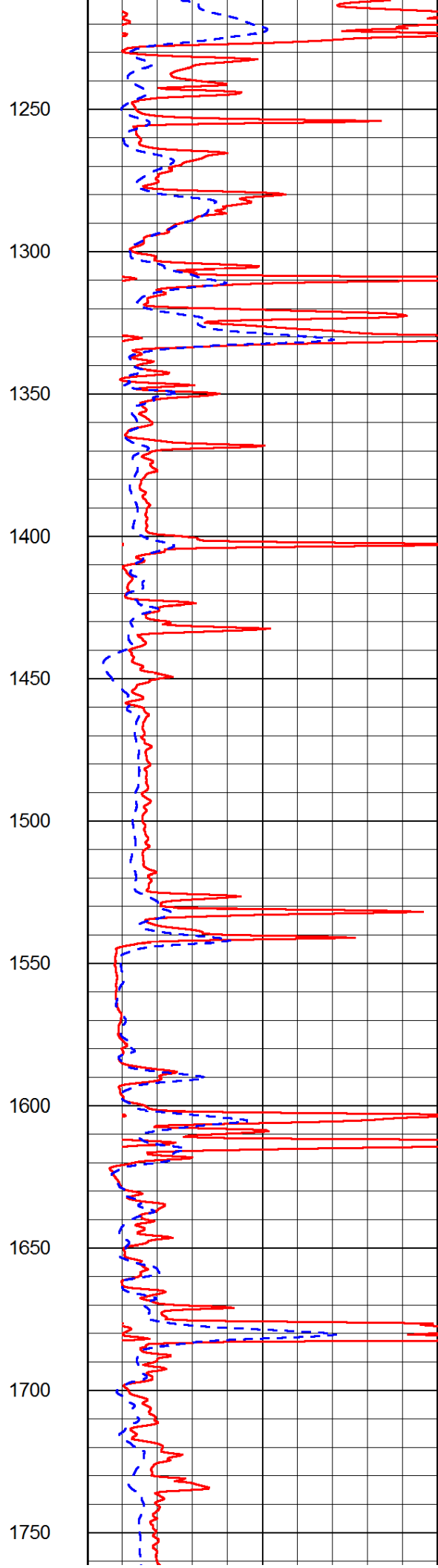
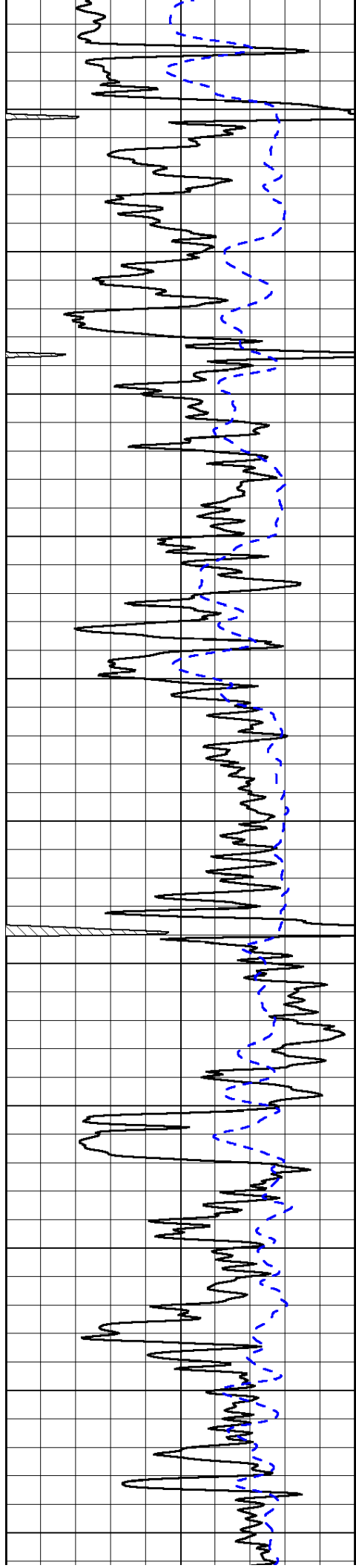
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

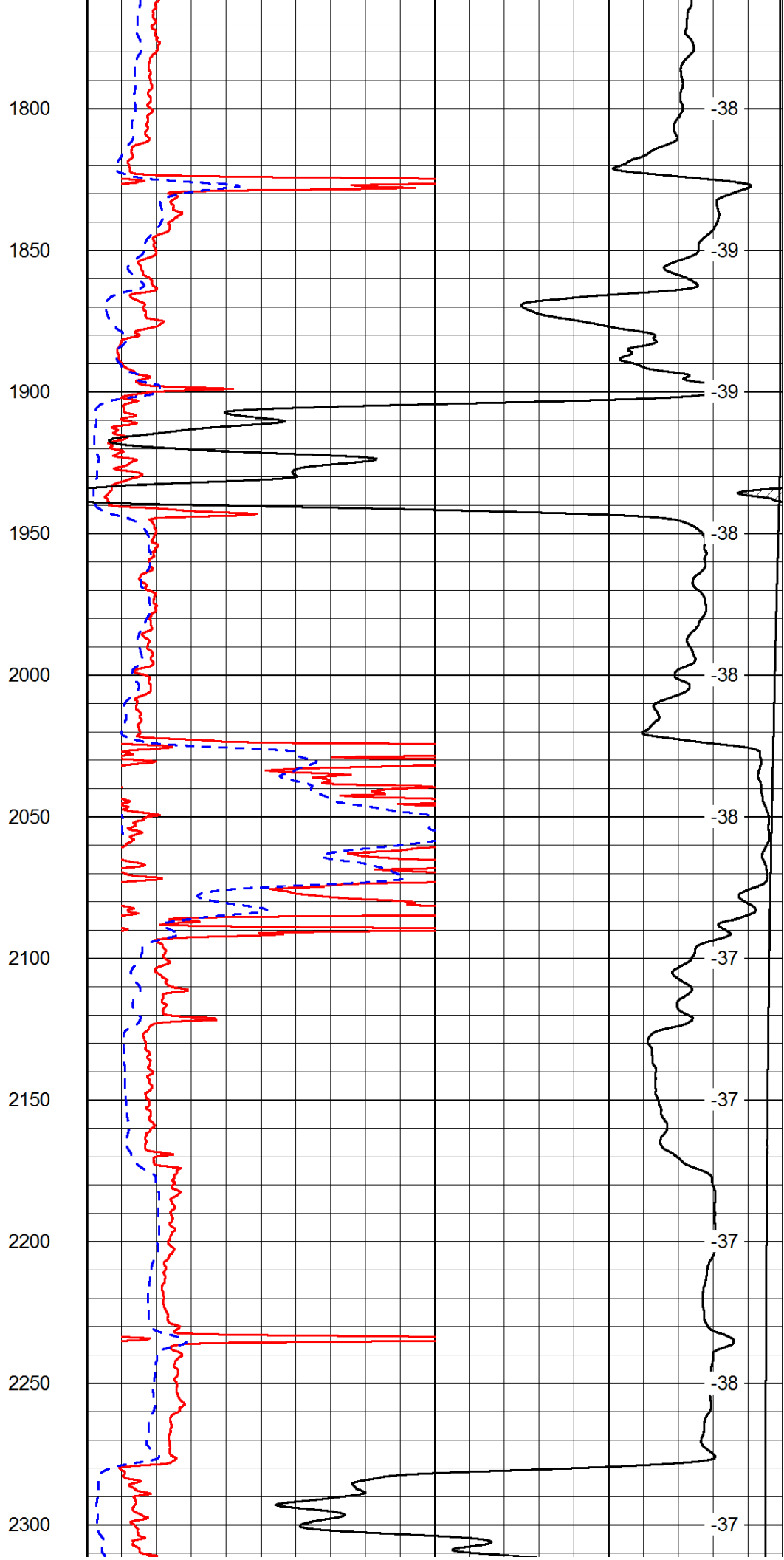
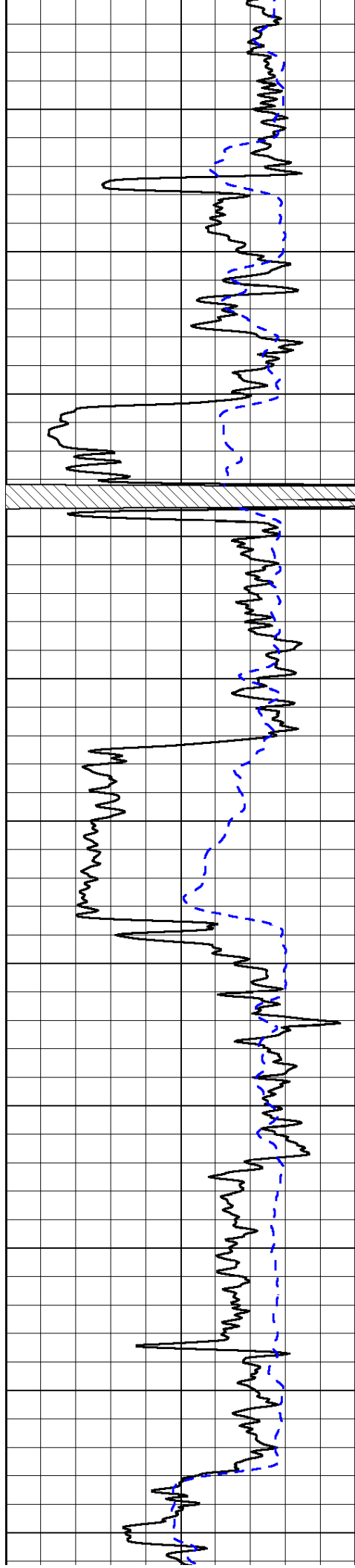
Winfield Kansas
East on 160, Follow 160 back to North for 2.2 Miles, West Into

