PIONEER

Pioneer Energy Services

Microresistivity Log

API No.	
15-193-20904-00-00	

Company	Norstar Petroleum, Inc.		
Well	BA Kern Trust # 1-30		
Field	Unnamed		
County	Thomas	State	Kansas

Location: 2232' FSL & 840' FEL

Sec: 30 Twp: 10 S Rge: 34 W

Other Services: CNL/CDL, DIL

Permanent Datum	Ground Level	Elevation 3243
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Elevation: K.B. 3253; D.F.; G.L. 3243

Date	1/8/2014		
Run Number	Two		
Depth Driller	4850		
Depth Logger	4854		
Bottom Logged Interval	4853		
Top Log Interval	3700		
Casing Driller	8.625 @ 276		
Casing Logger	275		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	5400		
Density / Viscosity	9.4 / 57		
pH / Fluid Loss	10.0 / 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.34 @ 36		
Rmf @ Meas. Temp	0.25 @ 36		
Rmc @ Meas. Temp	0.45 @ 36		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.10 @ 127		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	127		
Equipment Number	91		
Location	Hays		
Recorded By	Y. Ruiz		
Witnessed By	Bob Elder		

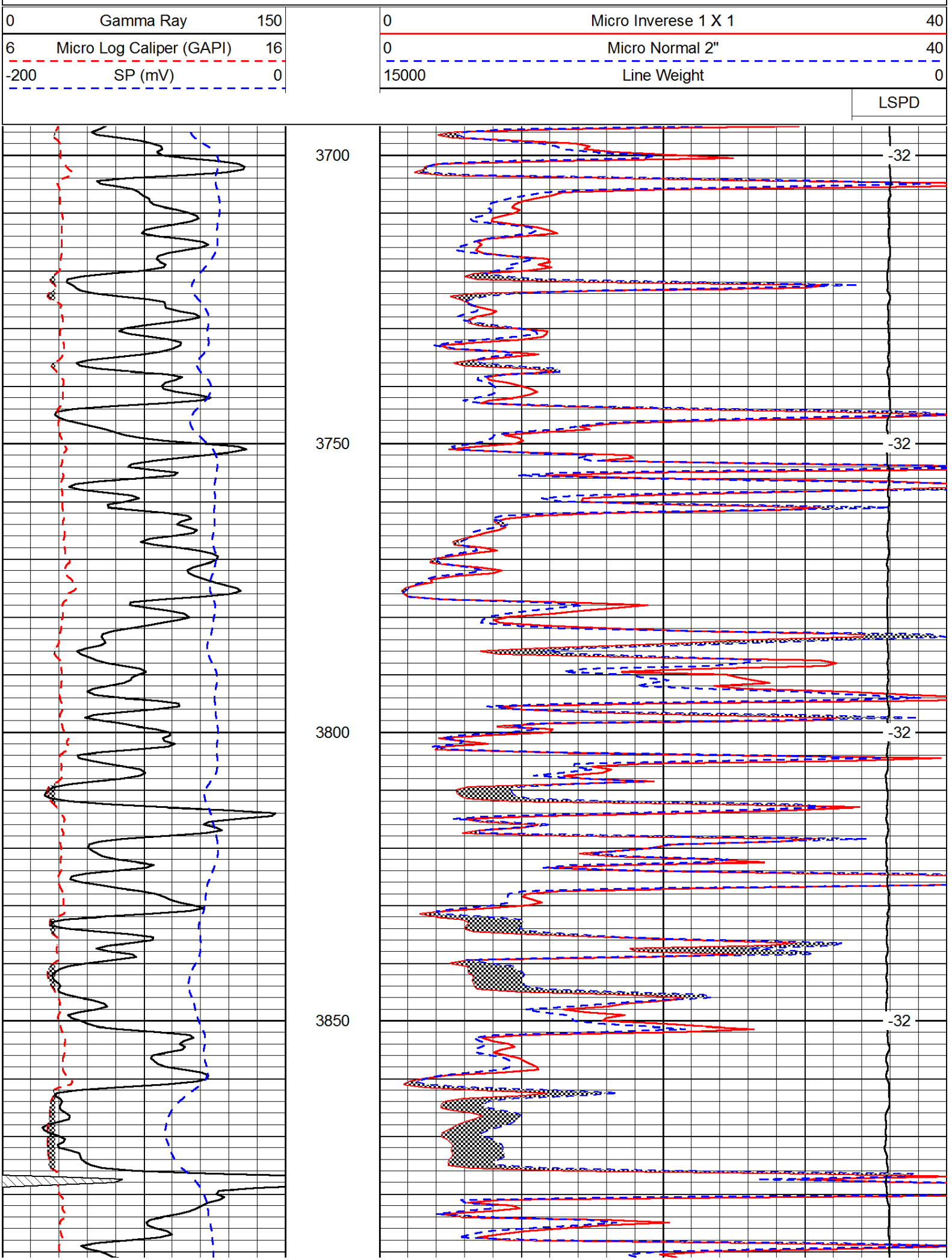
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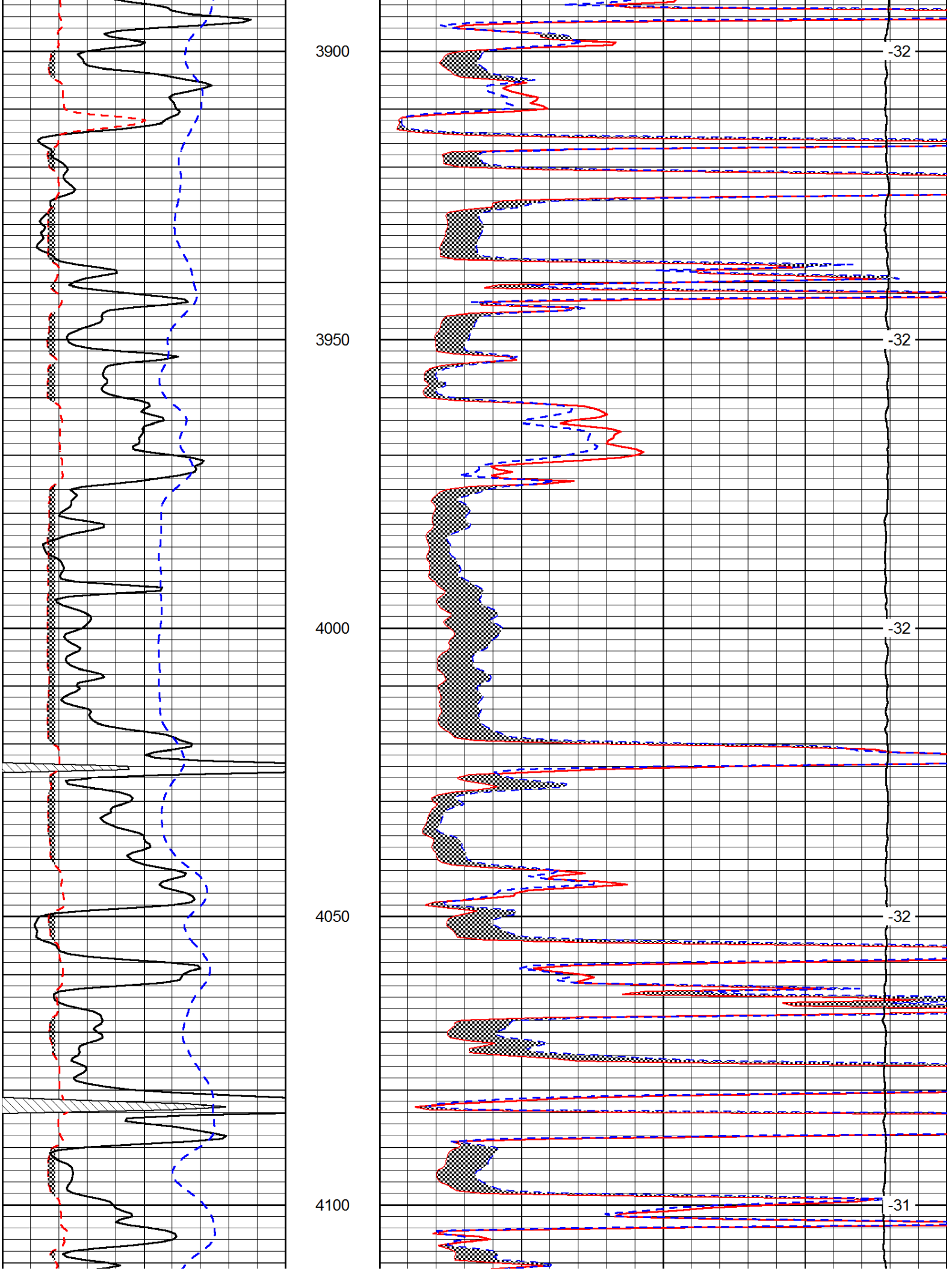
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

