PIONEER

Pioneer Energy Services

Microresistivity Log

Company	Toto Energy, LLC
Well	Packard #24-1
Field	Nurse
County	Barber
State	Kansas
API No.	15-007-24,029-00-00
Location	1536' FNL & 625' FWL
Sec: 24	Twp: 31S Rge: 13W
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Other Services	CNL/CDL DIL/BHCS
Elevation	K.B. 1636 D.F. G.L. 1625

Date	6/26/2013		
Run Number	Two		
Depth Driller	4750		
Depth Logger	4753		
Bottom Logged Interval	4752		
Top Log Interval	3000		
Casing Driller	8.625 @ 442		
Casing Logger	442		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	7,000		
Density / Viscosity	9.2	53	
pH / Fluid Loss	9.0	10.4	
Source of Sample	Flowline		
Rm @ Meas. Temp	.3 @ 76		
Rmf @ Meas. Temp	.23 @ 76		
Rmc @ Meas. Temp	.41 @ 76		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.18 @ 124		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	124		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Terry Madden	Sean Deenihan	

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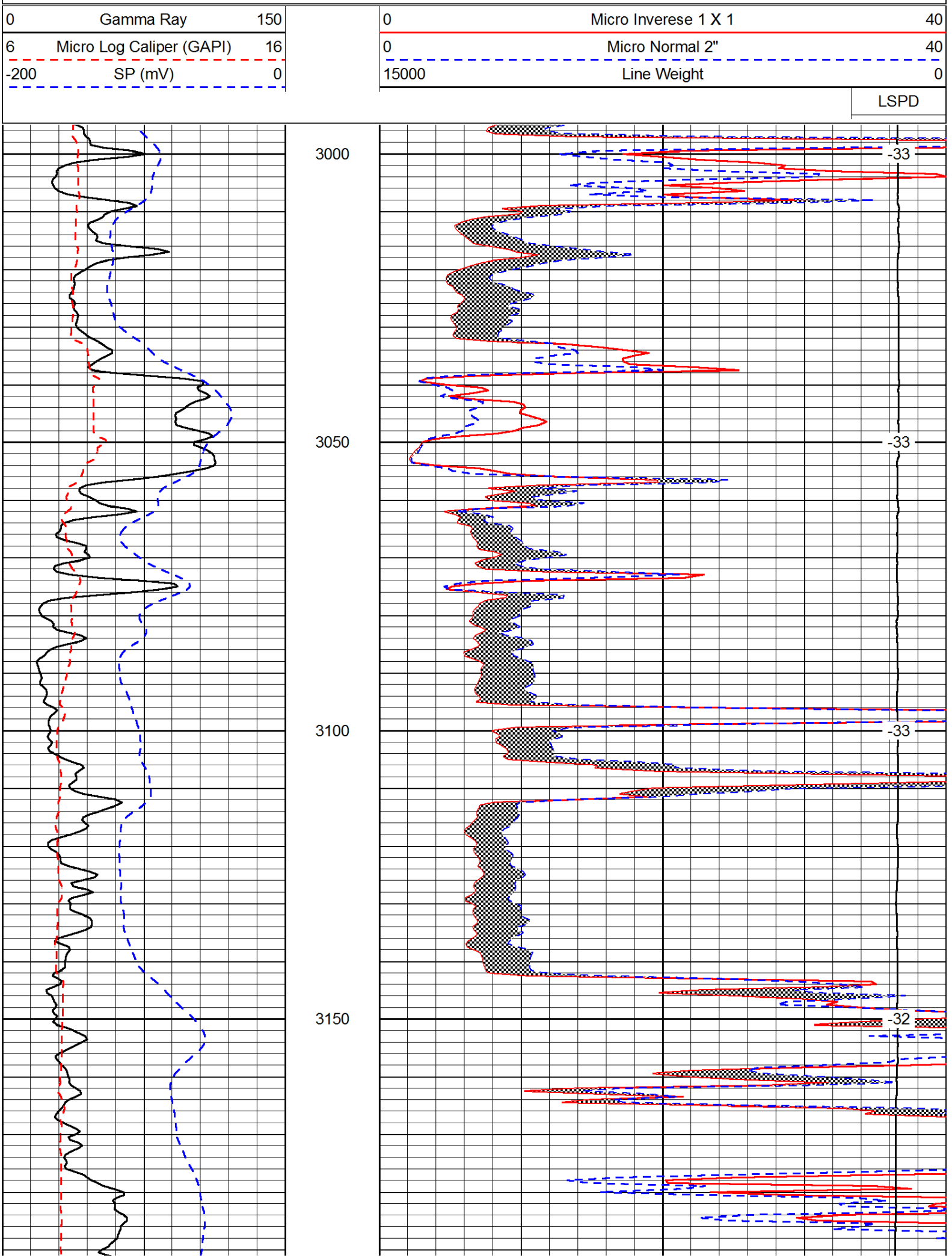
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