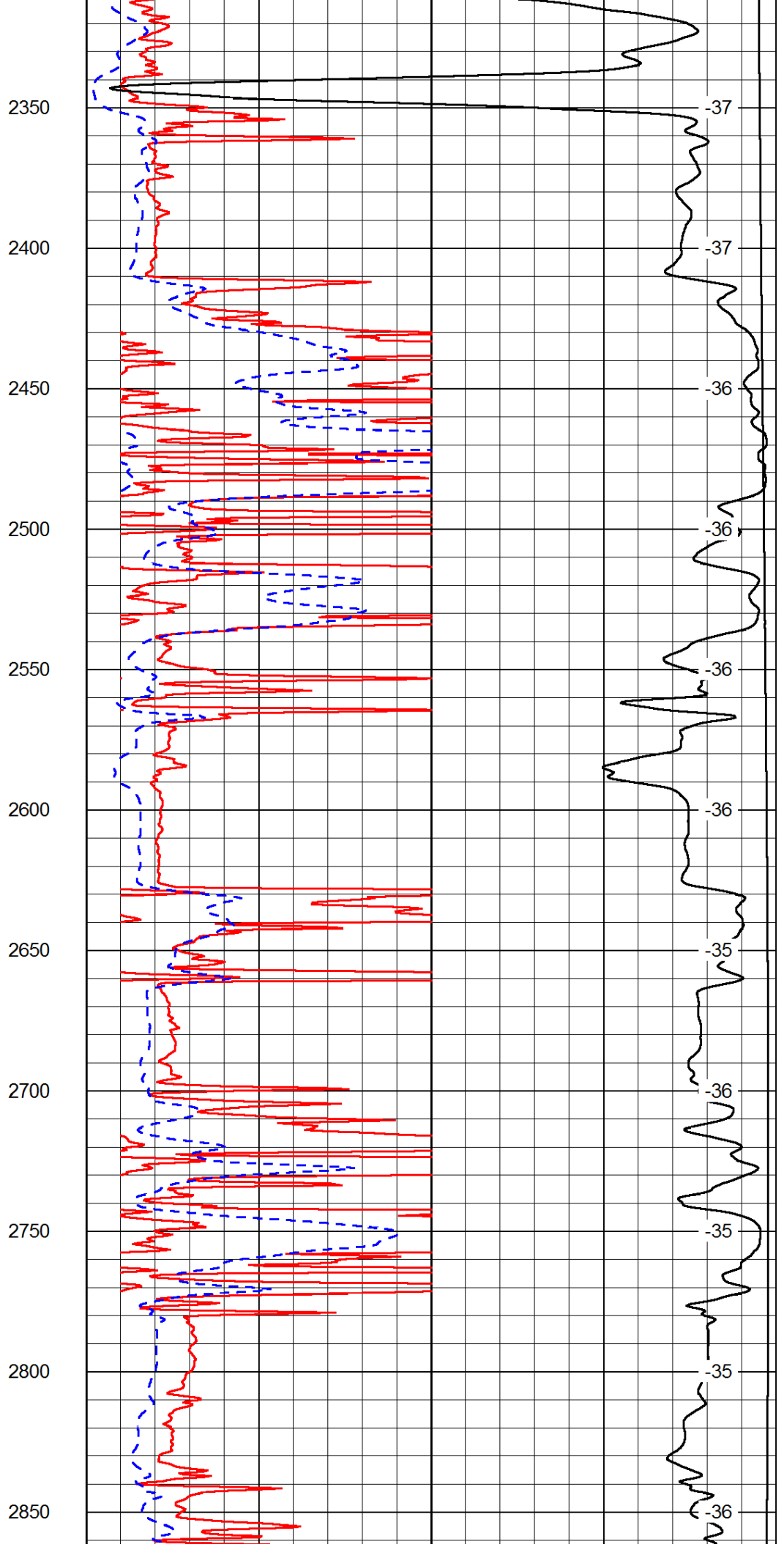
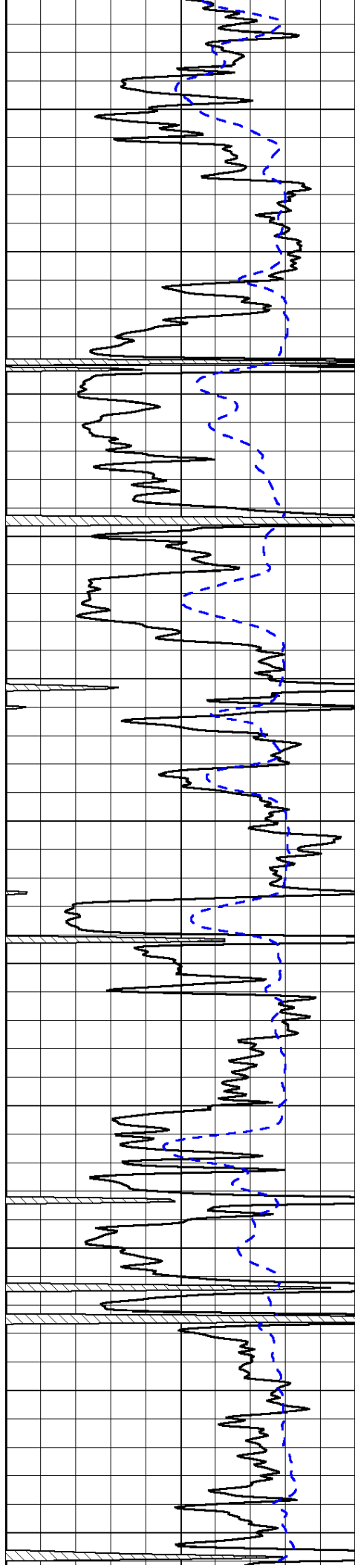
Database File: c:\warrior\data\val_boucher 'v' #1-9 owwo\val_boucher_v_1_9_owwohd.db
Dataset Pathname: DIL\valstk
Presentation Format: dil2in
Dataset Creation: Sat Sep 20 20:41:14 2014
Charted by: Depth in Feet scaled 1:600

