



Pioneer Energy Services

Microresistivity Log

API No.	Company Toto Energy, LLC. Well Lil' Red Kevette #1 Field Maddix North County Cowley State Kansas			
15-035-24,575-00-00	Location 330' FSL & 450' FWL	Other Services CNL/CDL DIL		
	Sec: 36 Twp: 32S Rge: 5E	Elevation K.B. 1218 D.F. 1208 G.L. 1208		
Permanent Datum	Ground Level	Elevation 1208		
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum		
Drilling Measured From	From Kelly Bushing			
Date	5/14/2014			
Run Number	Two			
Depth Driller	3525			
Depth Logger	3526			
Bottom Logged Interval	3525			
Top Log Interval	1600			
Casing Driller	8.625 @ 274			
Casing Logger	275			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1000			
Density / Viscosity	9.0 55			
pH / Fluid Loss	9.5 6.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.10 @ 80			
Rmf @ Meas. Temp	0.83 @ 80			
Rmc @ Meas. Temp	1.49 @ 80			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.79 @ 111			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	111			
Equipment Number	15			
Location	Hays			
Recorded By	D. Kerr			
Witnessed By	Troy Fowler	Steve Ball		

<<< 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.

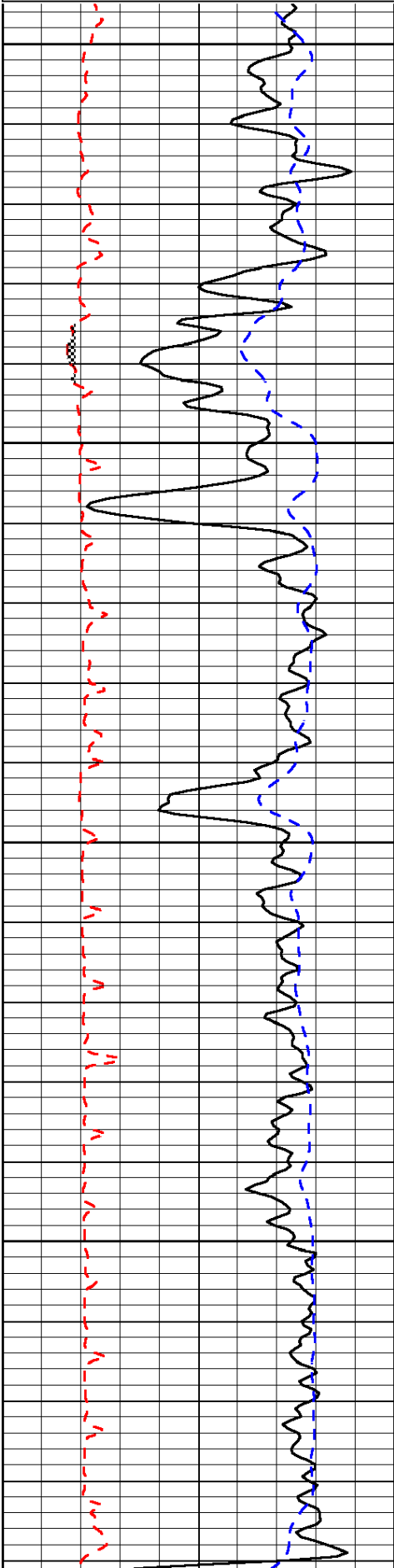
Comments

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

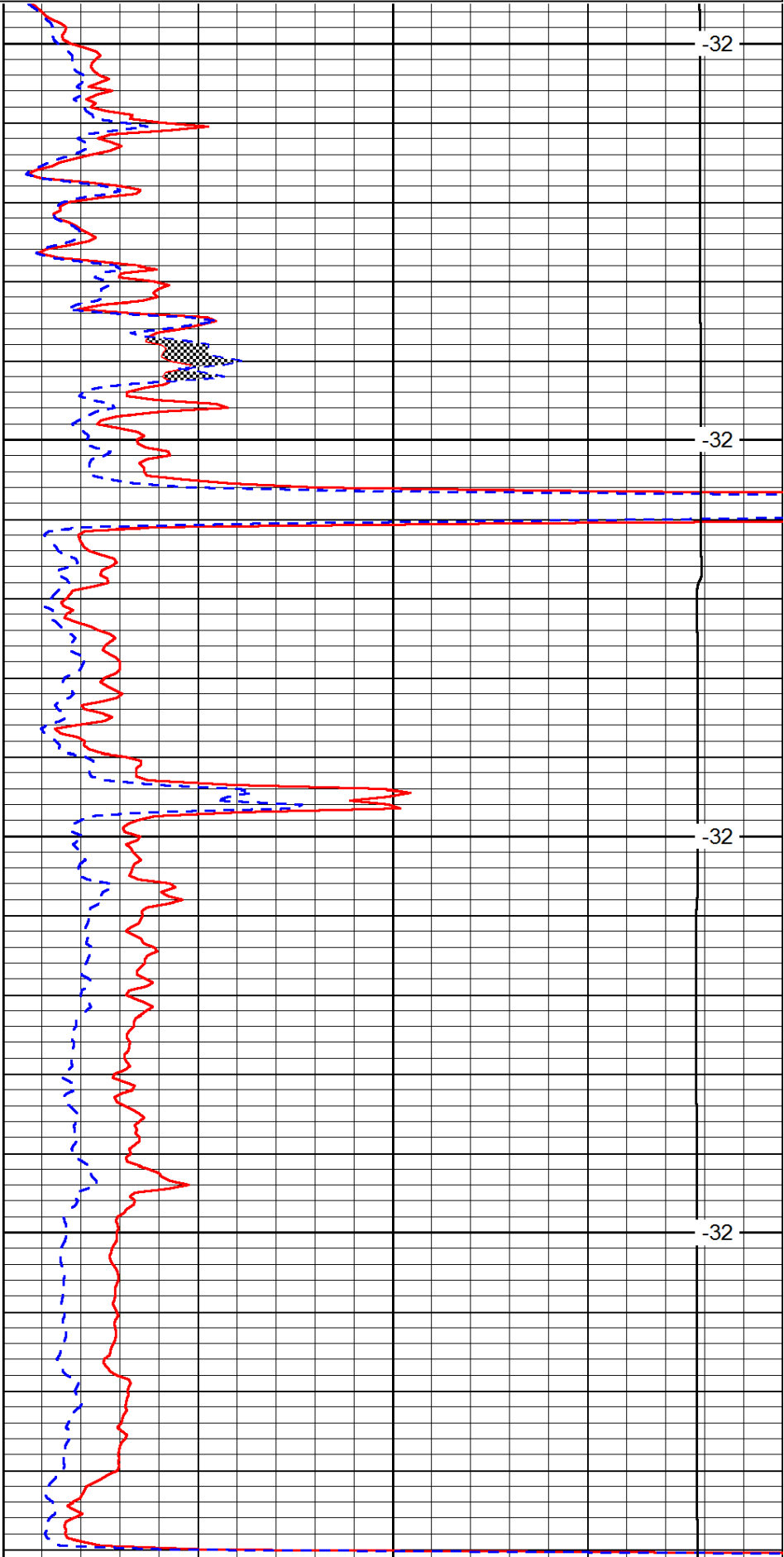
Winfield KS, 7 East,
2 South, 1/4 East, North Into

