



Pioneer Energy Services

## Dual Compensated Porosity Log

API No.	15-135-25,706-00-00		
Company	American Warrior, Inc.		
Well	RDT Unit No. 1		
Field	Wildcat		
County	Ness		
Location	2,640' FSL & 2,070' FWL		
	Sec: 21	Twp: 18S	Rge: 22W
Other Services	DIL		

Permanent Datum	Ground Level	Elevation 2241
Log Measured From	Kelly Bushing	6 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	12/17/2013	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4420	
Depth Logger	4419	
Bottom Logged Interval	4398	
Top Logged Interval	3600	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	4900	
Density	9.4	
Level	Full	
Max. Rec. Temp. F	120	
Operating Rig Time	2 1/2 Hours	
Equipment -- Location	108 Hays	
Recorded By	J. Long	
Witnessed By	Jason Alm	

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	225	8.625	23#	00	225
Two	7.875	225	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

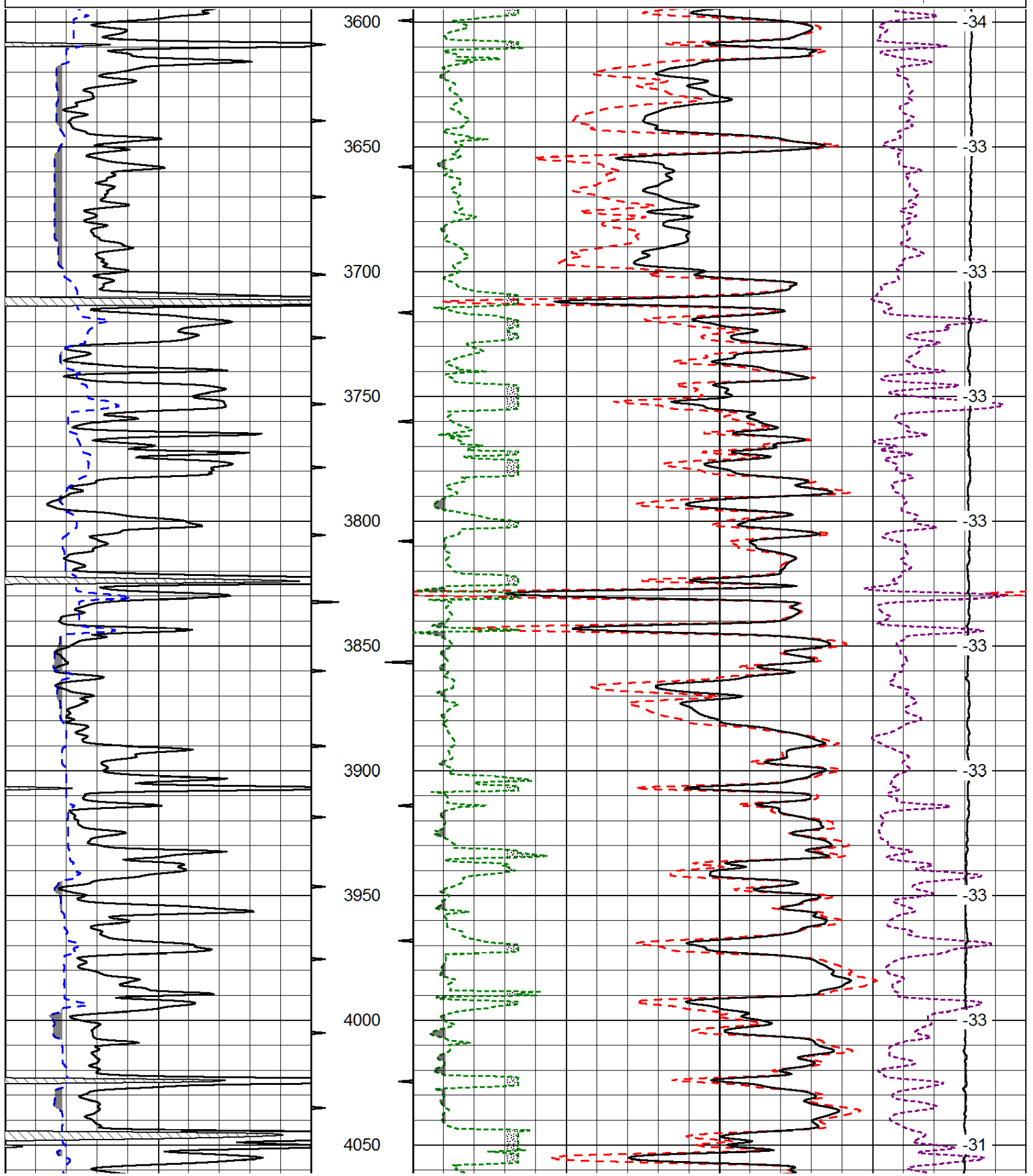
Bazine, 3 West to AA Road, 1 North, 1/2 West, 1/2 North, West Into

