PIONEER

Pioneer Energy Services

Microresistivity Log

API No.	
15-055-22,295-00-00	

Company	American Warrior, Inc.		
Well	Clark #4-2		
Field			
County	Finney	State	Kansas

Location: 2,046' FSL & 2,309' FEL

Sec: 2 Twp: 25S Rge: 31W

Other Services: CNL/CDL, DIL

Permanent Datum	Ground Level	Elevation 2839	
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		

Elevation	
K.B.	2850
D.F.	
G.L.	2839

Date	5/2/2014		
Run Number	Two		
Depth Driller	5025		
Depth Logger	5023		
Bottom Logged Interval	5022		
Top Log Interval	3900		
Casing Driller	8.625 @ 1688		
Casing Logger	1699		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4500		
Density / Viscosity	9.4 / 42		
pH / Fluid Loss	10.0 / 10.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.70 @ 74		
Rmf @ Meas. Temp	.53 @ 74		
Rmc @ Meas. Temp	.95 @ 74		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.41 @ 126		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	126		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Wyatt Urban		

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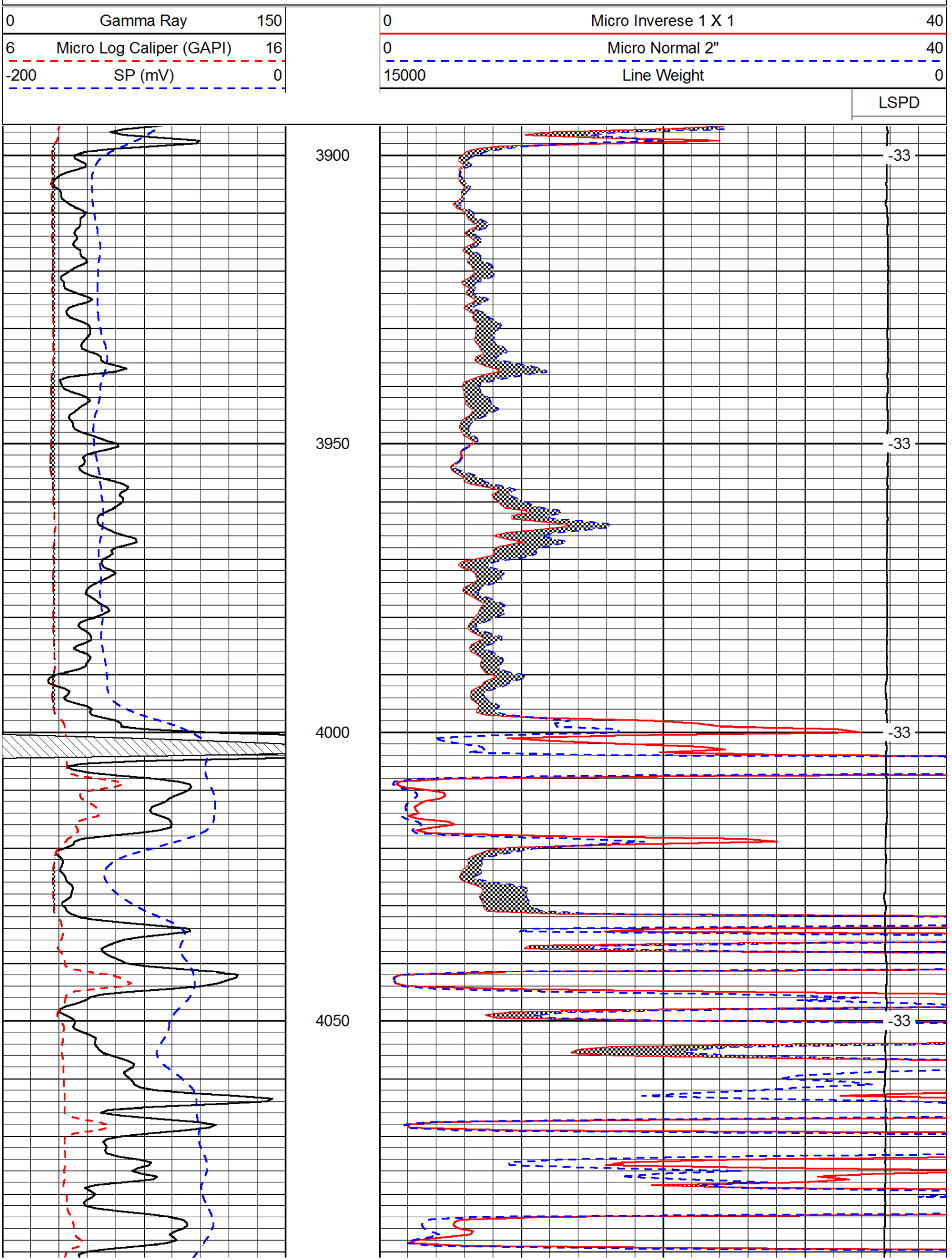
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

