



Pioneer Energy Services

Microresistivity Log

API No.	Company American Warrior, Inc.				
	Well Palkowitsh #1-2				
	Field Wildcat				
	County	Scott	State	Kansas	
15-171-21,028-00-00	Location	970' FNL & 1,296' FEL			Other Services CNL/CDL DIL/BHCS
	Sec: 2	Twp: 18S	Rge: 34W	Elevation	
	Permanent Datum Log Measured From Drilling Measured From	Ground Level Kelly Bushing From Kelly Bushing	Elevation 3097 9 Ft. Above Perm. Datum	K.B. 3106 D.F. G.L. 3097	
Date	2/22/2014				
Run Number	Two				
Depth Driller	5000				
Depth Logger	4999				
Bottom Logged Interval	4998				
Top Log Interval	3800				
Casing Driller	8.625 @ 309				
Casing Logger	302				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	4000				
Density / Viscosity	9.6	50			
pH / Fluid Loss	10.0	10.0			
Source of Sample	Flowline				
Rm @ Meas. Temp	.34 @ 78				
Rmf @ Meas. Temp	.26 @ 78				
Rmc @ Meas. Temp	.46 @ 78				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.21 @ 126				
Operating Rig Time	4 1/2 Hours				
Max Rec. Temp. F	126				
Equipment Number	108				
Location	Hays				
Recorded By	J. Long				
Witnessed By	Macklin Armstrong				

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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.

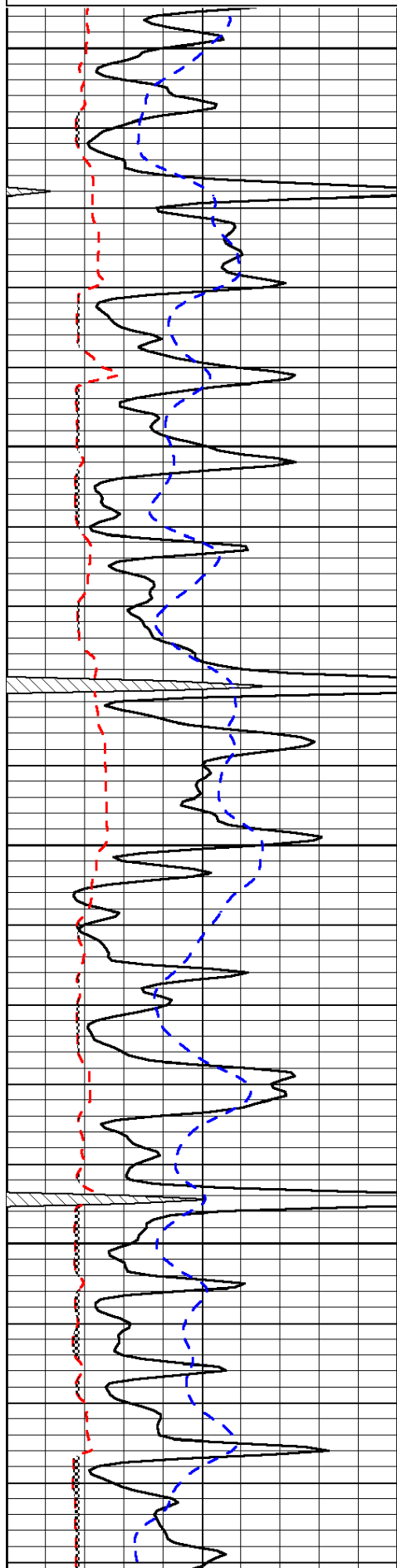
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Scott City, 7 West, 2 3/4 North, West Into

Database File: c:\warrior\data\amwar_palkowitsh #1-2\amwarrior_palkowitsh_1-2hd.db
Dataset Pathname: dil\awstck
Presentation Format: micro
Dataset Creation: Sat Feb 22 15:39:30 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



