



Pioneer Energy Services

Microresistivity Log

API No.	15-009-26,020-00-00		
Company	Hamby Oil, LLC		
Well	Miller No. 3		
Field	Chase-Silica		
County	Barton	State	Kansas
Location	1650' FNL & 2310' FWL		
Sec: 16	Twp: 20s	Rge: 11w	Elevation CNL/CDL DIL
Permanent Datum	Ground Level	Elevation 1767	K.B. 1775
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	D.F. 1767
Drilling Measured From	Kelly Bushing		G.L. 1767

Date	5/8/2014
Run Number	Two
Depth Driller	3365
Depth Logger	3366
Bottom Logged Interval	3365
Top Log Interval	2700
Casing Driller	8.625 @ 267
Casing Logger	264
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	9500
Density / Viscosity	9.2 48
pH / Fluid Loss	8.0 12.0
Source of Sample	Flowline
Rm @ Meas. Temp	.36 @ 72
Rmf @ Meas. Temp	.27 @ 72
Rmc @ Meas. Temp	.49 @ 72
Source of Rmf / Rmc	Charts
Rm @ BHT	.24 @ 110
Operating Rig Time	4 Hours
Max Rec. Temp. F	110
Equipment Number	108
Location	Hays
Recorded By	D. Fischer
Witnessed By	Kurt Talbot

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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

