



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	15-109-20,912-00-00		
Company	MAK-J Energy Operating Company, L.L.C.		
Well	BH Berggren No. 13-5		
Field			
County	Logan	State	Kansas
Location	707' FSL & 707' FWL		
Sec:	5	Twp:	14S Rge: 32W
Permanent Datum	Ground Level	Elevation	2870
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
		Other Services	CNL/CDL DIL/BHCS
		Elevation	K.B. 2881 D.F. 2870 G.L. 2870

Date	6/6/2010
Run Number	Two
Depth Driller	4220
Depth Logger	4220
Bottom Logged Interval	4219
Top Log Interval	3400
Casing Driller	8.625 @ 352
Casing Logger	346
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5300
Density / Viscosity	9.3 54
pH / Fluid Loss	10.0 8.8
Source of Sample	Flowline
Rm @ Meas. Temp	.45 @ 78
Rmf @ Meas. Temp	.34 @ 78
Rmc @ Meas. Temp	.61 @ 78
Source of Rmf / Rmc	Charts
Rm @ BHT	.29 @ 120
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	120
Equipment Number	10
Location	Hays
Recorded By	J. Long
Witnessed By	Justin Carter

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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

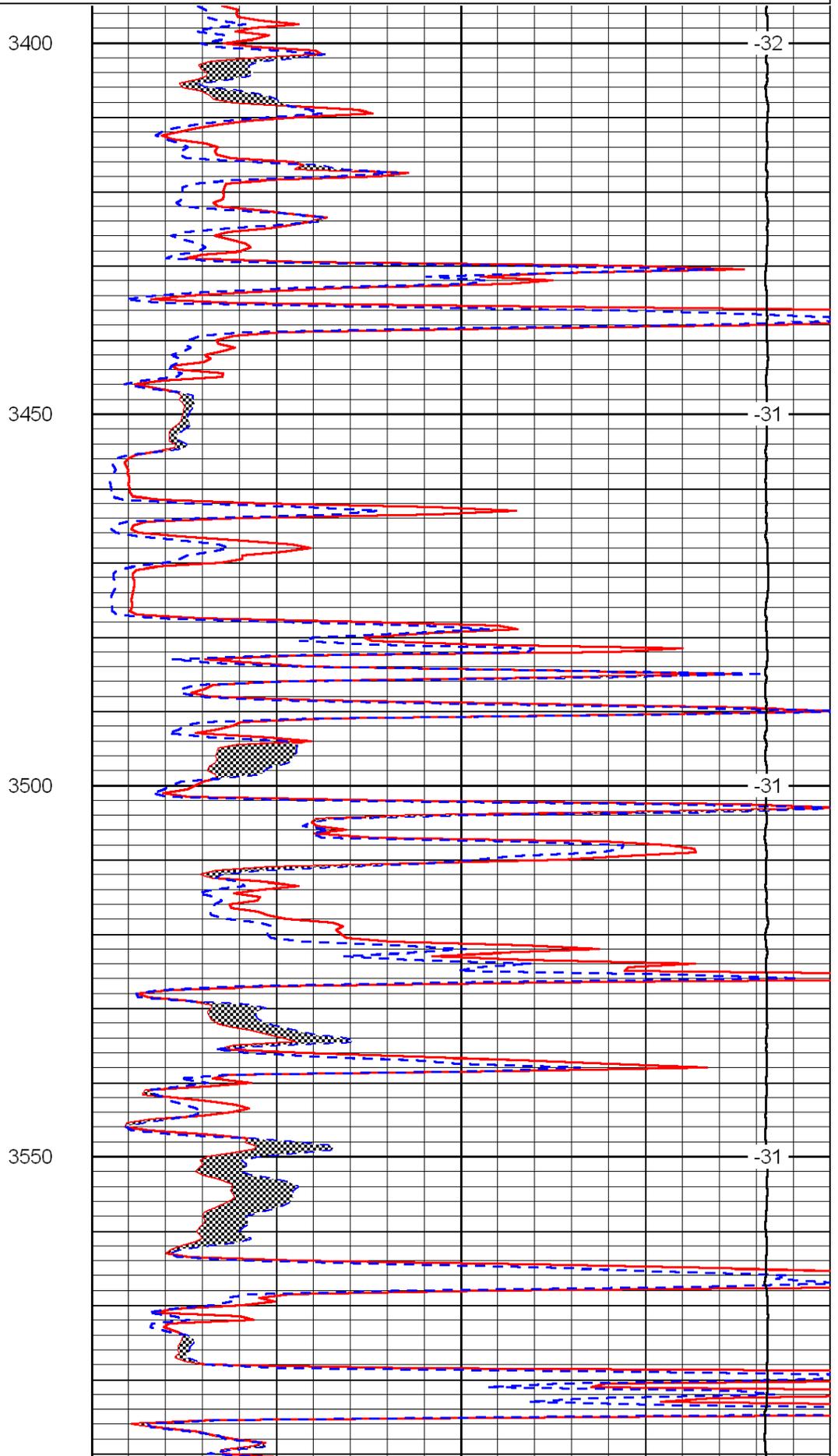
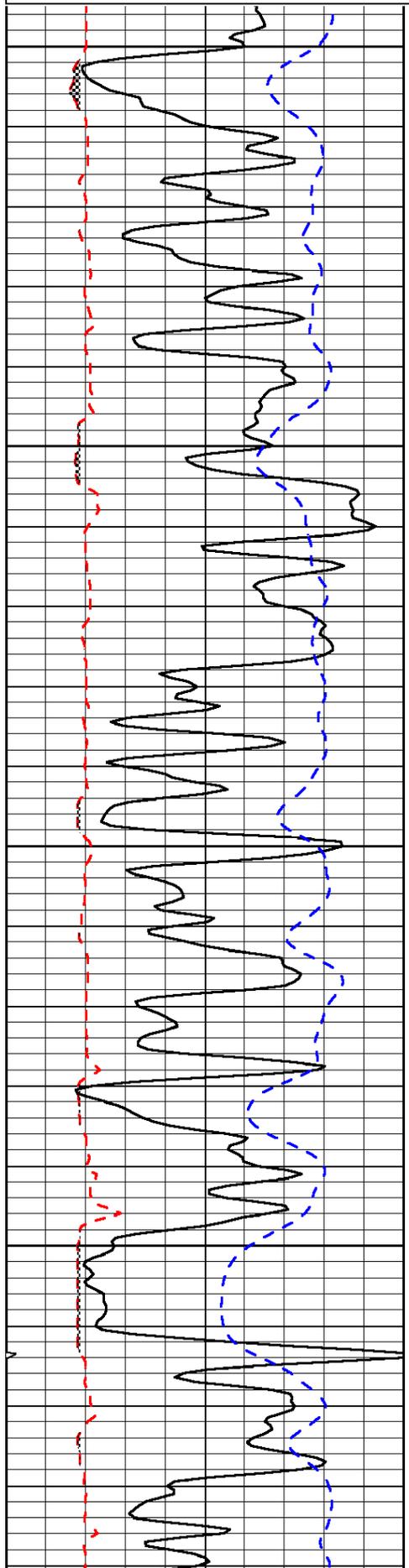
Oakley, 17 South to Mustang Rd, 3 West, 1 South, East Into at Tank Batteries