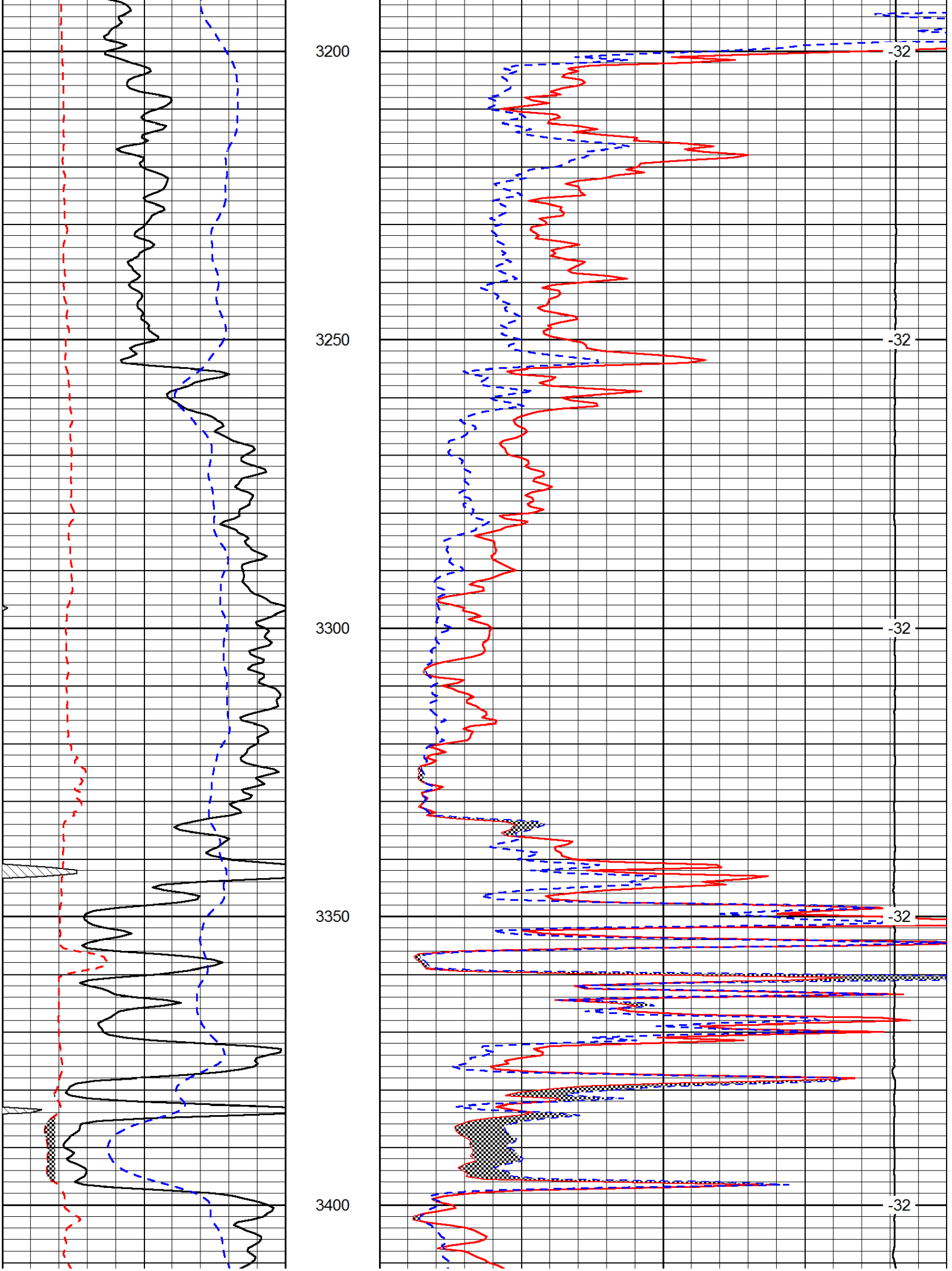
Comments

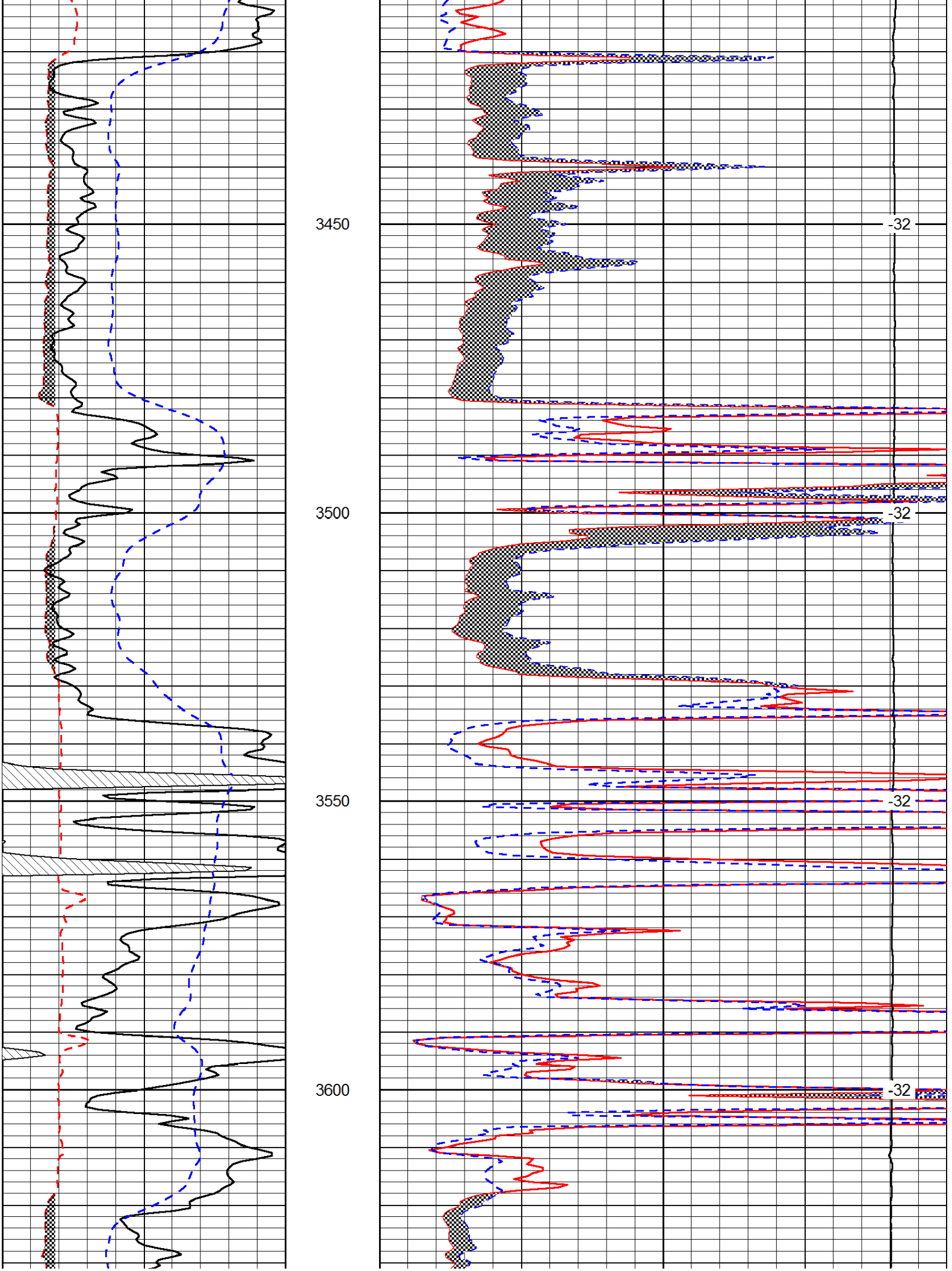
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

