



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-135-25,822-00-00

Company American Warrior, Inc.

Well Whipple C No. 5

Field Delos Southeast

County Ness

State Kansas

Location 335' FNL & 1707' FEL

Other Services
DIL/MEL

Sec: 8

Twp: 18s

Rge: 26w

Permanent Datum

Log Measured From Kelly Bushing

Drilling Measured From

Kelly bushing

11

Ft. Above Perm. Datum

K.B. 2511
D.F.
G.L. 2500

Elevation

Date 10/22/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4650

Depth Logger 4652

Bottom Logged Interval 4631

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 4000

Density 9.4

Level Full

Max. Rec. Temp. F 123

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By D. Fischer

Witnessed By Luke Thompson

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	215	8.625	23#	00	215
Two	7.875	215	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

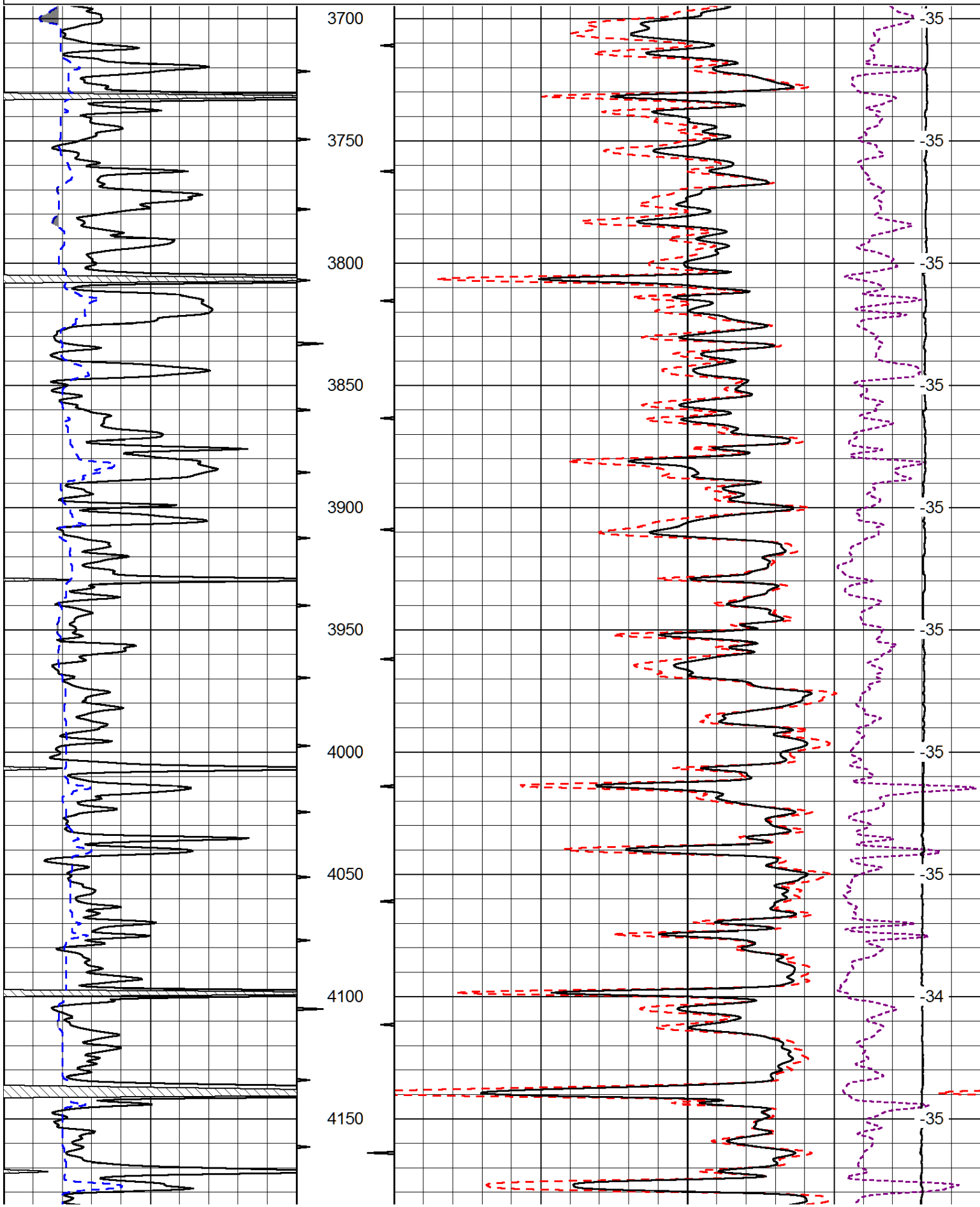
Thank you for using Log-Tech, Inc.
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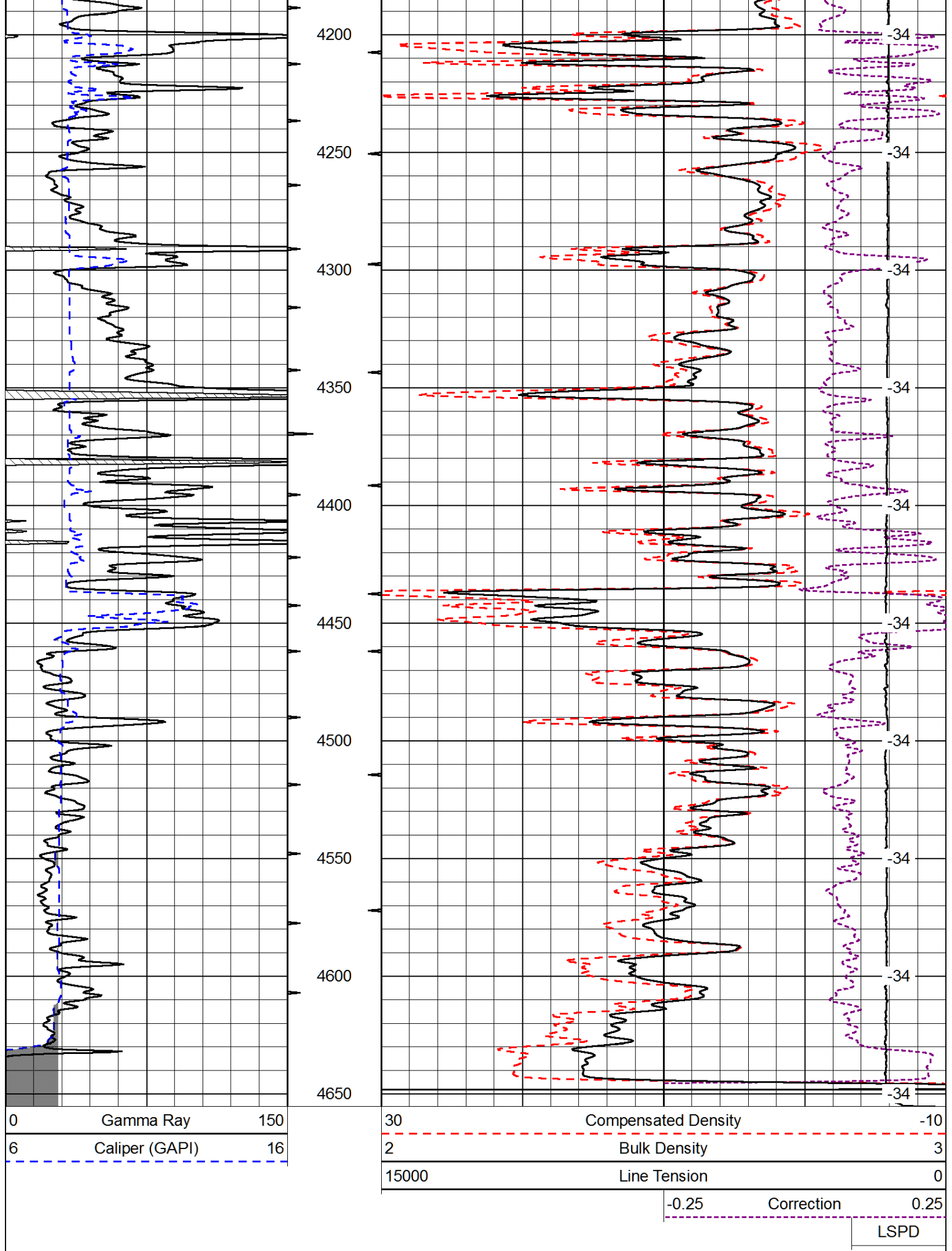
Beeler Ks., 1/4 West to C Rd., 3 1/4 North, West Into.

Database File: american_warrior_whipple_c_5hd.db
Dataset Pathname: DIL/amstck
Presentation Format: cdl
Dataset Creation: Thu Oct 23 07:59:36 2014
Charted by: Depth in Feet scaled 1:600

Gamma Ray	150
Caliper (GAPI)	16

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





Database File: american_warrior_whipple_c_5hd.db
Dataset Pathname: DIL/amstck
Presentation Format: cndlspec
Dataset Creation: Thu Oct 23 07:59:36 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	30	CNLS	-10
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)	-10
			10000	Line Tension	0
			-0.25 Correction 0.25		
			LSPD		

