



Pioneer Energy Services

Microresistivity Log

API No.	Company American Warrior, Inc.		
	Well Foos #6-23		
	Field Flavius South		
	County Rush	State	Kansas
	Location 1242' FNL & 2308' FEL	Other Services CNL/CDL DIL	
	Sec: 23	Twp: 19S	Rge: 20W
Permanent Datum	Ground Level	Elevation 2198	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2206 D.F. 2198 G.L. 2198	
Date	1/21/2013		
Run Number	Two		
Depth Driller	4318		
Depth Logger	4320		
Bottom Logged Interval	4319		
Top Log Interval	3600		
Casing Driller	8.625 @ 283		
Casing Logger	275		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	7.000		
Density / Viscosity	9.35 45		
pH / Fluid Loss	10.0 9.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.35 @ 60		
Rmf @ Meas. Temp	.26 @ 60		
Rmc @ Meas. Temp	.47 @ 60		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.18 @ 119		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	119		
Equipment Number	15		
Location	Hays		
Recorded By	J. Henrickson	D.Kerr	
Witnessed By	Jason Alm		

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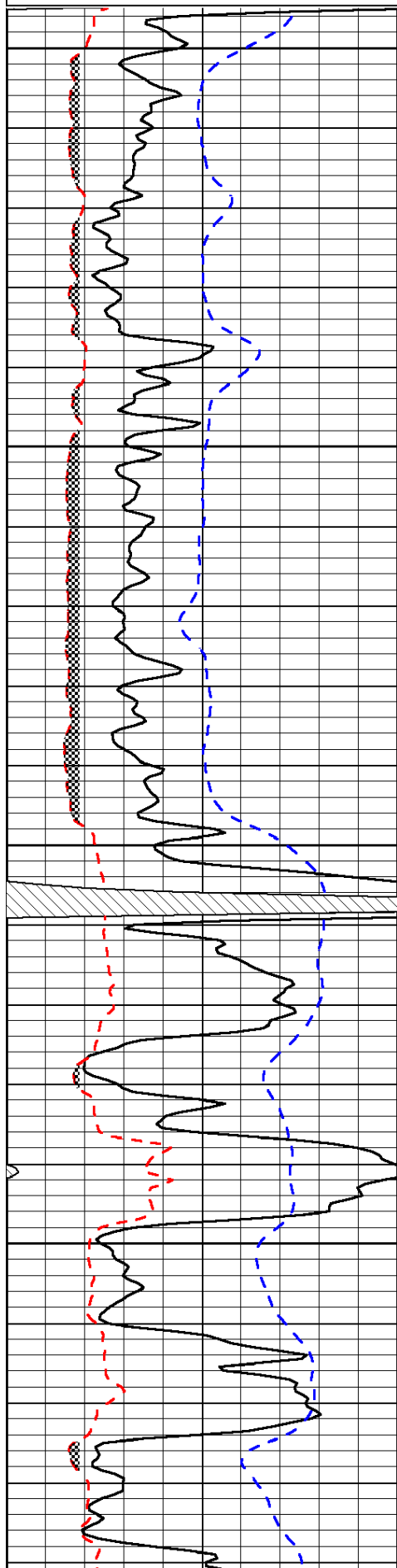
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Nekoma Kansas
2 West to 160 rd, 5 South to V rd,
1 1/4 West, South Into

Database File: c:\warrior\data\amwar_foos #6-23\americanwarrior_foos_6_23hd.db
Dataset Pathname: DIL\awstk
Presentation Format: micro
Dataset Creation: Tue Jan 22 02:27:03 2013
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

