



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-023-21293-00-00

Company Mid-Continent Energy Operating Co.

Well Zwegardt #1-34

Field Wildcat

County Cheyenne

State Kansas

Location

NW NW SE SE
1015' FSL & 1020' FEL

Sec: 34

Twp: 2S

Rge: 41W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 3599

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

K.B. 3604
D.F.
G.L. 3599

Date 1/25/2011

Run Number One

Type Log CNL / CDL

Depth Driller 5330

Depth Logger 5338

Bottom Logged Interval 5317

Top Logged Interval 3800

Type Fluid In Hole Chemical

Salinity, PPM CL 1000

Density 9.3

Level Full

Max. Rec. Temp. F 131

Operating Rig Time 4 Hours

Equipment -- Location 17 Hays

Recorded By R. Barnhart

Witnessed By Larry Nichols

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

1 12.25 00 305 8.625 24# 00 305

2 7.875 305 5330

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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

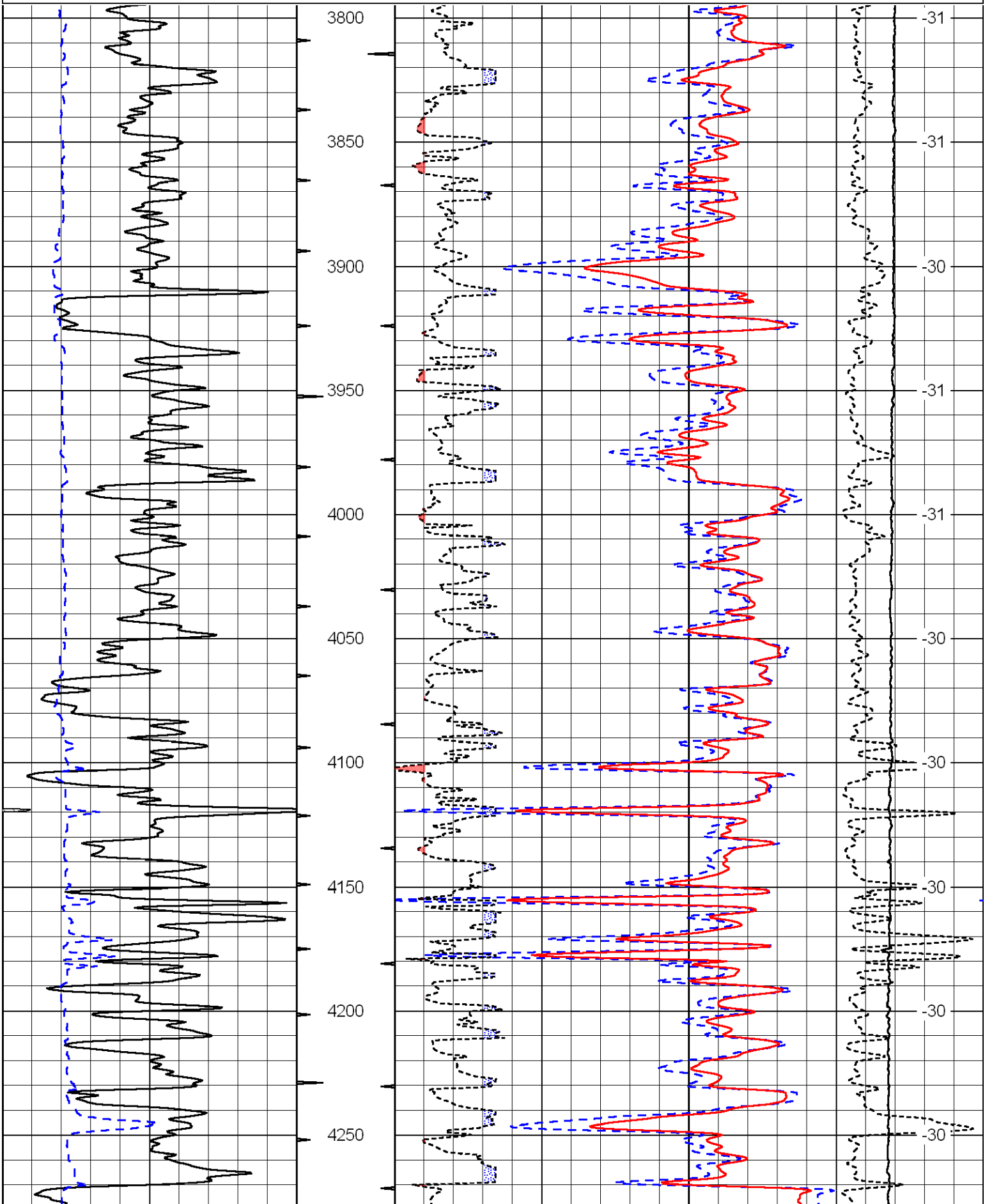
Thank you for using Log-Tech, Inc.
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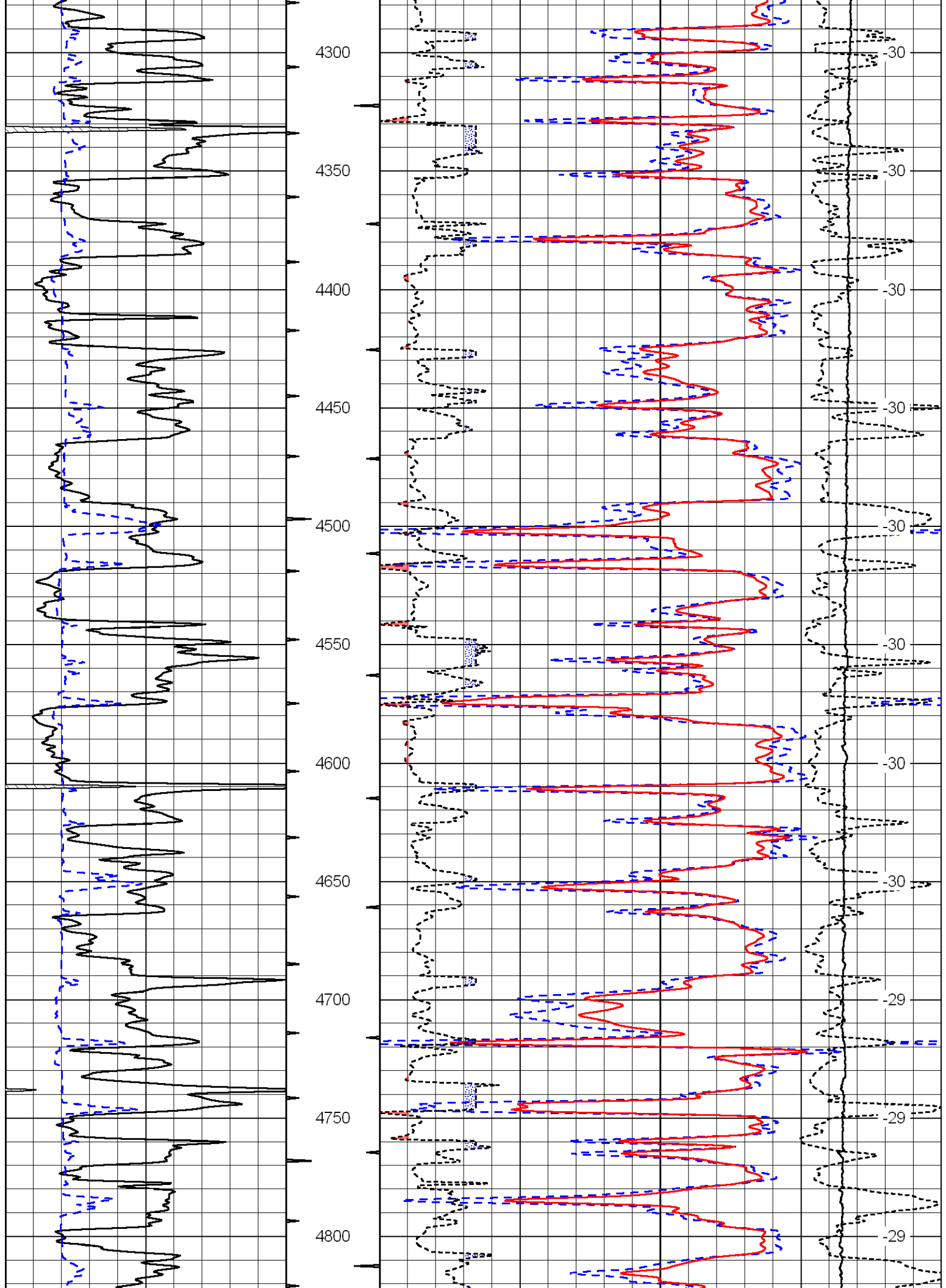
St. Francis, KS:
2W to Hwy 27, 3N, 3W, 3/4N,
1/4W, N into