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(785) 625-3858

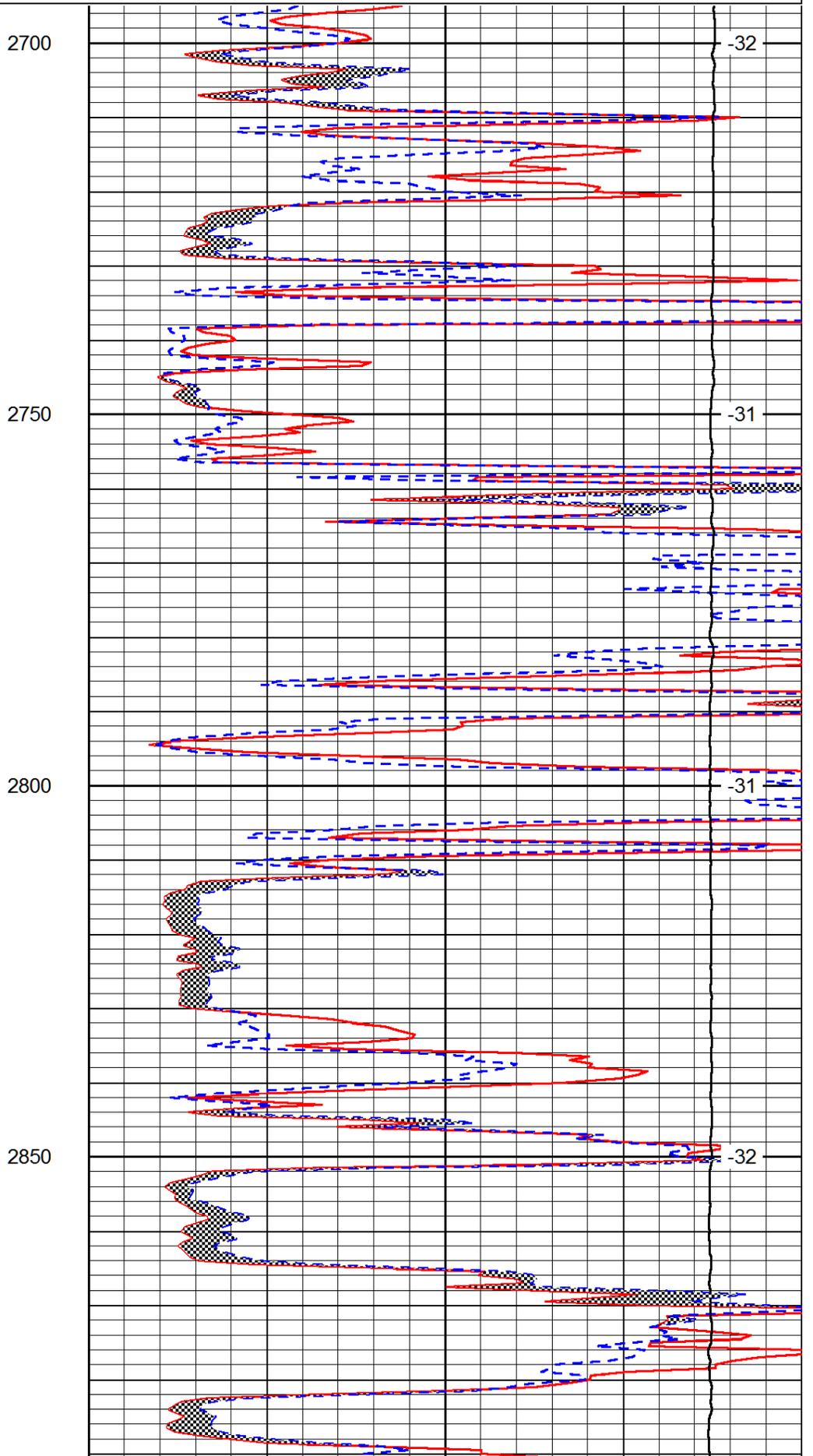
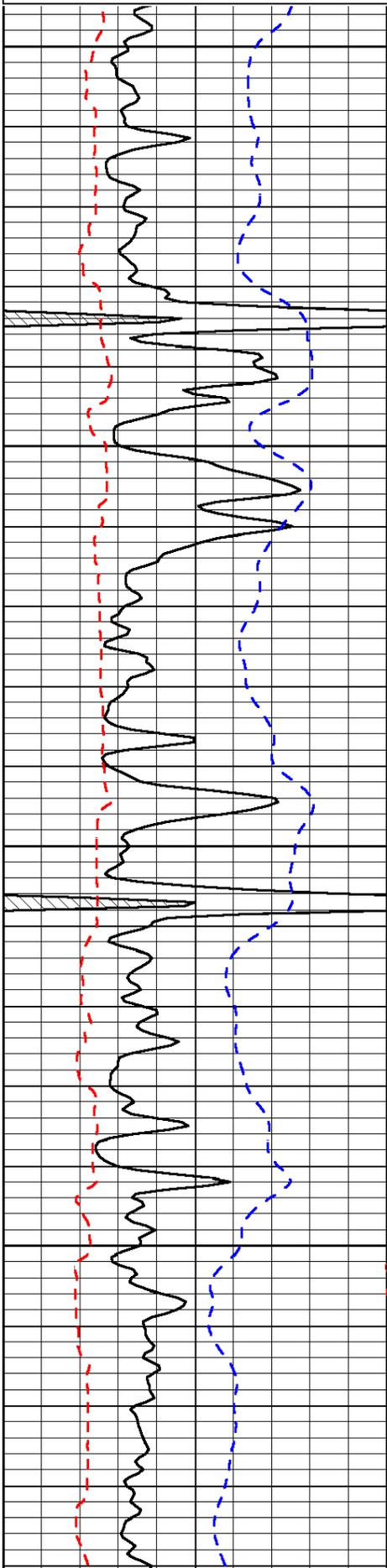
Ellinwood Ks., 2 South, 2 East, 1/2 South, East Into.

Database File: hamby_oil_miller_3hd.db
 Dataset Pathname: DIL/hbymain
 Presentation Format: micro
 Dataset Creation: Mon Sep 08 12:59:42 2014
 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 (mV)	0

