



Pioneer Energy Services

Microresistivity Log

API No.	15-167-23,821-00-00	
Company	Carmen Schmitt, Inc.	
Well	Ney Unit No. 7	
Field	Hall - Gurney	
County	Russell	State
Location	2518' FNL & 2300' FWL	
Sec:	32	Twp: 15 S Rge: 12 W
Permanent Datum	Ground Level	Elevation 1854
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL DIL
		Elevation K.B. 1859 D.F. 1854 G.L. 1854

Date	8/29/2012	
Run Number	Two	
Depth Driller	3450	
Depth Logger	3452	
Bottom Logged Interval	3451	
Top Log Interval	2600	
Casing Driller	8.625 @ 572	
Casing Logger	572	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5000	
Density / Viscosity	9.1	50
pH / Fluid Loss	10.0	9.2
Source of Sample	Flowline	
Rm @ Meas. Temp	.80 @ 80	
Rmf @ Meas. Temp	.60 @ 80	
Rmc @ Meas. Temp	1.08 @ 80	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.58 @ 111	
Operating Rig Time	3 1/2 Hours	
Max Rec. Temp. F	111	
Equipment Number	17	
Location	Hays	
Recorded By	D. Martin	
Witnessed By	Derek Patterson	

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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.

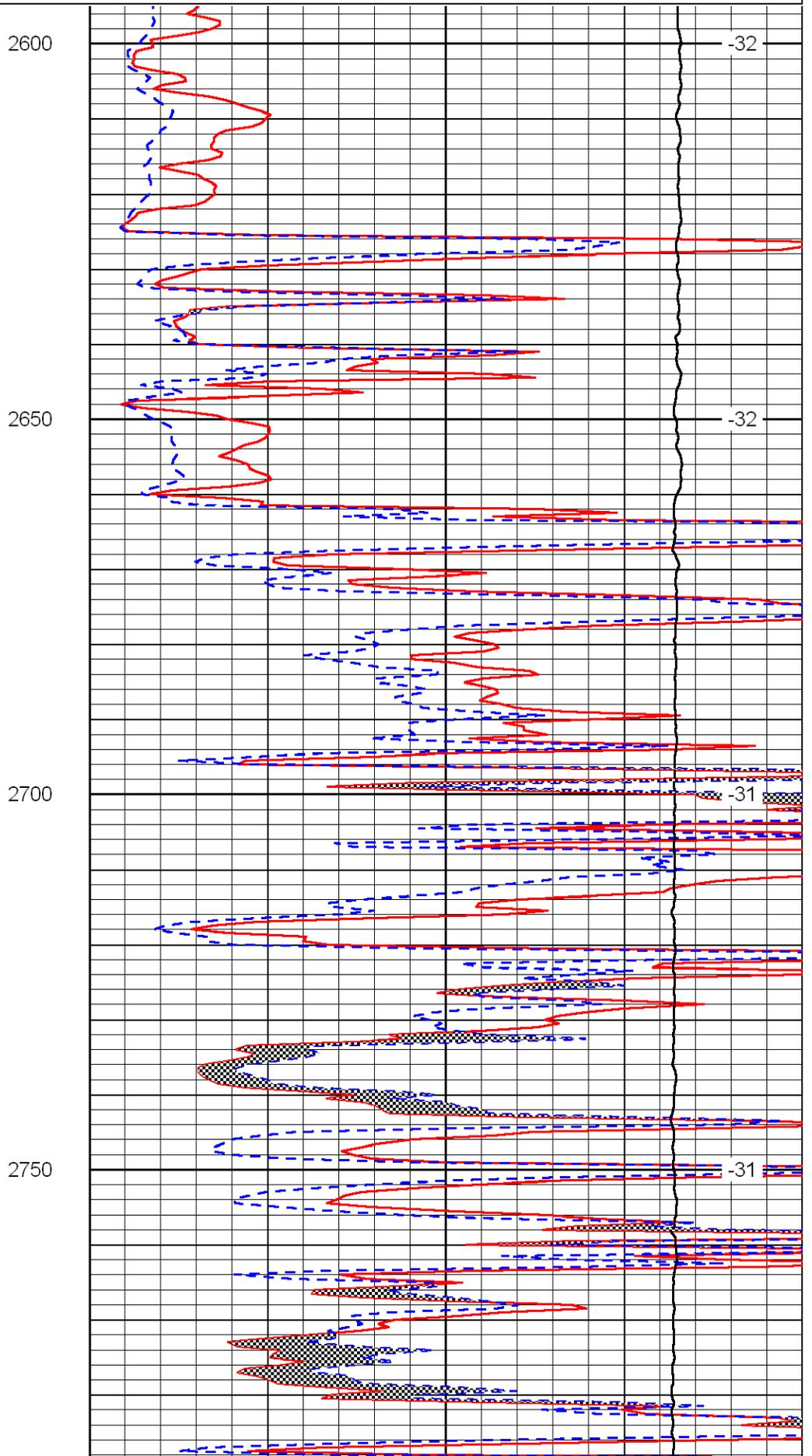
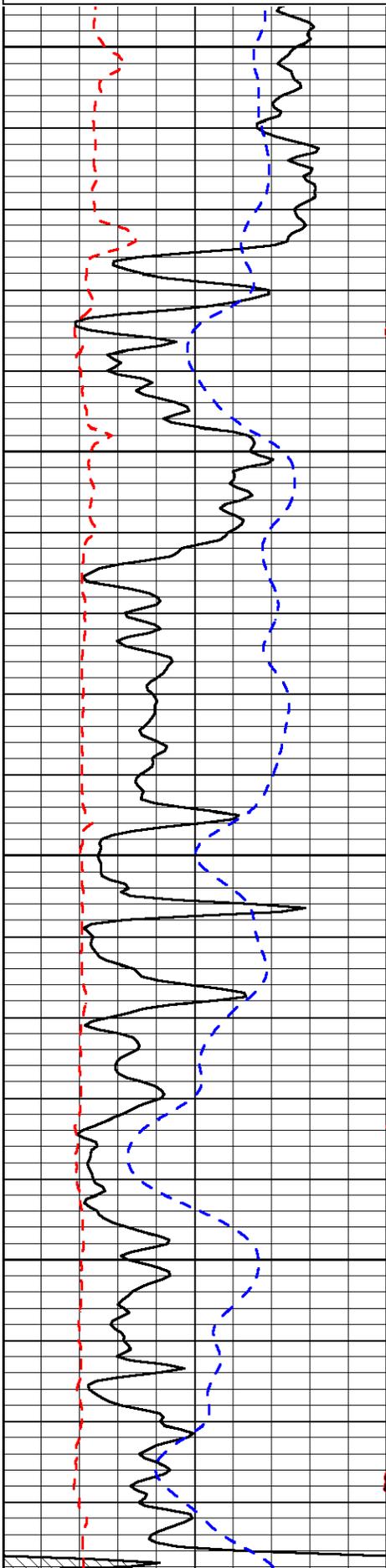
Comments

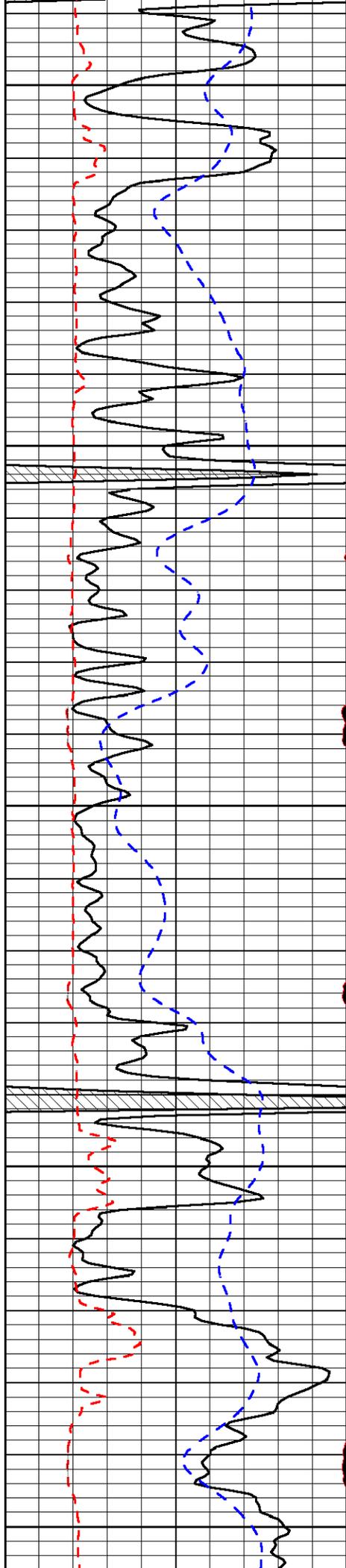
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Russell, KS
 10 1/2 S to Michalis Rd.,
 8 1/2 E to 194 Rd.,
 1/2 S, E Into