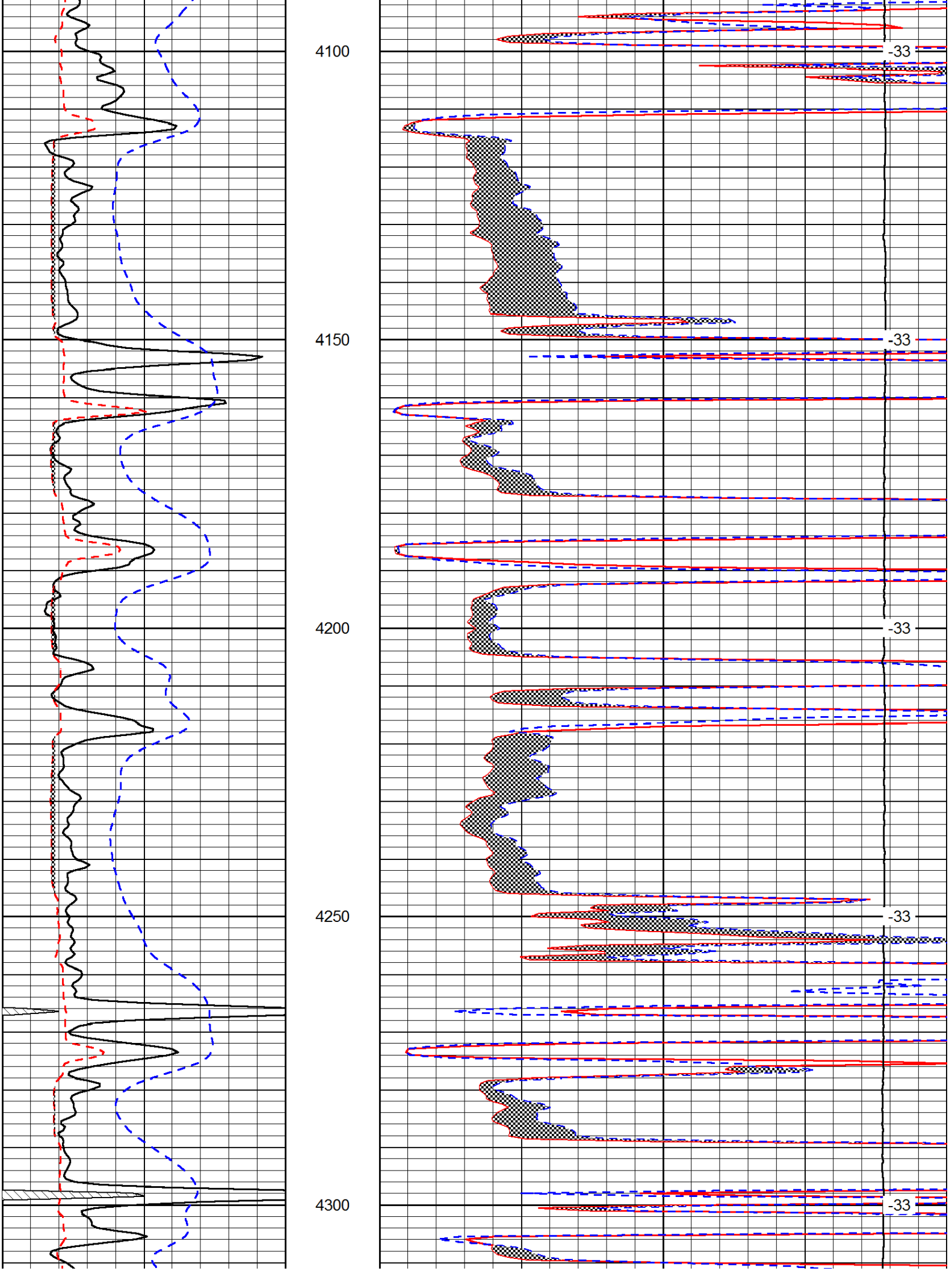
Comments

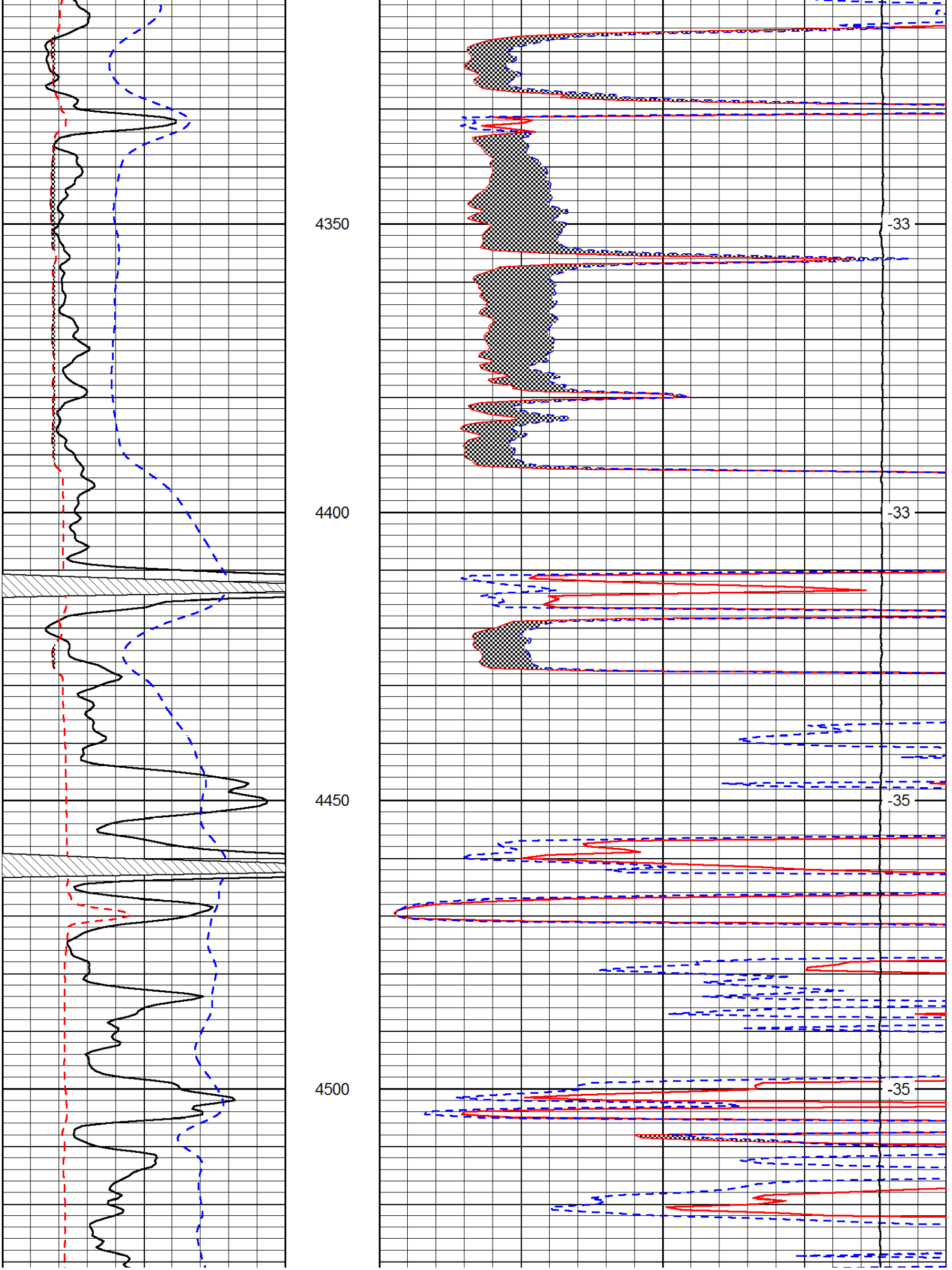
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

