



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	API 15-185-23,524-00-00		
Company	Anstine & Musgrove, Inc.		
Well	Spangenberg No. 4		
Field	Pleasant Grove		
County	Stafford	State	Kansas
Location	NW NW SW 2,080' FSL & 580' FWL		Other Services CNL/CDL DIL
Sec: 26	Twp: 22S	Rge: 12W	Elevation
Permanent Datum	Ground Level	Elevation 1830	K.B. 1835
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	D.F. 1830
Drilling Measured From	Kelly Bushing		G.L. 1830

Date	1/15/09		
Run Number	Two		
Depth Driller	3667		
Depth Logger	3669		
Bottom Logged Interval	3668		
Top Log Interval	2800		
Casing Driller	8,625 @ 237		
Casing Logger	230		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	8000		
Density / Viscosity	9.0 42		
pH / Fluid Loss	11.0 10.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.5 @ 50		
Rmf @ Meas. Temp	.38 @ 50		
Rmc @ Meas. Temp	.68 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.22 @ 115		
Operating Rig Time	3.5 Hours		
Max Rec. Temp. F	115		
Equipment Number	17		
Location	Hays		
Recorded By	J. Long	M. Garrison	
Witnessed By	Josh Austin		

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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.
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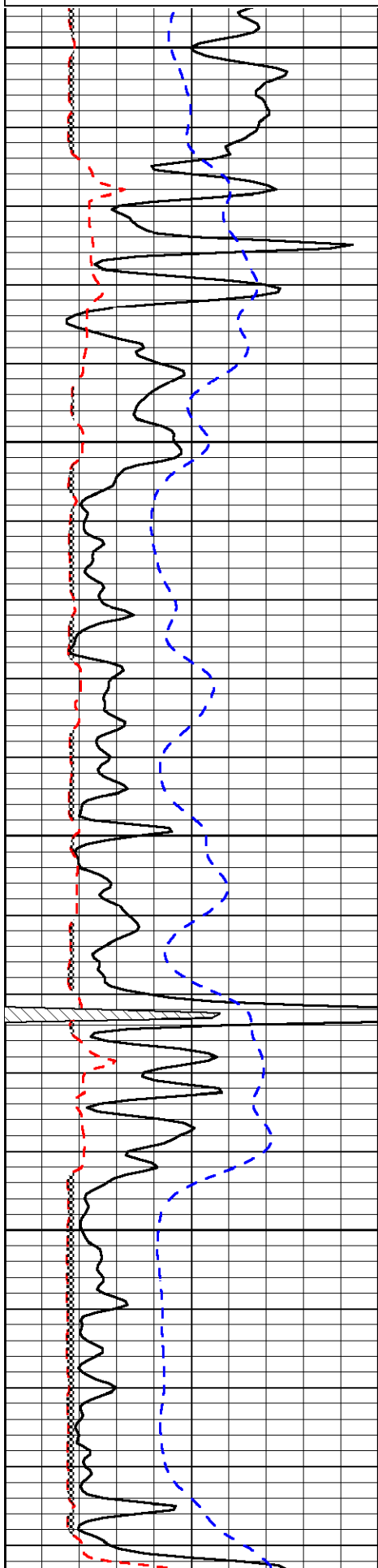
Hudson, 2 E to 70th Ave., N Into

Database File: anstinehd.db
Dataset Pathname: dil/@000de4c3
Presentation Format: micro
Dataset Creation: Thu Jan 15 11:11:01 2009
Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

