



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-195-22,842-00-00

Company **Central Operating, Inc.**
Well **Sylvia No. 1**
Field **Revilo**
County **Trego** State **Kansas**

Location **NW NE SE NE
1530' FNL & 610' FEL**
Sec: **7** Twp: **15 S** Rge: **25 W**

Other Services
DIL
MEI/BHCS

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation 2340
11 Ft. Above Perm. Datum
K.B. 2351
D.F.
G.L. 2340

Date 12/31/2012

Run Number One

Type Log CNL / CDL

Depth Driller 4380

Depth Logger 4385

Bottom Logged Interval 4364

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 1800

Density 8.7

Level Full

Max. Rec. Temp. F 120

Operating Rig Time 6 Hours

Equipment -- Location 17 Days

Recorded By D. Martin

Witnessed By Sean Deenihan

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 223 8.625 24# 00 223

2 7.875 223 4380

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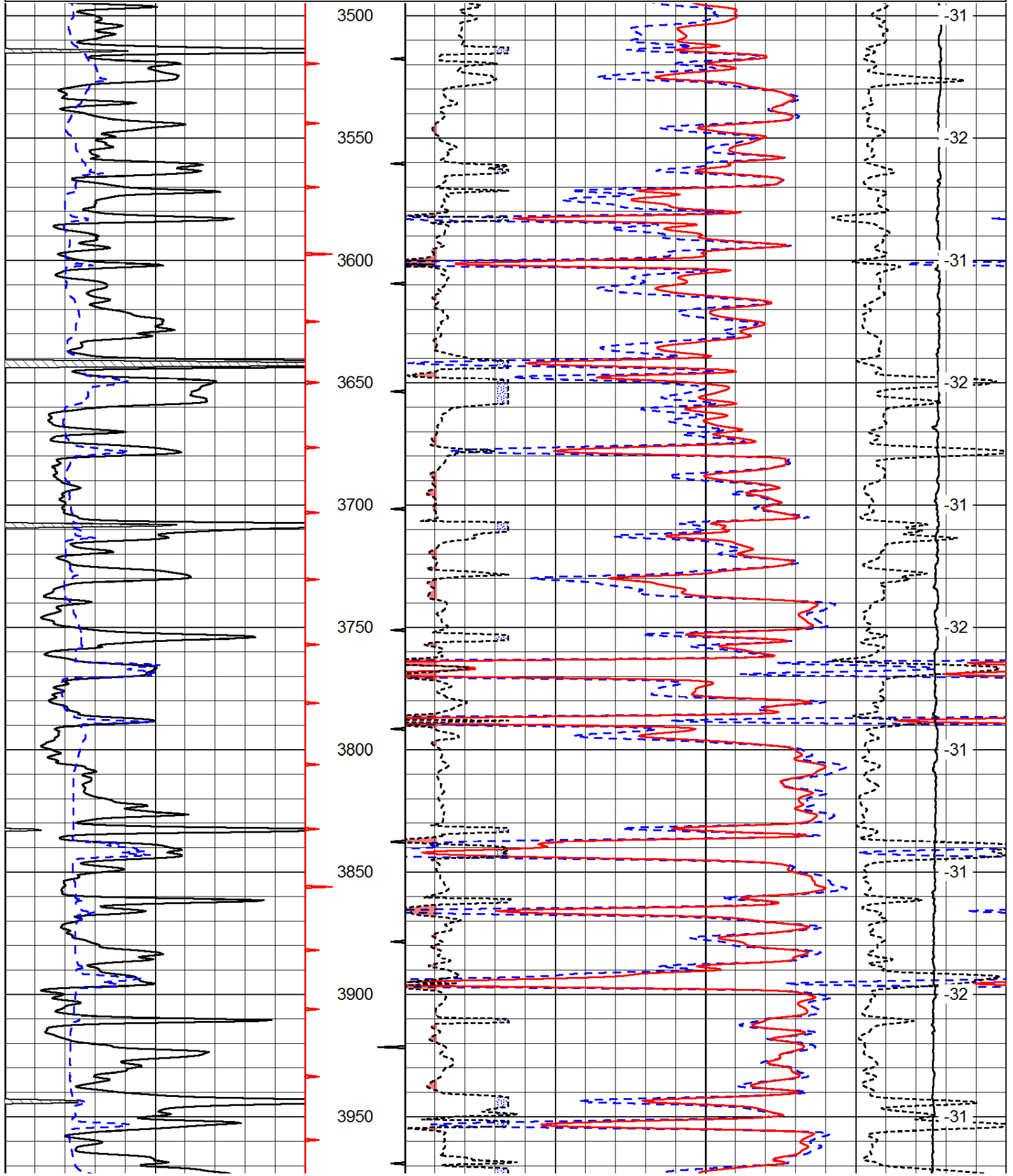
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

