



Pioneer Energy Services

Microresistivity Log

API No.	Company Lebsack Oil Production, Inc. Well North River # 3 Field Grove County Rice State Kansas			
15-159-22,790-00-00	Location N2-S2-SW-NW 2000' FNL & 660' FWL	Other Services CNL/CDL DIL		
	Sec: 34 Twp: 20S Rge: 10W	Elevation K.B. 1728 D.F. 1719 G.L. 1719		
Permanent Datum	Ground Level	Elevation 1719		
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum		
Drilling Measured From	Kelly Bushing			
Date	8/21/2014			
Run Number	Two			
Depth Driller	3308			
Depth Logger	3306			
Bottom Logged Interval	3305			
Top Log Interval	2200			
Casing Driller	8.625 @ 306			
Casing Logger	303			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	4000			
Density / Viscosity	9.2 52			
pH / Fluid Loss	10.0 8.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	.42 @ 76			
Rmf @ Meas. Temp	.32 @ 76			
Rmc @ Meas. Temp	.57 @ 76			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.29 @ 109			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	109			
Equipment Number	108			
Location	Hays			
Recorded By	J. Henrickson			
Witnessed By	Josh Austin			

<<< 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.

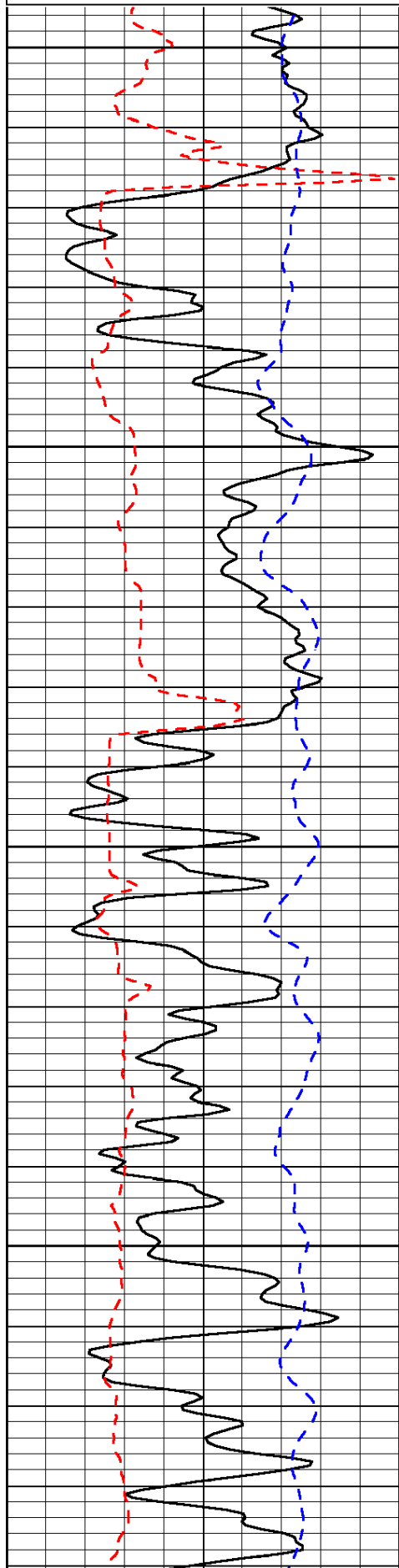
Comments

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

Raymond KS
South Edge of Town(Avenue R), 1 West, South Into

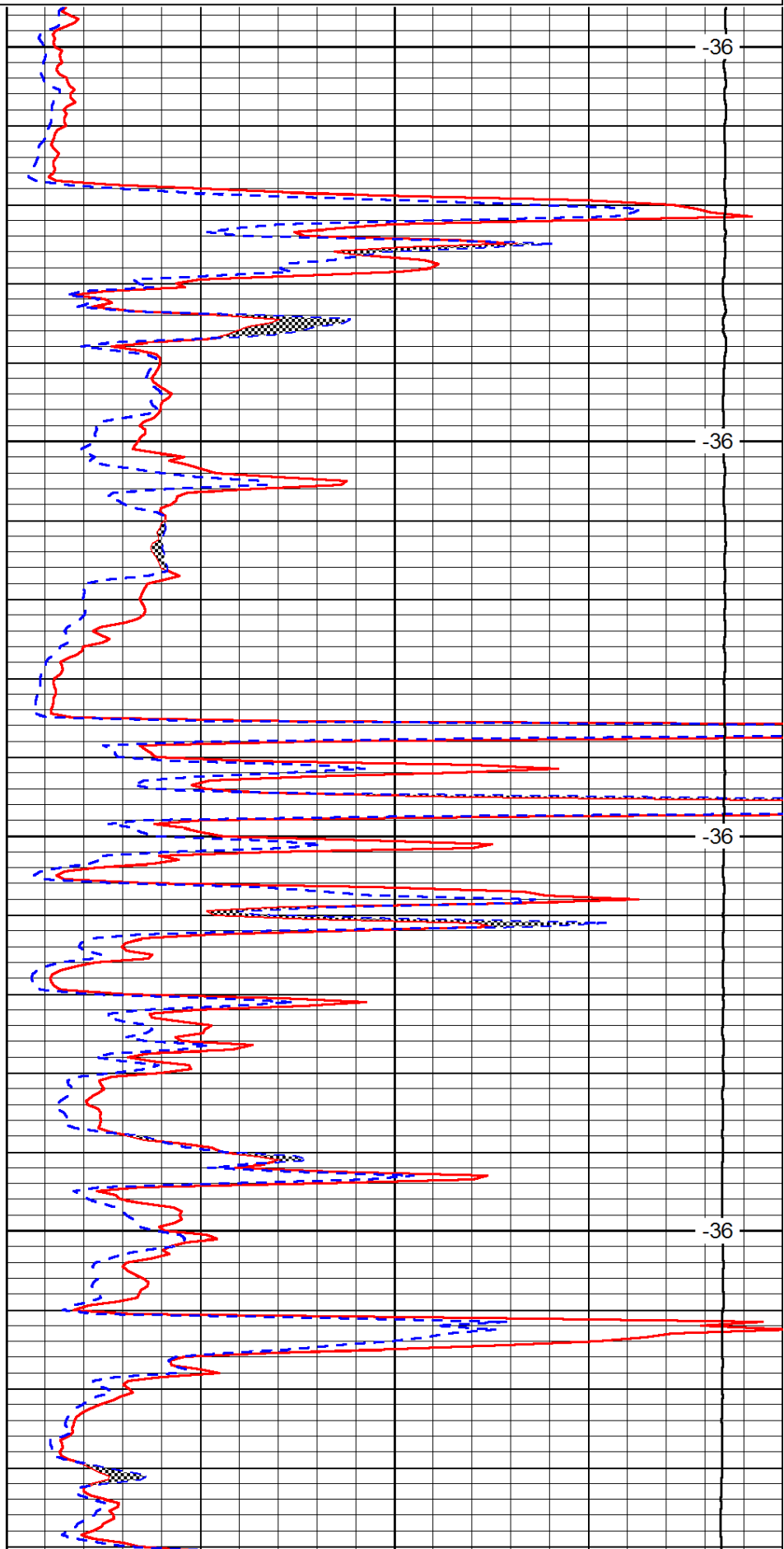
Database File: c:\warrior\data\lebsack_north river # 3\lebsack_north_river_3hd.db
Dataset Pathname: DIL\lebstk
Presentation Format: micro
Dataset Creation: Thu Aug 21 06:00:42 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:210		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

