



Pioneer Energy Services

## Dual Compensated Porosity Log

15-007-21,257-00-01

API No.

Company **N-10 Exploration, LLC.**  
 Well **Medicine River Ranch SWD "B" No. 2**  
 Field **Landis**  
 County **Barber** State **Kansas**

Location **NE SW SW  
990' FSL & 990' FWL**  
 Sec: **15** Twp: **34S** Rge: **11W**

Other Services  
DIL

Permanent Datum **Ground Level** Elevation **1330**  
 Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

Elevation  
K.B. 1340  
D.F. 1330  
G.L. 1330

Date	11/12/2012	
Run Number	Two	
Type Log	CNL / CDL	
Depth Driller	5293	
Depth Logger	5295	
Bottom Logged Interval	5293	
Top Logged Interval	4500	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	16,000	
Density	9.3	
Level	Full	
Max. Rec. Temp. F	129	
Operating Rig Time	4 Hours	
Equipment -- Location	15 Days	
Recorded By	D Kerr	
Witnessed By	Tim Pierce	

**Borehole Record**

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	319	8.625	24#	00	319
2	7.875	319	5293				

**Casing Record**

<<< 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**

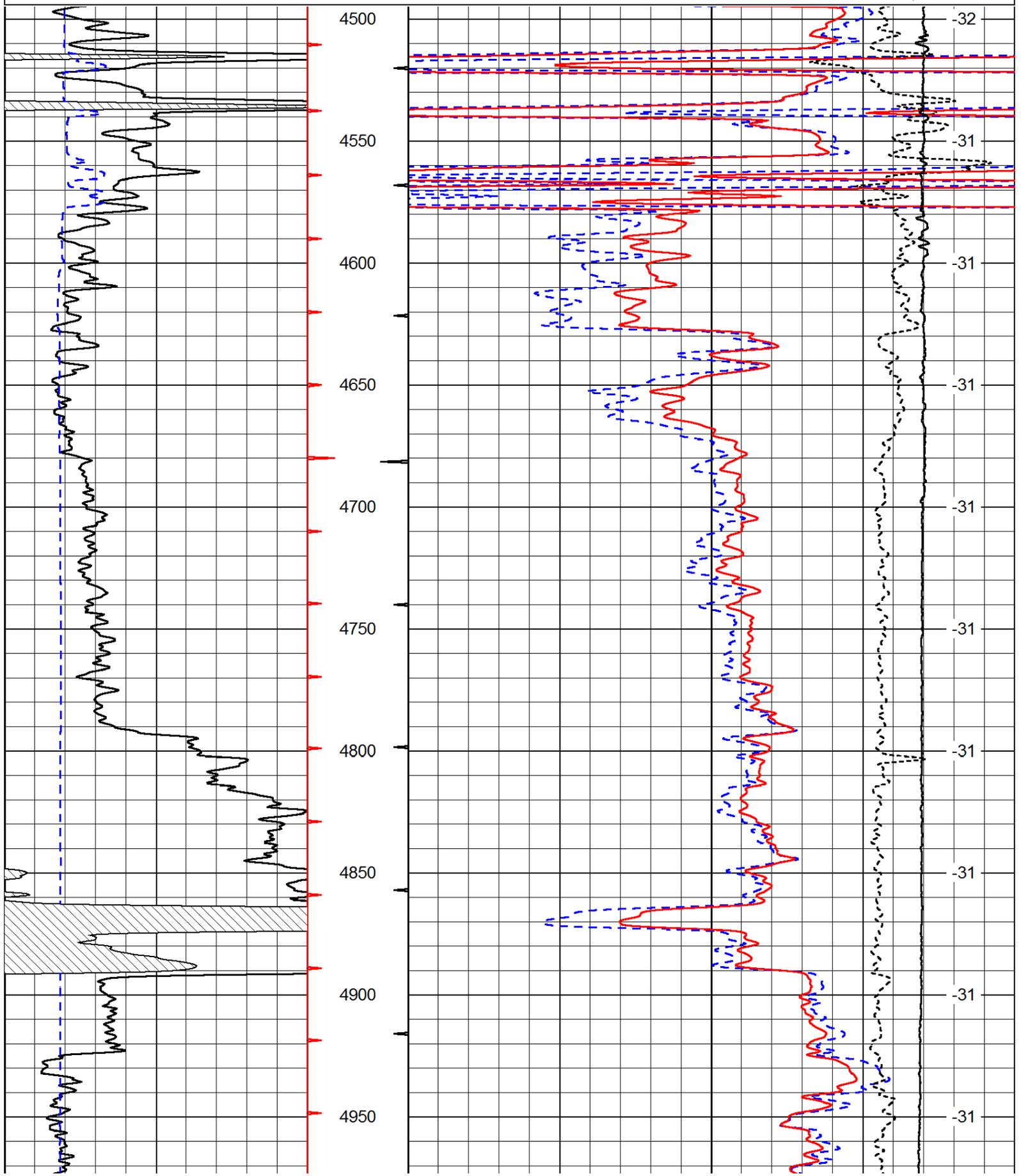
Thank you for using Pioneer Energy Services  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858