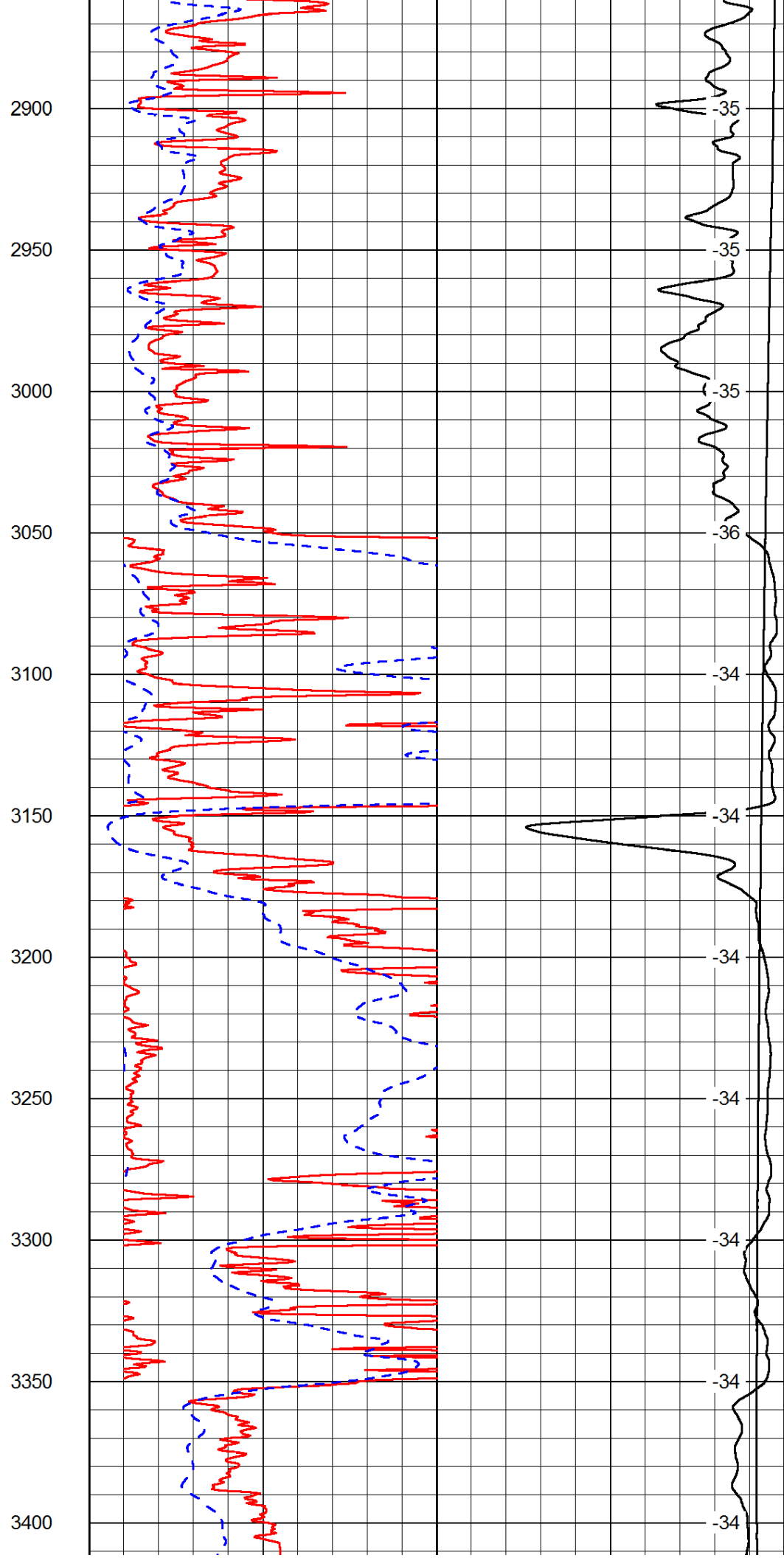
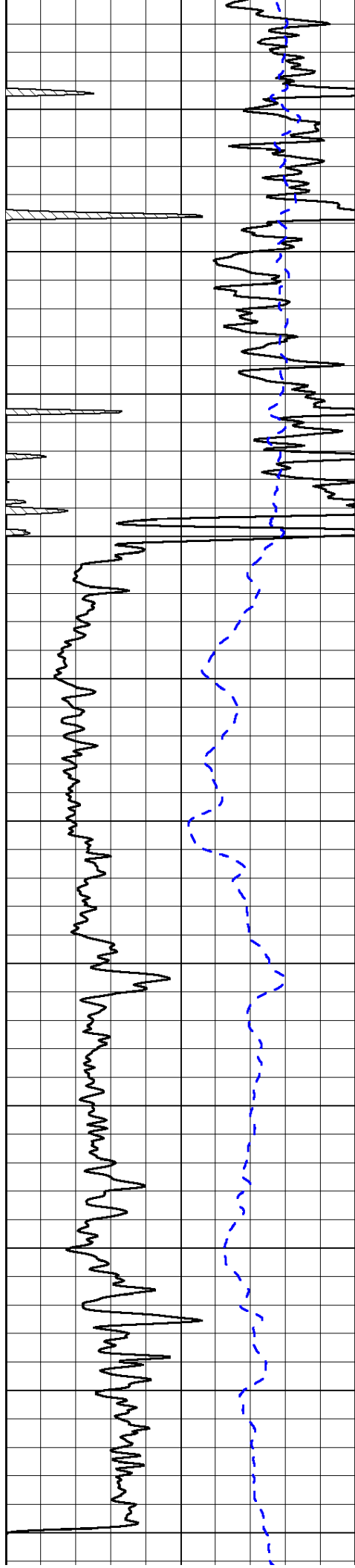


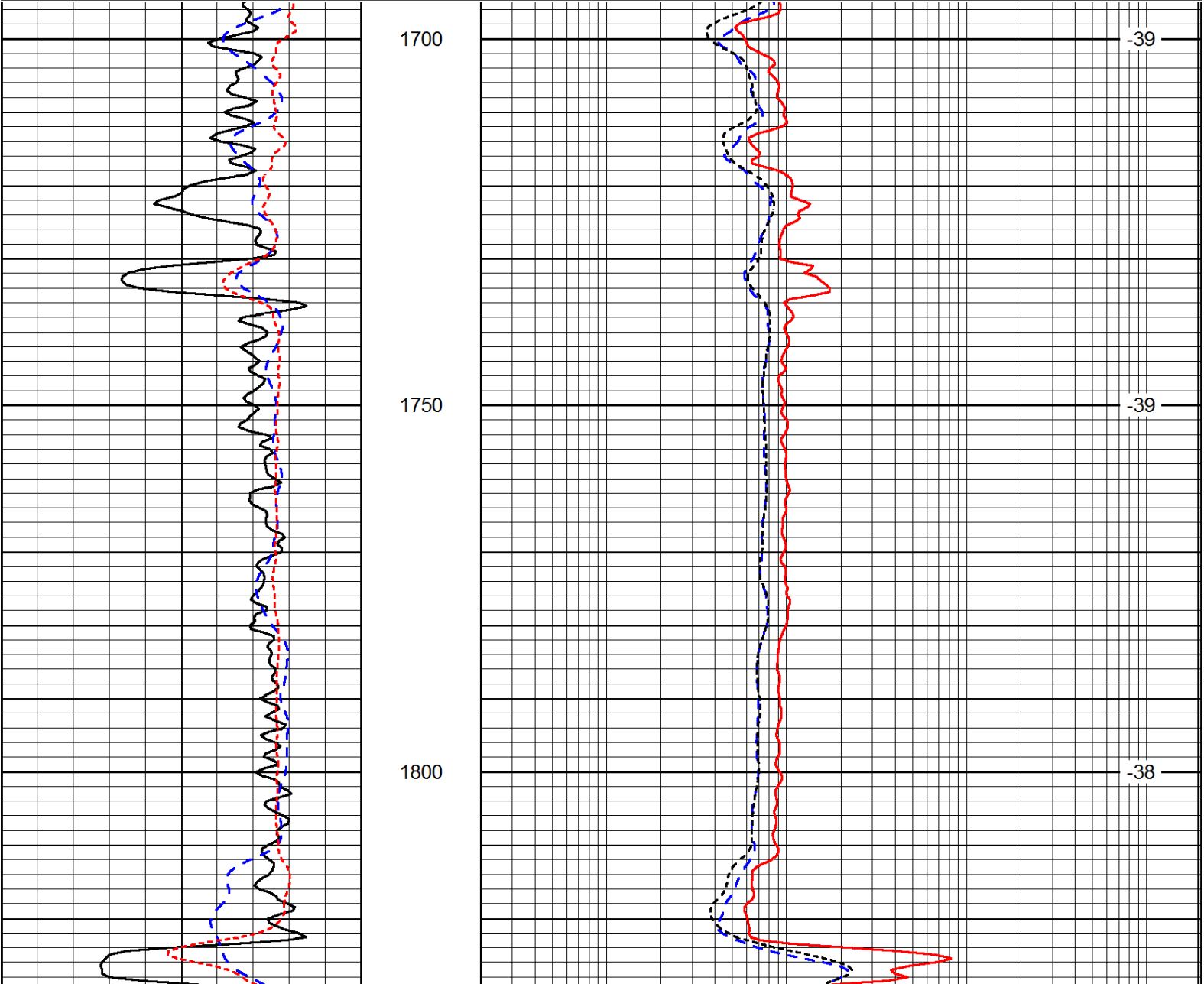
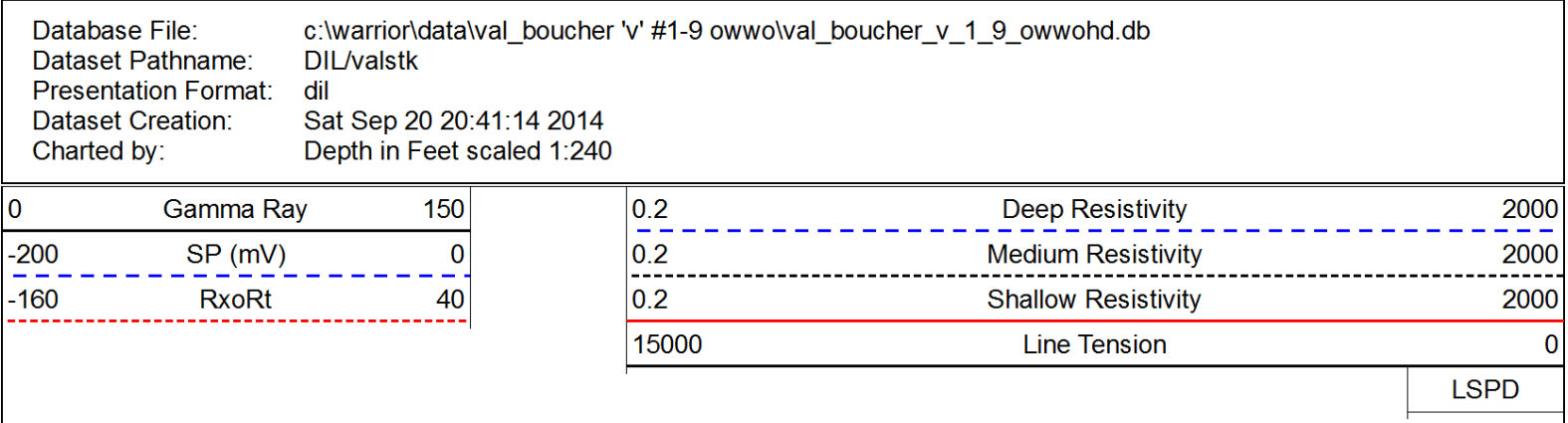
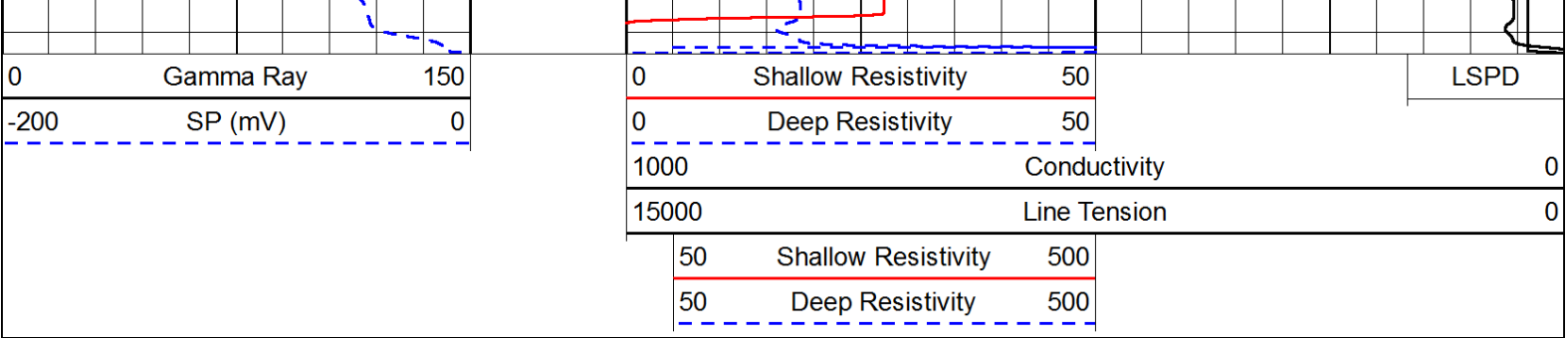


