



Pioneer Energy Services

Dual Compensated Porosity Log

Company American Warrior, Inc.
Well Neeley # 10-33
Field Congdon
County Finney
State Kansas

Location 1197' FSL & 339' FEL
 Sec: 33 Twp: 23 S Rge: 32 W

Permanent Datum Ground Level Elevation 2849
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing
Other Services DIL
 MEI/BHCS
Elevation K.B. 2860
 D.F. 2849
 G.L. 2849

Date	02-28-2014	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4900	
Depth Logger	4900	
Bottom Logged Interval	4879	
Top Logged Interval	3800	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	2200	
Density	9.3	
Level	Full	
Max. Rec. Temp. F	127	
Operating Rig Time	5 Hours	
Equipment -- Location	91 Hays	
Recorded By	Y. Ruiz	
Witnessed By	Kevin Timson	

Borehole Record			Casing Record				
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	1755	8.625	23#	00	1755
Two	7.875	1755	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

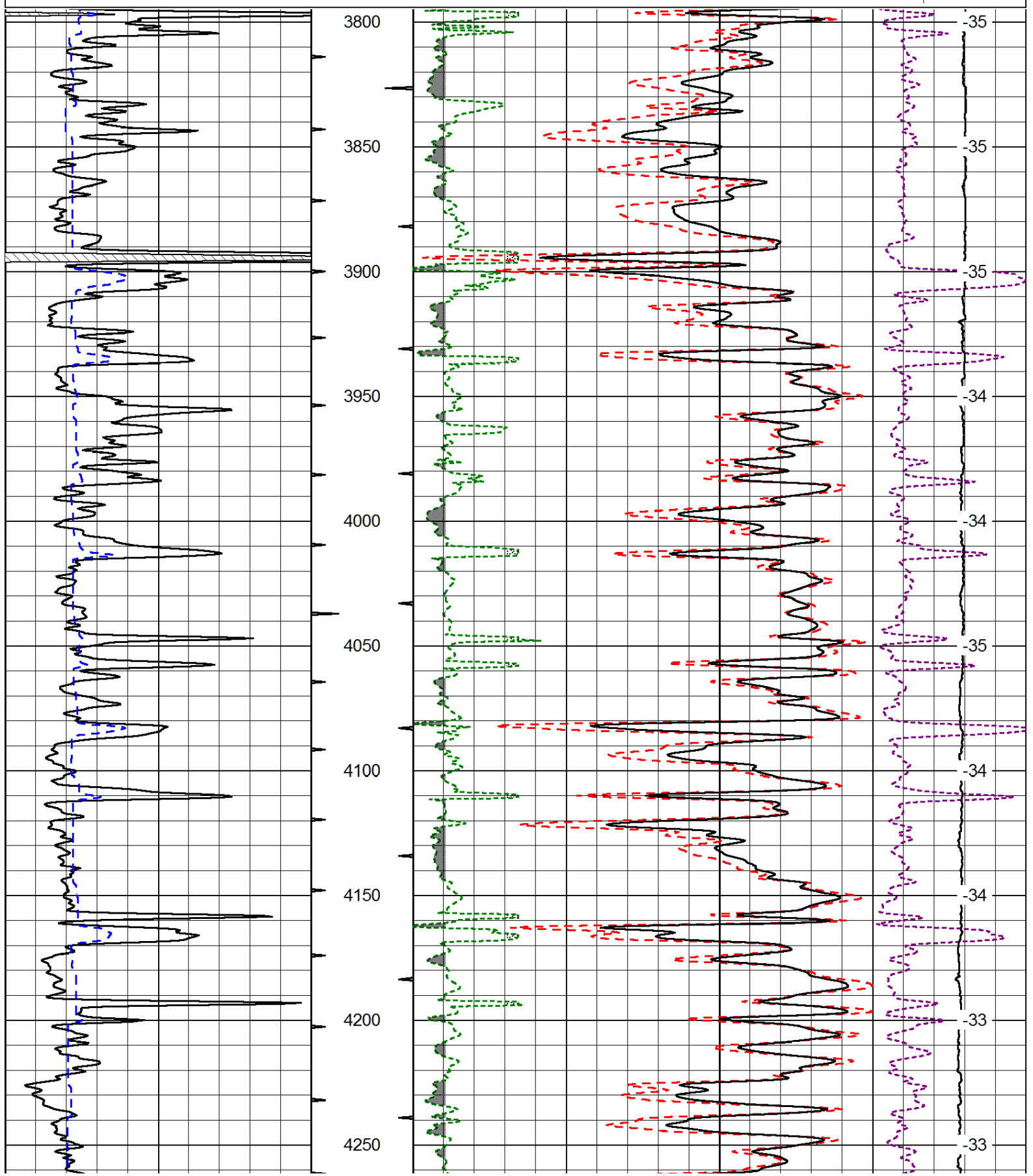
 Garden City,
 1 1/4 North on Jennie Barker,
 West and North into

