



Pioneer Energy Services

Microresistivity Log

API No.	Company TDI, Inc.		
	Well Gross #1		
	Field Martina East		
	County	Elilis	State Kansas
15-051-26,532-00-00	Location	1,165' FNL & 460' FWL	
	Sec: 24	Twp: 15S	Rge: 19W
	Permanent Datum	Ground Level	Elevation 1993
	Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing			
Date	6/13/2013		
Run Number	Two		
Depth Driller	3749		
Depth Logger	3749		
Bottom Logged Interval	3748		
Top Log Interval	2850		
Casing Driller	8.625 @ 1197		
Casing Logger	1193		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3700		
Density / Viscosity	9.2	53	
pH / Fluid Loss	11.0	7.4	
Source of Sample	Flowline		
Rm @ Meas. Temp	.50 @ 82		
Rmf @ Meas. Temp	.38 @ 82		
Rmc @ Meas. Temp	.68 @ 82		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.36 @ 113		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	113		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Tom Denning		
	Herb Deines		

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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.

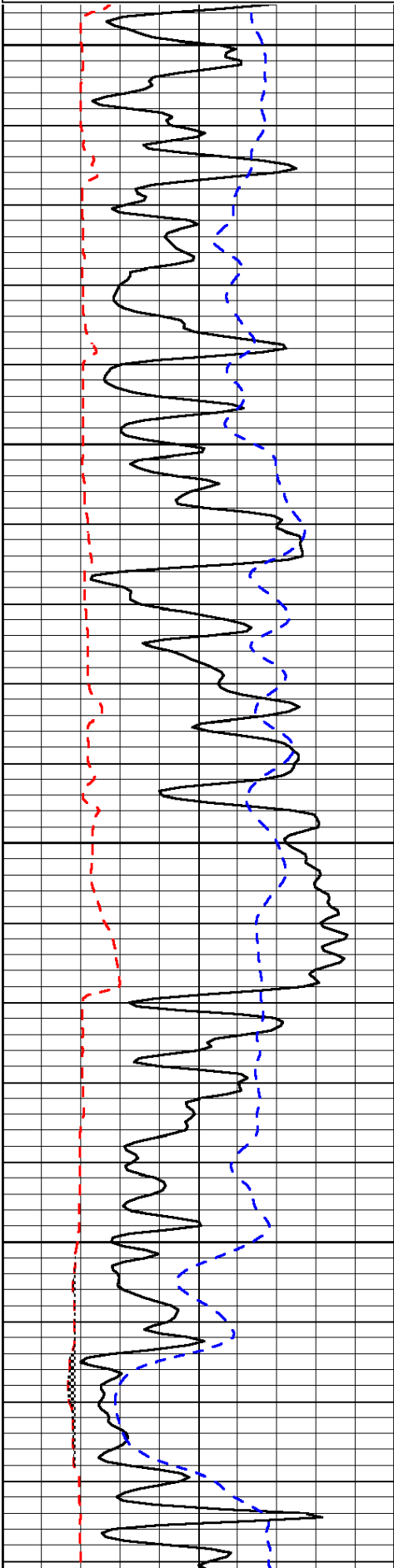
Comments

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

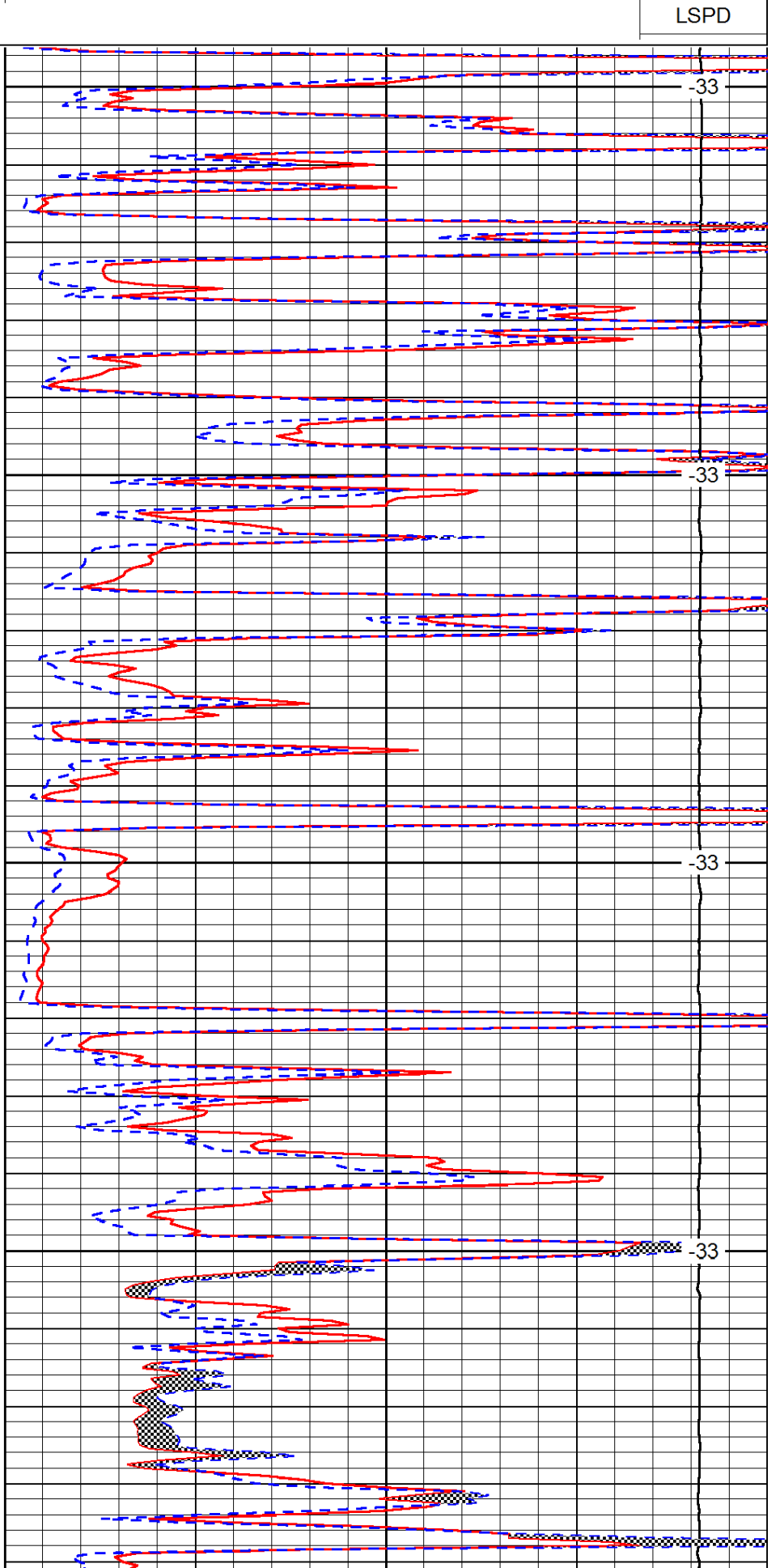
Antonino, 3 1/8 South, East Into

Database File: c:\warrior\data\tdi_gross # 1\tdi_gross_1hd.db
Dataset Pathname: dil\tdistck
Presentation Format: micro
Dataset Creation: Thu Jun 13 04:28:48 2013
Charted by: Depth in Feet scaled 1:240

