



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.		Company American Warrior, Inc.			
15-055-22387-00-00		Well		O'Brate-Finney #6-5	
		Field		Wildcat	
		County		Finney State	
		Location		357' FNL & 2497' FEL	
Sec: 5		Twp: 23S		Rge: 32W	
Permanent Datum		Ground Level		Elevation 2861	
Log Measured From		Kelly Bushing		11 Ft. Above Perm. Datum	
Drilling Measured From		Frothkelly Bushing		K.B. 2872 D.F. 2861 G.L. 2861	
Date		3/30/2015			
Run Number		Two			
Depth Driller		4950			
Depth Logger		4949			
Bottom Logged Interval		4948			
Top Log Interval		3700			
Casing Driller		8.625 @ 1774			
Casing Logger		1774			
Bit Size		7.875			
Type Fluid in Hole		Chemical			
Salinity, ppm CL		4200			
Density / Viscosity		9.45 52			
pH / Fluid Loss		9.0 8.8			
Source of Sample		Flowline			
Rm @ Meas. Temp		0.99 @ 80			
Rmf @ Meas. Temp		0.74 @ 80			
Rmc @ Meas. Temp		1.34 @ 80			
Source of Rmf / Rmc		Charts			
Rm @ BHT		0.63 @ 126			
Operating Rig Time		3 Hours			
Max Rec. Temp. F		126			
Equipment Number		15			
Location		Hays			
Recorded By		D.Kerr			
Witnessed By		Luke Thompson			

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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.