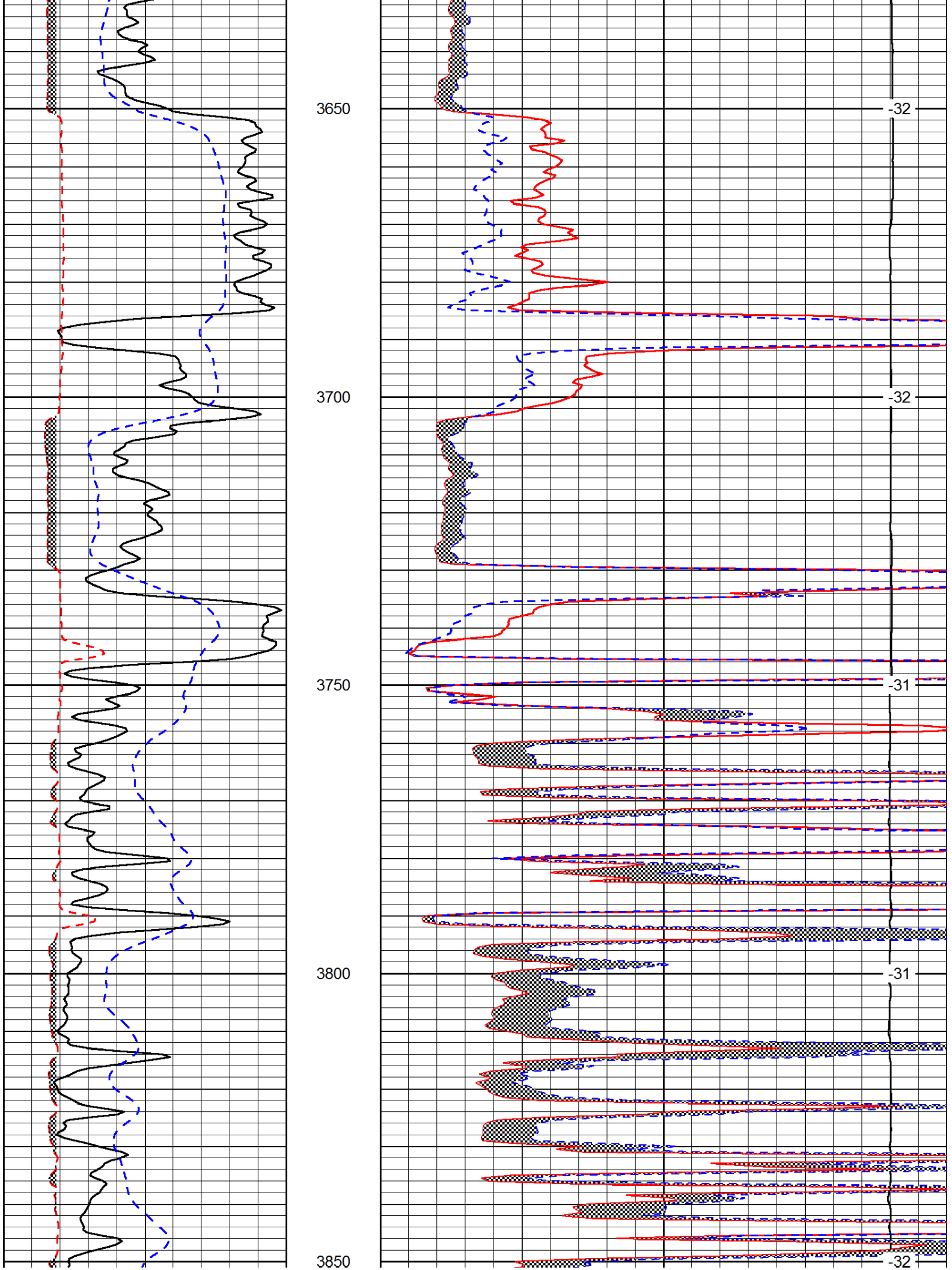
Medicine Lodge KS, 7 1/2 W on River Rd, N Into

