



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-007-23933-00-00

Company N-10 Exploration, LLC

Well Medicine River Ranch 'B' #11

Field Landis

County Barber State Kansas

Location 2980' FSL & 2210' FEL

Sec: 15 Twp: 34S Rge: 11W

Permanent Datum Ground Level Elevation 1354
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL
Elevation
K.B. 1364
D.F. 1354
G.L. 1354

Date 10/11/2012

Run Number One

Type Log CNL / CDL

Depth Driller 5040

Depth Logger 5041

Bottom Logged Interval 5020

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 9000

Density 8.8

Level Full

Max. Rec. Temp. F 128

Operating Rig Time 4 Hours

Equipment -- Location 91 Hays

Recorded By D. Schmidt

Witnessed By Tim Pierce

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	268	8.625	23#	00	268
Two	7.875	268	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.

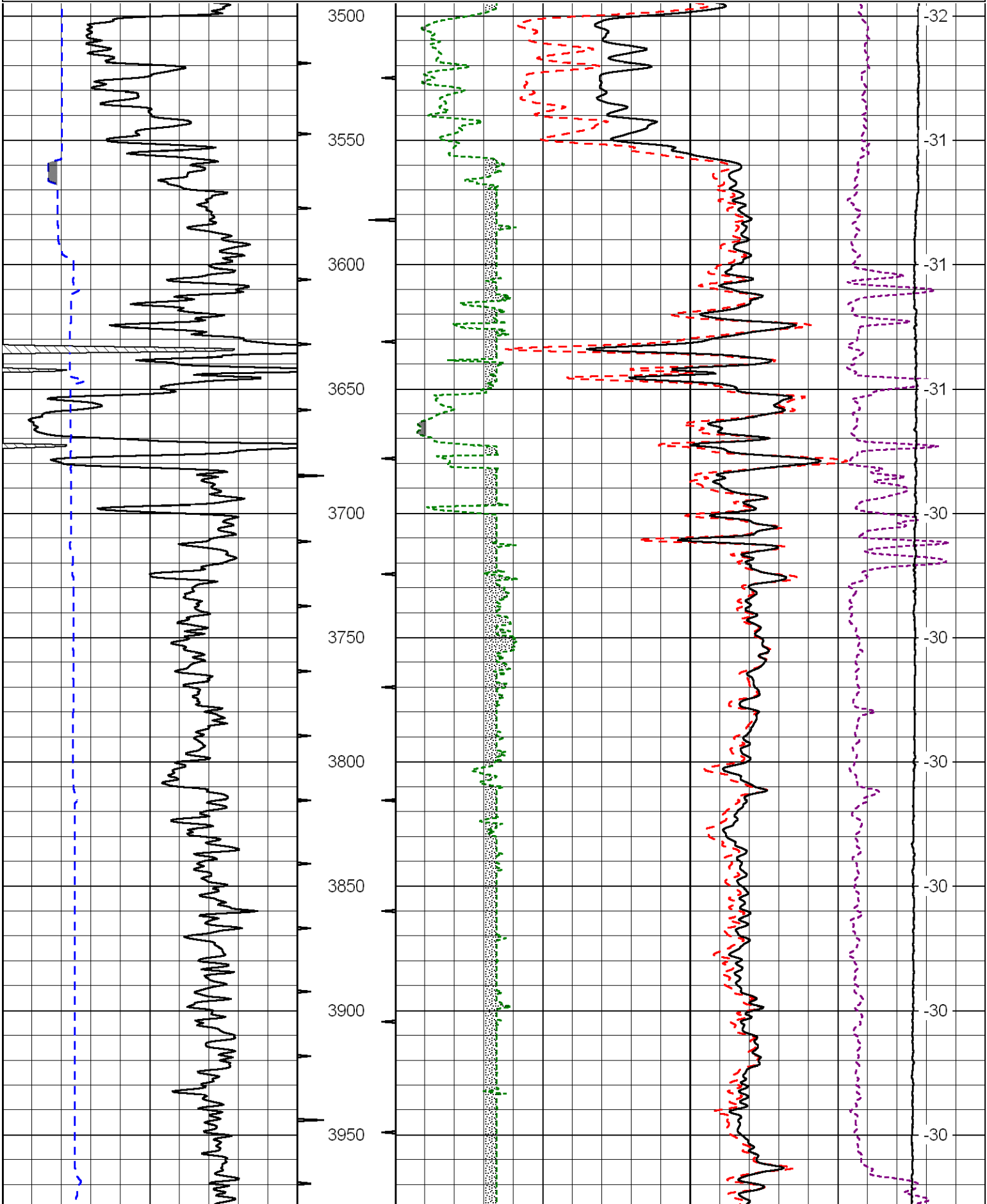
Comments

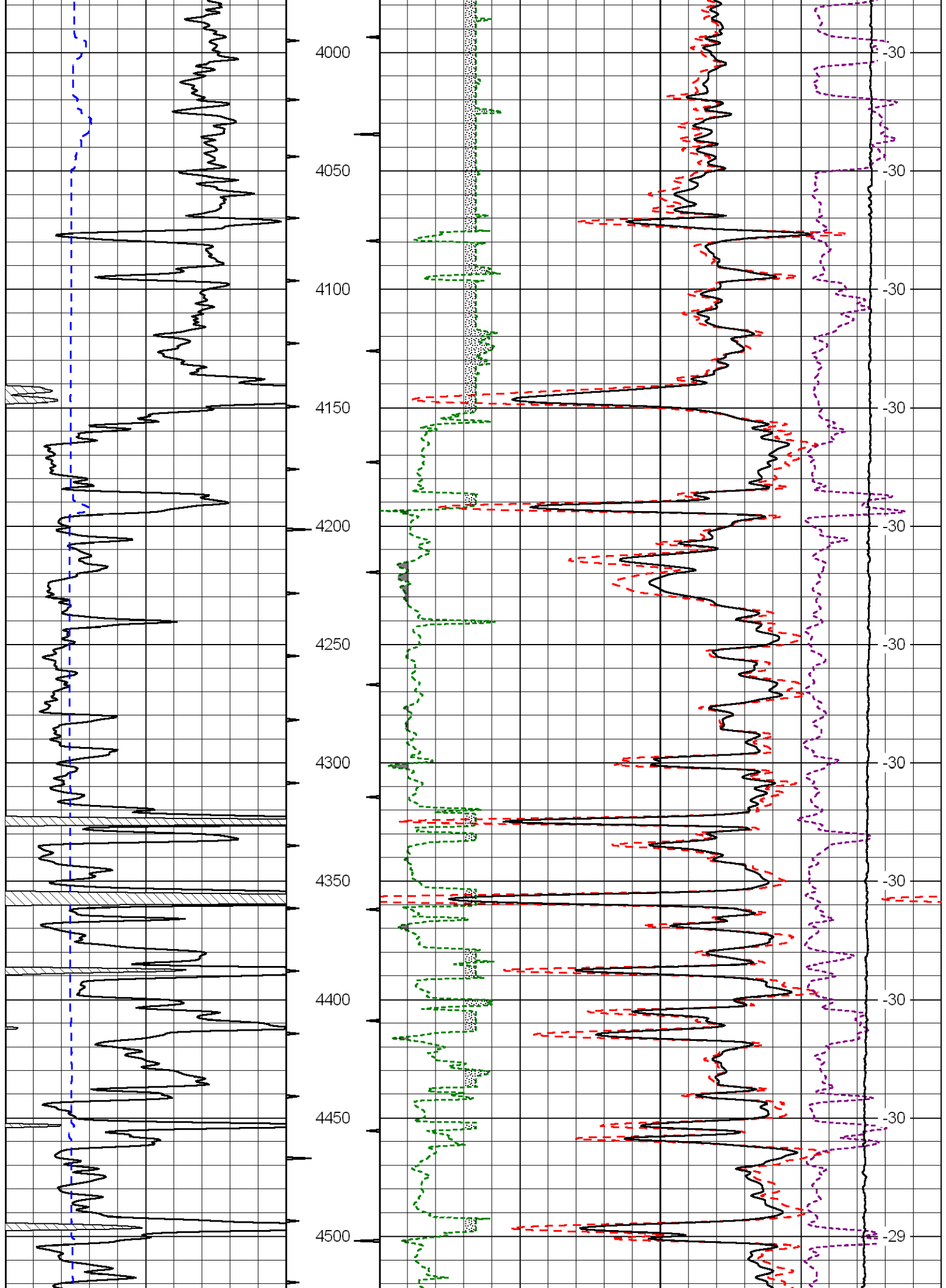
Thank you for using Log-Tech, Inc.
(785) 625-3858
Medicine Lodge,
South to Gerlane, 7 East to Bethel, 2 South to Scott Canyon,
about 1 West to cattle guard, continue West past tank battery, take far left lease road at fork,
1/2 South and West, North into

