



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-187-21,281-00-00

Company Landmark Resources, Inc.
Well Garman # 1-11 R
Field Beauchamp Northeast
County Stanton State Kansas

Location NW-NE-NE-SE
2373' FSL & 456' FEL
Sec: 11 Twp: 30S Rge: 41W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 3362
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 3373
D.F.
G.L. 3362

Date 6/26/2014

Run Number One

Type Log CNL / CDL

Depth Driller 5570

Depth Logger 5536

Bottom Logged Interval 5515

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 800

Density 9.3

Level Full

Max. Rec. Temp. F 132

Operating Rig Time 5 Hours

Equipment -- Location 17 Days

Recorded By C. Desaire

Witnessed By Larry Nicholson

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	1780	8.625	24#	00	1780
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2	7.875	1780	5570				
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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

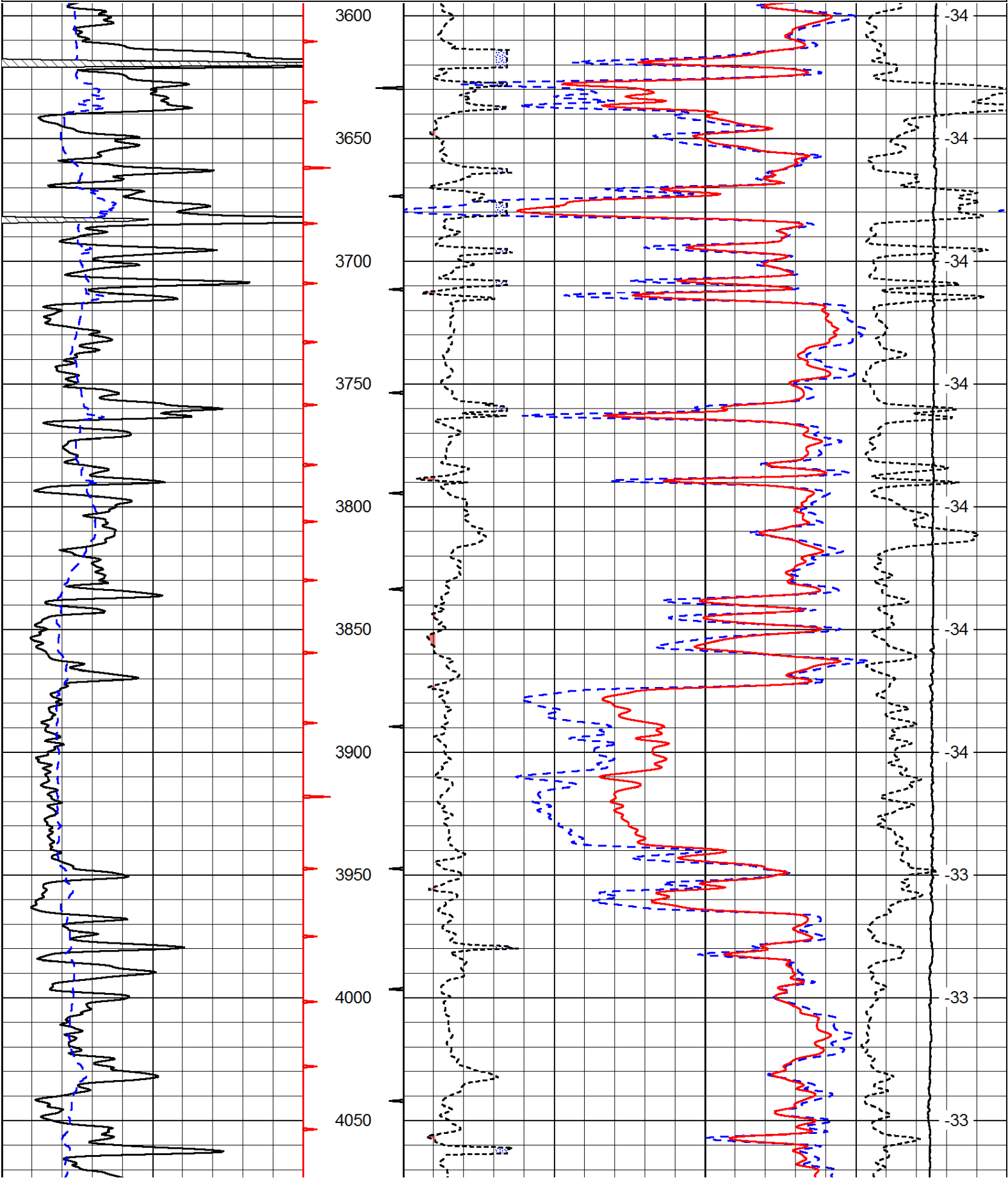
Johnson City Kansas
8 South, West Into

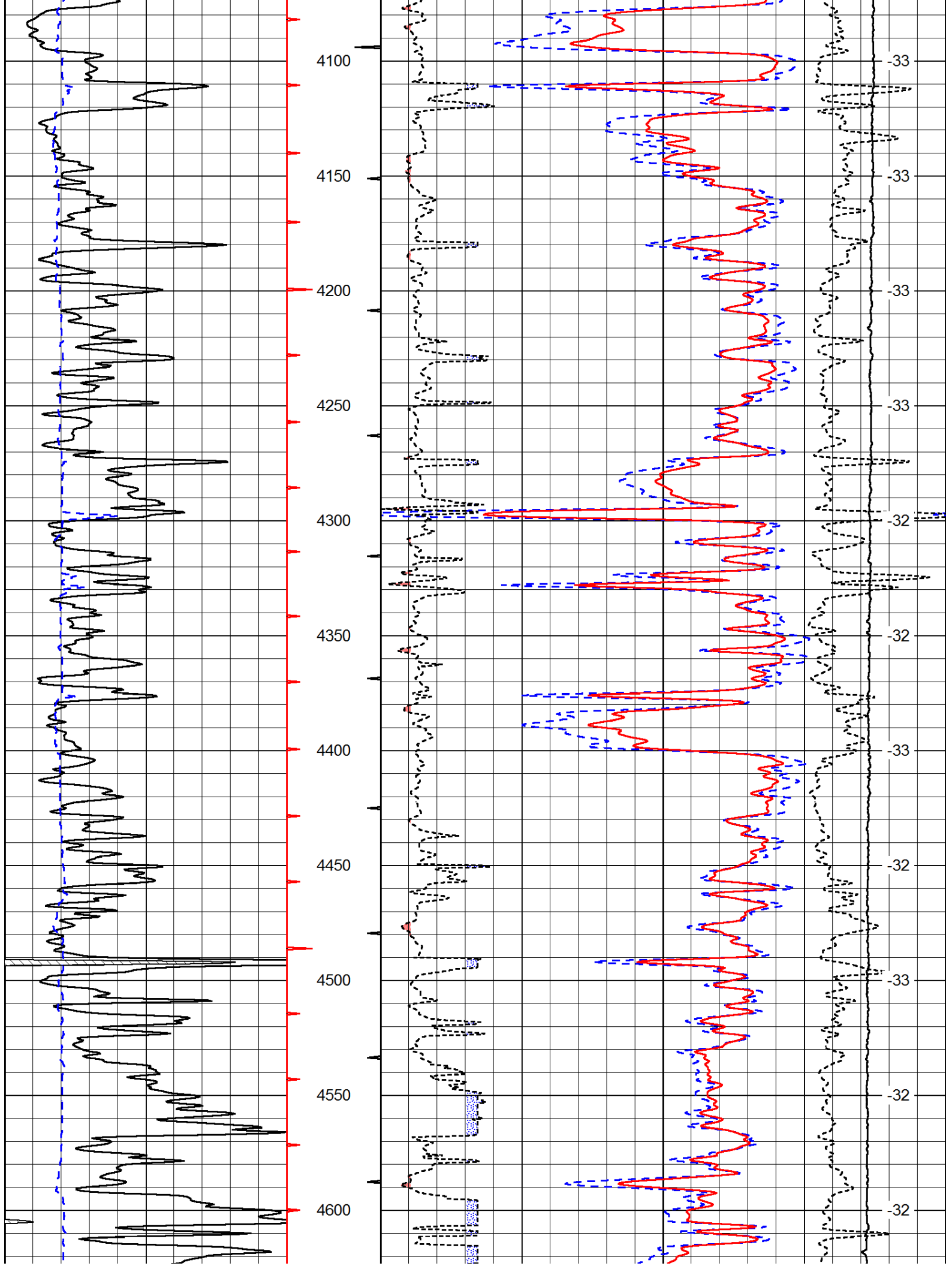
Database File: c:\warrior\data\landmark_garman # 1-11 r\landhd.db
Dataset Pathname: DIL/landstk
Presentation Format: cdl
Dataset Creation: Fri Jun 27 09:20:47 2014
Charted by: Depth in Feet scaled 1:600