3800

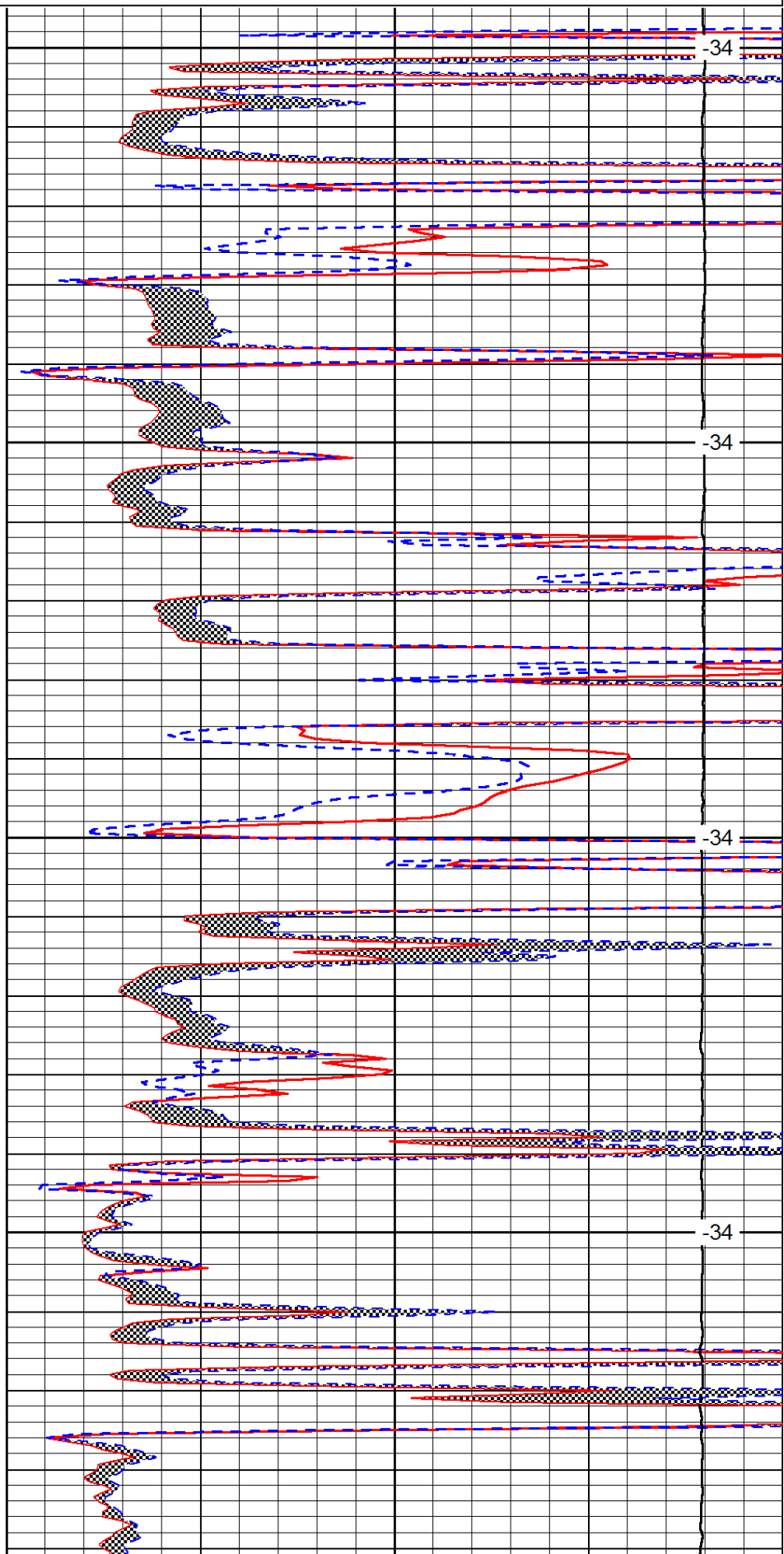
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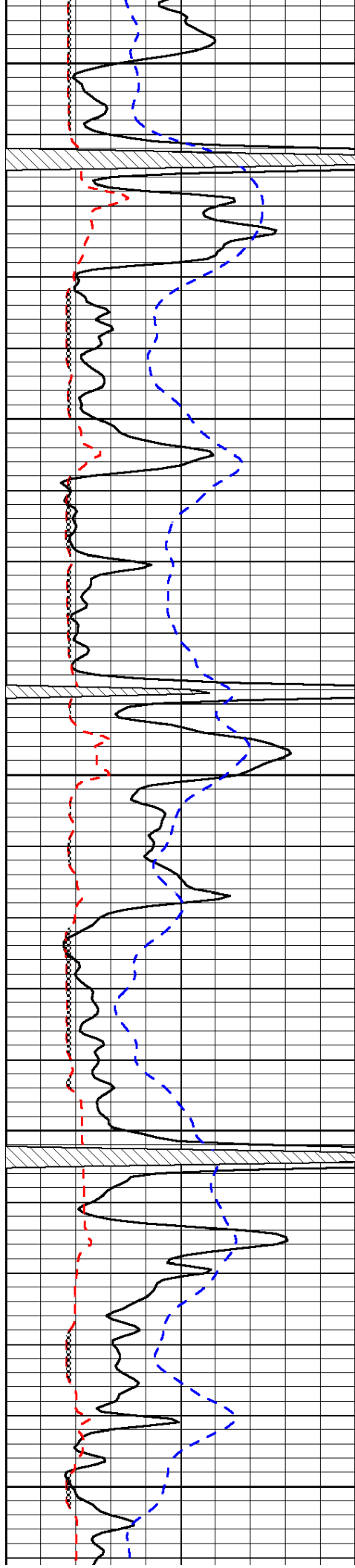
3900