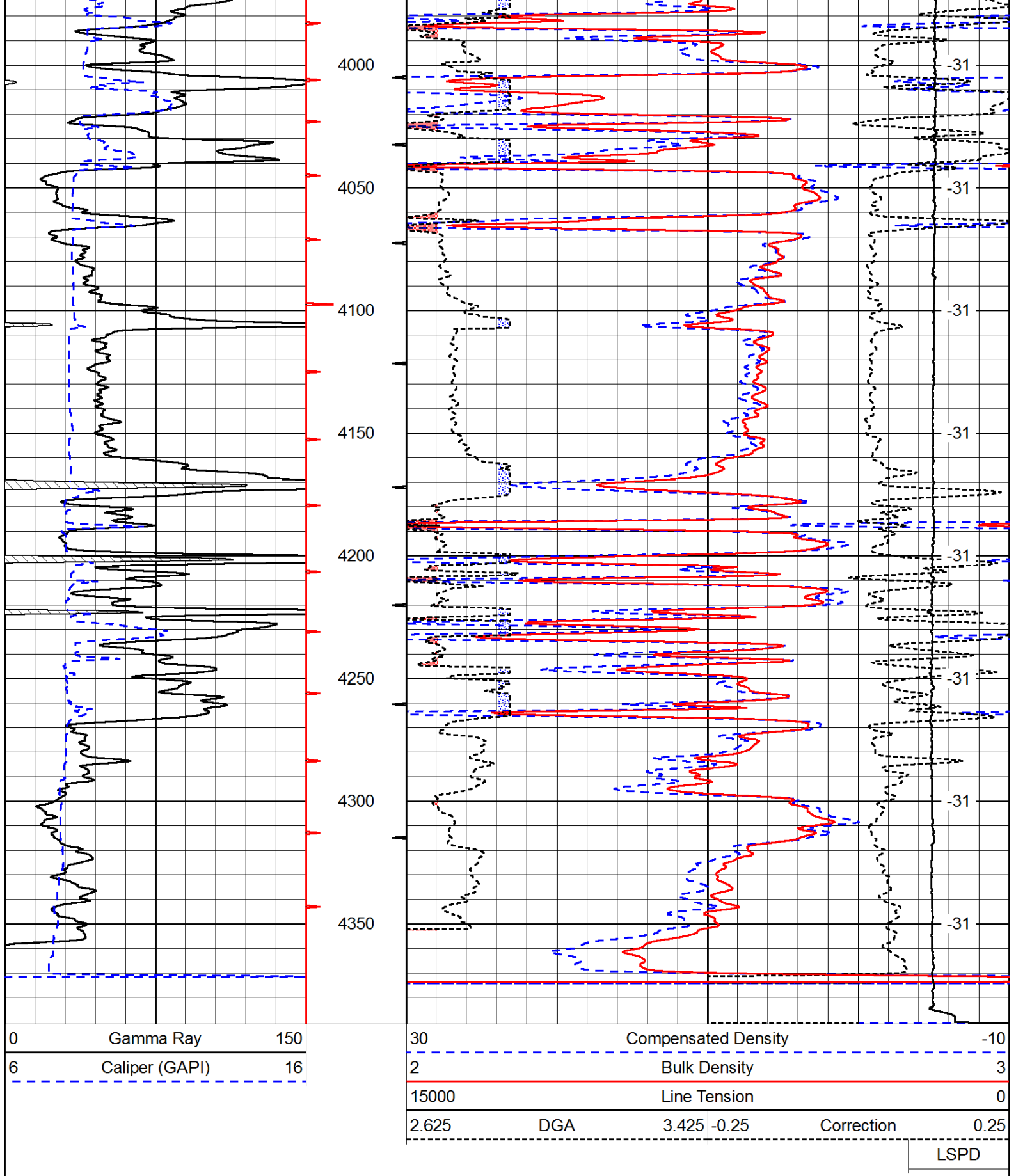
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Utica, KS
1 E to E Rd., 9 N to Z Rd.,
1 E, S Into(West Entrance)