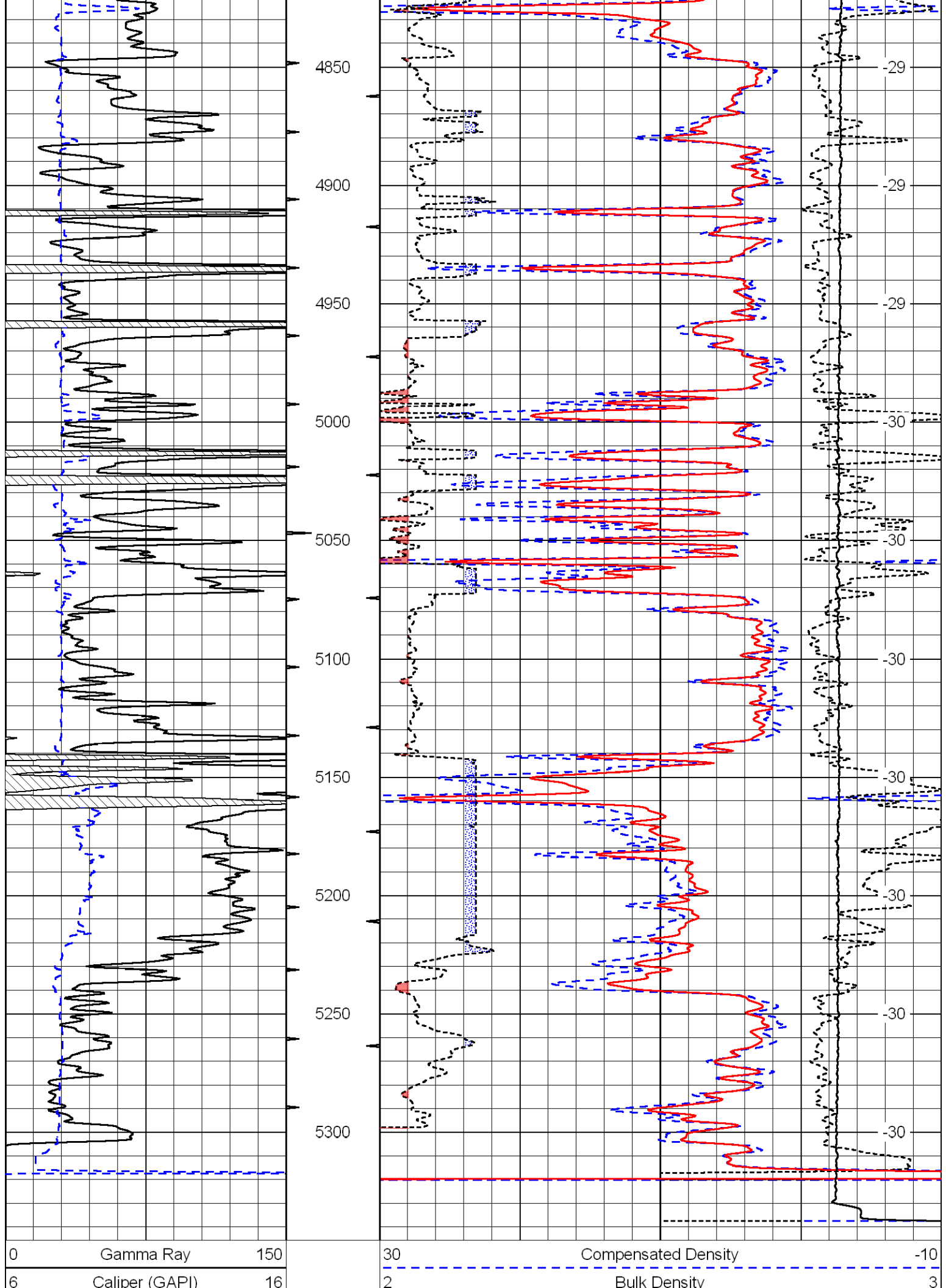
Database File: c:\warrior\data\mid-continent energy_zwegardt #1-34\mid-continent_zwegardt1-34hd.db
Dataset Pathname: dil/midstk
Presentation Format: cdl
Dataset Creation: Tue Jan 25 06:21:35 2011
Charted by: Depth in Feet scaled 1:600

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







		15000	Line Tension			0
2.625	DGA	3.425	-0.25	Correction	0.25	
						LSPD

Database File:	c:\warrior\data\mid-continent energy_zweygardt #1-34\mid-continent_zweygardt1-34hd.db					
Dataset Pathname:	dil/midstk					
Presentation Format:	cndlspec					
Dataset Creation:	Tue Jan 25 06:21:35 2011					
Charted by:	Depth in Feet scaled 1:240					

0	Gamma Ray	150	30	Compensated Neutron (Limestone)			-10	
6	Caliper (GAPI)	16	30	Compensated Density (2.71 ma)			-10	
			2.625	DGA	3.425	-0.25	Correction	0.25
			15000	Line Tension			0	
							LSPD	

