



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-22,122-00-00

Company R&B Oil & Gas, Inc.

Well Culver 'A' #3

Field Spivey-Grabs

County Harper

State Kansas

Location

2170' FNL & 660' FWL

Sec: 4

Twp: 31S

Rge: 8W

Other Services
CNL/CDL

Permanent Datum Ground Level Elevation 1663

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 1673
D.F.
G.L. 1663

Date 12/10/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4648

Depth Logger 4646

Bottom Logged Interval 4625

Top Logged Interval 2300

Type Fluid In Hole Chemical

Salinity, PPM CL 3000

Density 9.2

Level Full

Max. Rec. Temp. F 122

Operating Rig Time 3 Hours

Equipment -- Location 15 Hays

Recorded By C. Desaire

Witnessed By Tim Pierce

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	249	8.625	24#	00	249
2	7.875	249	4648				

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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

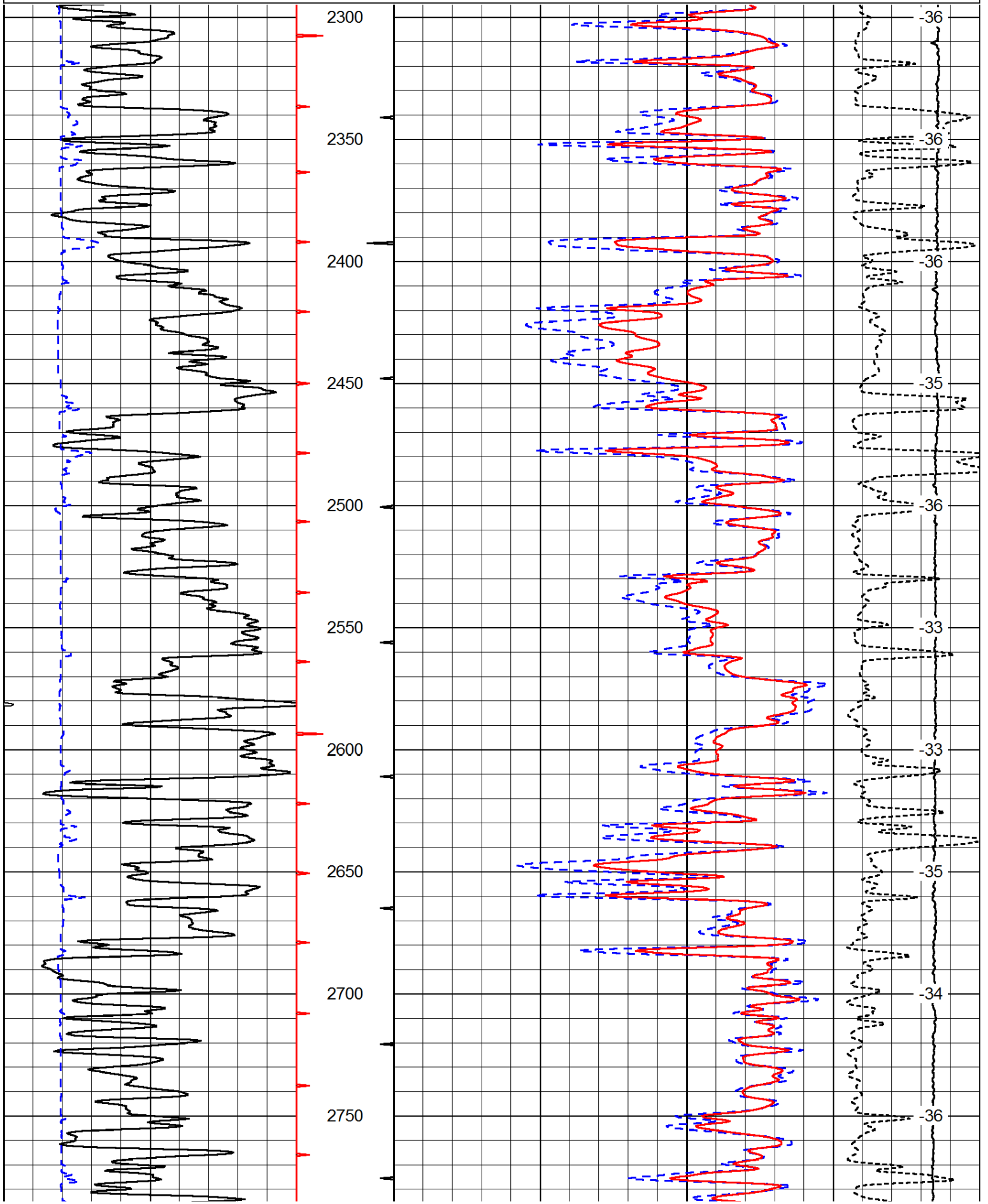
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

