



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-101-22209-00-00

Company Larson Engineering, Inc.

Well Cramer No. 1-22

Field Wildcat

County Lane

State Kansas

Location

2280' FSL & 330' FWL

Sec: 22 Twp: 17 S Rge: 30 S

Permanent Datum Ground Level Elevation 2863
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL
MEL

Elevation
K.B. 2873
D.F. 2863
G.L. 2863

Date

1/22/2010

Run Number

One

Type Log

CNL / CDL

Depth Driller

4615

Depth Logger

4620

Bottom Logged Interval

4599

Top Logged Interval

3600

Type Fluid In Hole

Chemical

Salinity, PPM CL

3000

Density

9.5

Level

Full

Max. Rec. Temp. F

122

Operating Rig Time

4 Hours

Equipment -- Location

15 Hays

Recorded By

B. Becker

Witnessed By

Bob Lewellyn

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

24#

From

To

1

12.25

00

261

8.625

24#

00

261

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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

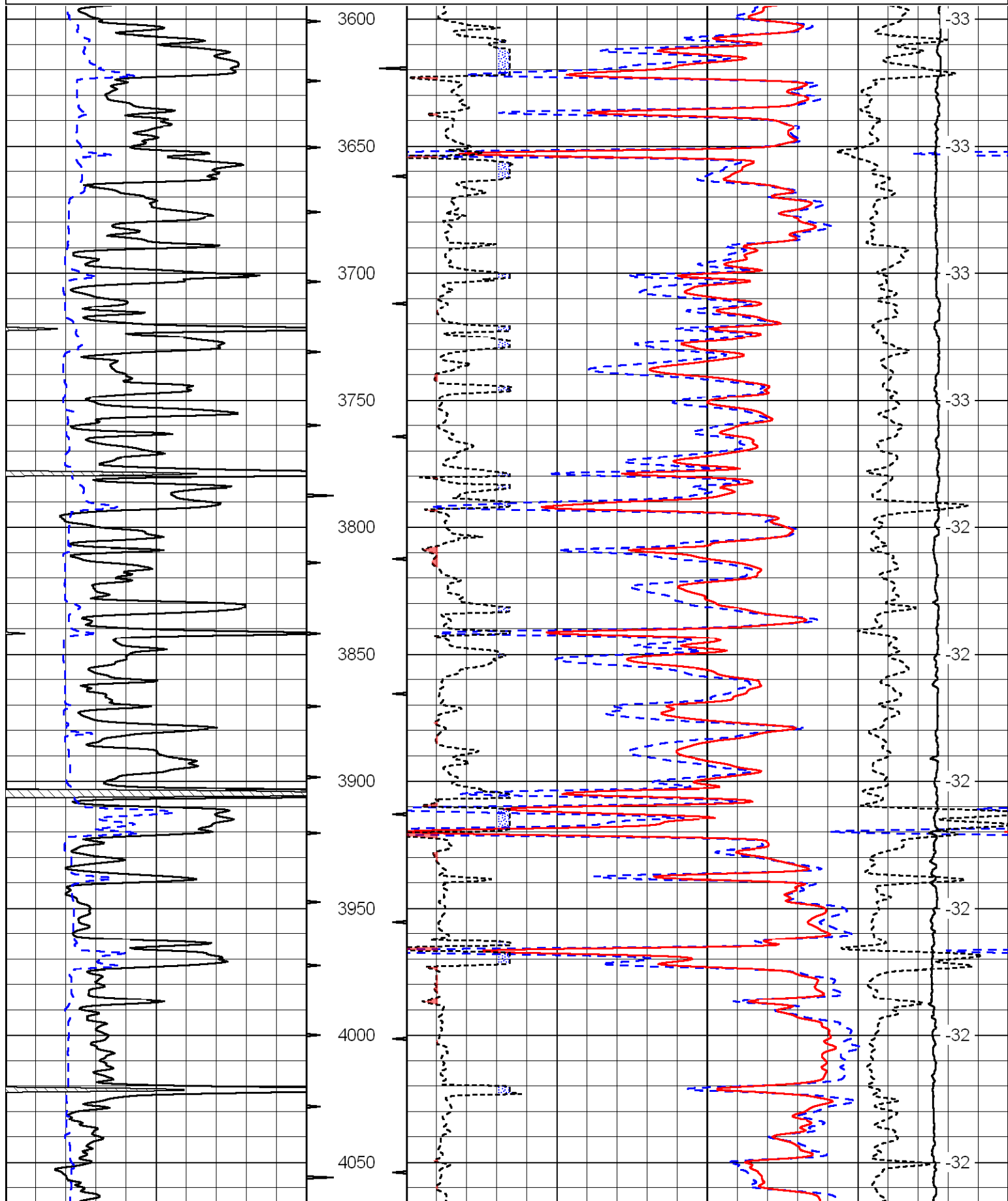
Thank you for using Log-Tech, Inc.
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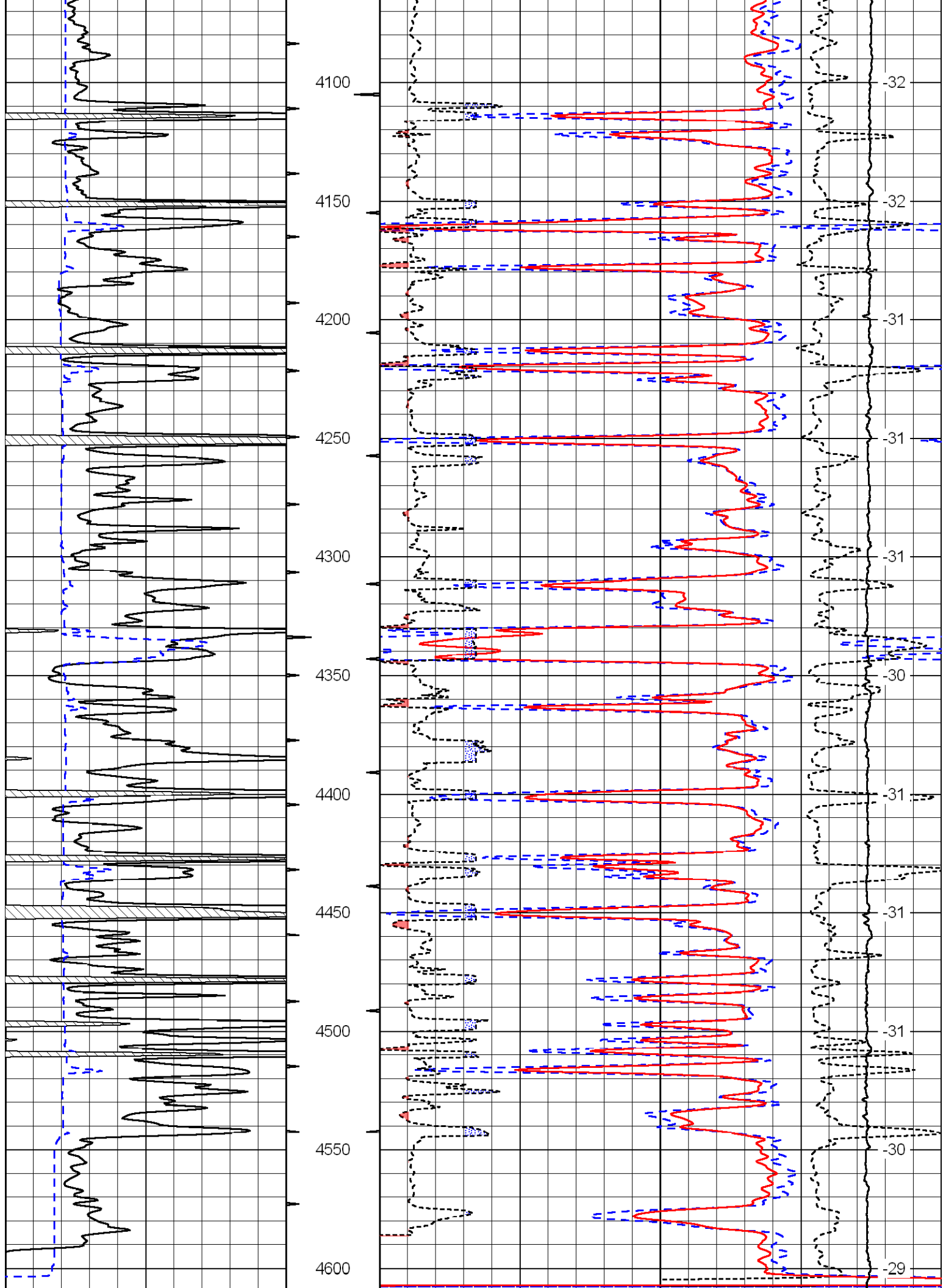
Dighton, Ks; 8 West; 5 North;
1 West; North Into

