



Pioneer Energy Services

Microresistivity Log

15-065-23,971-00-00

API No.	Company H&C Oil Operating, Inc.		
	Well Faulkner No. 14-2		
	Field Railroad Southeast		
	County Graham	State Kansas	
	Location E2-NW-SE-SW 990' FSL & 1800' FWL		
	Sec: 14	Twp: 8S	Rge: 22W
Permanent Datum	Ground Level	Elevation 2117	
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2124 D.F. 2117 G.L. 2117	
	Other Services CNL/CDL DIL		

Date	9/15/13
Run Number	Two
Depth Driller	3623
Depth Logger	3621
Bottom Logged Interval	3620
Top Log Interval	3000
Casing Driller	8.625 @ 223
Casing Logger	222
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1,800
Density / Viscosity	9.2 62
pH / Fluid Loss	10.0 6.2
Source of Sample	Flowline
Rm @ Meas. Temp	.60 @ 78
Rmf @ Meas. Temp	.45 @ 78
Rmc @ Meas. Temp	.81 @ 78
Source of Rmf / Rmc	Charts
Rm @ BHT	.42 @ 112
Operating Rig Time	3 1/2 Hours
Max Rec. Temp. F	112
Equipment Number	108
Location	Hays
Recorded By	J. Henrickson
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

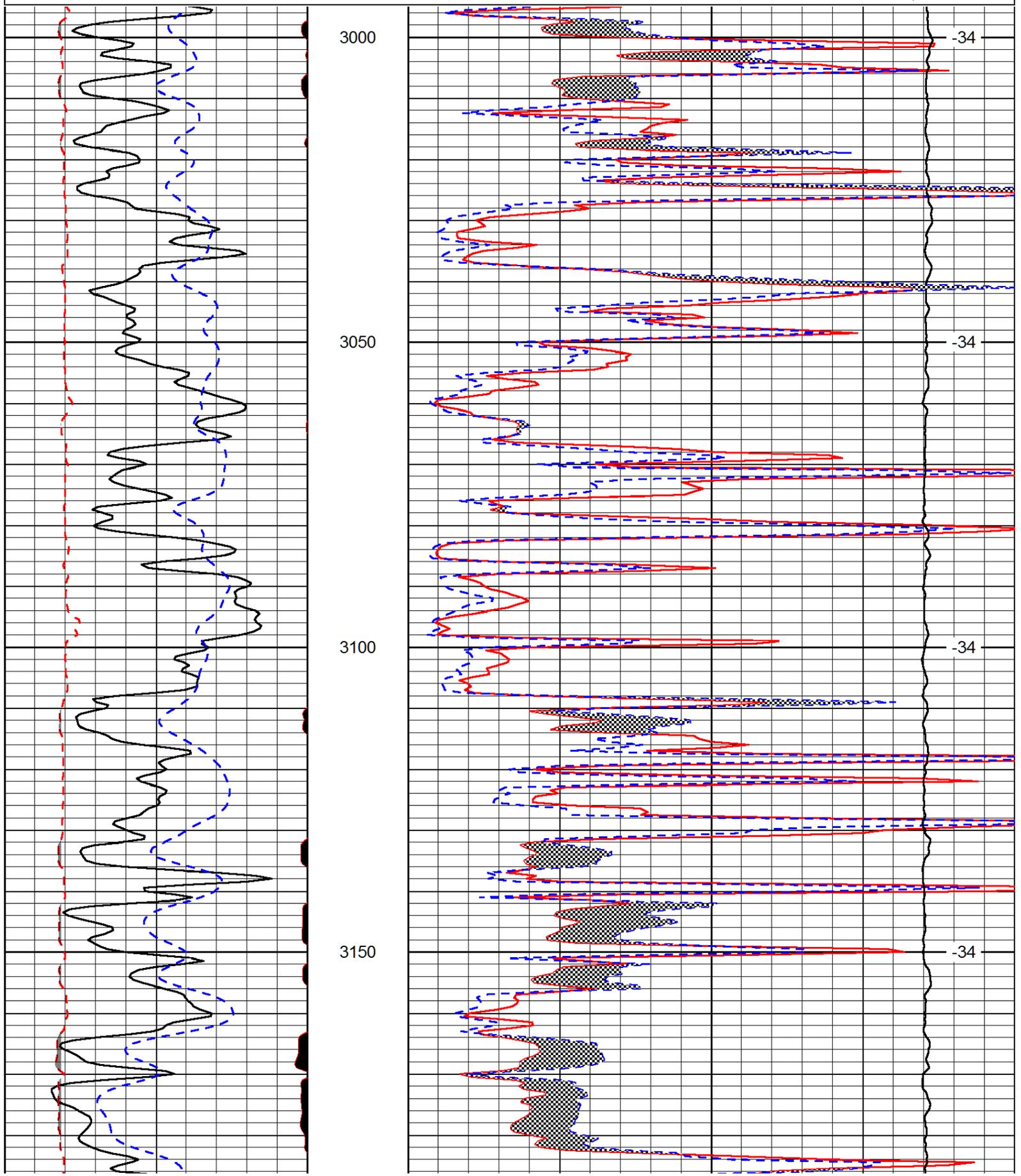
Bogue Kansas
South Edge of Town, 3 1/2 West, South Into