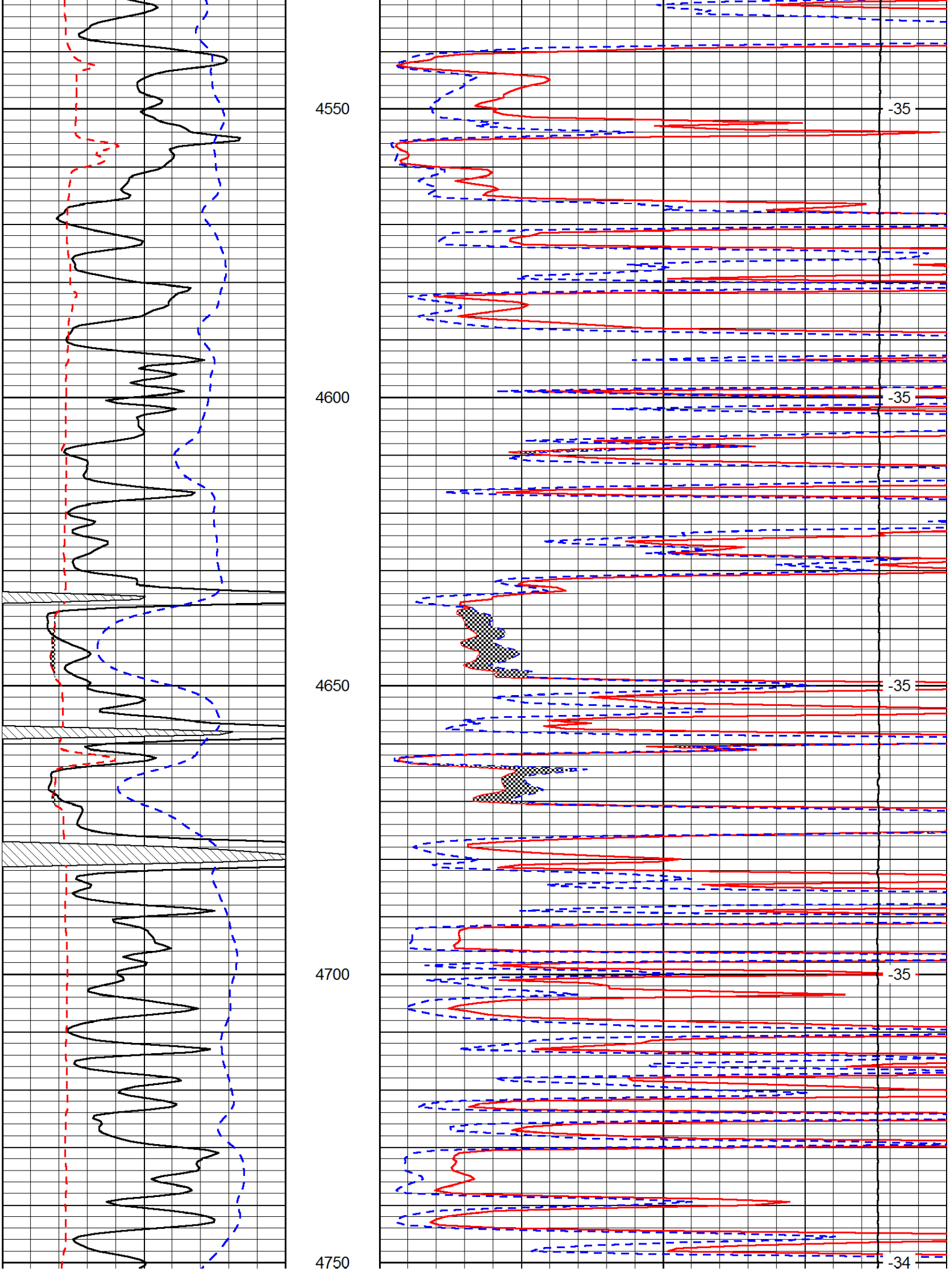
Garden City, Southeast on Highway 50/400 to Aerodrome Road, 1 1/2 East, 1/2 South, West Into

