



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.	15-009-25743-00-00		
Company	RJM Company		
Well	Ervin Schneider #1		
Field	Hlavaty		
County	Barton	State	Kansas
Location	S/2 NE NW SE 2200' FSL / 1650' FEL		
Sec: 31	Twp: 17S	Rge: 14W	Other Services CNL/CDL DIL/BHCS
Permanent Datum	Ground Level	Elevation 1907	Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 1912 D.F. 1907 G.L. 1907
Drilling Measured From	Kelly Bushing		
Date	9/3/2012		
Run Number	Two		
Depth Driller	3609		
Depth Logger	3606		
Bottom Logged Interval	3605		
Top Log Interval	2800		
Casing Driller	8.625 @ 920		
Casing Logger	912		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5000		
Density / Viscosity	9.5	51	
pH / Fluid Loss	8.5	10.8	
Source of Sample	Flowline		
Rm @ Meas. Temp	0.12 @ 78		
Rmf @ Meas. Temp	0.09 @ 78		
Rmc @ Meas. Temp	0.16 @ 78		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.08 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	17		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Chris Hoffman		

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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.

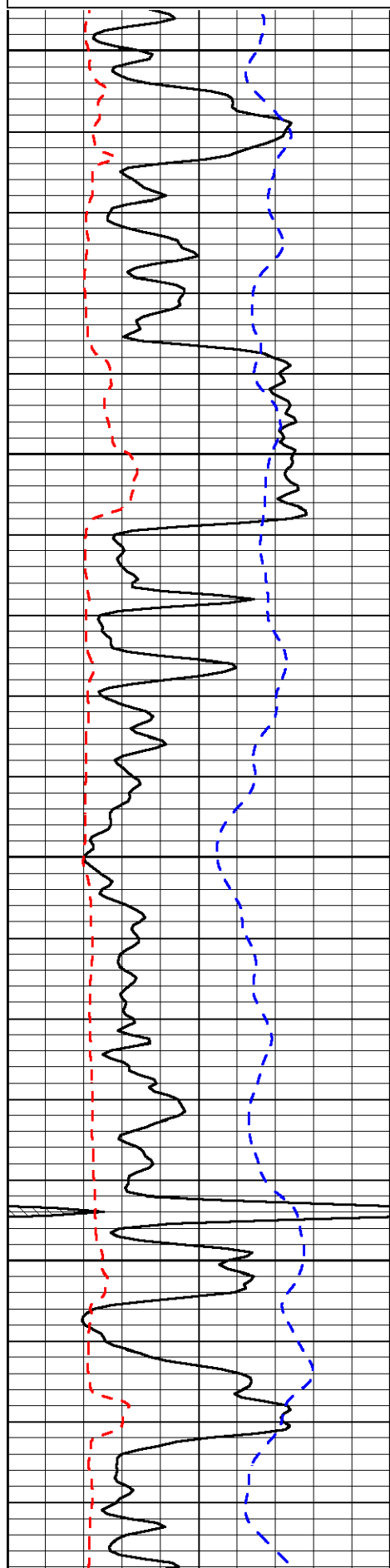
Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Olmitz, KS:
Hwy 4: E to 70 Rd., 1S, 1/2W, N into

Database File: rjm_hd.db
Dataset Pathname: dil/rjmmain
Presentation Format: micro
Dataset Creation: Mon Sep 03 01:00:51 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



