



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.		Company American Warrior, Inc.													
15-055-22387-00-00		Well		O'Brate-Finney #6-5											
		Field		Wildcat											
		County		Finney				State Kansas							
		Location		357' FNL & 2497' FEL											
		Sec: 5		Twp: 23S				Rge: 32W							
Permanent Datum		Ground Level		Elevation 2861		Other Services DIL MEL									
Log Measured From		Kelly Bushing		11 Ft. Above Perm. Datum		Elevation K.B. 2872 D.F. G.L. 2861									
Drilling Measured From		Kelly Bushing													
Date		3/30/2015													
Run Number		One													
Type Log		CNL / CDL													
Depth Driller		4950													
Depth Logger		4949													
Bottom Logged Interval		4928													
Top Logged Interval		3700													
Type Fluid In Hole		Chemical													
Salinity, PPM CL		4200													
Density		9.45													
Level		Full													
Max. Rec. Temp. F		126													
Operating Rig Time		3 Hours													
Equipment -- Location		15 Hays													
Recorded By		D.Kerr													
Witnessed By		Luke Thompson													
Run No		Bit		From		To		Size		Wgt.		From		To	
1		12.25		00		1774		8.625		24#		00		1774	
2		7.875		1774		4950									

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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

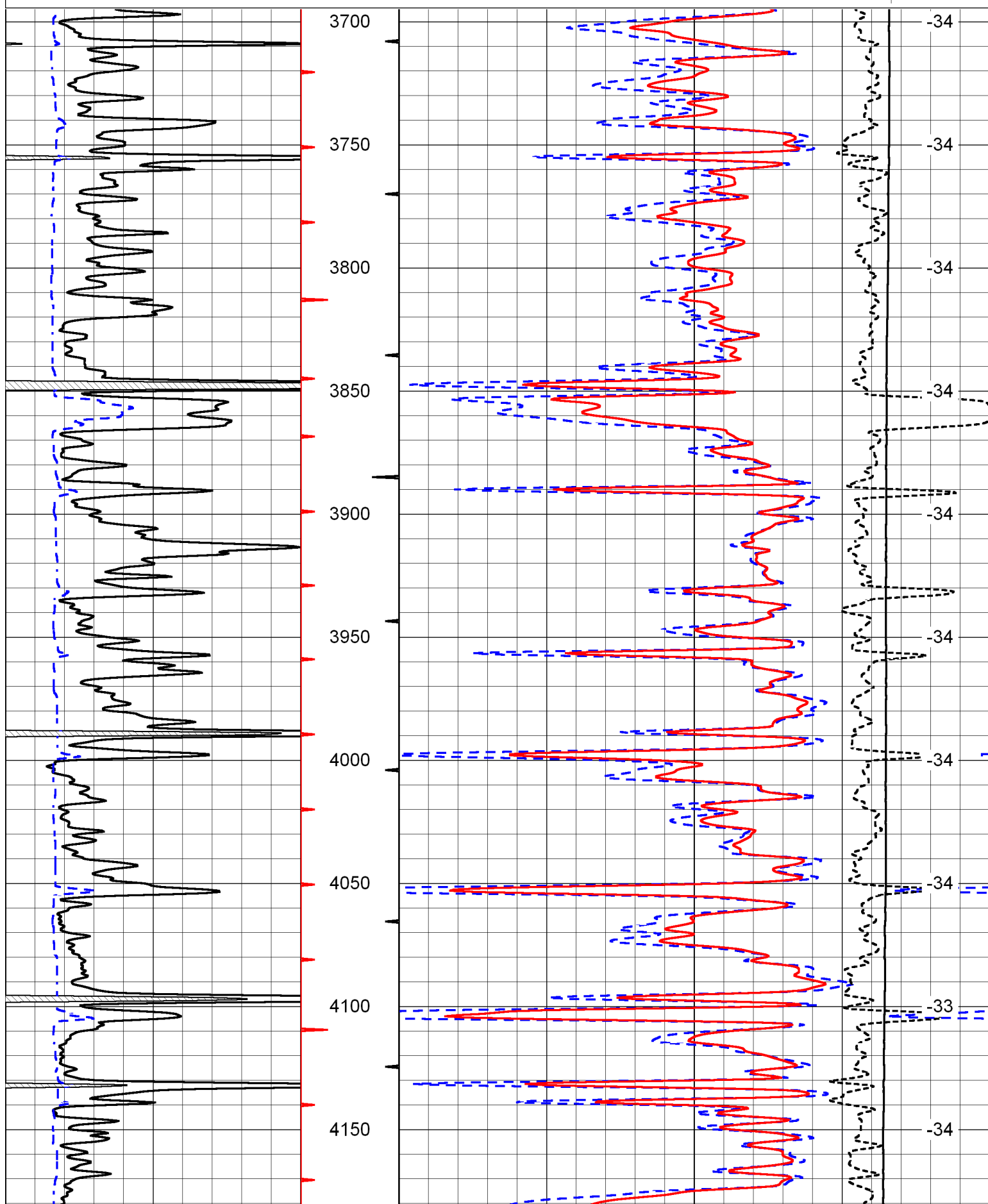
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

