PIONEER

Pioneer Energy Services

Microresistivity Log

Company	American Warrior, Inc.
Well	Tempero # 6-23
Field	Sandford
County	Barton
State	Kansas
API No.	15-009-26,007-00-00
Location	967' FSL & 2239' FEL
	Sec: 23 Twp: 17s Rge: 14w
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Other Services	CNL/CDL DIL
Elevation	K.B. 1915 D.F. G.L. 1907

Date	8/5/2014			
Run Number	Two			
Depth Driller	3500			
Depth Logger	3501			
Bottom Logged Interval	3500			
Top Log Interval	2800			
Casing Driller	8.625 @ 861			
Casing Logger	863			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	10200			
Density / Viscosity	9.1 51			
pH / Fluid Loss	8.5 14.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	.24 @ 80			
Rmf @ Meas. Temp	.18 @ 80			
Rmc @ Meas. Temp	.32 @ 80			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.24 @ 111			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	111			
Equipment Number	108			
Location	Hays			
Recorded By	J Long	D Fischer		
Witnessed By	Adam Folk			

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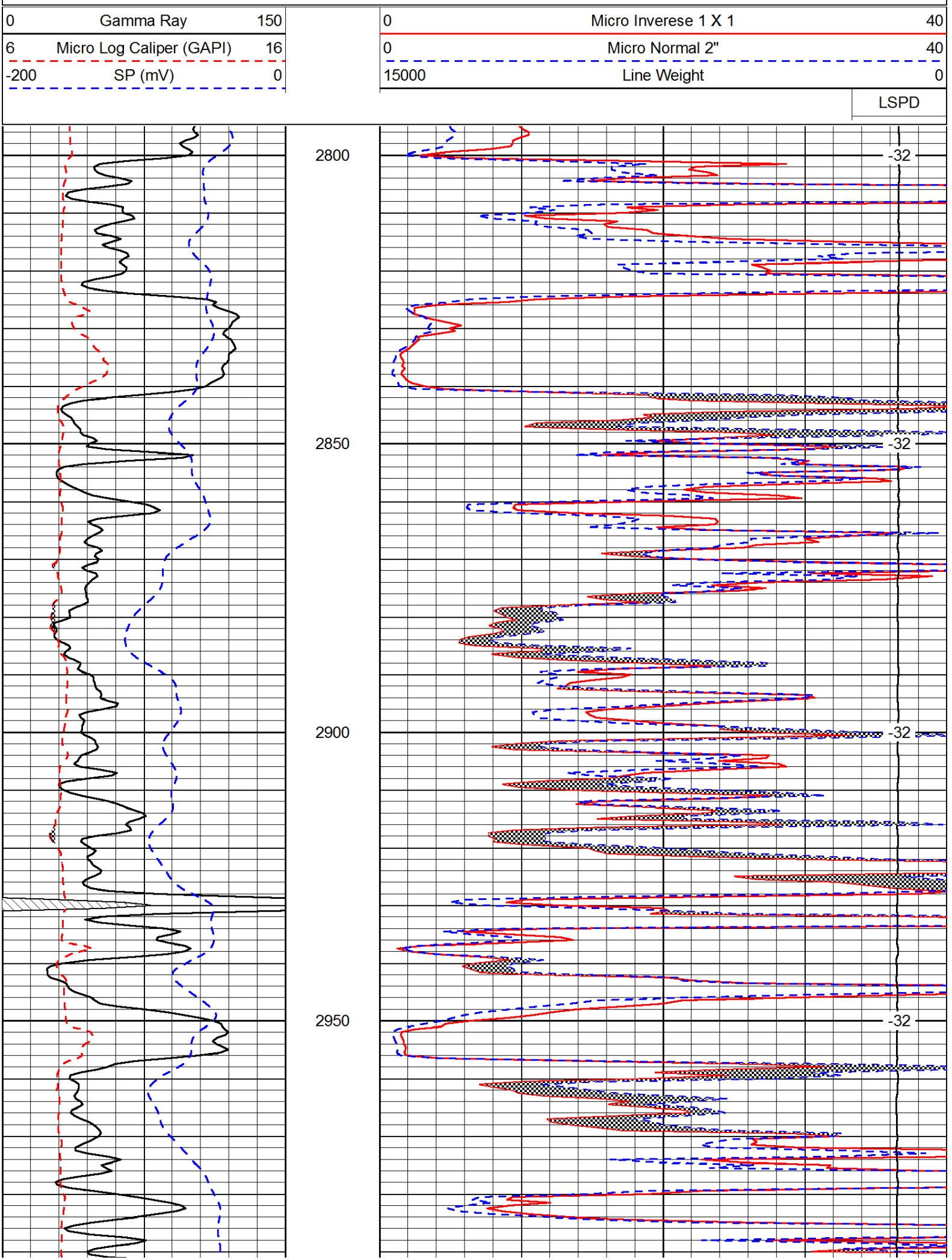
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