3950

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

LSPD





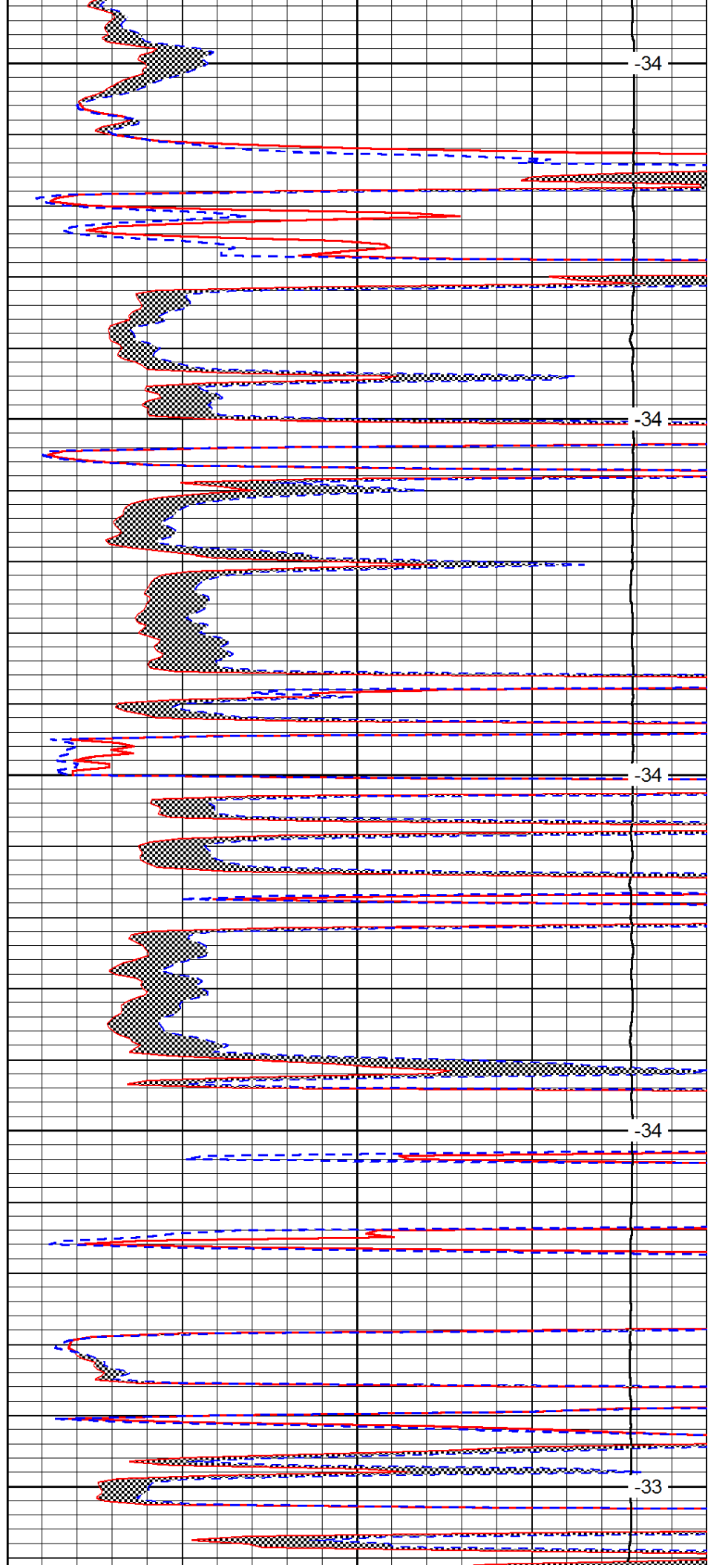
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4050