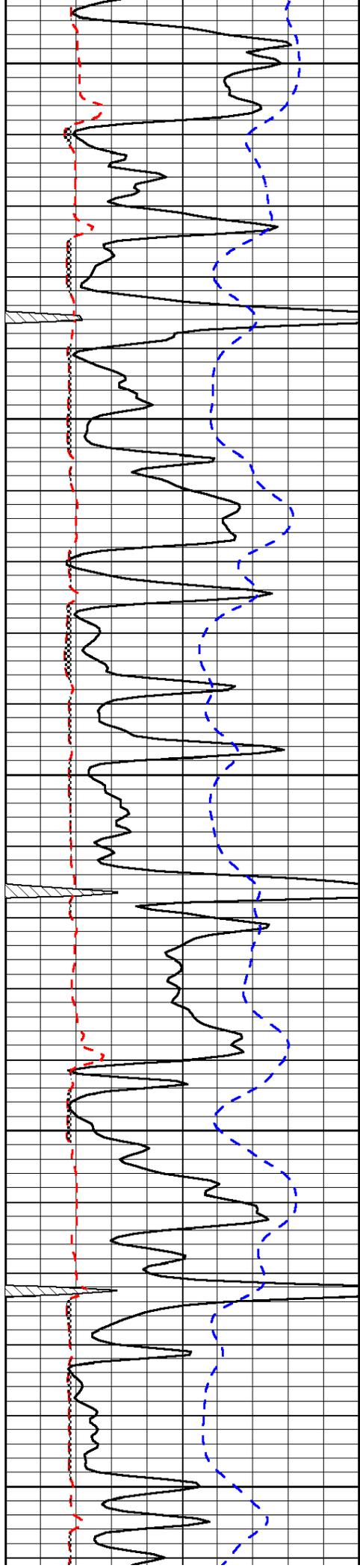
Database File: c:\warrior\data\mak-j_bh berggren no. 13-5\makhd.db
 Dataset Pathname: dil/makjstck
 Presentation Format: micro
 Dataset Creation: Sun Jun 06 11:45:45 2010
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD





