



Pioneer Energy Services

## Dual Compensated Porosity Log

15-179-21,333-00-00

API No.	Company <b>Dennis F. Roberts</b>		
	Well <b>Werth #7</b>	Ground Level <b>Elevation 2586</b>	
	Field <b>Fuller NE</b>	Kelly Bushing <b>5 Ft. Above Perm. Datum</b>	
	County <b>Sheridan</b>	Kelly Bushing	
	State <b>Kansas</b>		
	Location <b>3109' FSL &amp; 3914' FEL</b>		Other Services DIL MEL
	Sec: <b>2</b>	Twp: <b>10S</b>	Rge: <b>26W</b>
			Elevation <b>2591</b>
			D.F. <b>2586</b>
			G.L. <b>2586</b>

Date	5/15/2013		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4100		
Depth Logger	4101		
Bottom Logged Interval	4080		
Top Logged Interval	3600		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	1,000		
Density	9.1		
Level	Full		
Max. Rec. Temp. F	117		
Operating Rig Time	4 Hours		
Equipment -- Location	17 Days		
Recorded By	C. Desaire		
Witnessed By	Bob Hopkins		
	Dennis Roberts		
Borehole Record			
Run No.	Bit	From	To
1	12.25	00	346
2	7.875	346	4100
Casing Record			
	Size	Wgt.	To
	8.625	24#	346

<<< Fold Here >>>

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.