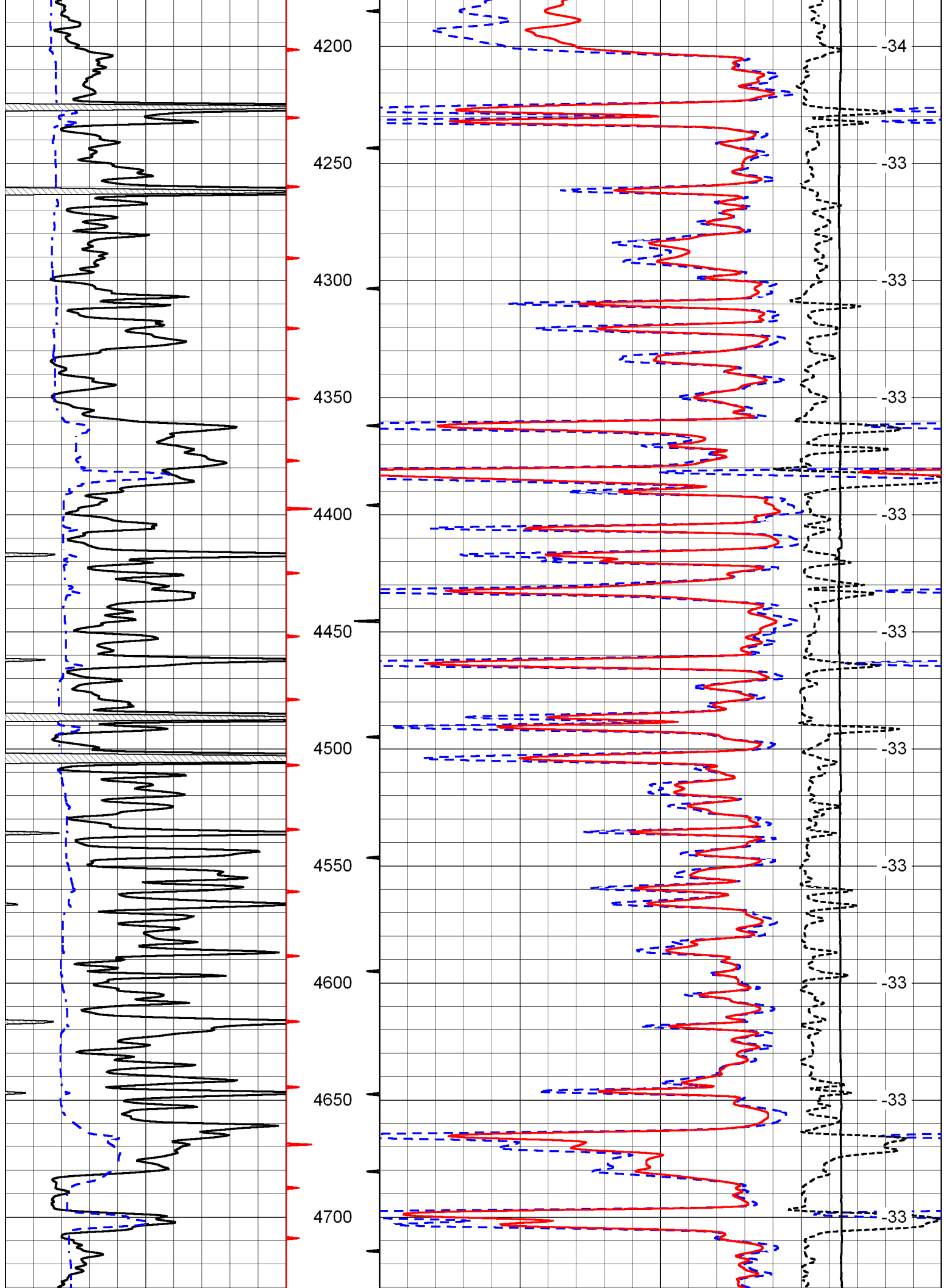
Garden City KS, 5 North to Six Mile RD,
1 East to 3rd Ave. 1 1/2 North, East Into

