



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-175-22221-00-00

Company **American Warrior, Inc.**

Well **Handy #10**

Field **Blue Bell**

County **Seward**

State **Kansas**

Location

**NW SW SE SW
335' FSL & 1349' FWL**

Sec: **29**

Twp: **34S**

Rge: **31W**

Permanent Datum **Ground Level** Elevation **2731**
Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Other Services
DIL/MEL
Elevation
K.B. 2744
D.F. 2731
G.L. 2731

Date

8/3/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

6500

Depth Logger

6500

Bottom Logged Interval

6479

Top Logged Interval

4300

Type Fluid In Hole

Chemical

Salinity, PPM CL

2200

Density

9.2

Level

Full

Max. Rec. Temp. F

143

Operating Rig Time

3 1/2 Hours

Equipment -- Location

91 Hays

Recorded By

D. Schmidt

Witnessed By

Wyatt Urban

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	1705	8.625	23#	00	1705
Two	7.875	1705	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.

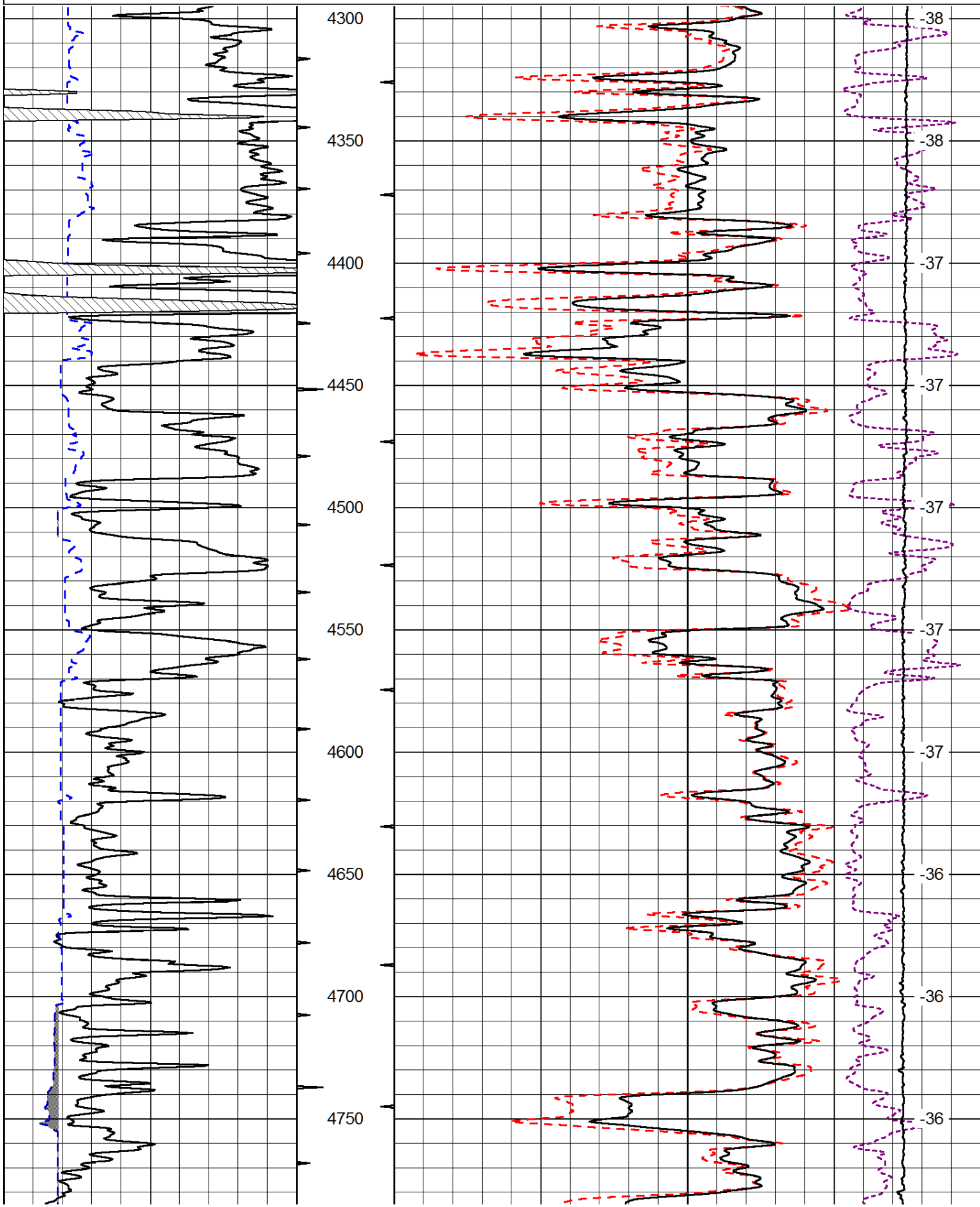
Comments

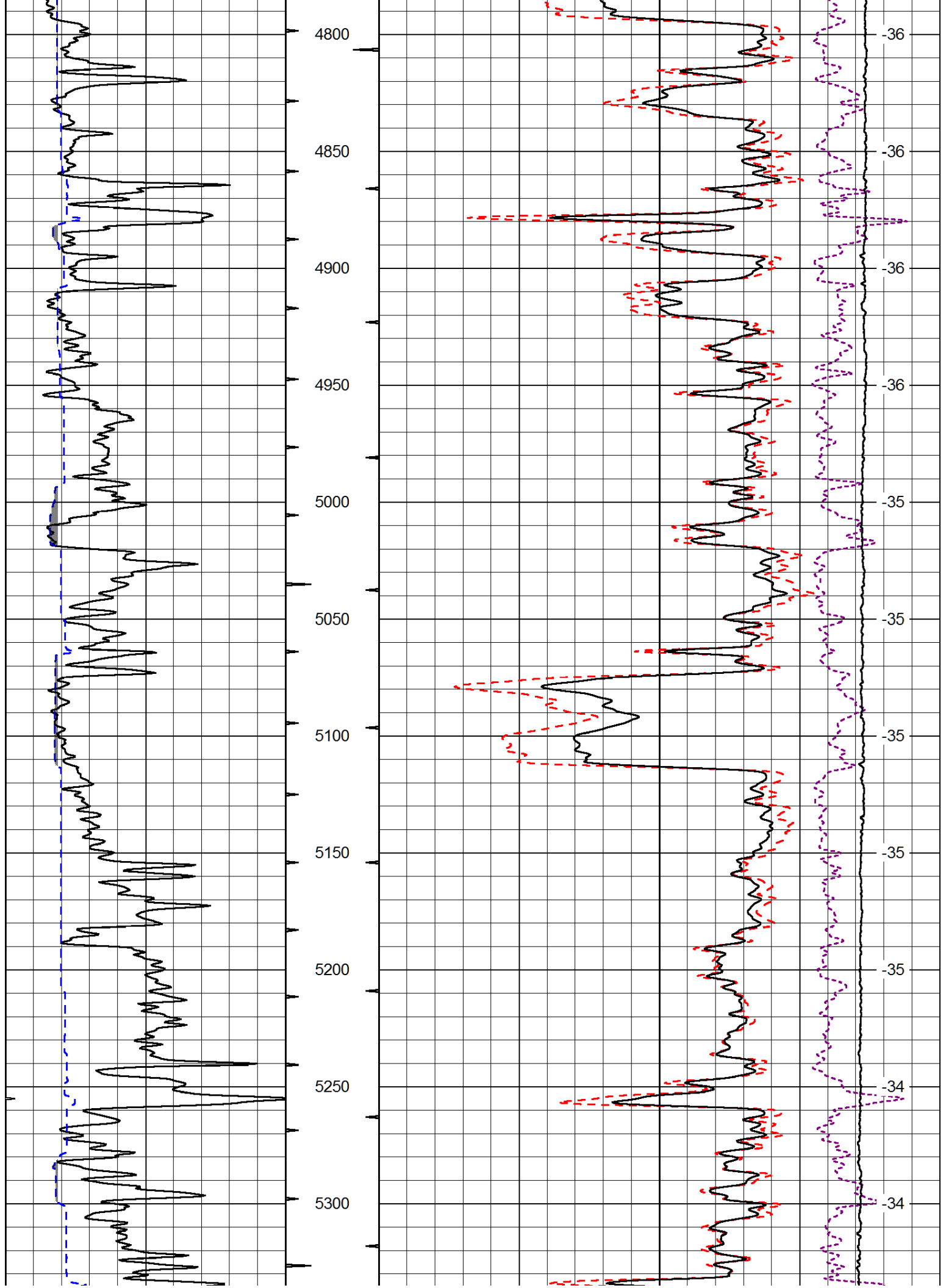
Thank you for using Log-Tech, Inc.
(785) 625-3858
Liberal,
from the 5 Points Intersection,
11 East on Blue Bell Rd to U Rd, 1 North, 1/2 West,
North into

