



Microresistivity Log

Pioneer Energy Services

API No.	Company Berexco LLC		
	Well Michael #4-22		
	Field		
	County	Rawlins	State Kansas
	Location	2,450' FNL & 2,160' FWL	
	Sec: 22	Twp: 1S	Rge: 36W
	Permanent Datum Ground Level		Elevation 3173
	Log Measured From Kelly Bushing		13 Ft. Above Perm. Datum
	Drilling Measured From Kelly Bushing		K.B. 3186 D.F. 3173 G.L. 3173
Date	3/5/2014		
Run Number	Two		
Depth Driller	4450		
Depth Logger	4446		
Bottom Logged Interval	4445		
Top Log Interval	3500		
Casing Driller	8.625 @ 310		
Casing Logger	310		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1100		
Density / Viscosity	9.7 55		
pH / Fluid Loss	10.5 7.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.95 @ 70		
Rmf @ Meas. Temp	.71 @ 70		
Rmc @ Meas. Temp	1.28 @ 70		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.55 @ 121		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	121		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Peter J. Vollmer		

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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.

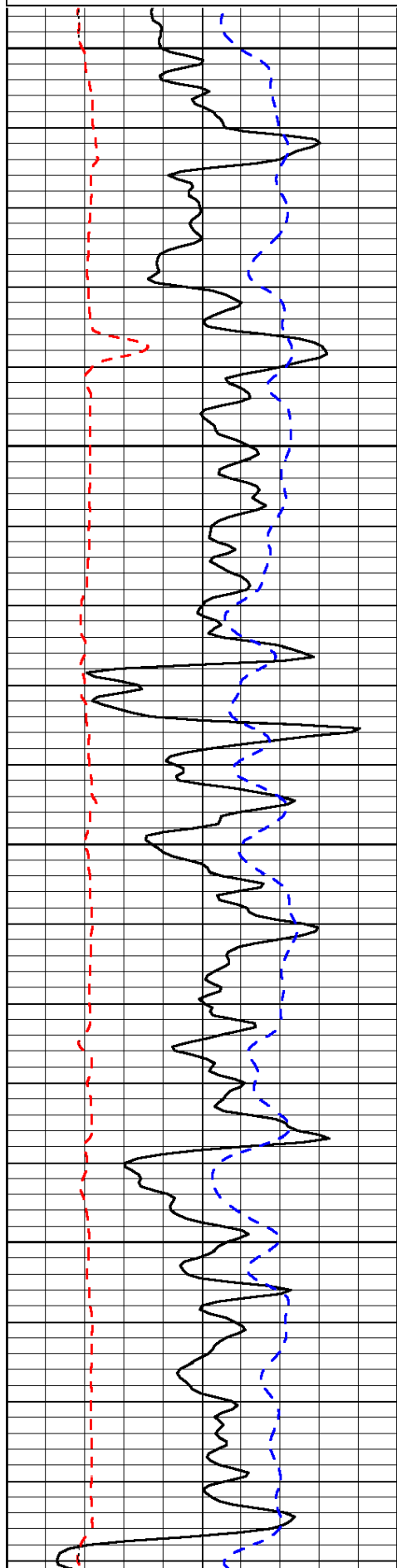
Comments

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

Beardsley, North to AA Road, West to 5.5 Road, 1 1/2 West,
North and East Into at Farmstead

Database File: c:\warrior\data\berexco_michael #4-22\berexco_michael_4-22hd.db
Dataset Pathname: rag/berrag
Presentation Format: micro
Dataset Creation: Wed Mar 05 18:00:45 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.10		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