4100

4150

4200



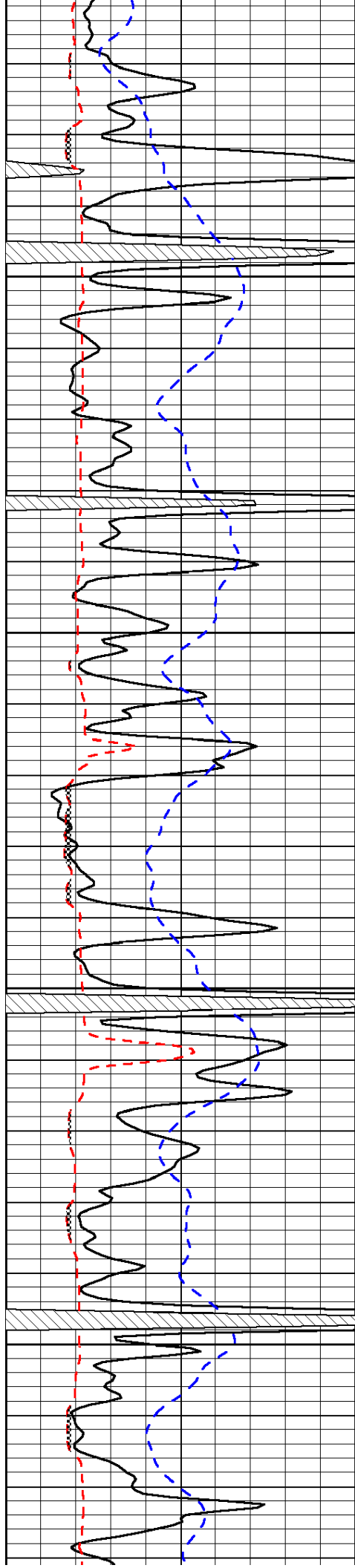
-34

-34

-34

-34

-33

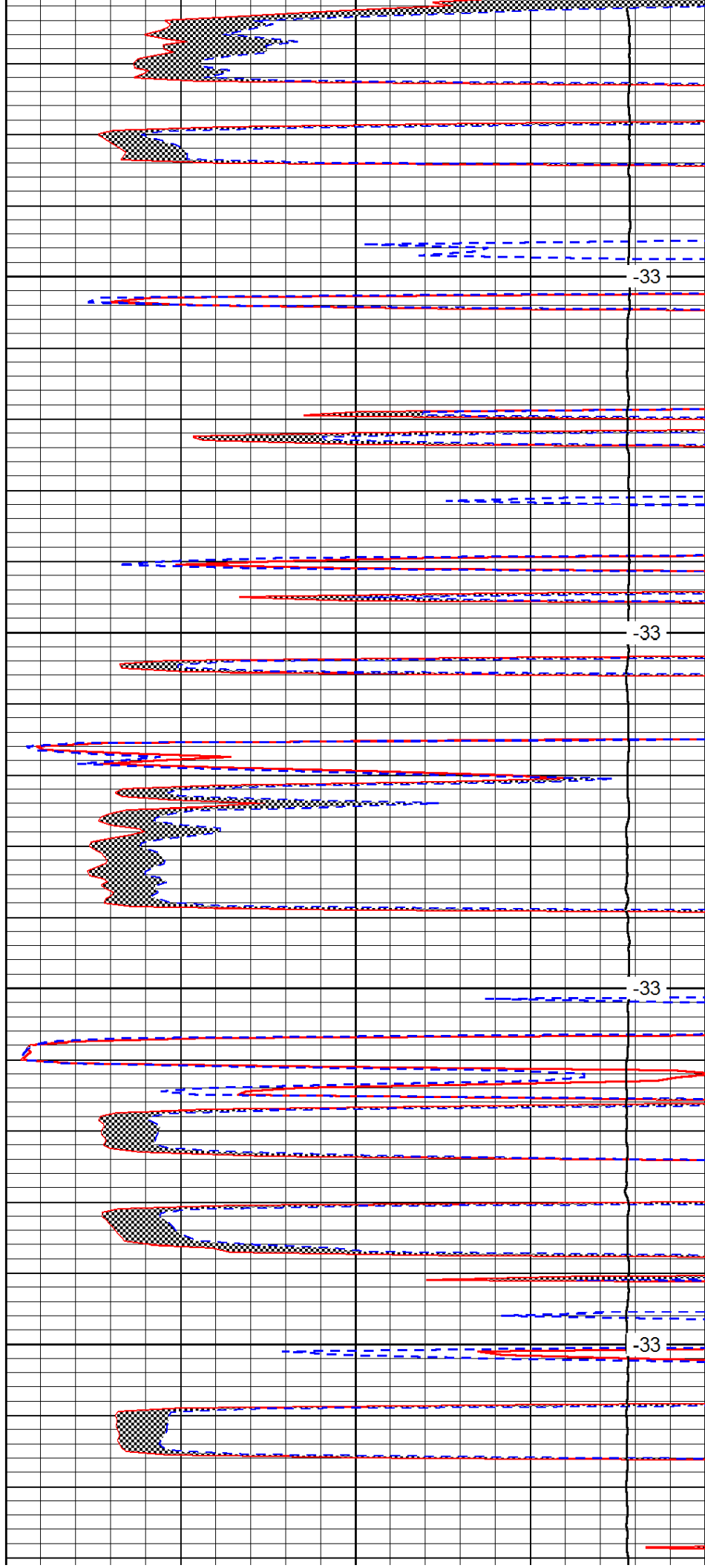