Database File: c:\warrior\data\toto_lil' red kevette #1\toto_lilredkevette_1hd.db
Dataset Pathname: DIL/totostk
Presentation Format: micro
Dataset Creation: Wed May 14 08:56:05 2014
Charted by: Depth in Feet scaled 1:240

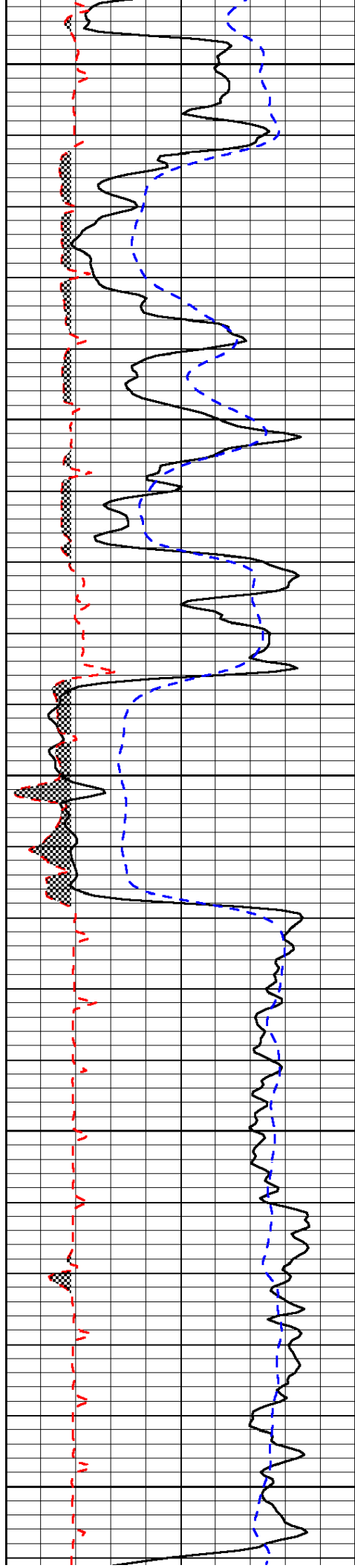
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0



