



Pioneer Energy Services

Microresistivity Log

API No.	Company TDI, Inc.		
	Well Nicholson Unit #1		
	Field Ellis Southeast		
	County Ellis	State	Kansas
15-051-26,598-00-00	Location	175' FNL & 1420' FEL	
	Sec: 7	Twp: 13S	Rge: 20W
	Permanent Datum	Ground Level	Elevation 2150
	Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From		Kelly Bushing	Elevation 2150
Date	10/16/2013		
Run Number	Two		
Depth Driller	3925		
Depth Logger	3927		
Bottom Logged Interval	3926		
Top Log Interval	3100		
Casing Driller	8.625 @ 200		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1,300		
Density / Viscosity	9.0	49	
pH / Fluid Loss	10.0	9.6	
Source of Sample	Flowline		
Rm @ Meas. Temp	1.8 @ 58		
Rmf @ Meas. Temp	1.35 @ 58		
Rmc @ Meas. Temp	2.43 @ 58		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.91 @ 115		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	115		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Tom Denning		

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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.

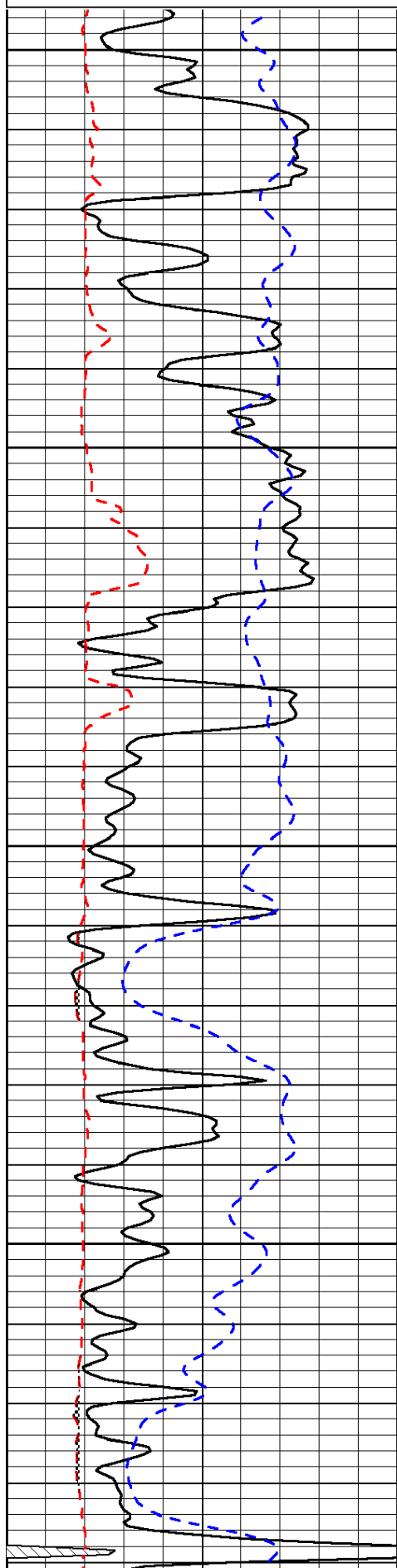
Comments

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

Ellis KS, 1 1/8 W on 6th St,
S Into

Database File: c:\warrior\data\tdi_nicholson unit #1\tdihd.db
Dataset Pathname: dil/tdistk
Presentation Format: micro
Dataset Creation: Wed Oct 16 15:12:09 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