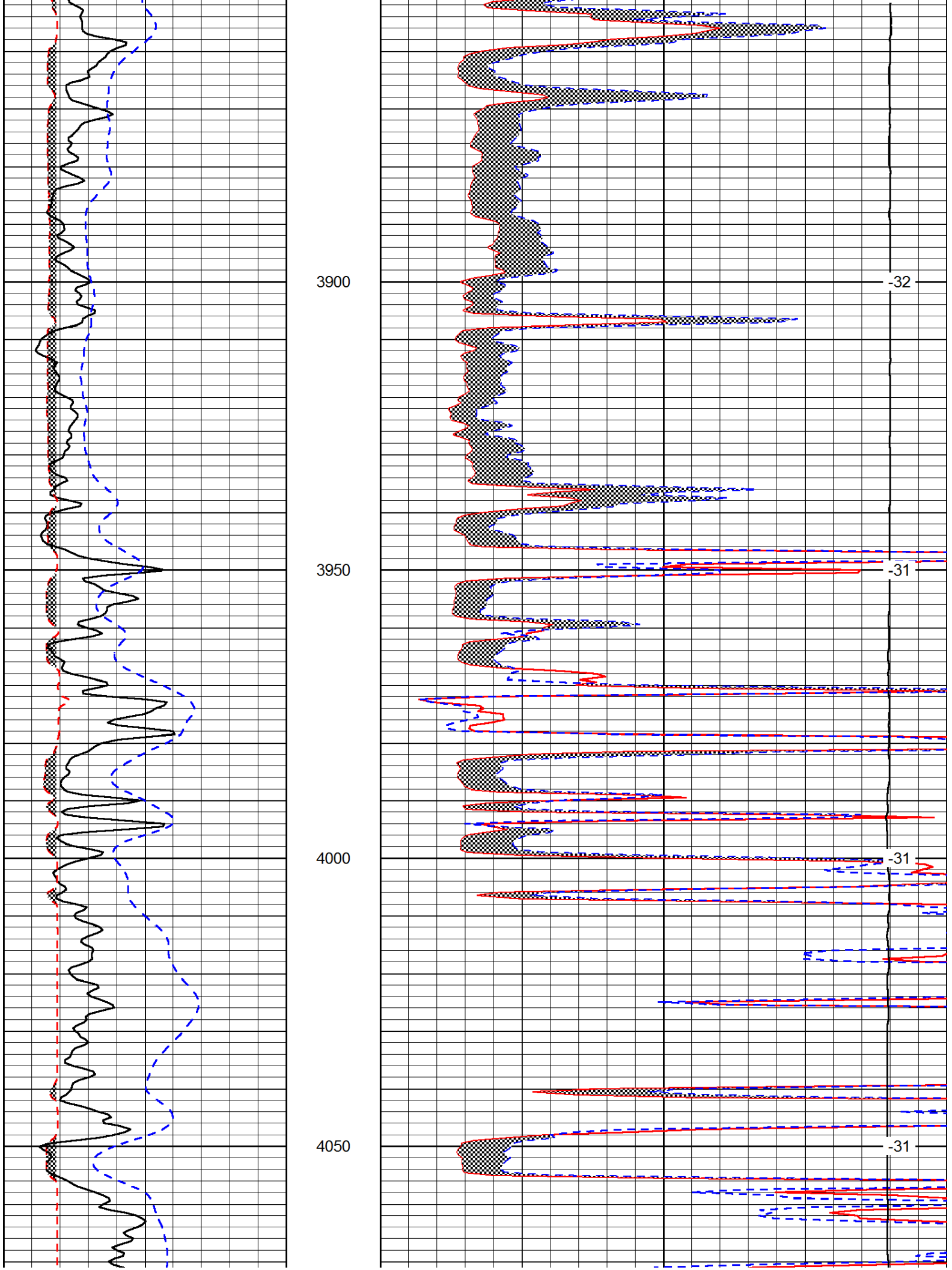
Database File:	c:\warrior\data\toto energy_packard #24-1\totohd.db
Dataset Pathname:	dil/totostk
Presentation Format:	micro
Dataset Creation:	Wed Jun 26 09:56:40 2013
Charted by:	Depth in Feet scaled 1:240