LSPD



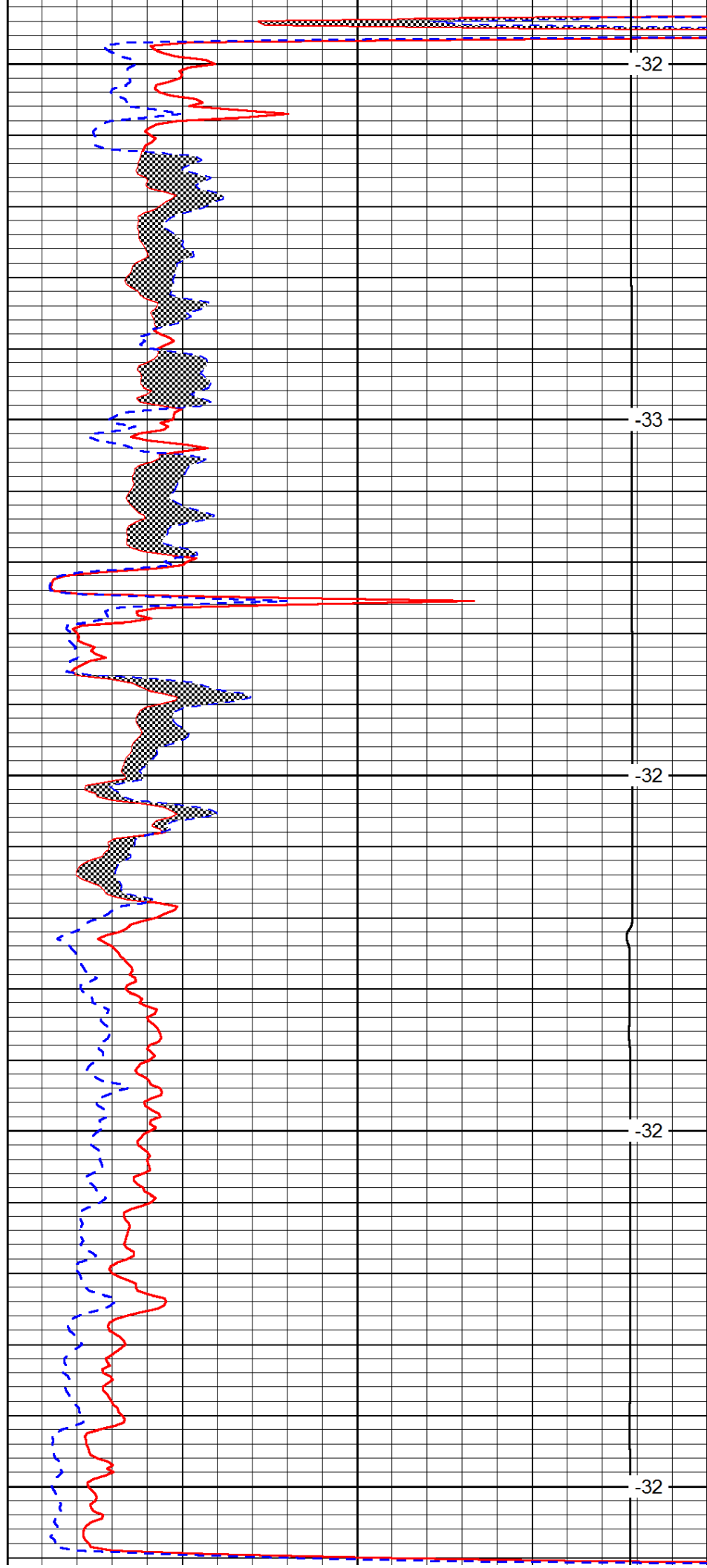
1800

1850

1900

1950

2000



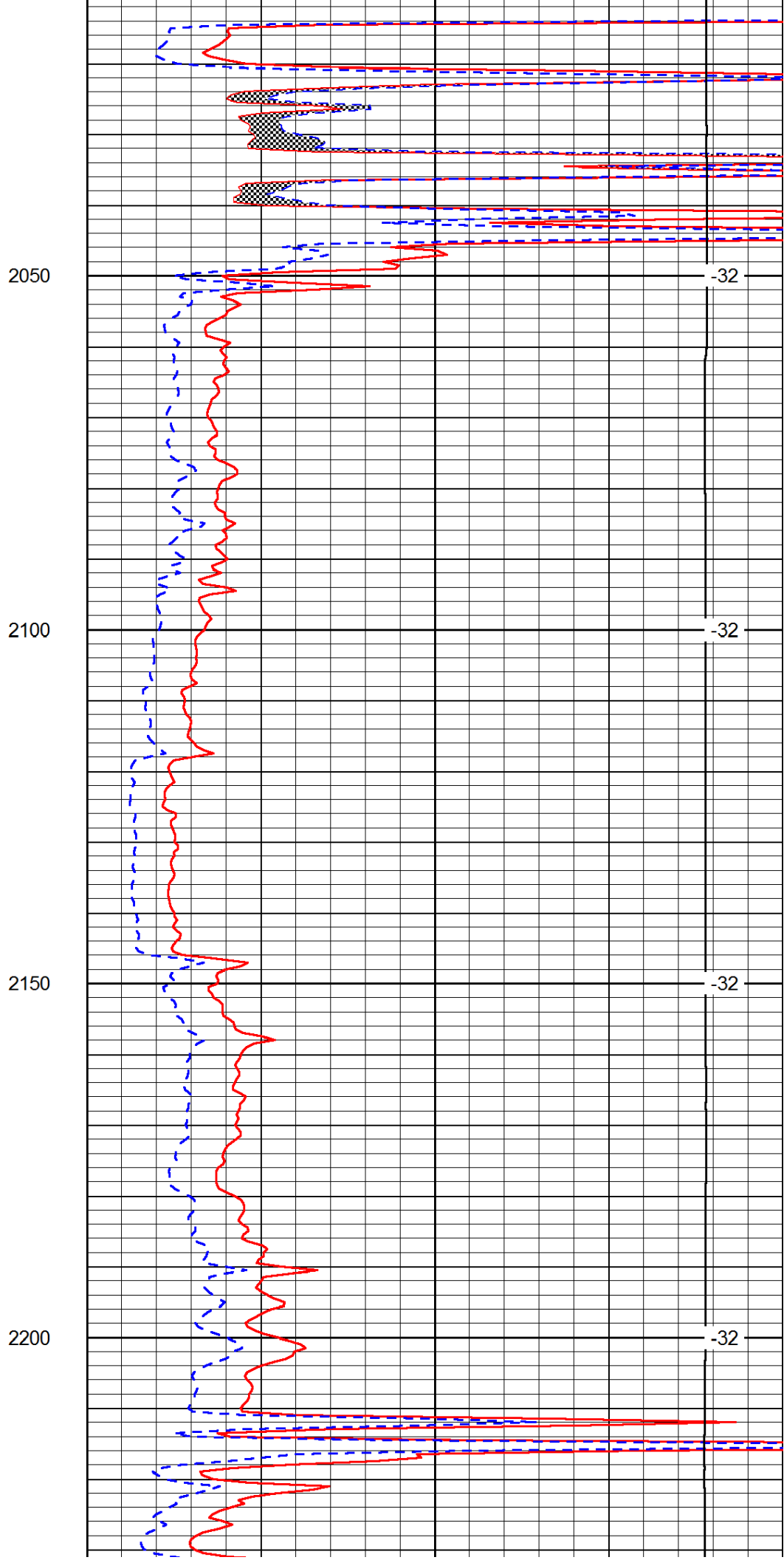
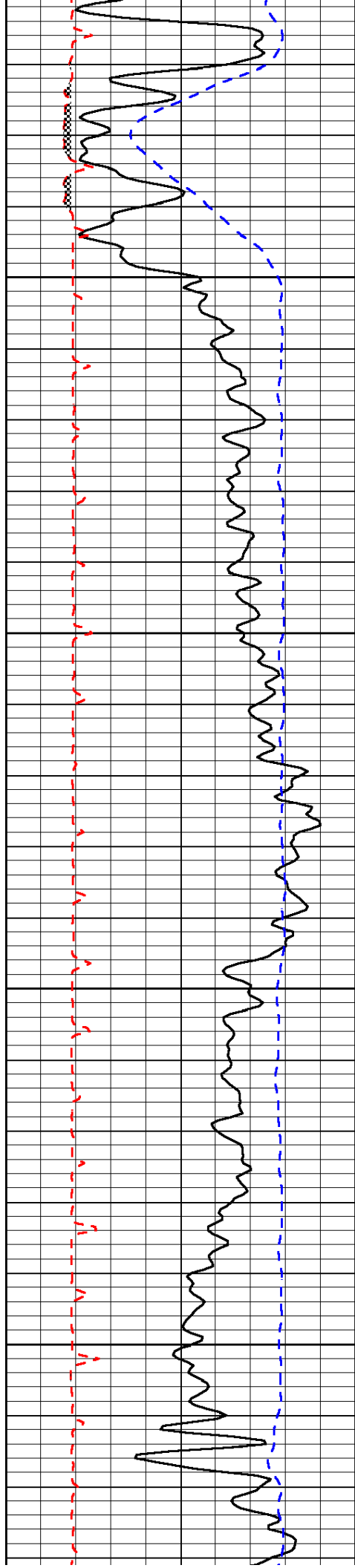
-32