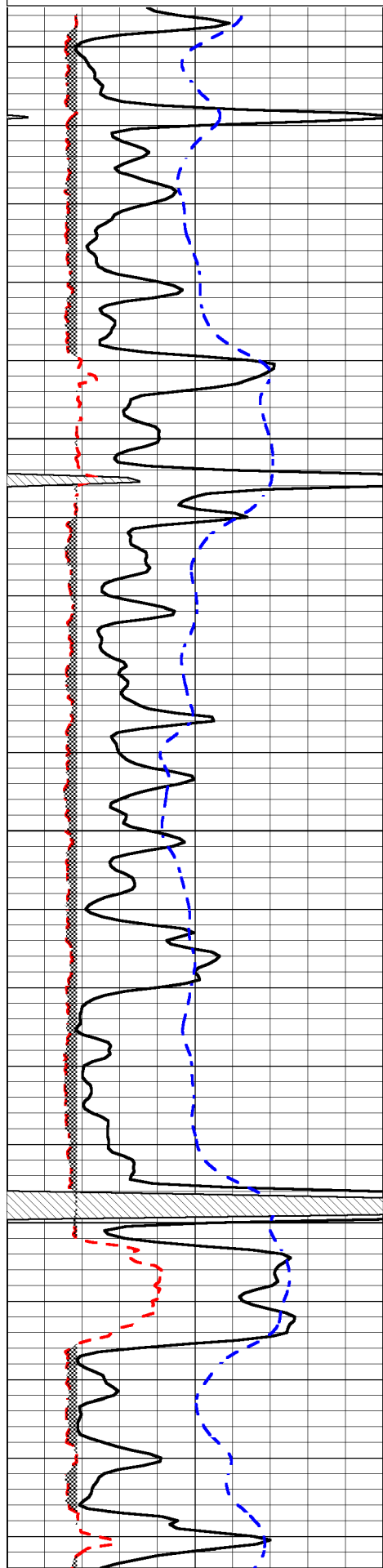
Comments

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

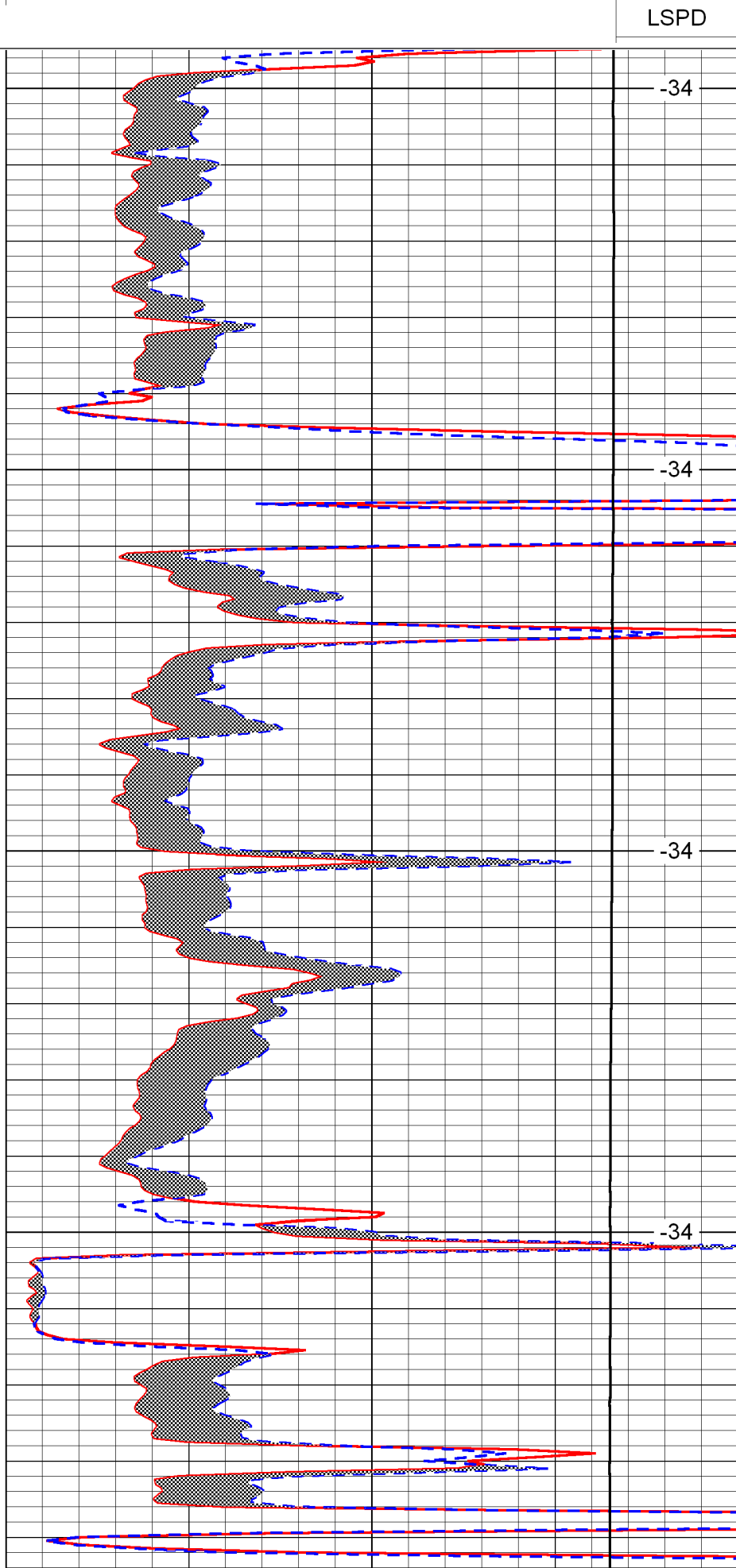
Garden City KS, 5 North to Six Mile RD,
1 East to 3rd Ave. 1 1/2 North, East Into

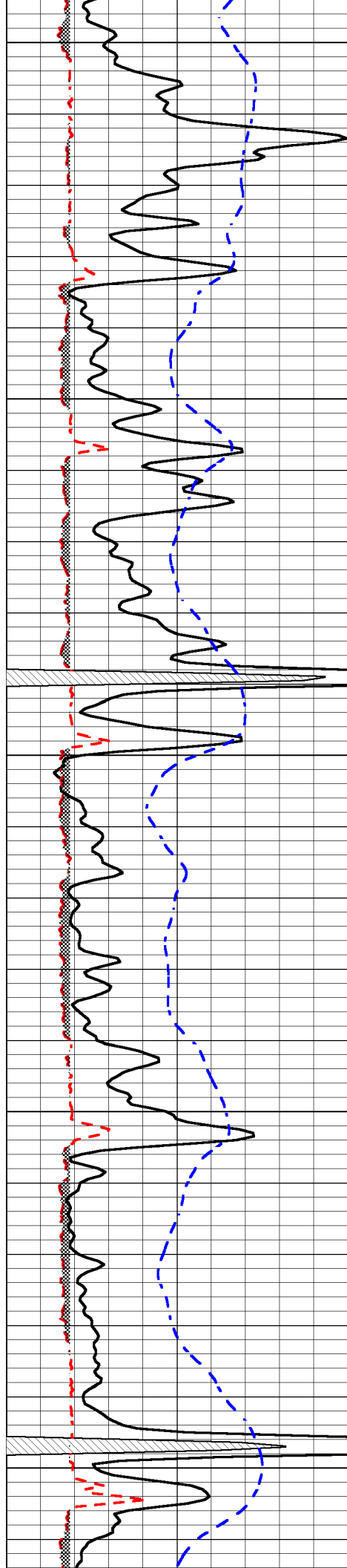
Database File	amwar_o'brate-finney #6-5\amwarrior_obratfinney_6_5hd.db
Dataset Pathname	DIL/awmel
Presentation Format	micro
Dataset Creation	Mon Mar 30 16:06:39 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (in)	16
-200	SP (mV)	0