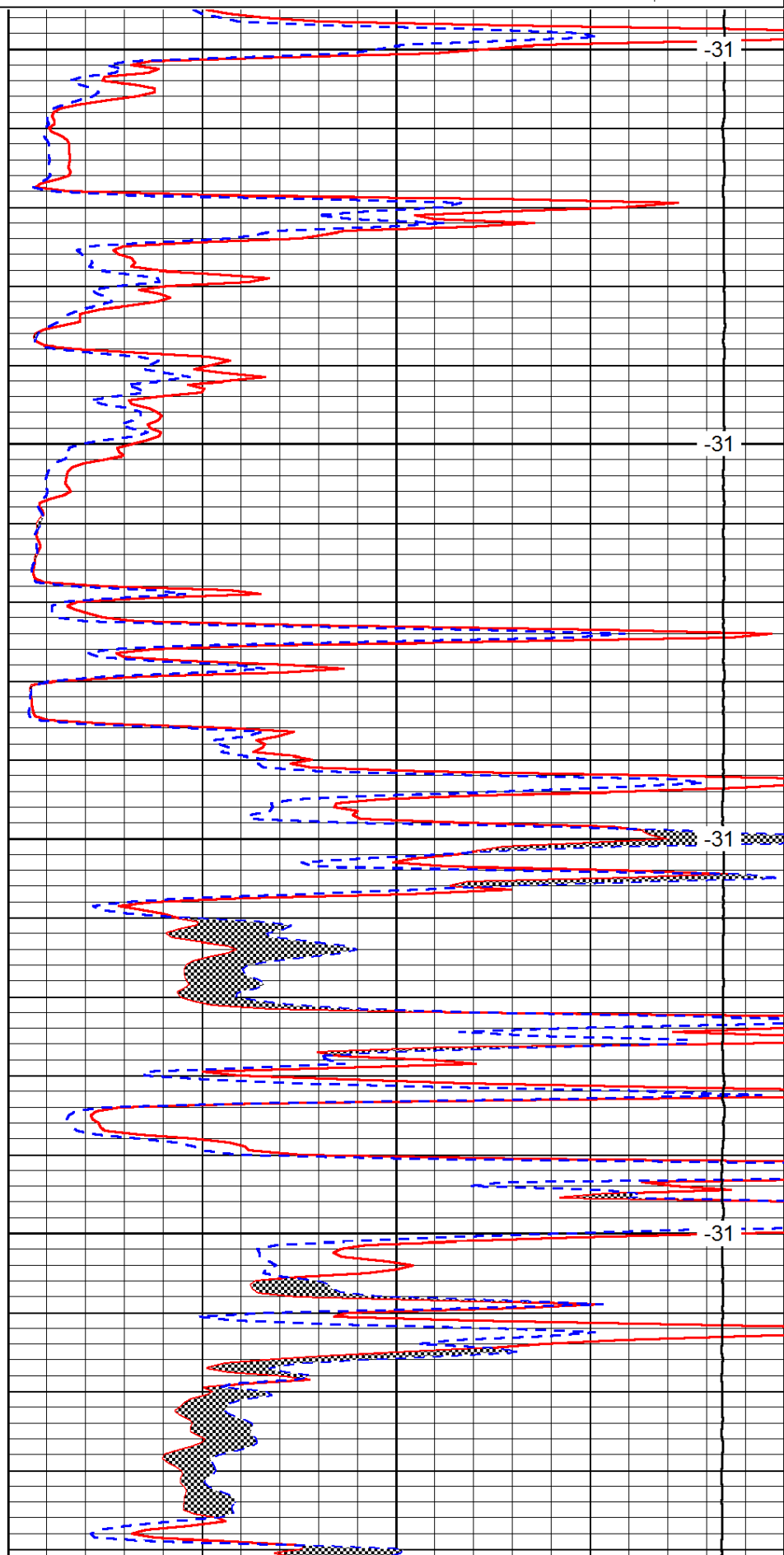


3100

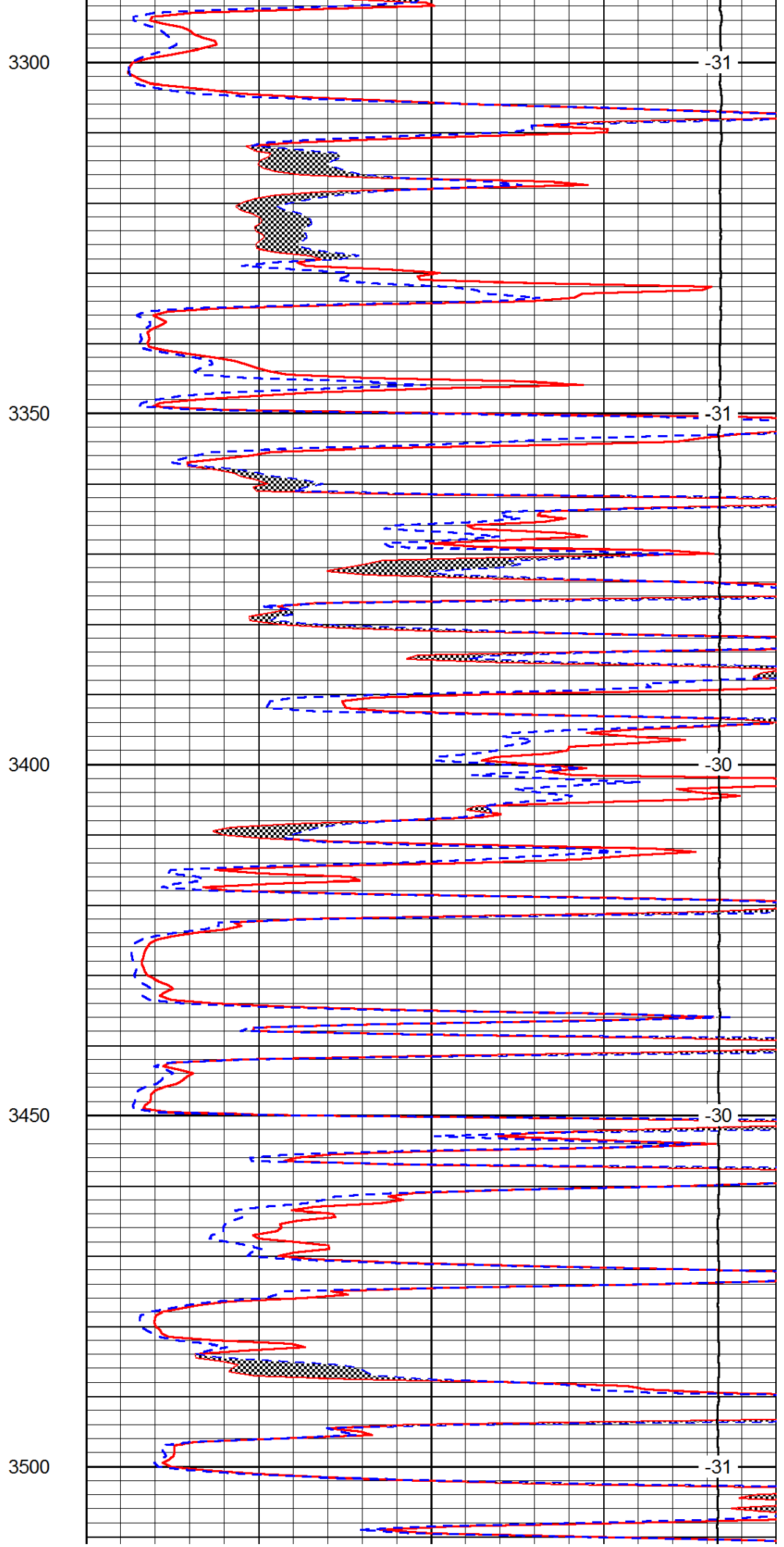