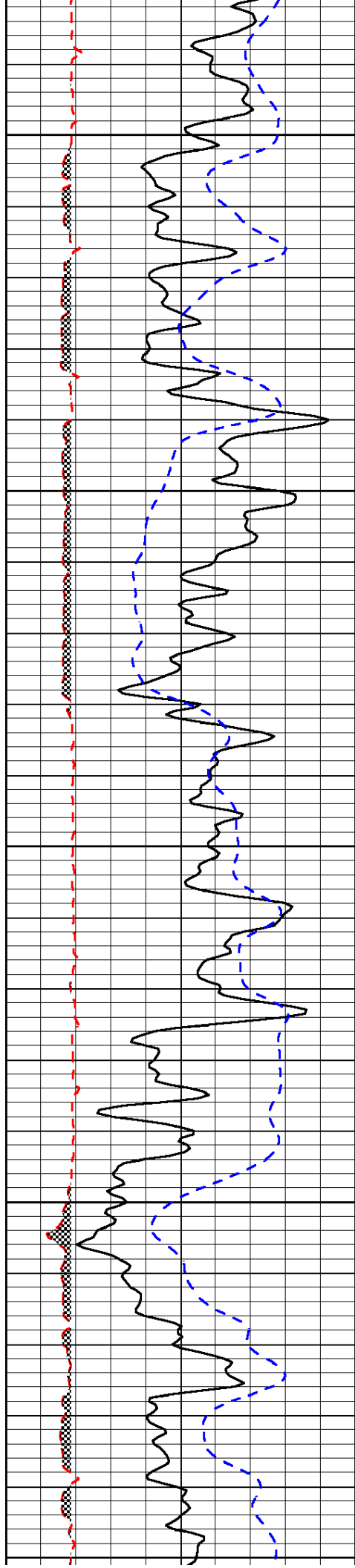
-33

-32

-32

-32





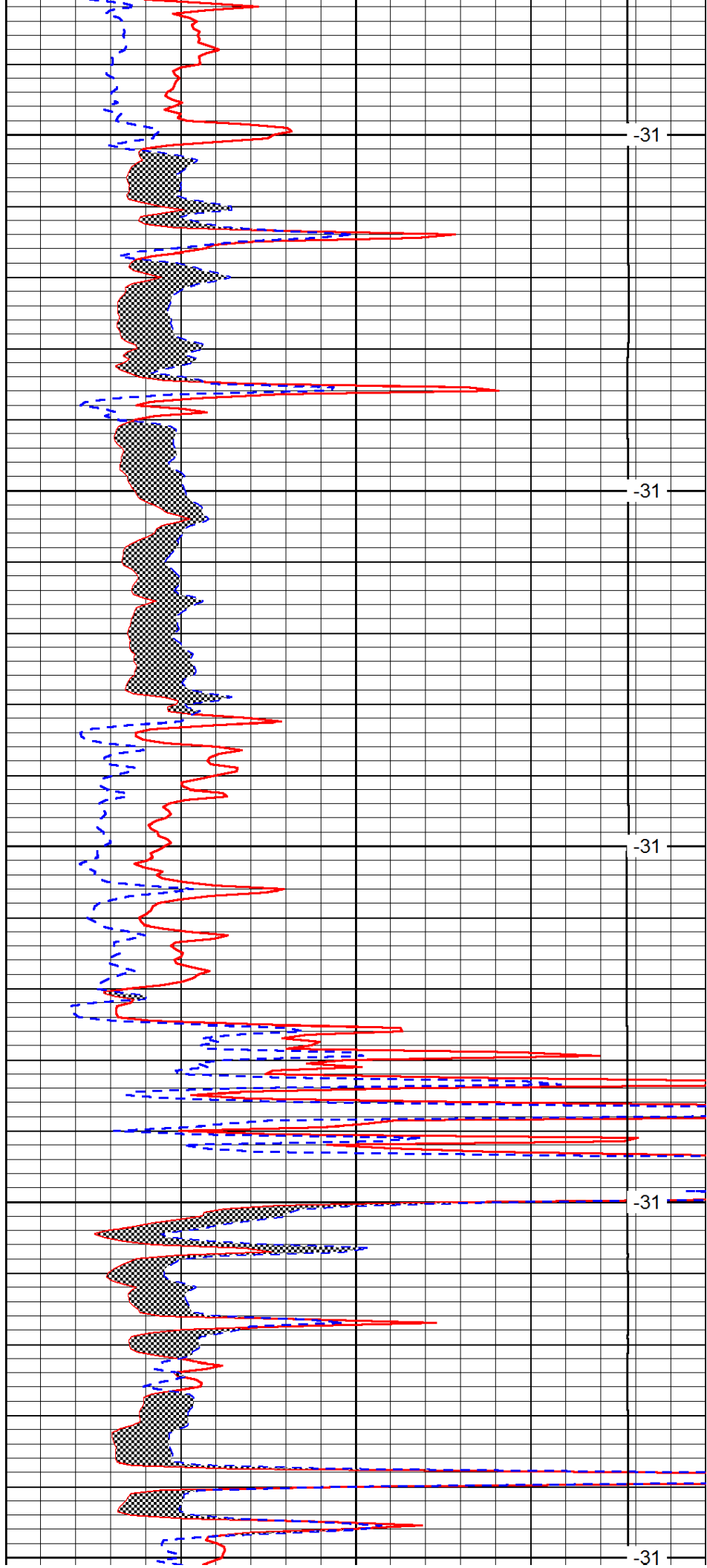
2250

2300

2350

2400

2450



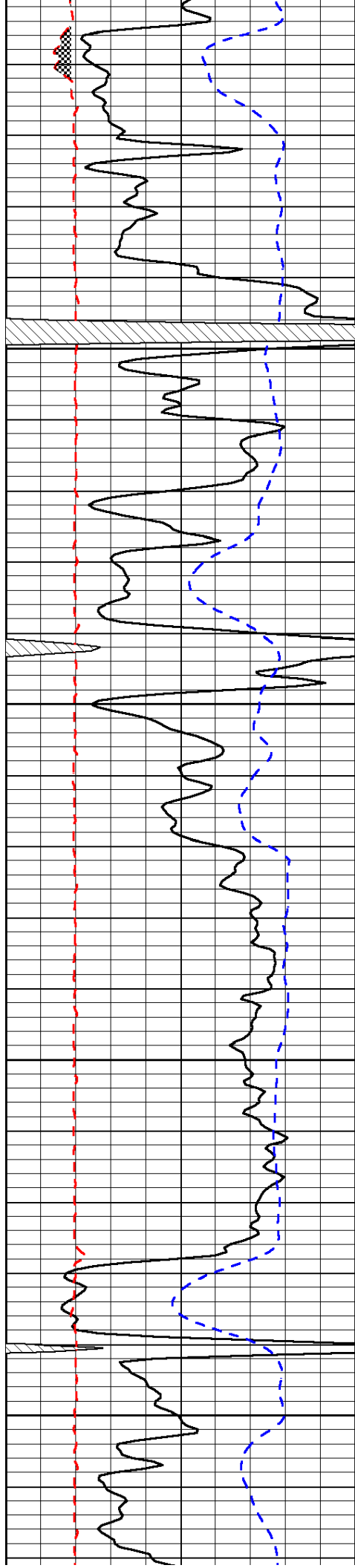