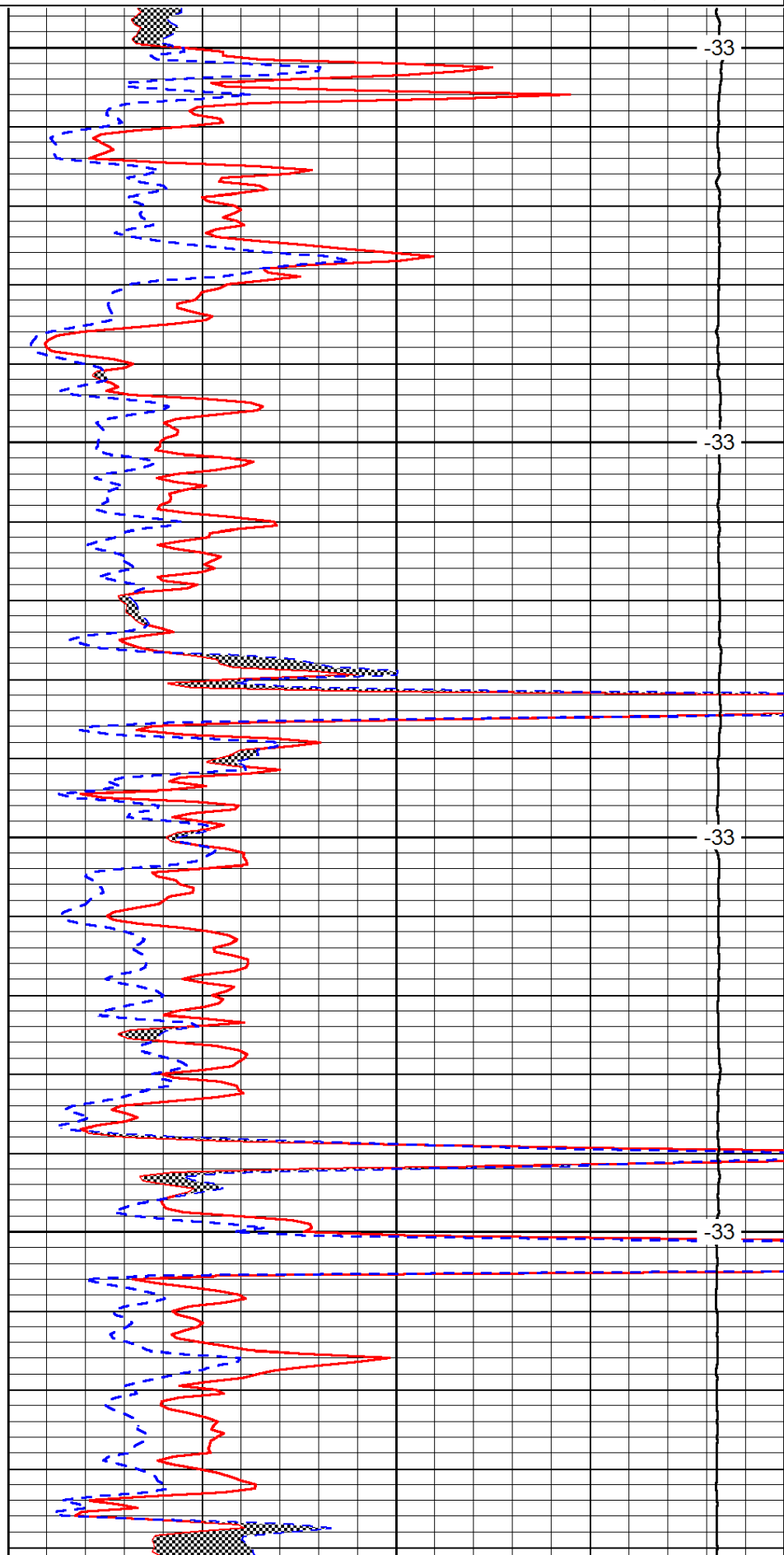


3500

3550

3600

3650



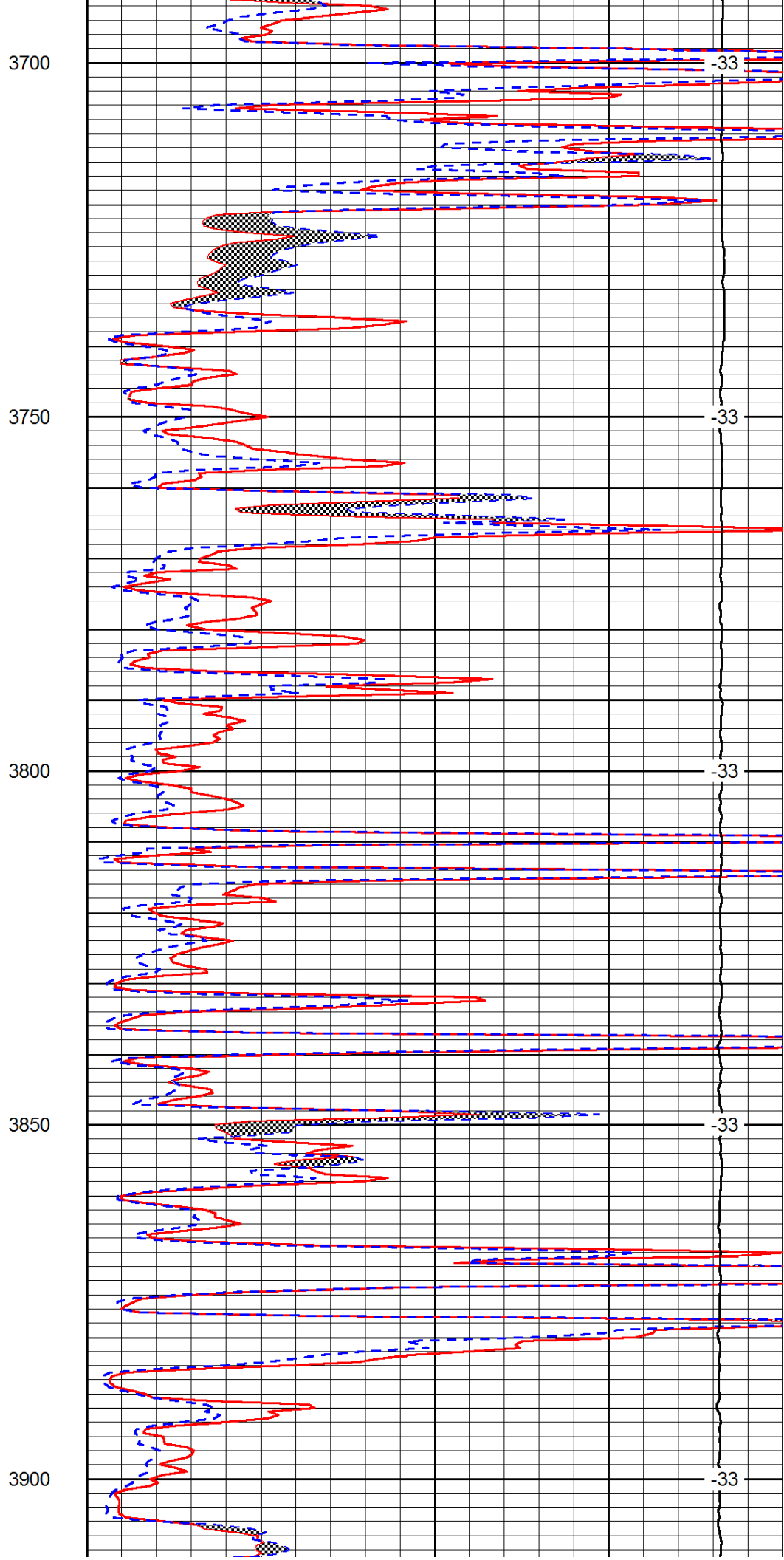