Database File: carhd.db
 Dataset Pathname: DIL/carstk
 Presentation Format: micro
 Dataset Creation: Wed Aug 29 23:05:15 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





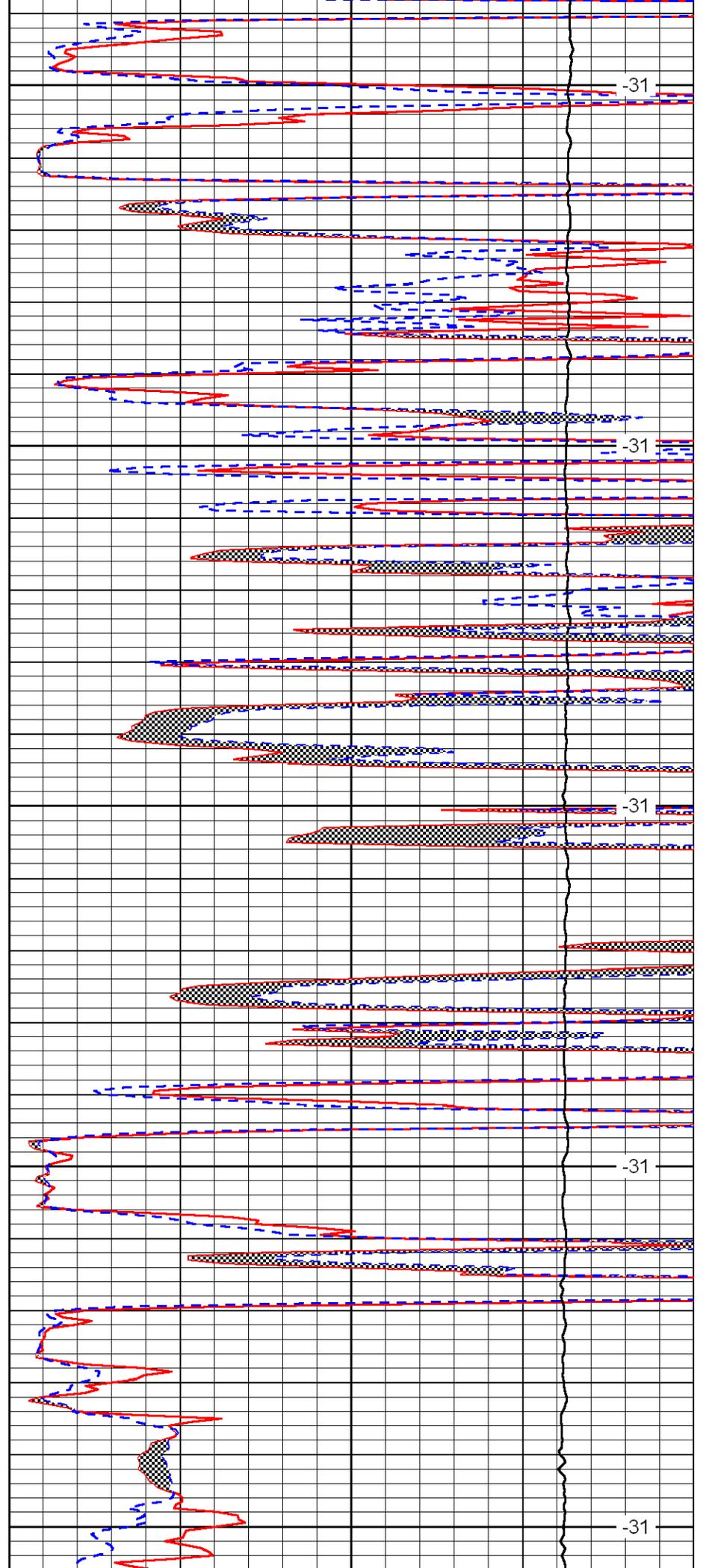
2800

2850

2900

2950

3000



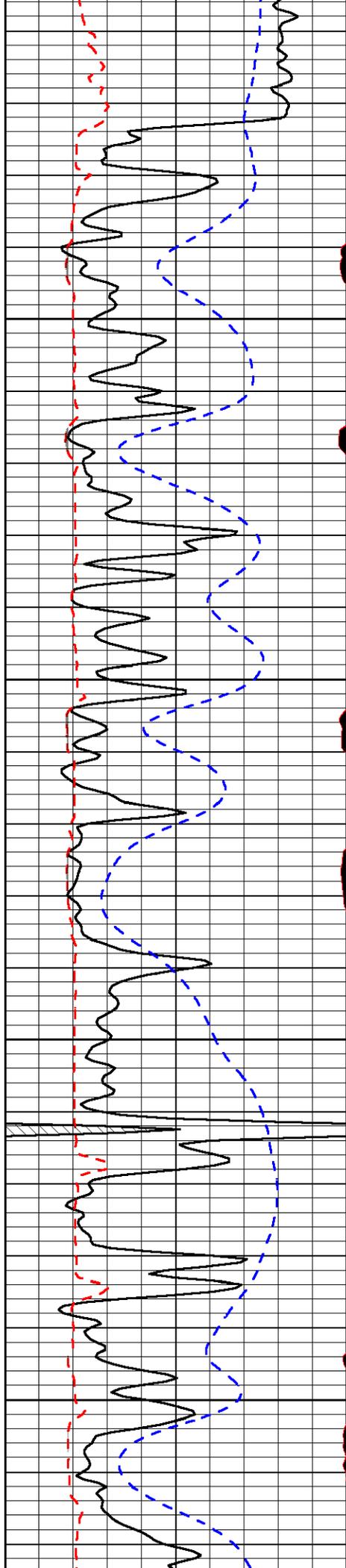
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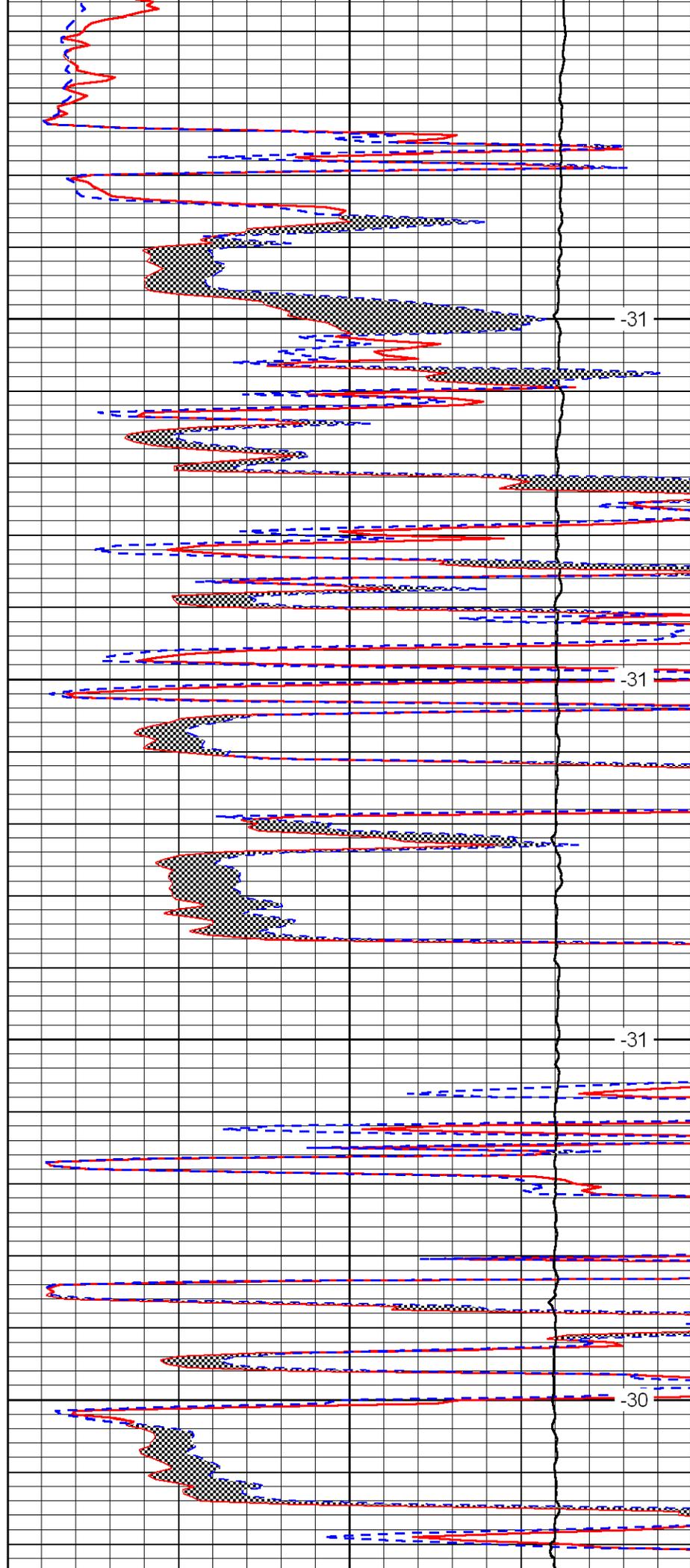