Database File: c:\warrior\data\central op_sylvia #1\cenhd.db
Dataset Pathname: DIL/censtk
Presentation Format: cdl
Dataset Creation: Mon Dec 31 08:38:51 2012
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
			2.625	DGA	3.425 -0.25
			Correction		
			0.25		
			LSPD		



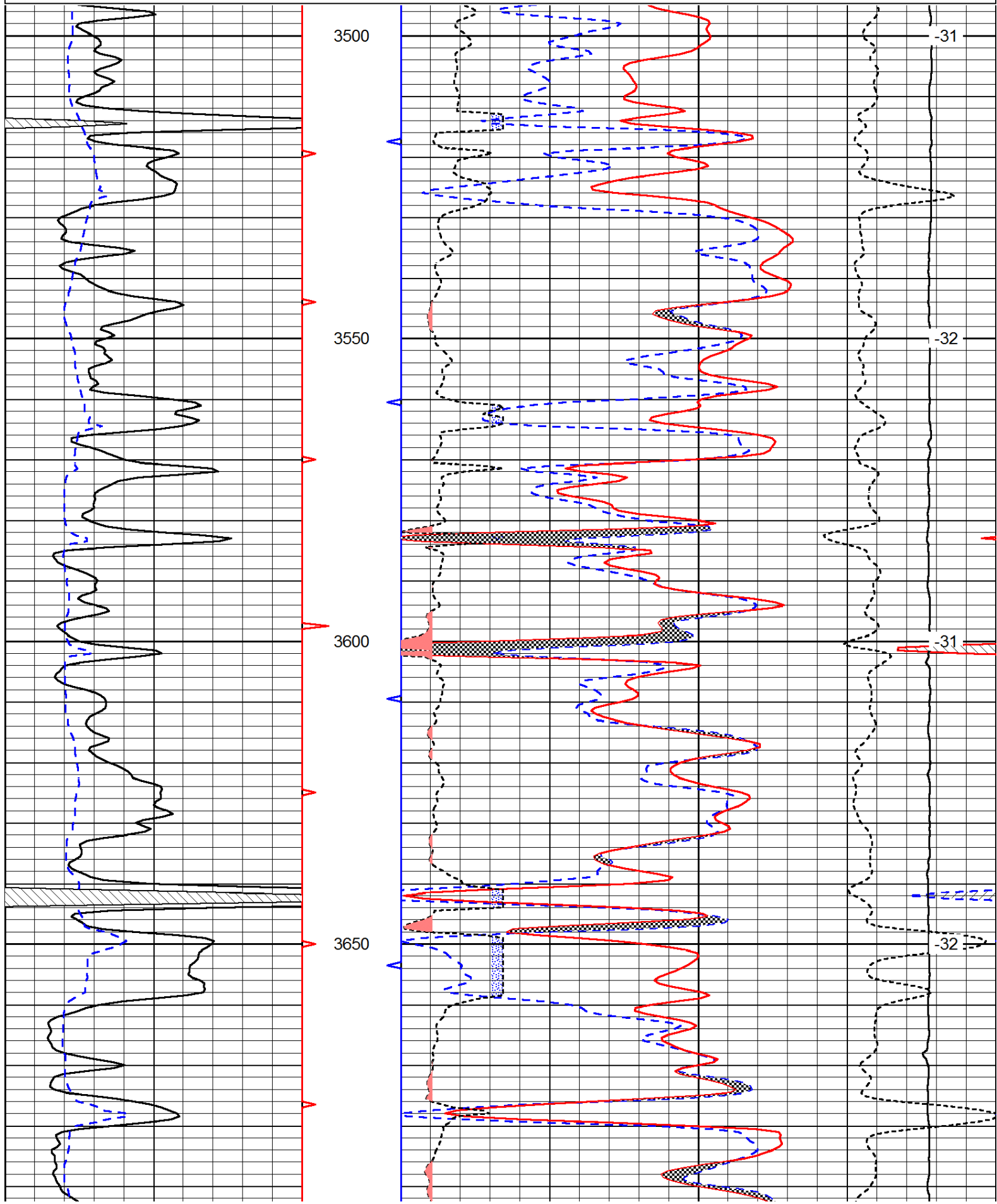


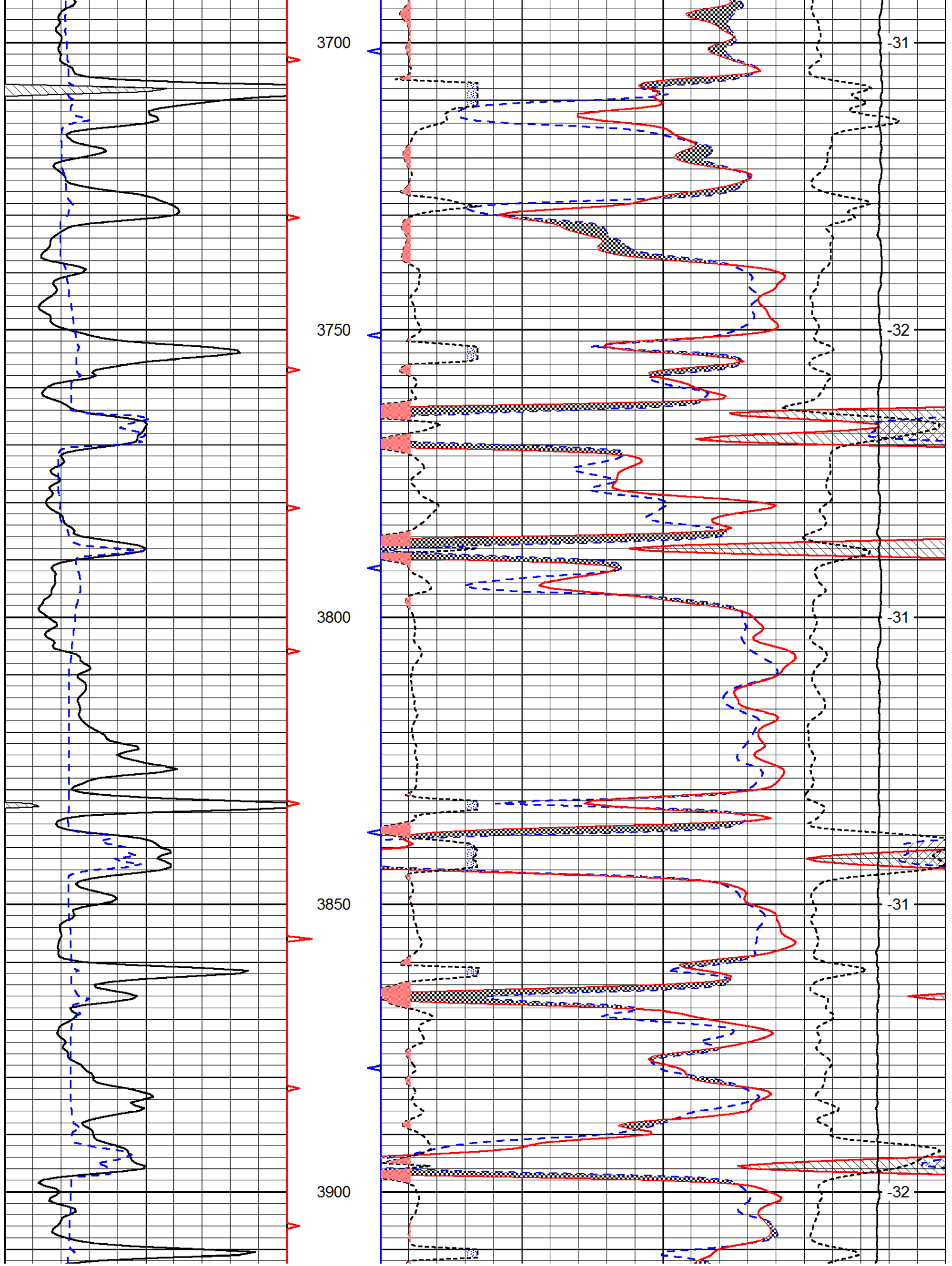
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Charted by: Depth in Feet scaled 1:240