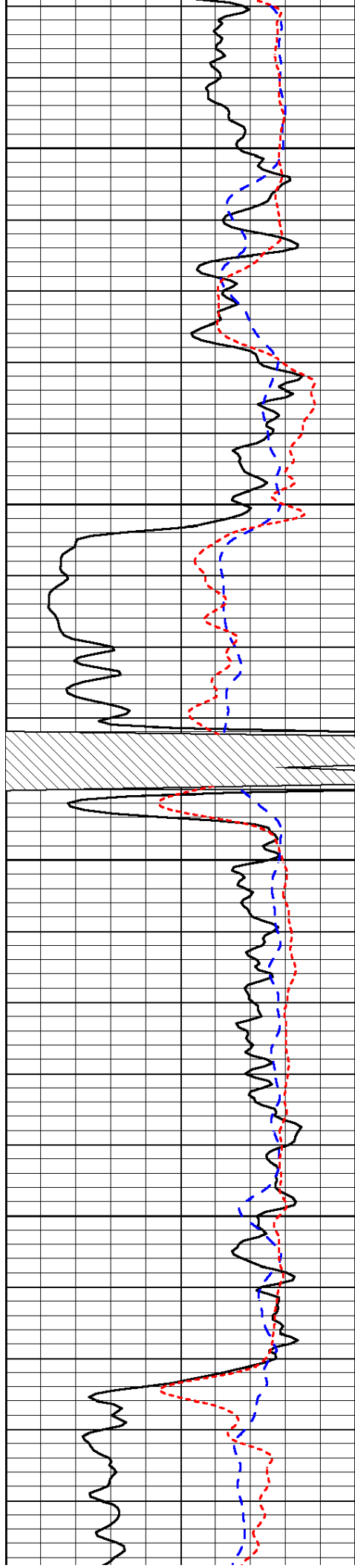










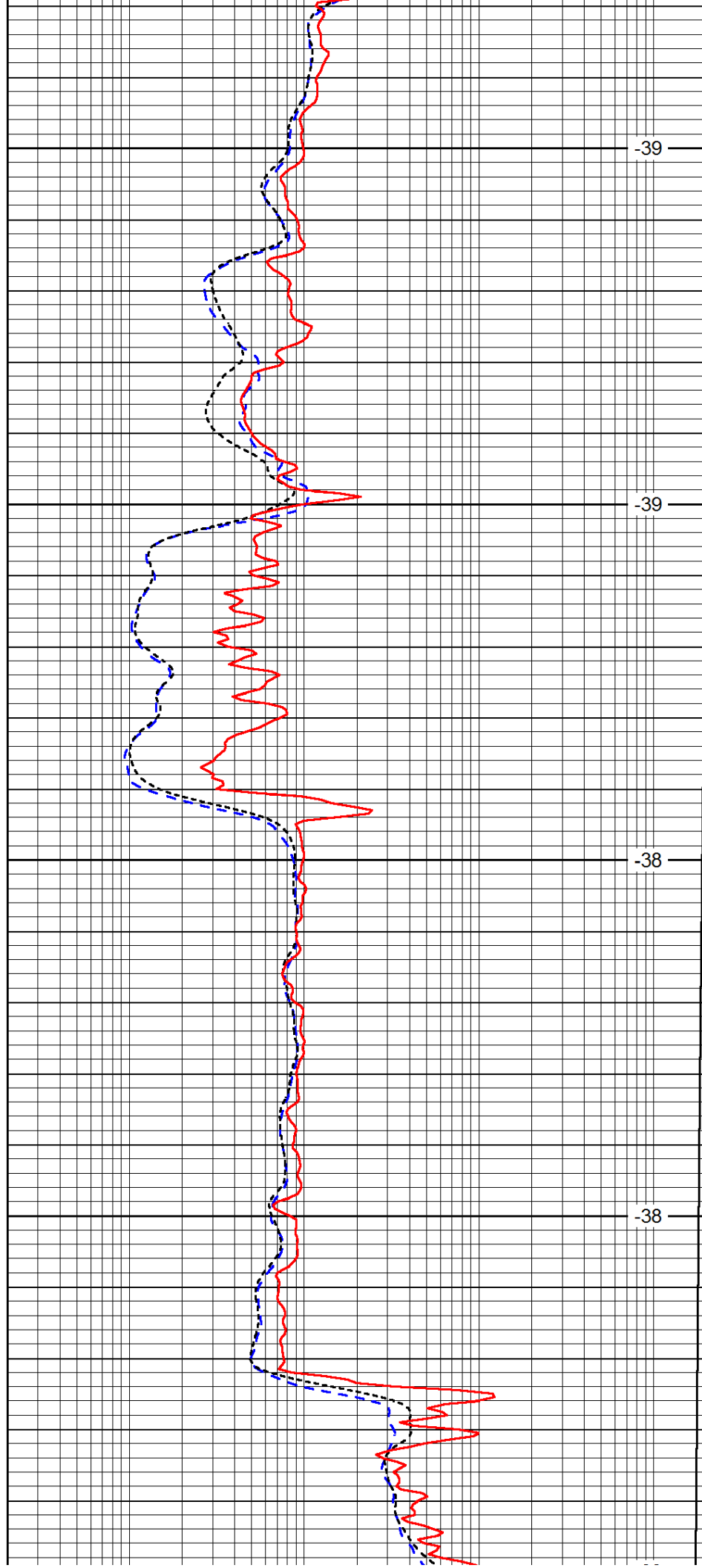


1850

1900

1950

2000

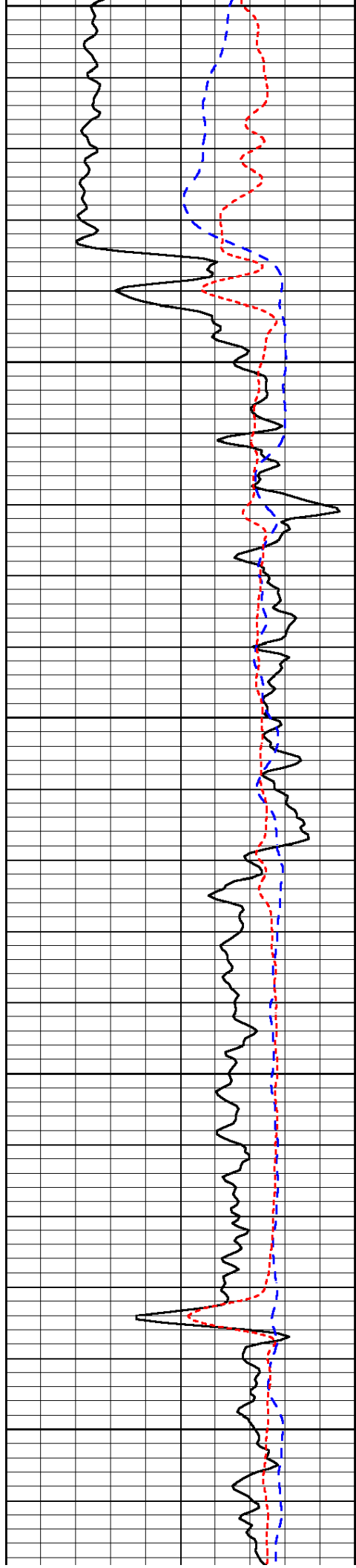


-39

-39

-38

-38



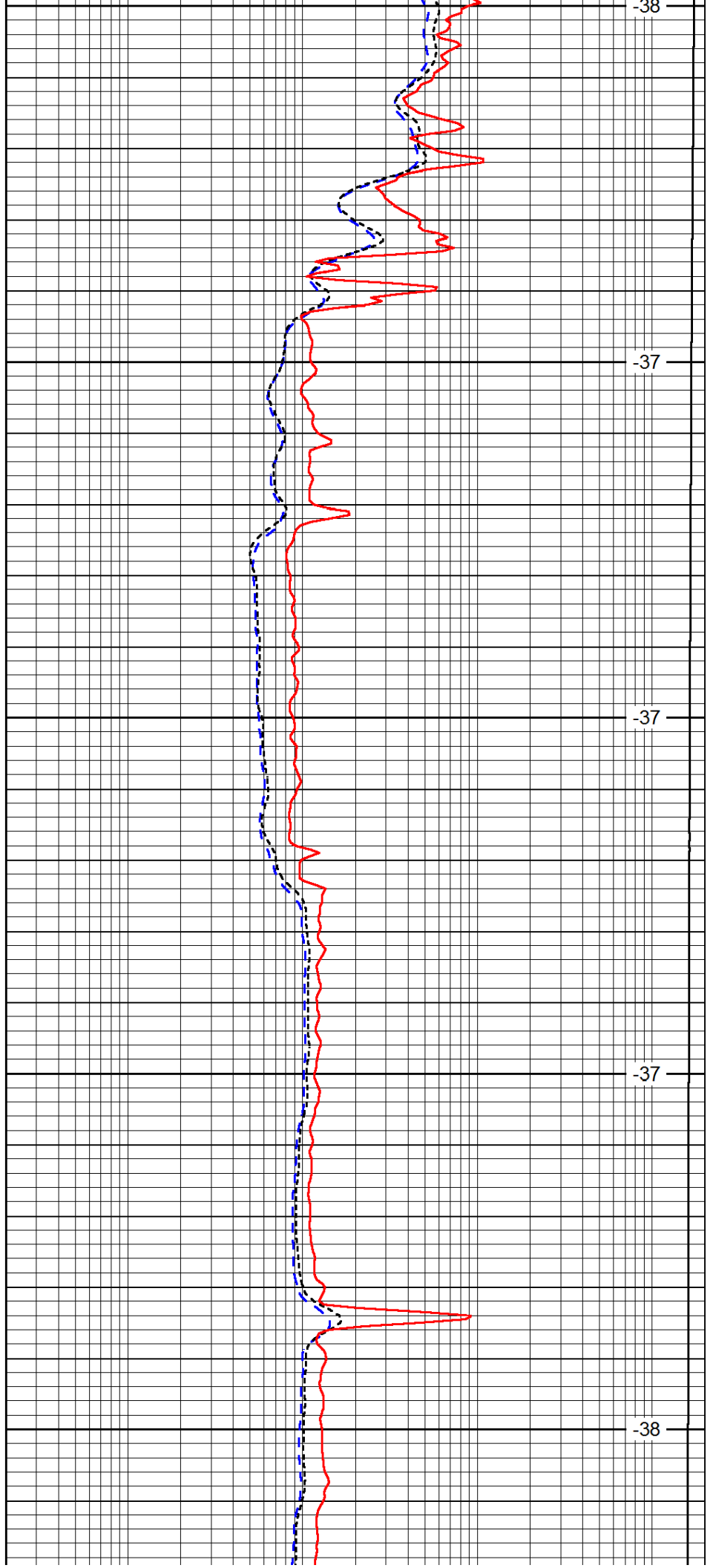
2050