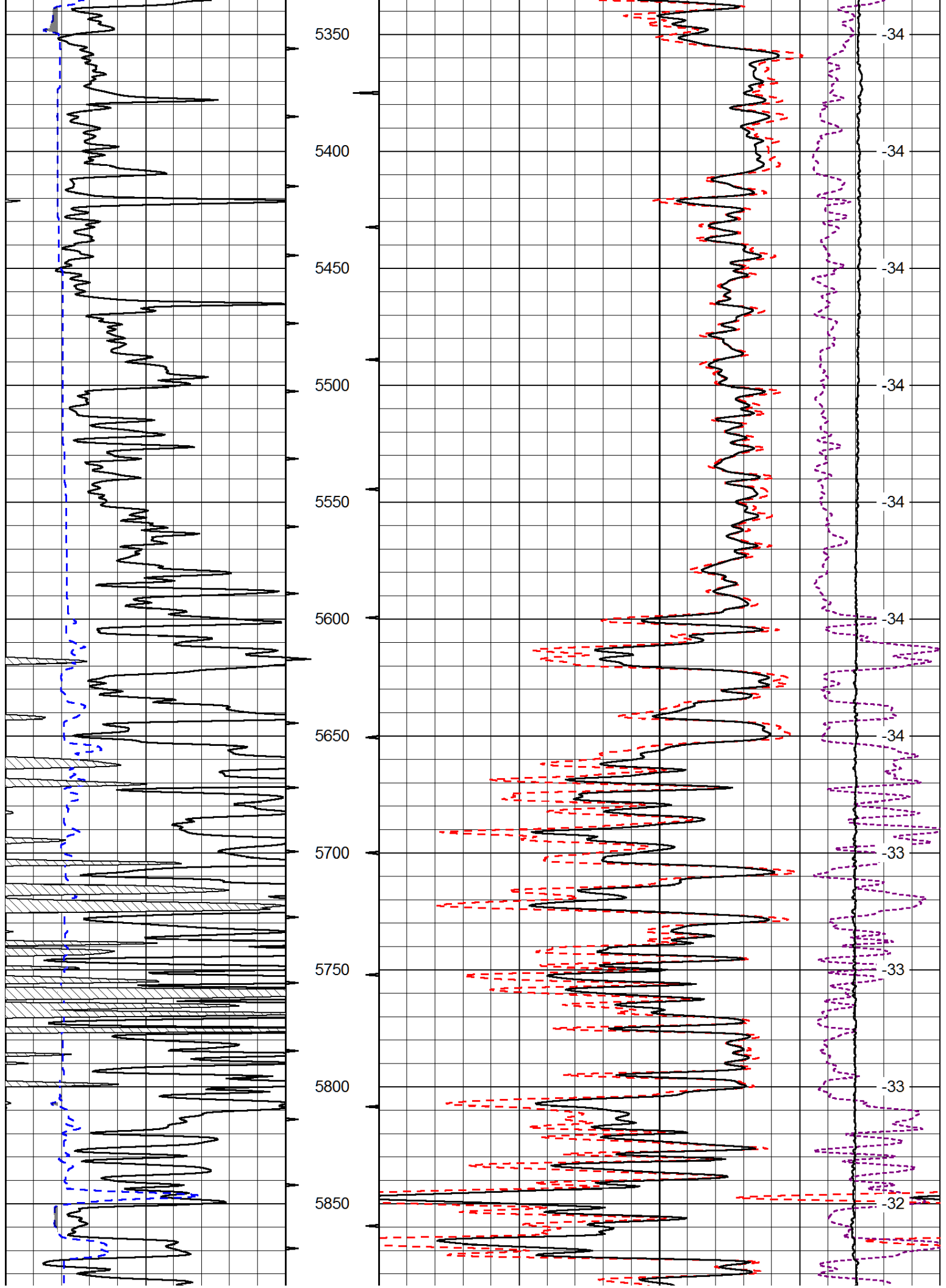
Database File: american_warrior_handy_10hd.db
Dataset Pathname: dil/awstkml
Presentation Format: cdl
Dataset Creation: Sun Aug 03 20:06:03 2014
Charted by: Depth in Feet scaled 1:600