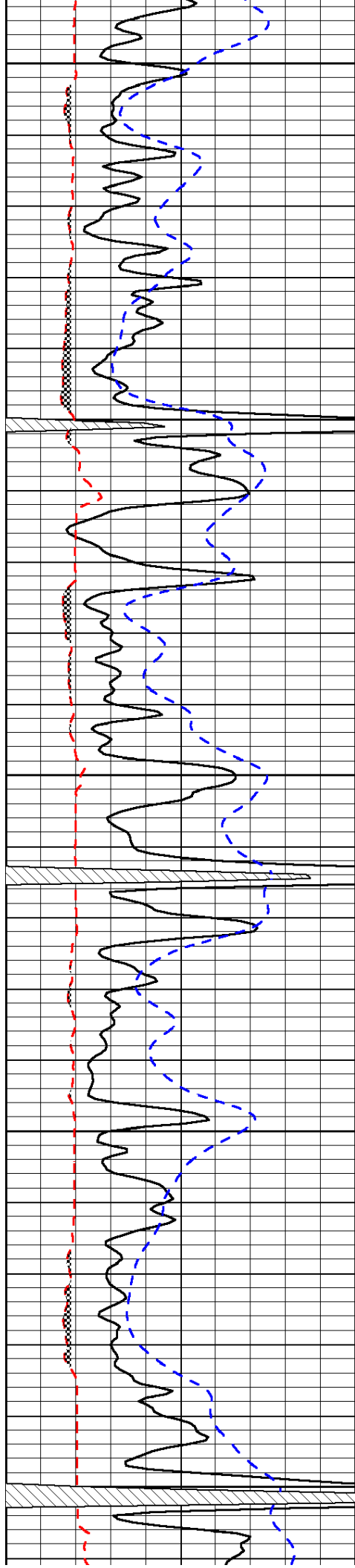
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