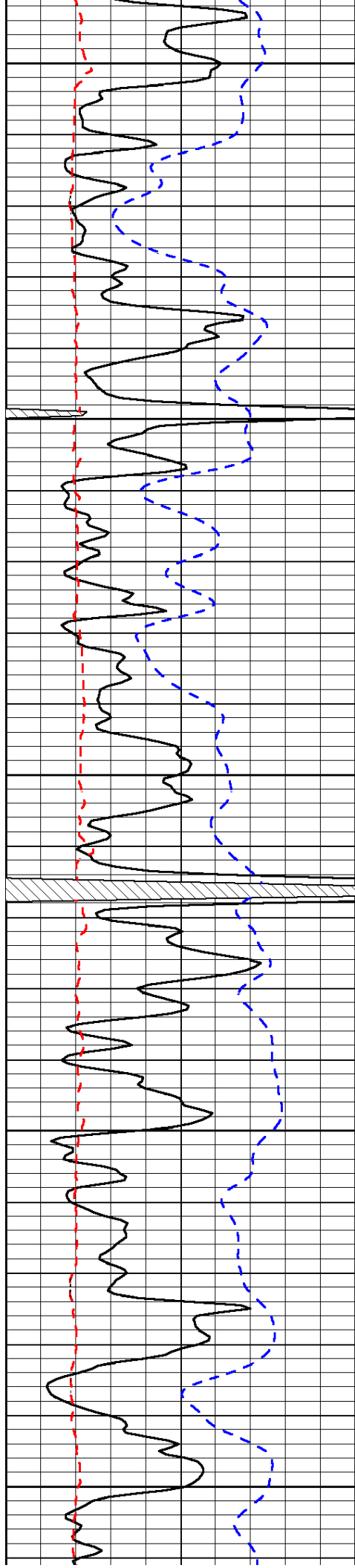