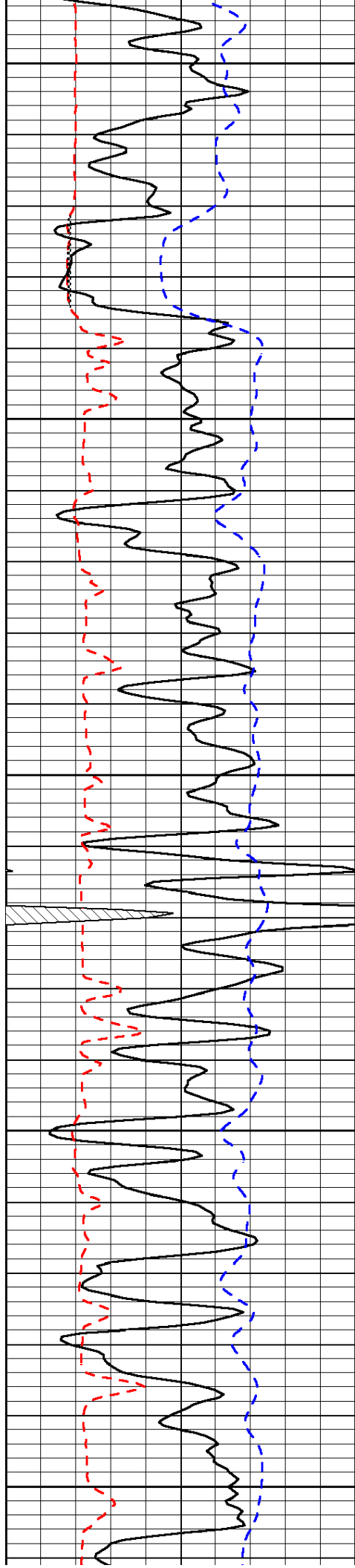
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