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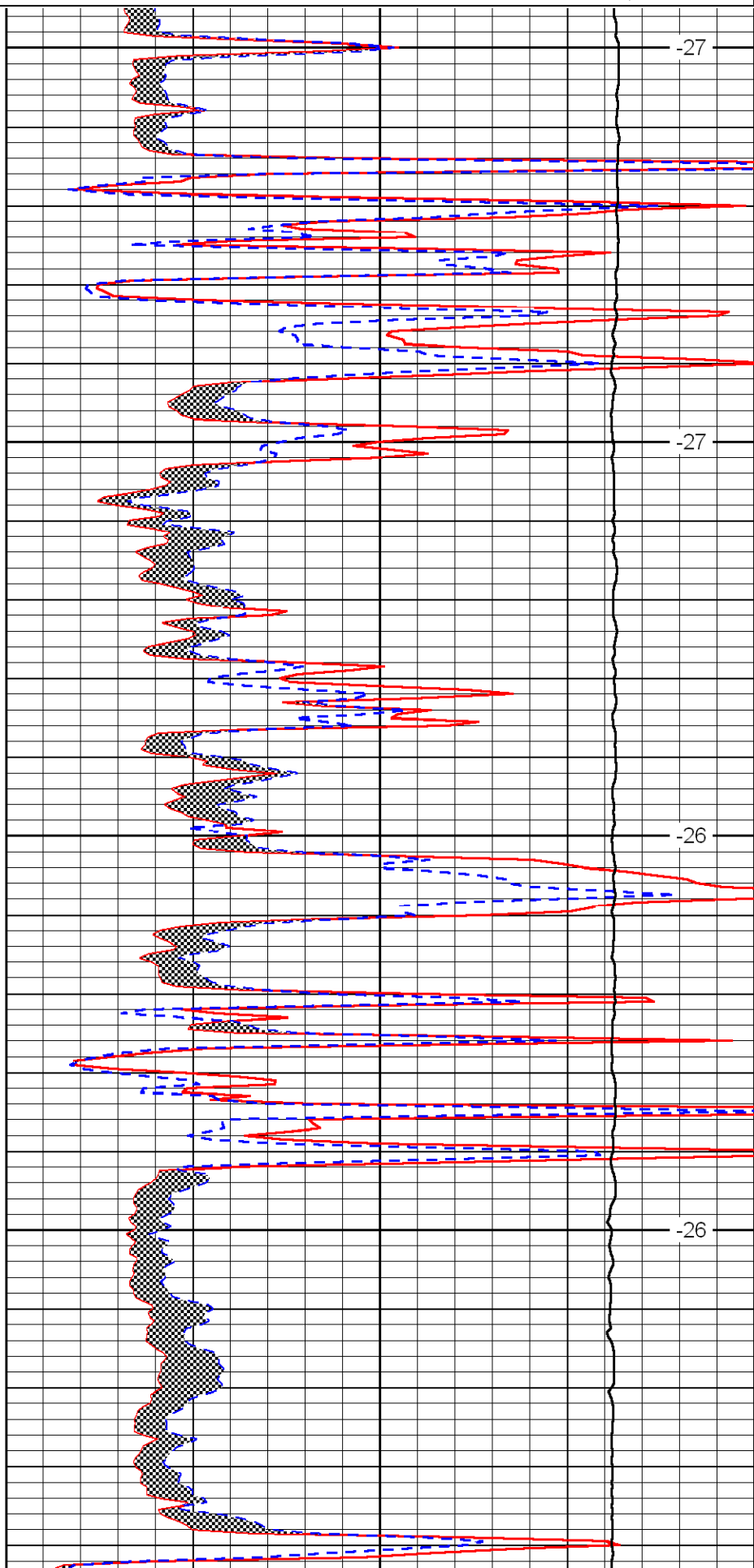