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



LSPD



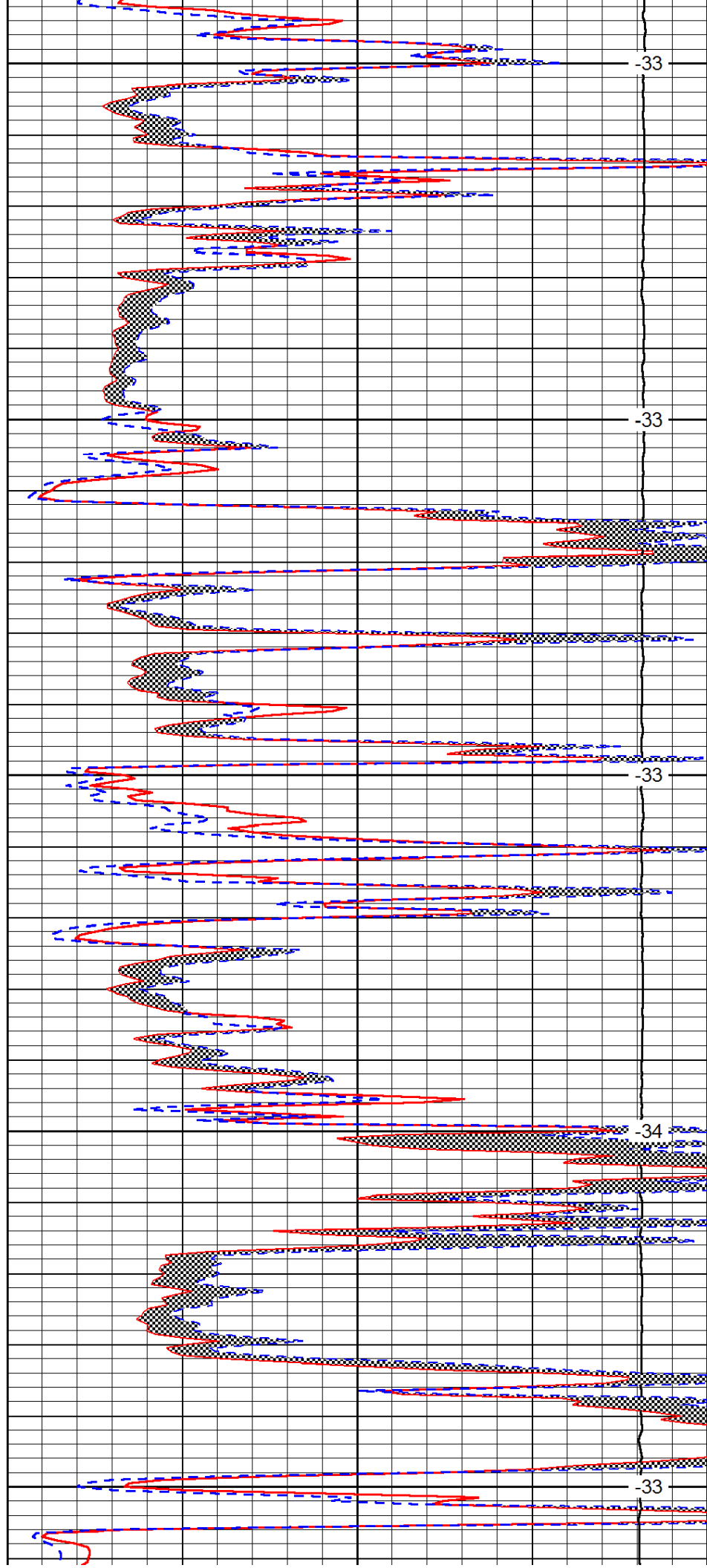
3050

3100

3150

3200

3250



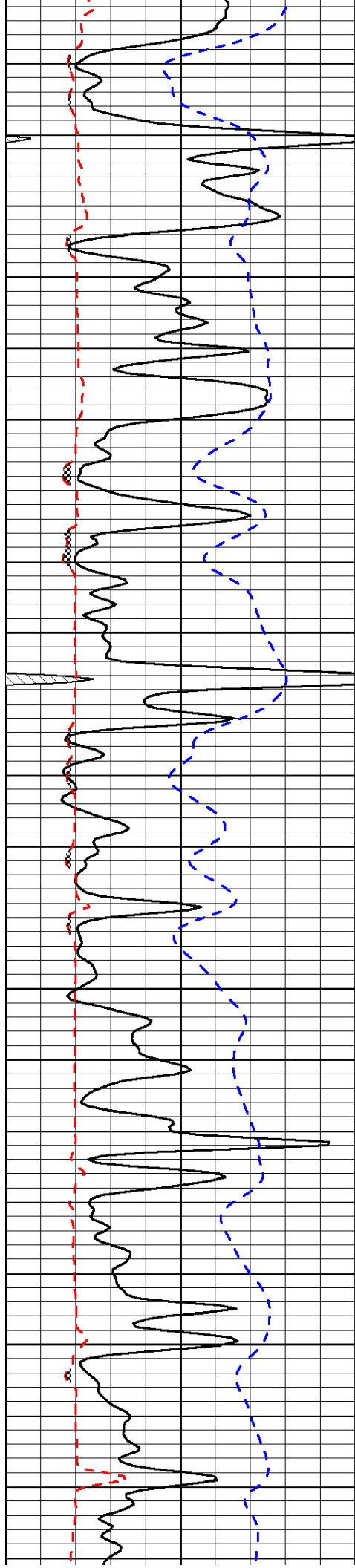
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