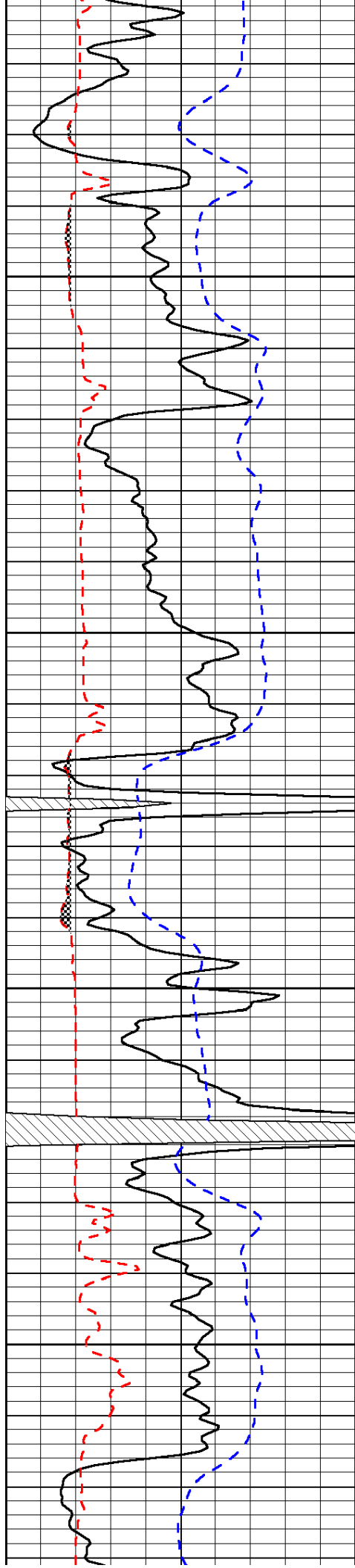
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LSPD