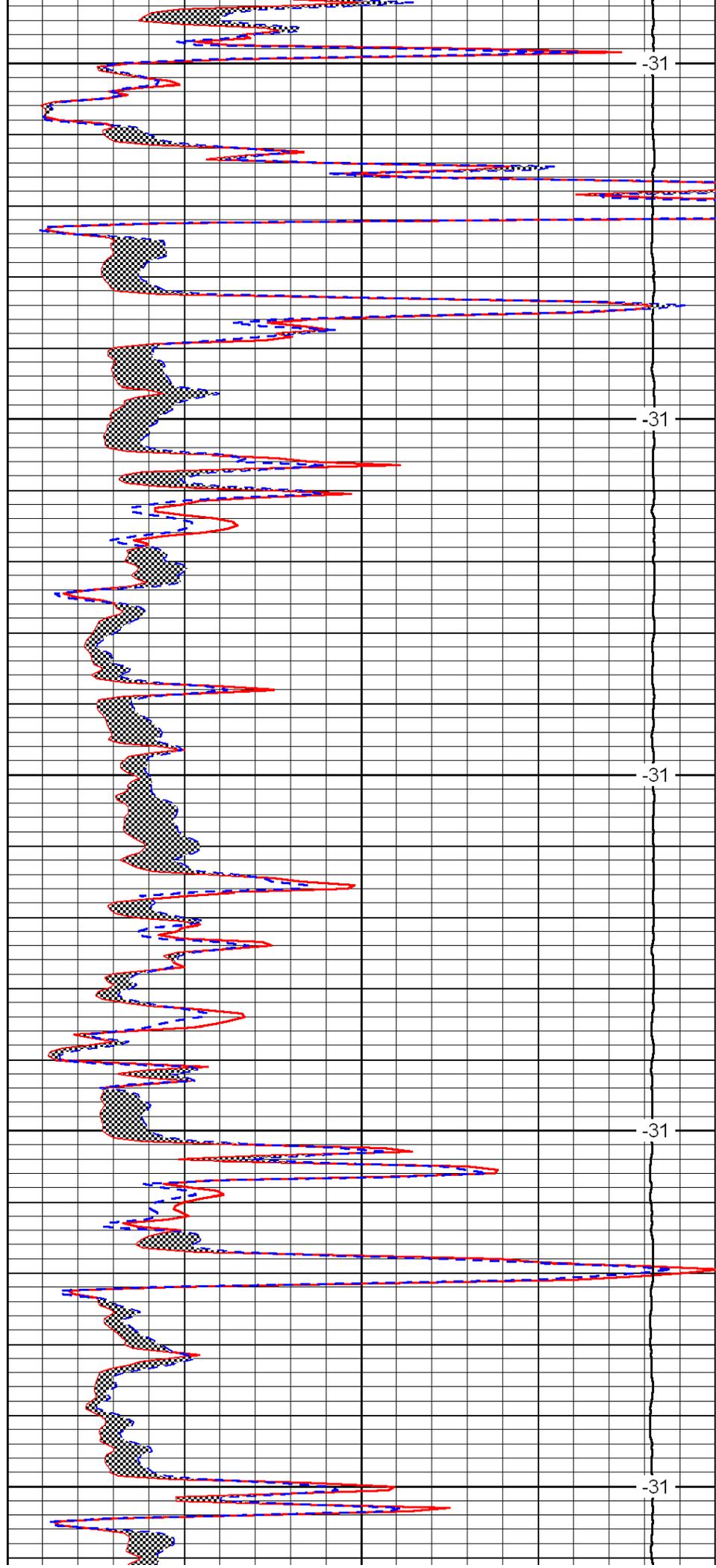
3600

3650

3700

3750

3800



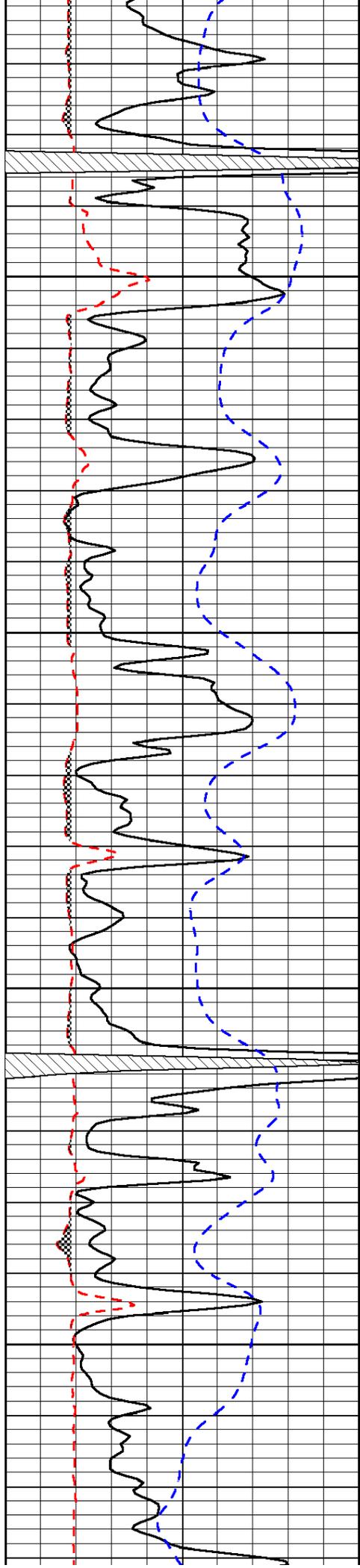