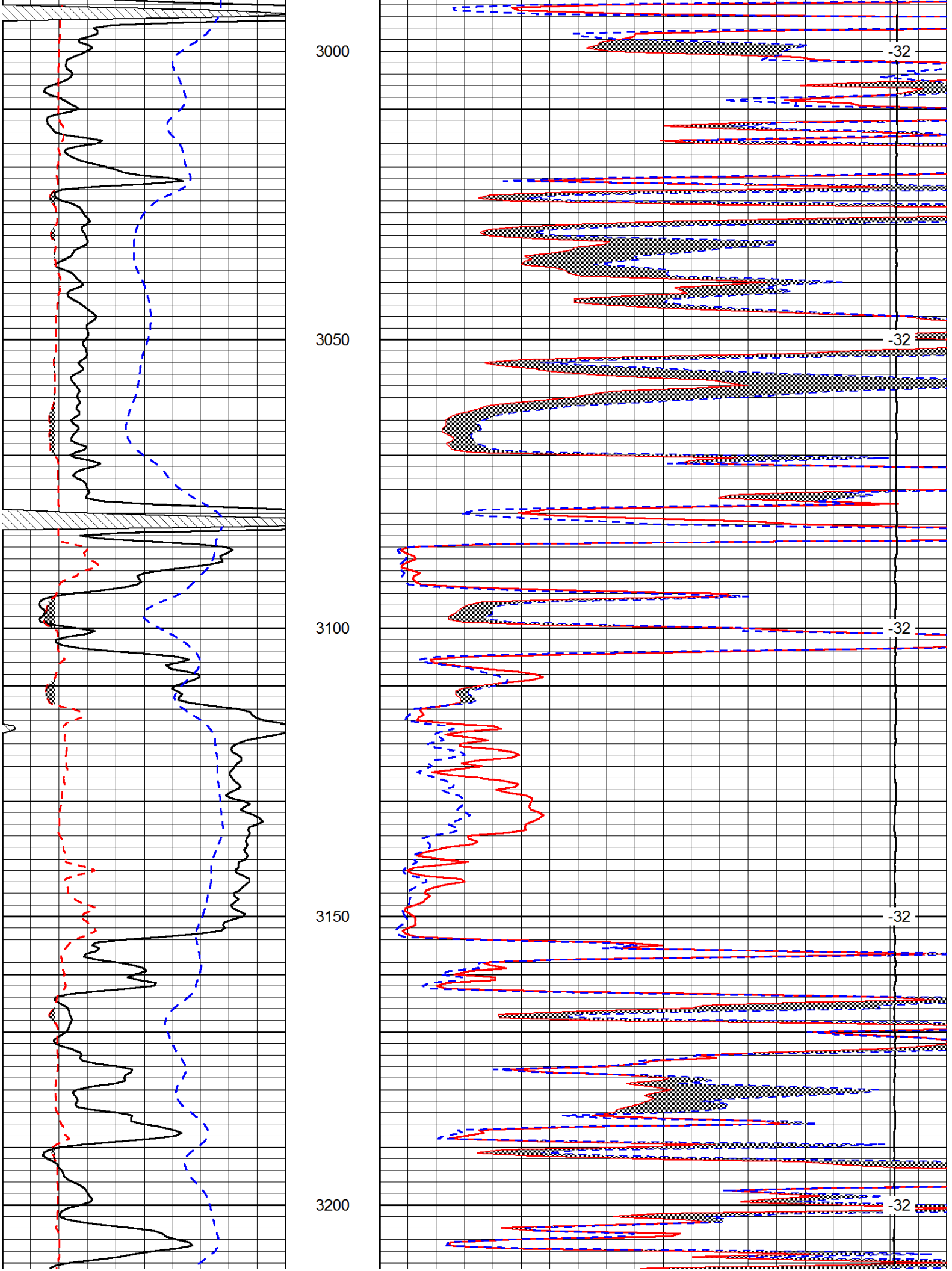
Comments

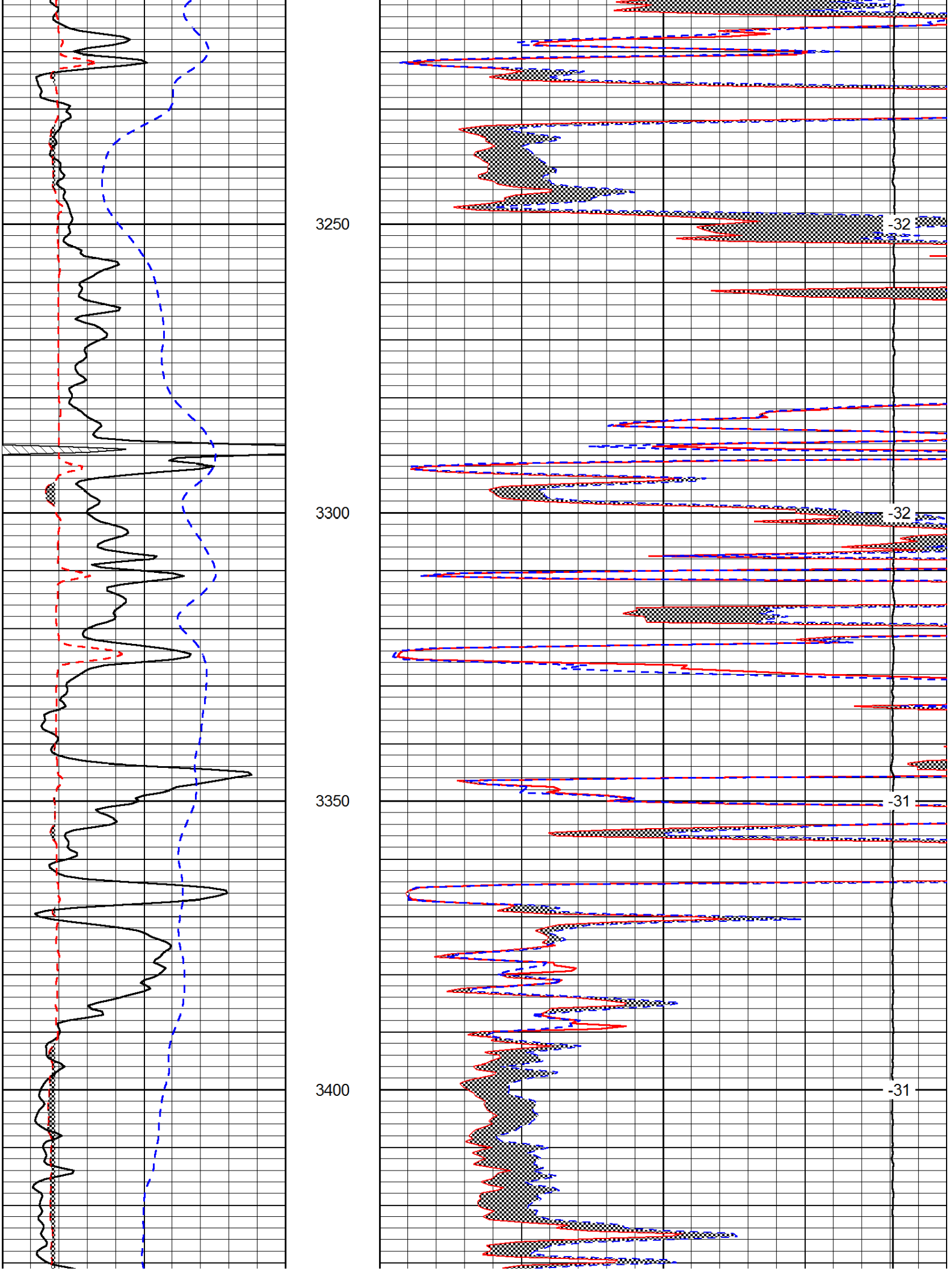
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

