



Pioneer Energy Services

Microresistivity Log

API No.	15-065-24,094-00-00	
Company	H&C Oil Operating, Inc.	
Well	Berland Trust No.35-1	
Field	Wildcat	
County	Graham	State
		Kansas
Location	1900' FNL & 1200' FEL	
Sec: 35	Twp: 8S	Rge: 21W
Permanent Datum	Ground Level	Elevation 2122
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL DIL
		Elevation K.B. 2129 D.F. 2122 G.L. 2122

Date	1/15/2015
Run Number	Two
Depth Driller	3815
Depth Logger	3813
Bottom Logged Interval	3812
Top Log Interval	3000
Casing Driller	8.625 @ 219
Casing Logger	224
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1,600
Density / Viscosity	9.3 54
pH / Fluid Loss	10.5 7.2
Source of Sample	Flowline
Rm @ Meas. Temp	1.2 @ 45
Rmf @ Meas. Temp	.9 @ 45
Rmc @ Meas. Temp	1.62 @ 45
Source of Rmf / Rmc	Charts
Rm @ BHT	.49 @ 111
Operating Rig Time	3 1/2 Hours
Max Rec. Temp. F	111
Equipment Number	51
Location	Hays
Recorded By	C. Desaire
Witnessed By	Marc Downing

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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