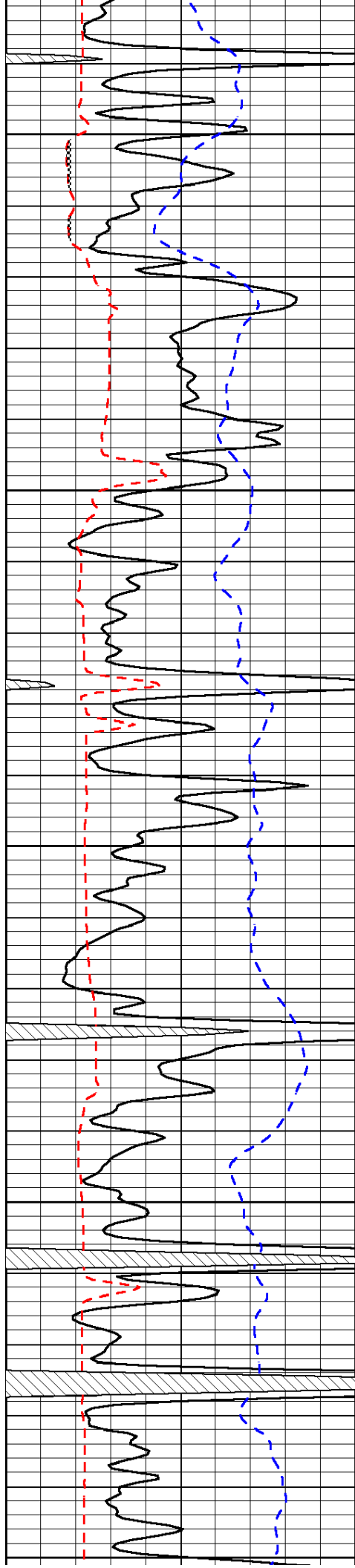
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4300