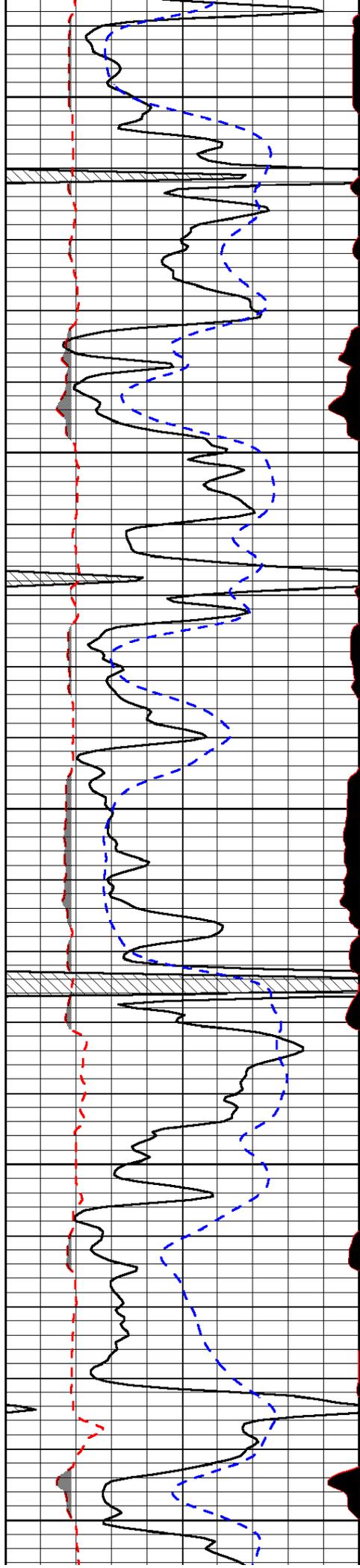
Database File: h&c_faulkner_14_2hd.db
 Dataset Pathname: DIL/hcstk
 Presentation Format: micro
 Dataset Creation: Sun Sep 15 06:11:45 2013
 Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD
(ft/min)