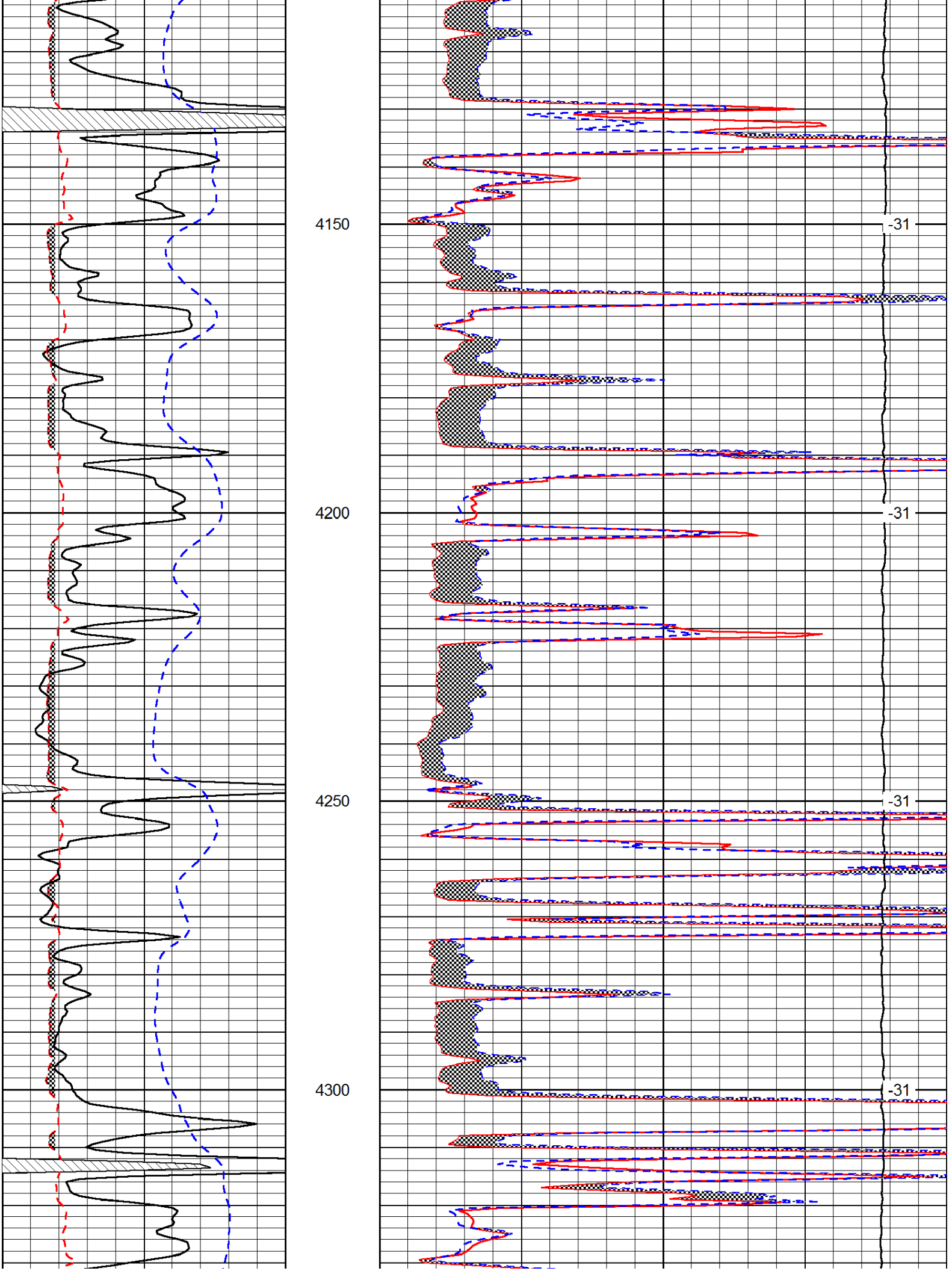
Comments

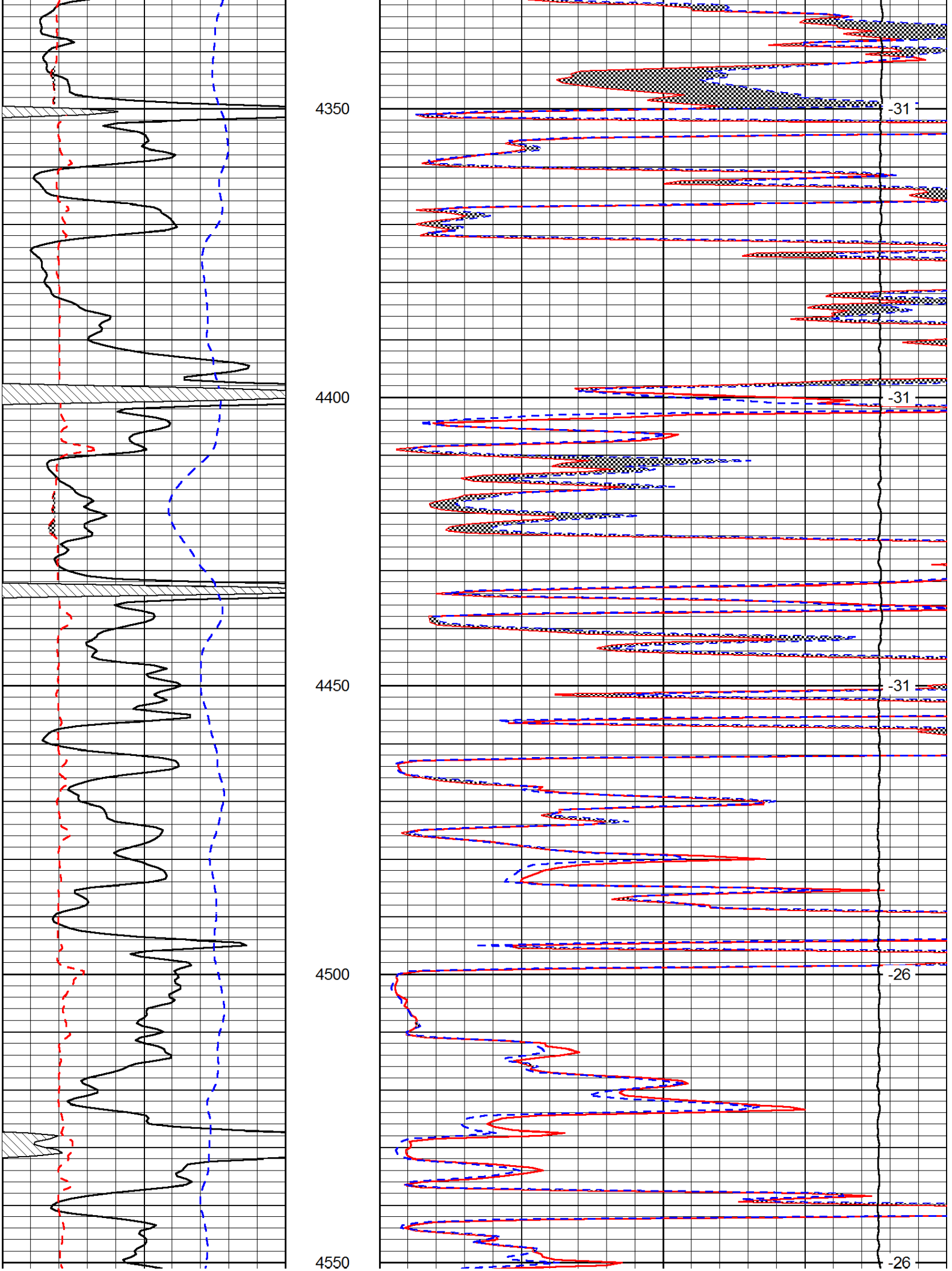
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858
Monument,
2 West to Hwy 25, 2 North To County Line "A Rd",
5 West To 14 Rd, 1 1/2 North,
West into