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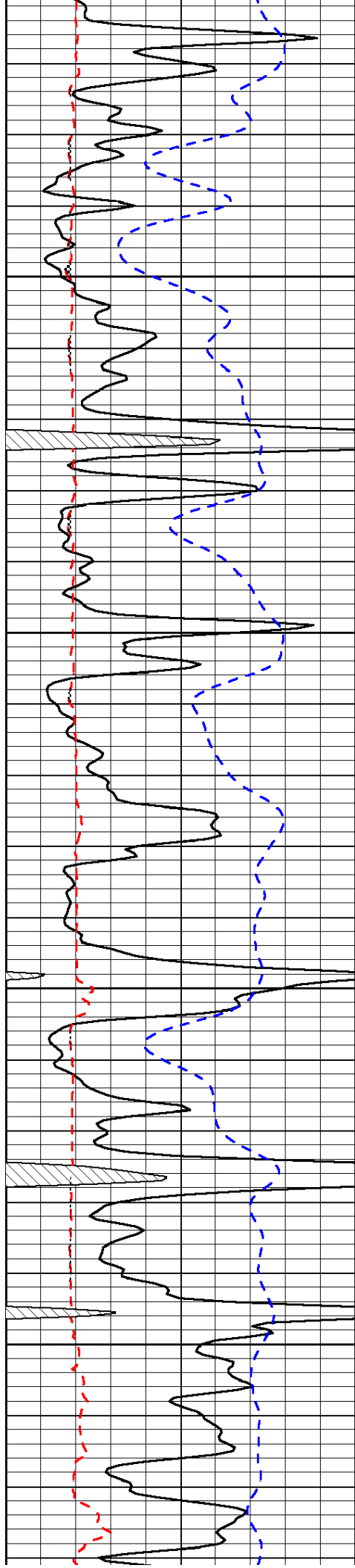
3200