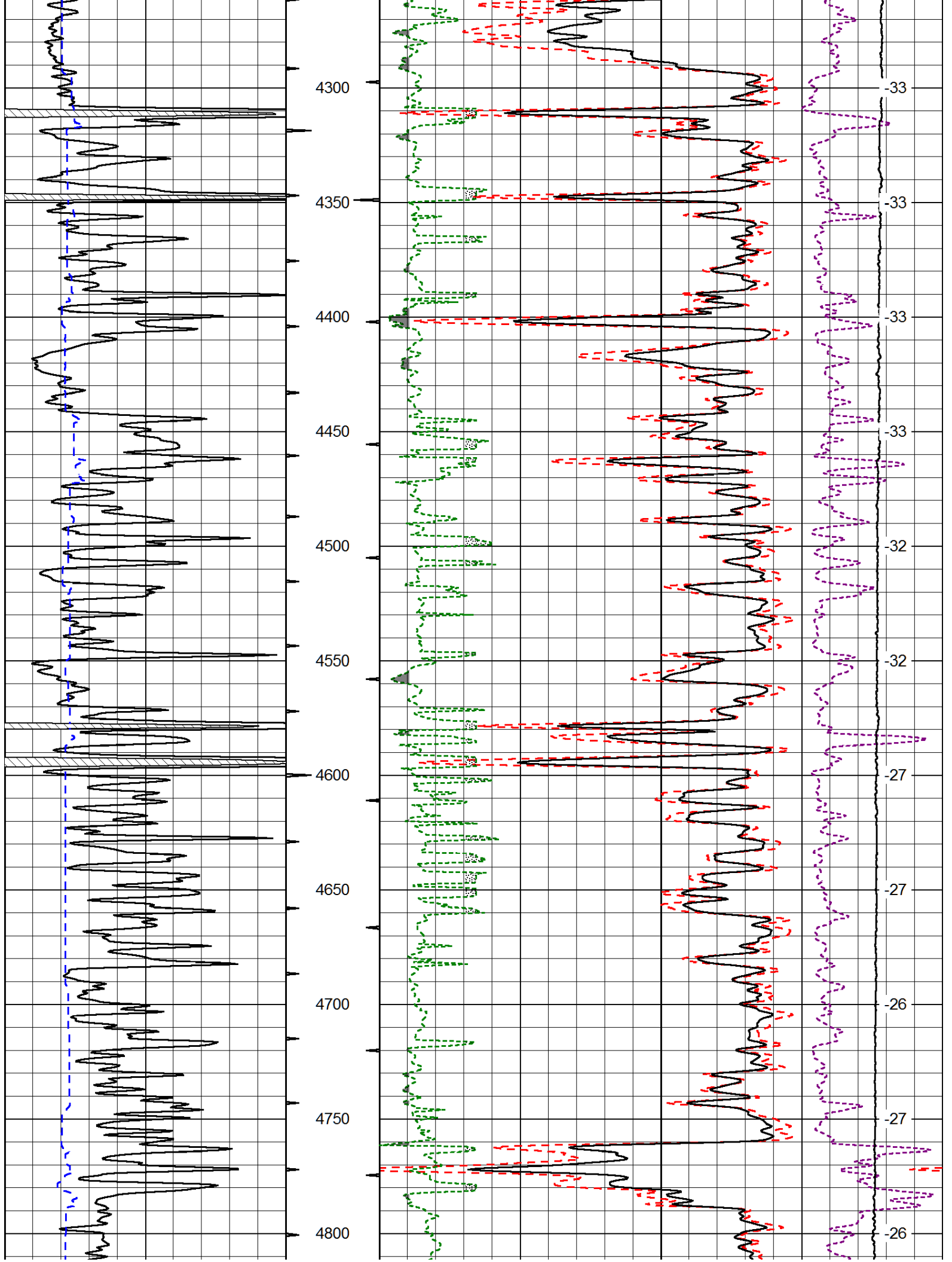
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 Dataset Pathname: DIL/awst4
 Presentation Format: cdl
 Dataset Creation: Fri Feb 28 18:32:53 2014
 Charted by: Depth in Feet scaled 1:600