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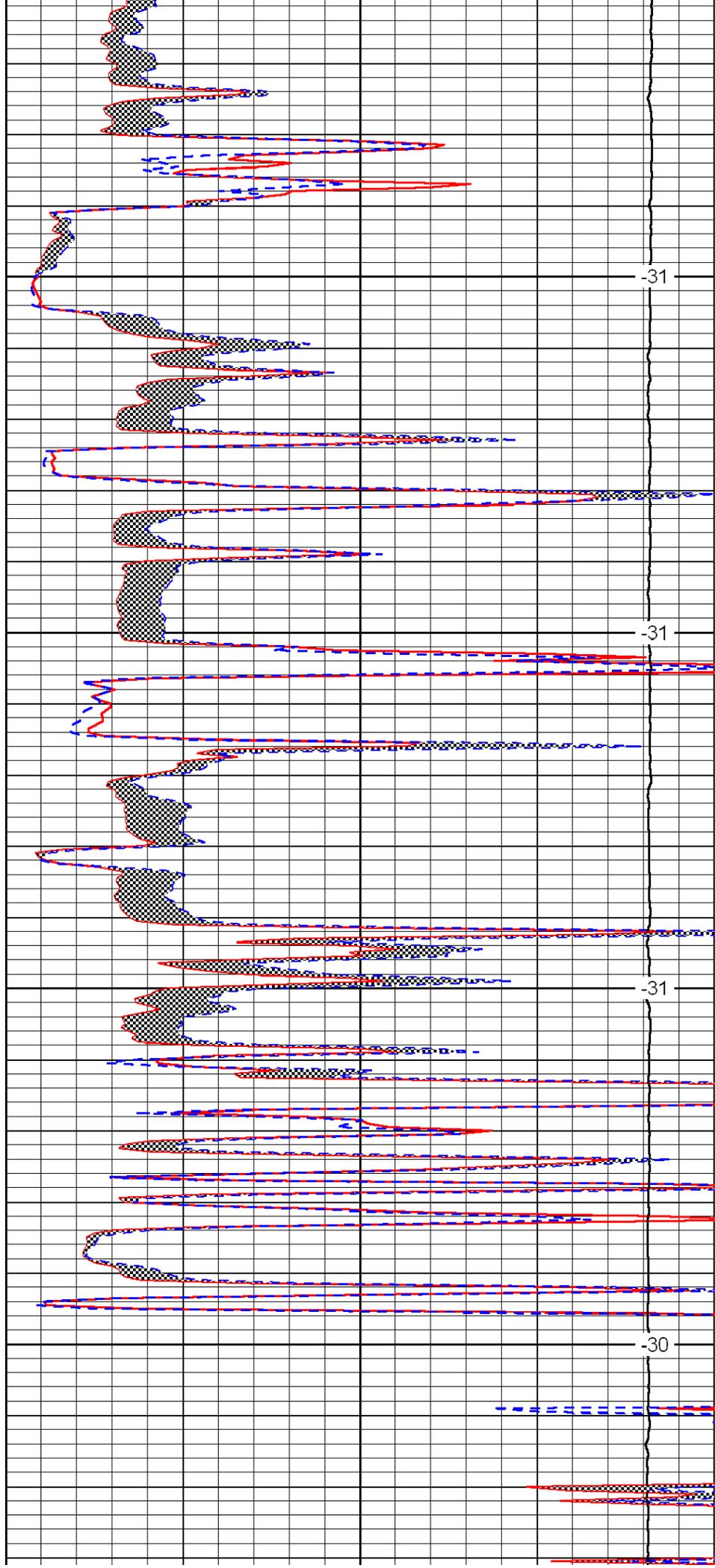