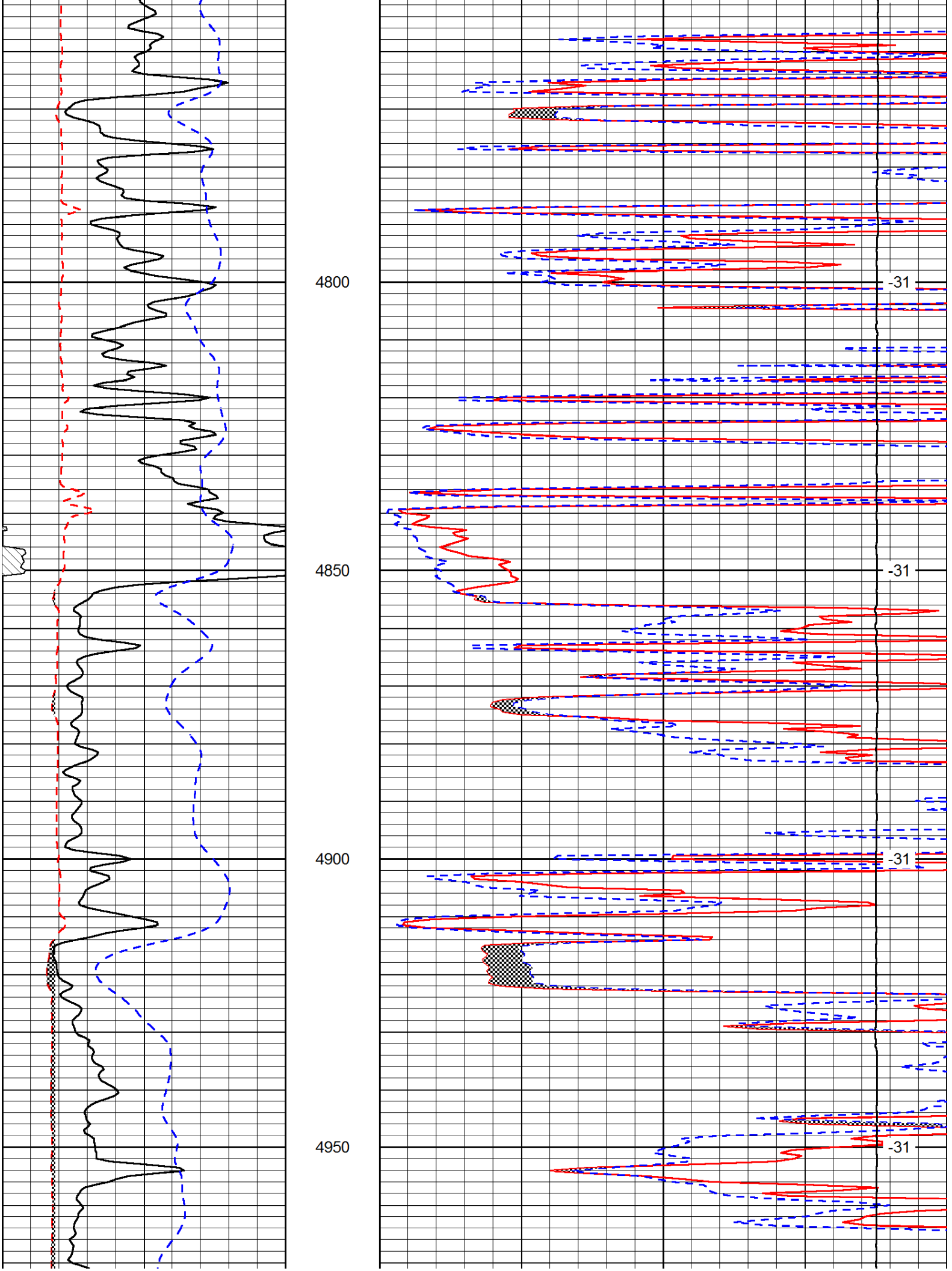
Database File:	c:\warrior\data\amwar_clark #4-2\amwarrior_clark_4-2hd.db
Dataset Pathname:	dil/amwastck
Presentation Format:	micro
Dataset Creation:	Fri May 02 18:00:10 2014
Charted by:	Depth in Feet scaled 1:240