-31

-31

-31

-31

-31

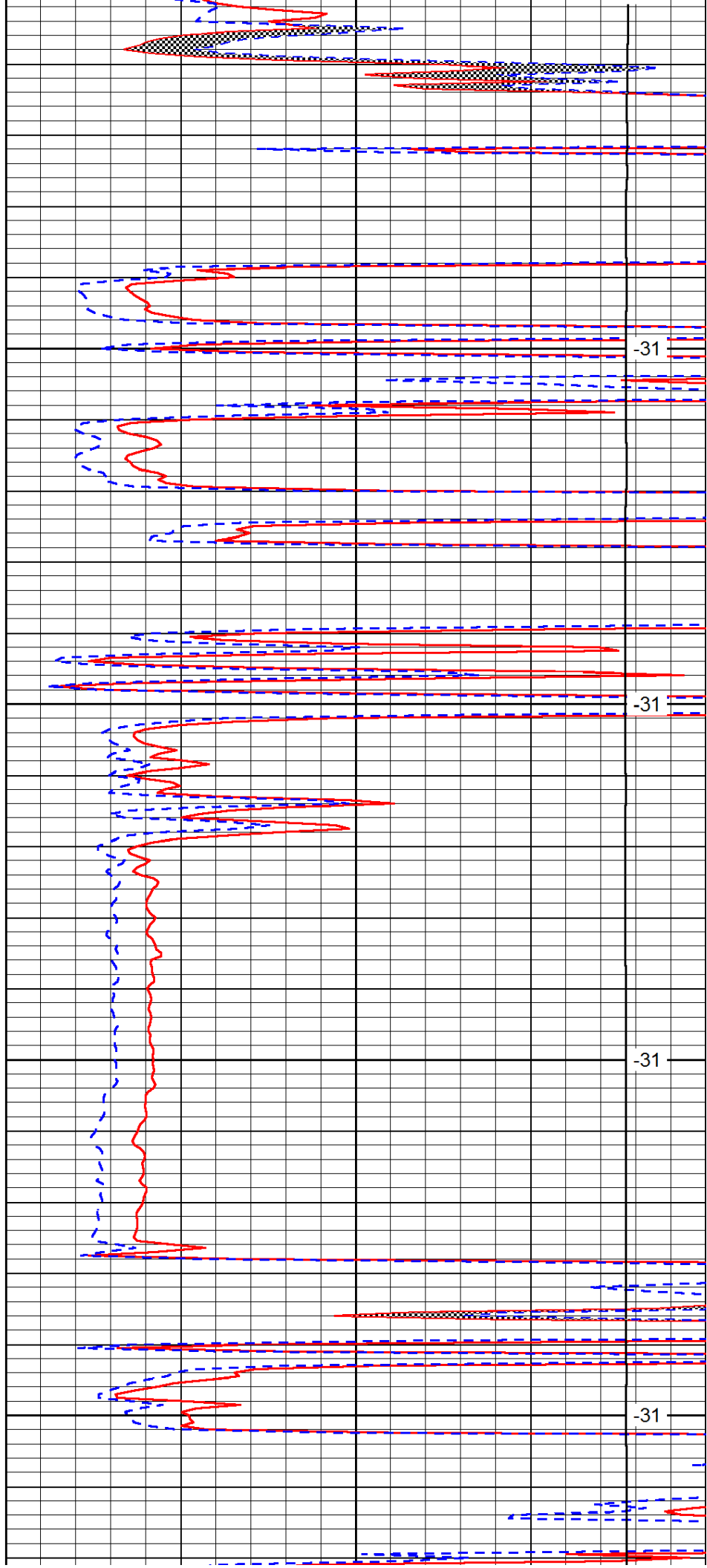


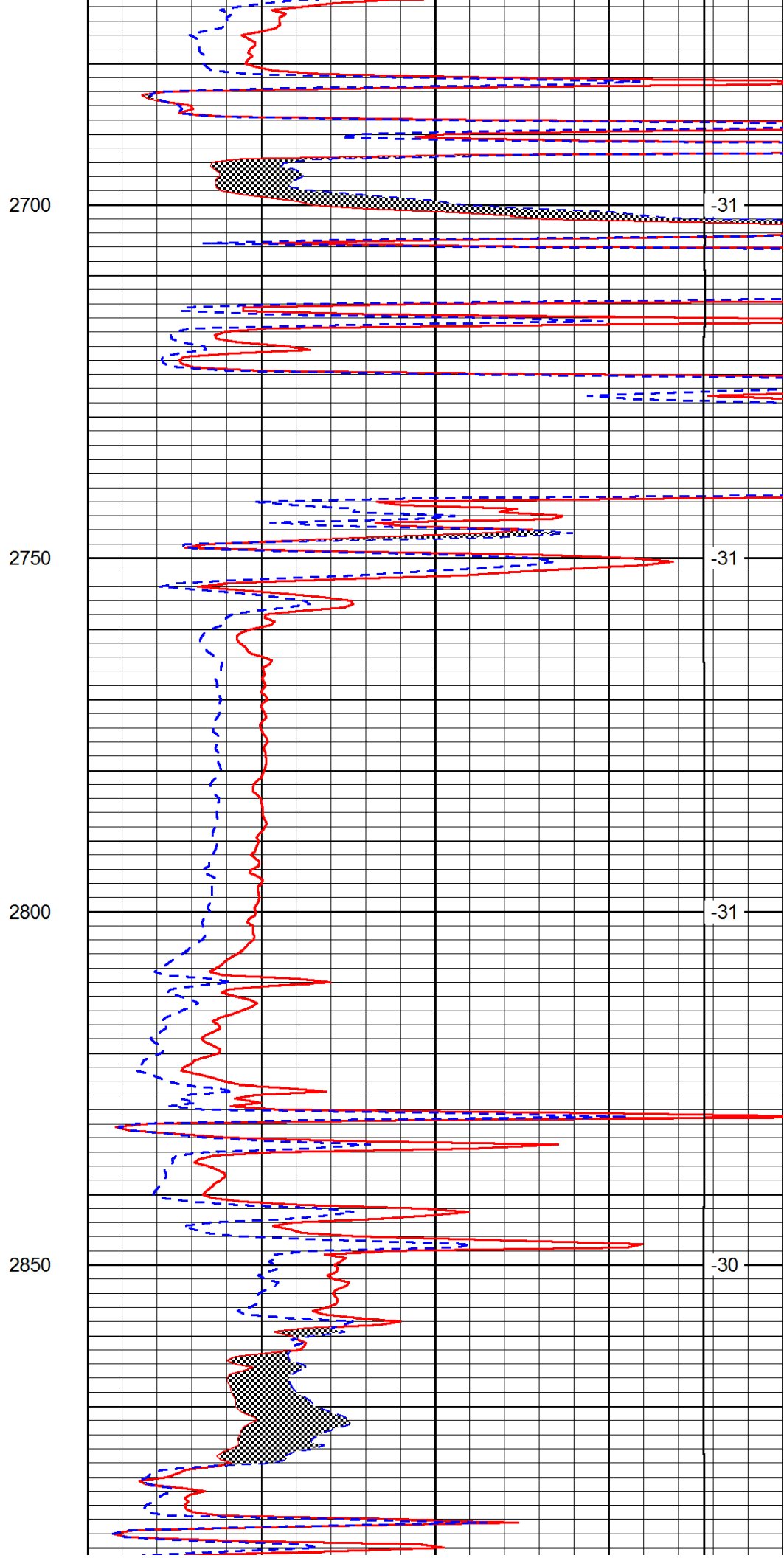
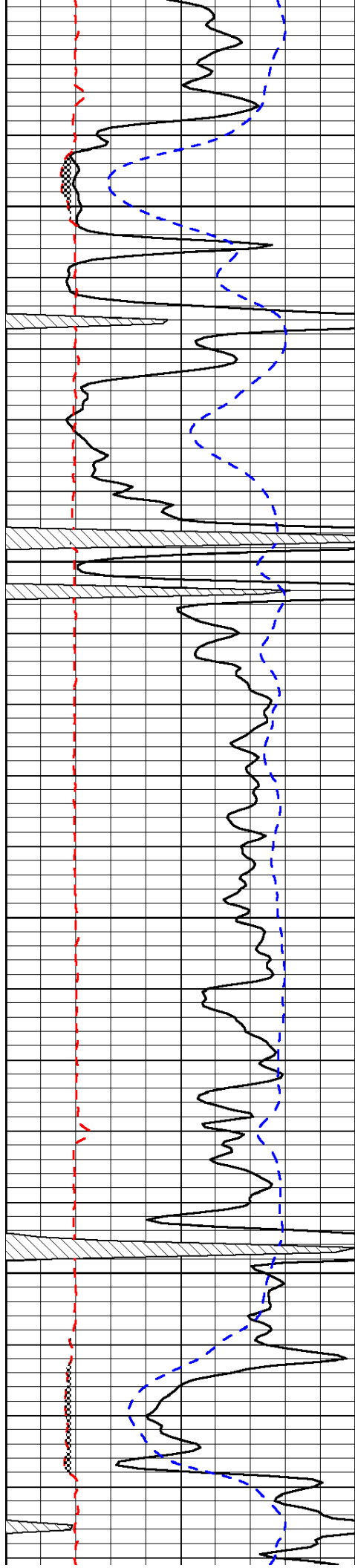
2500