4350

4400





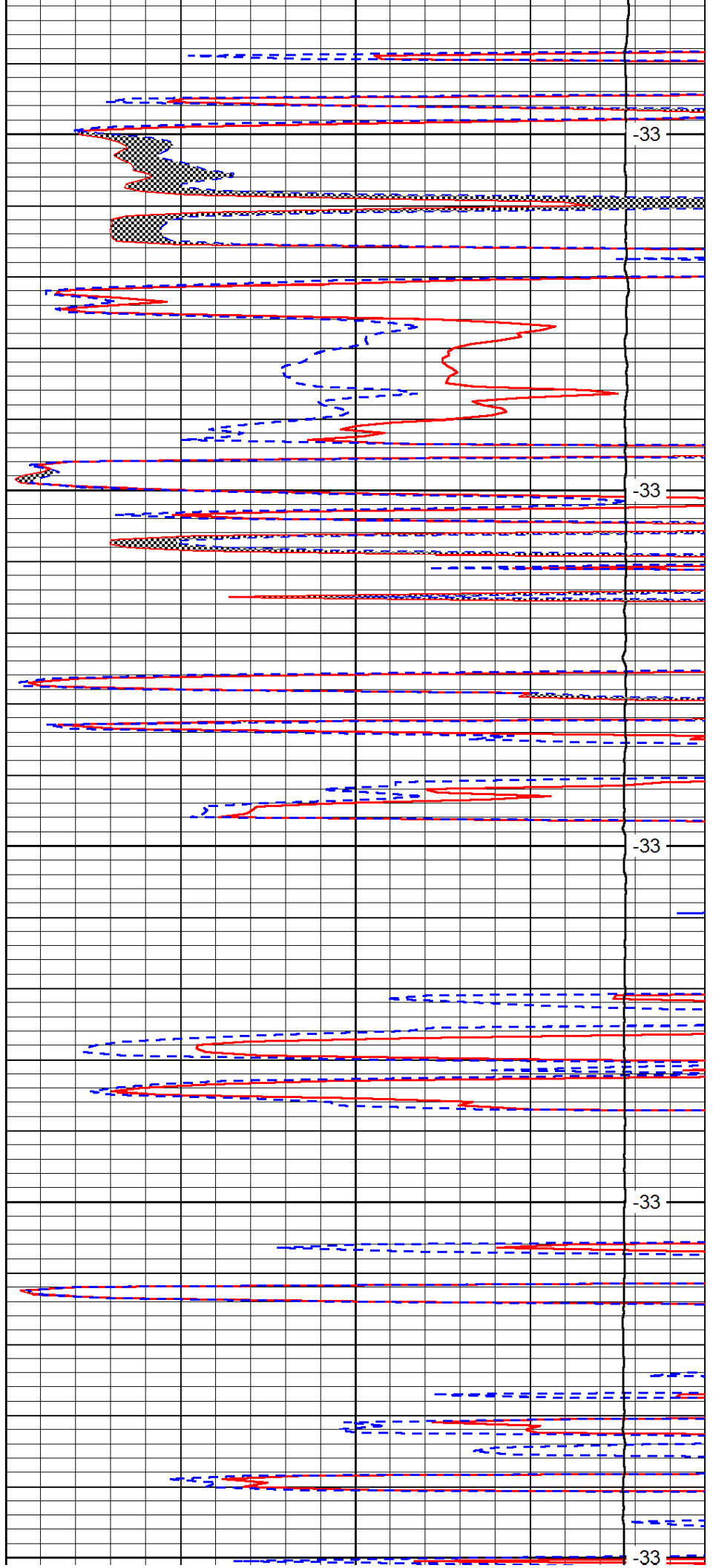
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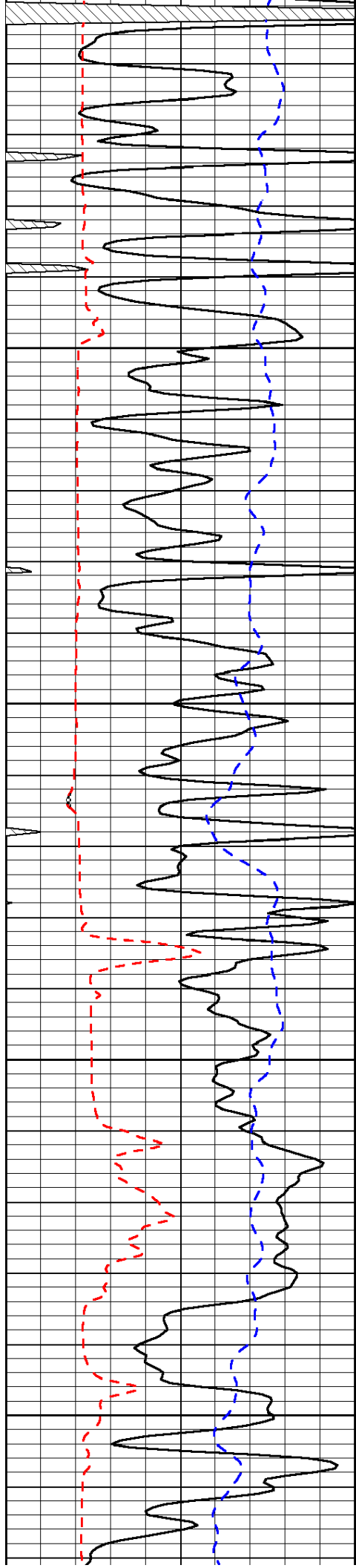
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4550