2100

2150

2200

2250



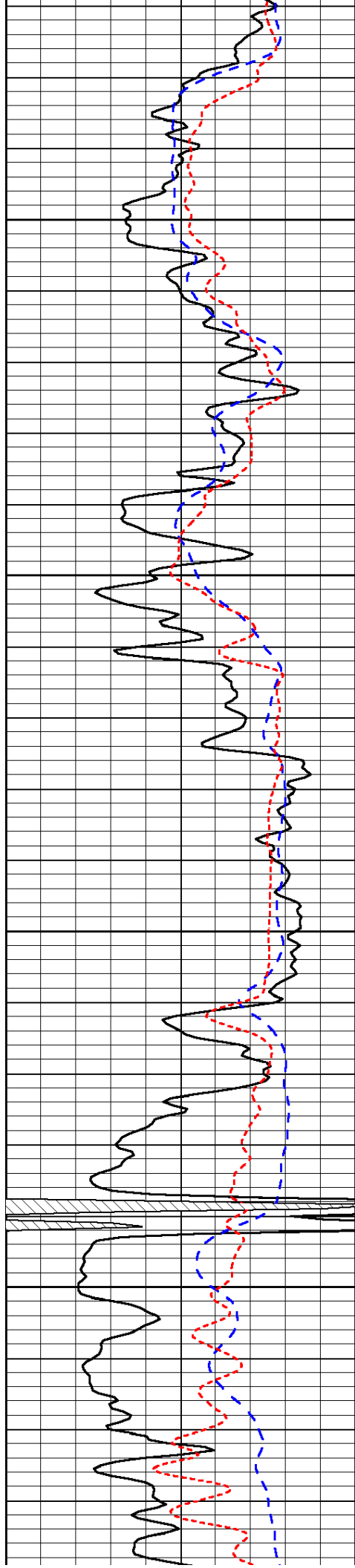
-38

-37

-37

-37

-38

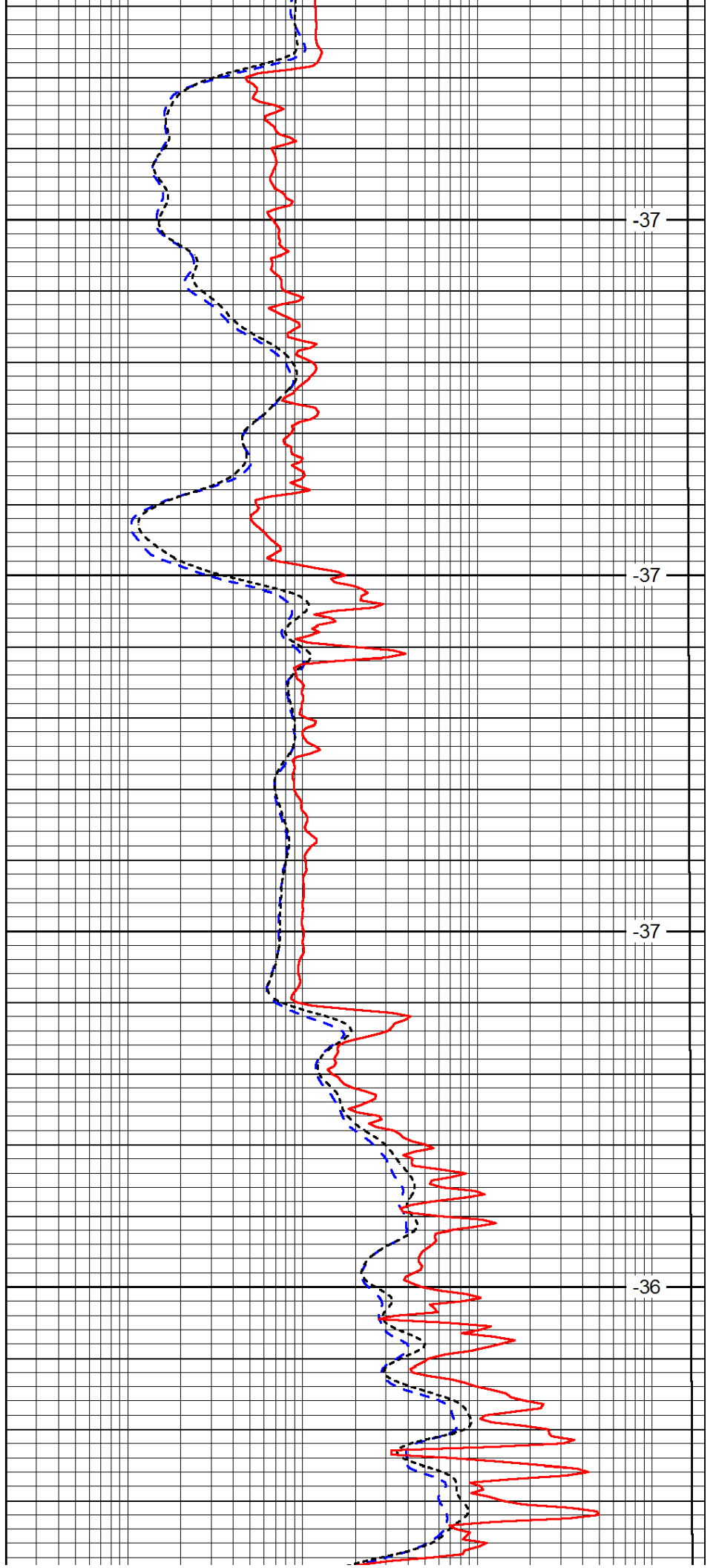


2300

2350

2400

2450

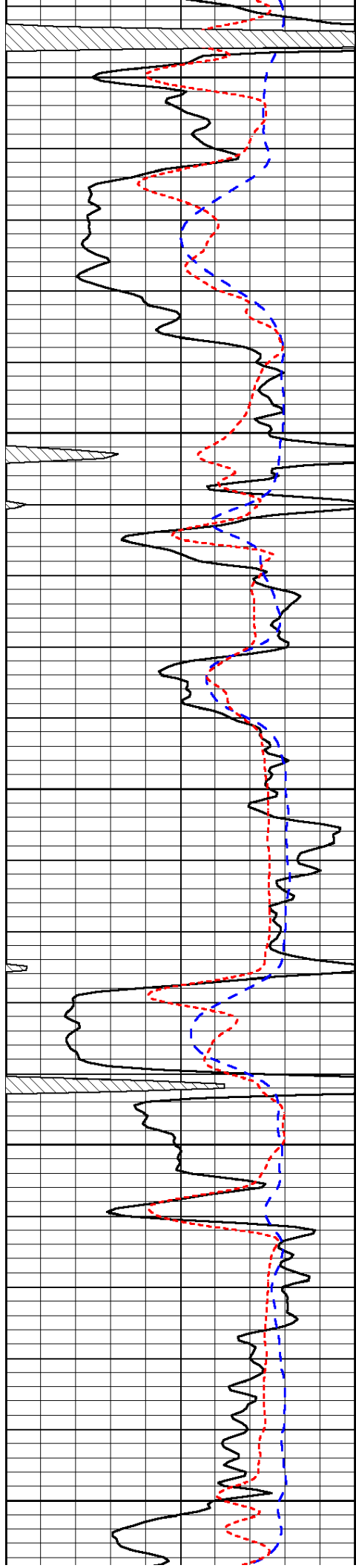


-37

-37

-37

-36