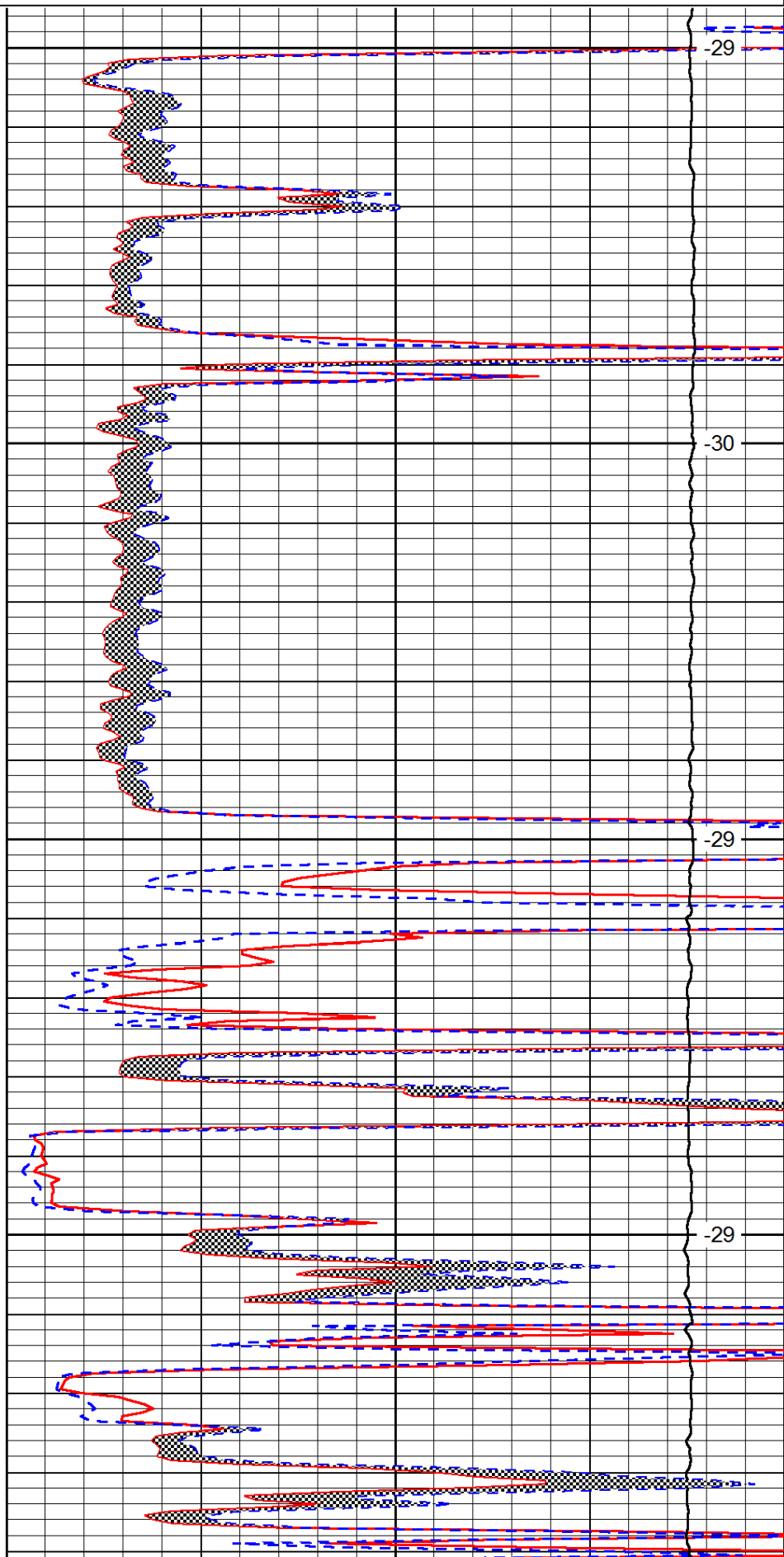


3600

3650

3700

3750