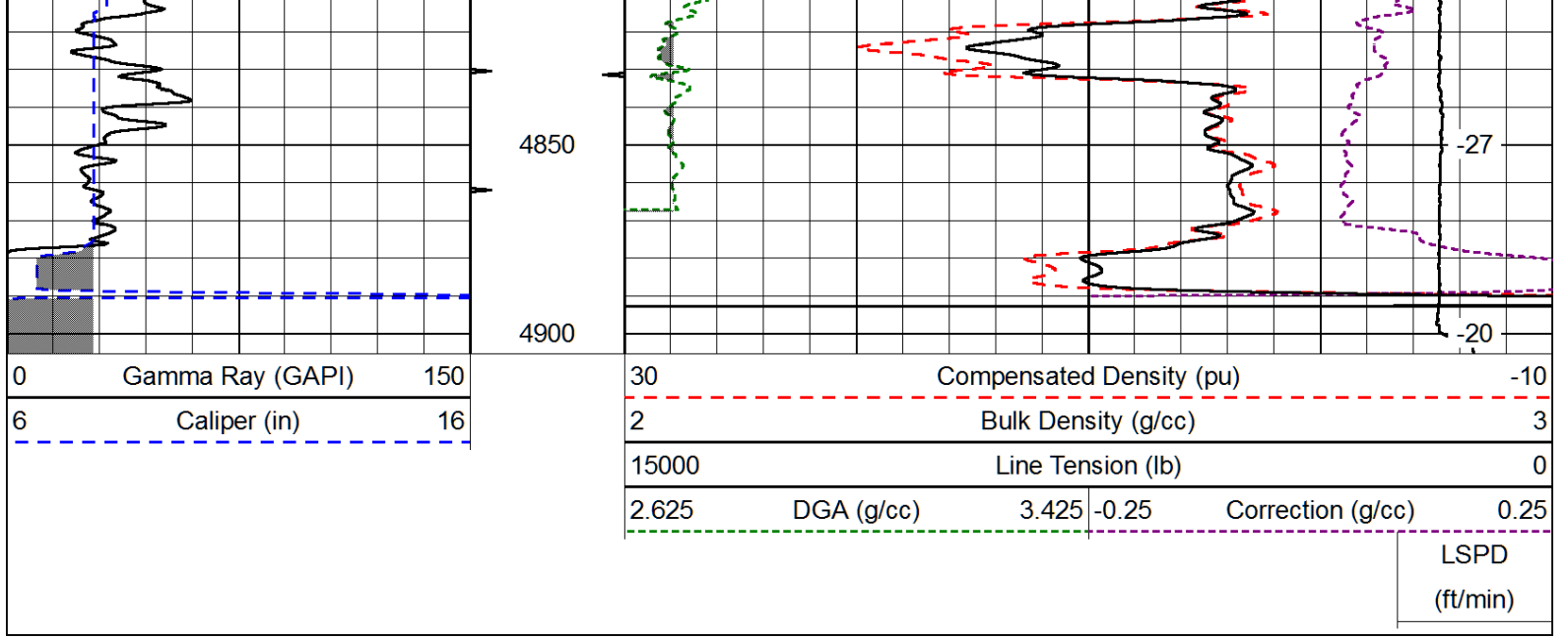
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

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: amerinan_warrior_022814hd.db
 Dataset Pathname: DIL/awst4
 Presentation Format: cndlspec
 Dataset Creation: Fri Feb 28 18:32:53 2014
 Charted by: Depth in Feet scaled 1:240