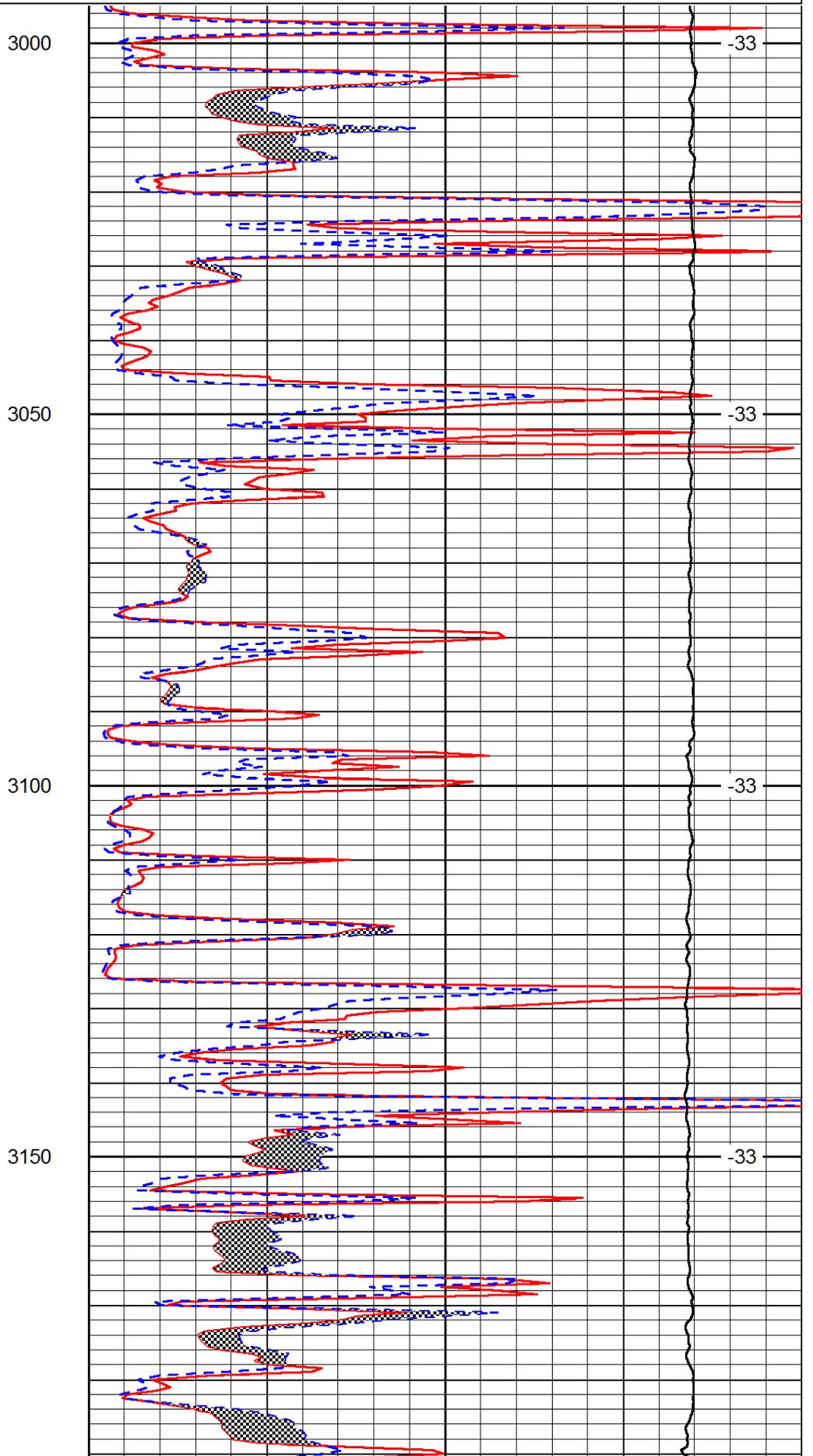
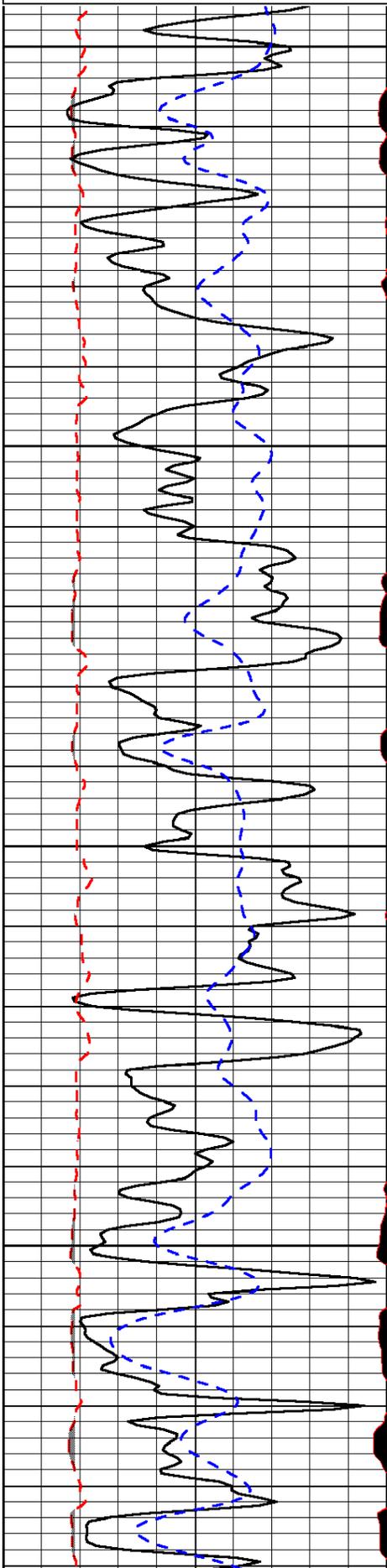
Damar KS, W on K18 to 390 Ave,
1 S, 100' W, S Into