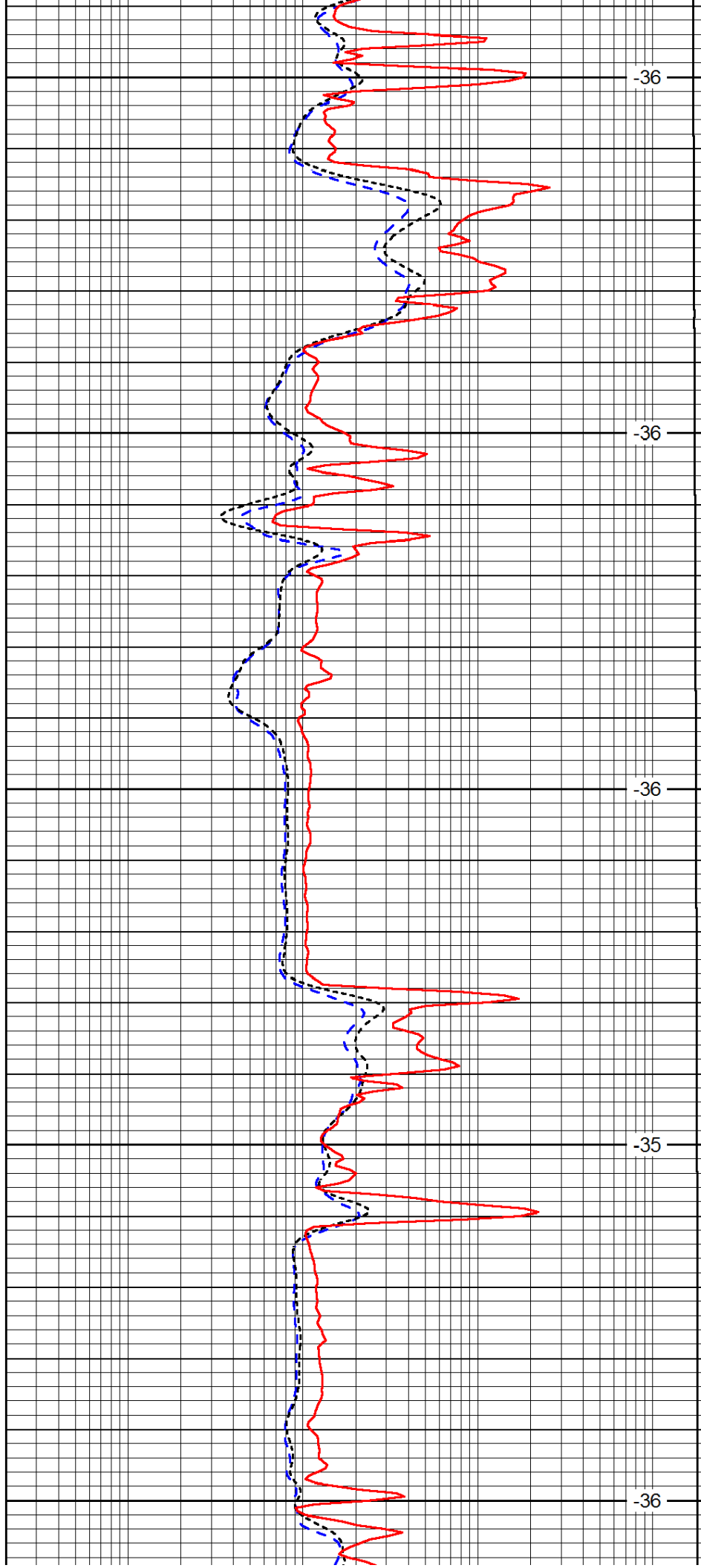
2500

2550

2600

2650

2700



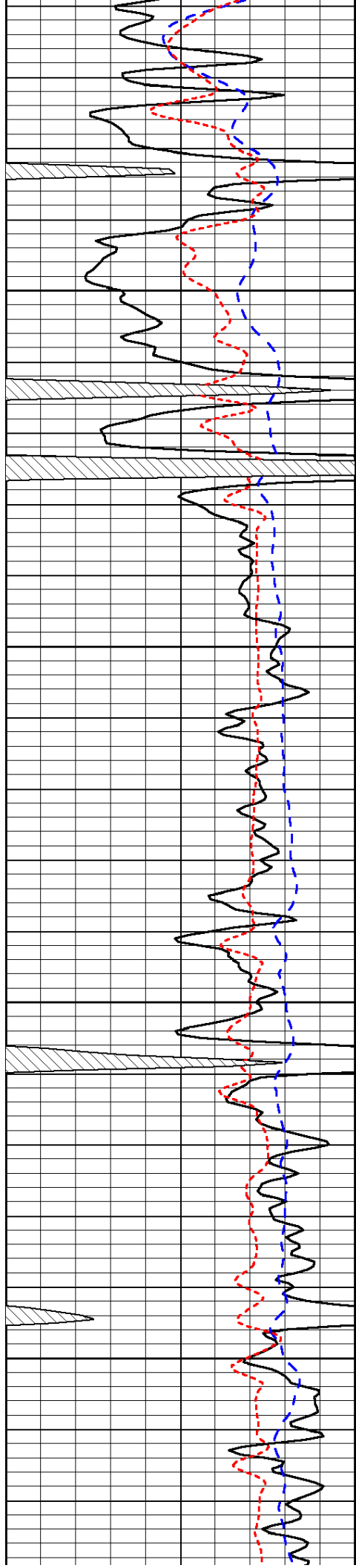
-36

-36

-36

-35

-36

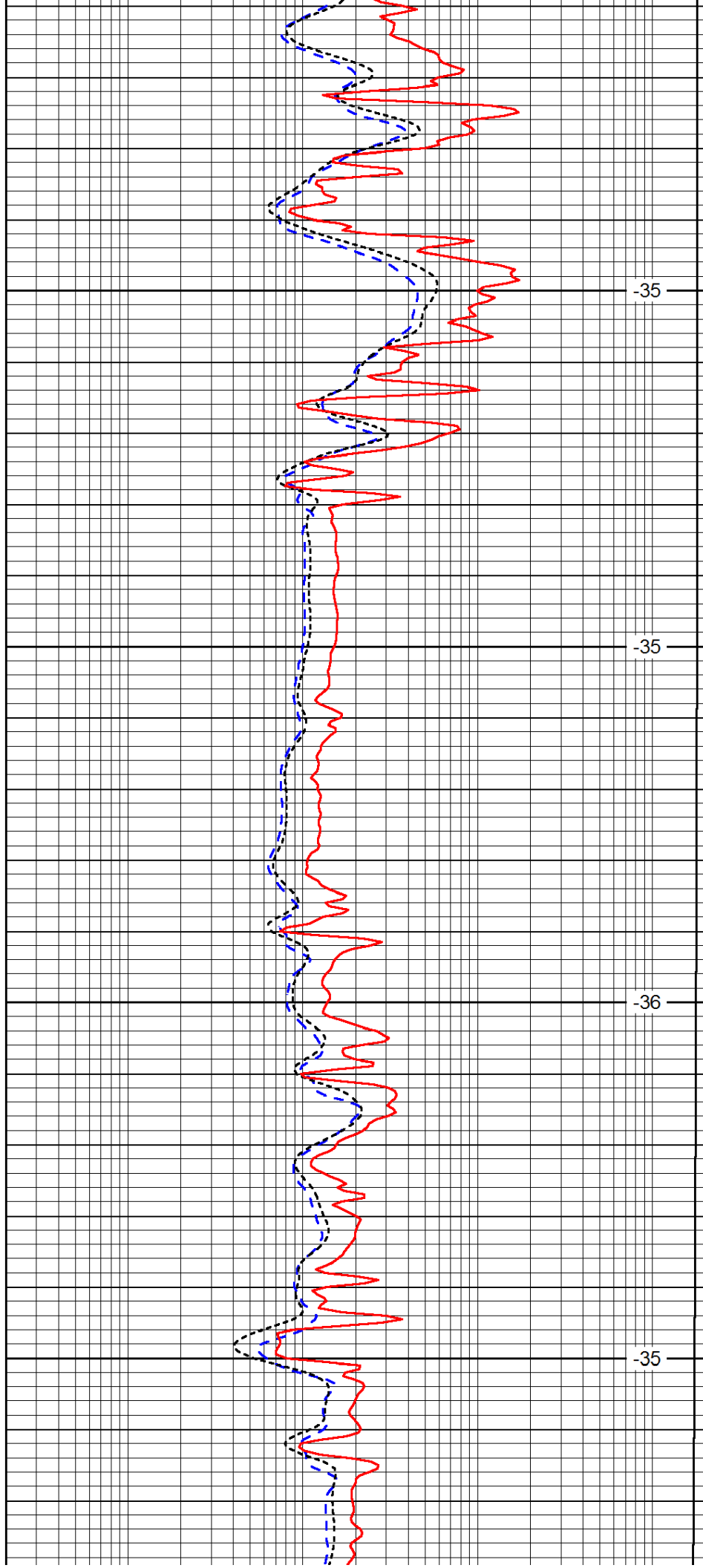


2750

2800

2850

2900

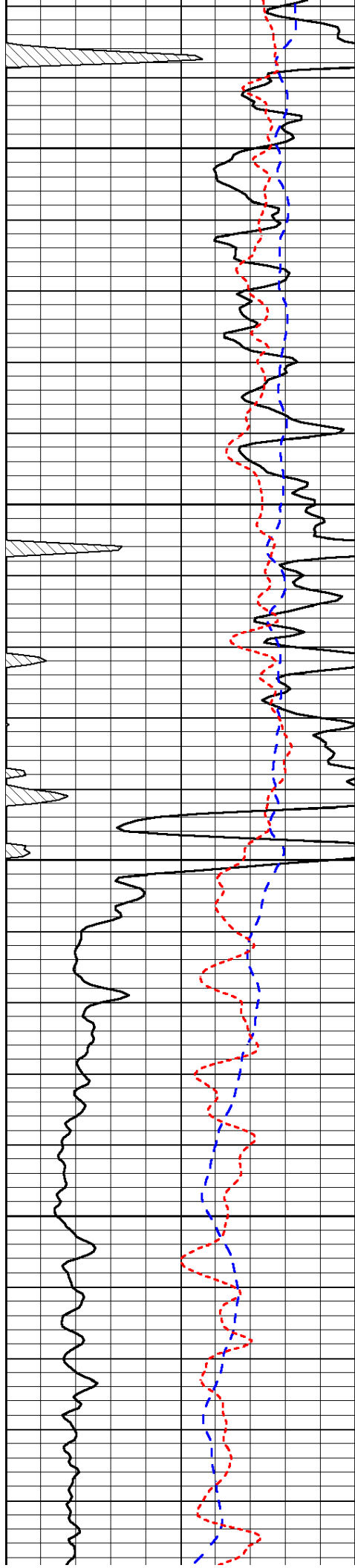


