



Pioneer Energy Services

Dual Compensated Porosity Log

15-163-24061-00-00

API No.

Company **American Warrior, Inc.**
 Well **Hammerschmidt #1-11**
 Field **Unnamed**
 County **Rooks** State **Kansas**

Other Services
DIL
MEL/BHCS

Location
780' FNL & 2105' FEL
Sec: 11 Twp: 10S Rge: 19W

Permanent Datum Ground Level Elevation 2136
 Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Elevation
K.B. 2146
D.F. 2136
G.L. 2136

Date	9/3/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3730	
Depth Logger	3737	
Bottom Logged Interval	3716	
Top Logged Interval	2000	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	3900	
Density Level	9.3	
Level	Full	
Max. Rec. Temp. F	115	
Operating Rig Time	5 Hours	
Equipment -- Location	91 Hays	
Recorded By	D. Schmidt	
Witnessed By	Jeff Lawler	

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	212	8.625	24#	00	212
2	7.875	212	3730				

Casing Record

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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.

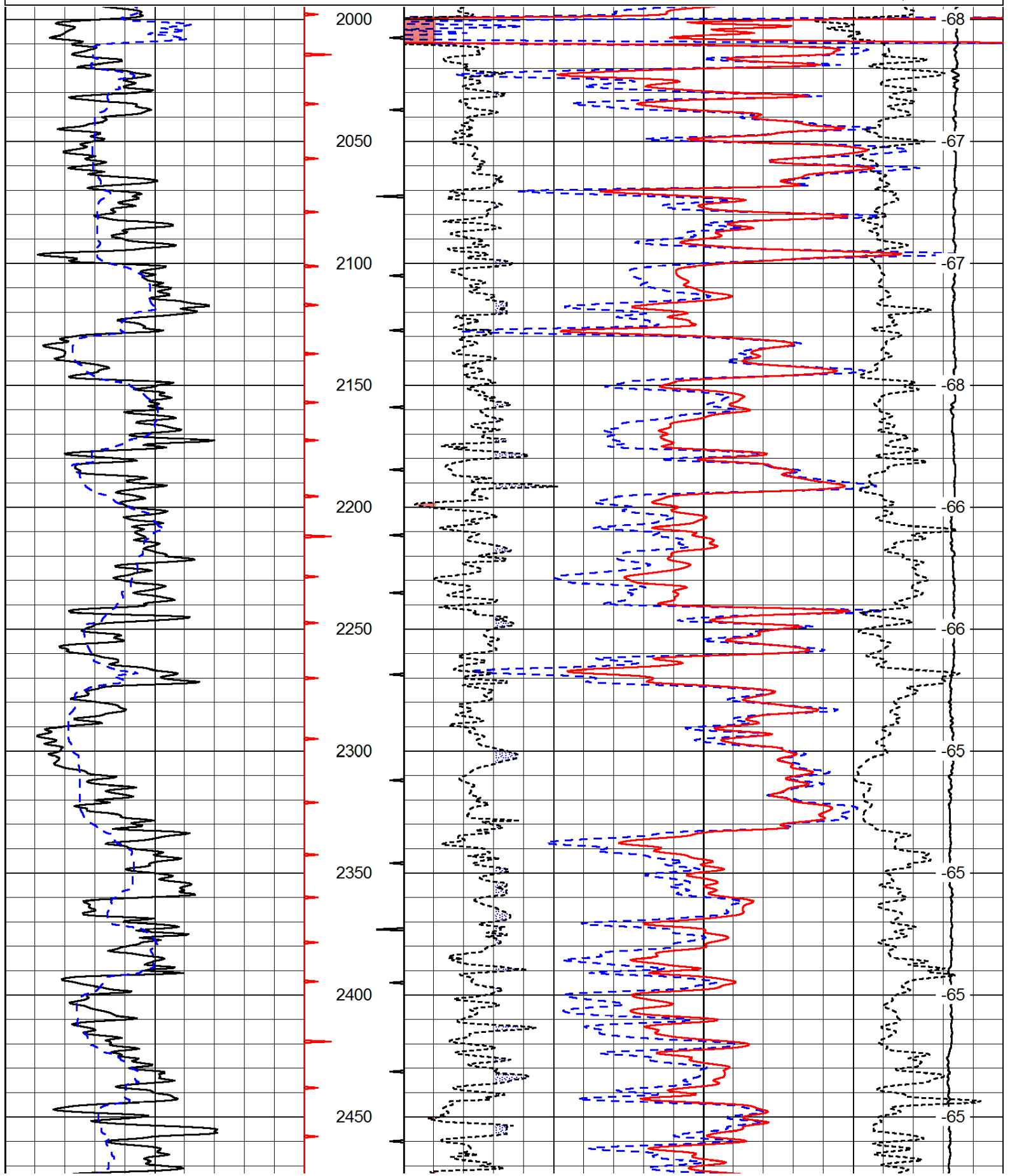
Comments

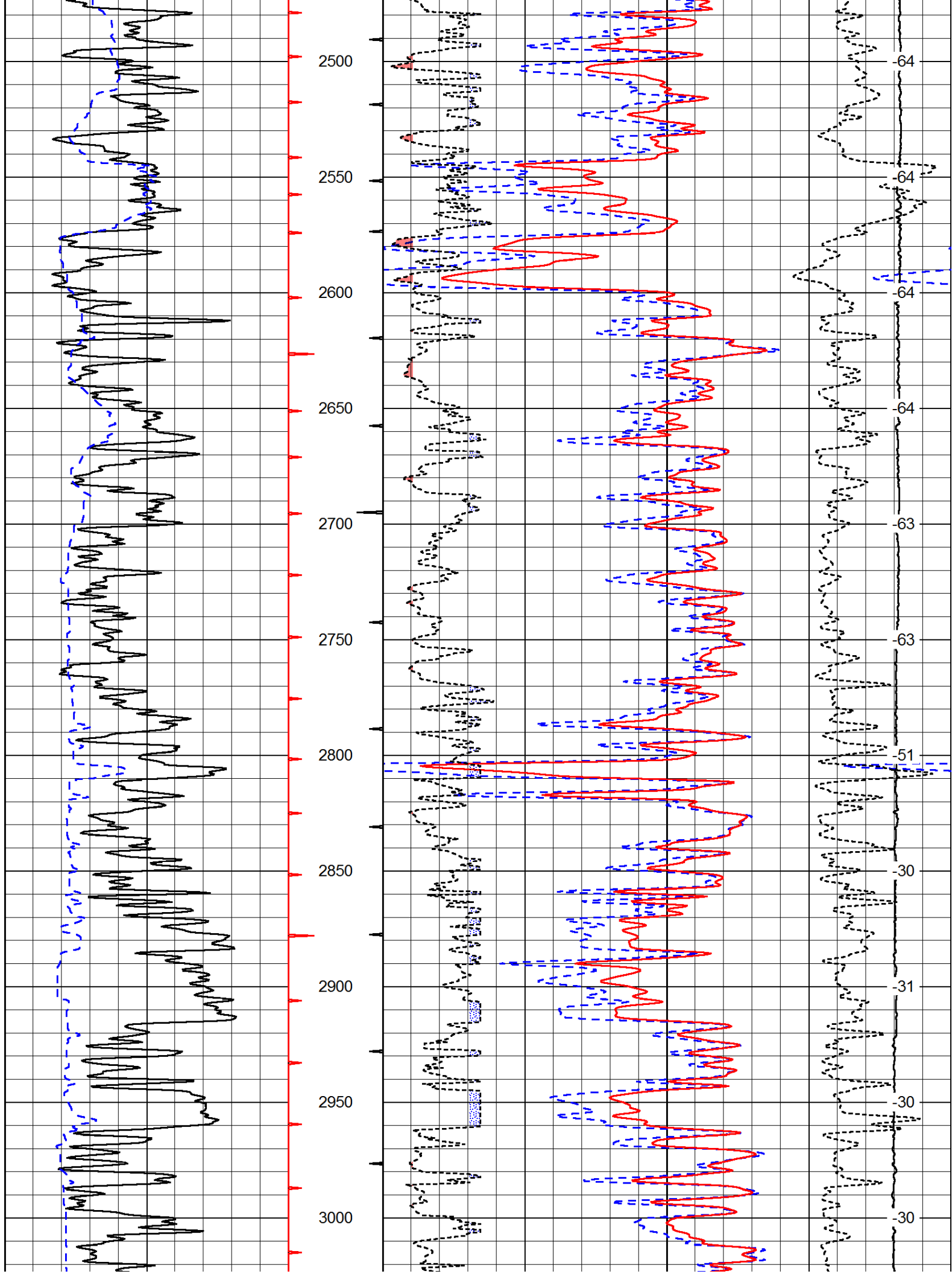
Thank you for using Pioneer Energy Services
www.pioneerres.com
 785 625 3858
 Plainville (Hwy 183 & 18),
 5 1/2 West to 12 Rd, 2 South,
 West into