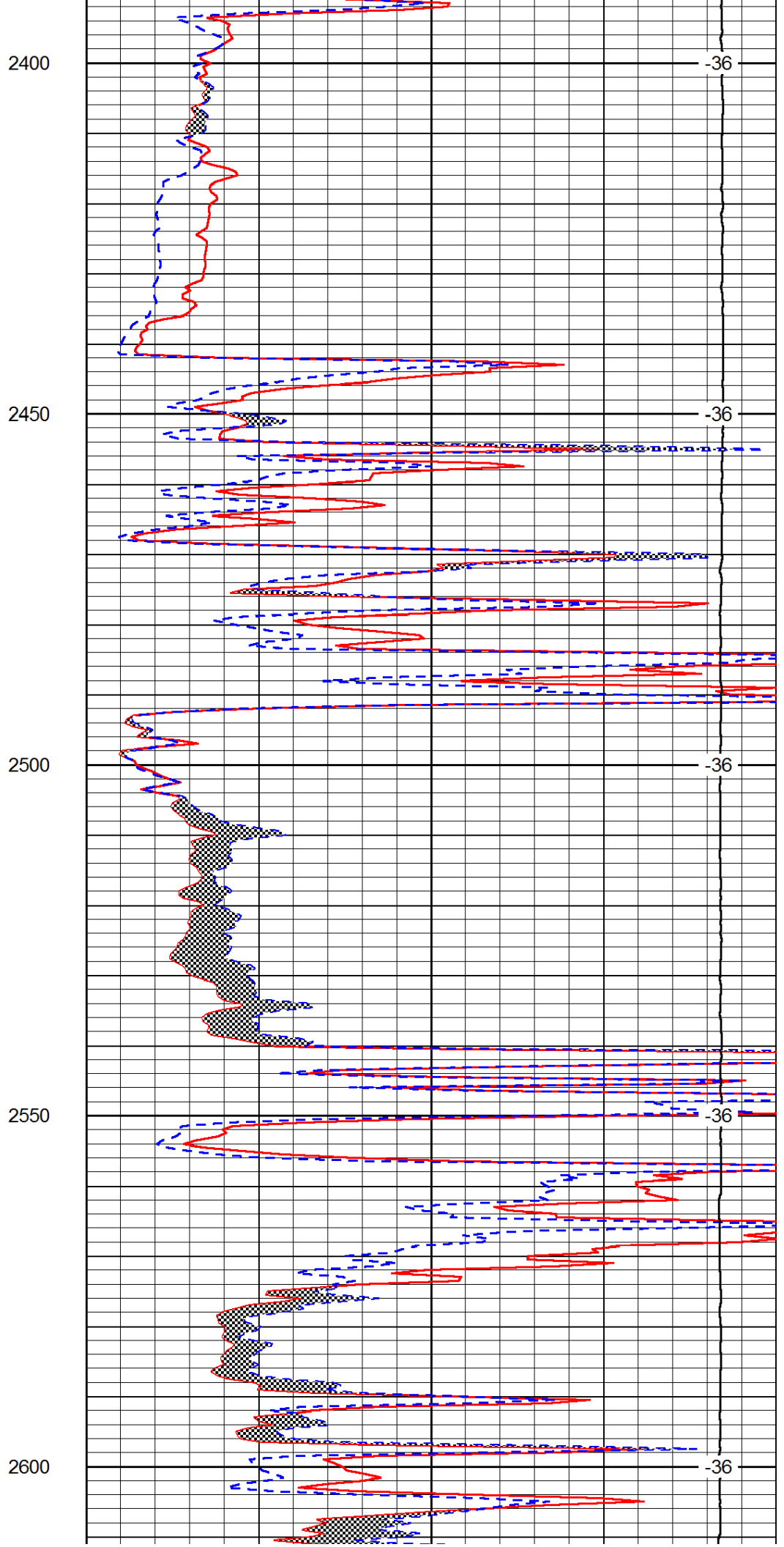
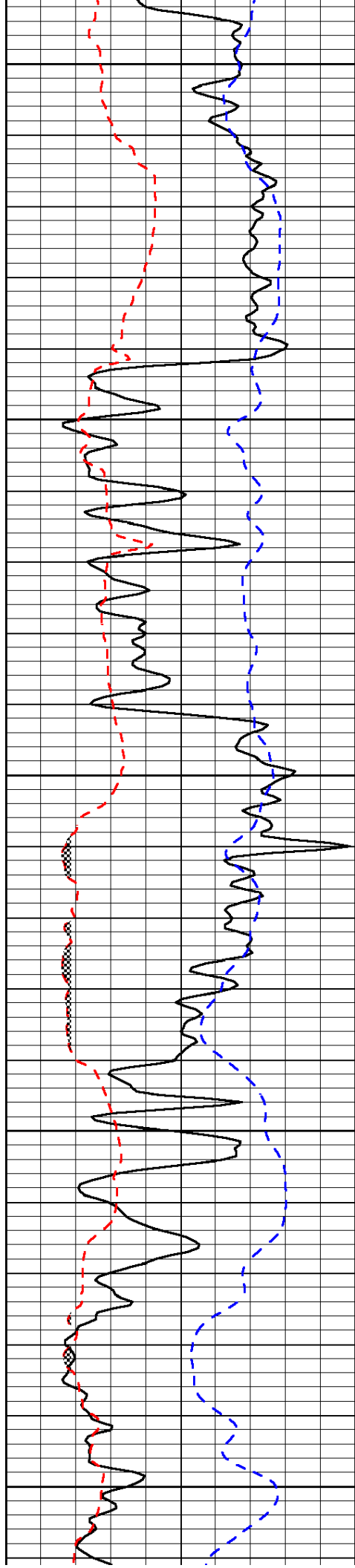