3250



LSPD



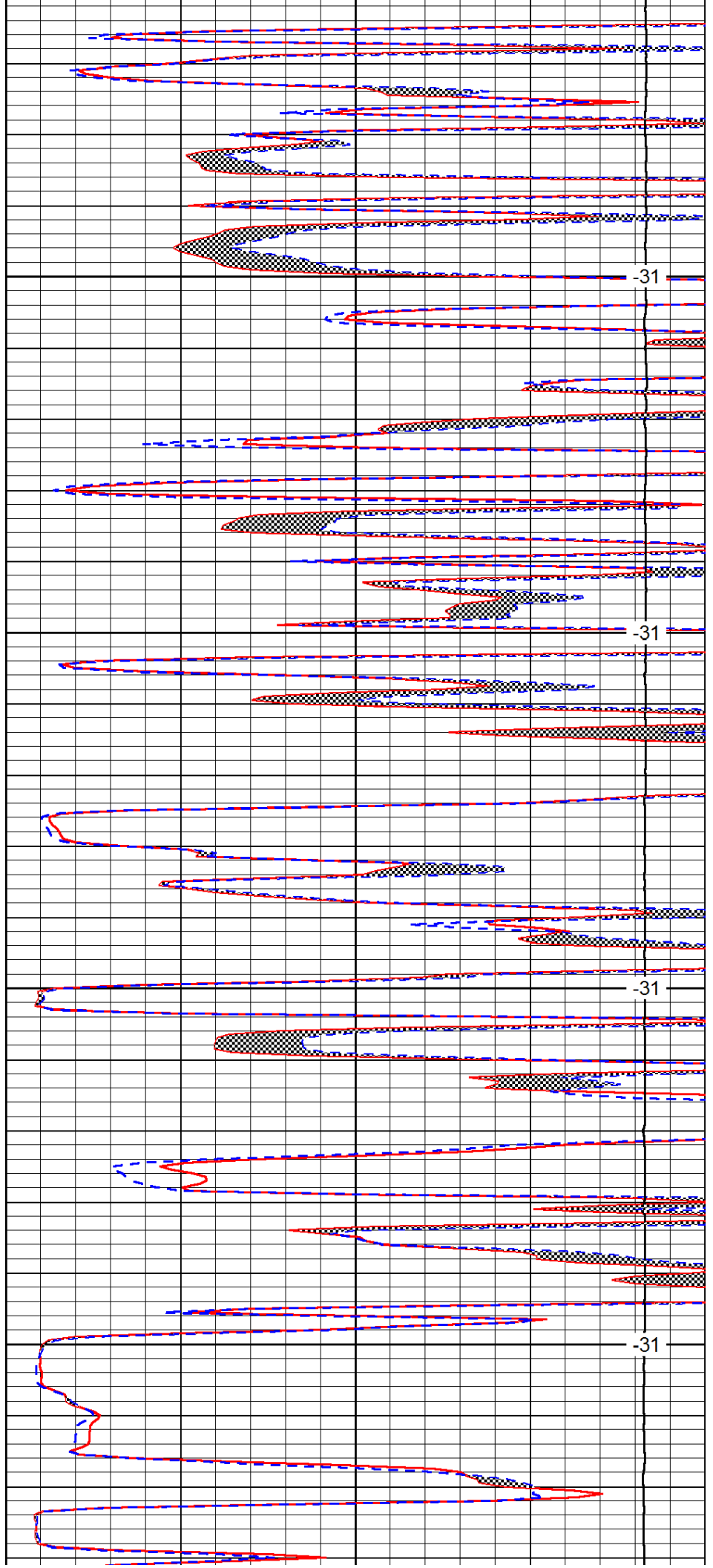


3550

3600

3650

3700

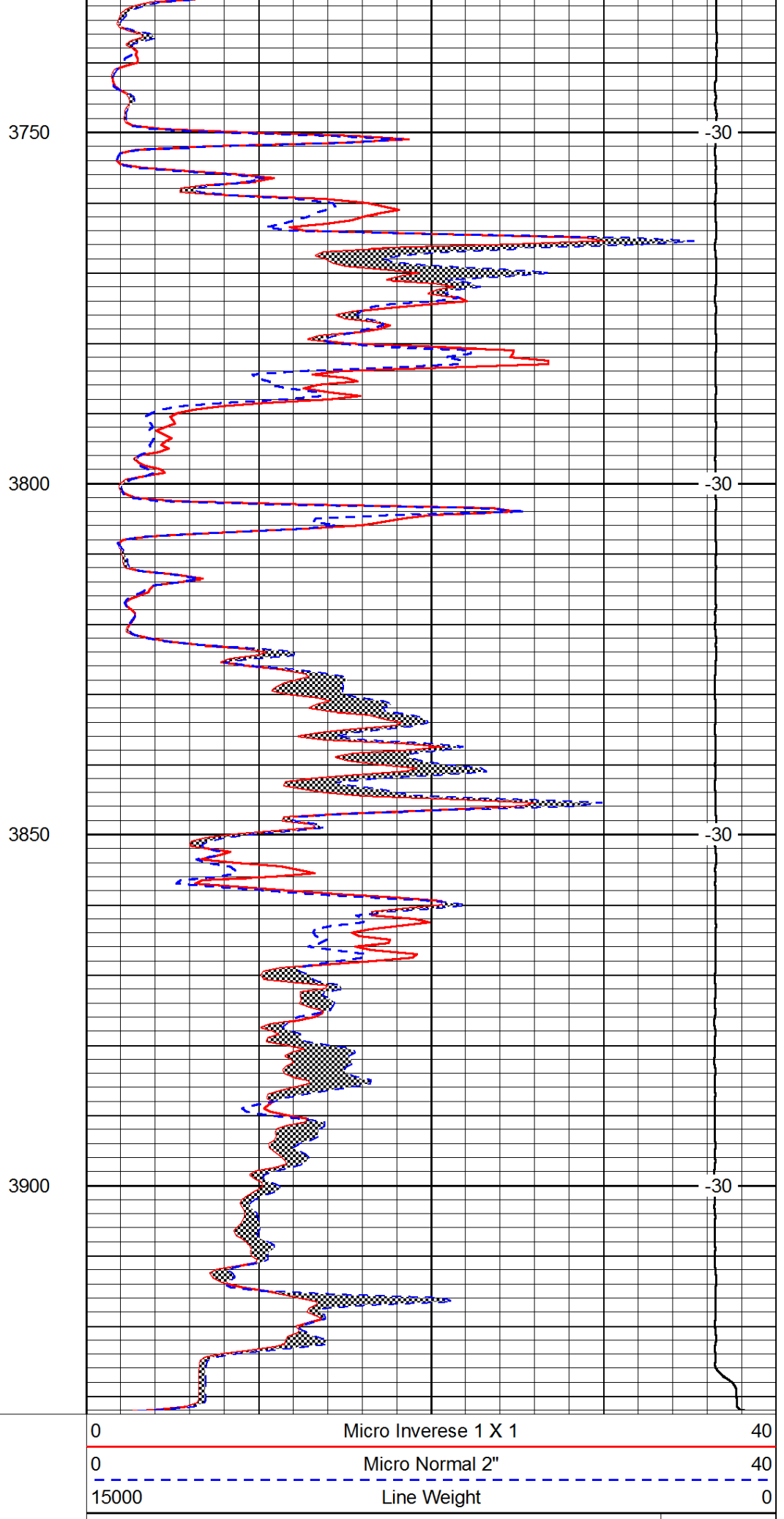
