

LOG-TECH



DIGITAL LOG (785) 625-3858

Microresistivity Log

API No. 15-179-21,283-00-00

Company **Pioneer Oil Company, Inc.**
 Well **Schamberger No. 1**
 Field **Freda**
 County **Sheridan** State **Kansas**

Location **1086' FSL & 1179' FEL**

Sec: **33** Twp: **8 S** Rge: **28 W**

Other Services
 CDL/CNL
 DIL/BHCS

Permanent Datum **Ground Level** Elevation **2670**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
 K.B. 2675
 D.F. 2670
 G.L. 2670

Date	5/23/2012
Run Number	Two
Depth Driller	4065
Depth Logger	4071
Bottom Logged Interval	4070
Top Log Interval	3400
Casing Driller	8.625 @ 220
Casing Logger	220
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4.600
Density / Viscosity	9.4 56
pH / Fluid Loss	10.5 7.2
Source of Sample	Flowline
Rm @ Meas. Temp	.55 @ 77
Rmf @ Meas. Temp	.41 @ 77
Rmc @ Meas. Temp	.74 @ 77
Source of Rmf / Rmc	Charts
Rm @ BHT	.36 @ 117
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	117
Equipment Number	17
Location	Hays
Recorded By	D. Martin
Witnessed By	Kurt Talbott

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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