4600

4650



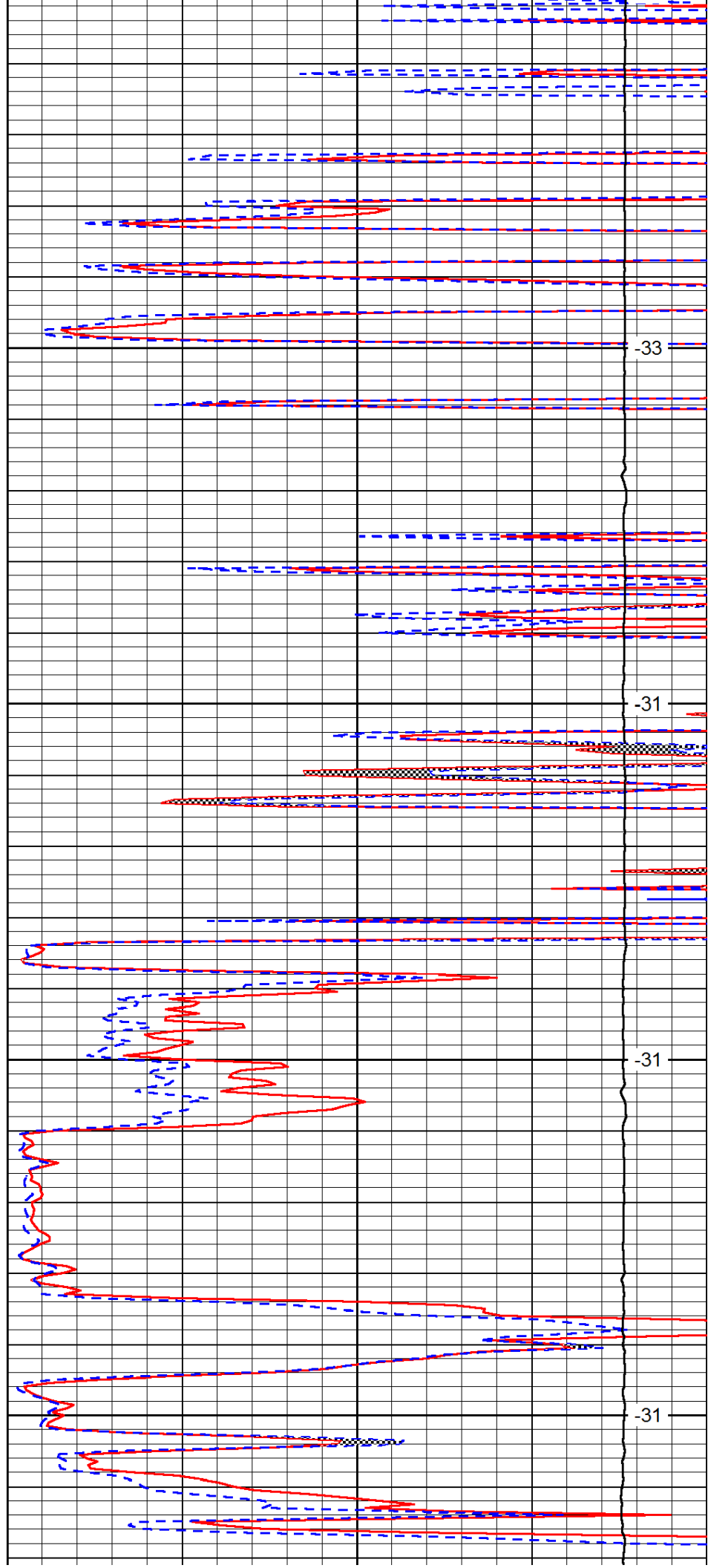


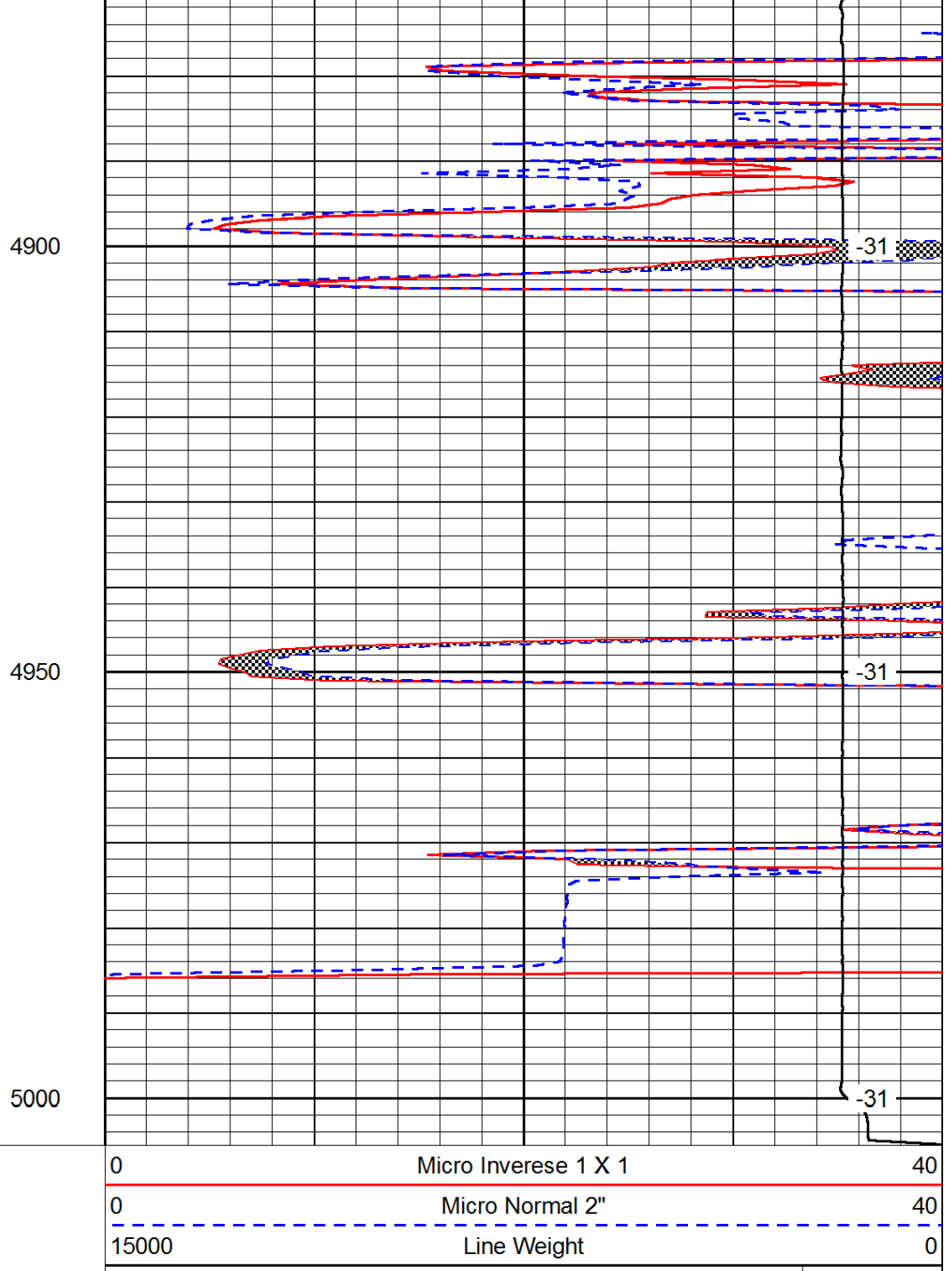