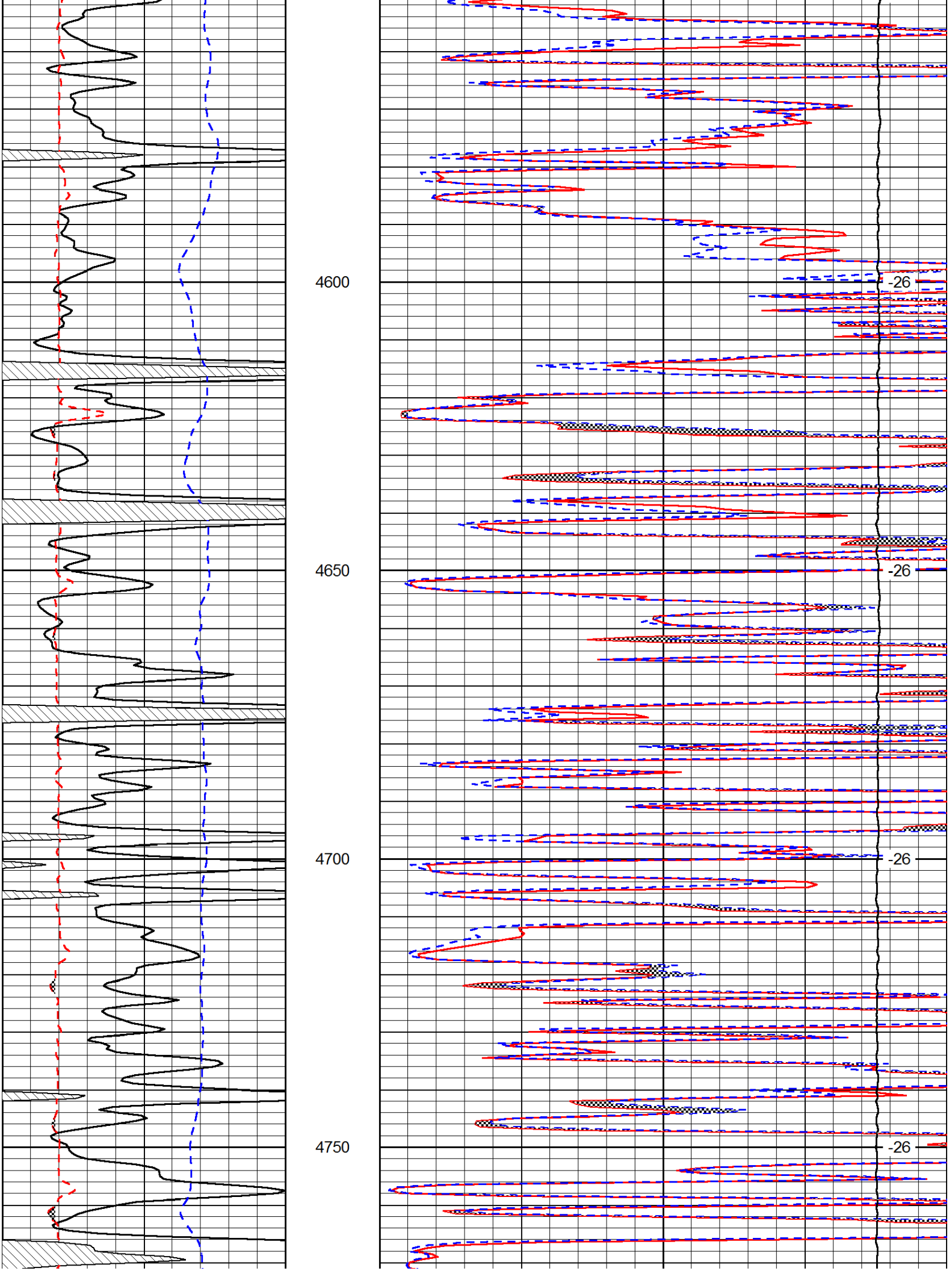
Database File:	c:\warrior\data\norstar_ba kern trust #1-30\norstar_010814hd.db
Dataset Pathname:	DIL/norstk
Presentation Format:	micro
Dataset Creation:	Thu Jan 09 00:35:15 2014
Charted by:	Depth in Feet scaled 1:240