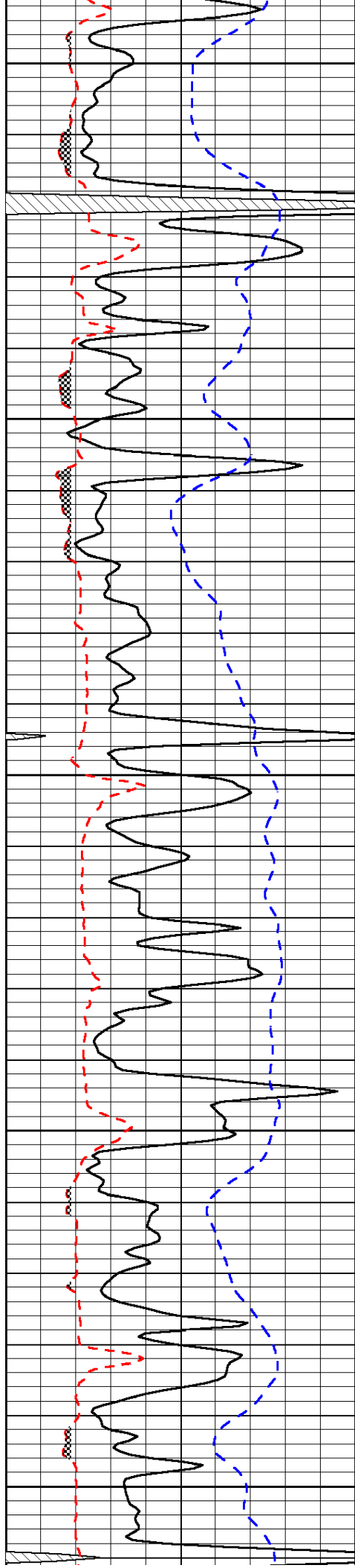
-29

-30

-29

-29

LSPD



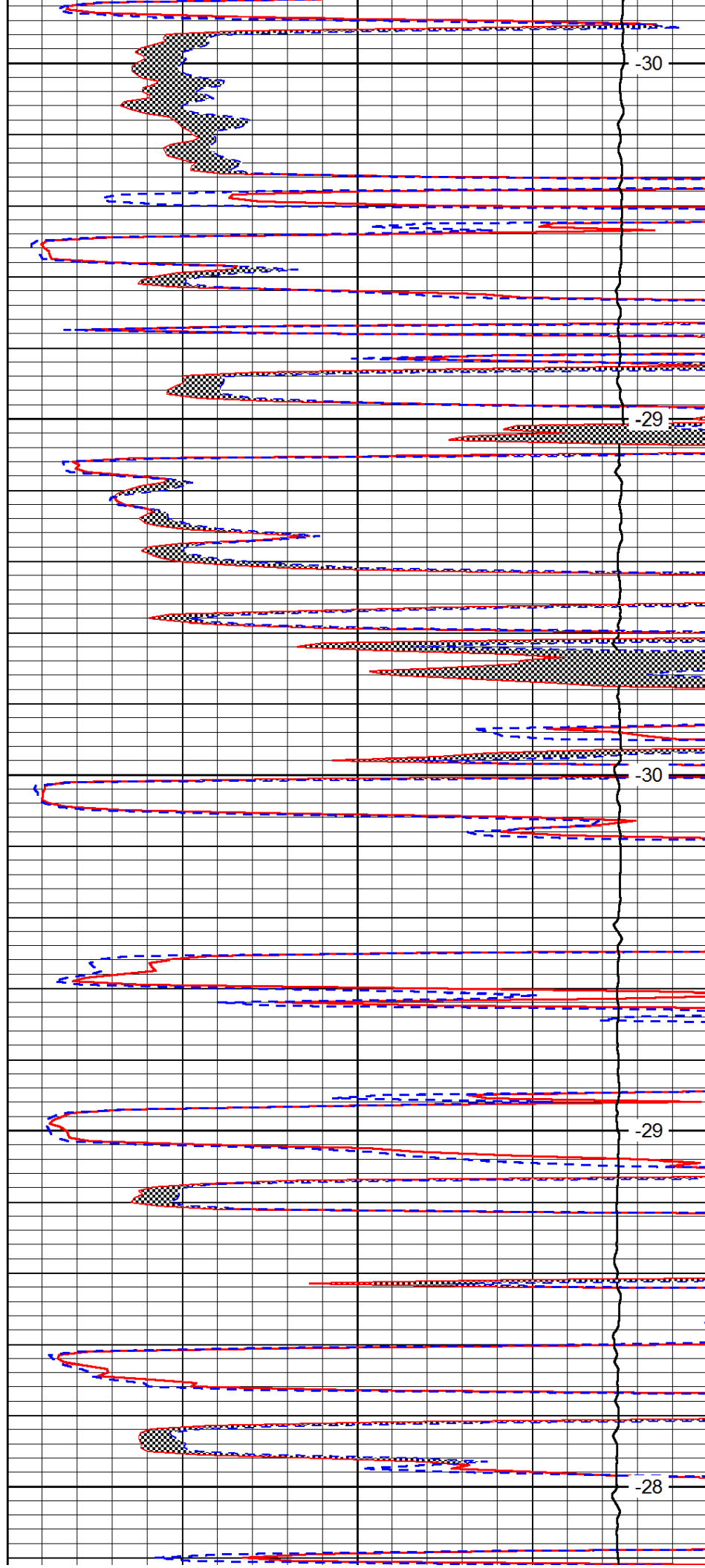