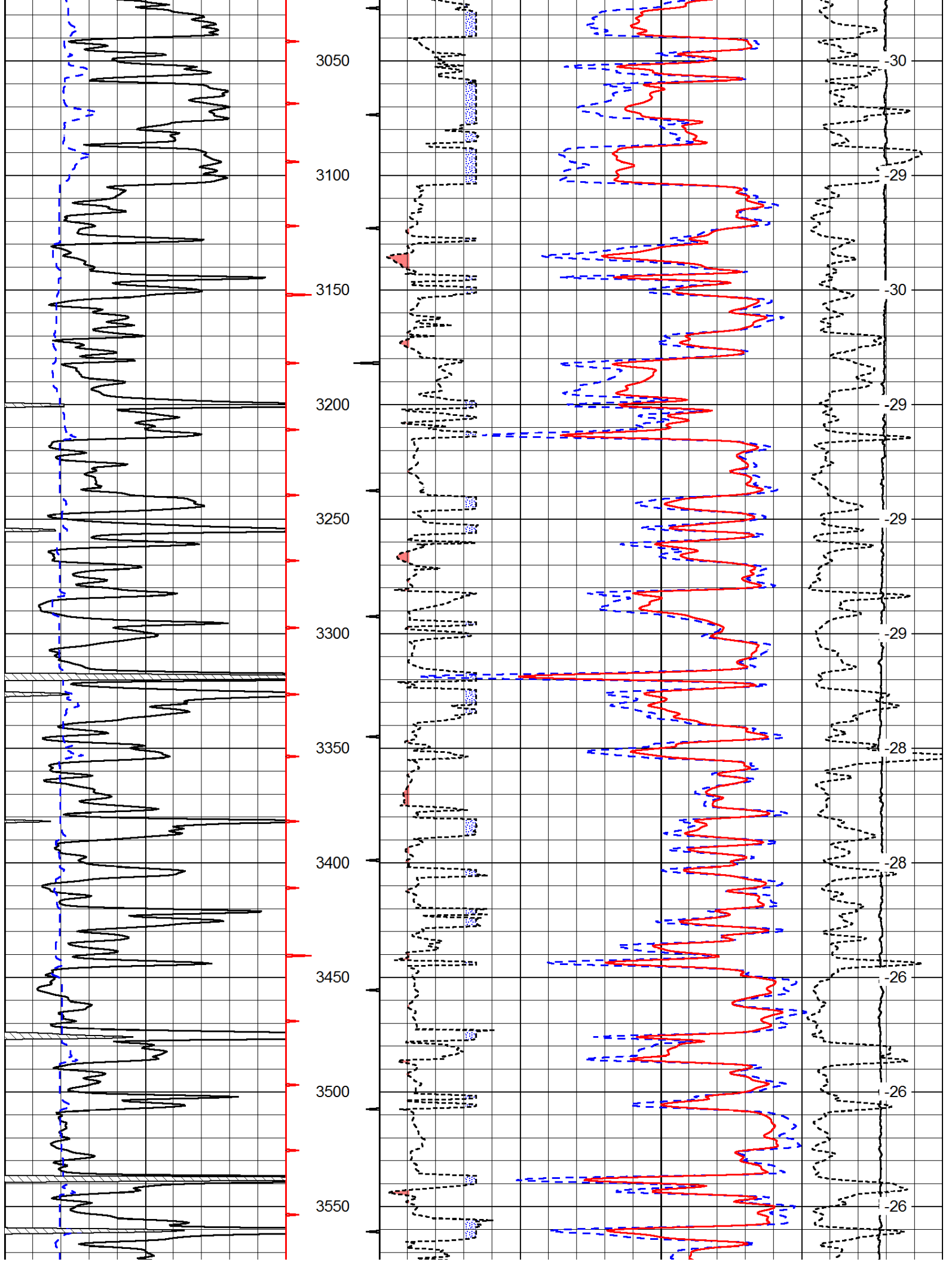
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 Dataset Pathname: dil/awstack
 Presentation Format: cdl
 Dataset Creation: Mon Sep 03 21:45:26 2012
 Charted by: Depth in Feet scaled 1:600