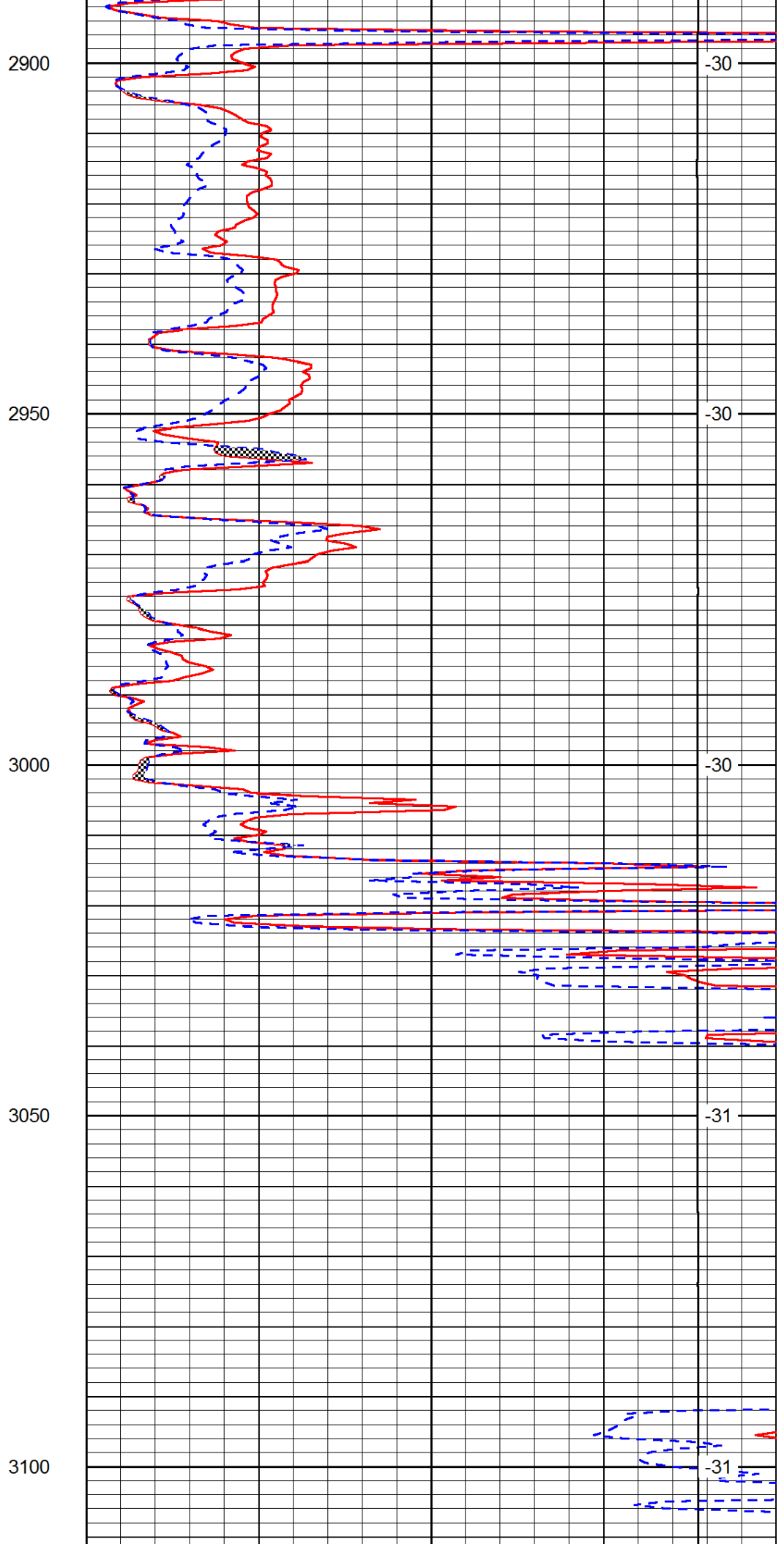
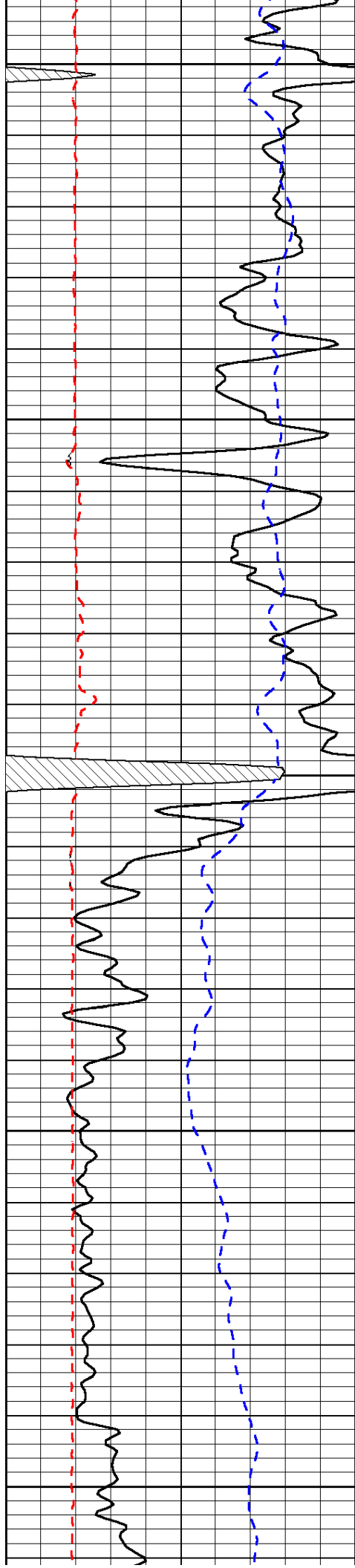
2550