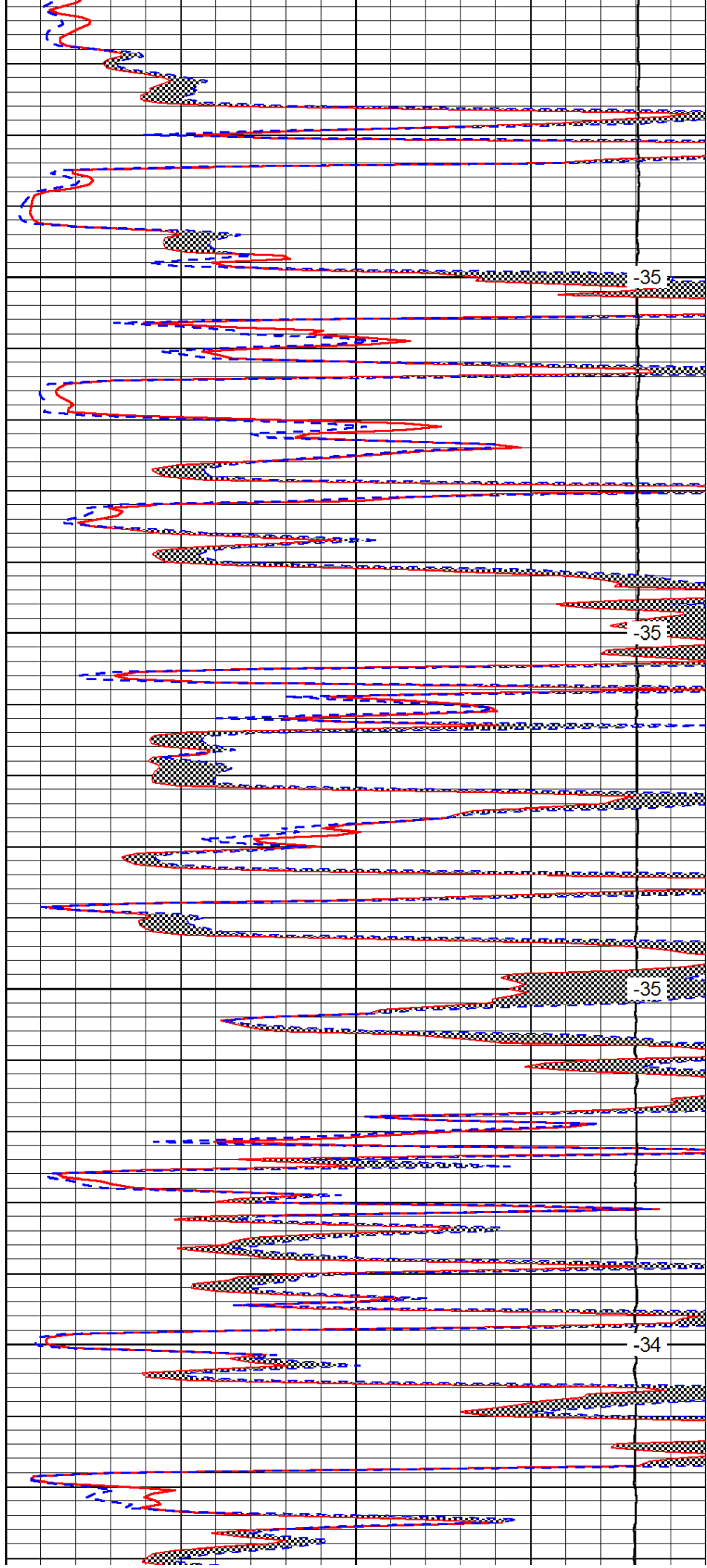


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3350

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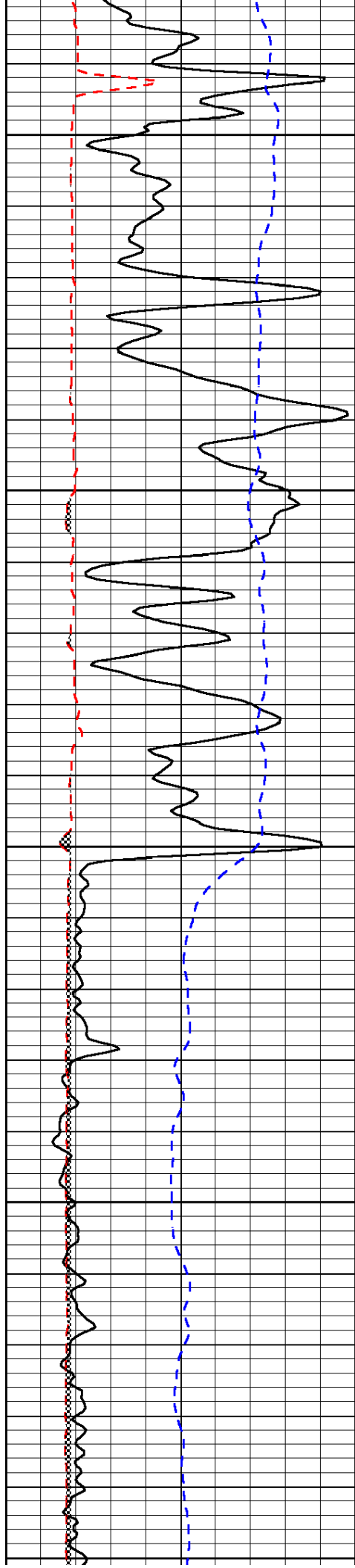