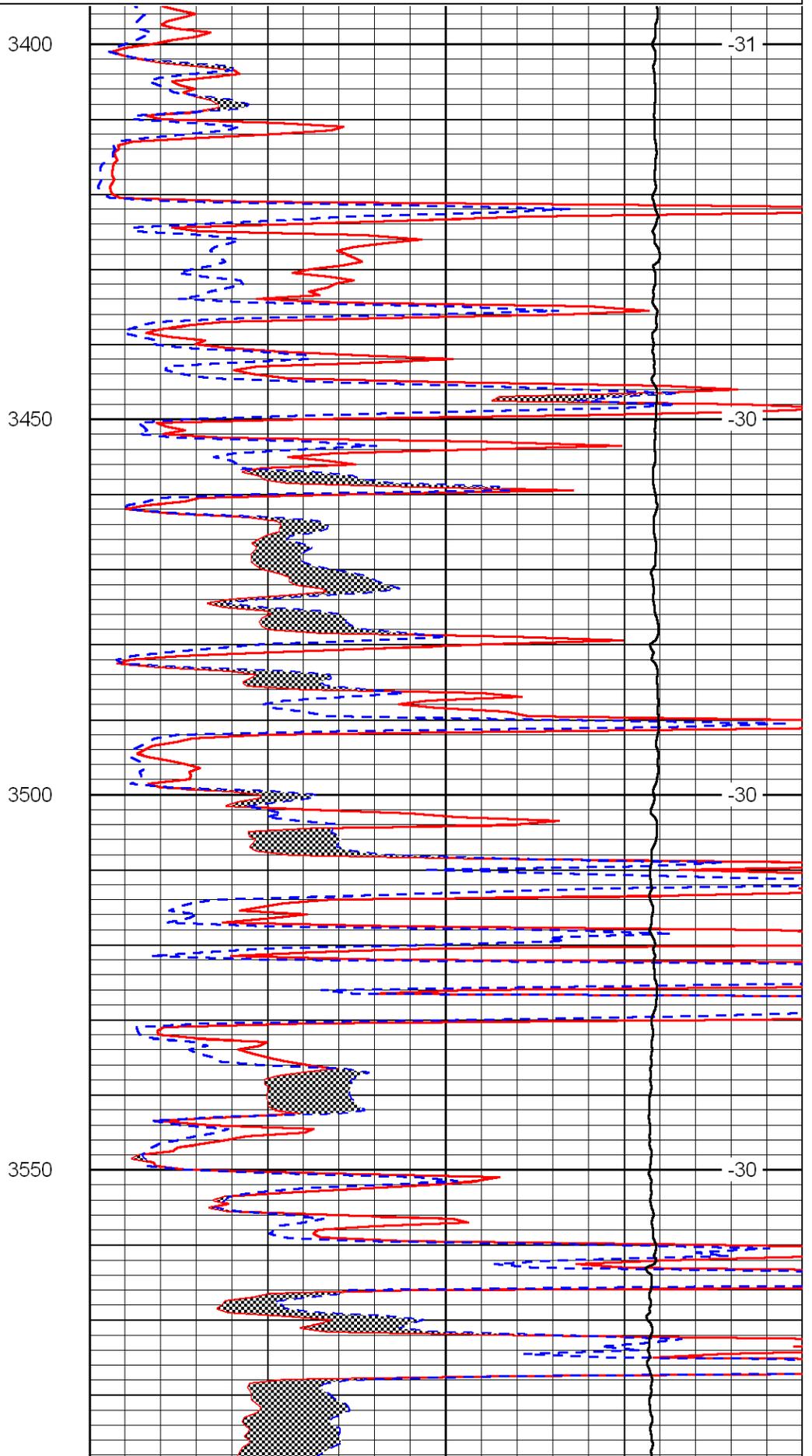
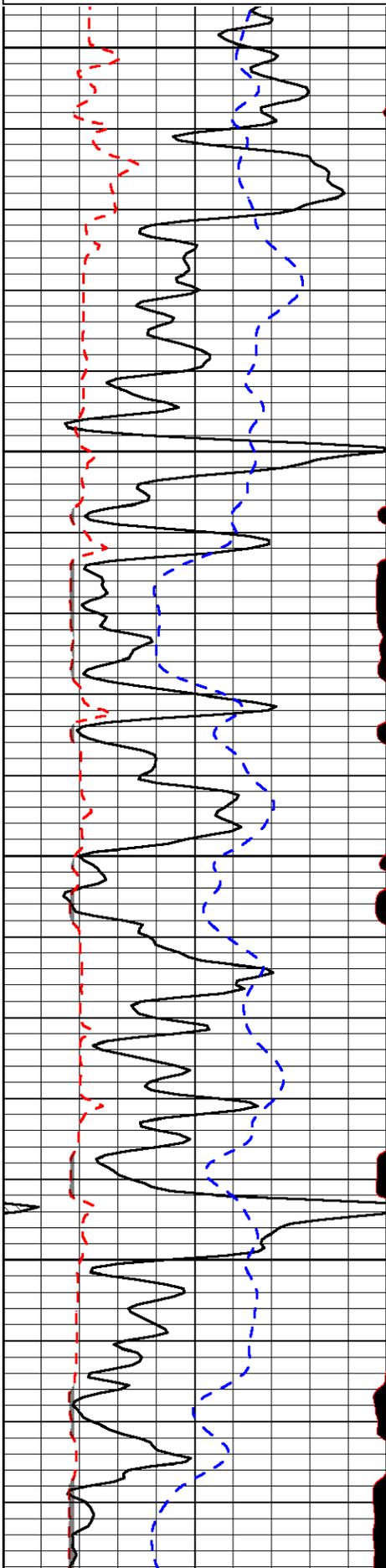
Thank you for using Log-Tech, Inc.
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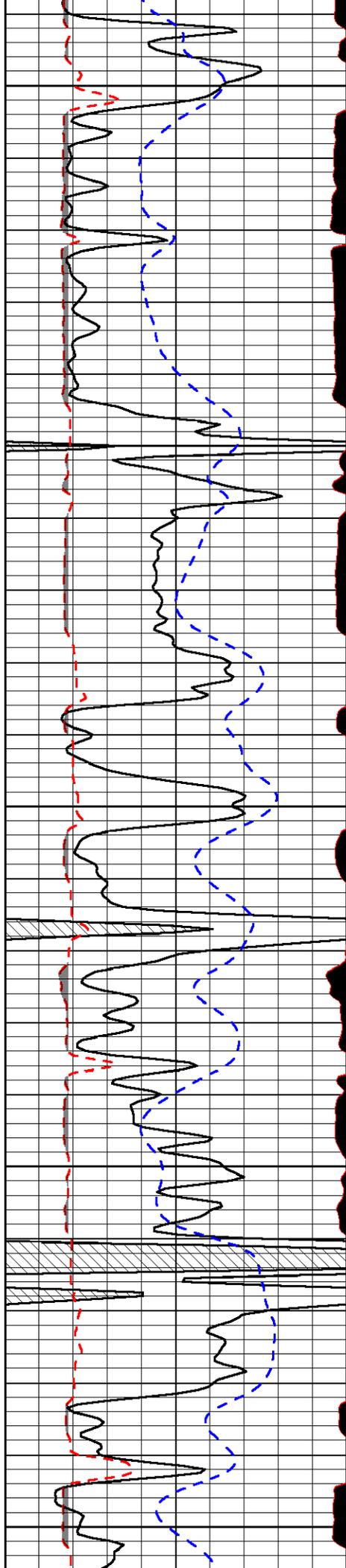
Hoxie, KS
 3 S, 1/10 W, N Into

