



Pioneer Energy Services

Dual Compensated Porosity Log

15-159-22720-00-00

API No.

Company **American Warrior, Inc.**

Well **Buckley-Doll # 1-18**

Field **Rice**

County **Rice** State **Kansas**

Location **2530' FNL & 807' FWL**

Sec: **18** Twp: **19 S** Rge: **9 W**

Other Services
DIL
MEL

Permanent Datum **Ground Level** Elevation **1740**

Log Measured From **Kelly Bushing** 8 Ft. Above Perm. Datum

Elevation
K.B. **1748**
D.F. **1740**
G.L. **1740**

Drilling Measured From **Kelly Bushing**

Date **01/09/2013**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **3384**

Depth Logger **3366**

Bottom Logged Interval **3365**

Top Logged Interval **2600**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **5700**

Density **8.7**

Level **Full**

Max. Rec. Temp. F **112**

Operating Rig Time **5700**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Jim Musgrove**

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	326	8.625	24#	00	326
2	7.875	326	3384				

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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.

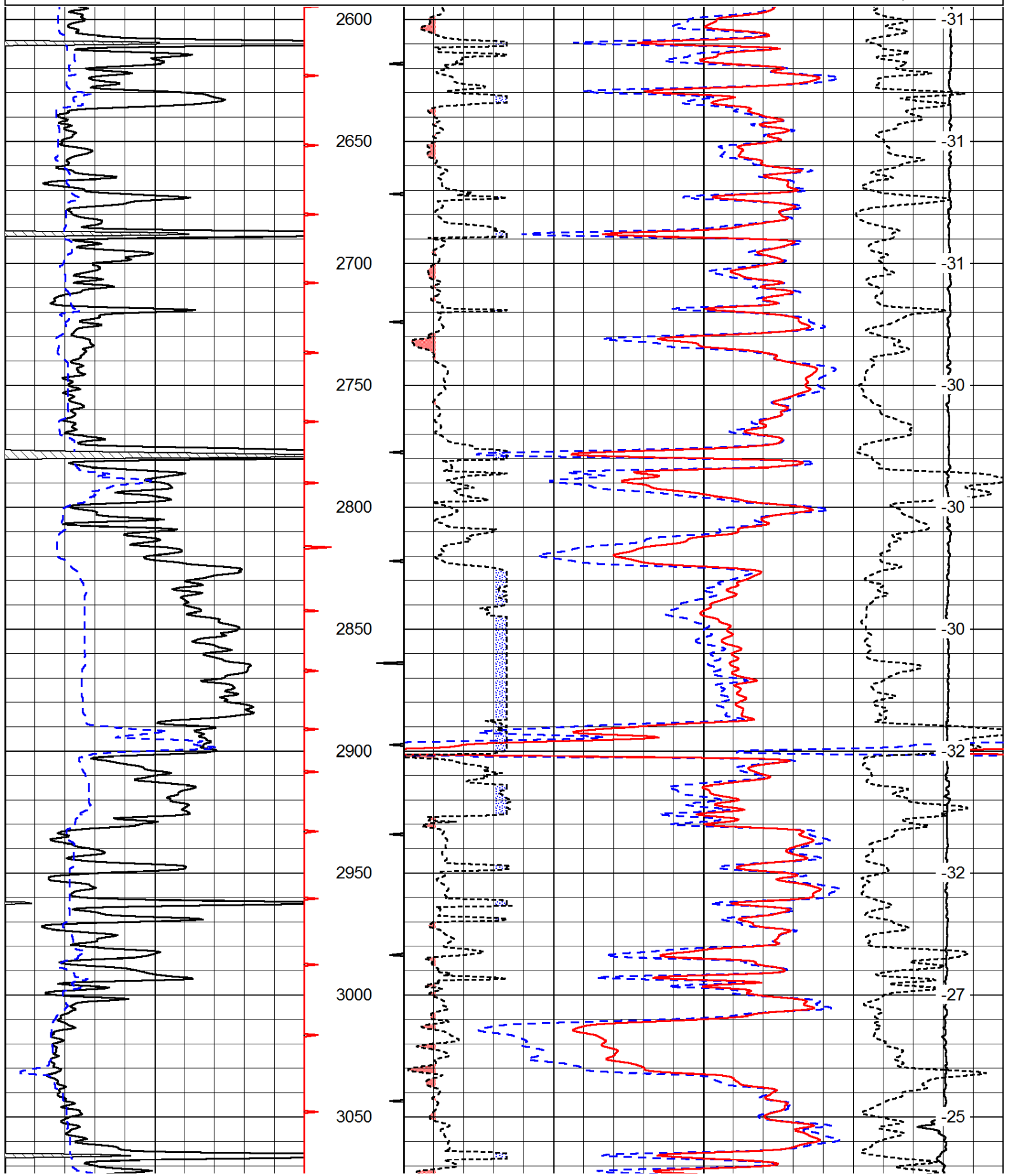
Comments

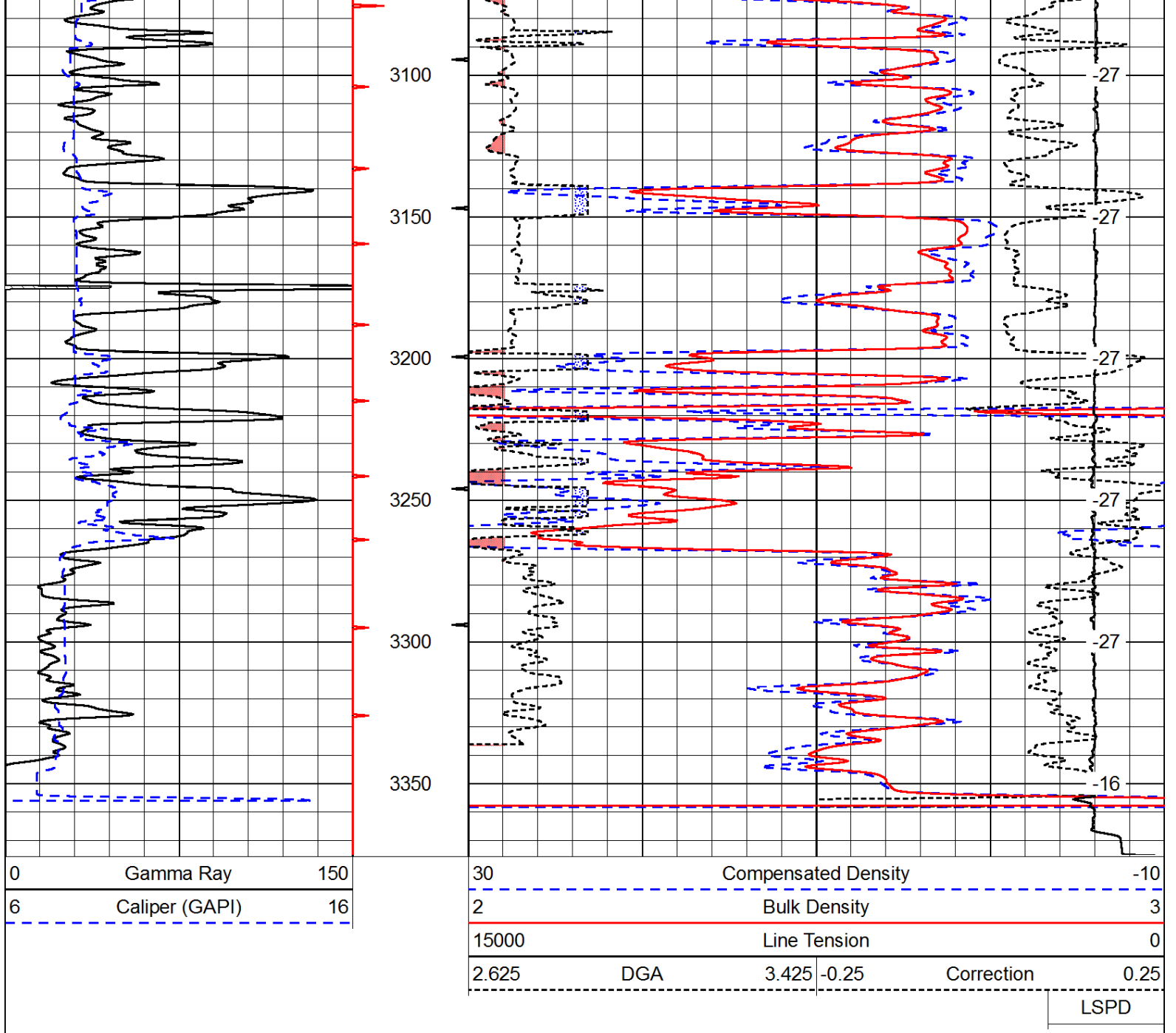
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858
 Chase,
 North to J Road, 1 West, 1/2 North,
 East Into

Database File: c:\warrior\data\amwar_buckley-doll # 1-18\amwar_010913hd.db
 Dataset Pathname: DIL\awstack
 Presentation Format: cdl
 Dataset Creation: Wed Jan 09 19:08:13 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\amwar_buckley-doll # 1-18\amwar_010913hd.db
 Dataset Pathname: DIL/awstack
 Presentation Format: cndlspec
 Dataset Creation: Wed Jan 09 19:08:13 2013
 Charted by: Depth in Feet scaled 1:240