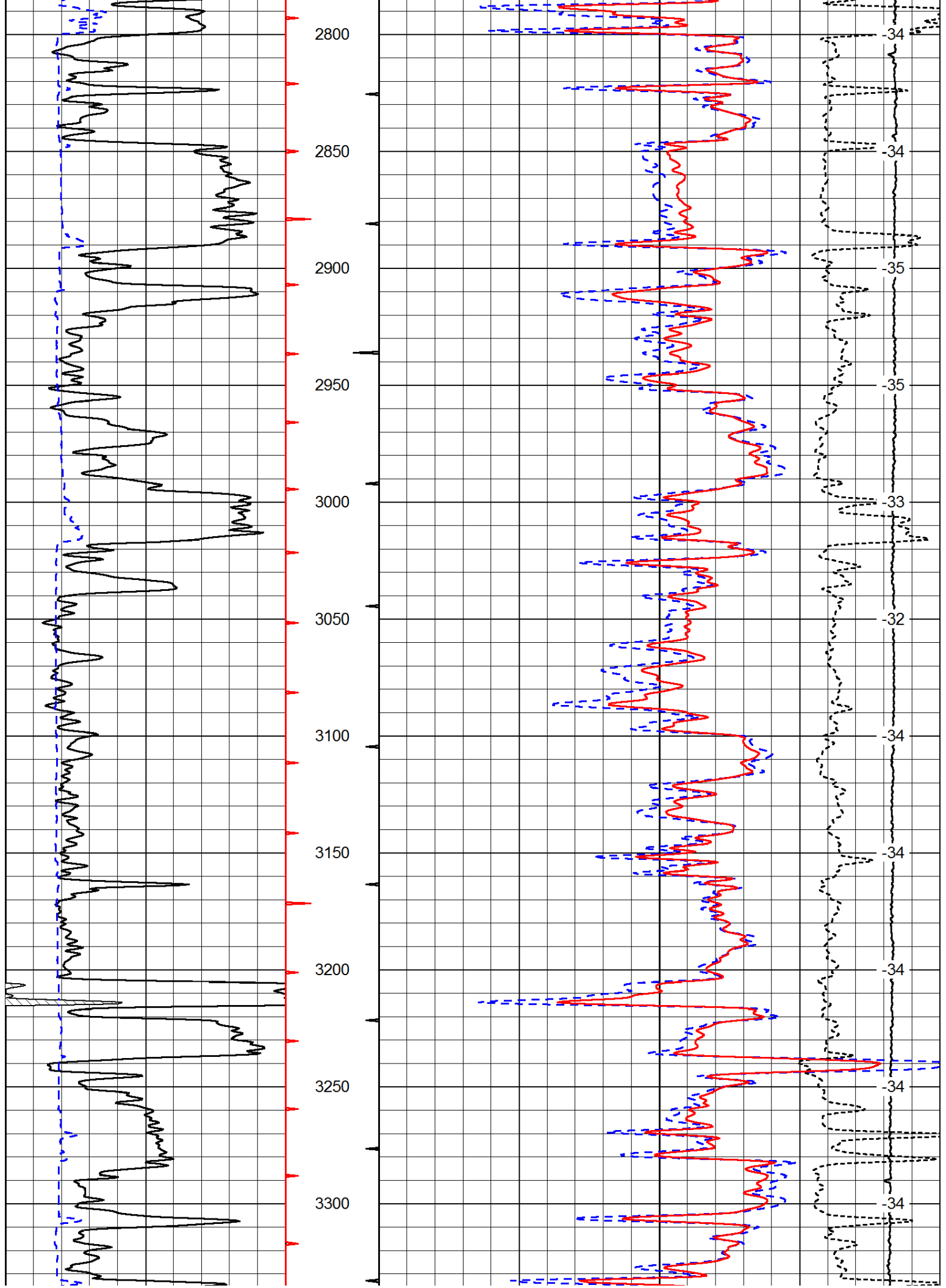
Zenda KS, 5 S to NW 150th, 4 E,
5/8 N, E Into