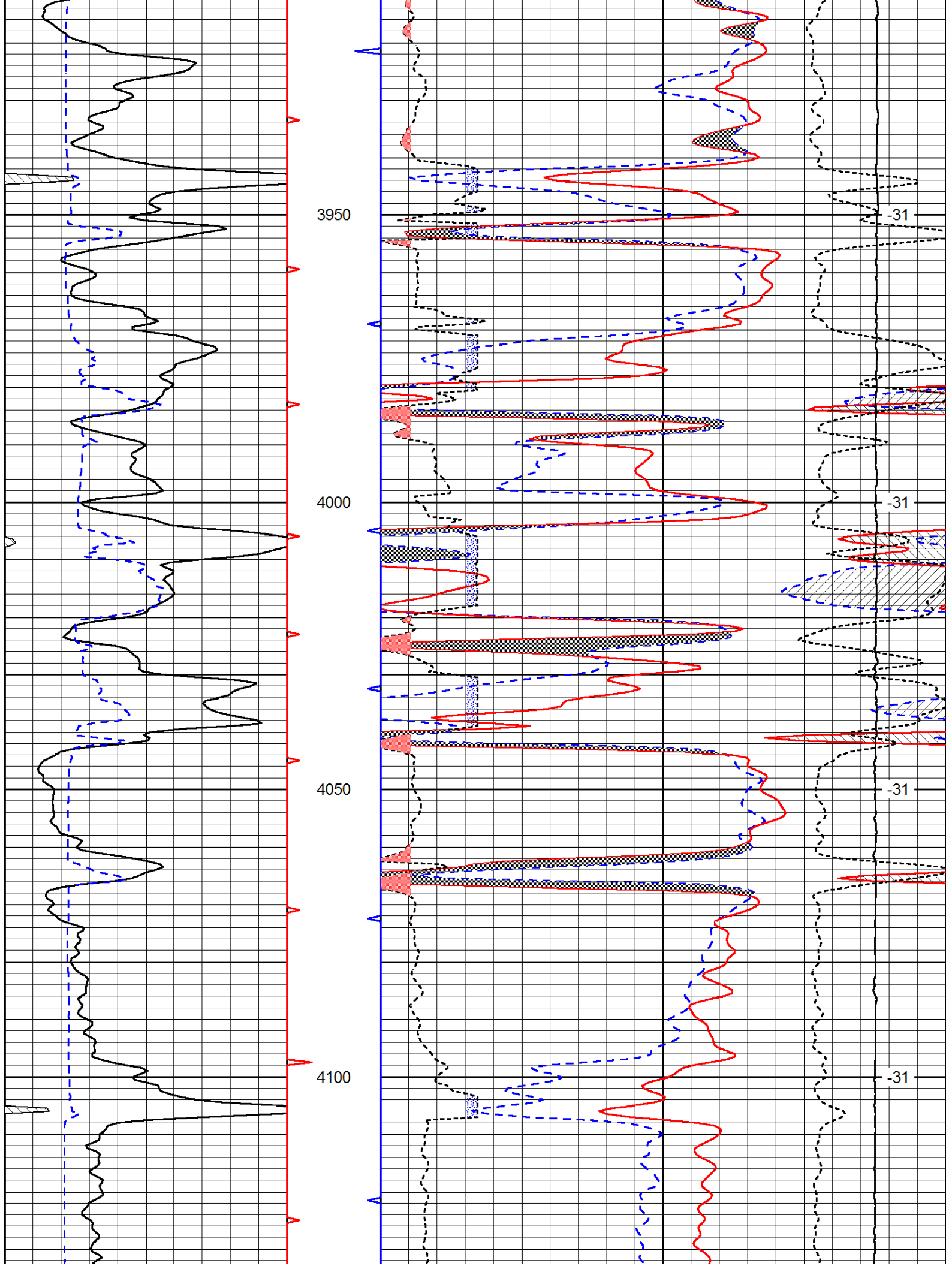
6 Caliper (GAPI) 16

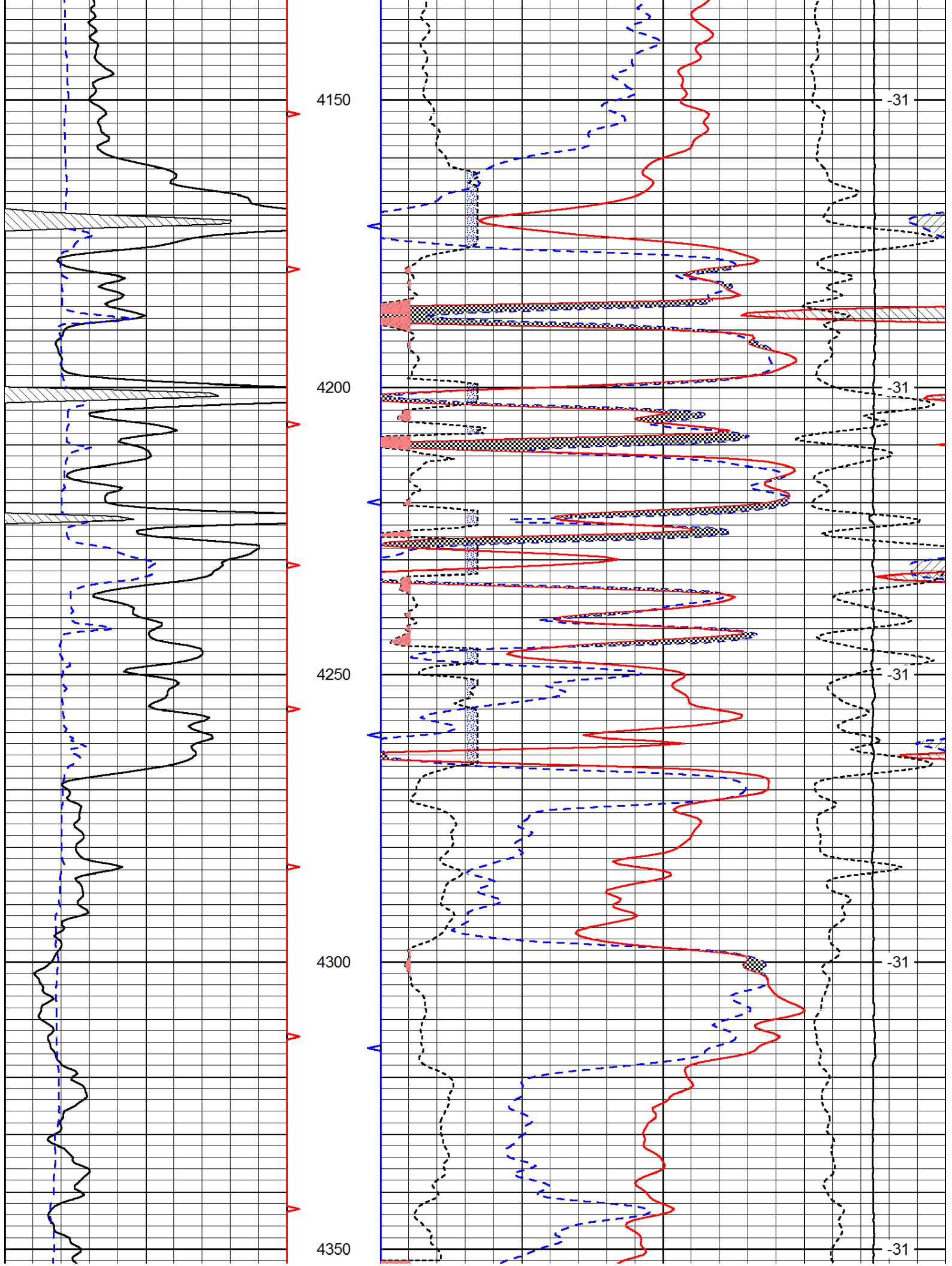
30 Compensated Density (Limestone) -10
2.625 DGA 3.425 -0.25 Correction 0.25
15000 Line Tension 0

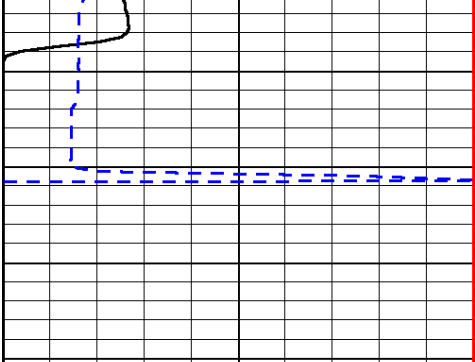