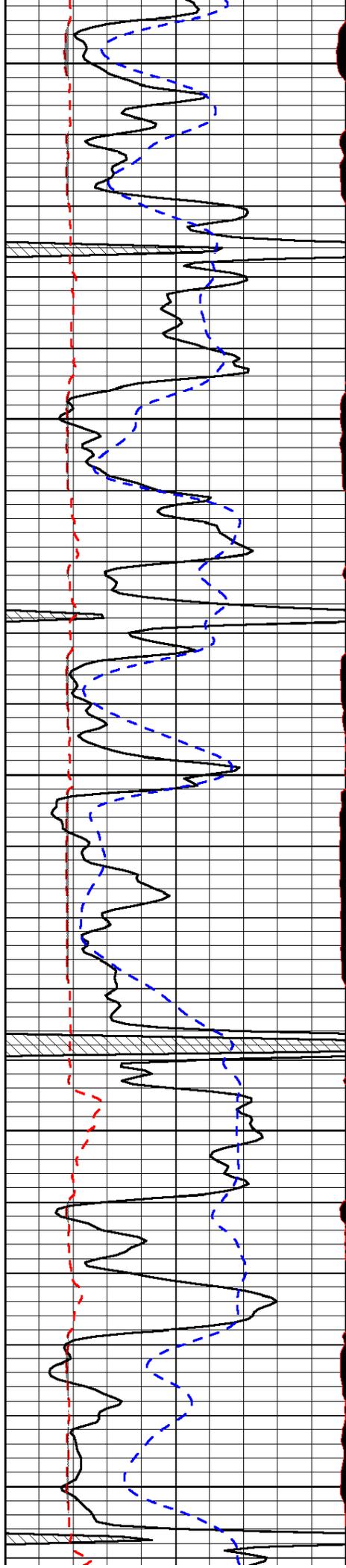
Database File: hchd.db
 Dataset Pathname: dil/hcstk
 Presentation Format: micro
 Dataset Creation: Thu Jan 15 01:34:33 2015
 Charted by: Depth in Feet scaled 1:240

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





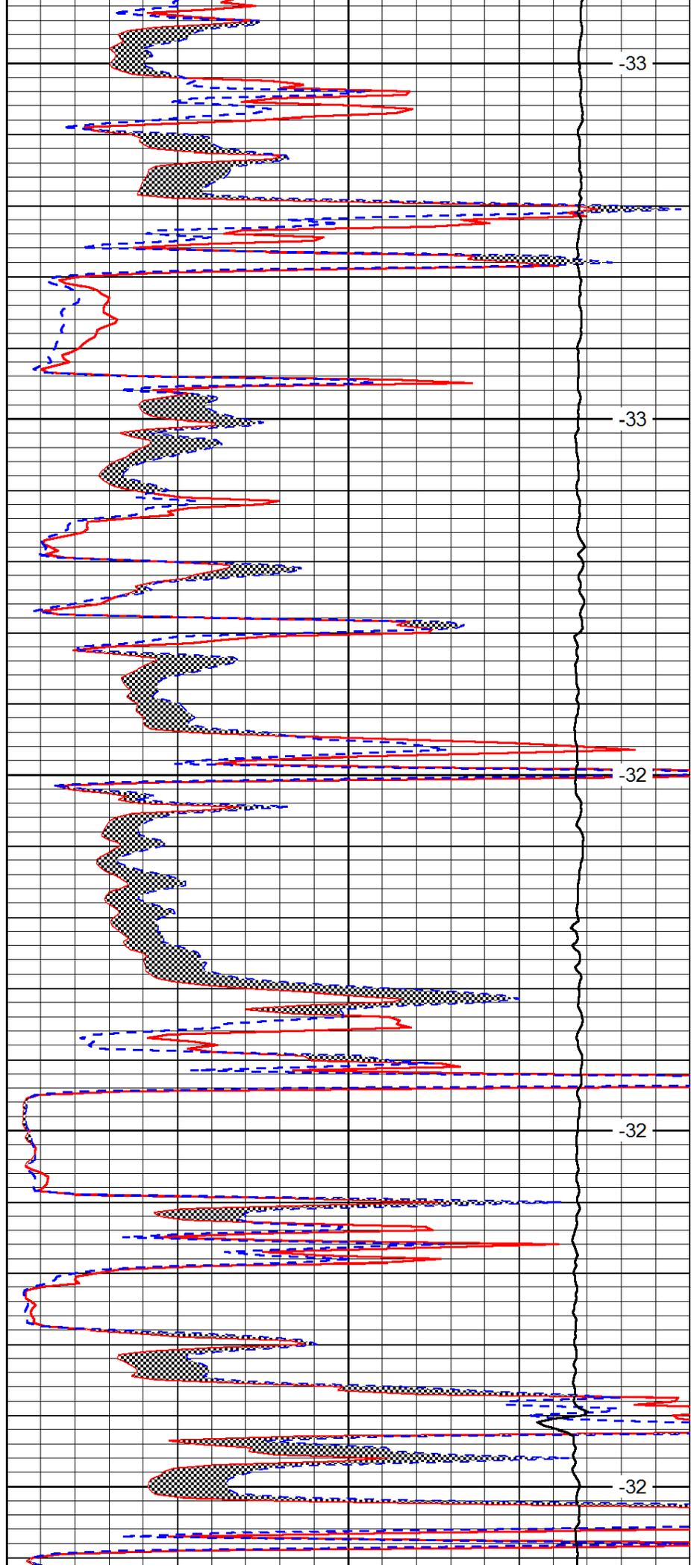
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3250