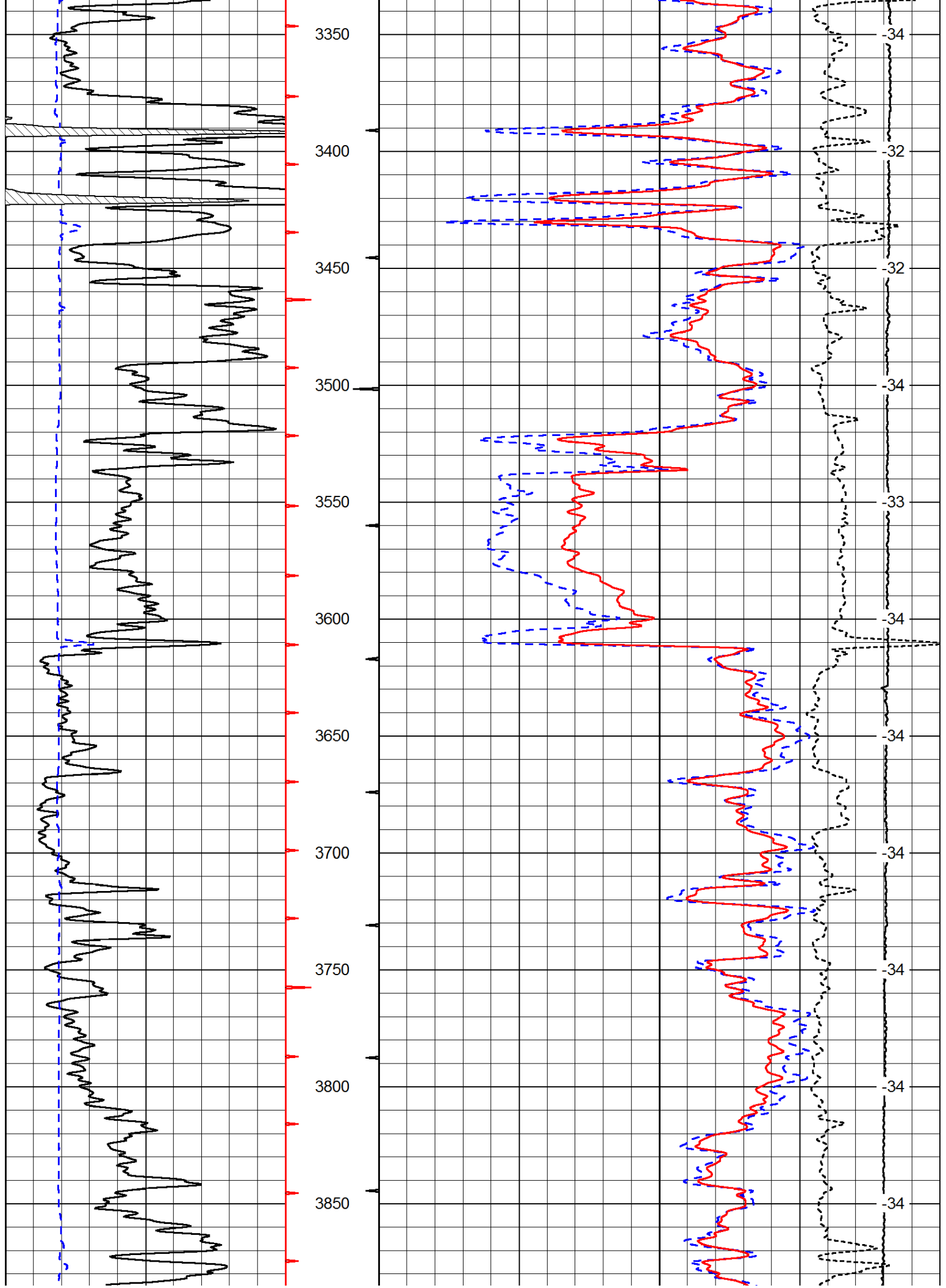
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Dataset Pathname: dil\rbstk
Presentation Format: cdl
Dataset Creation: Wed Dec 10 11:45:47 2014
Charted by: Depth in Feet scaled 1:600

