



Pioneer Energy Services

## Dual Compensated Porosity Log

API No.	15-135-25,465-00-00		
Company	American Warrior, Inc.		
Well	Goodman #2-34		
Field	Unknown		
County	Ness		
State	Kansas		
Location	2453' FSL & 1065' FWL		
Sec: 34	Twp: 20 S	Rge: 26 W	
Permanent Datum	Ground Level	Elevation 2445	
Log Measured From	Kelly Bushing	13	Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing		
Date	8/27/2012	Elevation K.B. 2458 D.F. 2445 G.L. 2445	
Run Number	One	Other Services DIL/MEL	
Type Log	CNL / CDL		
Depth Driller	4540		
Depth Logger	4540		
Bottom Logged Interval	4519		
Top Logged Interval	3600		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	5,500		
Density	9.2		
Level	Full		
Max. Rec. Temp. F	123		
Operating Rig Time	4 1/2 Hours		
Equipment -- Location	91 Hays		
Recorded By	K. Bange		
Witnessed By	Kevin Timson		

Borehole Record				Casing Record			
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	267	8.625	23#	00	267
Two	7.875	267	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.

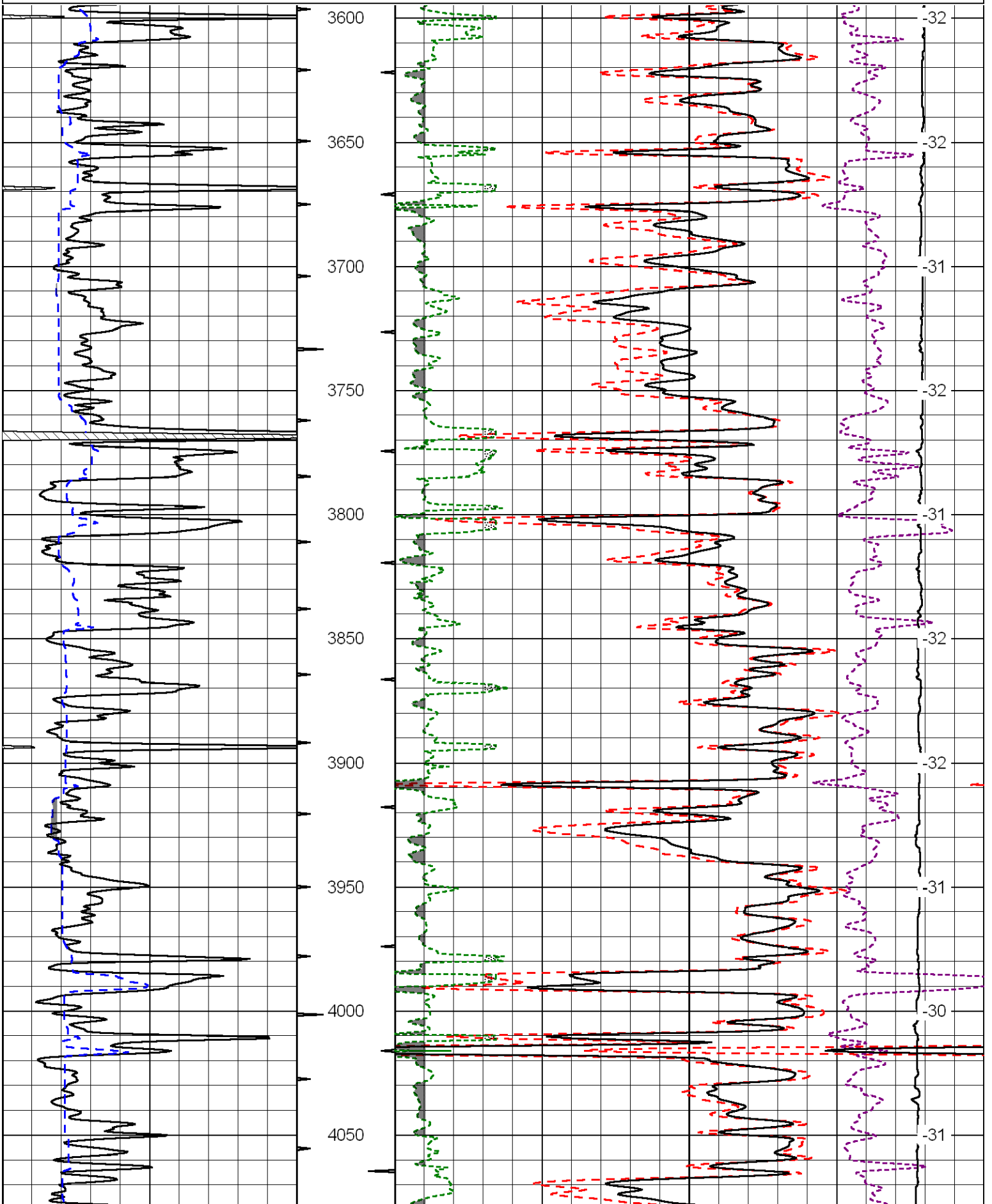
Comments

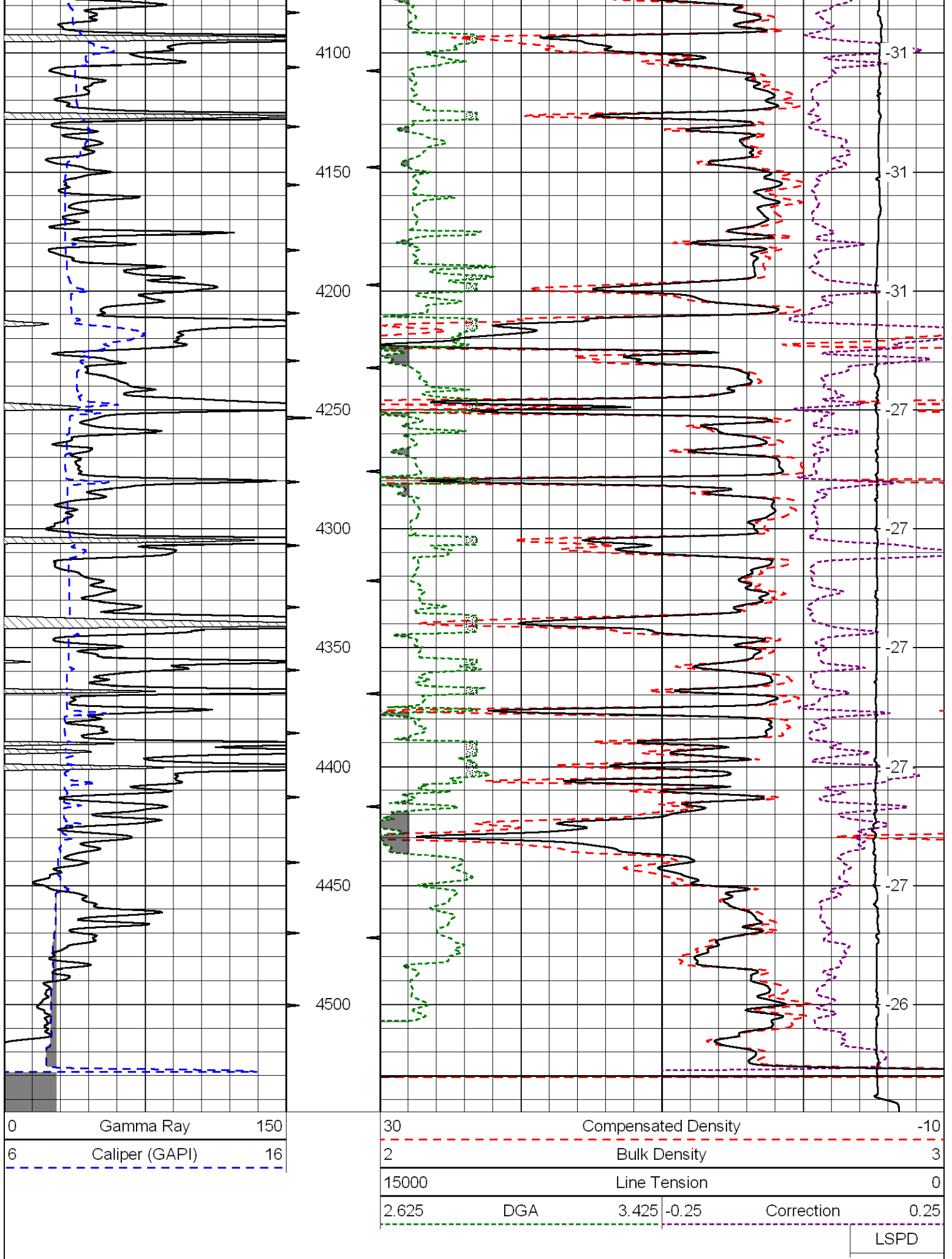
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
  
 Beeler (E edge),  
 12 1/2 S, E into

Database File: amwar082712hd.db  
 Dataset Pathname: dil/awstack1  
 Presentation Format: cdl  
 Dataset Creation: Tue Aug 28 01:18:35 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: amwar082712hd.db  
 Dataset Pathname: dil/awstack1  
 Presentation Format: cndlSpec  
 Dataset Creation: Tue Aug 28 01:18:35 2012  
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0

LSPD