3300

3350

3400



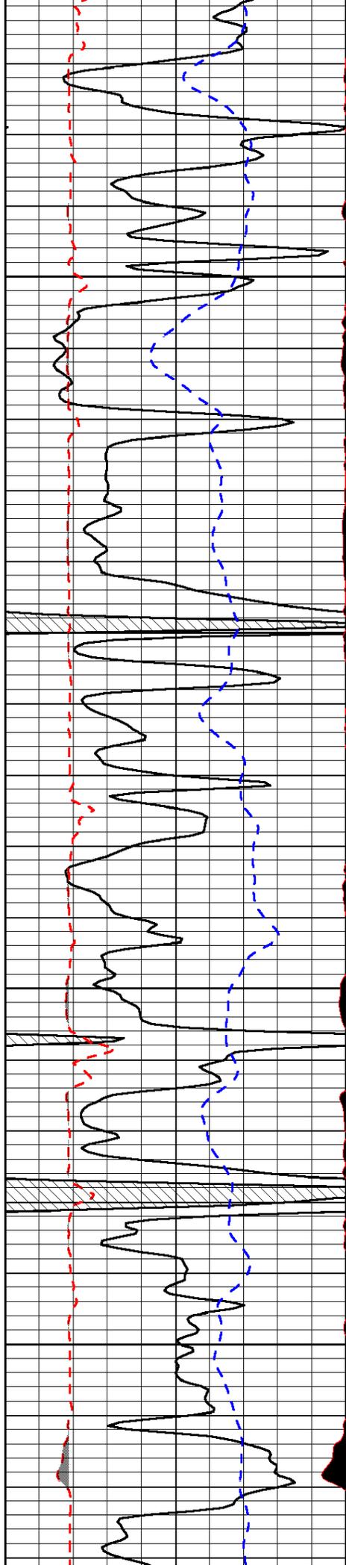
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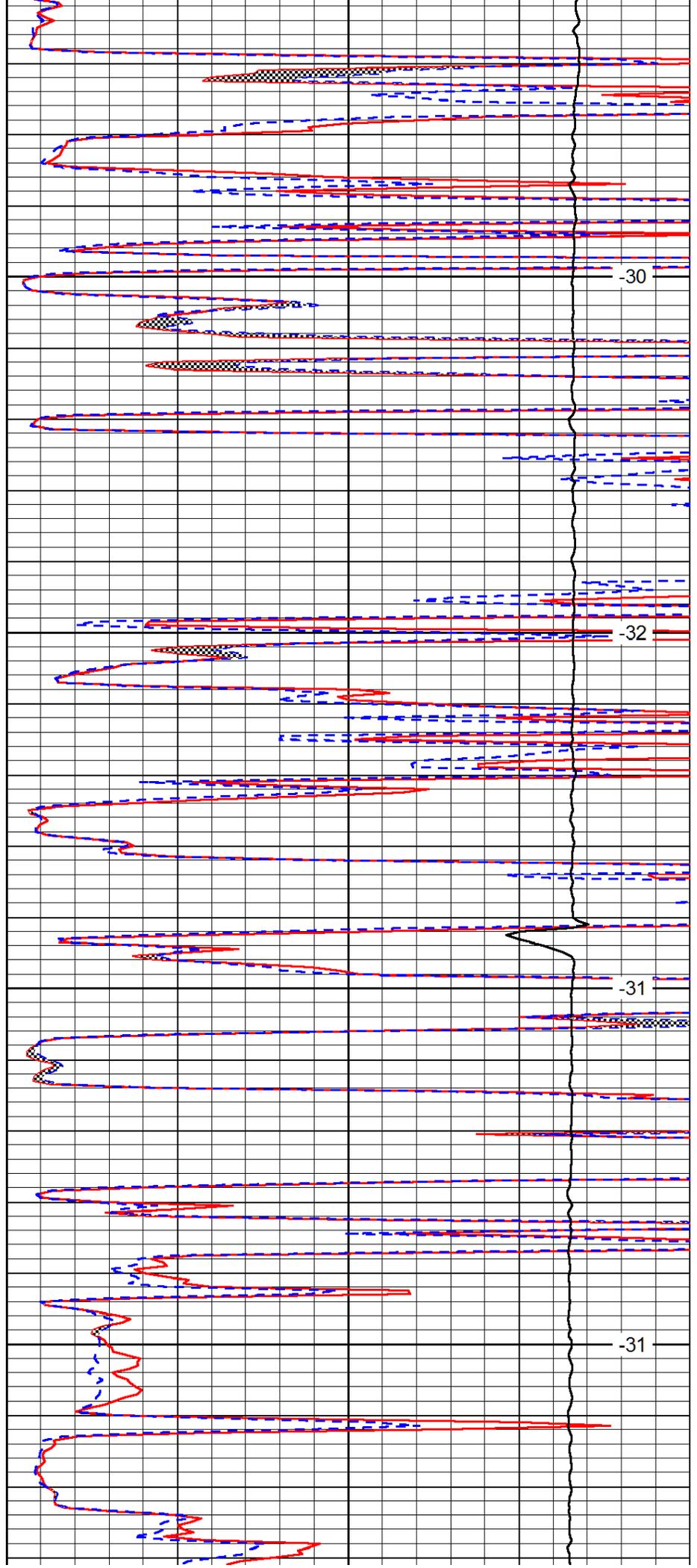