2800

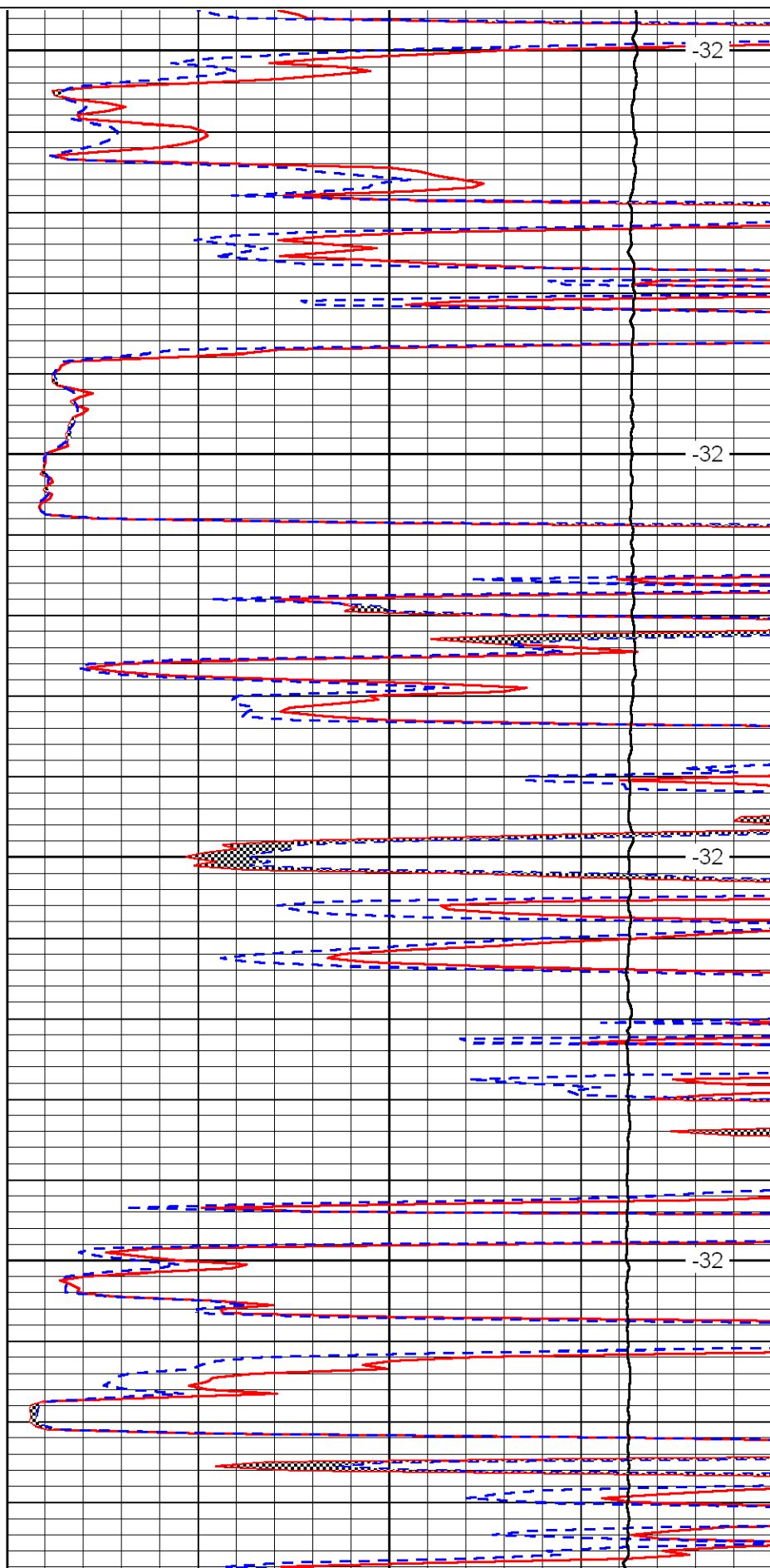
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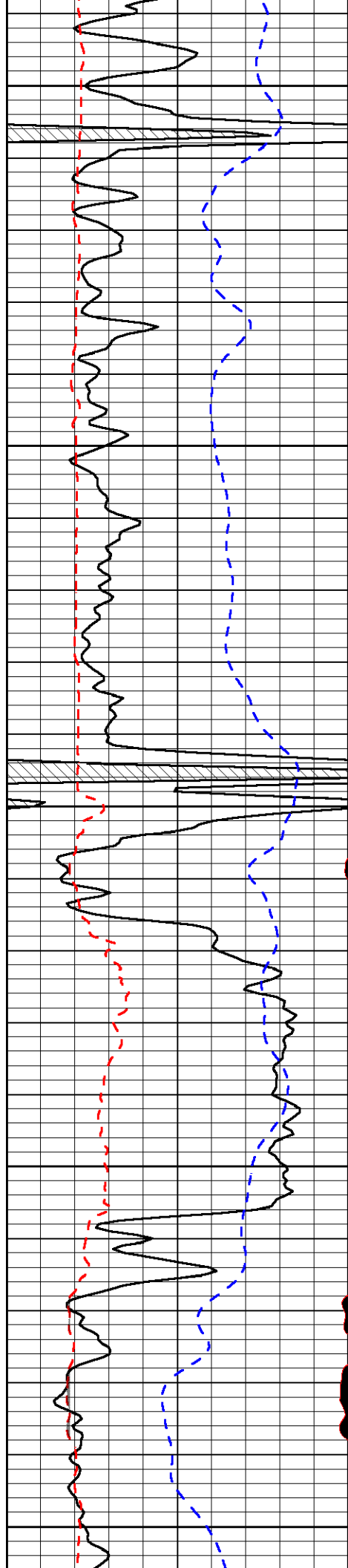
2900