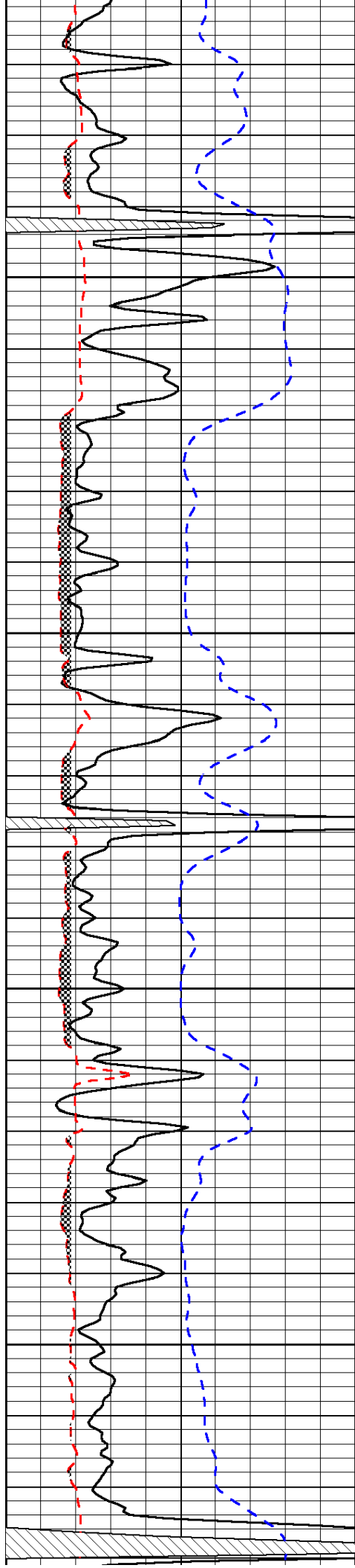
2200
2250
2300
2350

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



