



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.	Company American Warrior, Inc. Well Strecker No. 5 - 6 Field DeWald North County Ness State Kansas									
15-135-25,446-00-00	Location 950' FSL & 775' FWL					Other Services DIL				
	Sec: 6 Twp: 19 S Rge: 21 W					Elevation K.B. 2155 D.F. 2147 G.L. 2147				
	Permanent Datum Ground Level Elevation 2147 Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum Drilling Measured From Kelly Bushing									
Date	8/15/2012									
Run Number	One									
Type Log	CNL / CDL									
Depth Driller	4275									
Depth Logger	4280									
Bottom Logged Interval	4260									
Top Logged Interval	3500									
Type Fluid In Hole	Chemical									
Salinity, PPM CL	6,100									
Density	9.4									
Level	Full									
Max. Rec. Temp. F	119									
Operating Rig Time	31 1/2 Hours									
Equipment -- Location	17 Hays									
Recorded By	D. Martin									
Witnessed By	Jason Alm									
Borehole Record					Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To			
One	12.25	0	223	8.625	24#	0	223			
Two	7.875	223	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.

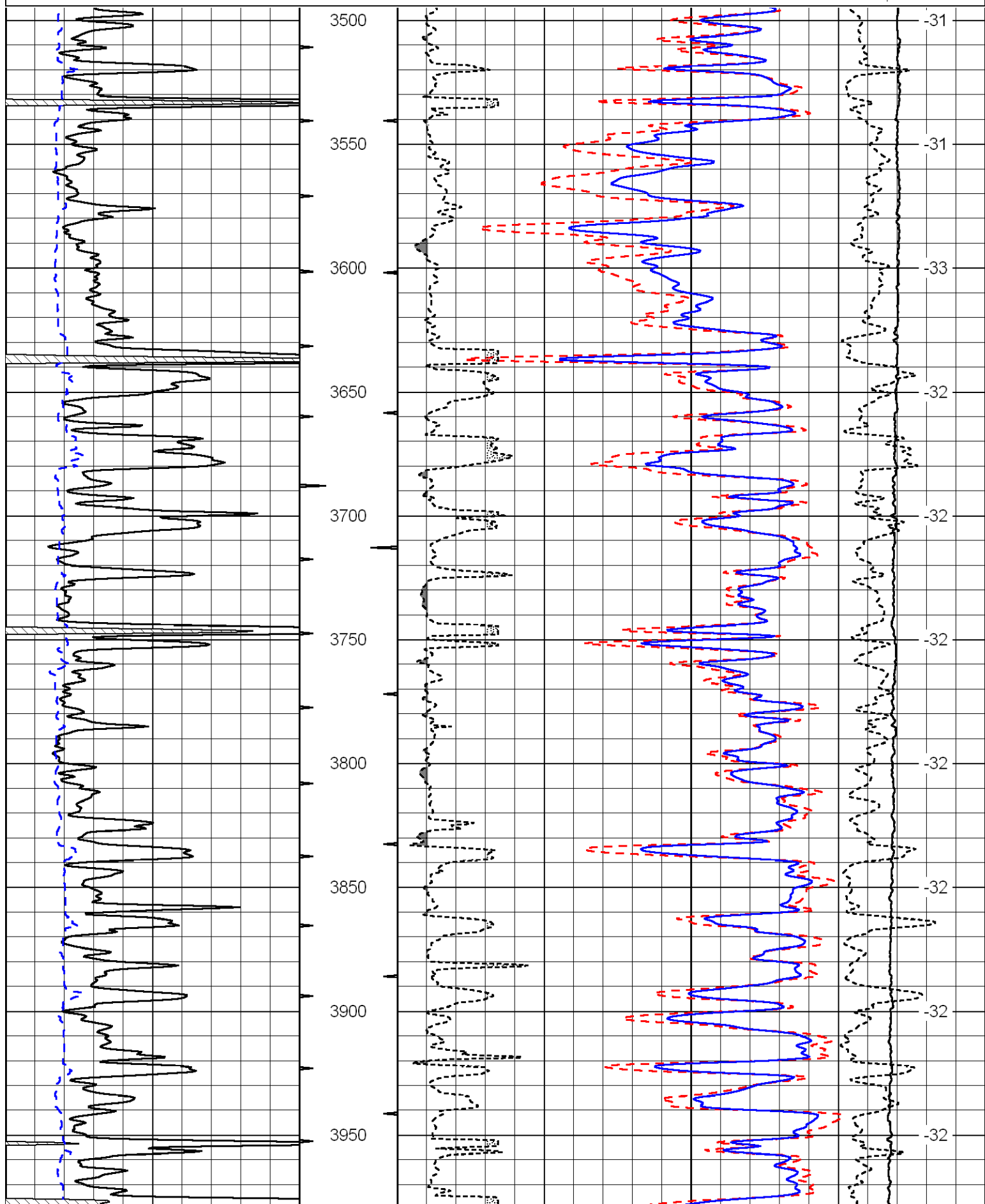
Comments

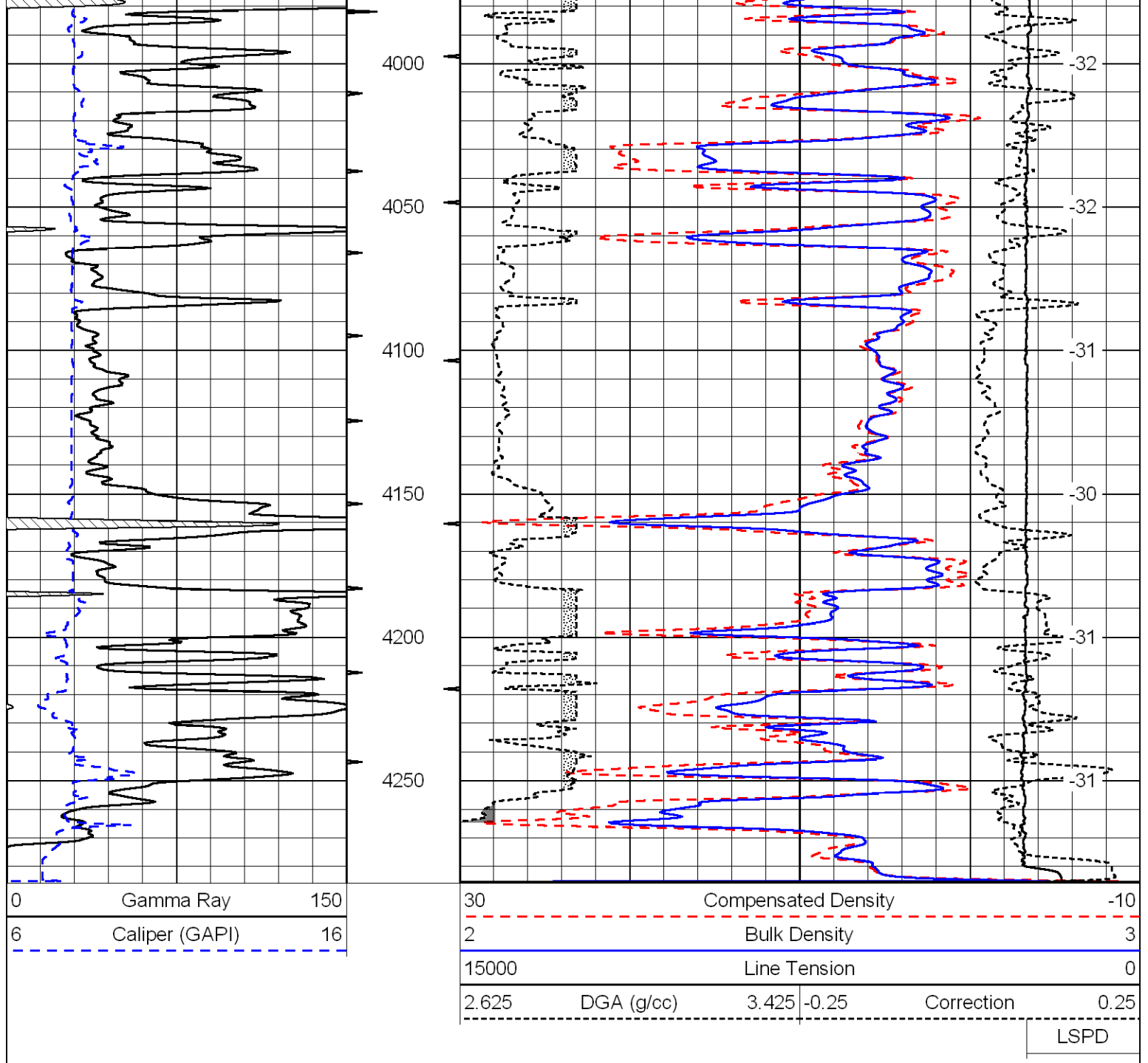
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Bazine, KS
W Edge of town, 2 S to 110 Rd.,
1/4 E, NW Into

Database File: c:\warrior\data\amwar_strecker_#5-6\amwarhd.db
Dataset Pathname: DIL/amwastk
Presentation Format: cdl
Dataset Creation: Thu Aug 16 10:41:24 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 (g/cc)	3.425	-0.25	Correction	0.25
					LSPD





Database File: c:\warrior\data\amwar_strecker_#5-6\amwarhd.db
 Dataset Pathname: DIL/amwastk
 Presentation Format: cndlspec
 Dataset Creation: Thu Aug 16 10:41:24 2012
 Charted by: Depth in Feet scaled 1:240