-35

-35

-36

-35

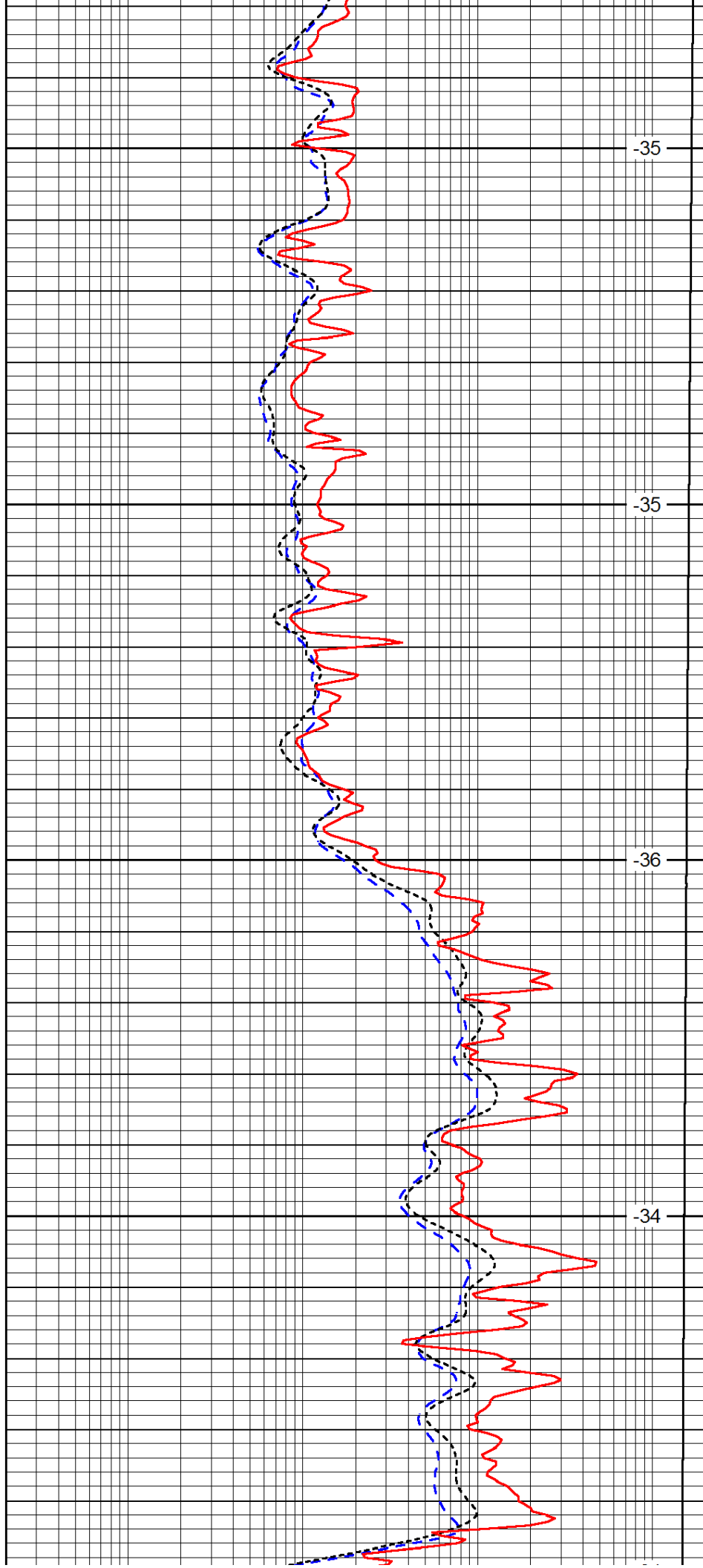


2950

3000

3050

3100

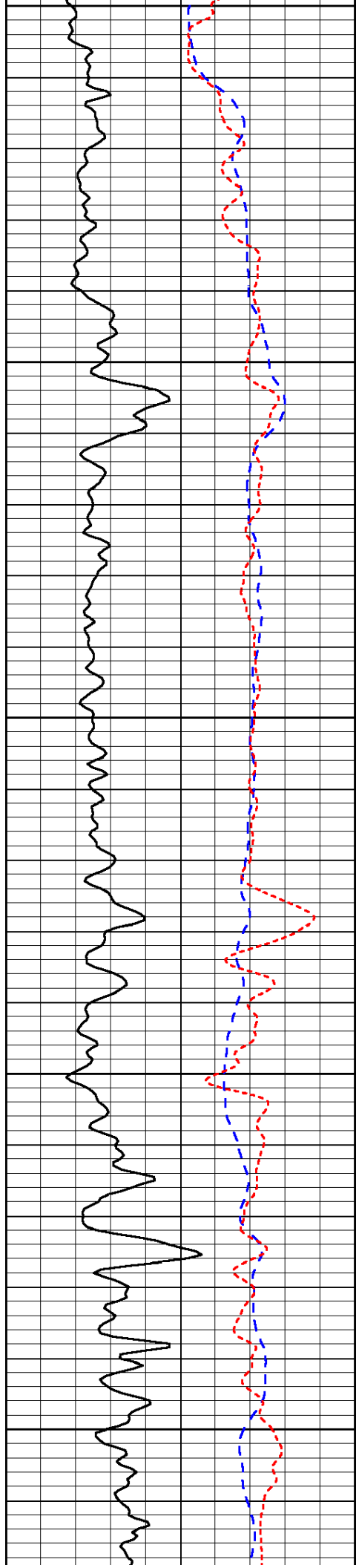


-35

-35

-36

-34



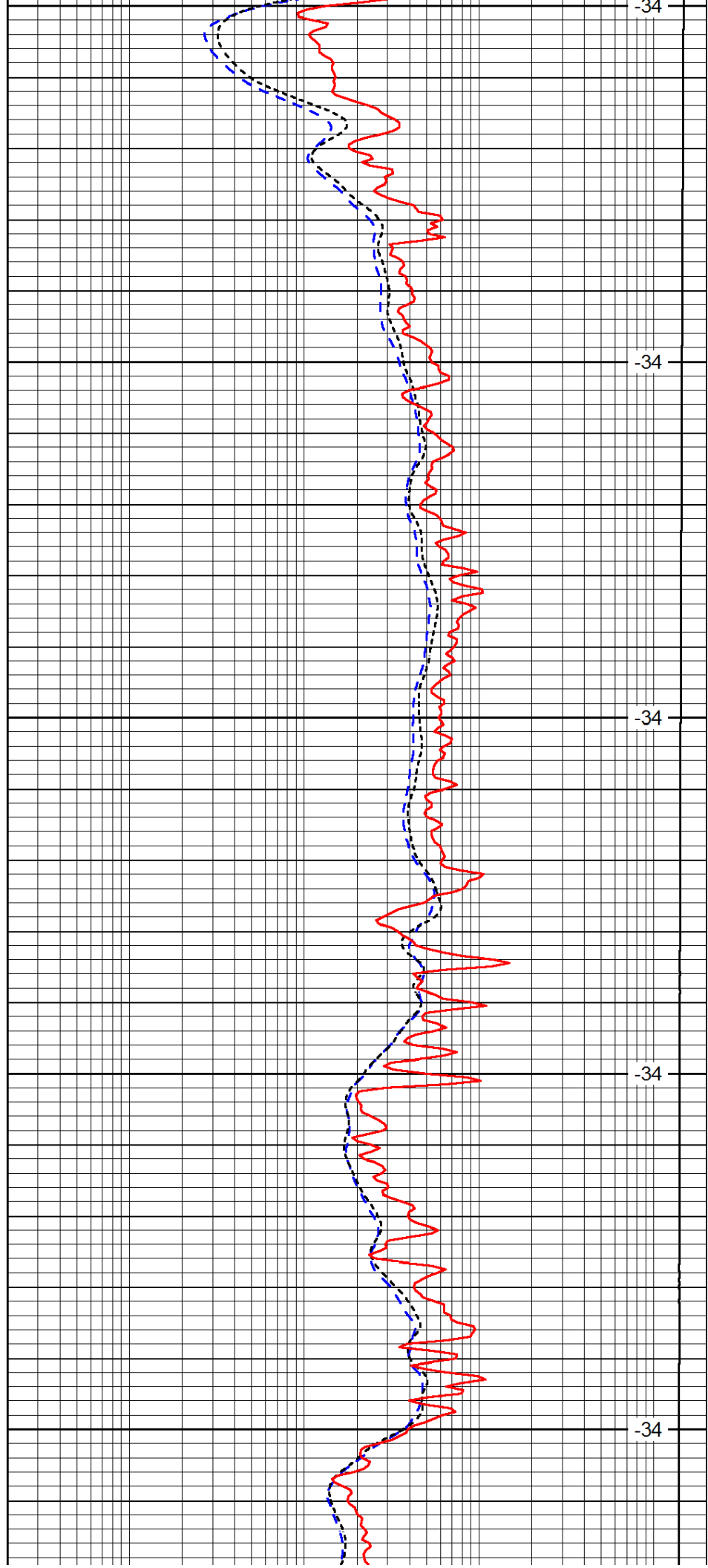
3150

3200

3250

3300

3350



