



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-109-21,286-00-00

Company **Blake Exploration, LLC**

Well **Audrey # 2**

Field **Smoky Valley East**

County **Logan** State **Kansas**

Location **875' FSL & 1,750' FWL**

Sec: **31** Twp: **13S** Rge: **32W**

Other Services
DIL
MEL

Permanent Datum **Ground Level** Elevation **2906**

Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing** Elevation **K.B. 2916**
D.F. 2906
G.L. 2906

Date **6/15/2014**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4585**

Depth Logger **4586**

Bottom Logged Interval **4565**

Top Logged Interval **3600**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **13400**

Density **9.3**

Level **Full**

Max. Rec. Temp. F **122**

Operating Rig Time **4 Hours**

Equipment -- Location **108 Hays**

Recorded By **J. Long**

Witnessed By **Mike Davignon**

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 223 8.625 24# 00 223

2 7.875 223 4585

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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

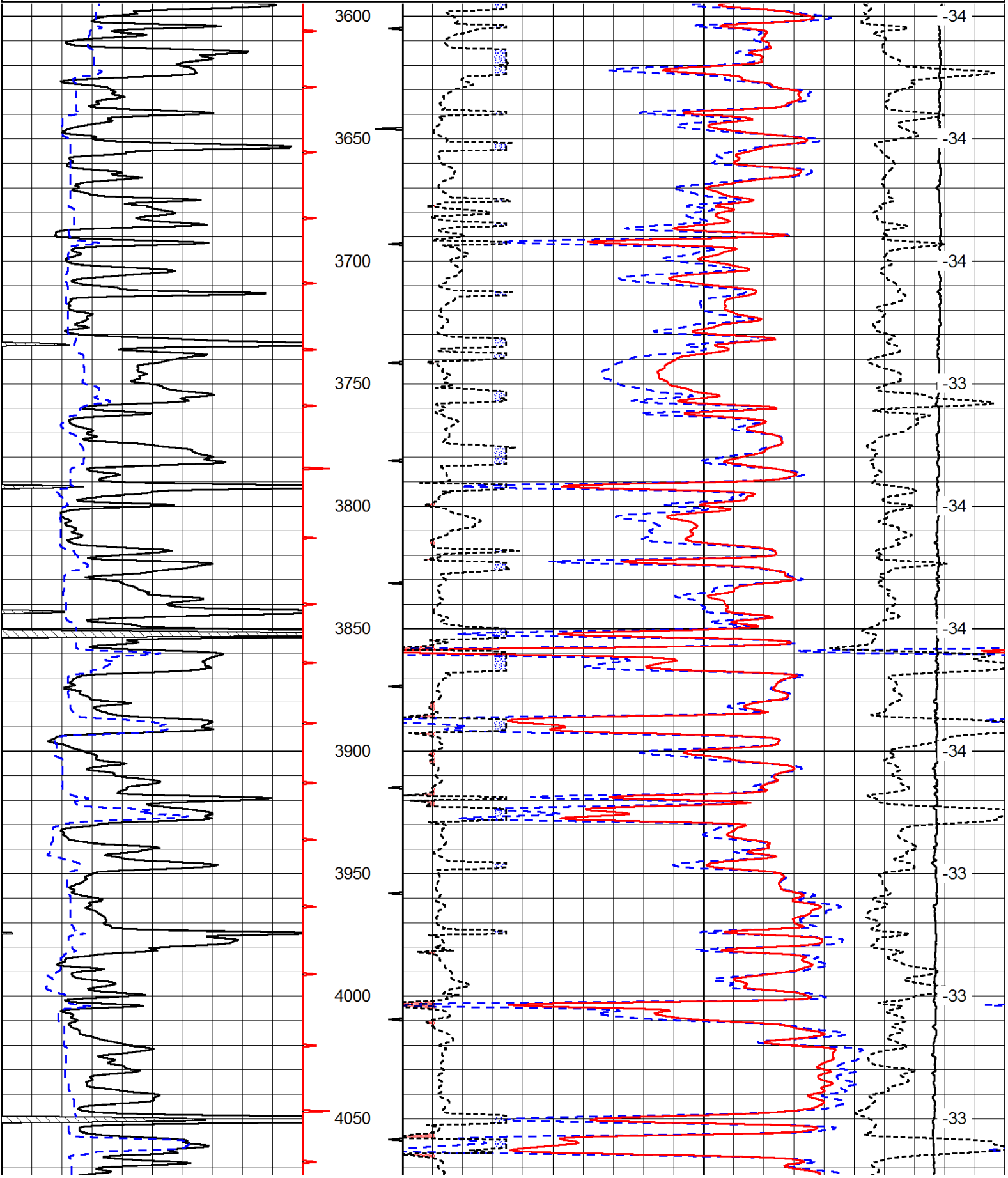
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