Database File: piohd.db
 Dataset Pathname: DIL/piostk
 Presentation Format: micro
 Dataset Creation: Wed May 23 13:32:00 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

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





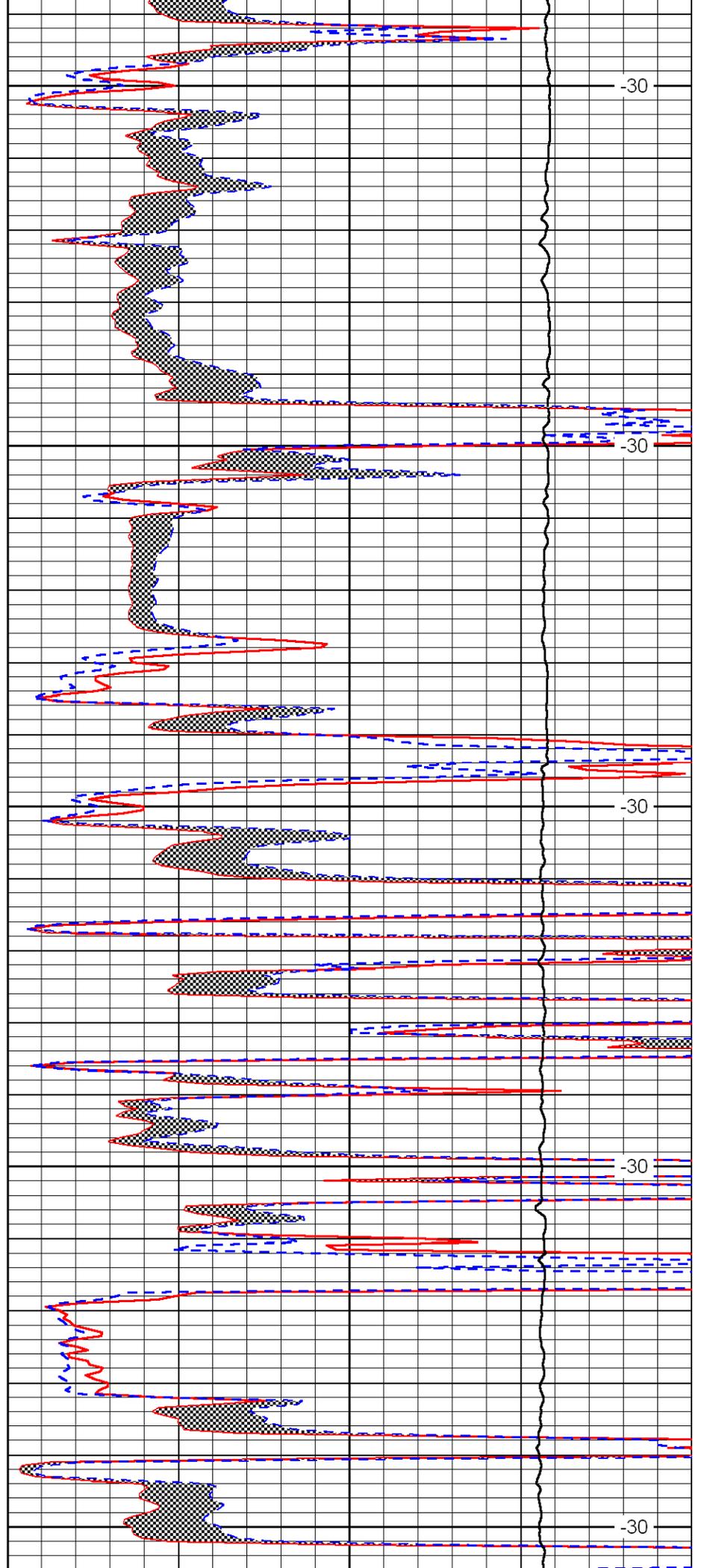
3600

3650

3700

3750

3800



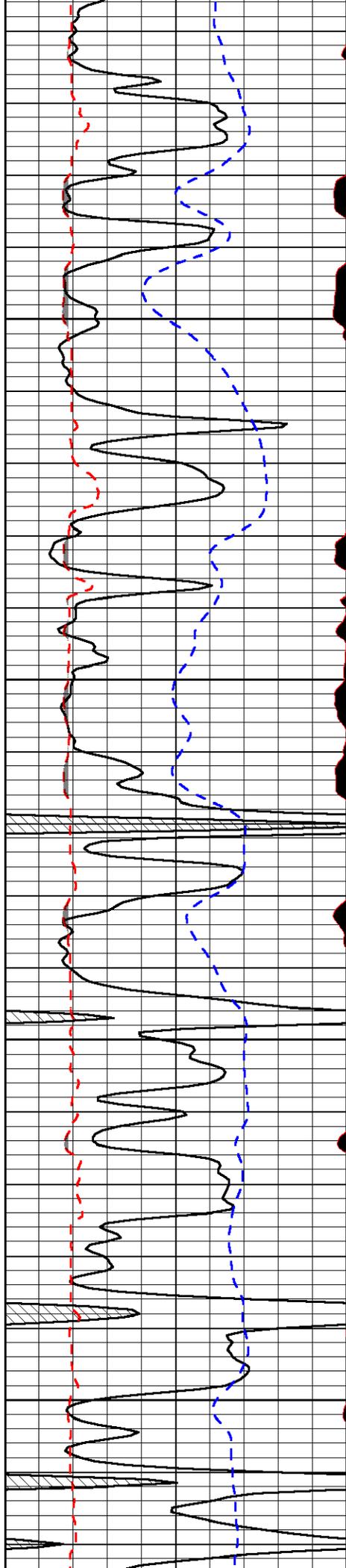
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-30

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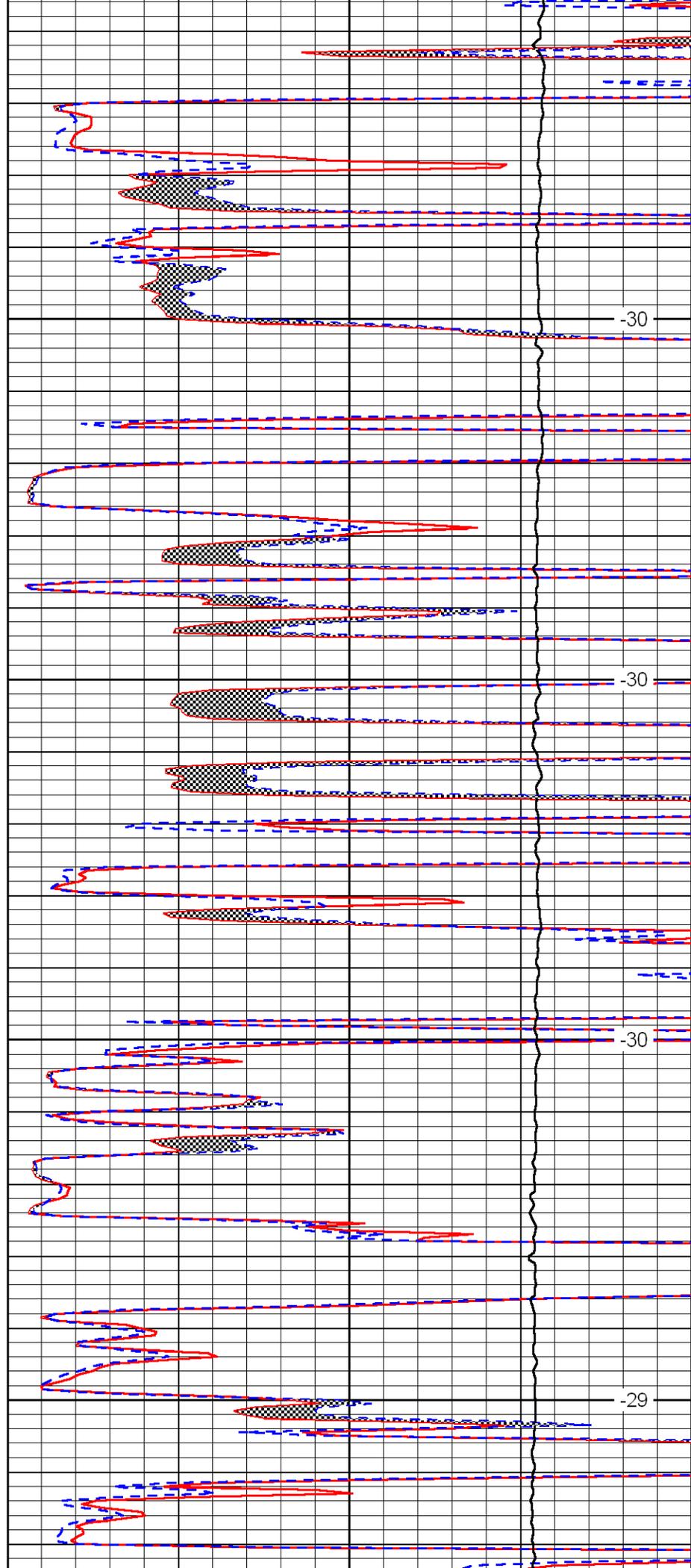


