



Pioneer Energy Services

# Microresistivity Log

API No.	15-185-23,768-00-00	
Company	H&B Petroleum Corporation	
Well	Salem "V" No. 1	
Field	Chase-Silica	
County	Stafford	State
		Kansas
Location	NW SE NE 1,870' FNL & 1,205' FEL	
Sec: 2	Twp: 21S	Rge: 12W
Permanent Datum	Ground Level	Elevation 1922
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL DIL
		Elevation K.B. 1830 D.F. 1828 G.L. 1822

Date	10/24/2012
Run Number	Two
Depth Driller	3500
Depth Logger	3500
Bottom Logged Interval	3499
Top Log Interval	2800
Casing Driller	8.625 @ 353
Casing Logger	350
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5200
Density / Viscosity	9.2 53
pH / Fluid Loss	9.5 8.8
Source of Sample	Flowline
Rm @ Meas. Temp	1.05 @ 68
Rmf @ Meas. Temp	.79 @ 68
Rmc @ Meas. Temp	1.42 @ 68
Source of Rmf / Rmc	Charts
Rm @ BHT	.64 @ 111
Operating Rig Time	4 Hours
Max Rec. Temp. F	111
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Jim Musgrove

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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

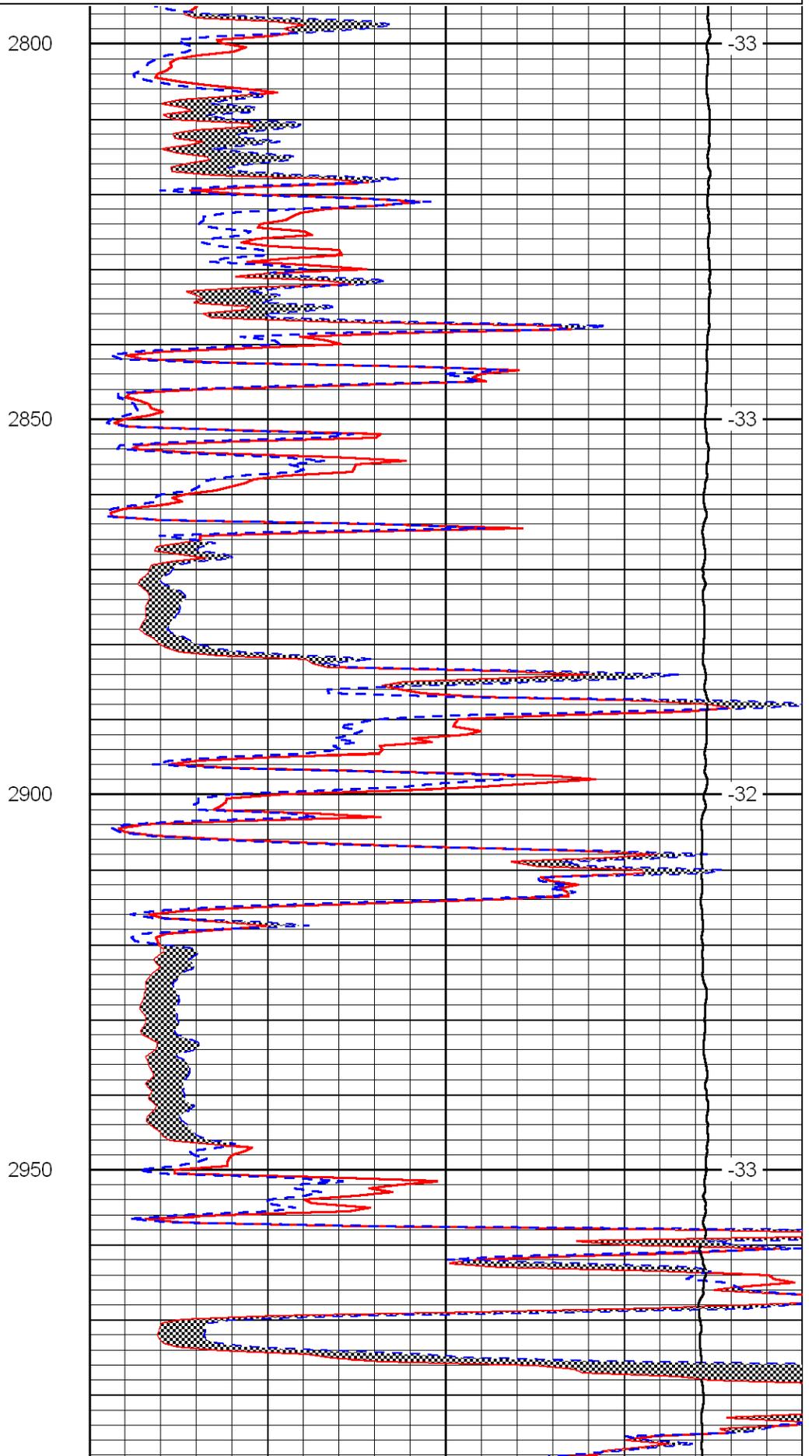
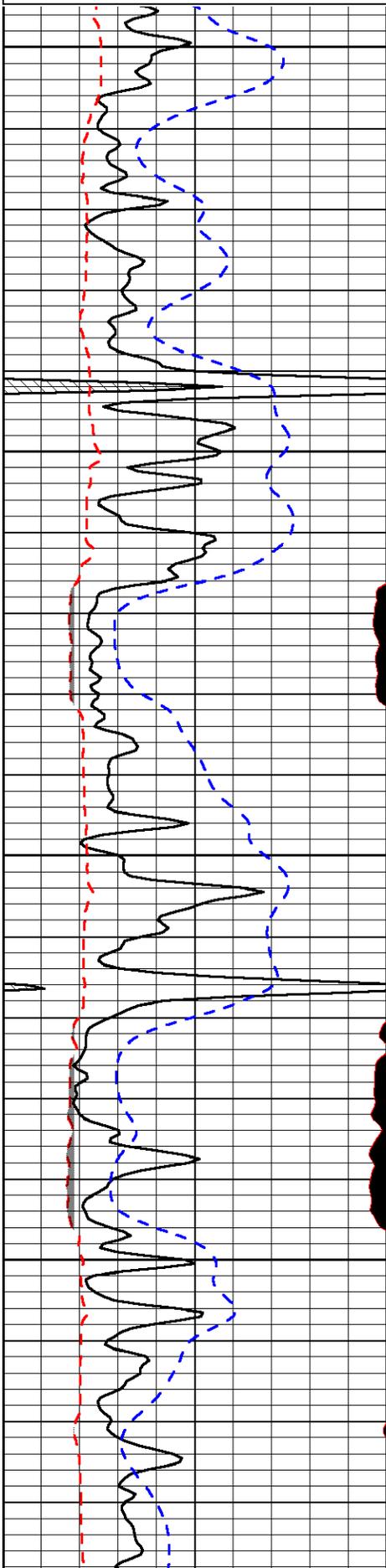
Thank you for using Log-Tech, Inc.  
(785) 625-3858