3450

3500

3550

3600

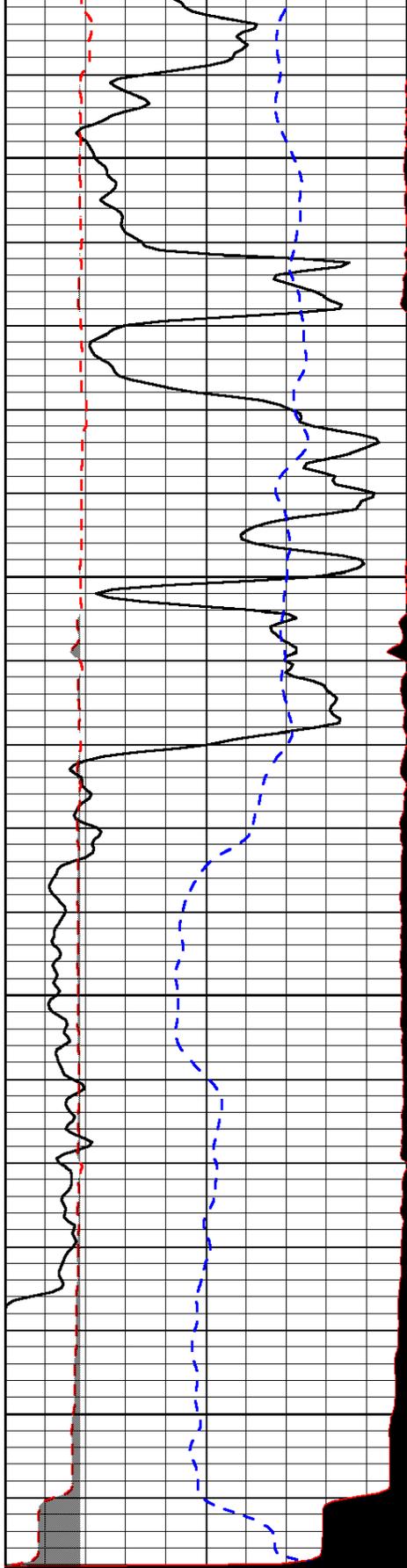


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