3800

3850

3900

3950

4000



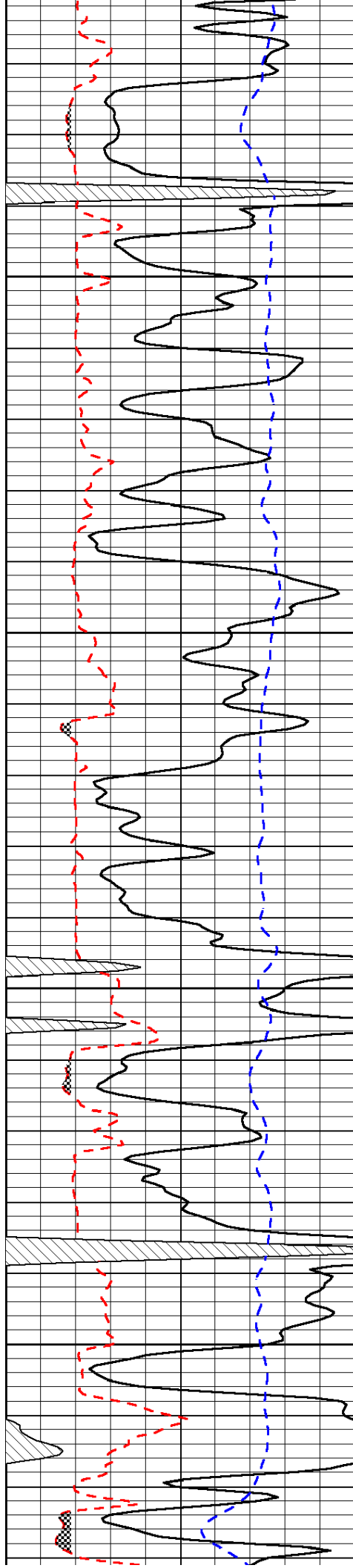