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





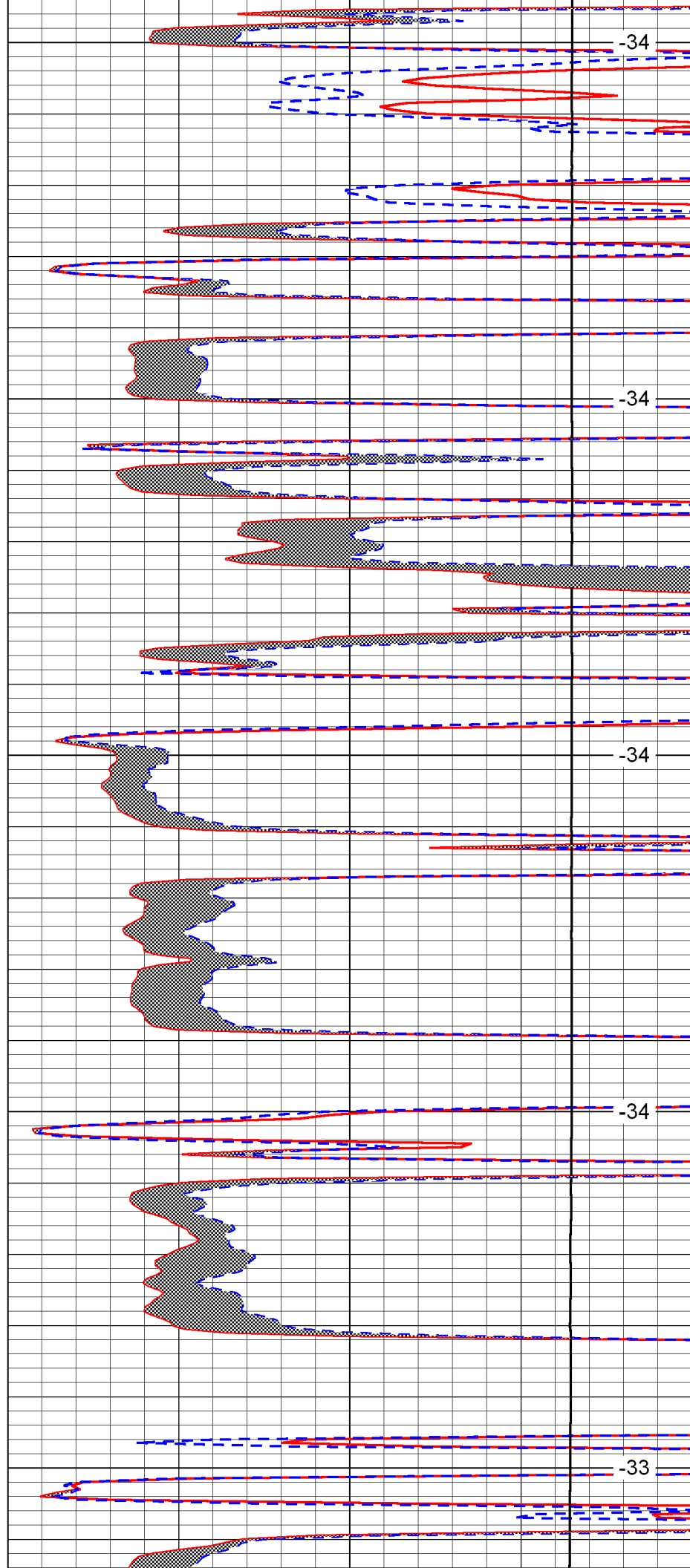
3900

3950

4000

4050

4100



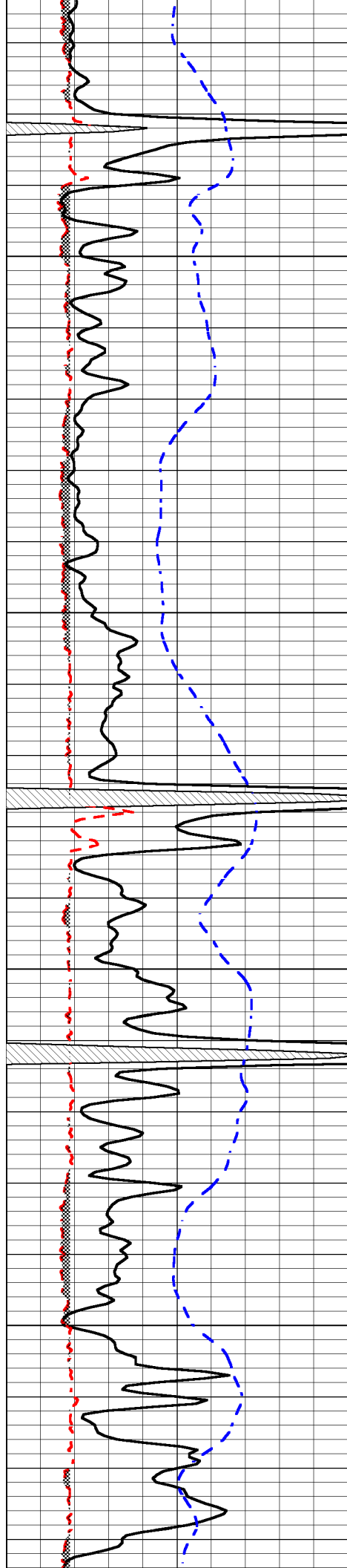
-34

-34