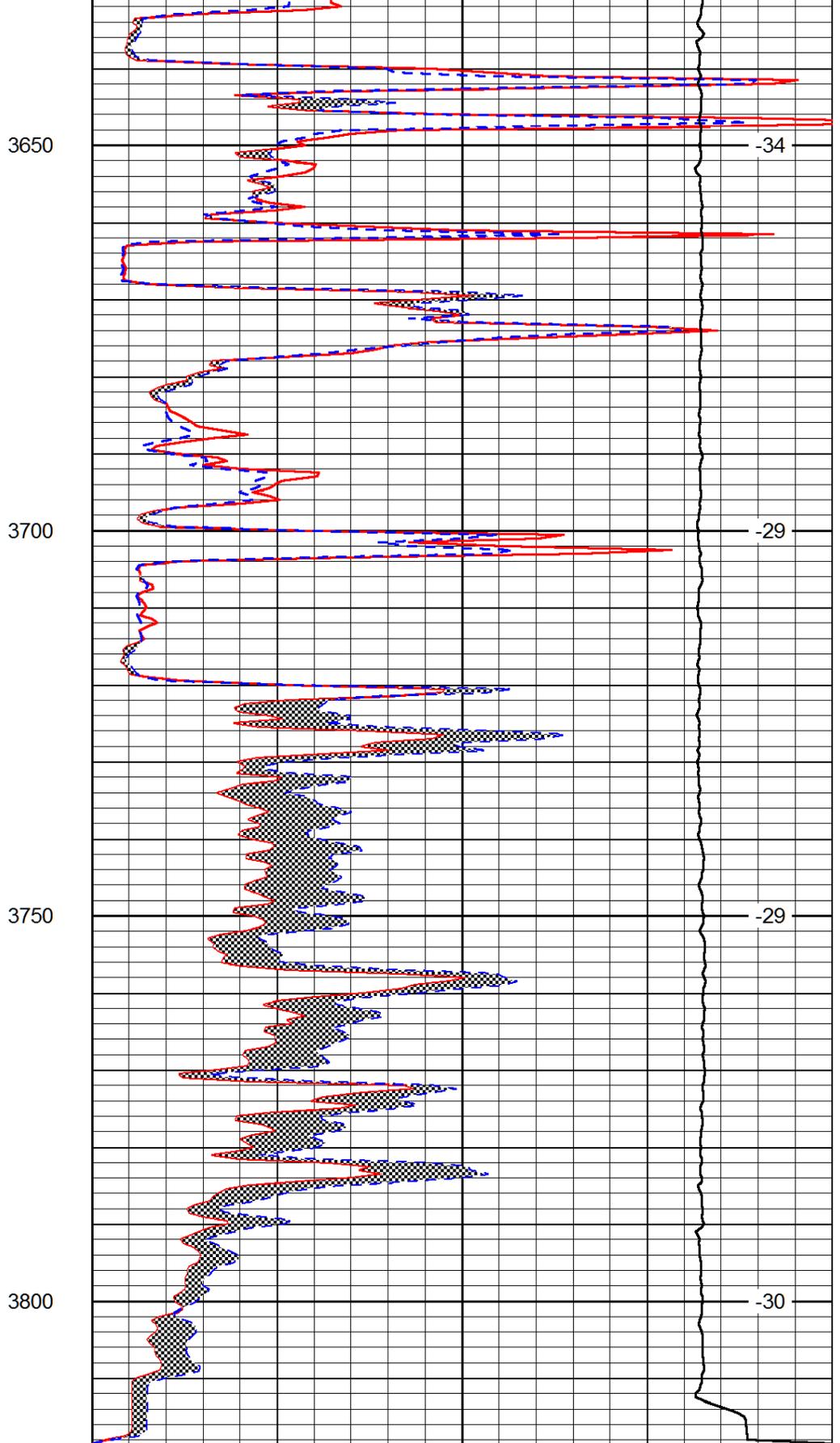
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