3850

3900

3950

4000

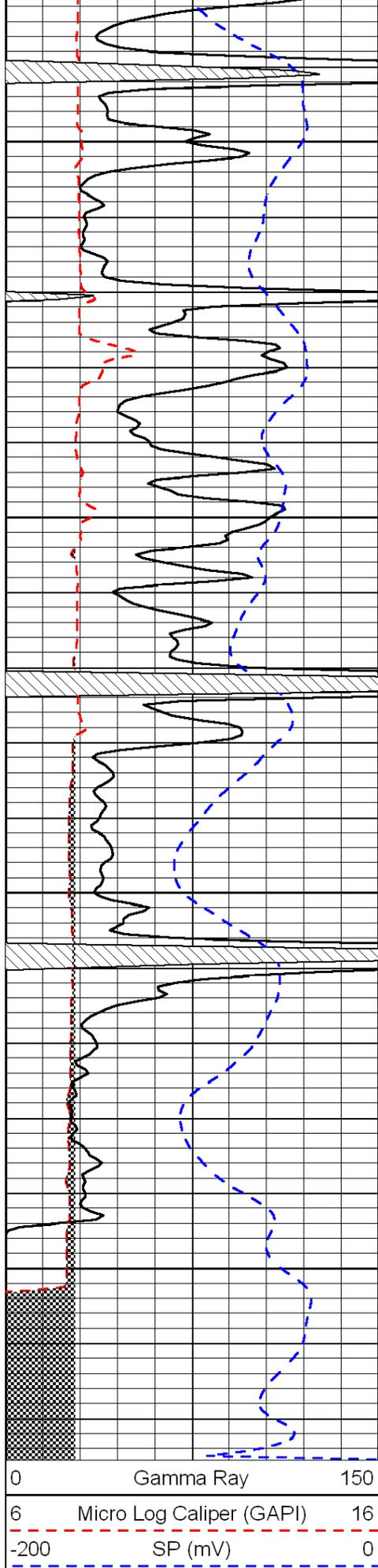


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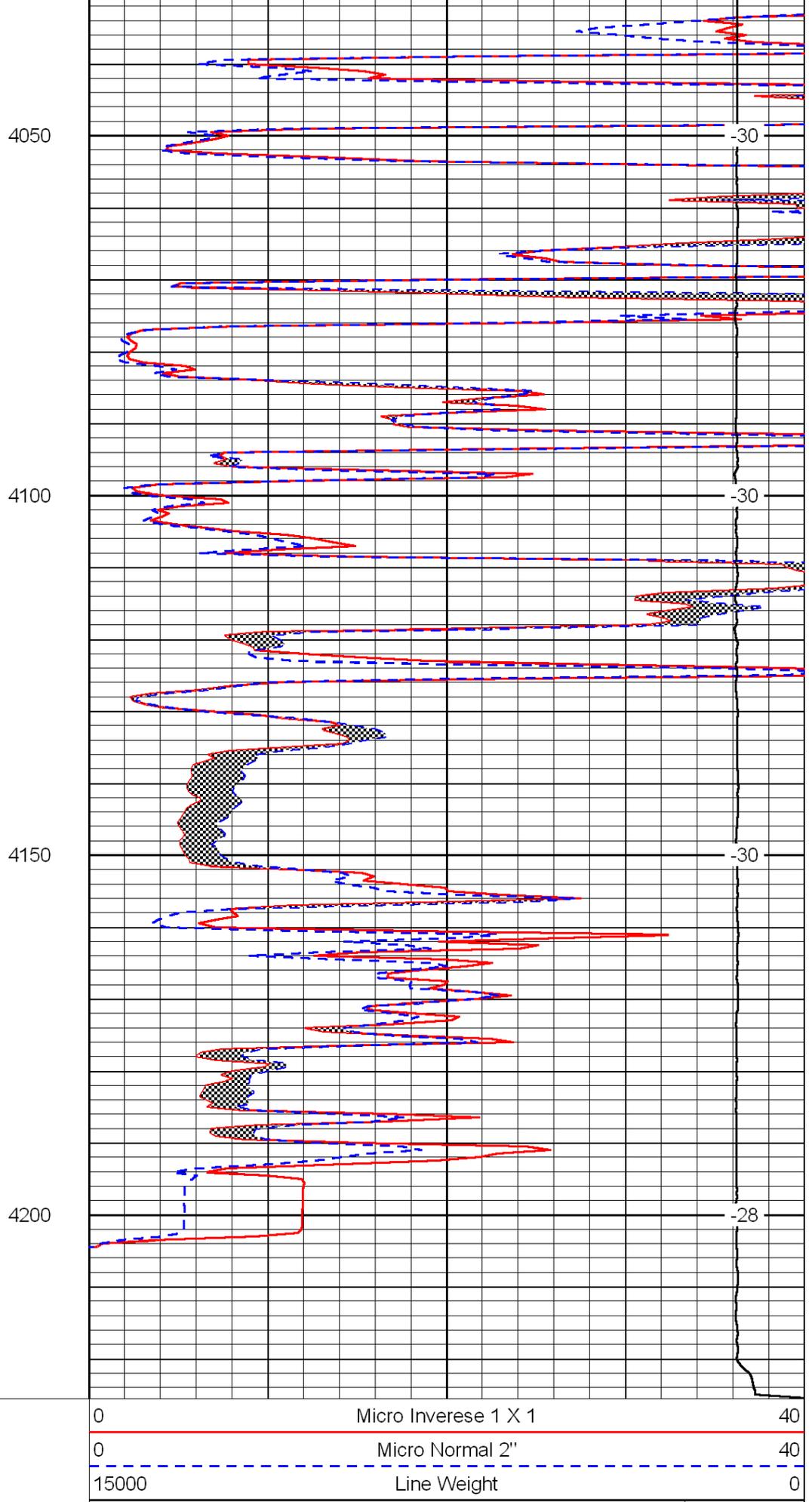
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