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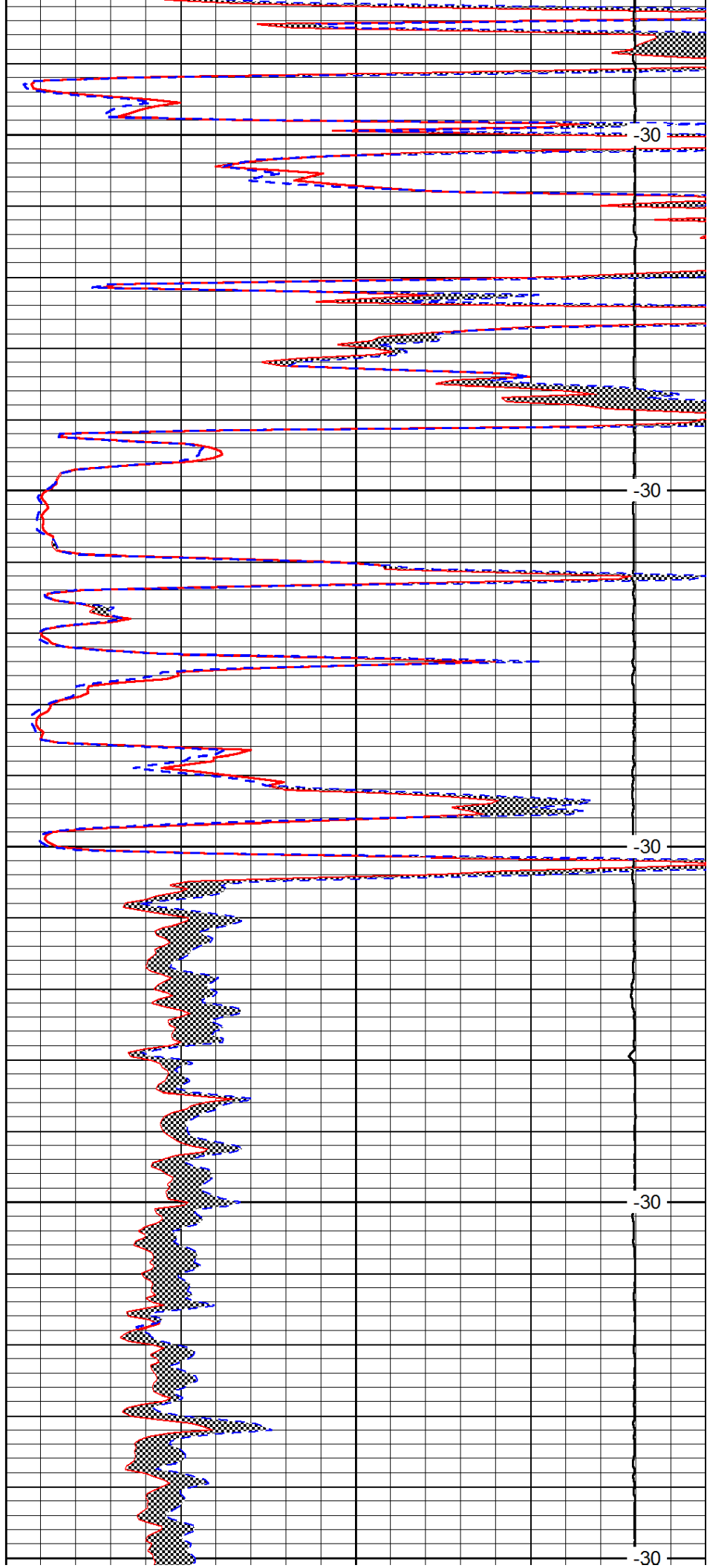
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3600