-36
-36
-36
-36



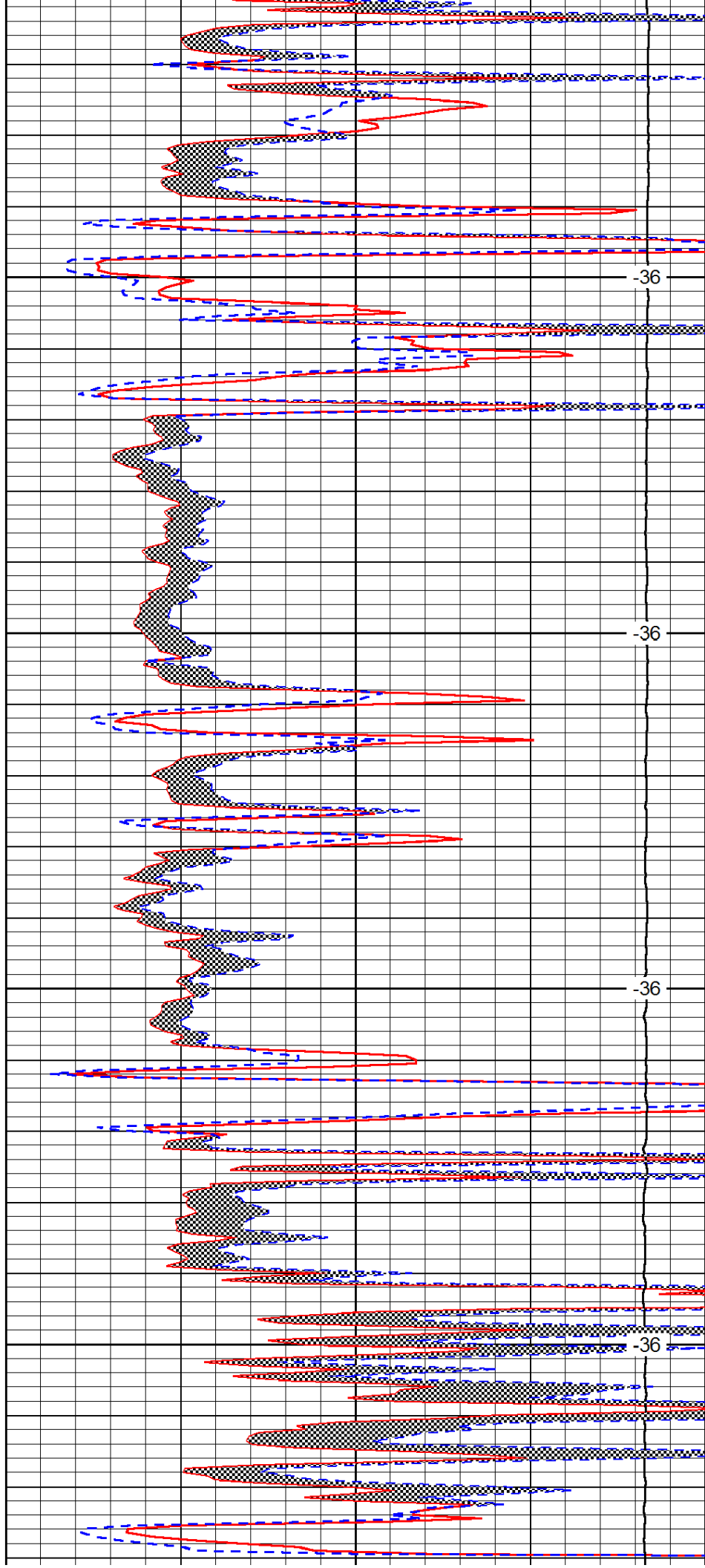


2650

2700