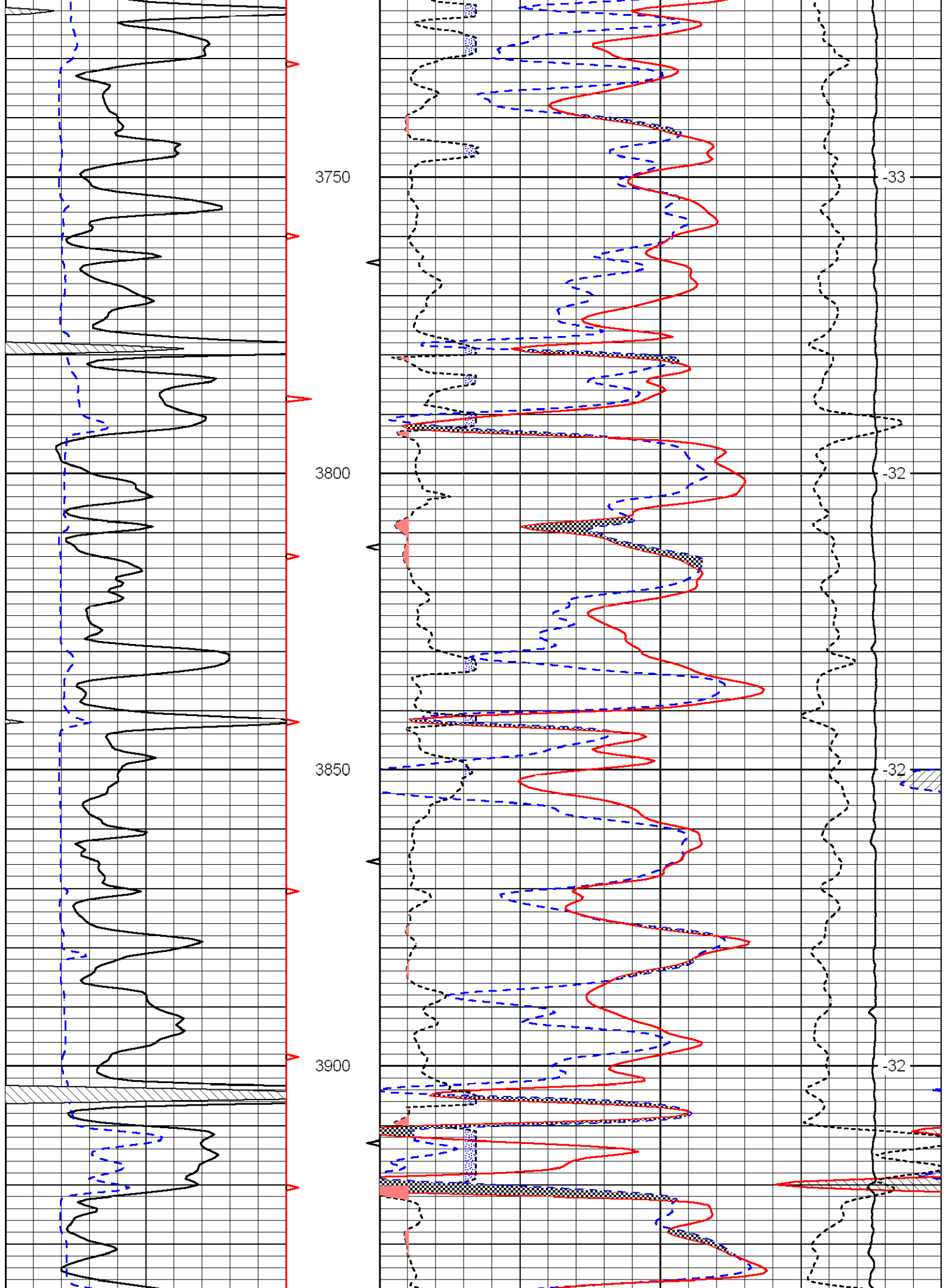
Database File: c:\warrior\data\larson_cramer no. 1-22\larsonhd.db
Dataset Pathname: DIL\larstk
Presentation Format: cdl
Dataset Creation: Fri Jan 22 06:10:31 2010
Charted by: Depth in Feet scaled 1:600