3850

3900

3950

4000

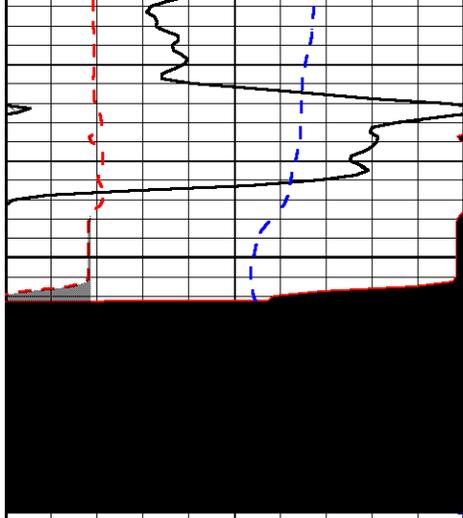


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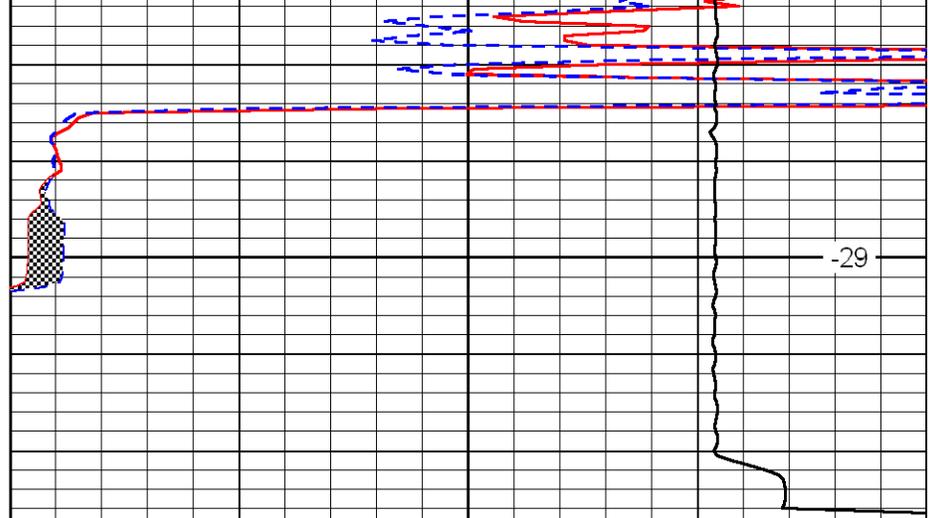
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-29



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-29