



Pioneer Energy Services

Dual Compensated Porosity Log

15-007-23,977-00-00

Company N-10 Exploration, LLC
Well Medicine River Ranch "D" No. 9
Field Landis
County Barber State Kansas

Location 4,350' FSL & 455' FEL

Sec: 10 Twp: 34S Rge: 11W

Permanent Datum Ground Level Elevation 1358
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1368
D.F. 1358
G.L. 1358

Other Services
DIL

Date 1/7/2013

Run Number One

Type Log CNL / CDL

Depth Driller 5078

Depth Logger 5080

Bottom Logged Interval 5059

Top Logged Interval 3400

Type Fluid In Hole Chemical

Salinity, PPM CL 6000

Density 9.4

Level Full

Max. Rec. Temp. F 127

Operating Rig Time 2 1/2 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Tim Pierce

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
---------	-----	------	----	------	------	------	----

1	12.25	00	265	8.625	24#	00	265
---	-------	----	-----	-------	-----	----	-----

2	7.875	265	5078				
---	-------	-----	------	--	--	--	--

<<< Fold Here >>>

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.

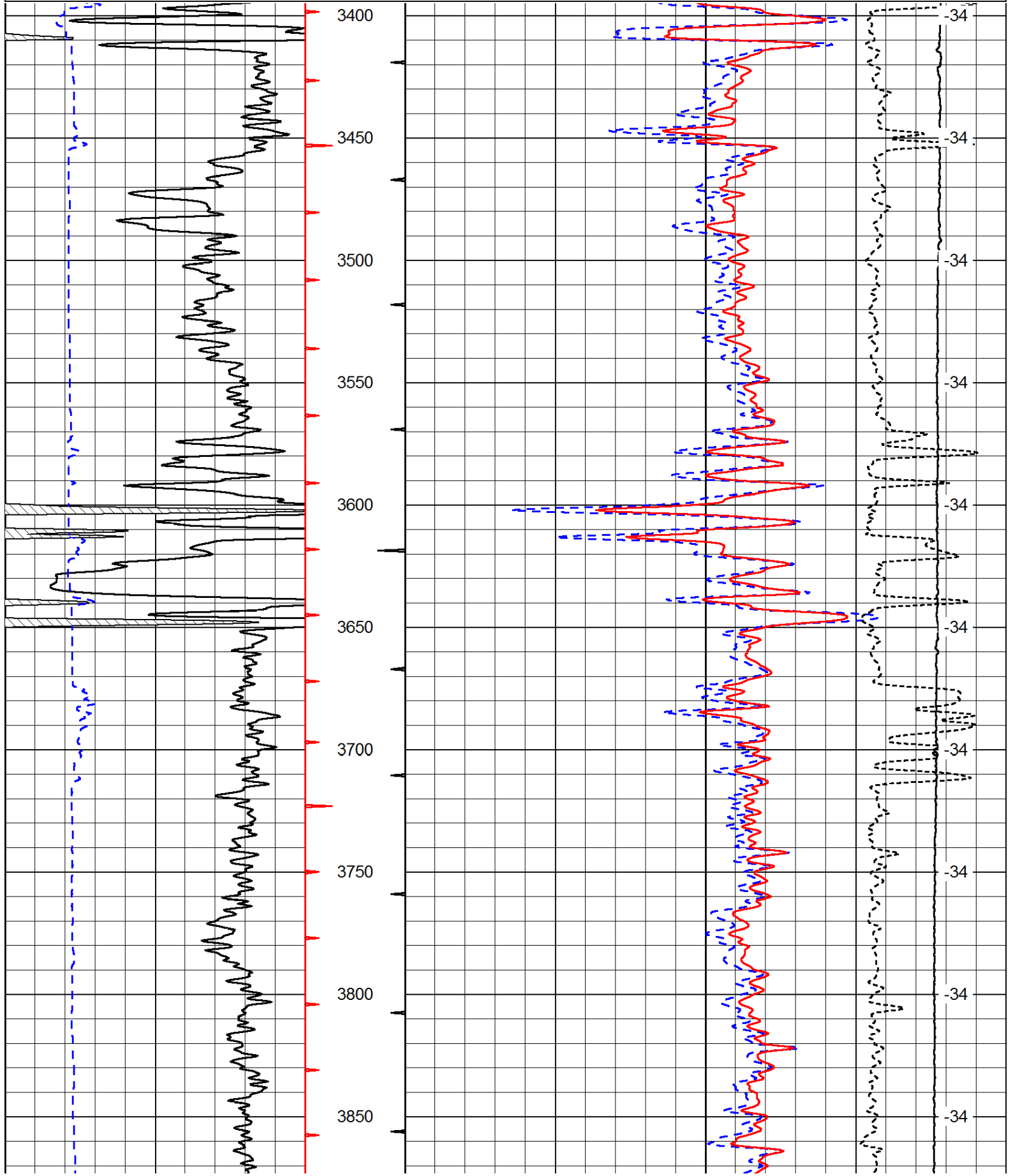
Comments

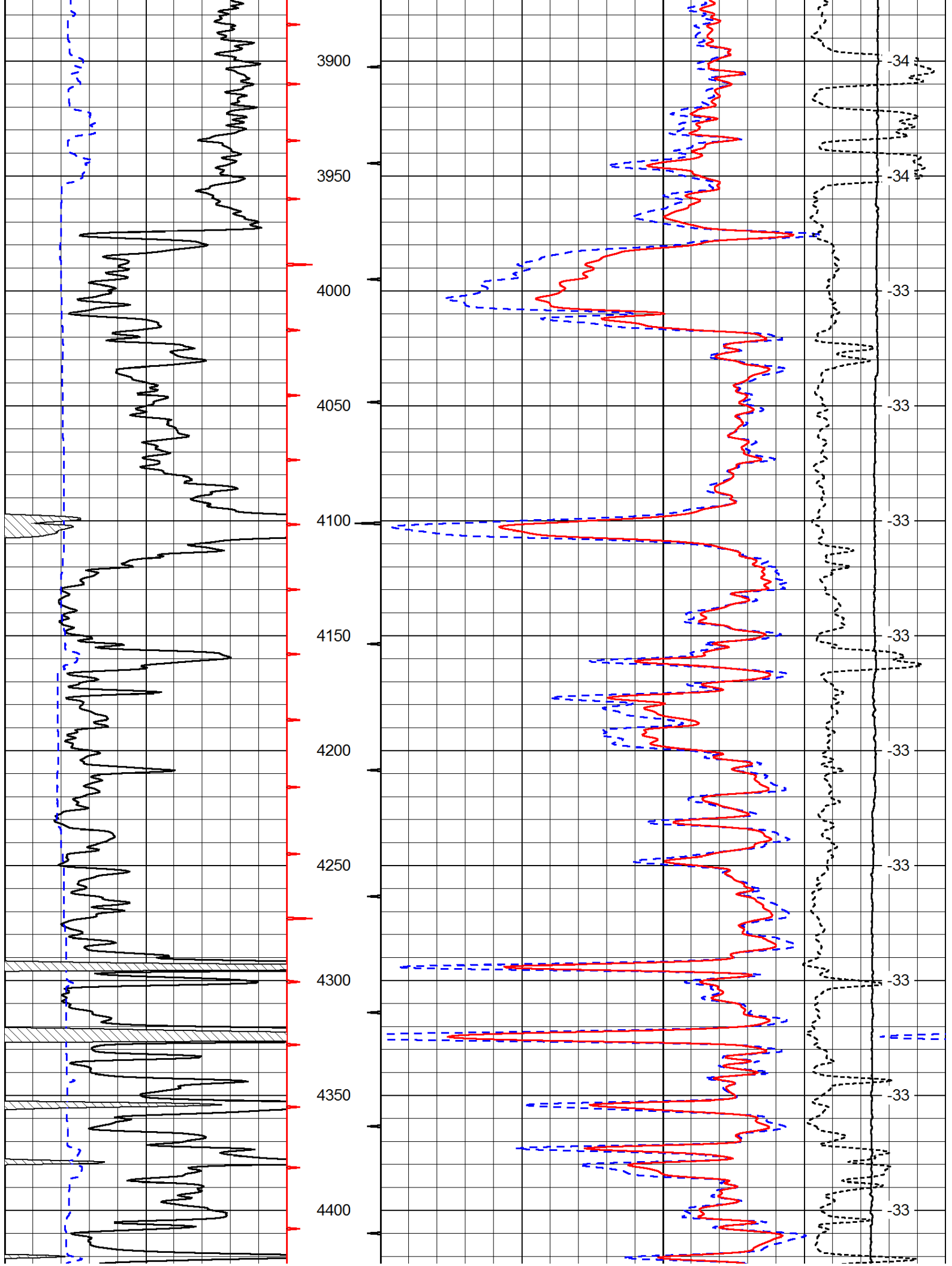
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