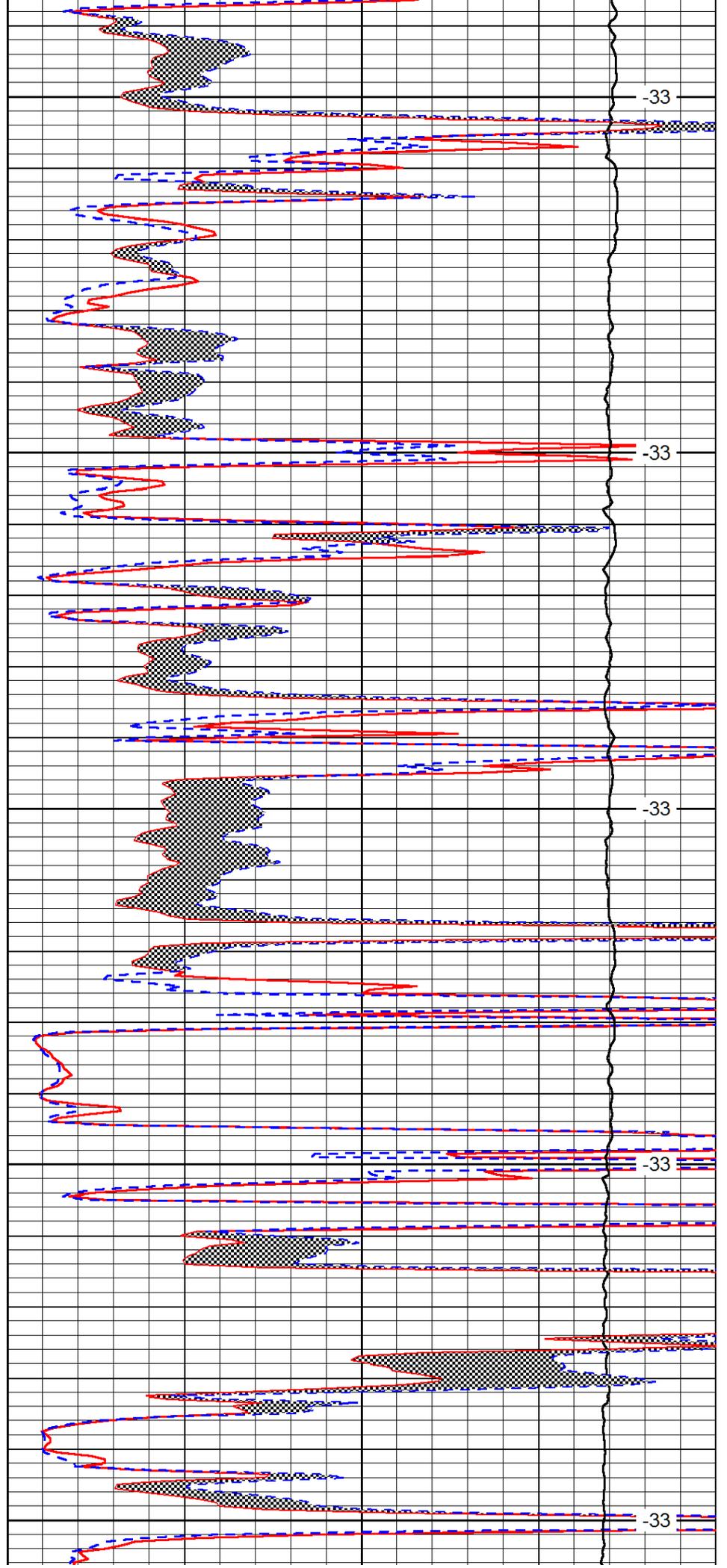
3200

3250

3300

3350

3400



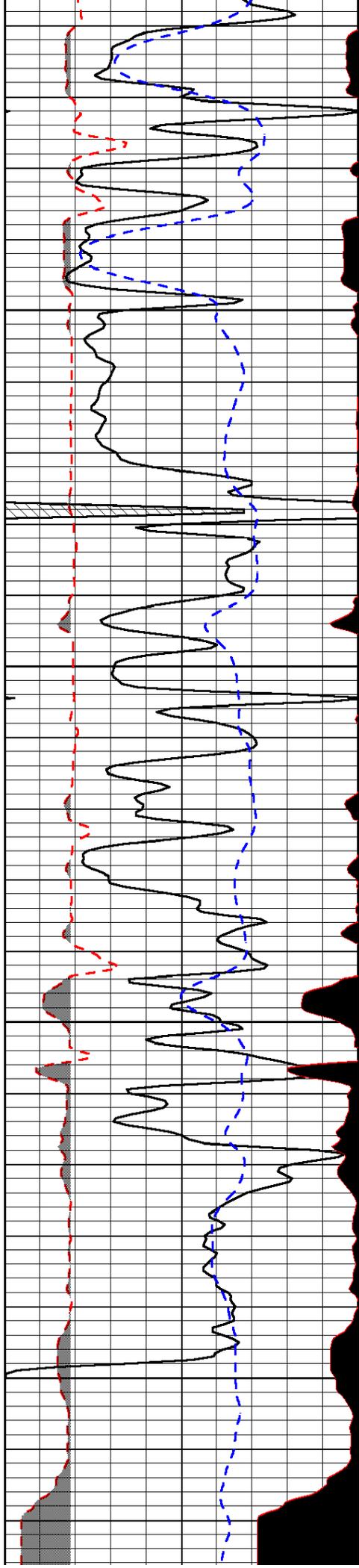
-33

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