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

LSPD



2700

-32

2750

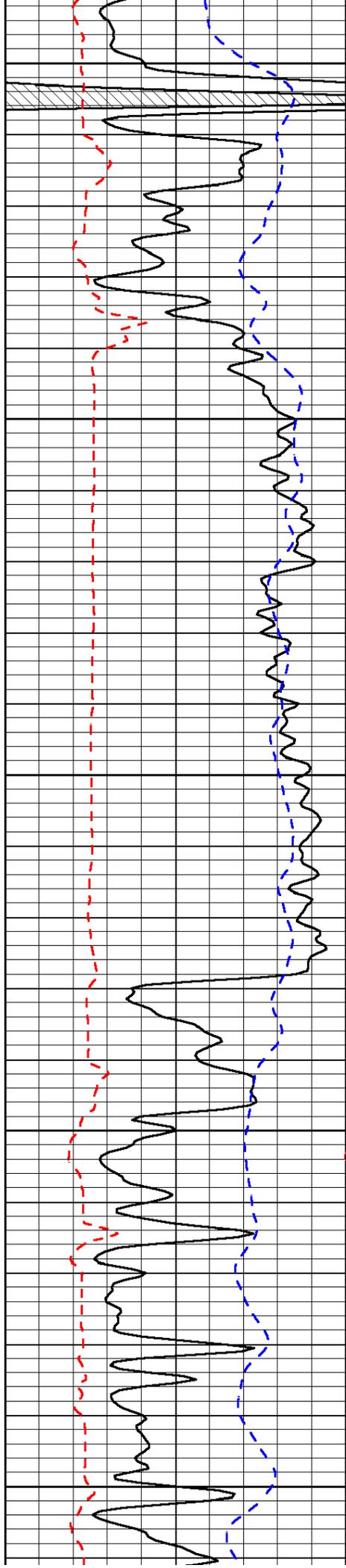
-31

2800

-31

2850

-32



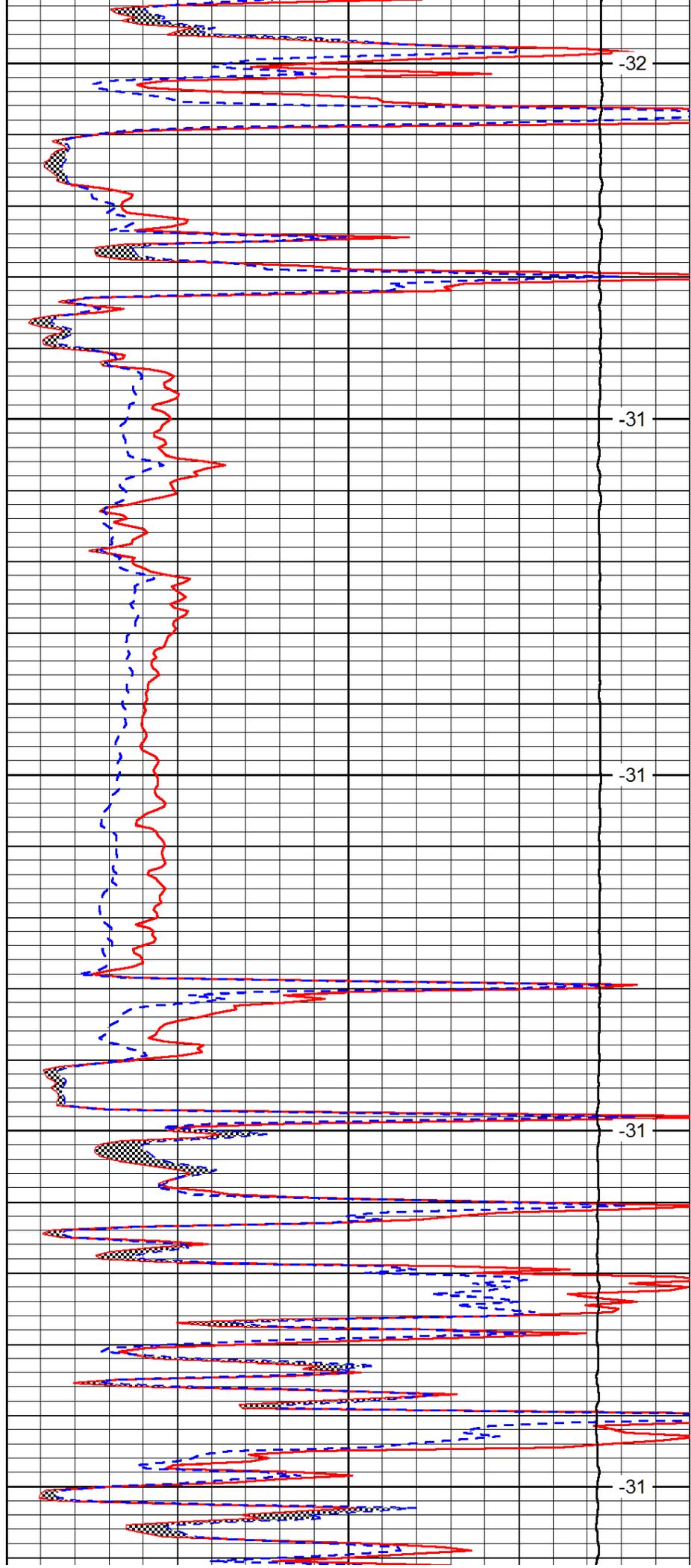