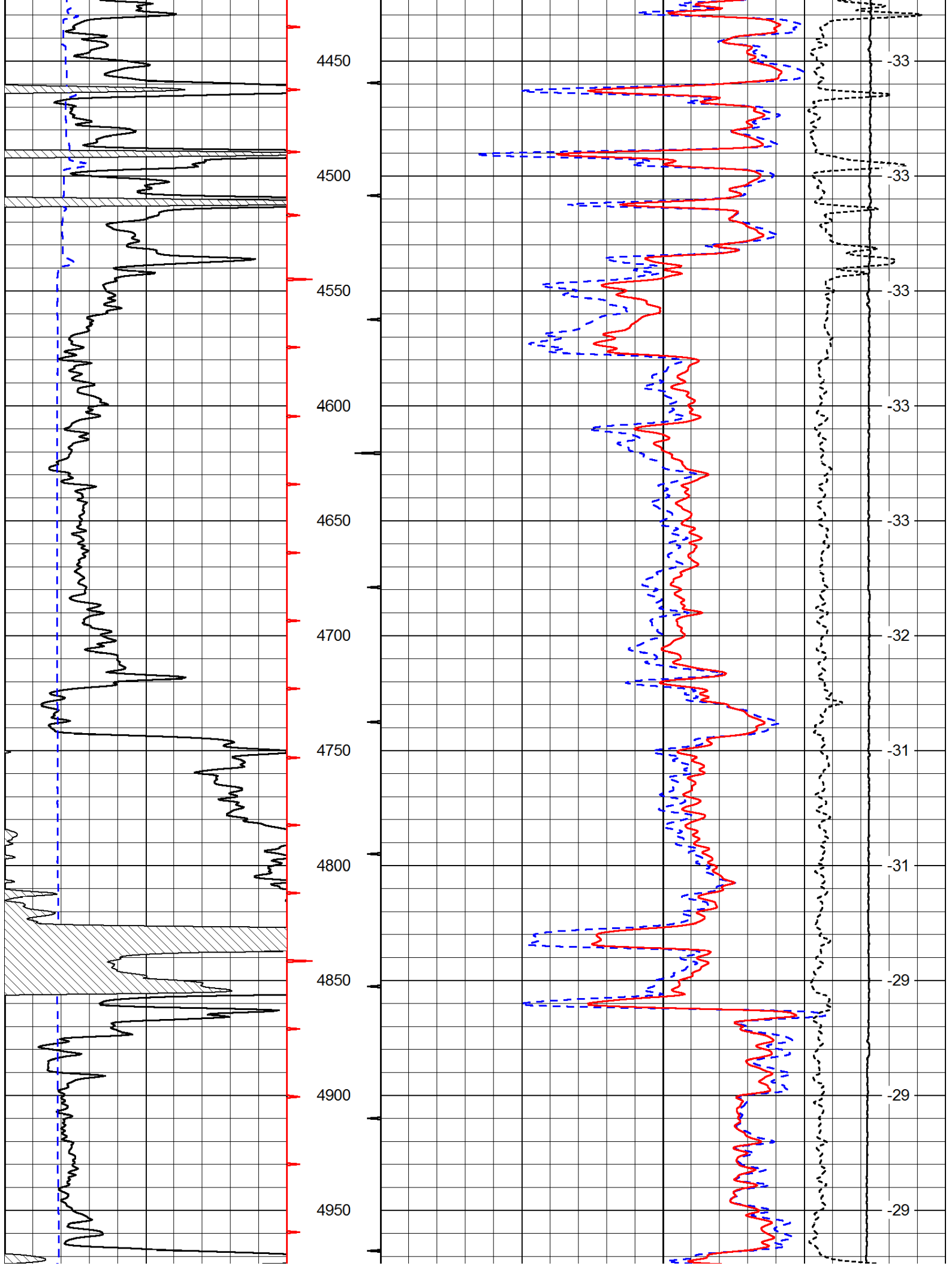
Medicine Lodge, 9 South to Gerlane Blacktop, 7 East to Bethel Road, 2 South to Scott Canyon Road,
1 West to Cattle Guard, 3/4 West and North Into (Stay right at fork)