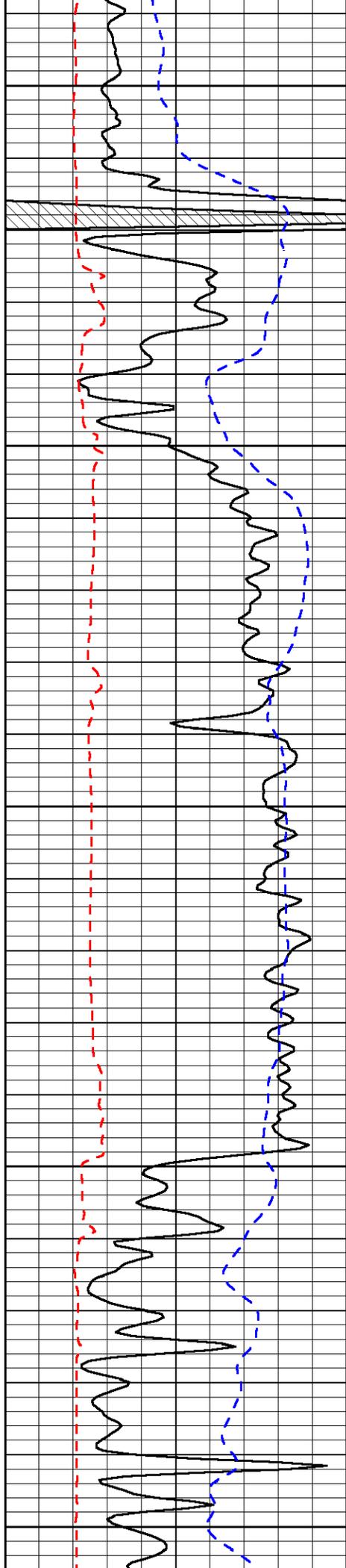
Ellinwood, South to County Line, 1/3 South, West Into