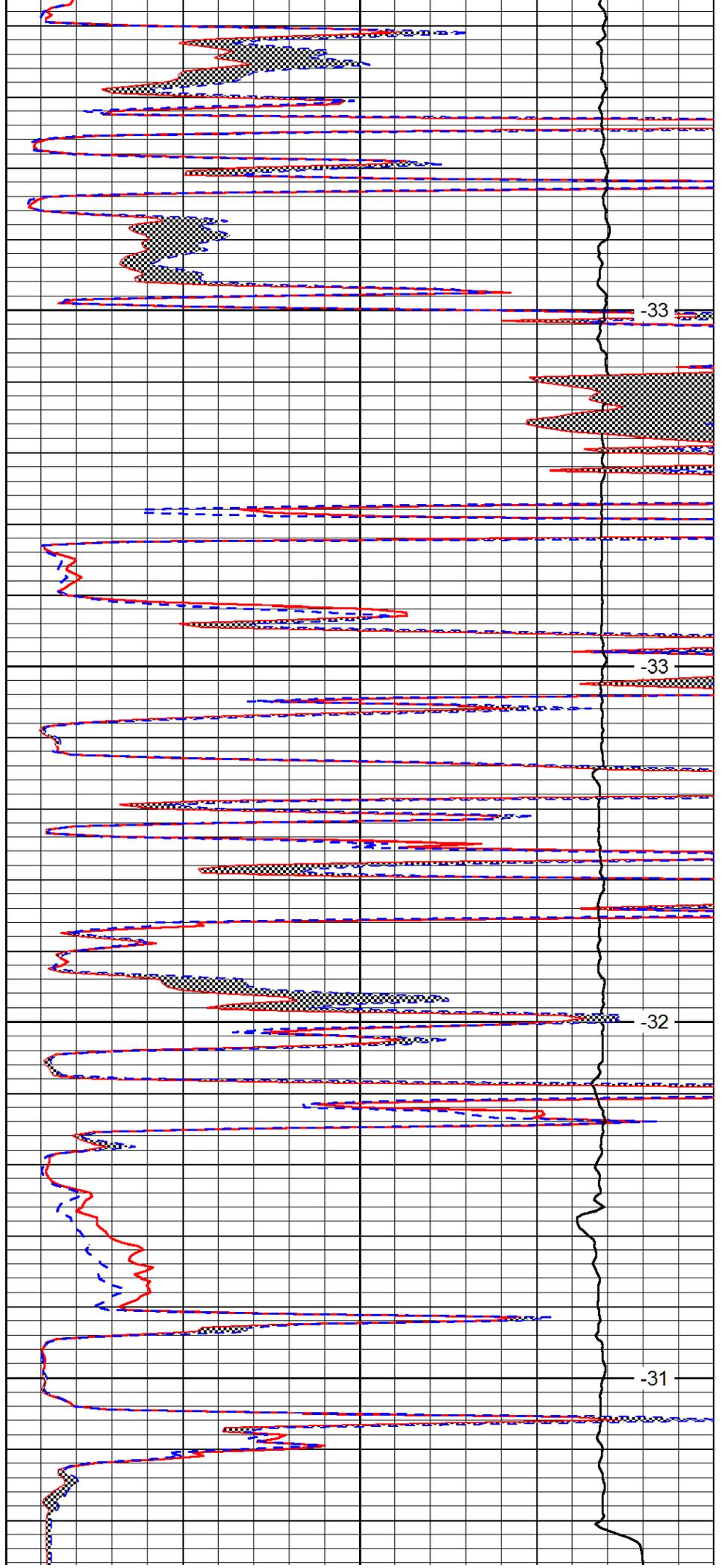


3450

3500

3550

3600



-33

-33

-32

-31

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