2950

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD





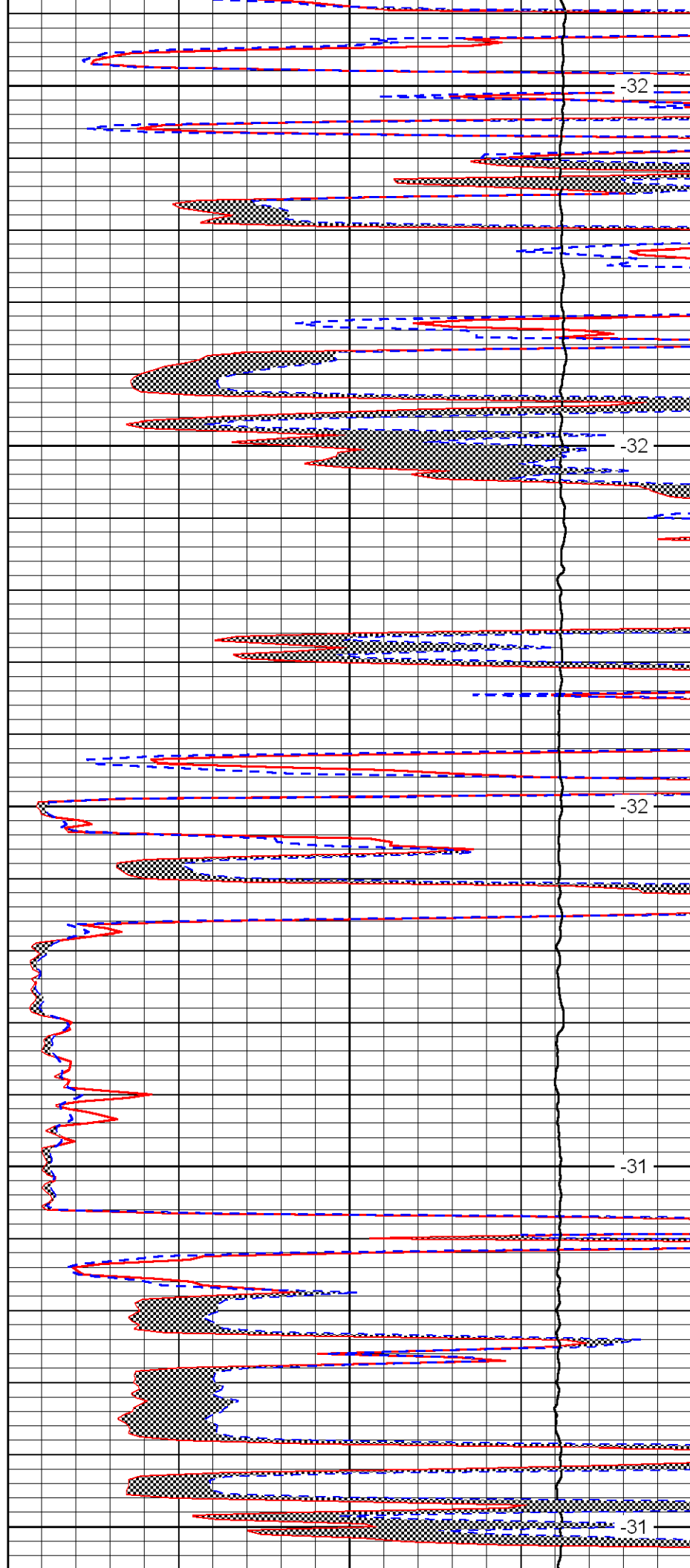
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3050