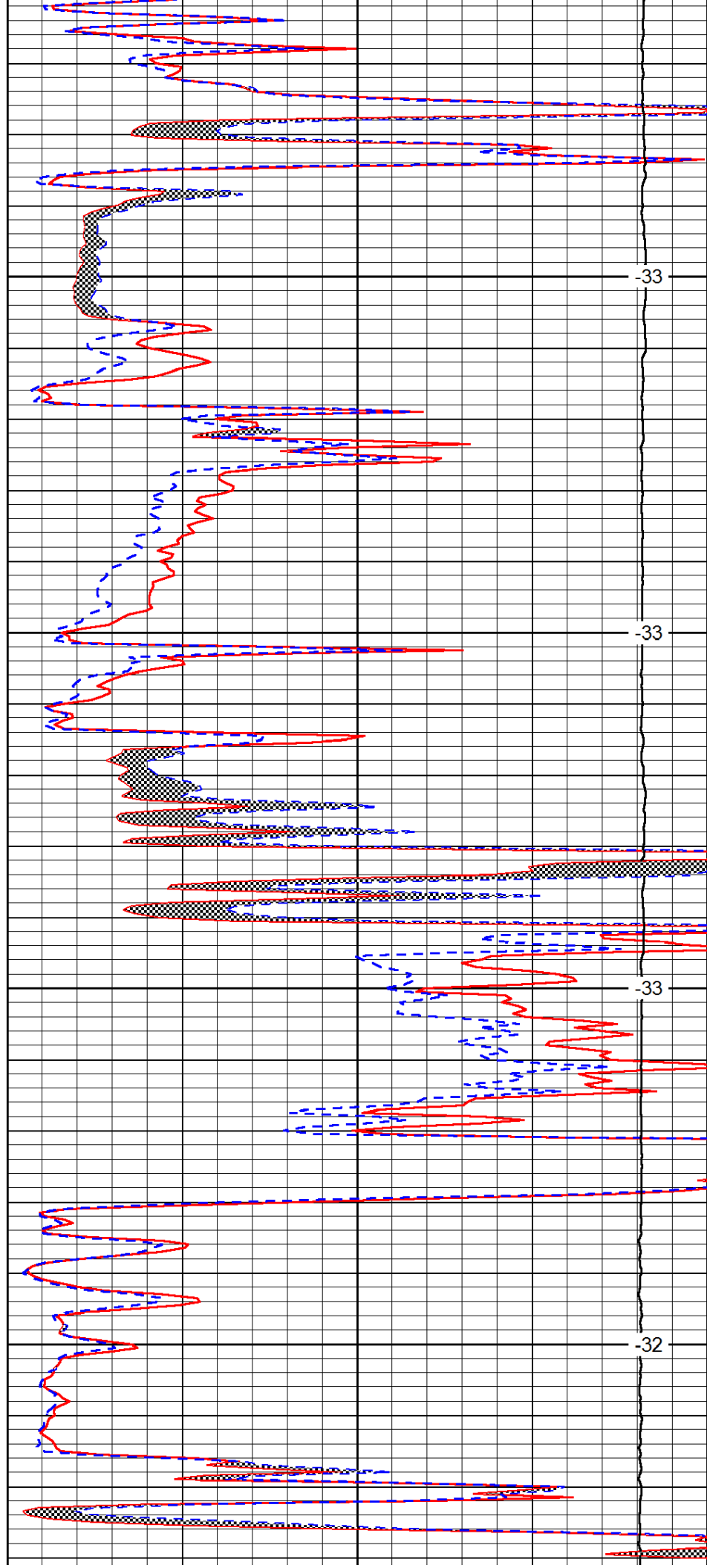


3950

4000

4050

4100

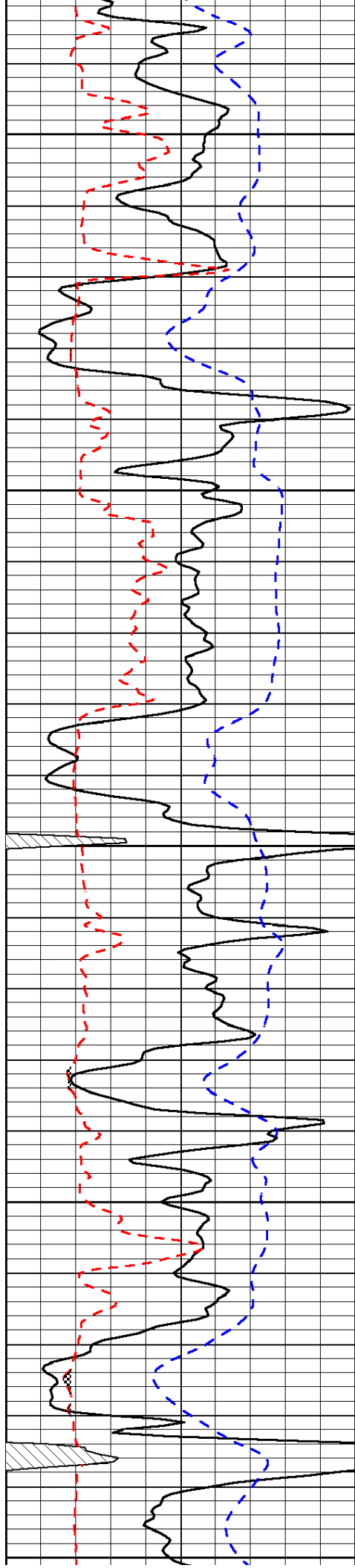