2800

2850

2900

2950

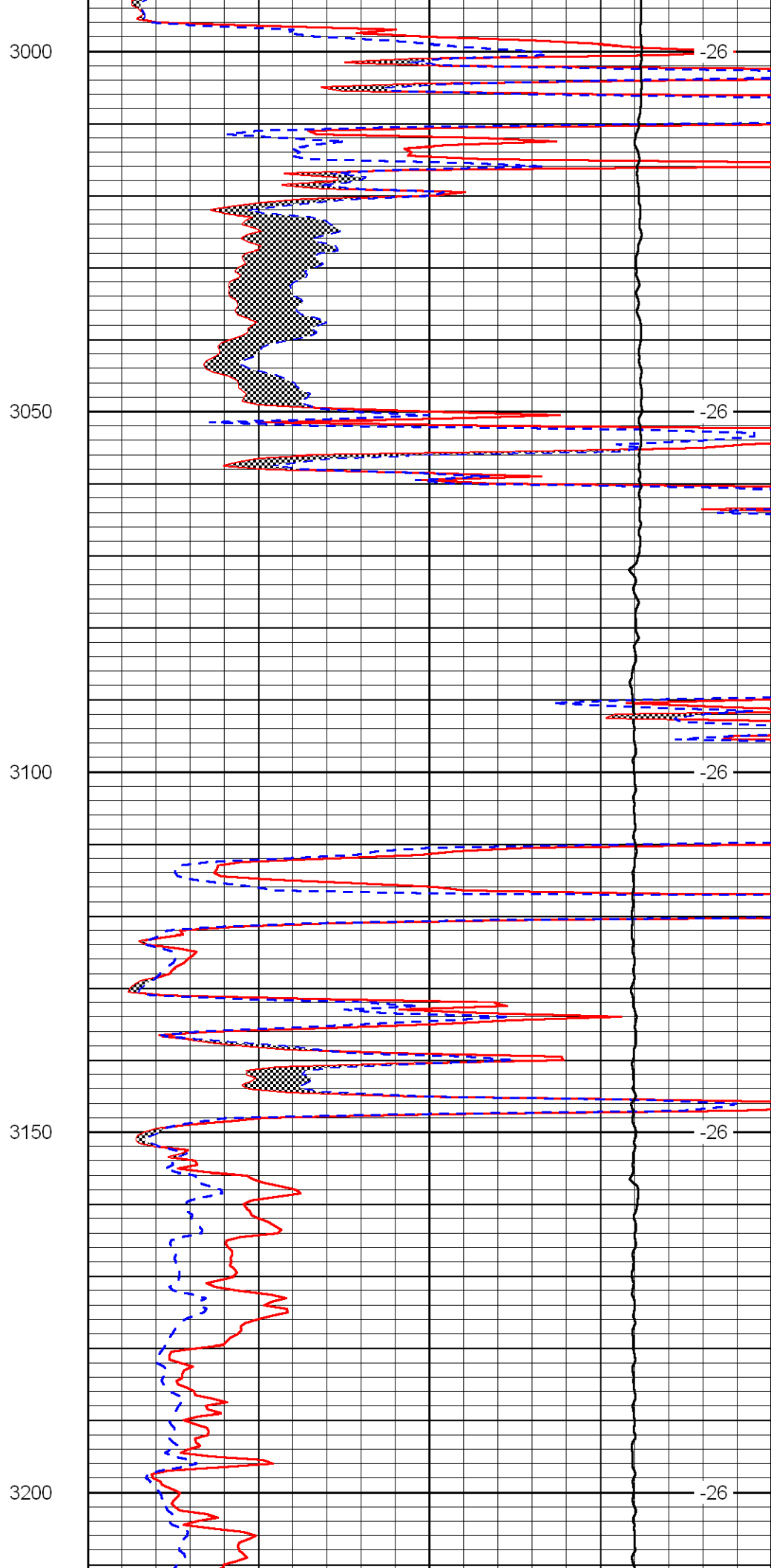
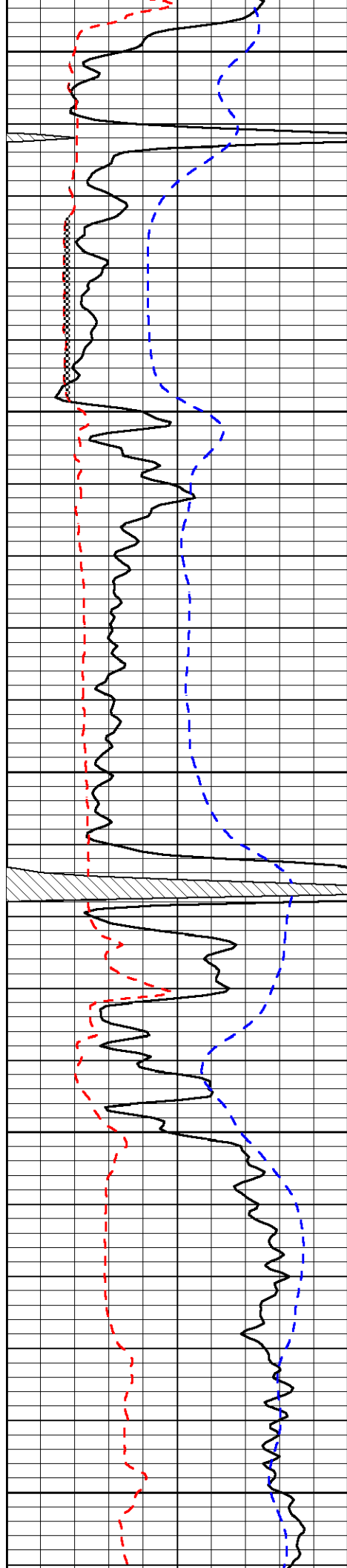