Database File: h&b\_salem\_v\_1hd.db  
 Dataset Pathname: dil/hbstck  
 Presentation Format: micro  
 Dataset Creation: Wed Oct 24 13:26:25 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





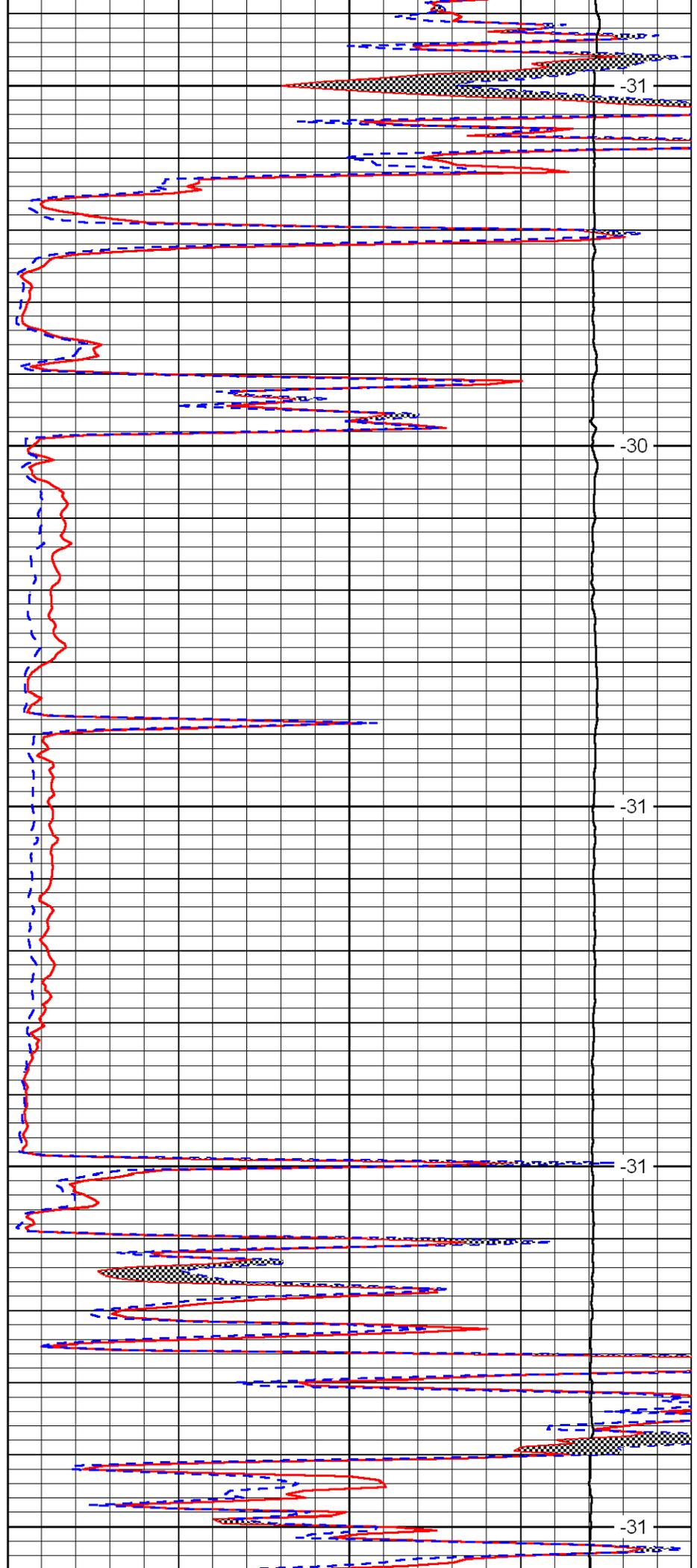
3000

3050

3100

3150

3200



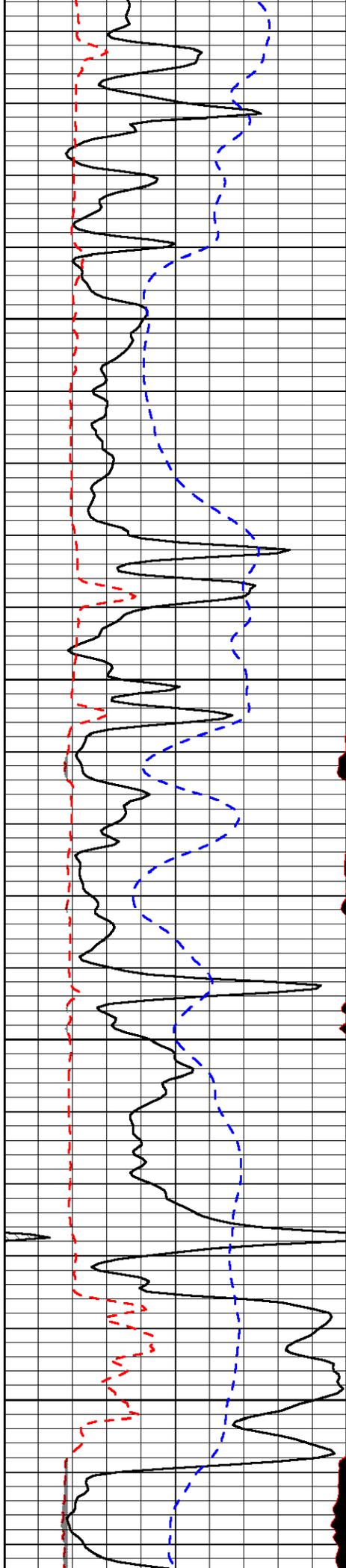
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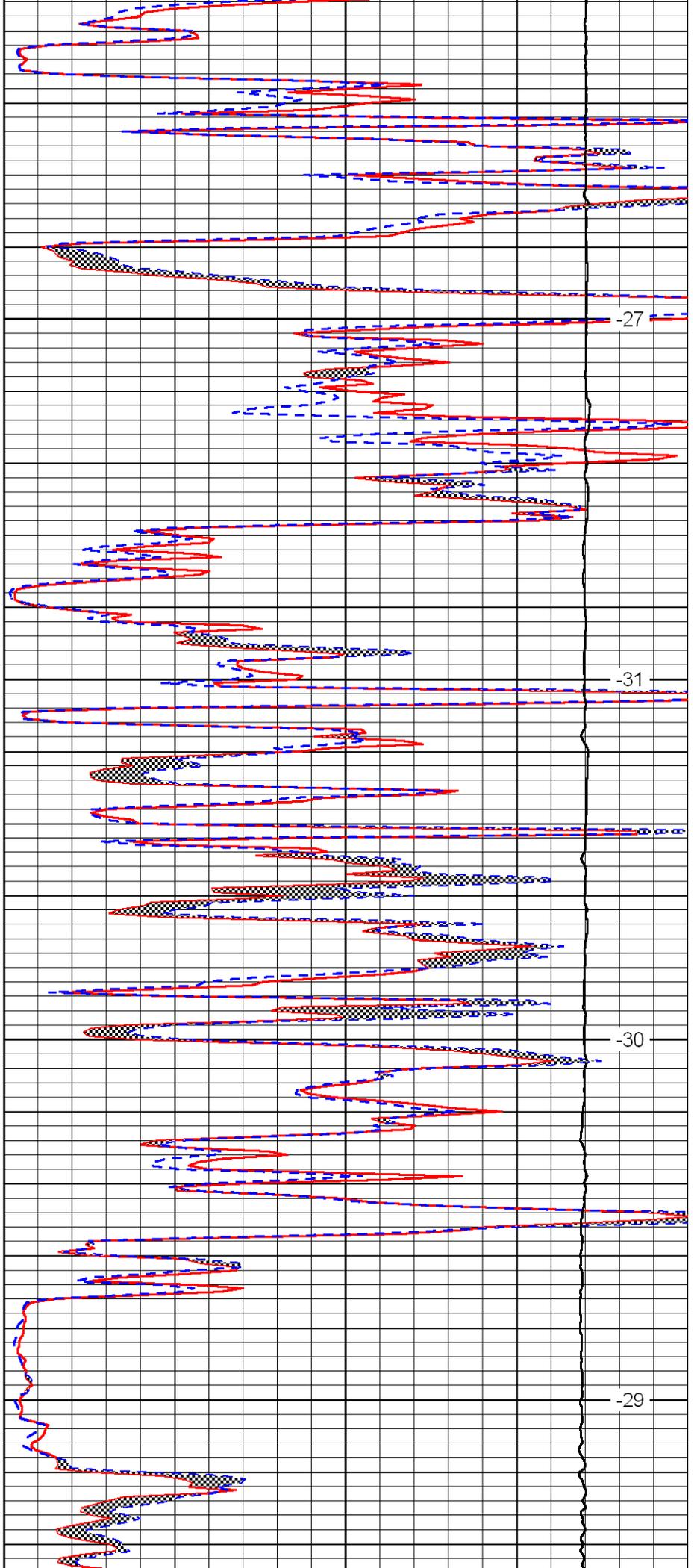