2900

2950

3000

3050

3100



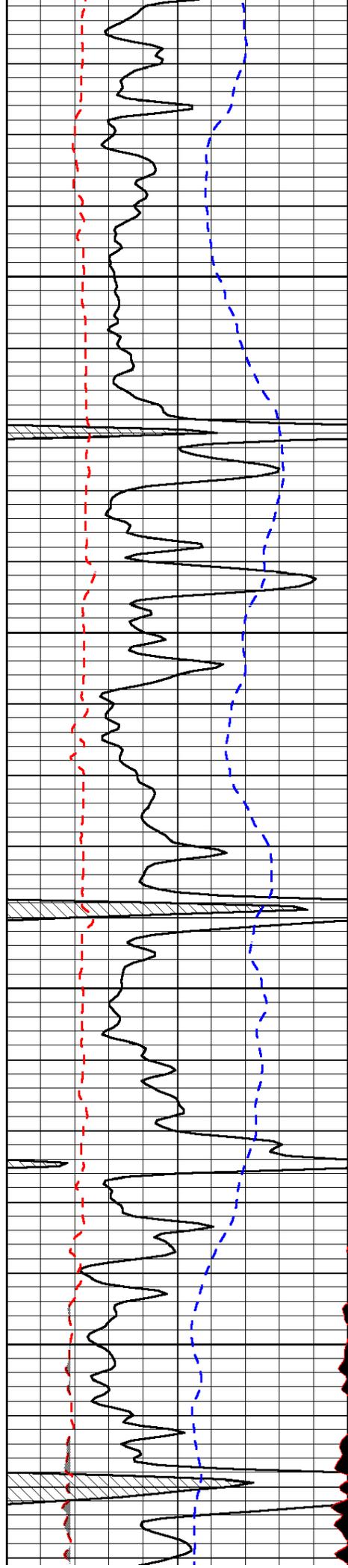
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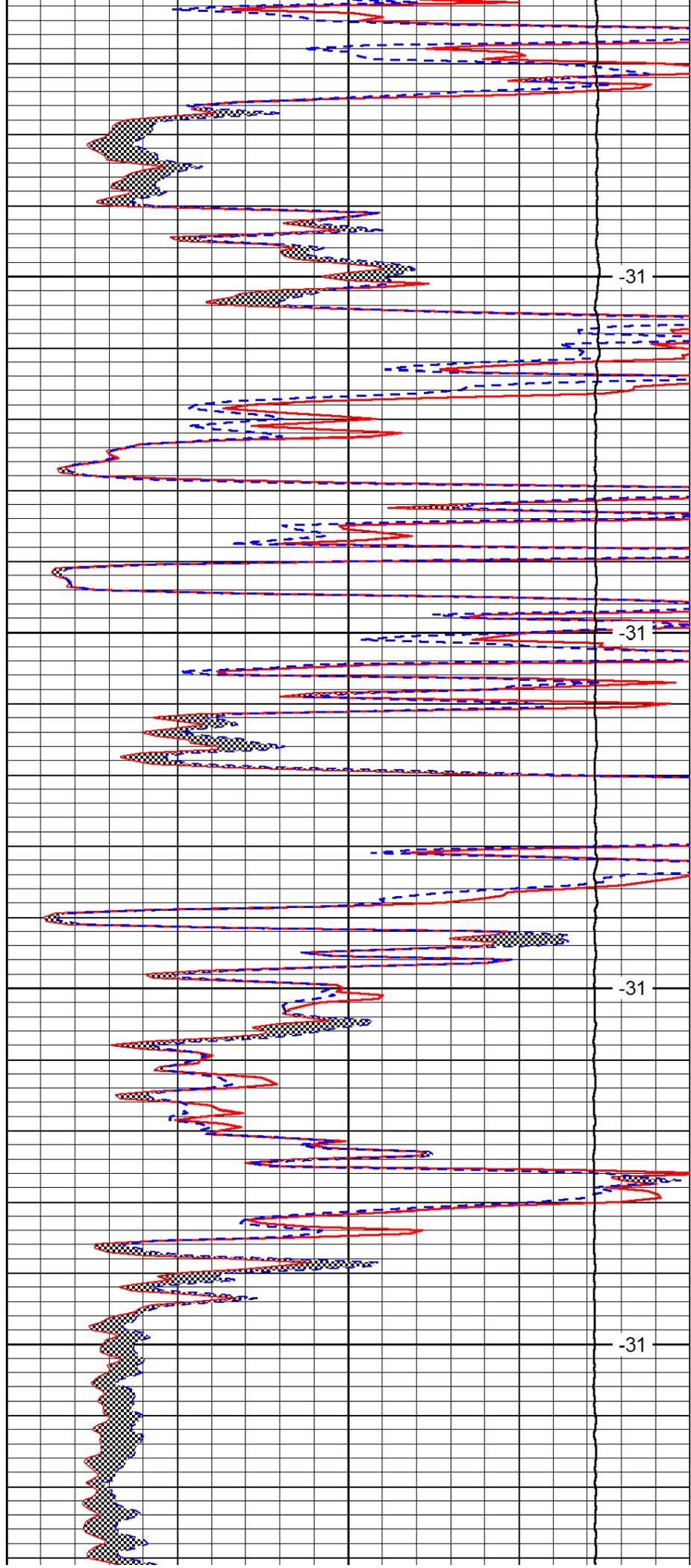