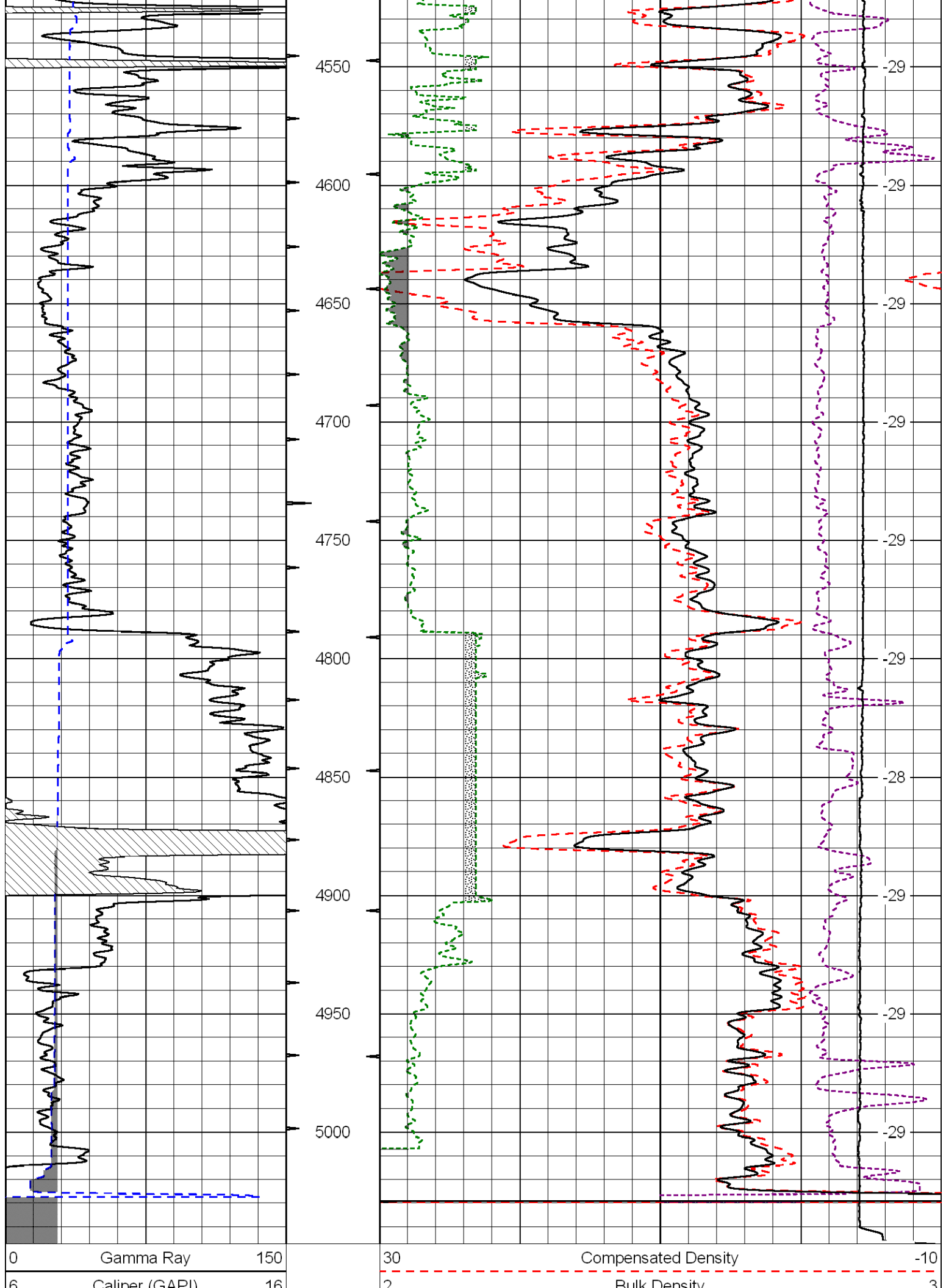
Database File: n10_101112hd.db
Dataset Pathname: dil/n10stack
Presentation Format: cdl
Dataset Creation: Fri Oct 12 01:18:49 2012
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD







Caliper (GAPI)	15	2	Bulk Density		9
		15000	Line Tension		0
		2.625	DGA	3.425	-0.25
				Correction	0.25
					LSPD

Database File: n10_101112hd.db						
Dataset Pathname: dil/n10stack						
Presentation Format: cndlspec						
Dataset Creation: Fri Oct 12 01:18:49 2012						
Charted by: Depth in Feet scaled 1:240						
0	Gamma Ray	150	30 CNLS -10			
6	Caliper (GAPI)	16	30 Compensated Density (2.71 ma) -10			
			2.625	DGA	3.425	-0.25
					Correction	0.25
			10000		Line Tension	0
						LSPD