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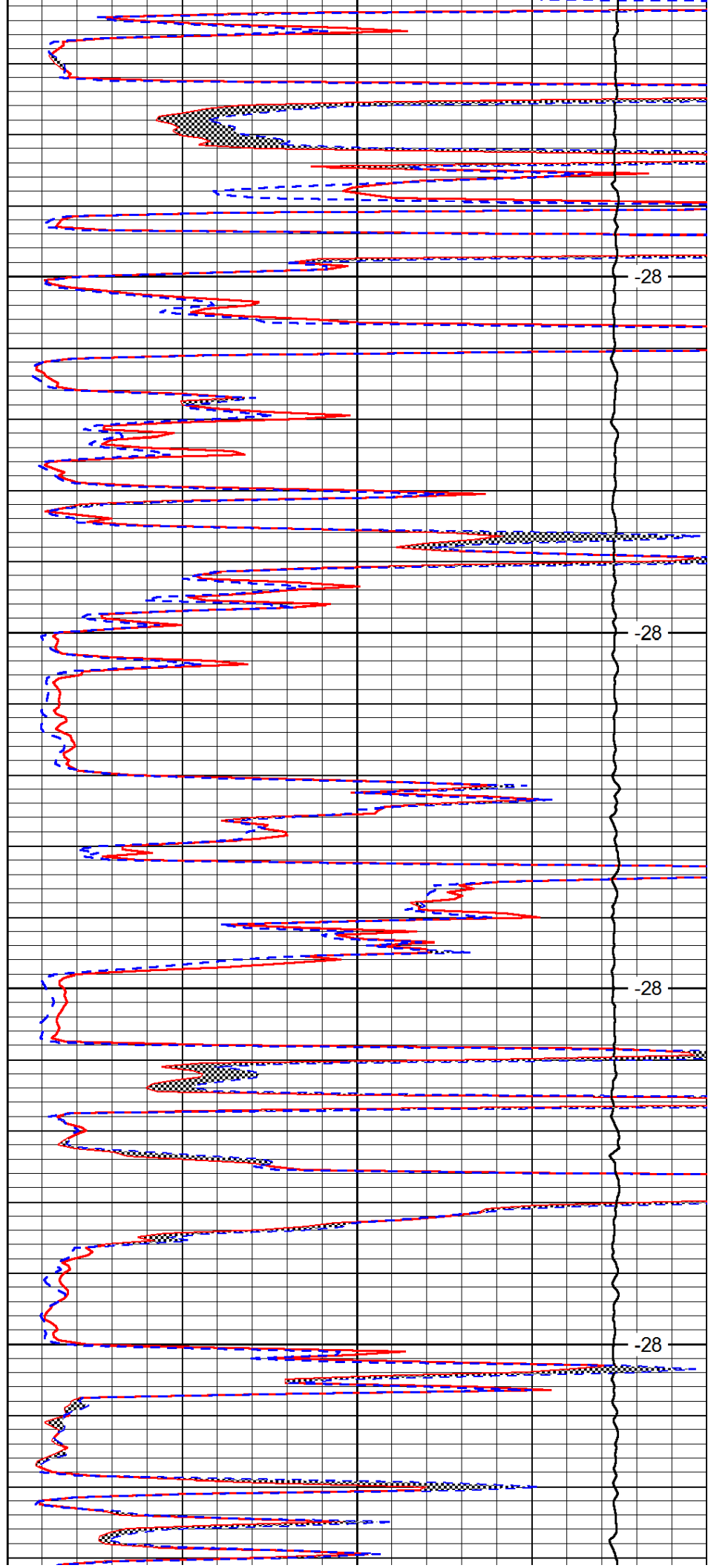