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3700



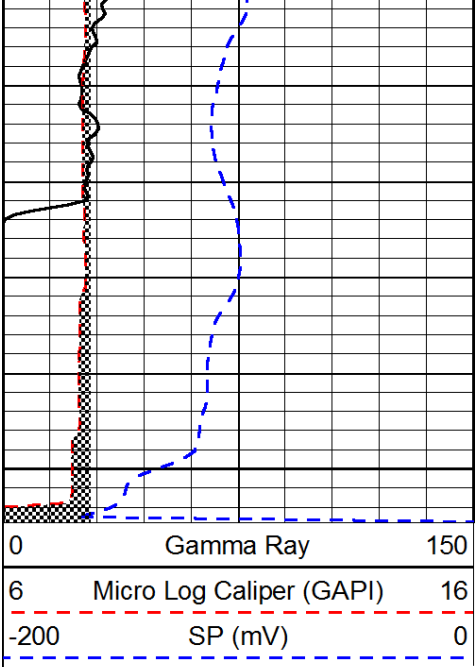
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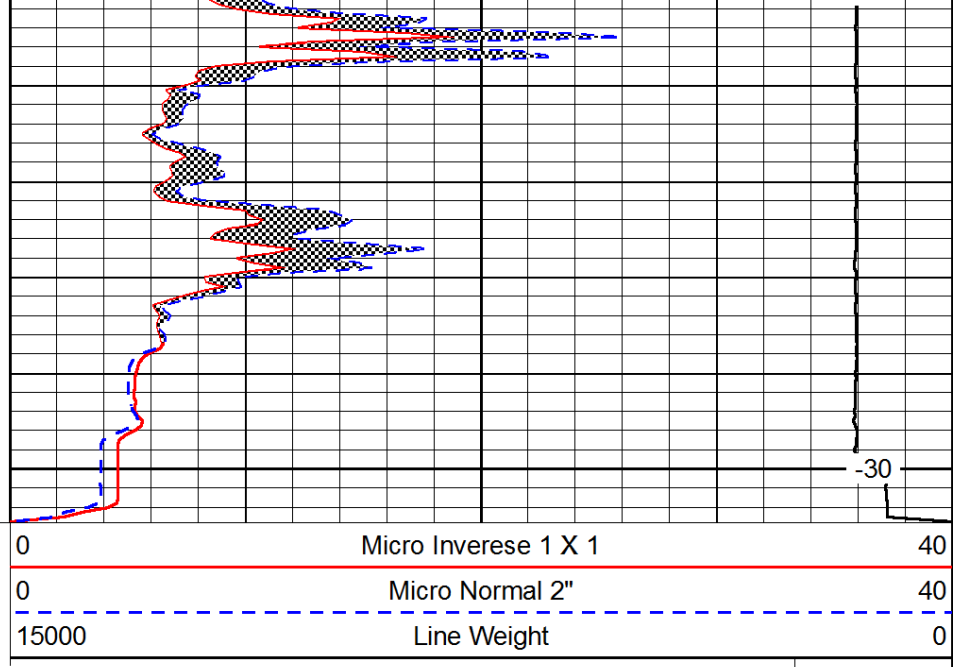
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3750



LSPD