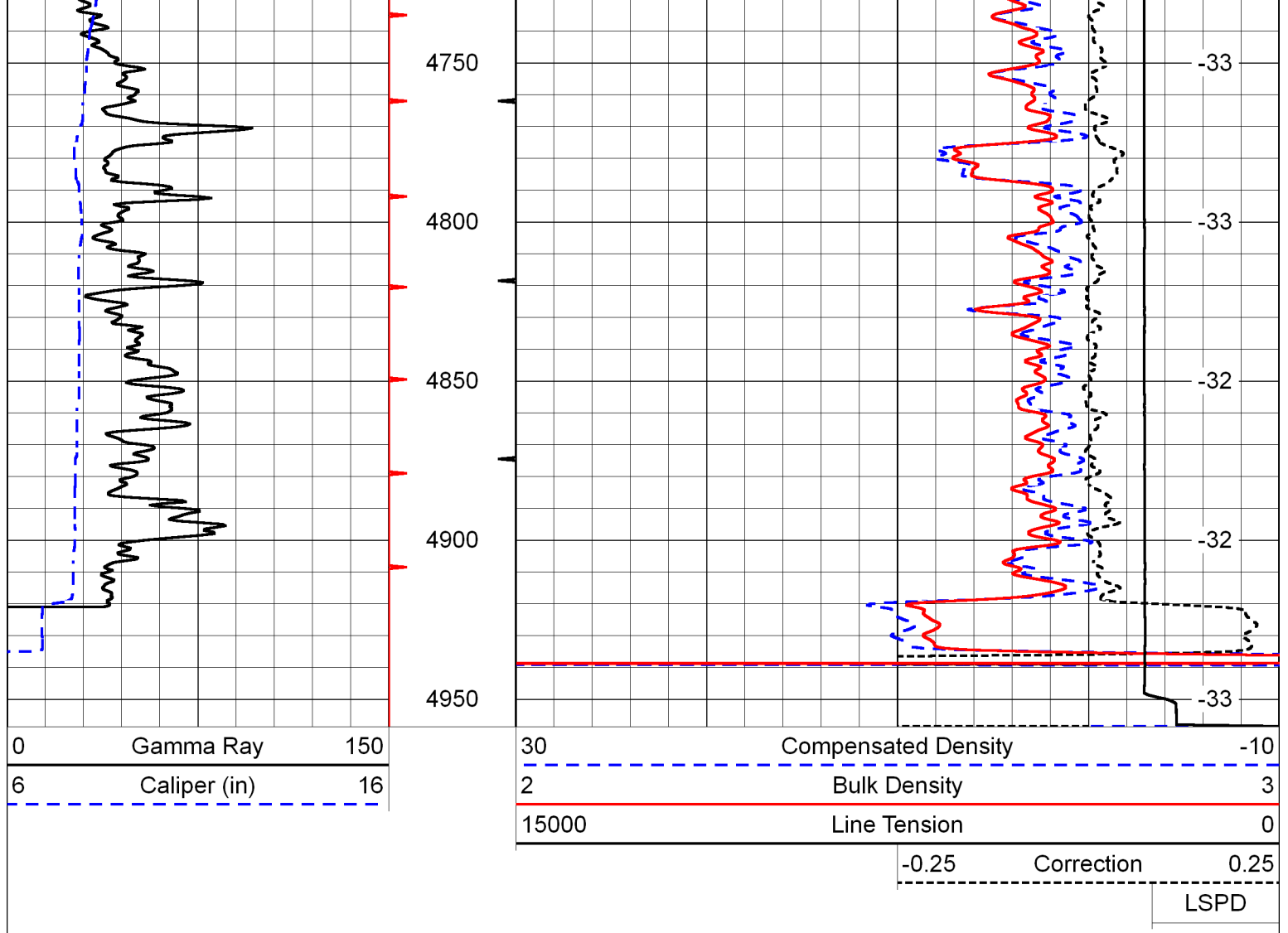
Database File	amwar_o'brate-finney #6-5\amwarrior_obratfinney_6_5hd.db
Dataset Pathname	DIL/awmel
Presentation Format	cdl
Dataset Creation	Mon Mar 30 16:06:39 2015
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (in)	16

30	Compensated Density	-10
2	Bulk Density	3
15000	Line Tension	0
	-0.25	0.25
	Correction	
		LSPD







Database File		amwar_o'brate-finney #6-5\amwarrior_obratfinney_6_5hd.db	
Dataset Pathname		DIL/awmel	
Presentation Format		cnldspec	
Dataset Creation		Mon Mar 30 16:06:39 2015	
Charted by		Depth in Feet scaled 1:240	

0	Gamma Ray	150	30	Compensated Neutron (Limestone)	-10
6	Caliper (in)	16	30	Compensated Density (Limestone)	-10
			15000	Line Tension	0
			-0.25	Correction	0.25
			LSPD		