2750

2800

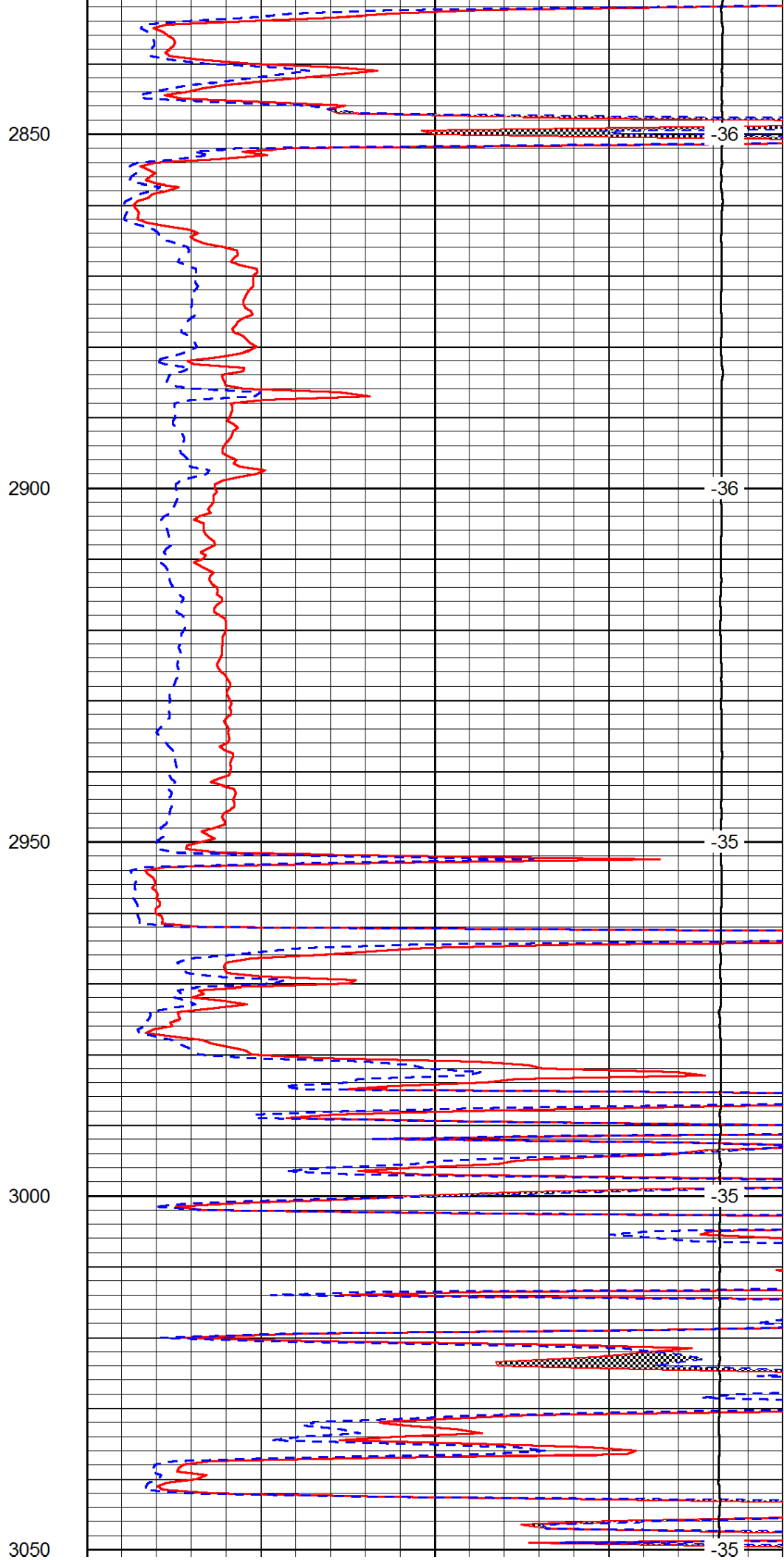
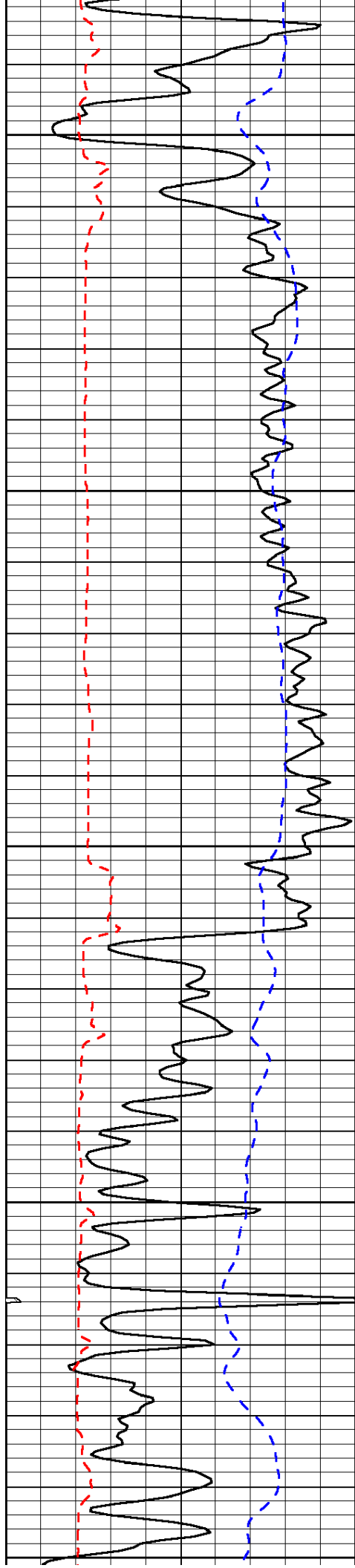