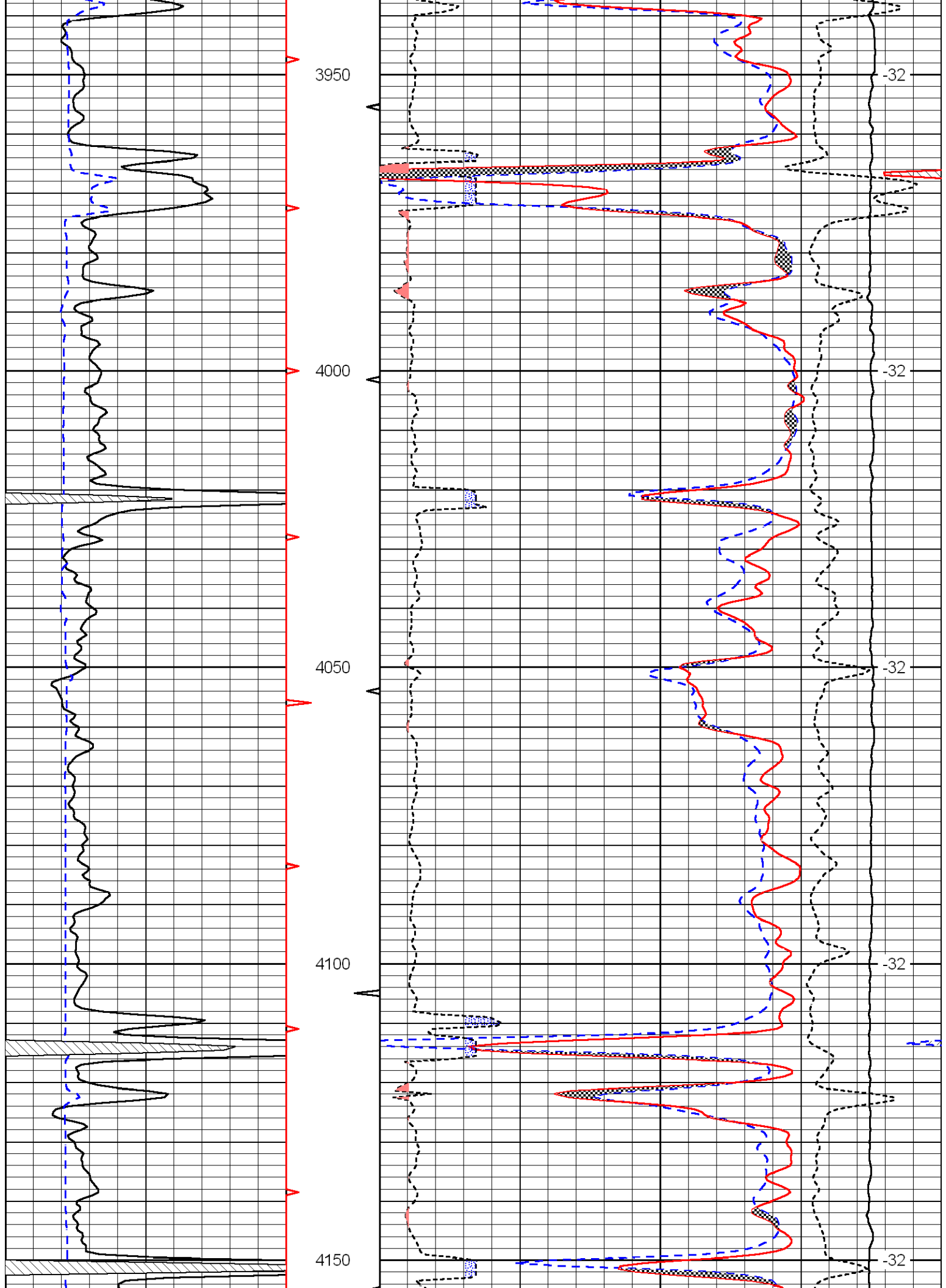
0	Gamma Ray	150
6	Caliper (in)	16

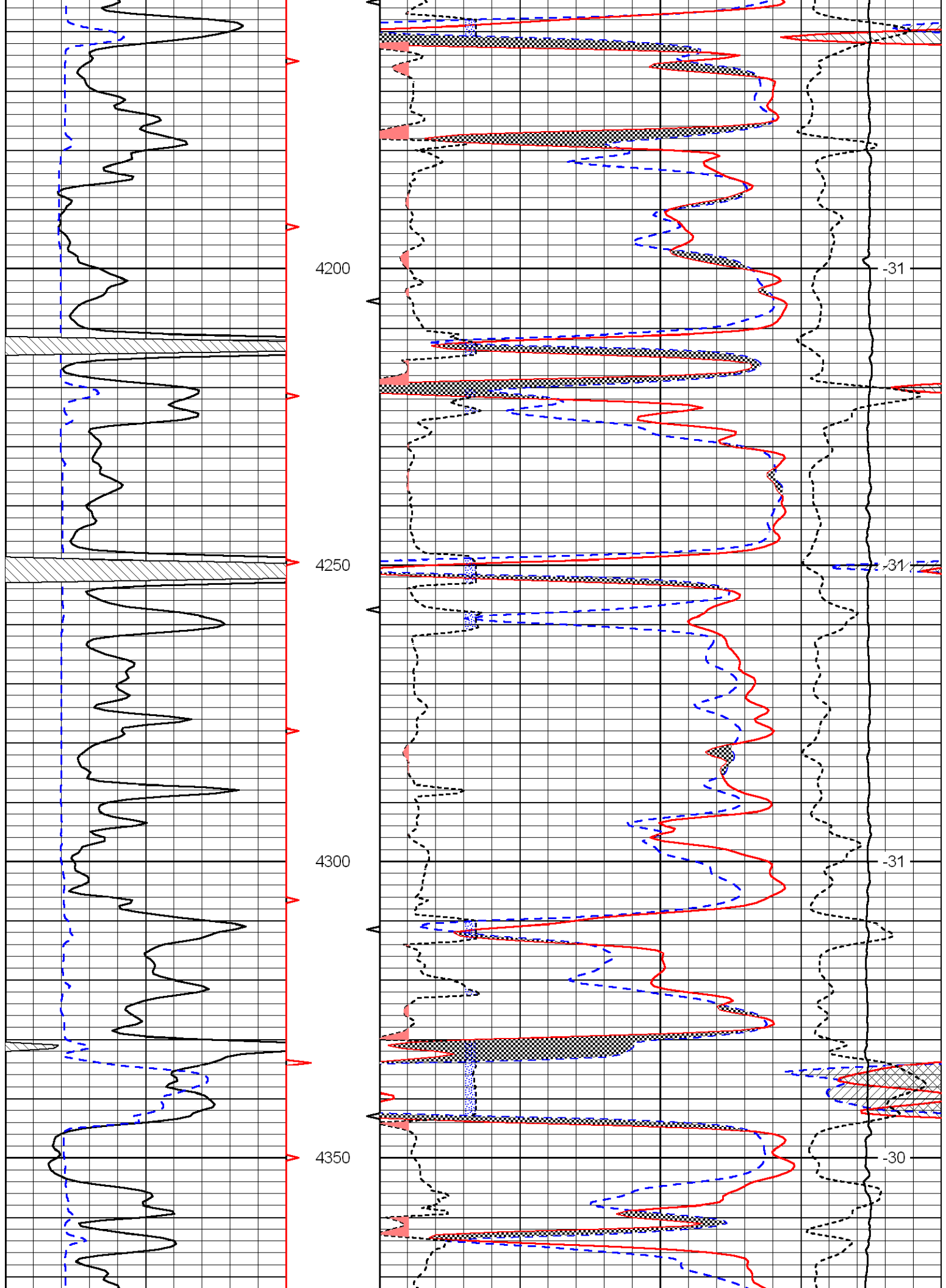
30	Compensated Density (pu)				-10
2	Bulk Density (g/cc)				3
15000	Line Tension (lb)				0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
					LSPD (ft/min)