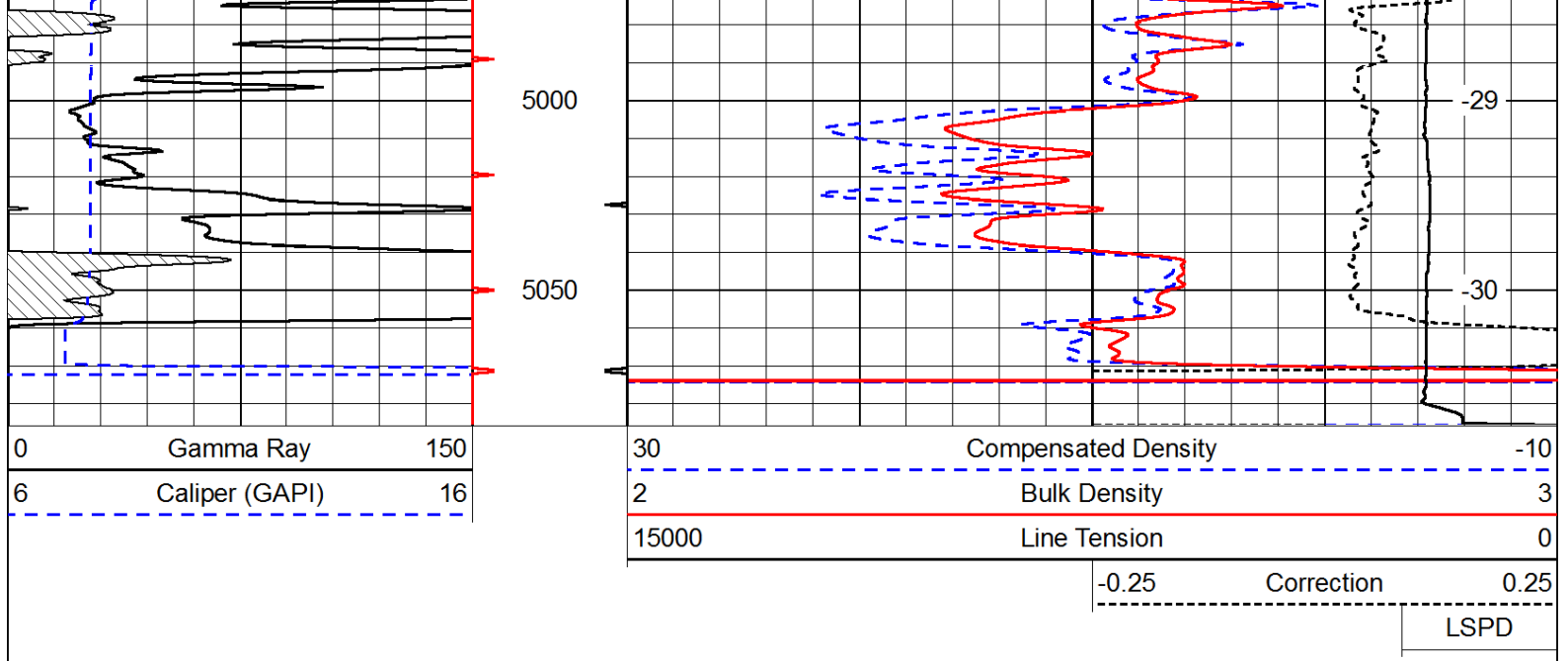
Database File: c:\warrior\data\n-10 exploration_medicine river ranch d #9\n-10_medicineriverranch_d_9hd.db
Dataset Pathname: dil\ntstck
Presentation Format: cdl
Dataset Creation: Mon Jan 07 16:20:33 2013
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in feet scaled 1:600					
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			-0.25 Correction 0.25		
			LSPD		









Database File: c:\warrior\data\n-10 exploration_medicine river ranch d #9\n-10_medicineriverranch_d_9hd.db
 Dataset Pathname: dil/nstck
 Presentation Format: cndlspec
 Dataset Creation: Mon Jan 07 16:20:33 2013
 Charted by: Depth in Feet scaled 1:240