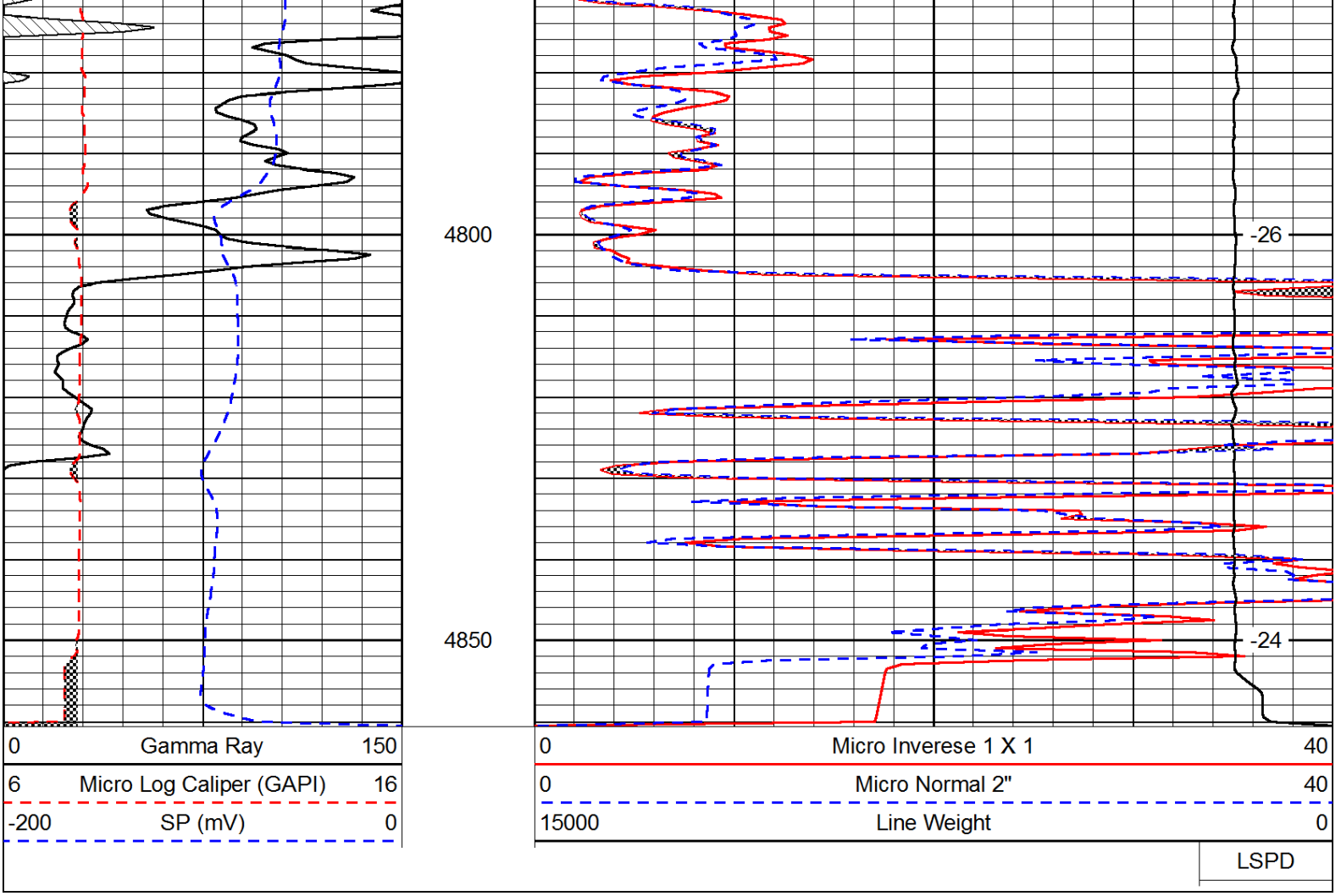

0 Gamma Ray 150
6 Micro Log Caliper (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD
3700
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3800
3850
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-32
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-32


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3950
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4100
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