



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-25,879-00-00

Company American Warrior, Inc.

Well Hofmeister No. 3-15

Field Beaver

County Barton

State Kansas

Location 420' FSL & 1050' FWL

Other Services
DIL

Sec: 15 Twp: 16S Rge: 12W

Permanent Datum Ground Level Elevation 1907
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1915
D.F. 1915
G.L. 1907

Date 9/12/13

Run Number One

Type Log CNL / CDL

Depth Driller 3465

Depth Logger 3465

Bottom Logged Interval 3444

Top Logged Interval 2700

Type Fluid In Hole Chemical

Salinity, PPM CL 5,600

Density 9.2

Level Full

Max. Rec. Temp. F 111

Operating Rig Time 5 1/2 Hours

Equipment -- Location 10 Hays

Recorded By J. Henrickson

Witnessed By Kurt Talbott

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	420	8.625	23#	00	420
Two	7.875	420	TD				

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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

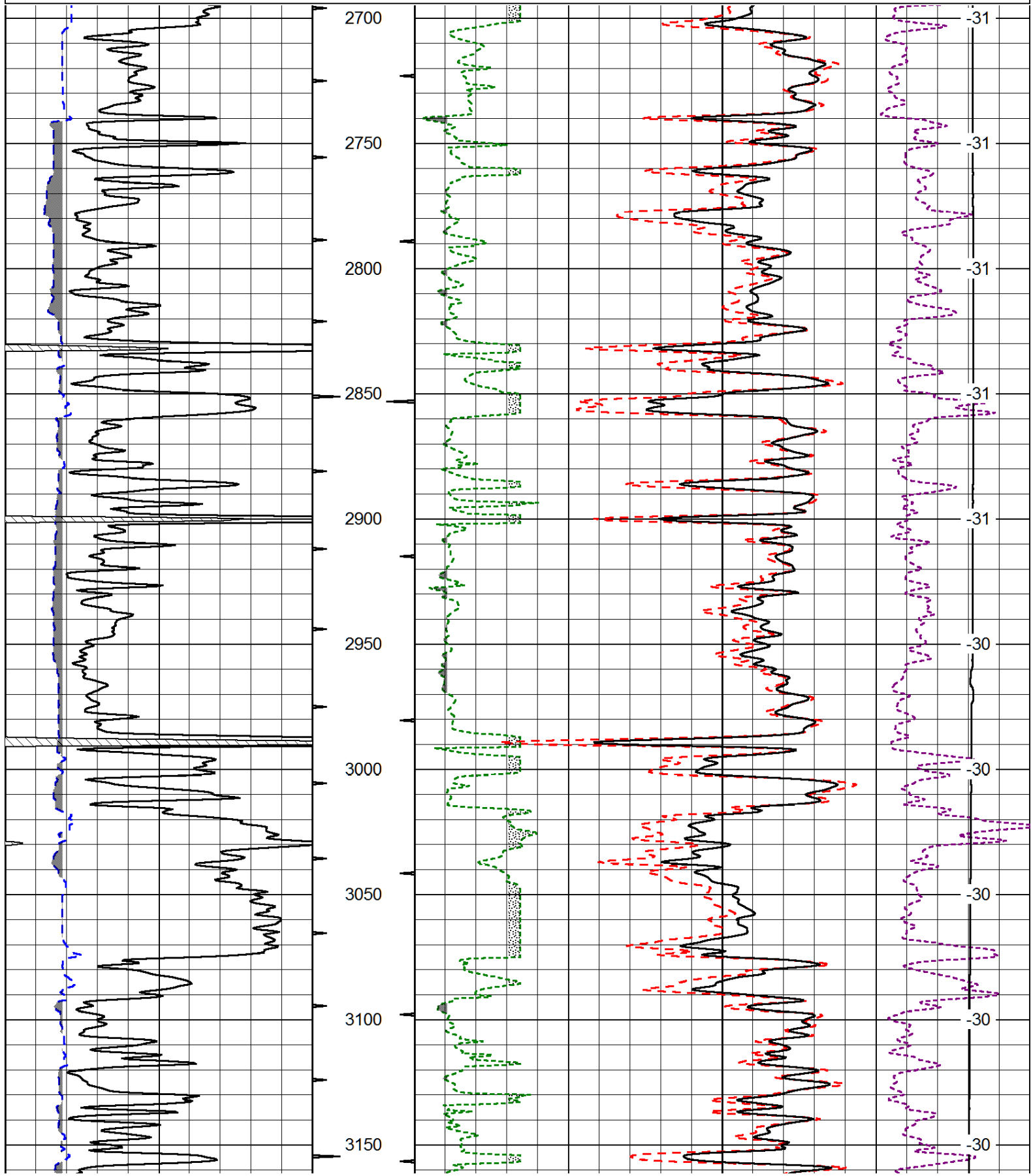
Thank you for using Log-Tech, Inc.
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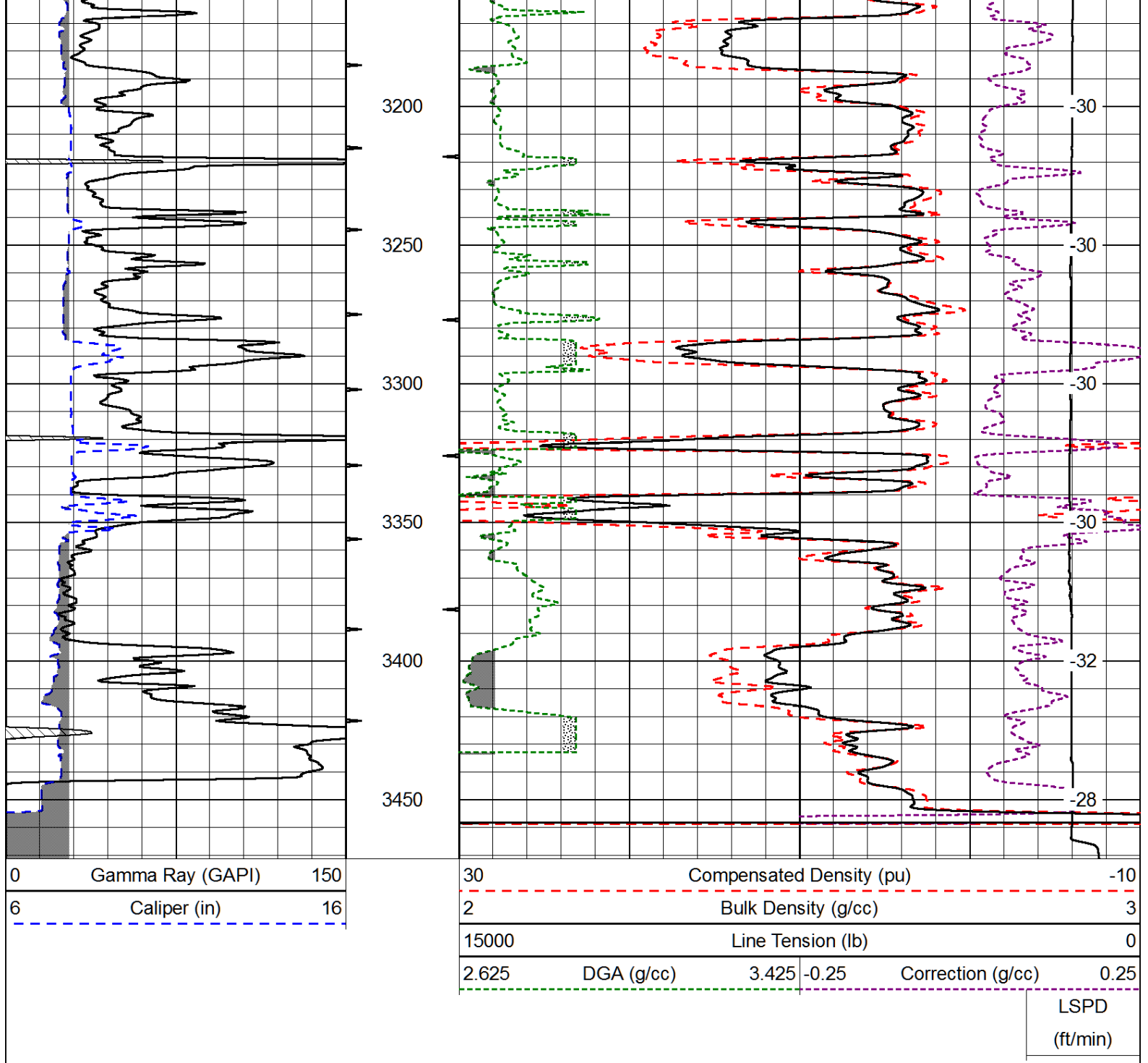
Beaver Kansas
1 North, 1 1/4 East, North Into

Database File: americanwarrior_hofmeister_3_15hd.db
Dataset Pathname: DIL/awstk
Presentation Format: cdl
Dataset Creation: Thu Sep 12 17:50:27 2013
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD (ft/min)		





Database File: americanwarrior_hofmeister_3_15hd.db
 Dataset Pathname: DIL/awstk
 Presentation Format: cndlspec
 Dataset Creation: Thu Sep 12 17:50:27 2013
 Charted by: Depth in Feet scaled 1:240