3100

3150

3200



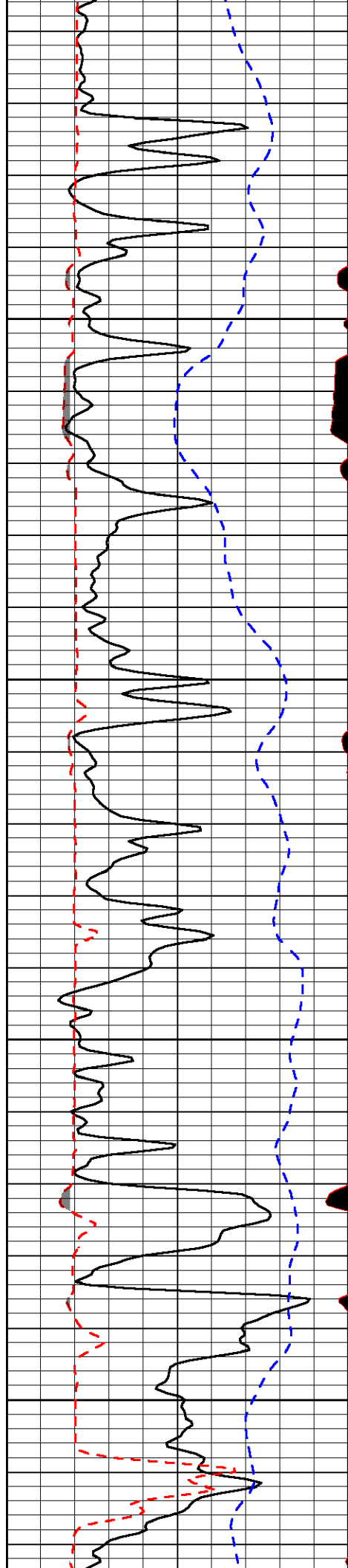
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-32