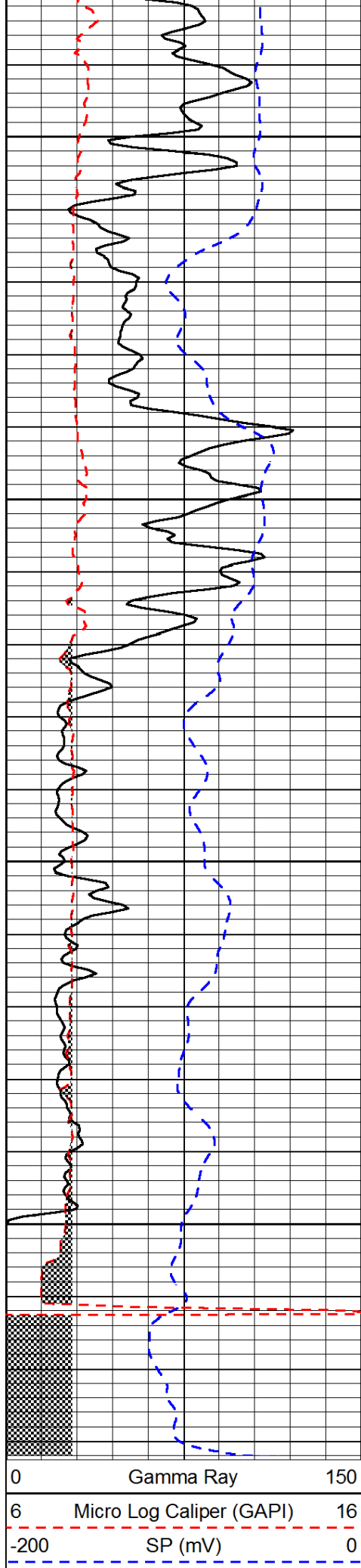


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