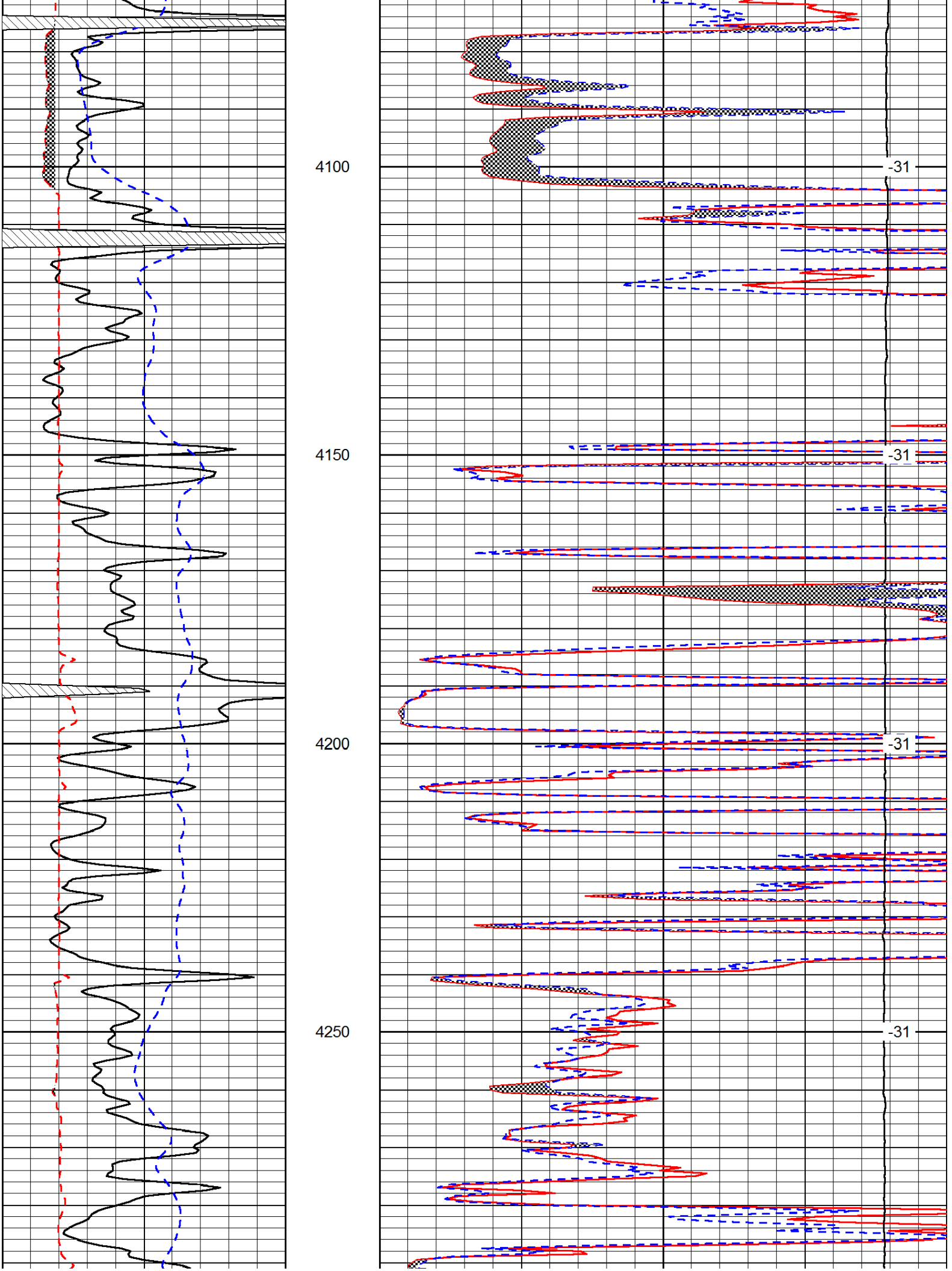

0 Gamma Ray 150
6 Micro Log Caliper (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD
3000
3050
3100
3150
-33
-33
-33
-32