-32

-31

-31

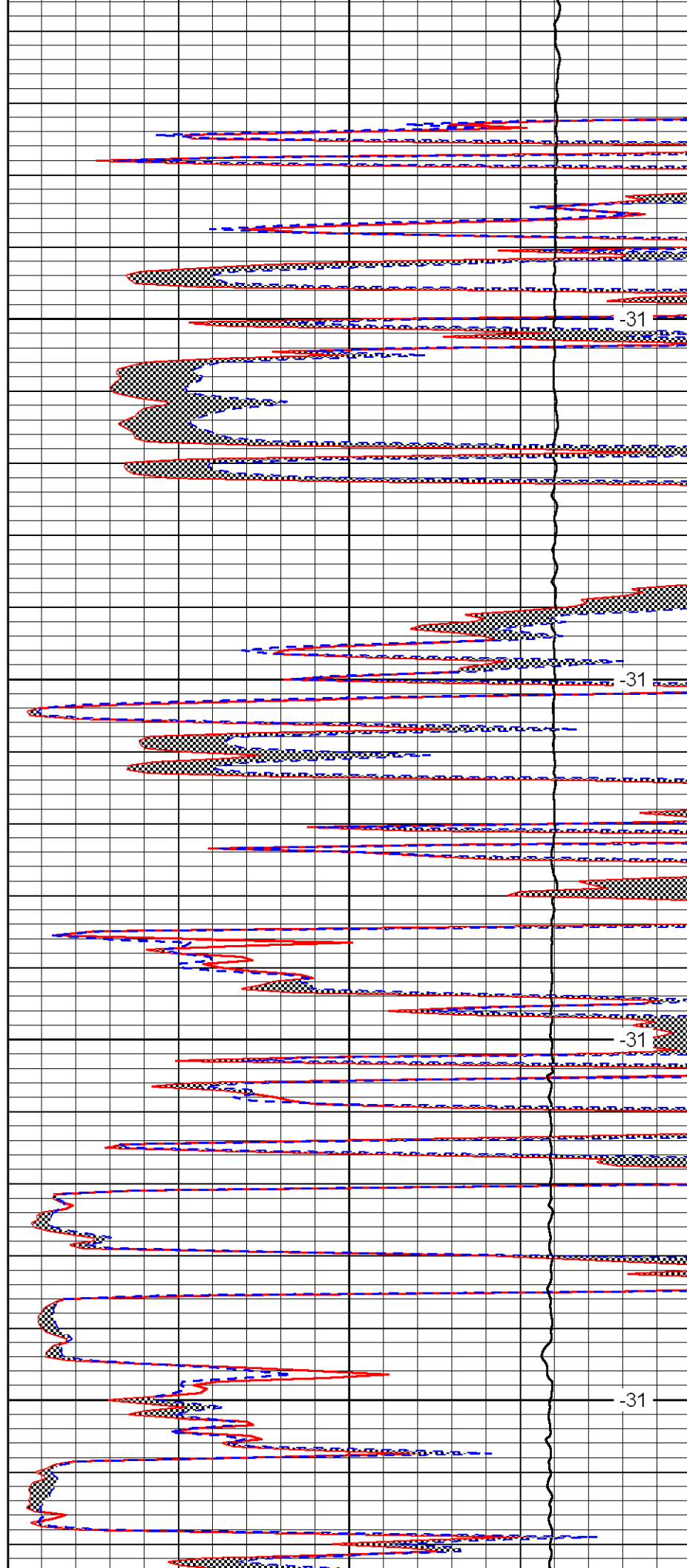


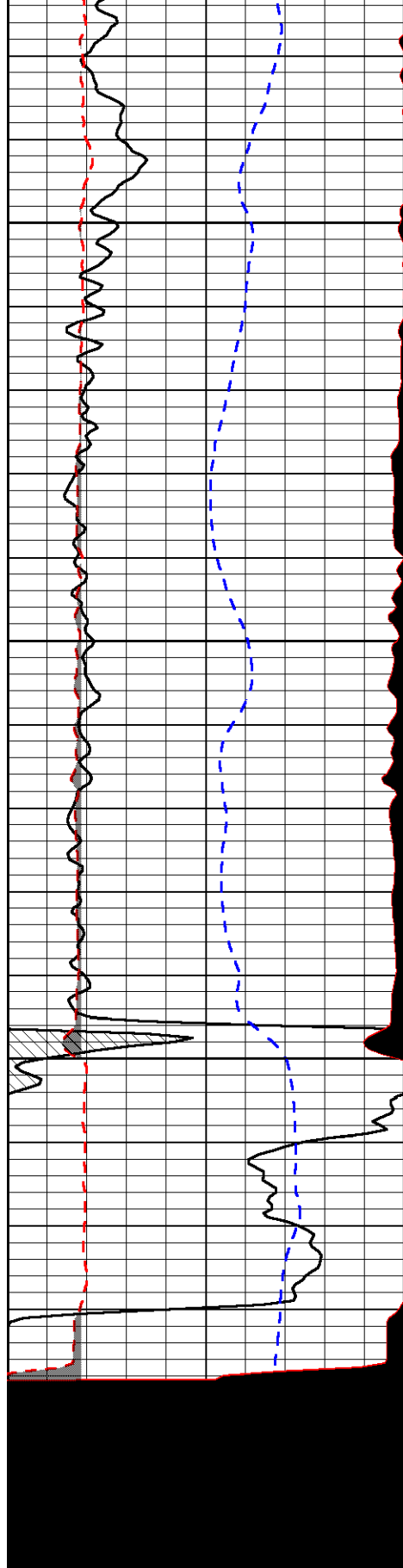
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3300