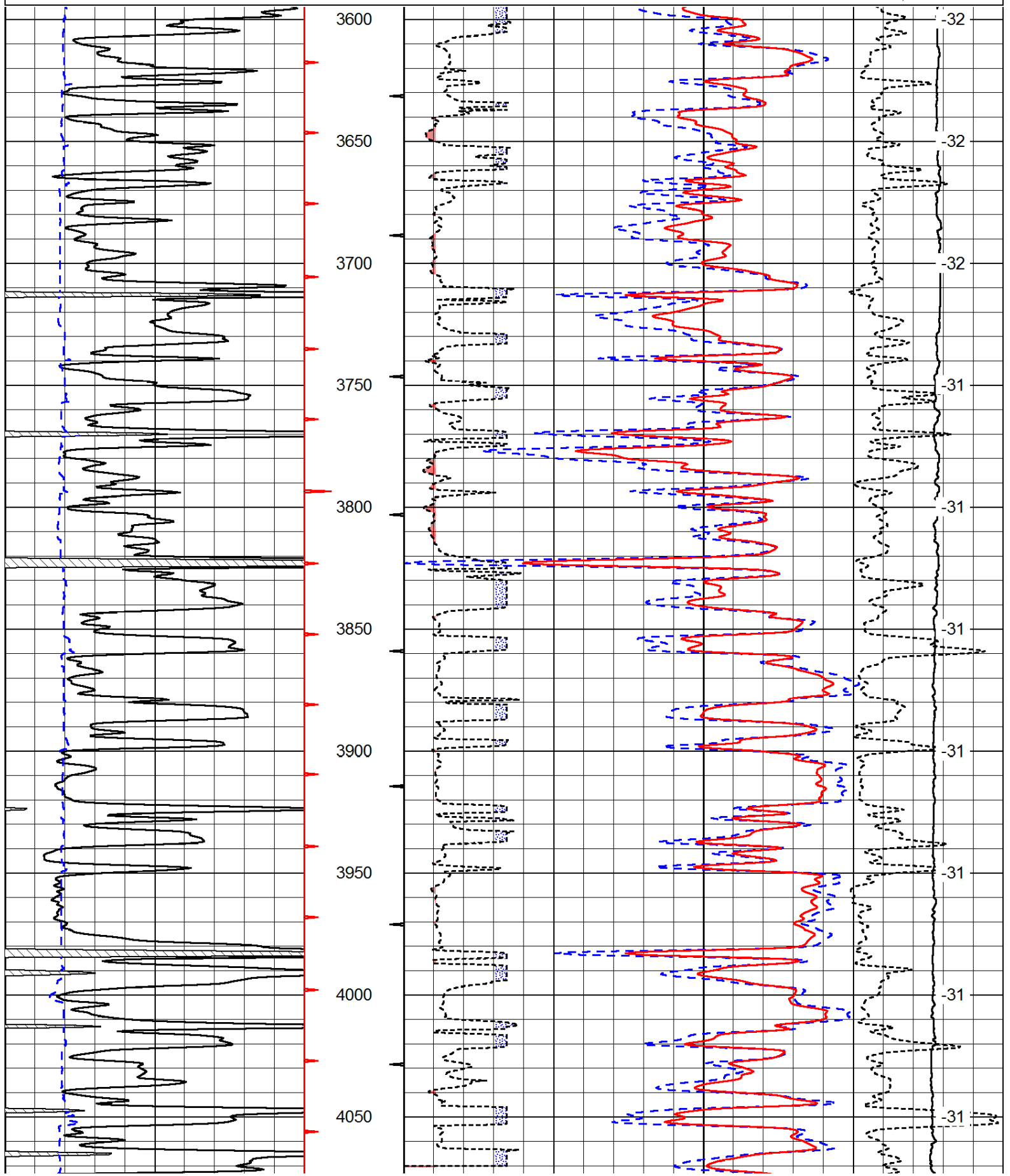
### Comments

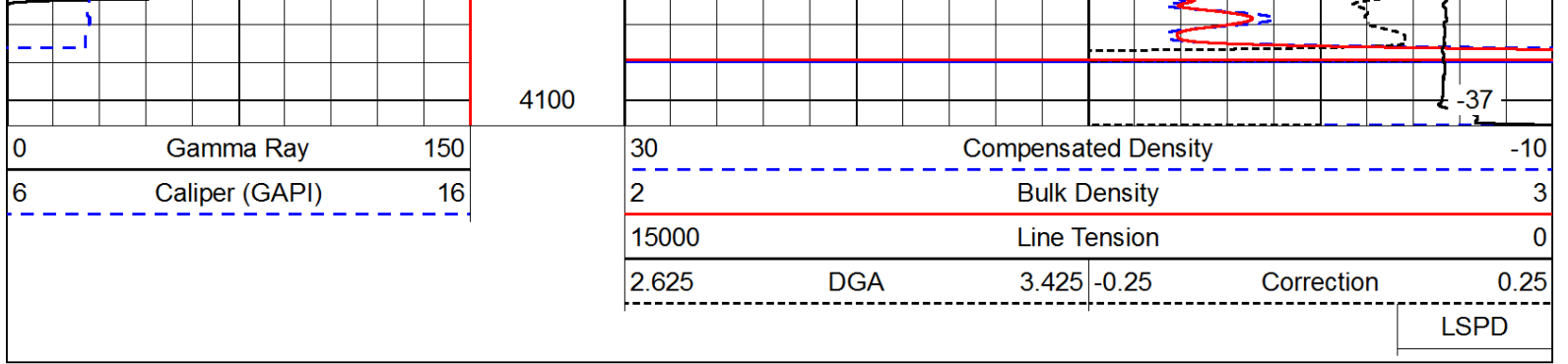
Thank you for using Pioneer Energy Services  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858  
  
 St. Peter KS, 5 W,  
 1 N, 3/4 W, S Into

Database File: c:\warrior\data\dennis f. roberts\_werth #7\drhd.db  
 Dataset Pathname: dil/drstk  
 Presentation Format: cdl  
 Dataset Creation: Wed May 15 13:55:08 2013  
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			





Database File: c:\warrior\data\dennis f. roberts\_werth #7\drhd.db  
 Dataset Pathname: dil/drstk  
 Presentation Format: cndlspec  
 Dataset Creation: Wed May 15 13:55:08 2013  
 Charted by: Depth in Feet scaled 1:240