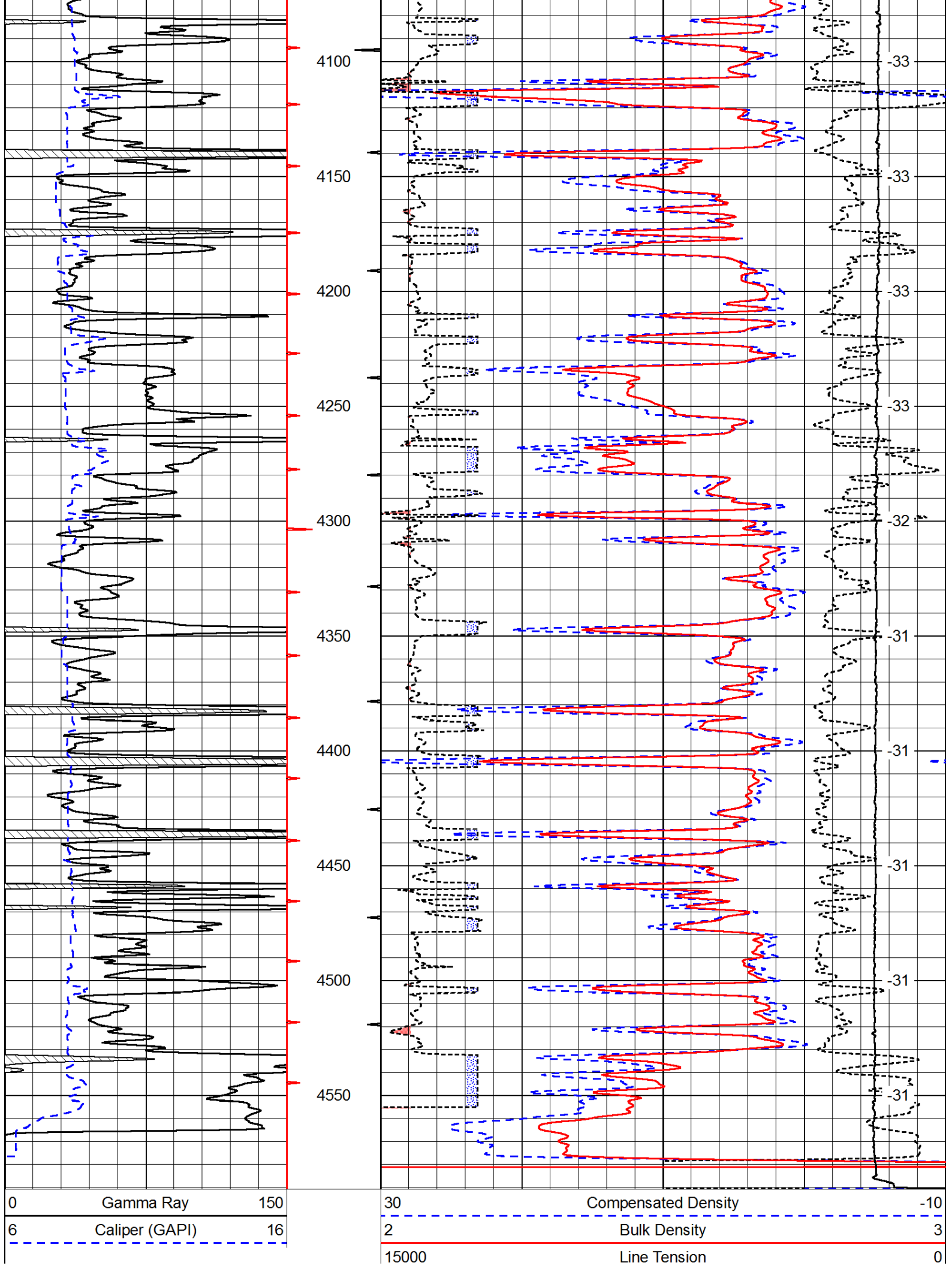
Oakley, 17 South to Mustang Road, 3 1/2 West, North Into

Database File: c:\warrior\data\blake exploration_audrey # 2\blakeexploration_audrey_2hd.db
Dataset Pathname: dil\blakstck
Presentation Format: cdl
Dataset Creation: Sun Jun 15 19:50:20 2014
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





2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

Database File:	c:\warrior\data\blake exploration_audrey # 2\blakeexploration_audrey_2hd.db
Dataset Pathname:	dil/blakstck
Presentation Format:	cnldspec
Dataset Creation:	Sun Jun 15 19:50:20 2014
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150	30	Compensated Neutron (Limestone)		-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)		-10
			2.625	DGA	3.425	-0.25
			Correction		0.25	
			15000	Line Tension		0
						LSPD