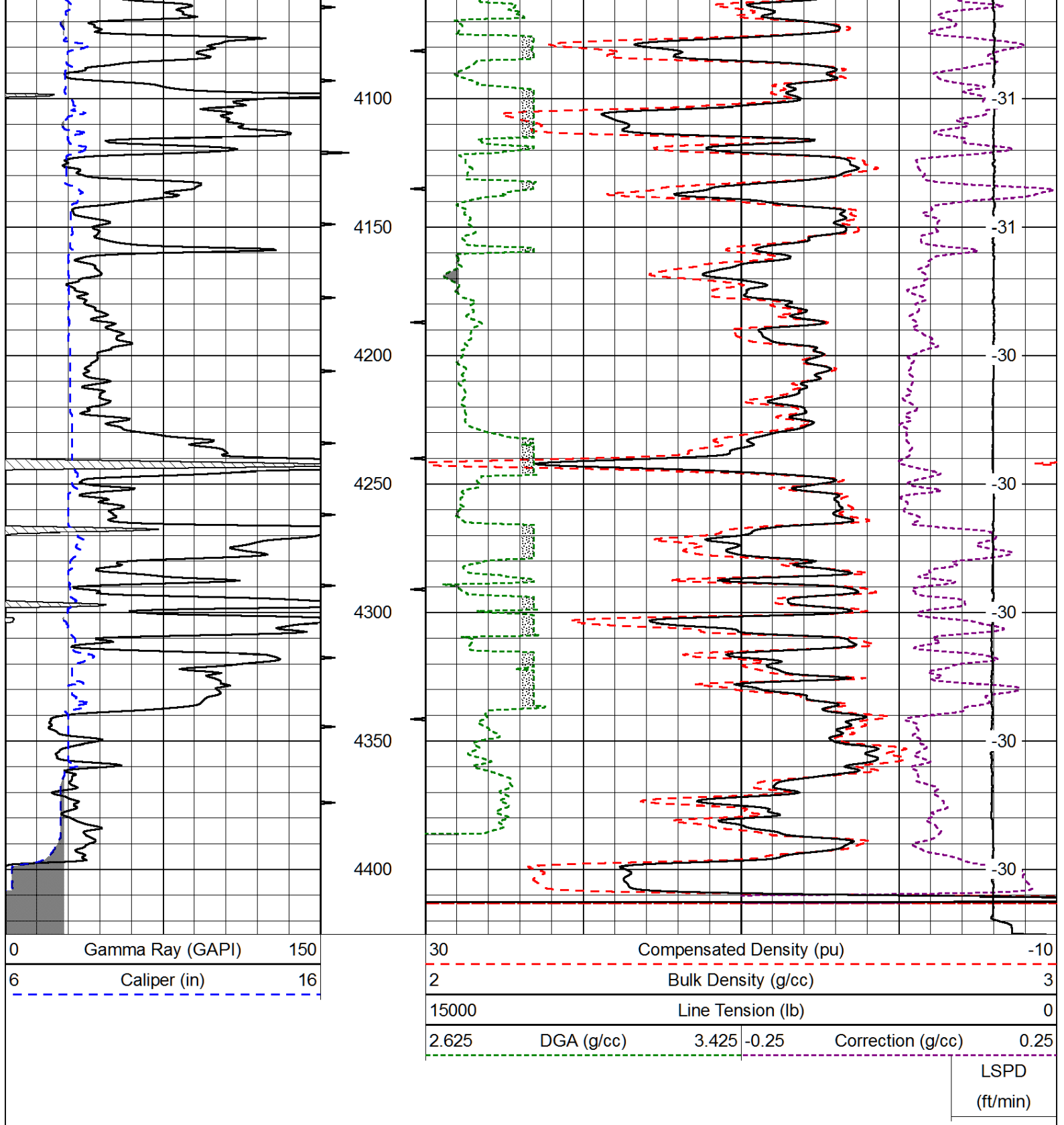
Database File: amwarrior\_rdt\_unit\_1hd.db  
 Dataset Pathname: dil/awstck  
 Presentation Format: cdl  
 Dataset Creation: Wed Dec 18 00:54:54 2013  
 Charted by: Depth in Feet scaled 1:600

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

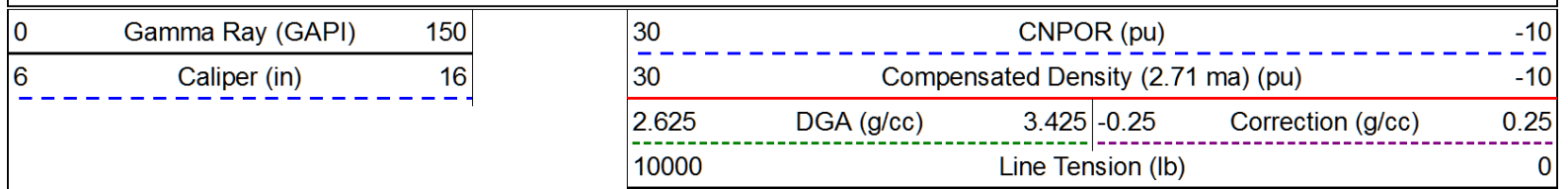
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
			Correction (g/cc)
			0.25

LSPD  
(ft/min)





Database File: amwarrior\_rdt\_unit\_1hd.db  
 Dataset Pathname: dil/awstck  
 Presentation Format: cndlspec  
 Dataset Creation: Wed Dec 18 00:54:54 2013  
 Charted by: Depth in Feet scaled 1:240



LSPD  
(ft/min)