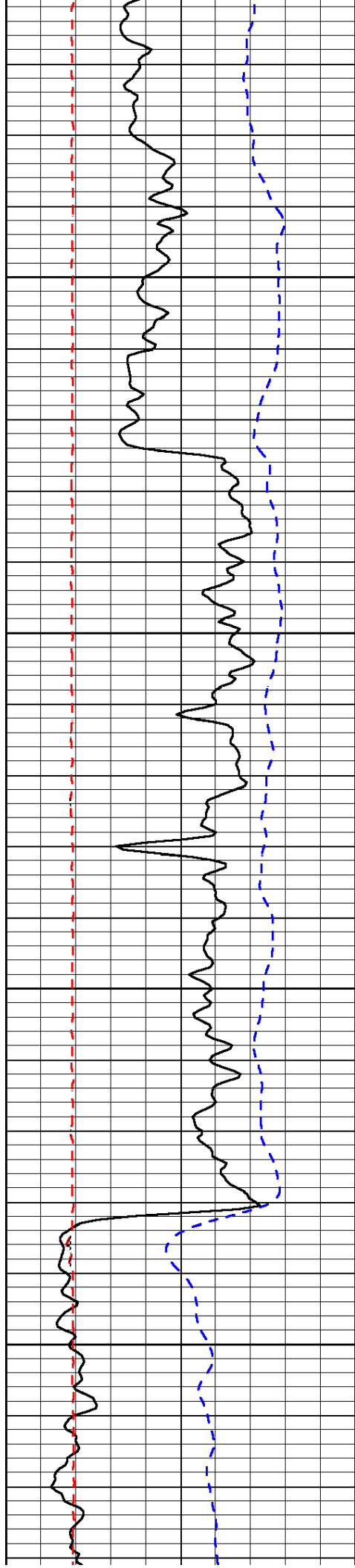
2600

2650







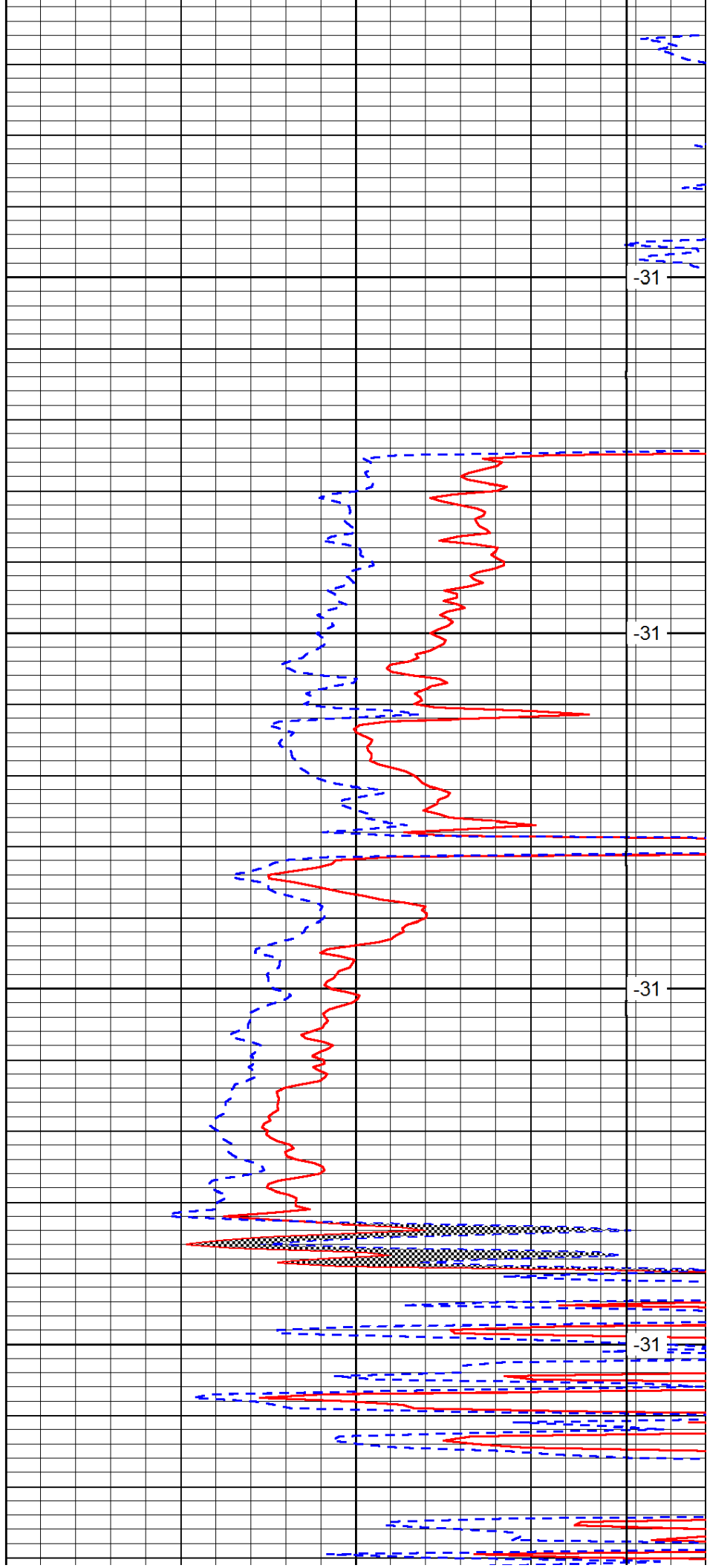


3150

3200

3250

3300

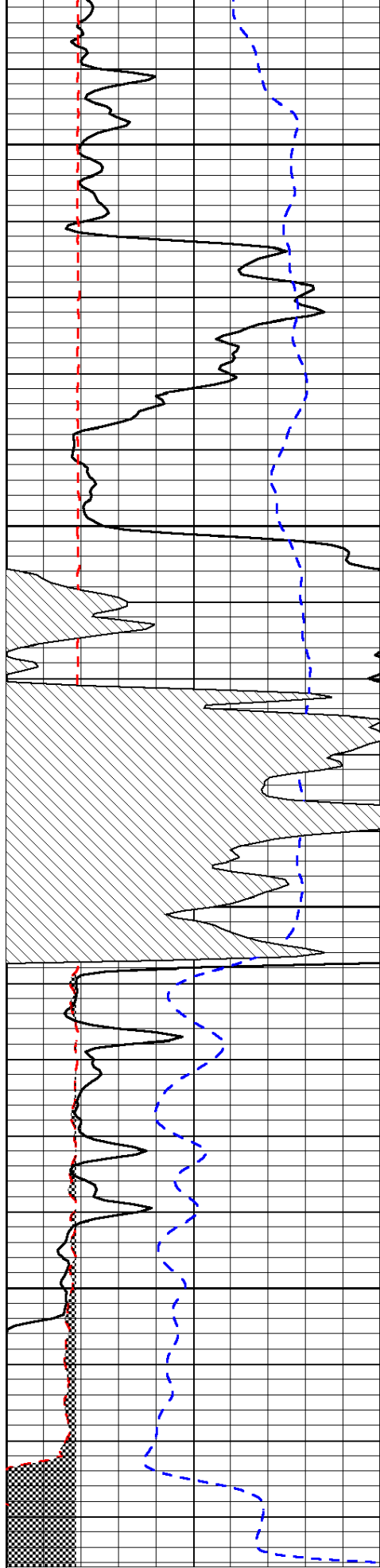


-31

-31

-31