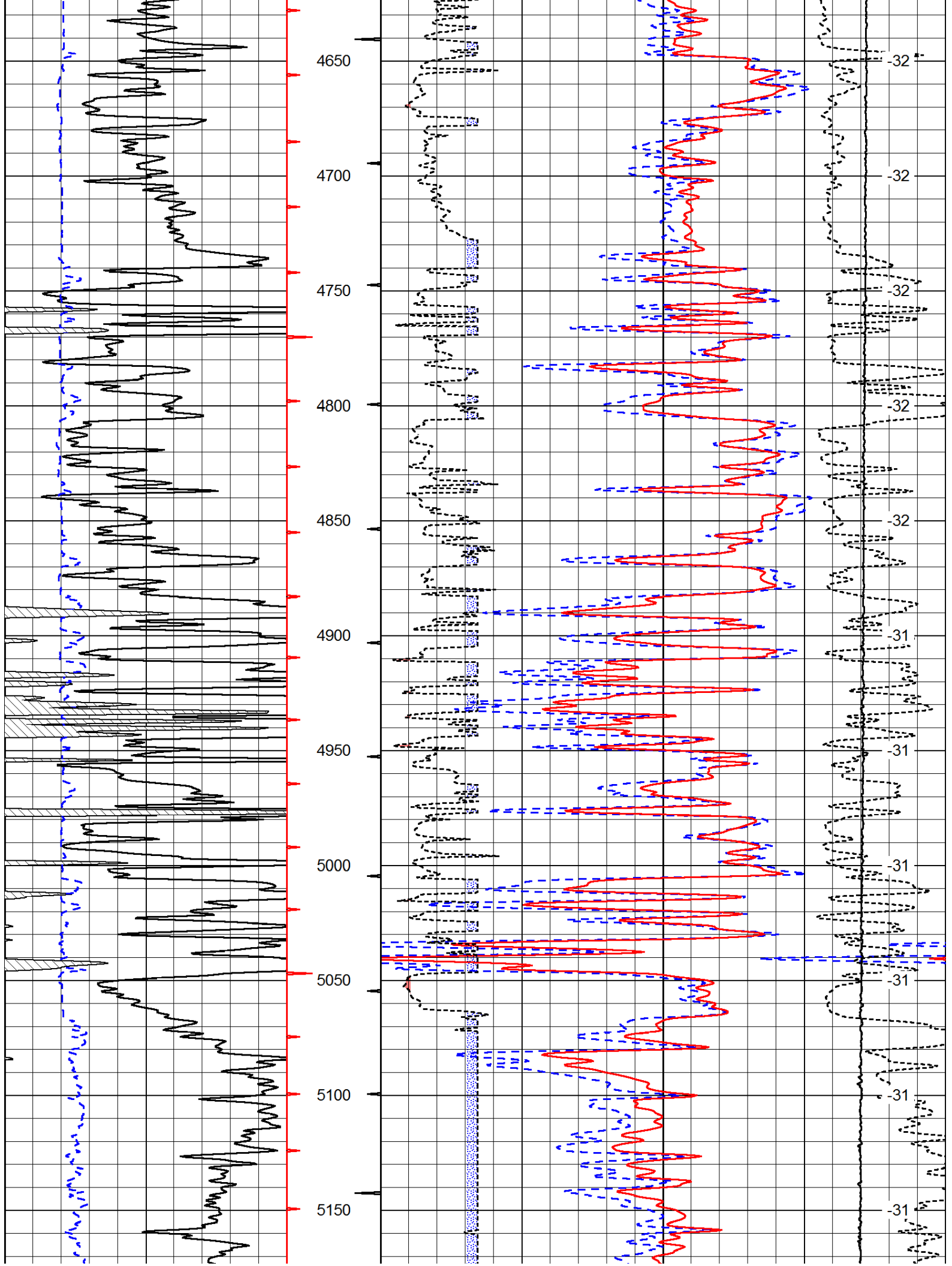
Charted by: Depth in Feet scaled 1:600

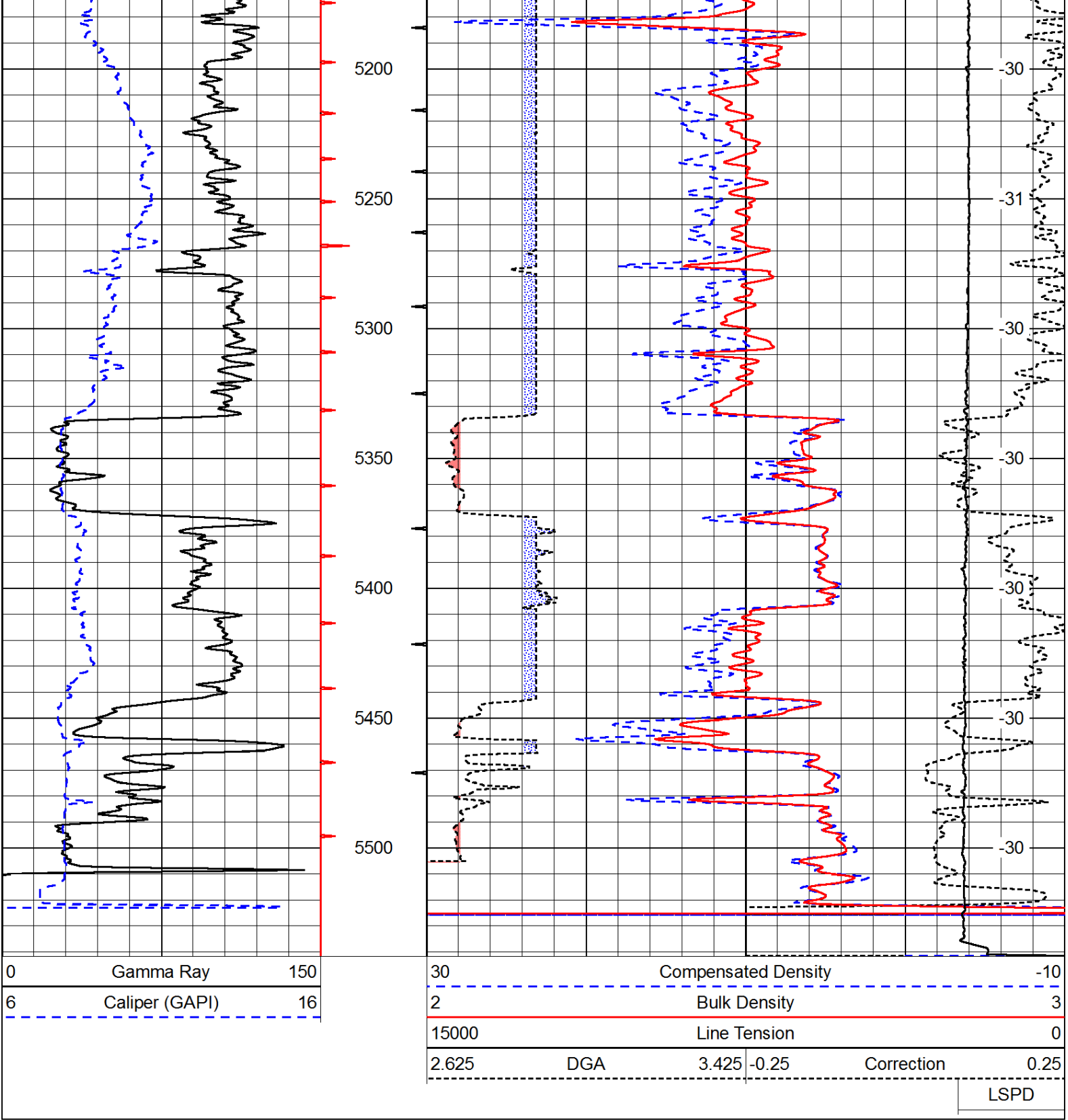
0	Gamma Ray	150
6	Caliper (GAPI)	16

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:	c:\warrior\data\landmark_garman # 1-11 r\landhd.db
Dataset Pathname:	DIL/landstk
Presentation Format:	cnldspec
Dataset Creation:	Fri Jun 27 09:20:47 2014
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray 150	30 Compensated Neutron (Limestone) -10
6 Caliper (GAPI) 16	30 Compensated Density (Limestone) -10
	2.625 DGA 3.425 -0.25 Correction 0.25
	15000 Line Tension 0
	LSPD