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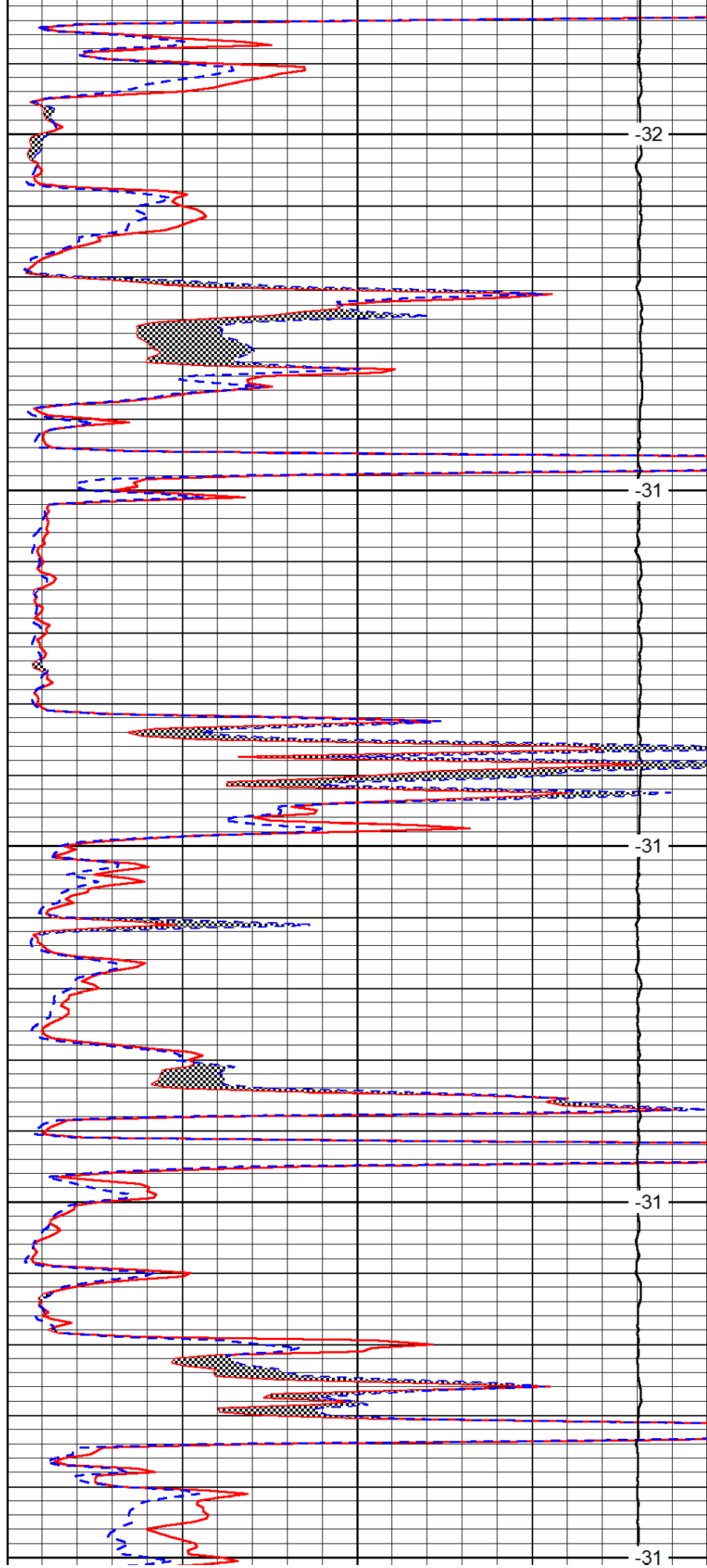
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4200