LSPD



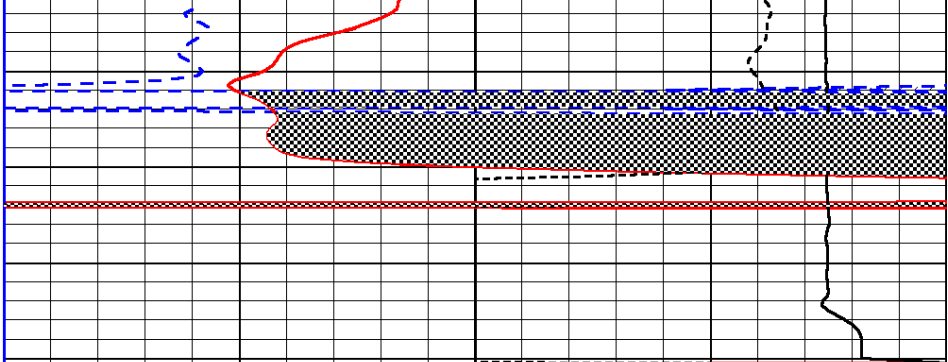








0	Gamma Ray	150
6	Caliper (GAPI)	16



30	Compensated Neutron (Limestone)	-10
30	Compensated Density (Limestone)	-10

2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

LSPD