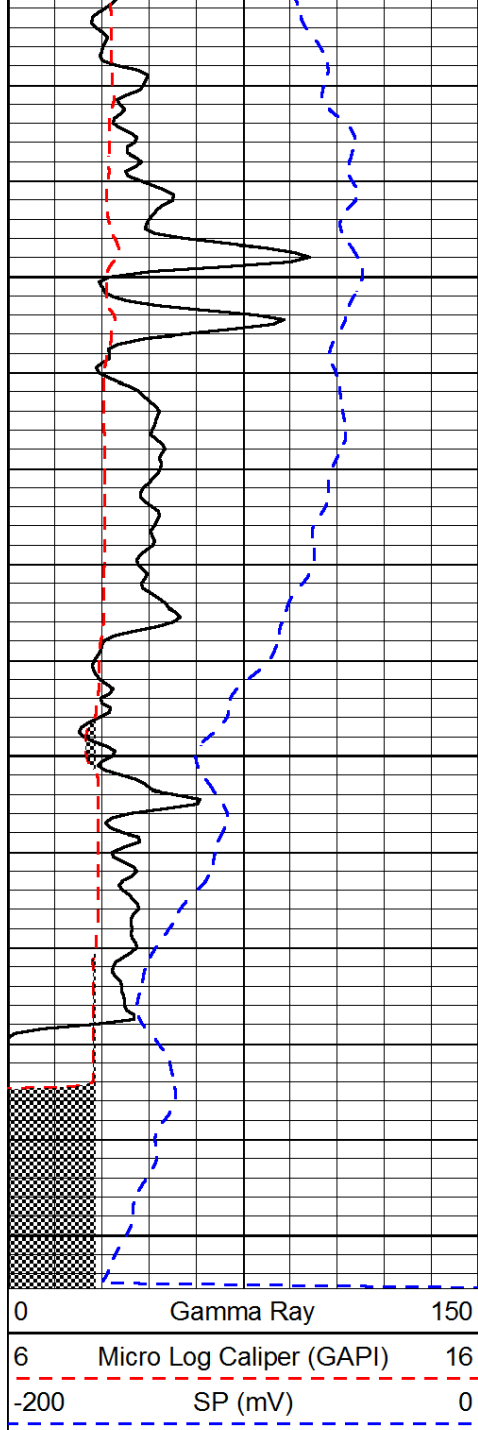
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4750

4800

4850





LSPD