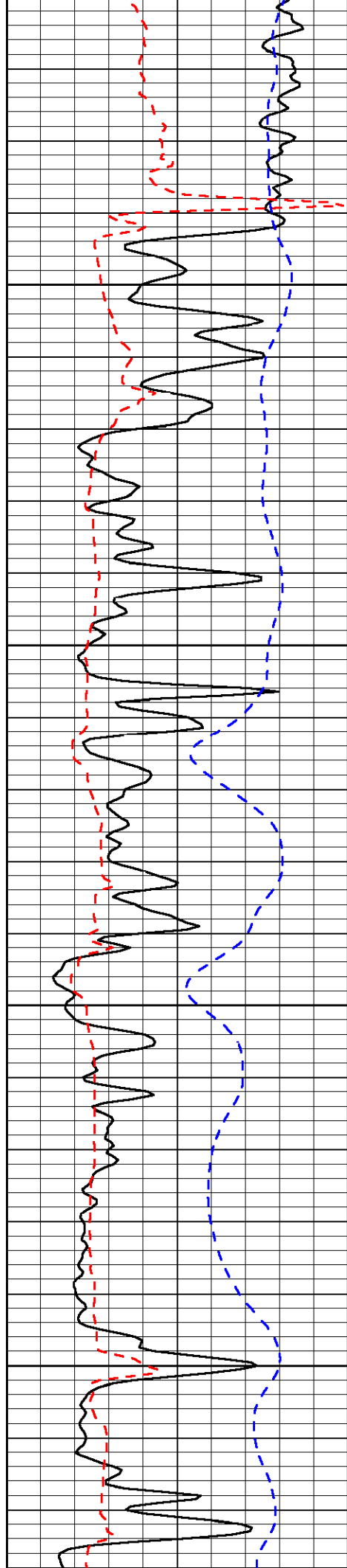
-27

-27

-26

-26



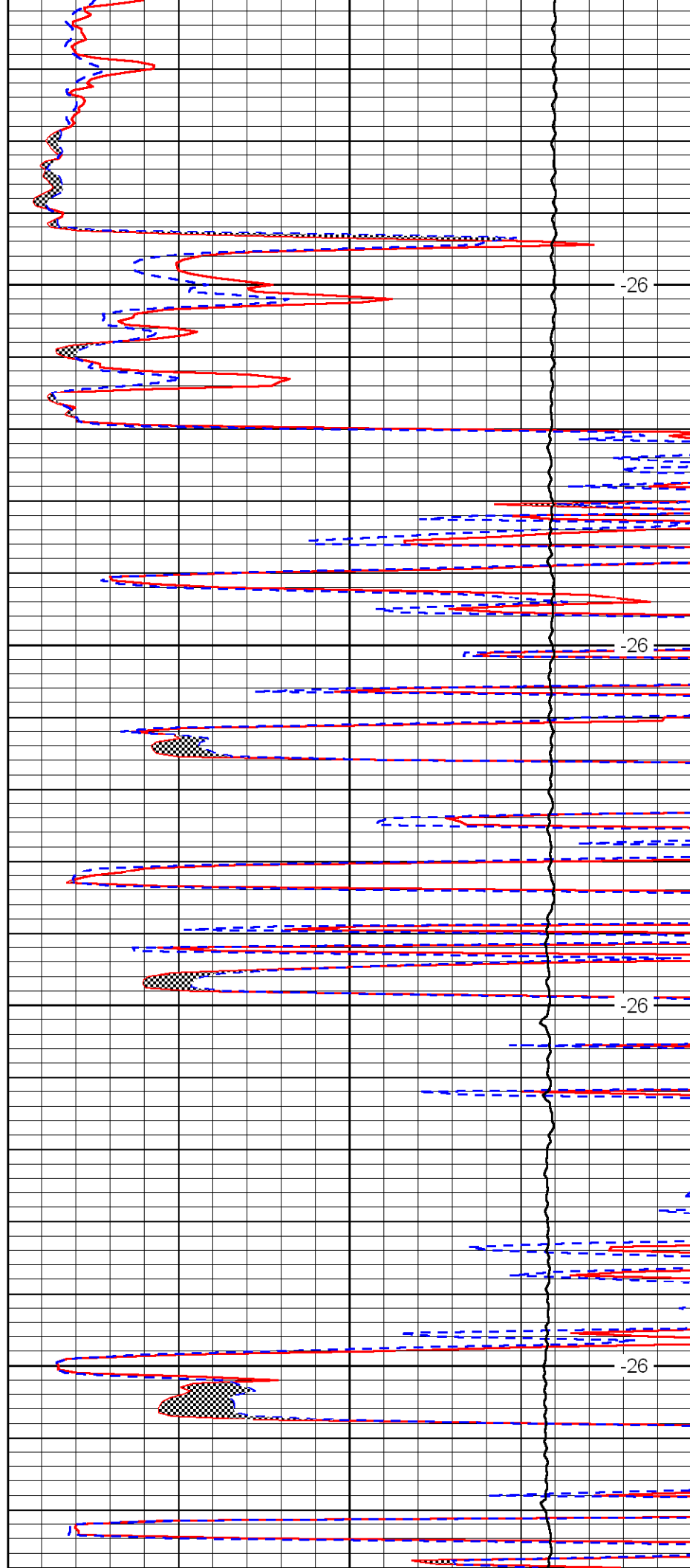