3150

3200

3250

3300

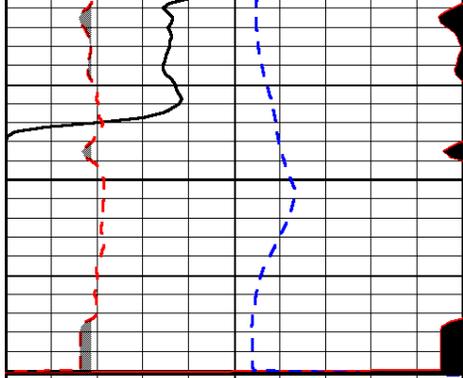


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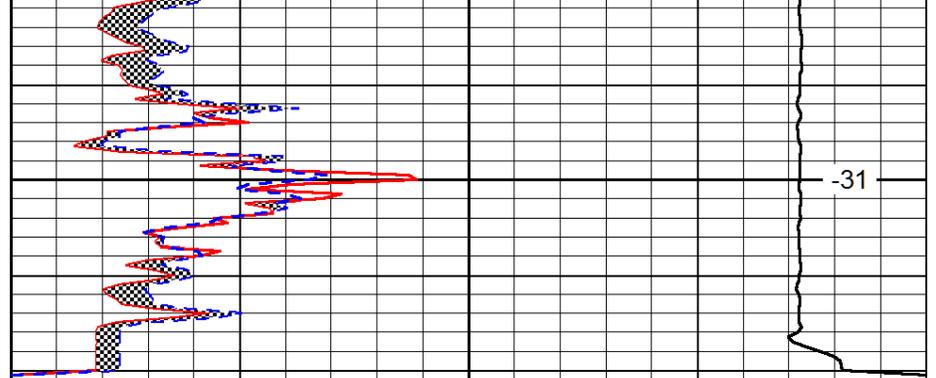
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