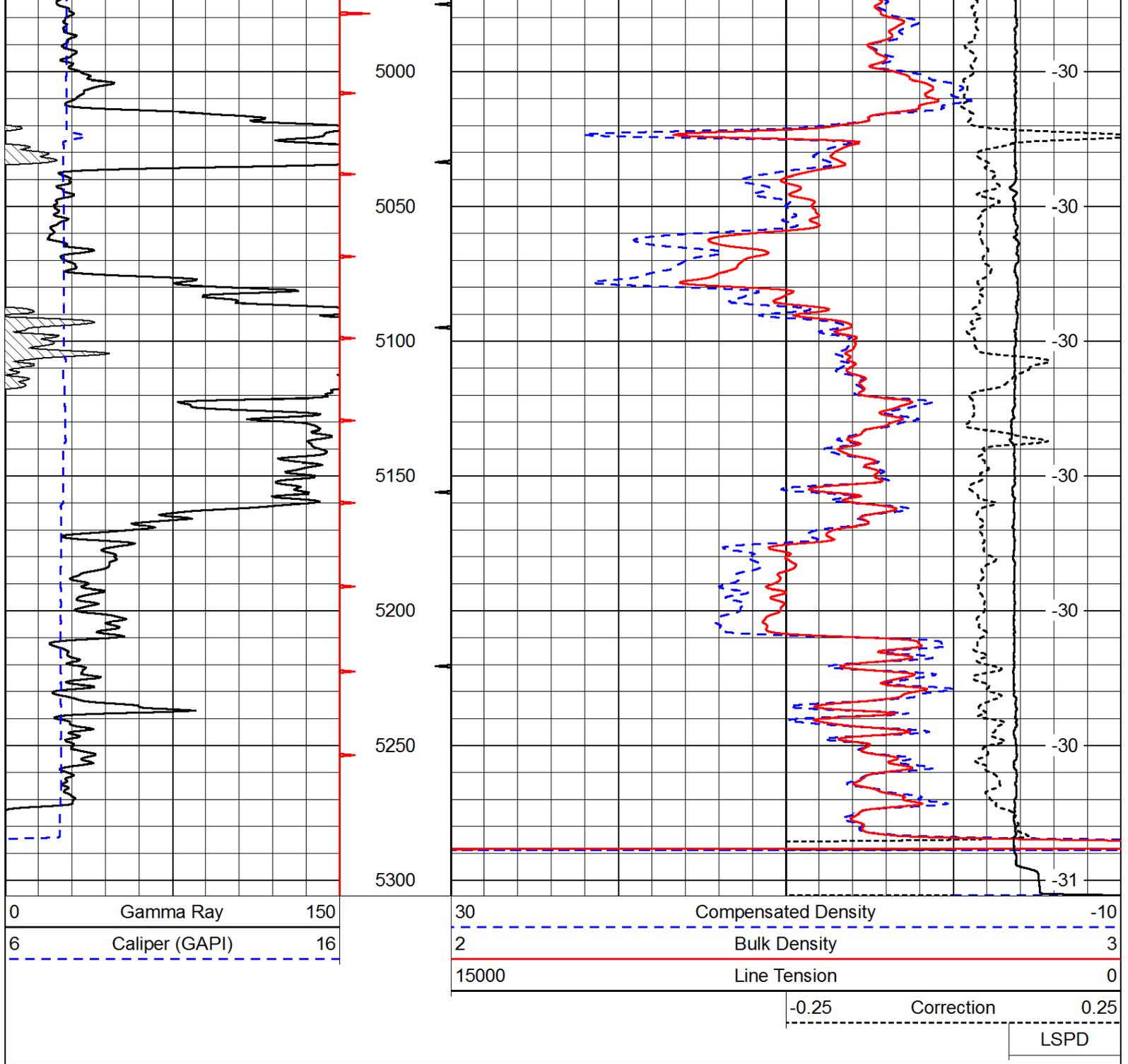
Medicine Lodge KS, South to Gerlane RD,  
 East to Bethel RD, 3 1/2 South to Angus RD,  
 1 1/4 West North Into, Cross 3 Cattle Guards

Database File: c:\warrior\data\n-10 exploration\_medicine river ranch swd b #2\n10\_medicineriverranch\_b\_2hd.db  
 Dataset Pathname: DIL\n10stk  
 Presentation Format: cdl  
 Dataset Creation: Mon Nov 12 18:30:52 2012  
 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
-0.25	Correction	0.25
	LSPD	





Database File: c:\warrior\data\n-10 exploration\_medicine river ranch swd b #2\n10\_medicinerranch\_b\_2hd.db  
 Dataset Pathname: DIL/n10stk  
 Presentation Format: cndlspec  
 Dataset Creation: Mon Nov 12 18:30:52 2012  
 Charted by: Depth in Feet scaled 1:240