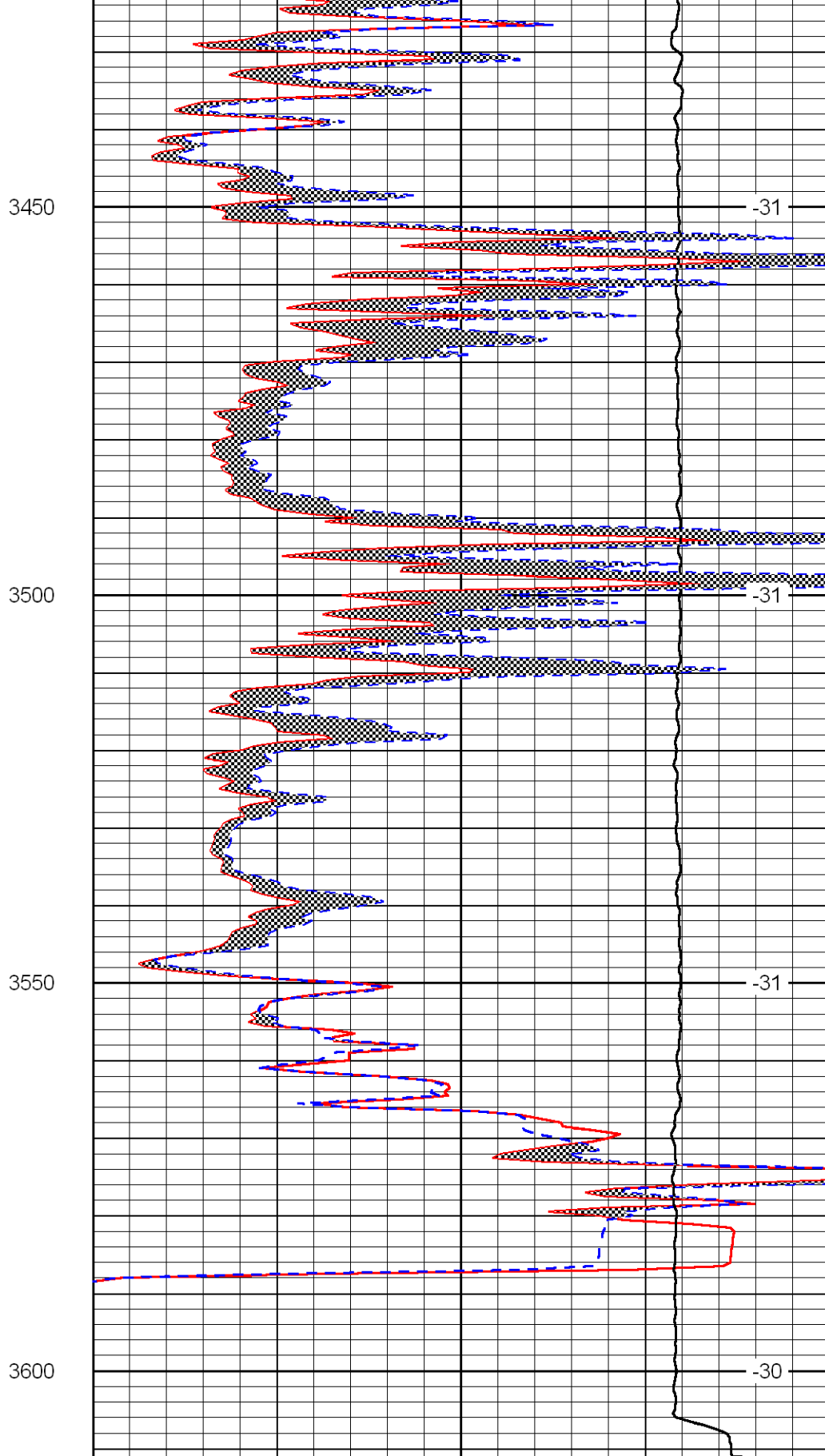
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3400





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