-34

-34

-33

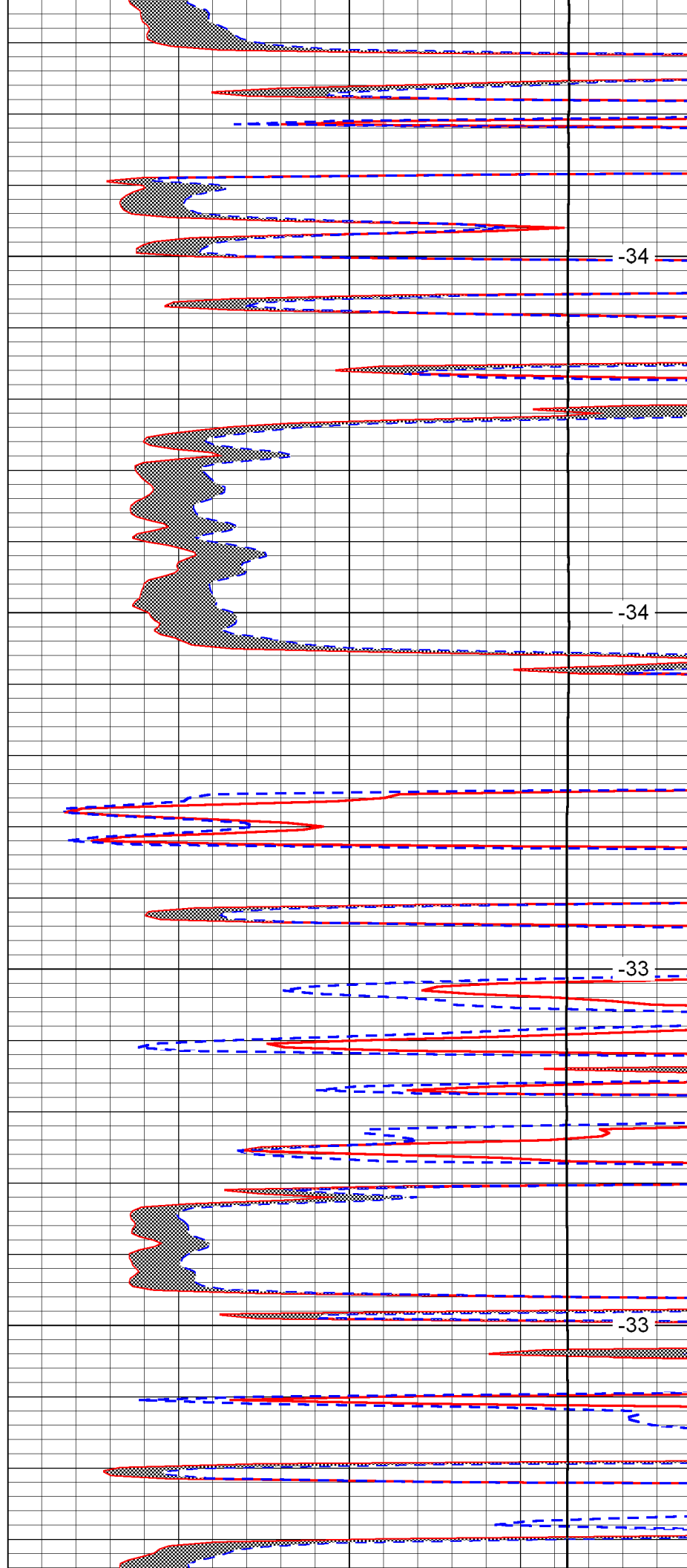


4150

4200

4250

4300

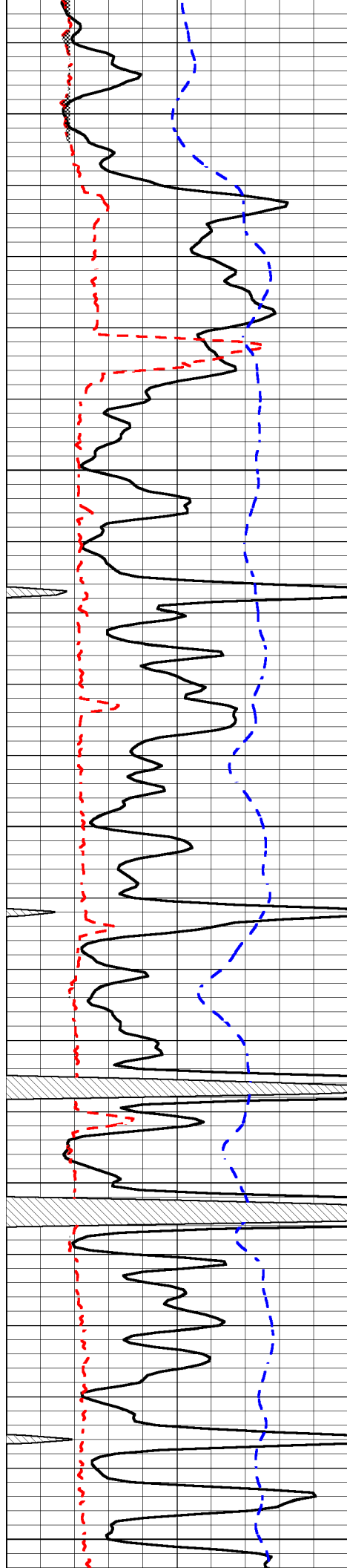


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