3250

3300

3350

3400

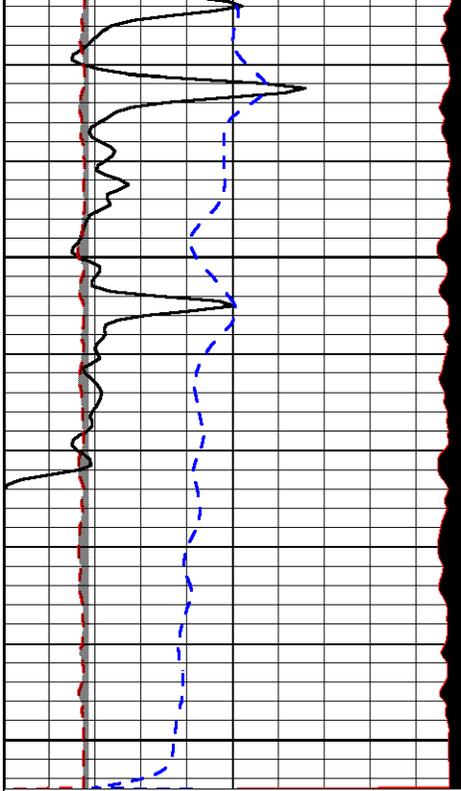


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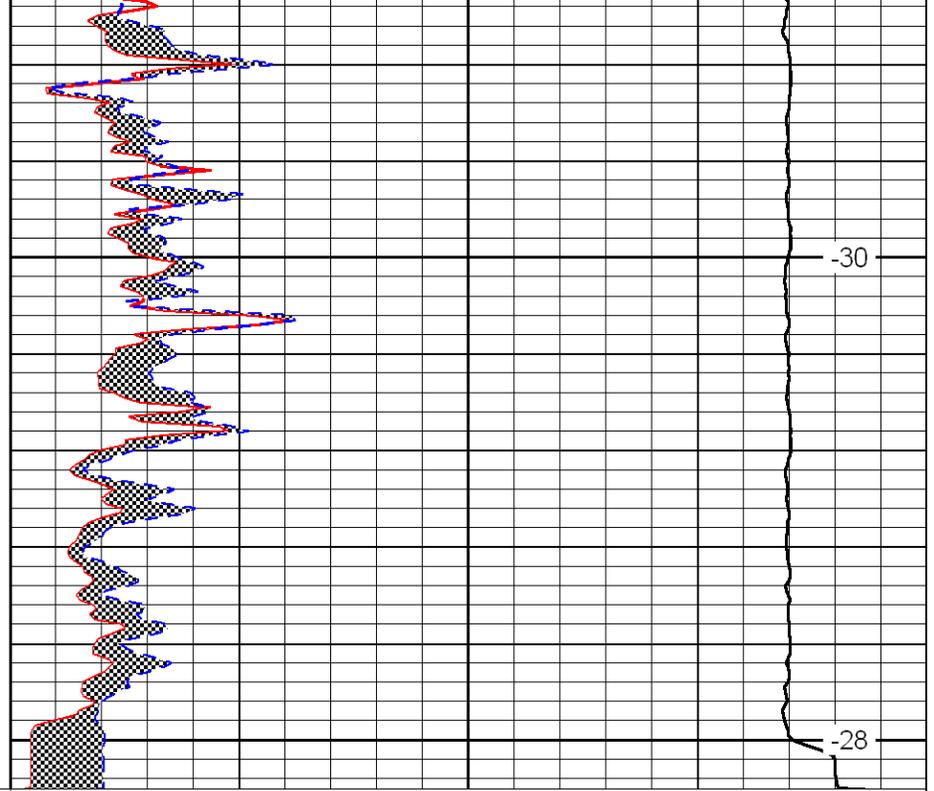
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