-31



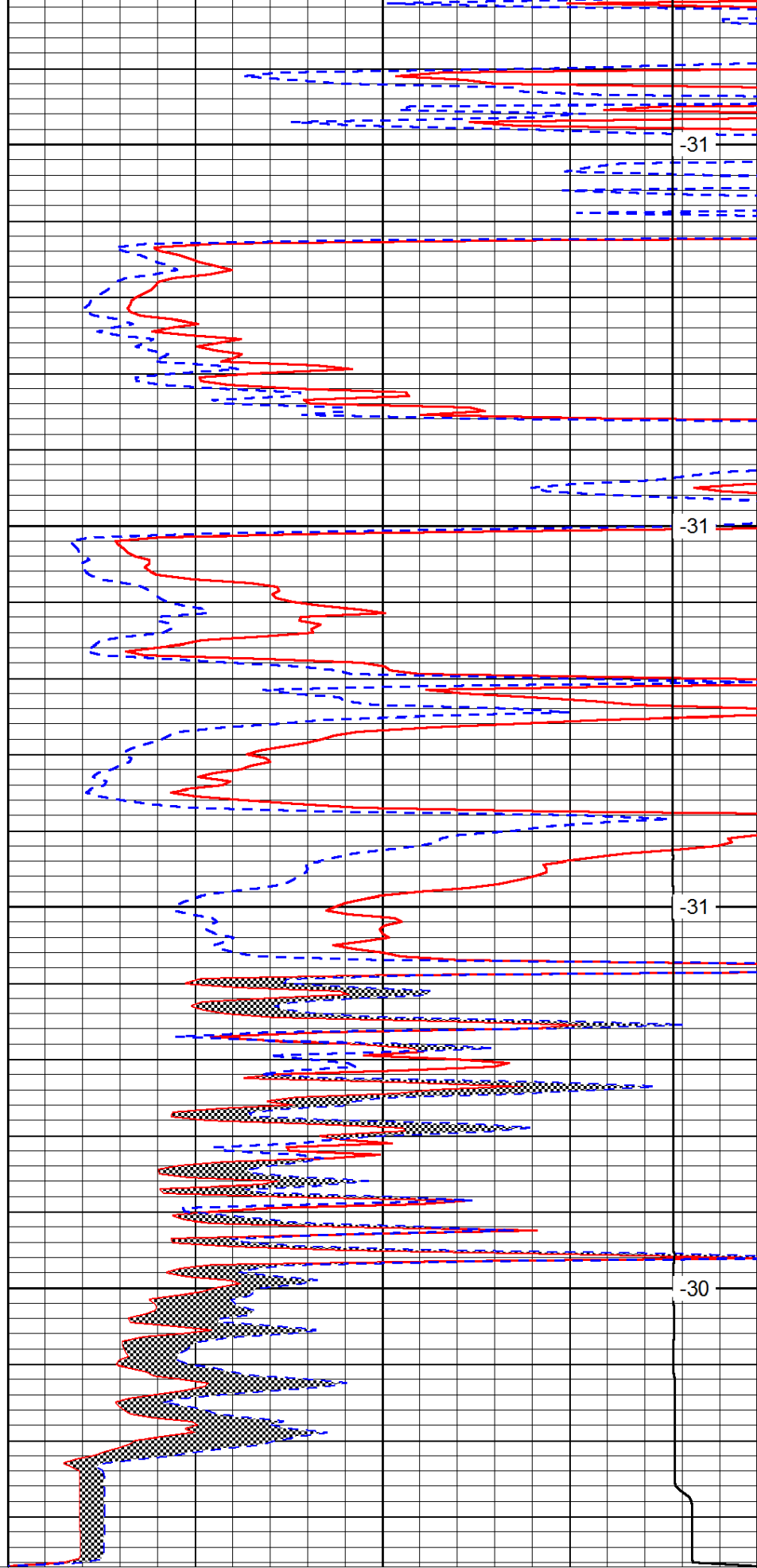
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

3350

3400

3450

3500



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