4050

4100

4150

4200

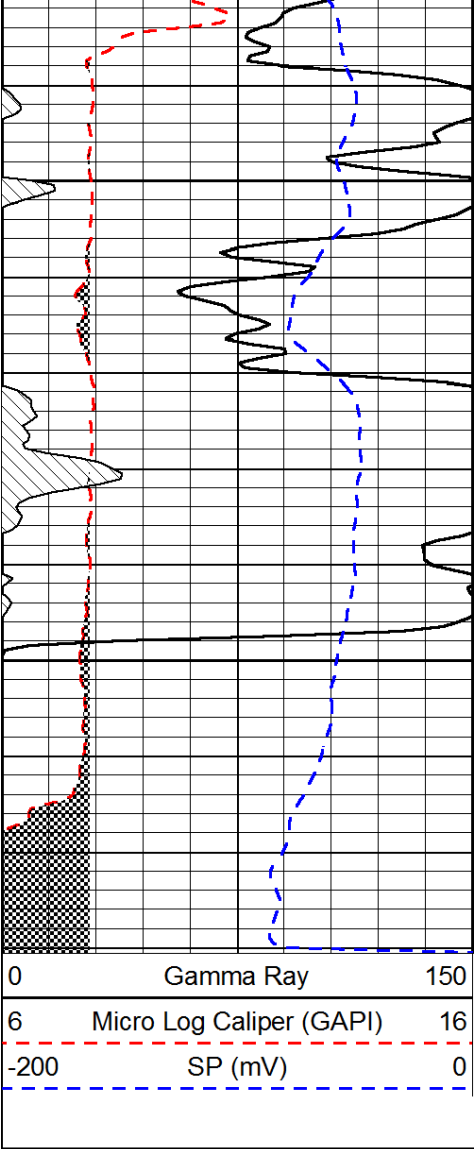


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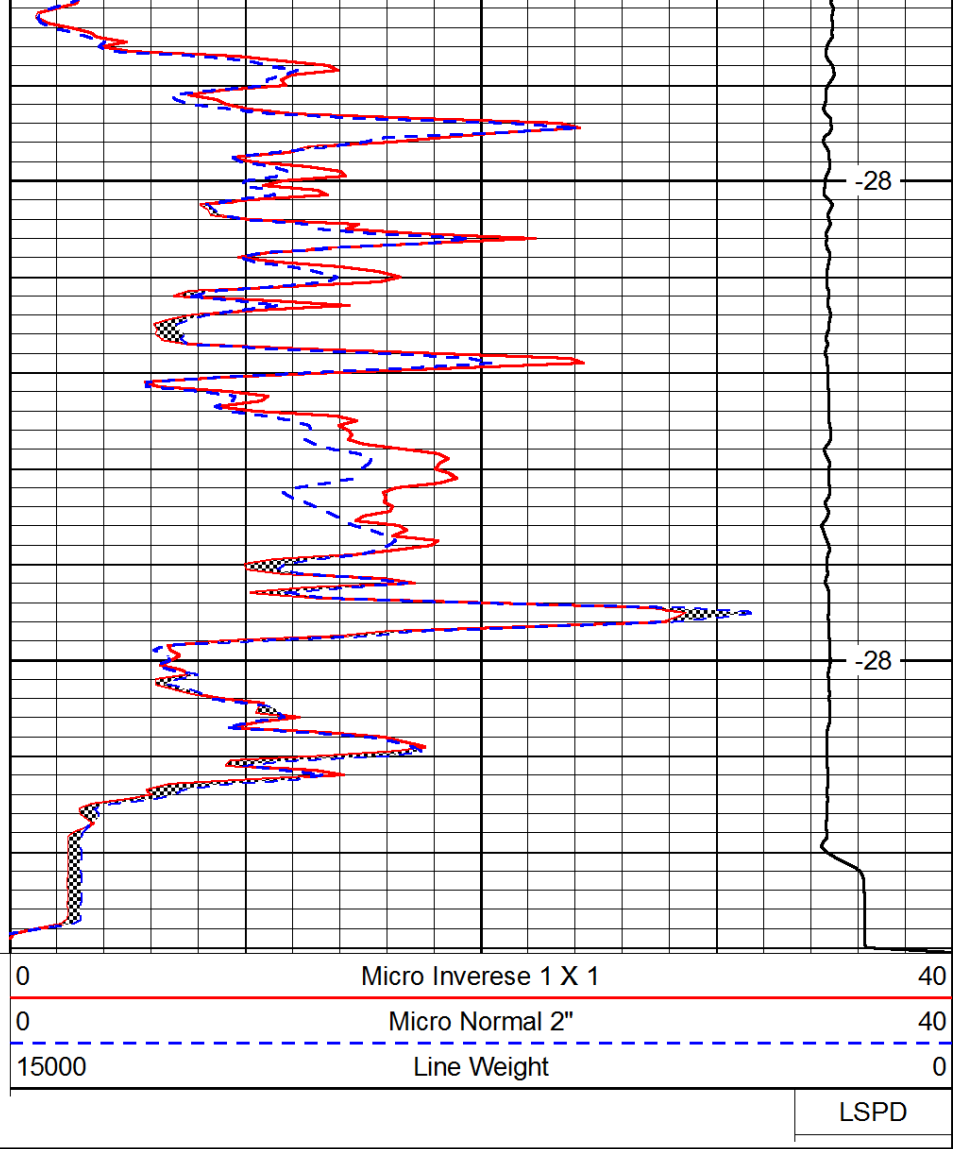
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4250

4300



-28

-28

LSPD