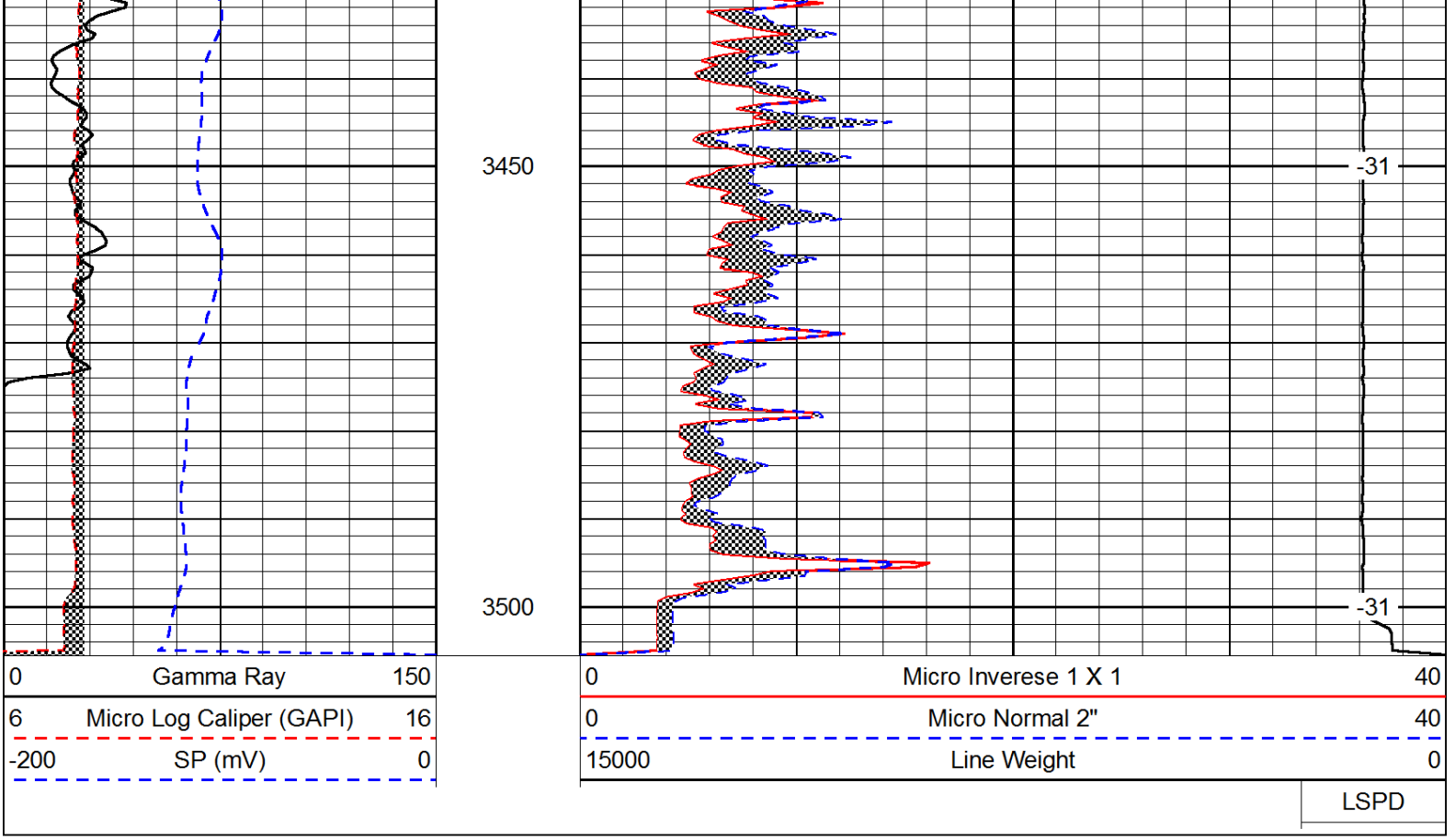
Hwy. 281 & Hwy. 4 Junction, 1 North to 130 Rd., 1/2 East, North Into.

Database File:	c:\warrior\data\amwar_tempero # 6-23\american_warrior_tempero_6-23hd.db
Dataset Pathname:	DIL/awstck
Presentation Format:	micro
Dataset Creation:	Tue Aug 05 16:25:42 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
2800
2850
2900
2950
-32
-32
-32
-32


3000
3050
3100
3150
3200
-32
-32
-32
-32


3250
3300
3350
3400
-32
-32
-31
-31



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