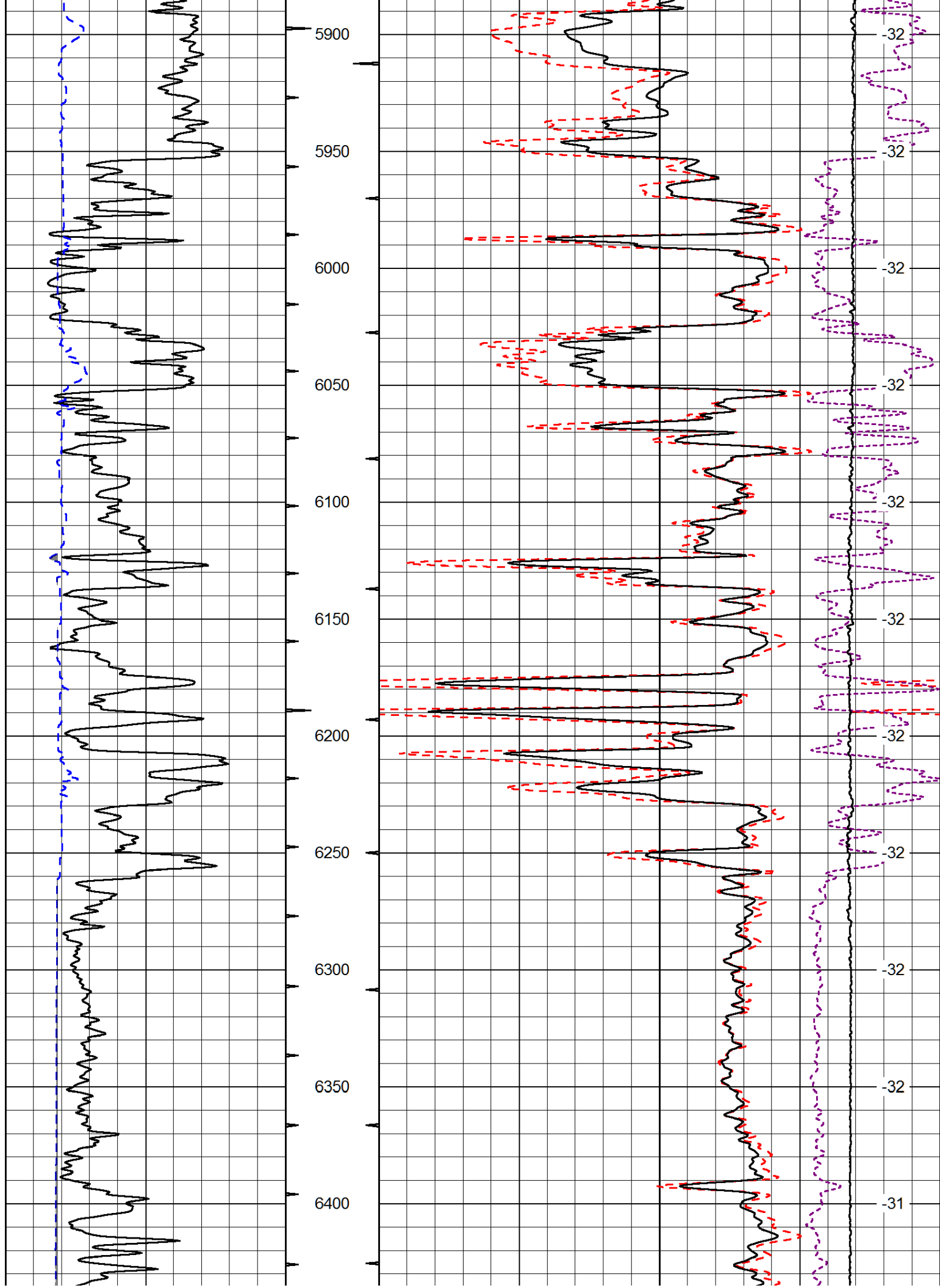
0	Gamma Ray	150
6	Caliper (GAPI)	16

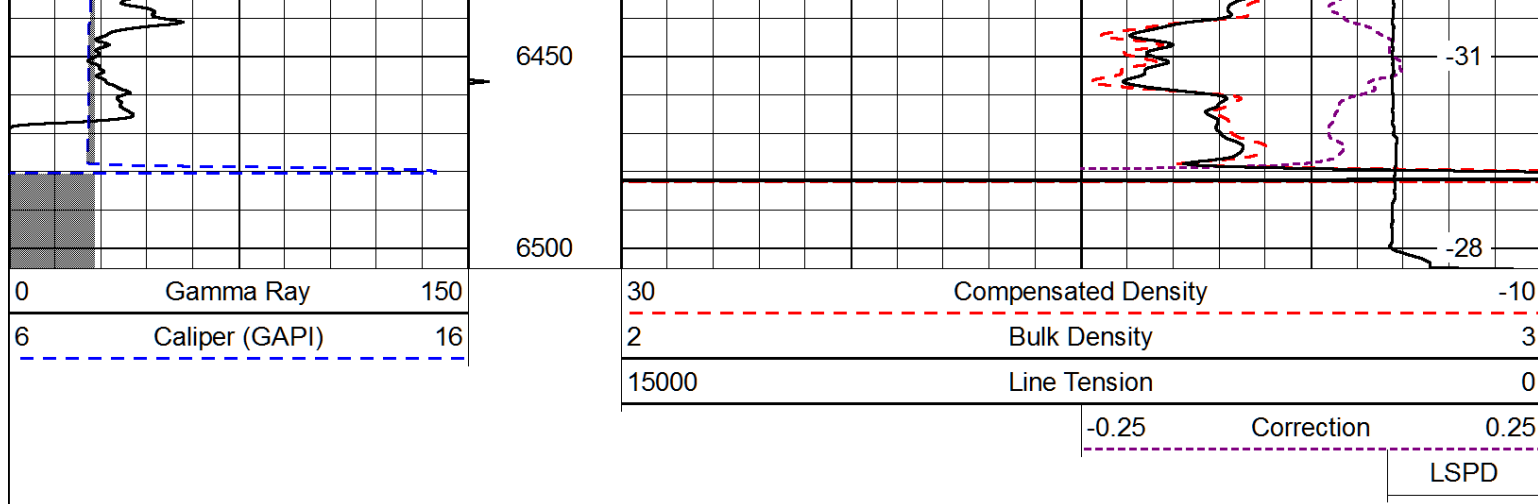
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
	-0.25	Correction	0.25
			LSPD











Database File: american_warrior_handy_10hd.db
 Dataset Pathname: dil/awstkml
 Presentation Format: cndlspec
 Dataset Creation: Sun Aug 03 20:06:03 2014
 Charted by: Depth in Feet scaled 1:240