4250

4300

4350



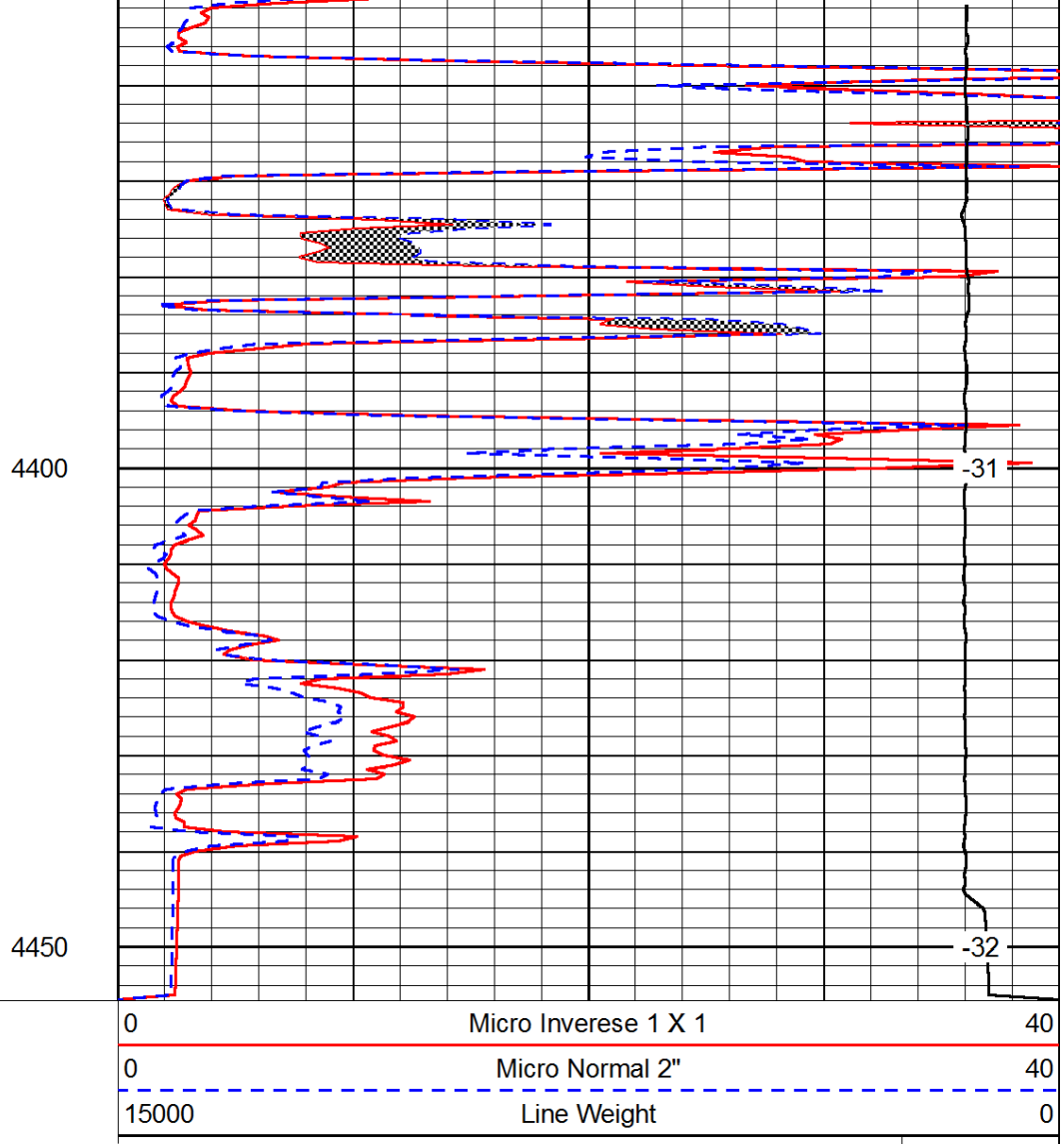
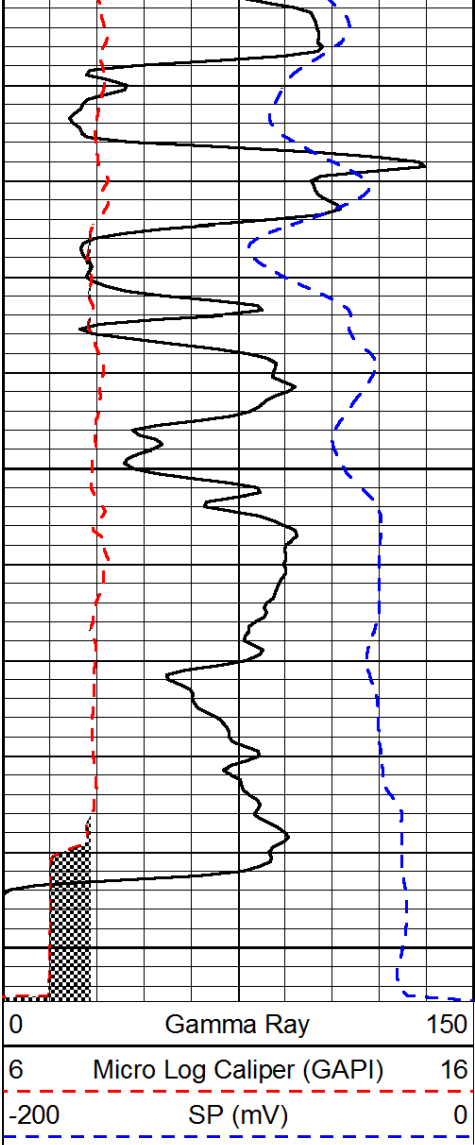
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LSPD