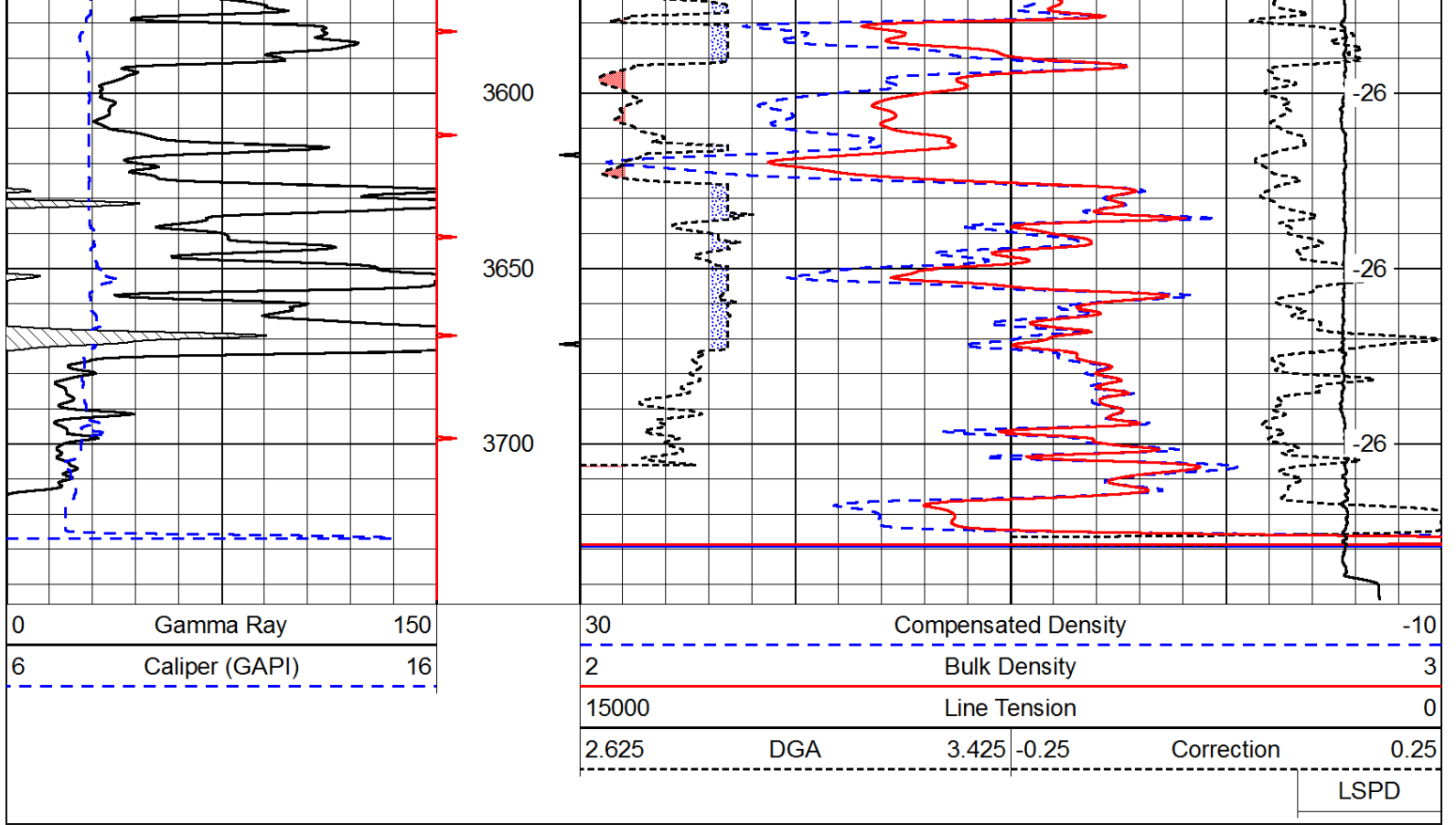
0	Gamma Ray	150
6	Caliper (GAPI)	16

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_hammerschmidt #1-11\amwar_090312hd.db
 Dataset Pathname: dil/awstack
 Presentation Format: cndlspec
 Dataset Creation: Mon Sep 03 21:45:26 2012
 Charted by: Depth in Feet scaled 1:240