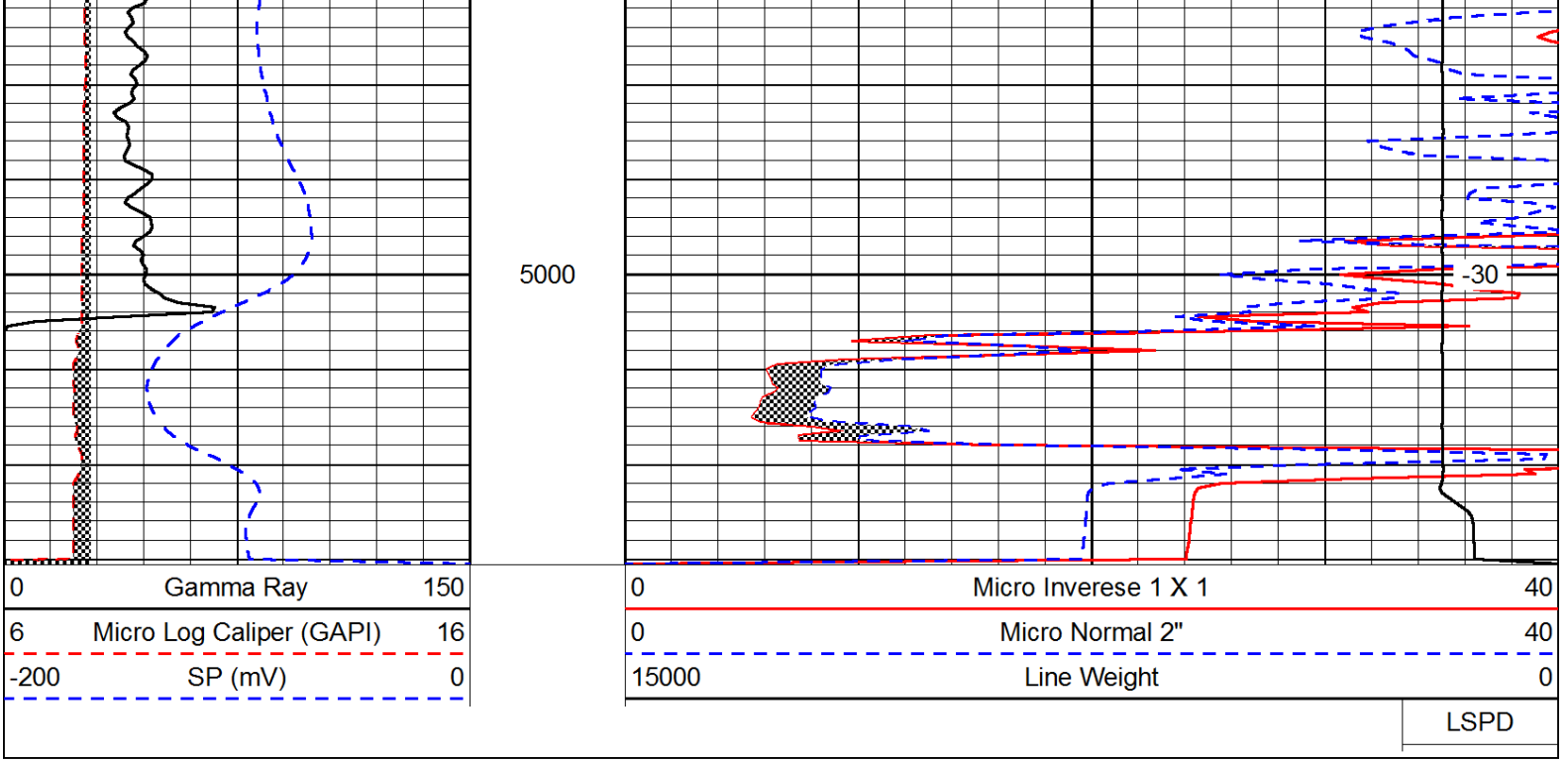

0 Gamma Ray 150
6 Micro Log Caliper (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD
3900
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4000
4050
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-33
-33
-33


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5000
-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