3050

3100

3150

3200

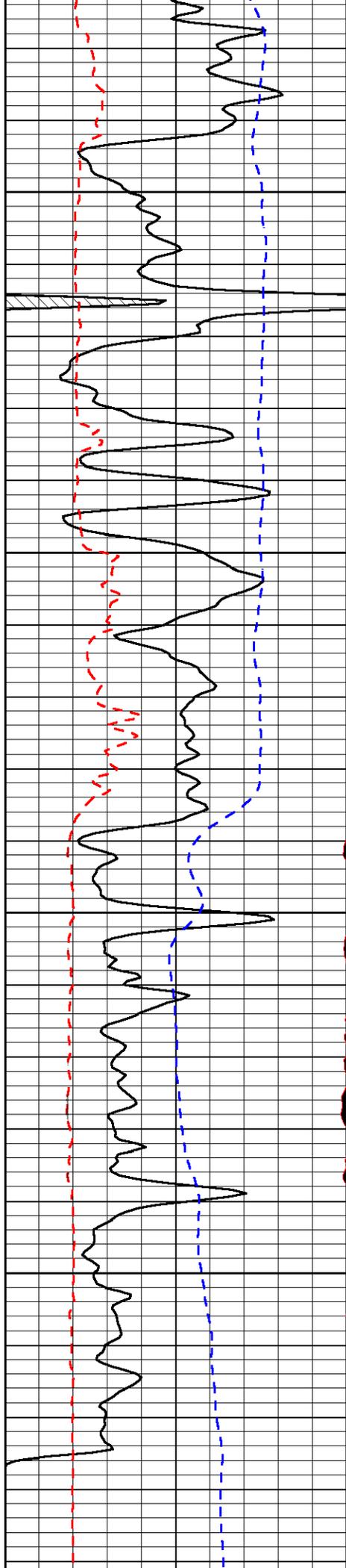


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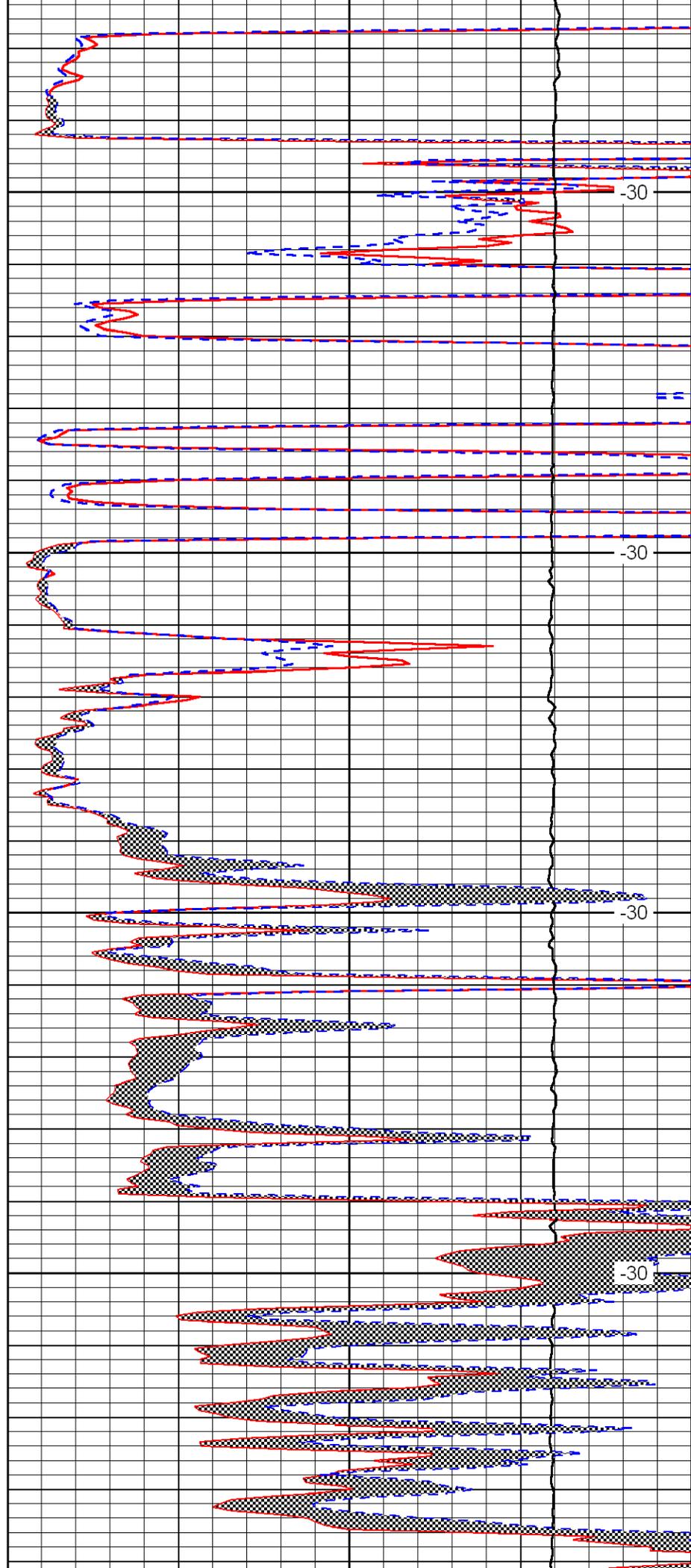


3250

3300

3350

3400

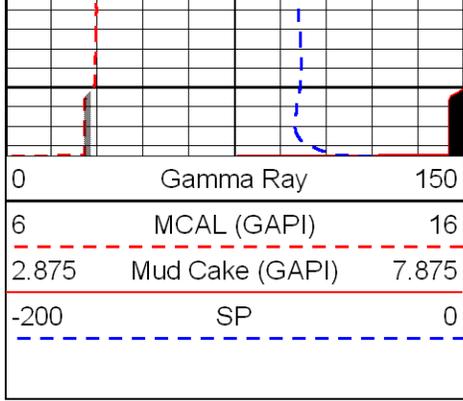


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3450