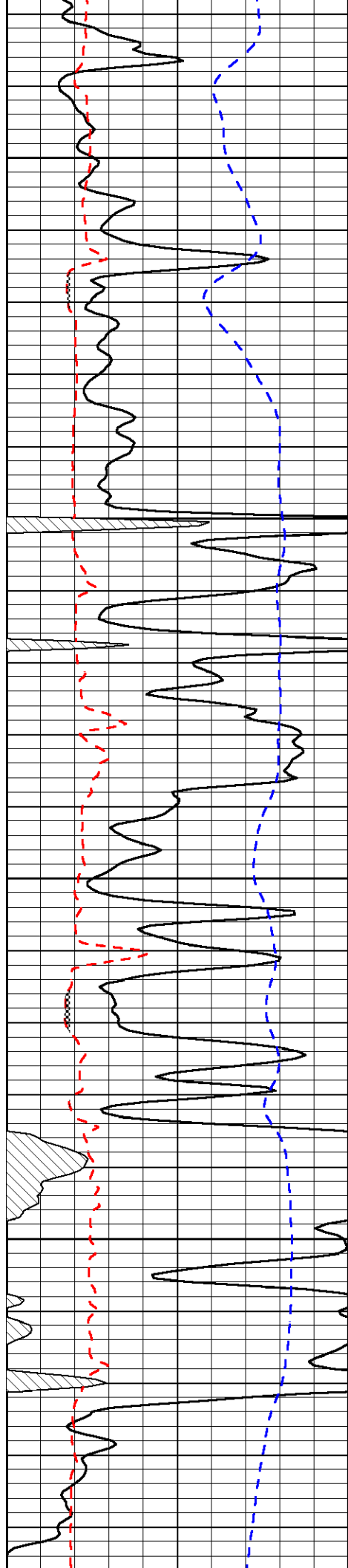
3250

3300

3350

3400



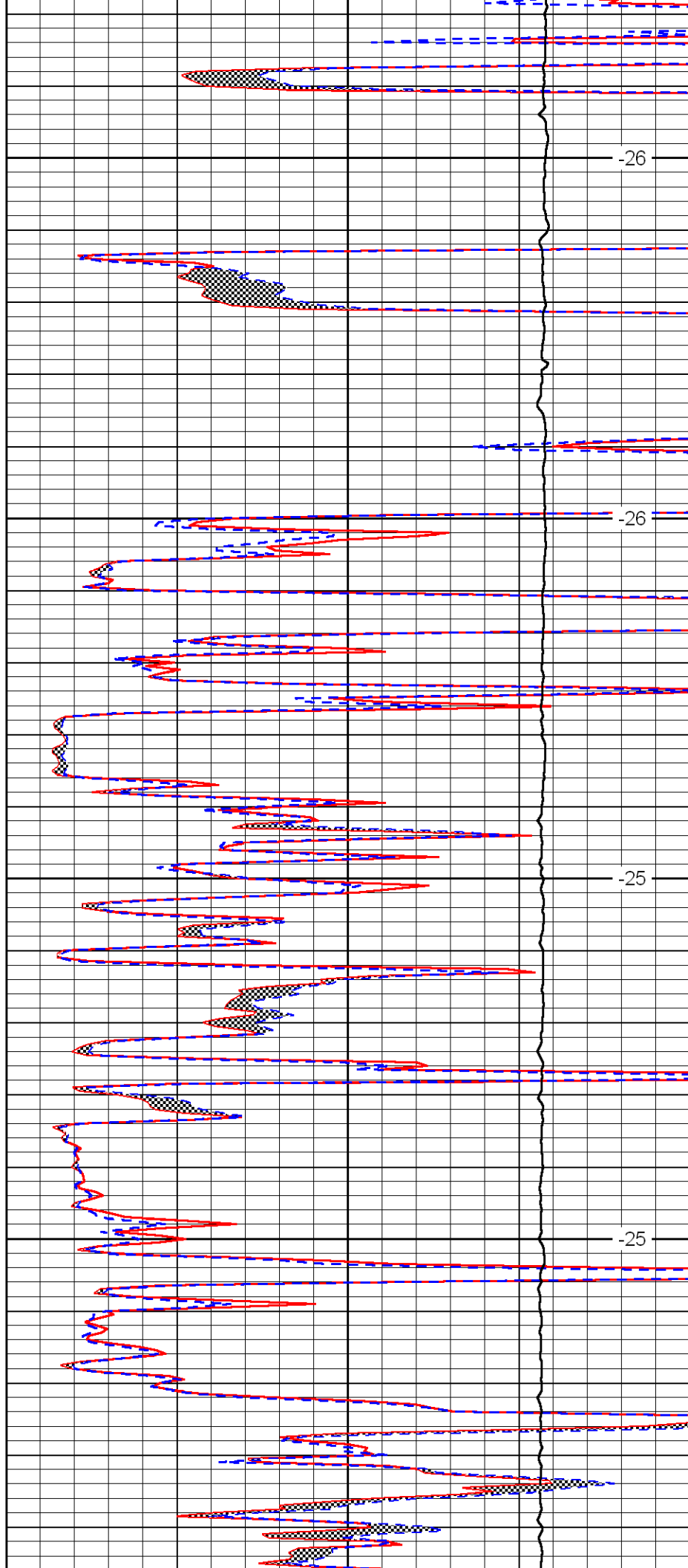


3450

3500

3550

3600