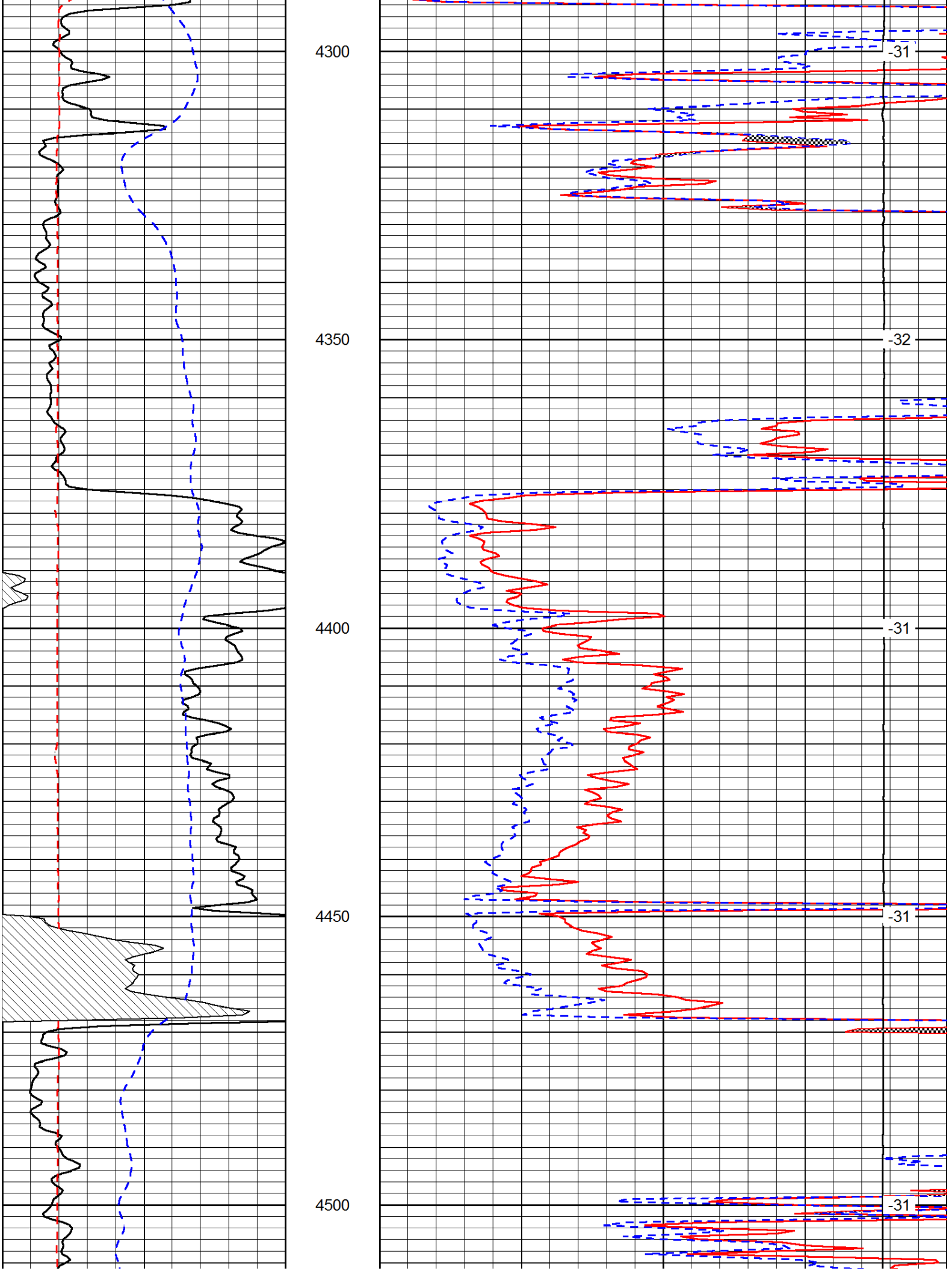

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3300
3350
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-32
-32
-32
-32