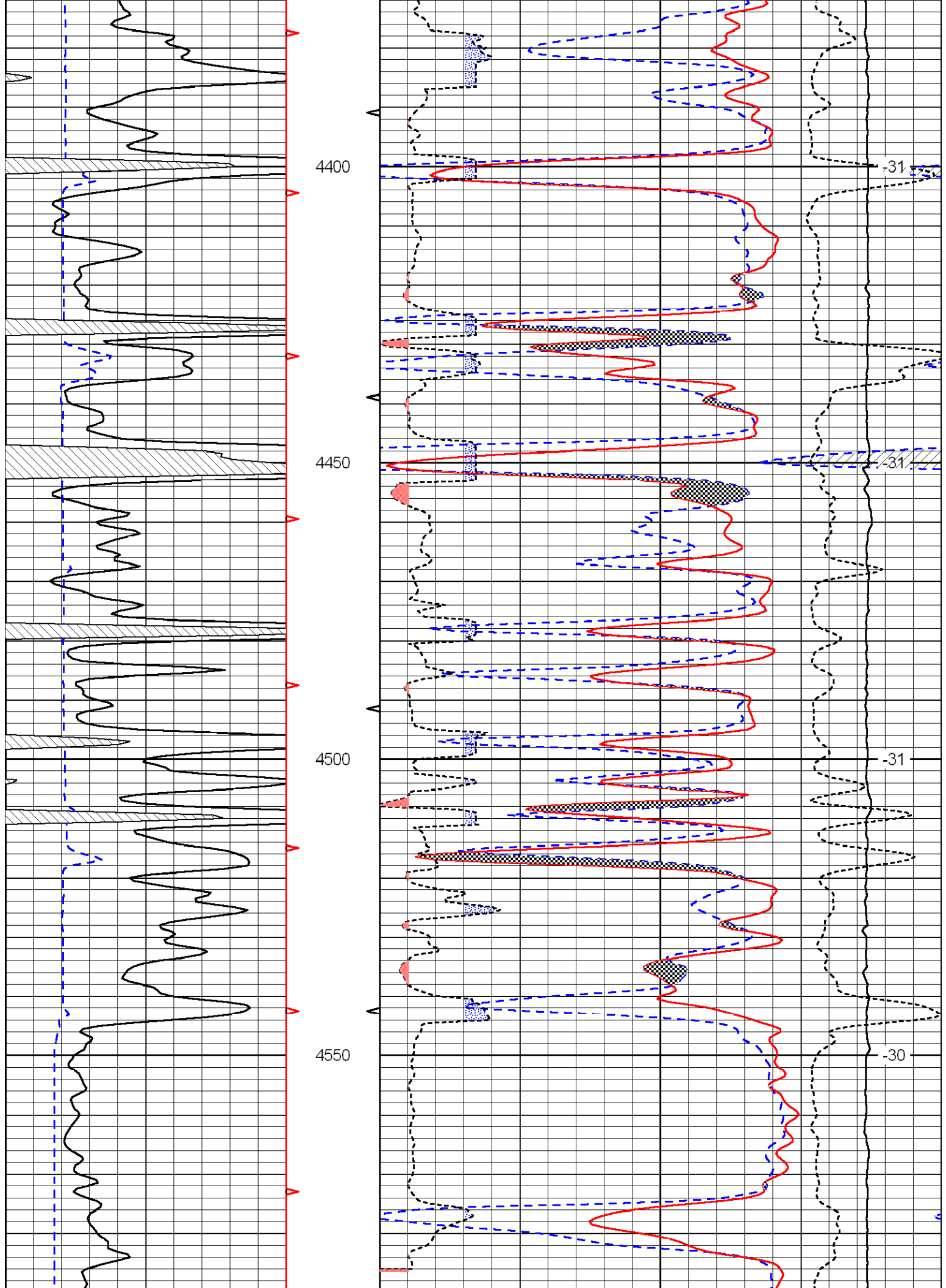


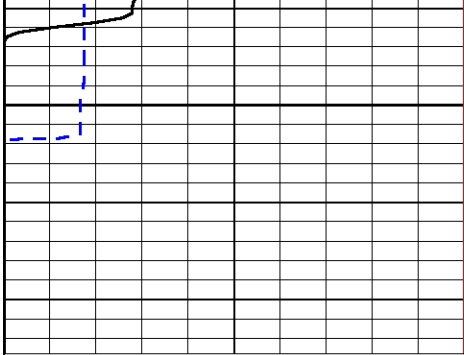






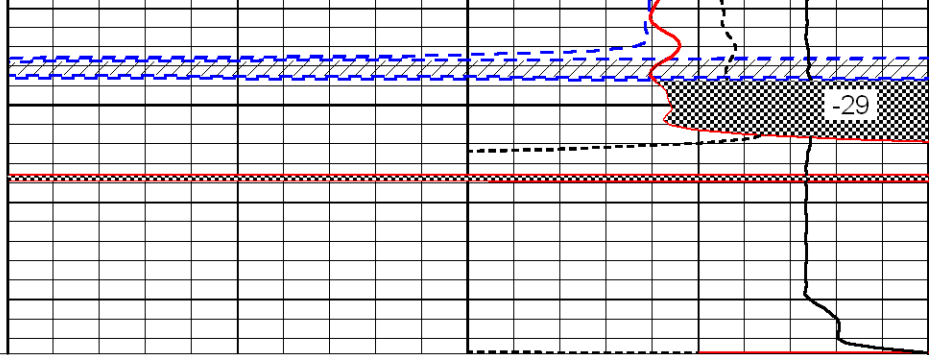






0	Gamma Ray	150
6	Caliper (in)	16

4600



30	Compensated Neutron (Limestone) (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
15000	Line Tension (lb)				0

LSPD
(ft/min)