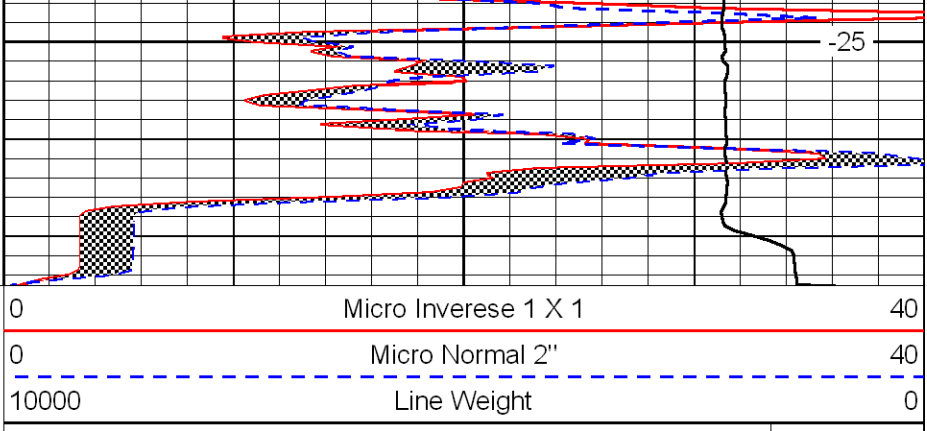
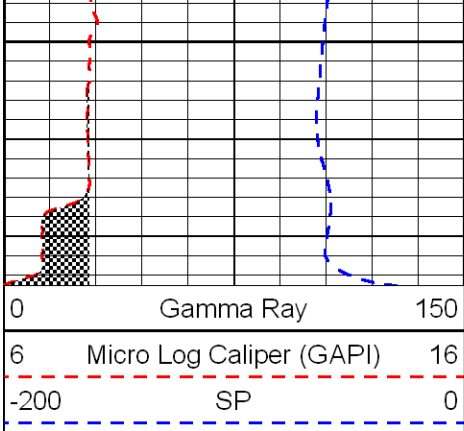


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