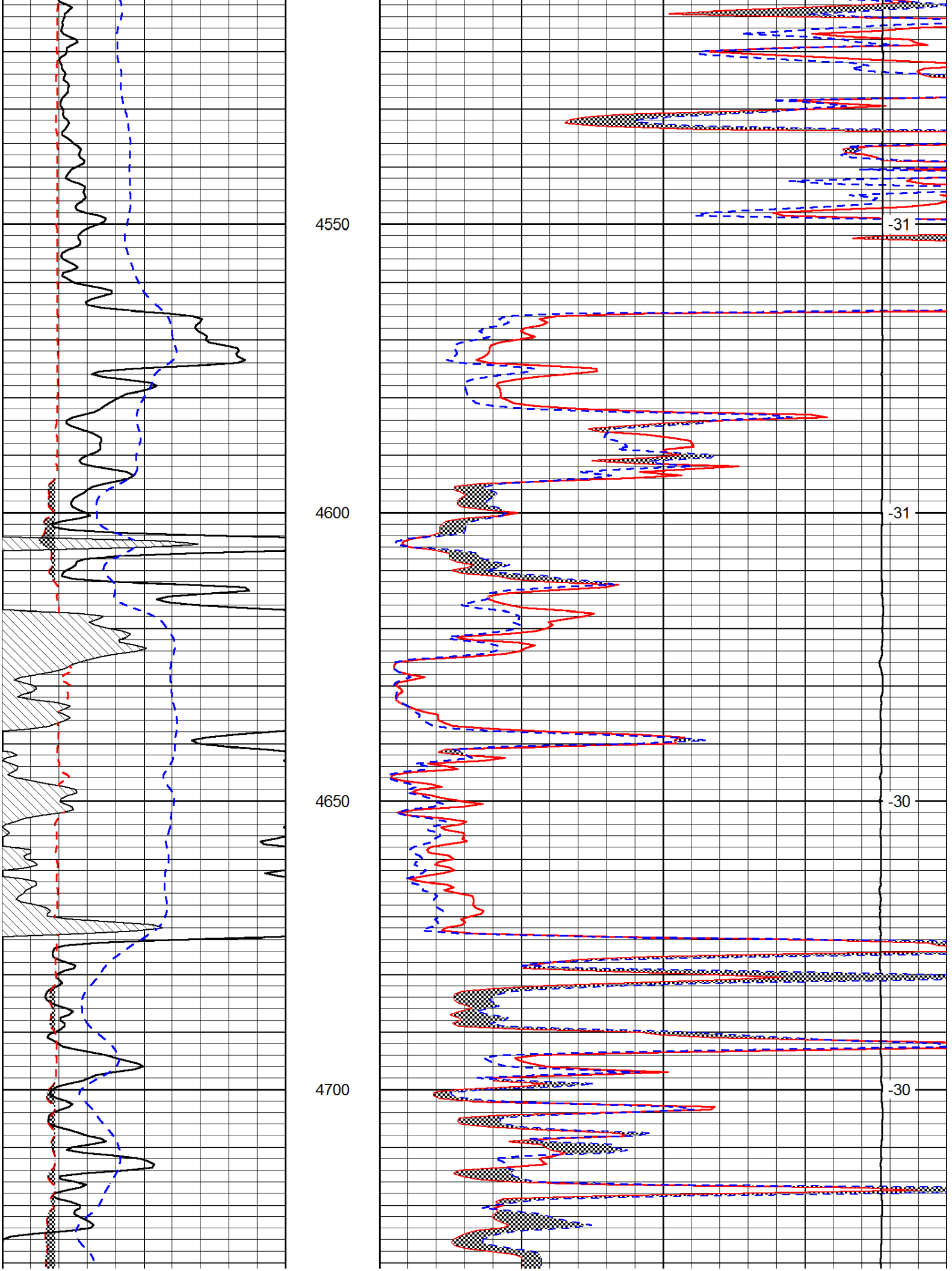

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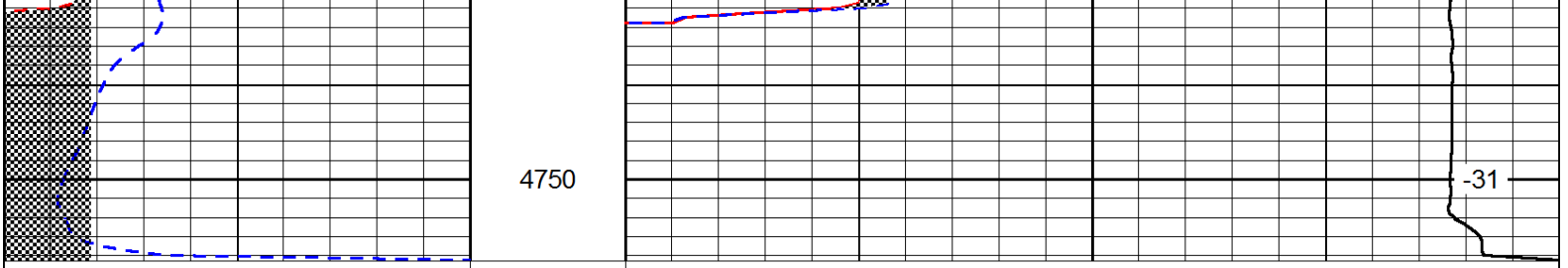

3650
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4100
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-31


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4400
4450
4500
-31
-32
-31
-31
-31


4550
4600
4650
4700
-31
-31
-30
-30



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

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

LSPD