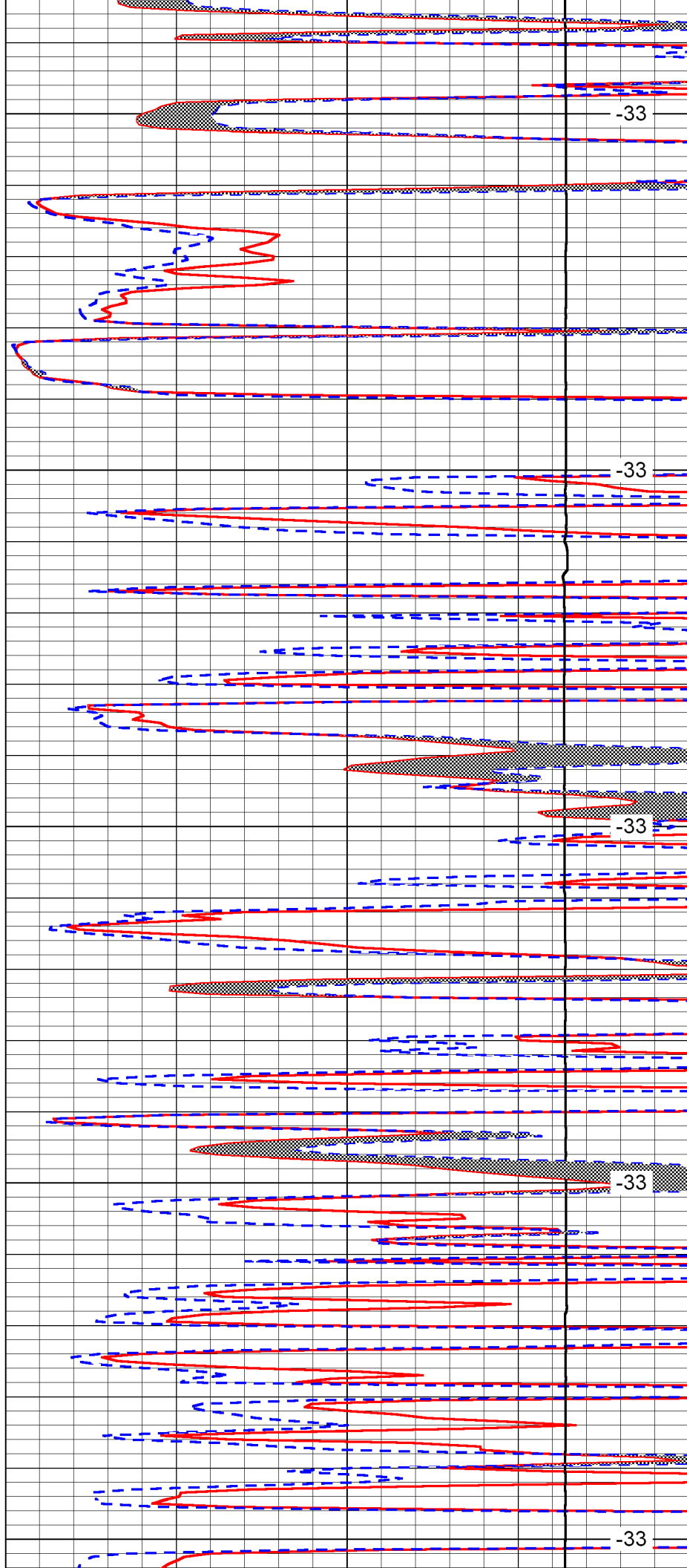
4350

4400

4450

4500

4550



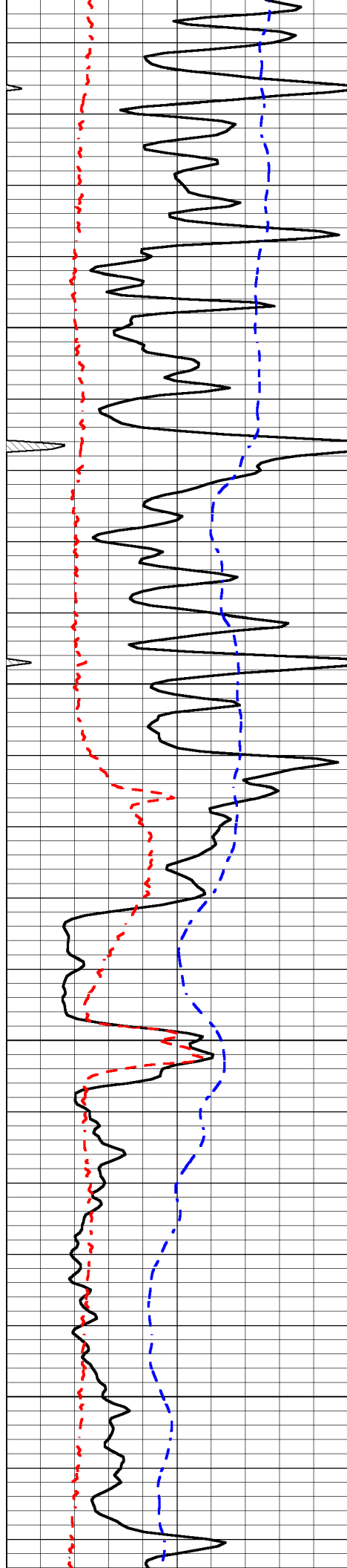
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4600

4650

4700

4750