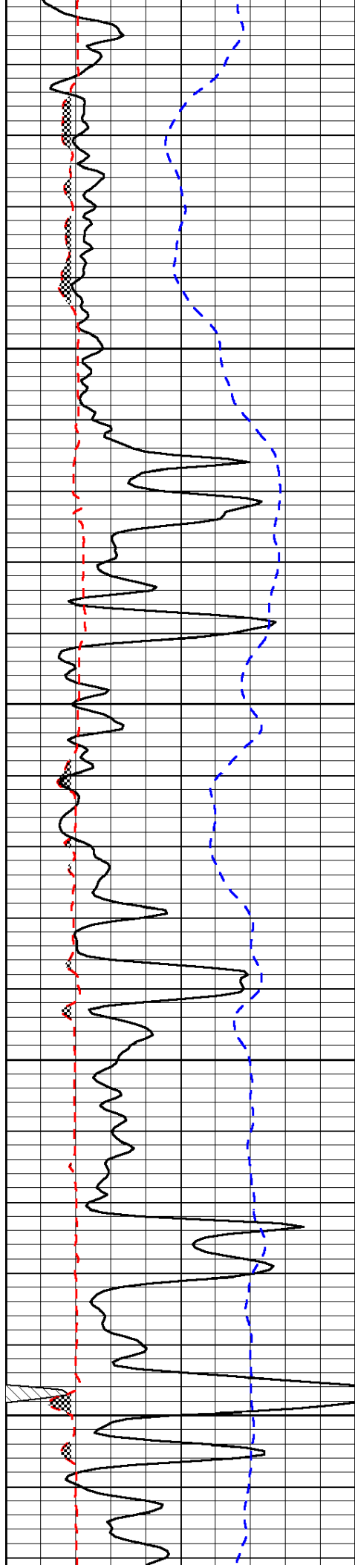
-36

-36

-36

-36



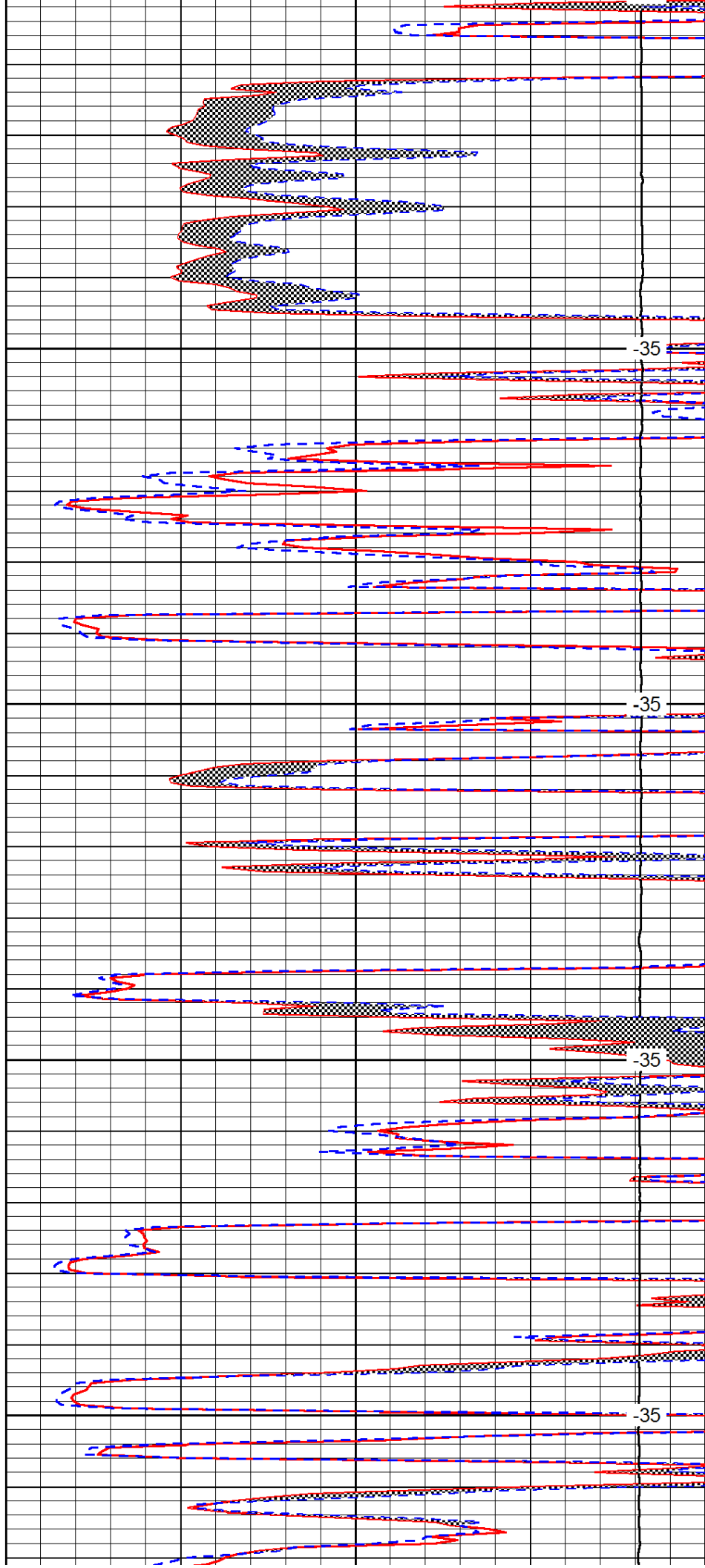


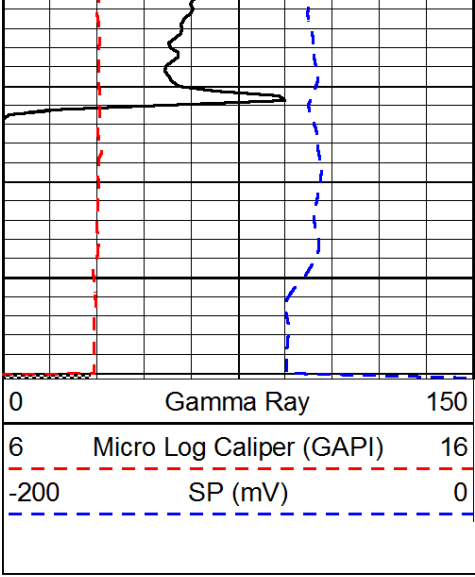
3100

3150

3200

3250





3300