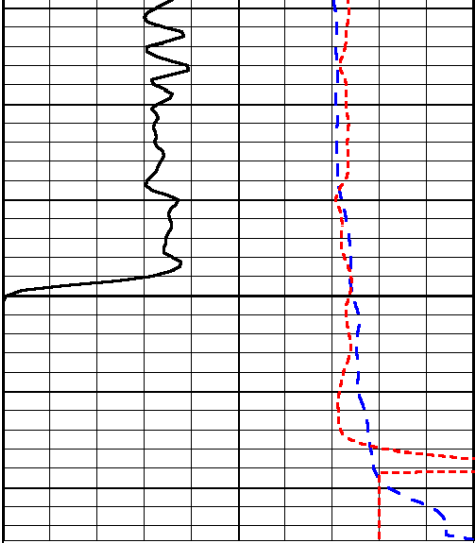
-34

-34

-34

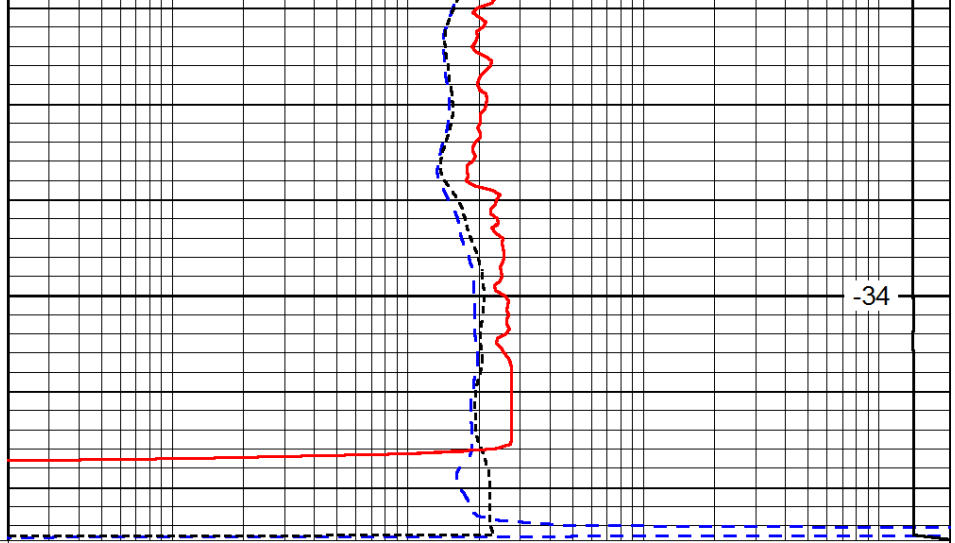
-34

-34



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

3400



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

LSPD