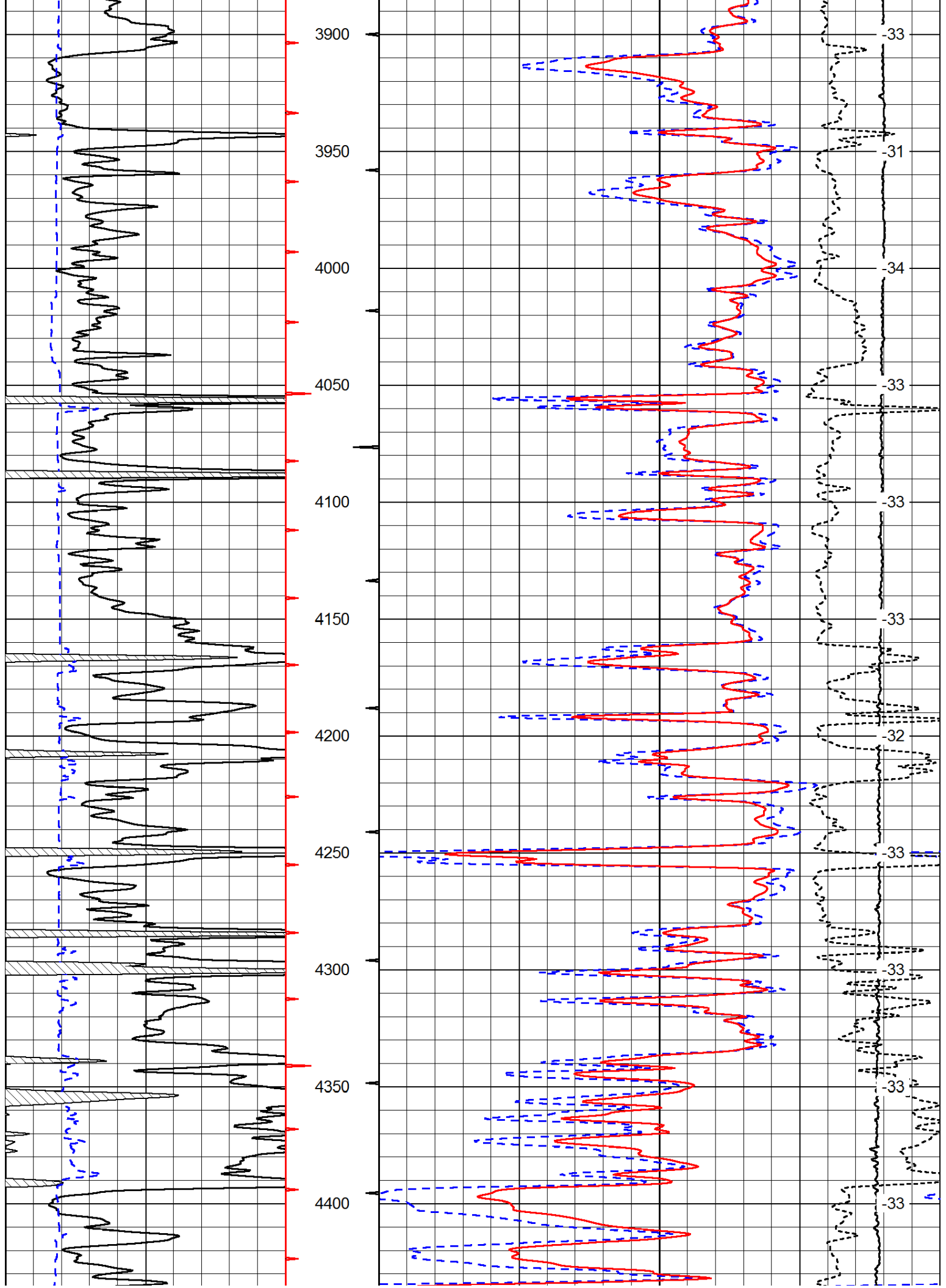
0	Gamma Ray	150
6	Caliper (GAPI)	16

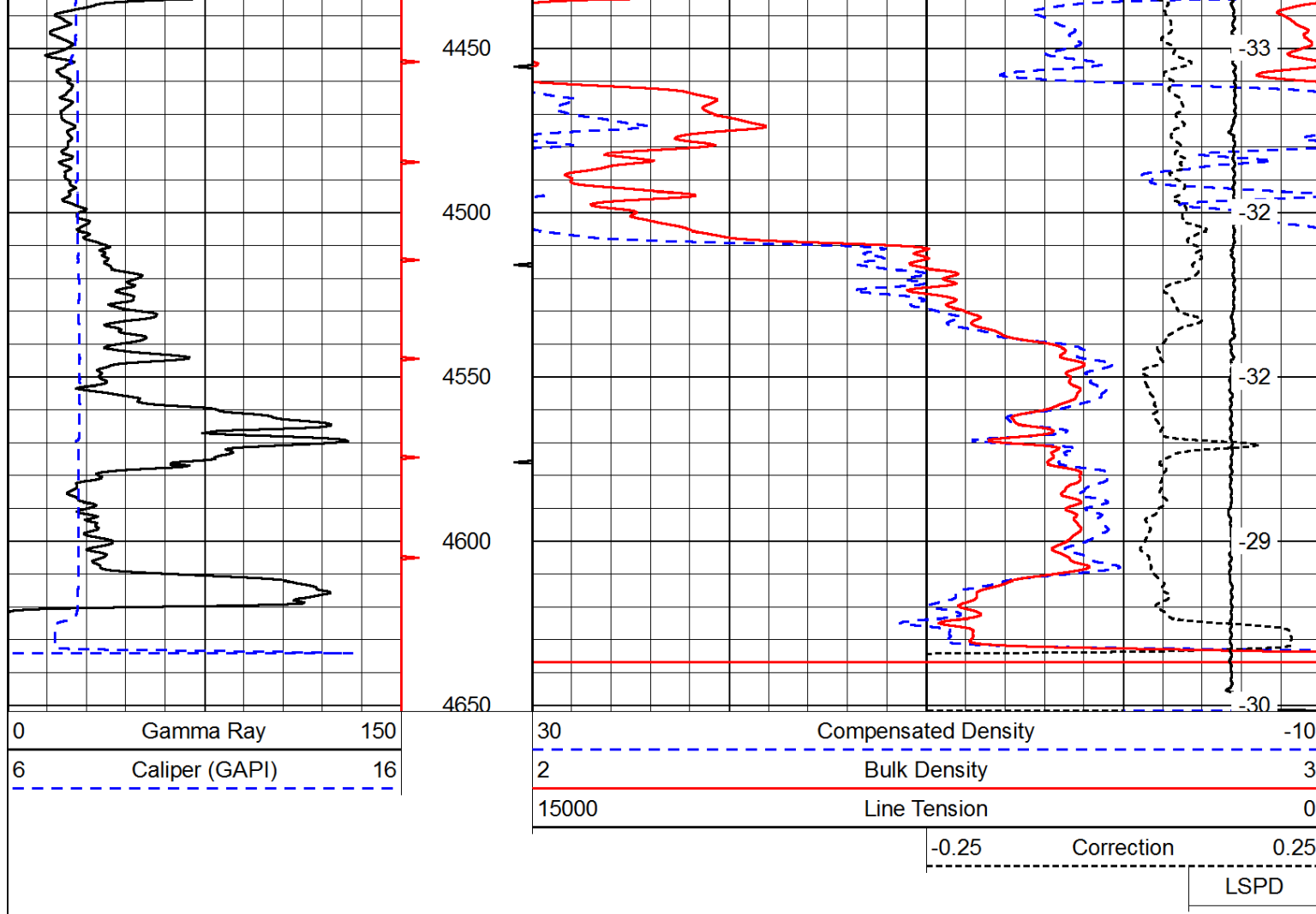
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
	-0.25	Correction	0.25
			LSPD











Database File: c:\warrior\data\r&b_culver 'a' #3\rbhd.db
 Dataset Pathname: dil/rbstk
 Presentation Format: cndlspec
 Dataset Creation: Wed Dec 10 11:45:47 2014
 Charted by: Depth in Feet scaled 1:240

