PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-007-24,029-00-00

Company Toto Energy, LLC

Well Packard #24-1

Field Nurse

County Barber State Kansas

Location 1536' FNL & 625' FWL

Sec: 24 Twp: 31S Rge: 13W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1636
D.F.
G.L. 1625

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	6/26/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	4750
Depth Logger	4753
Bottom Logged Interval	4732
Top Logged Interval	3000
Type Fluid In Hole	Chemical
Salinity, PPM CL	7,000
Density	9.2
Level	Full
Max. Rec. Temp. F	124
Operating Rig Time	5 Hours
Equipment -- Location	17 Hays
Recorded By	C. Desaire
Witnessed By	Terry Madden

Borehole Record

Run No.	Bit	From	To
1	12.25	00	442
2	7.875	442	4750

Casing Record

Size	Wgt.	From	To
8.625	24#	00	442

Sean Deenihan

<<< Fold Here >>>

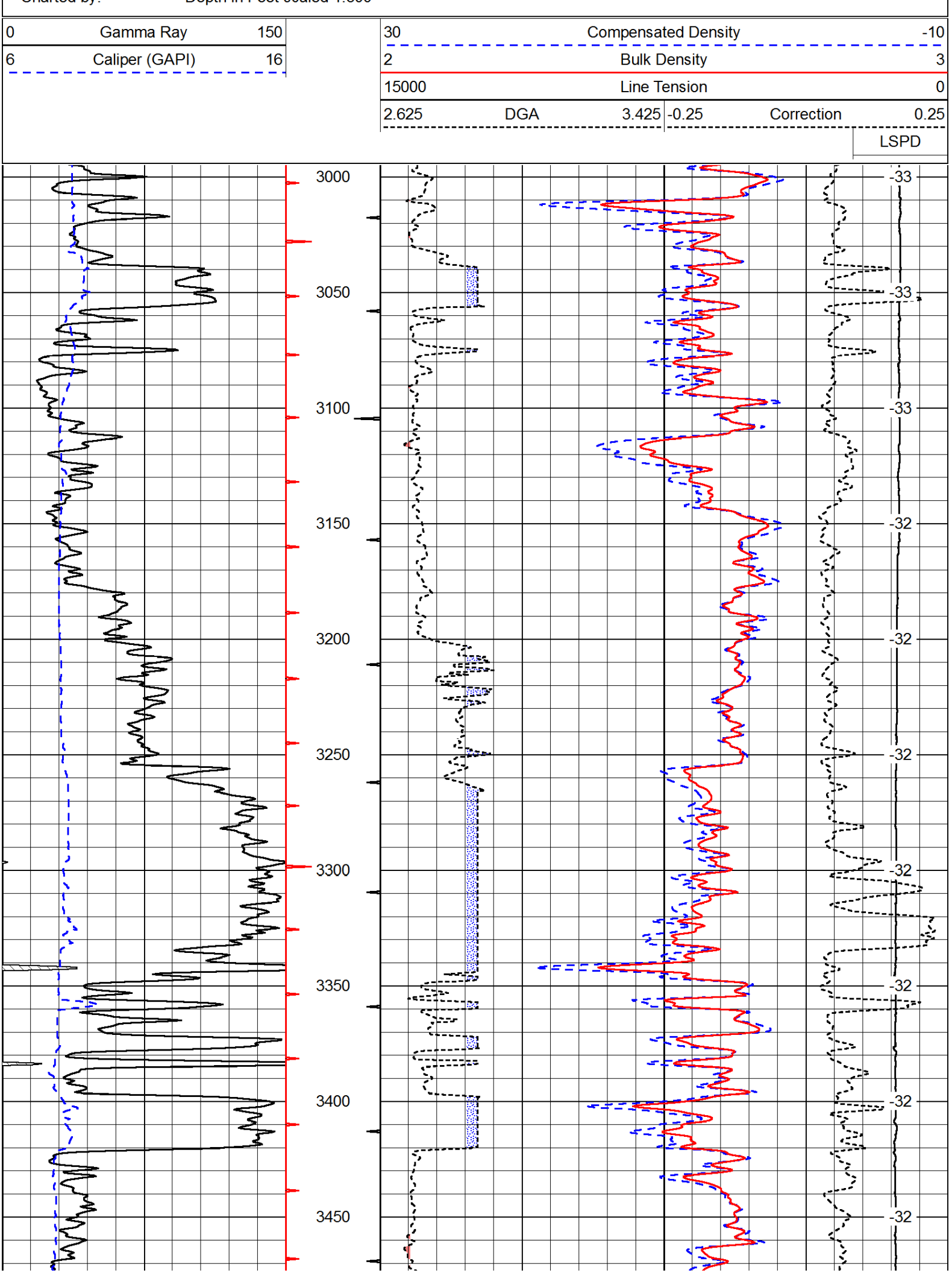
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

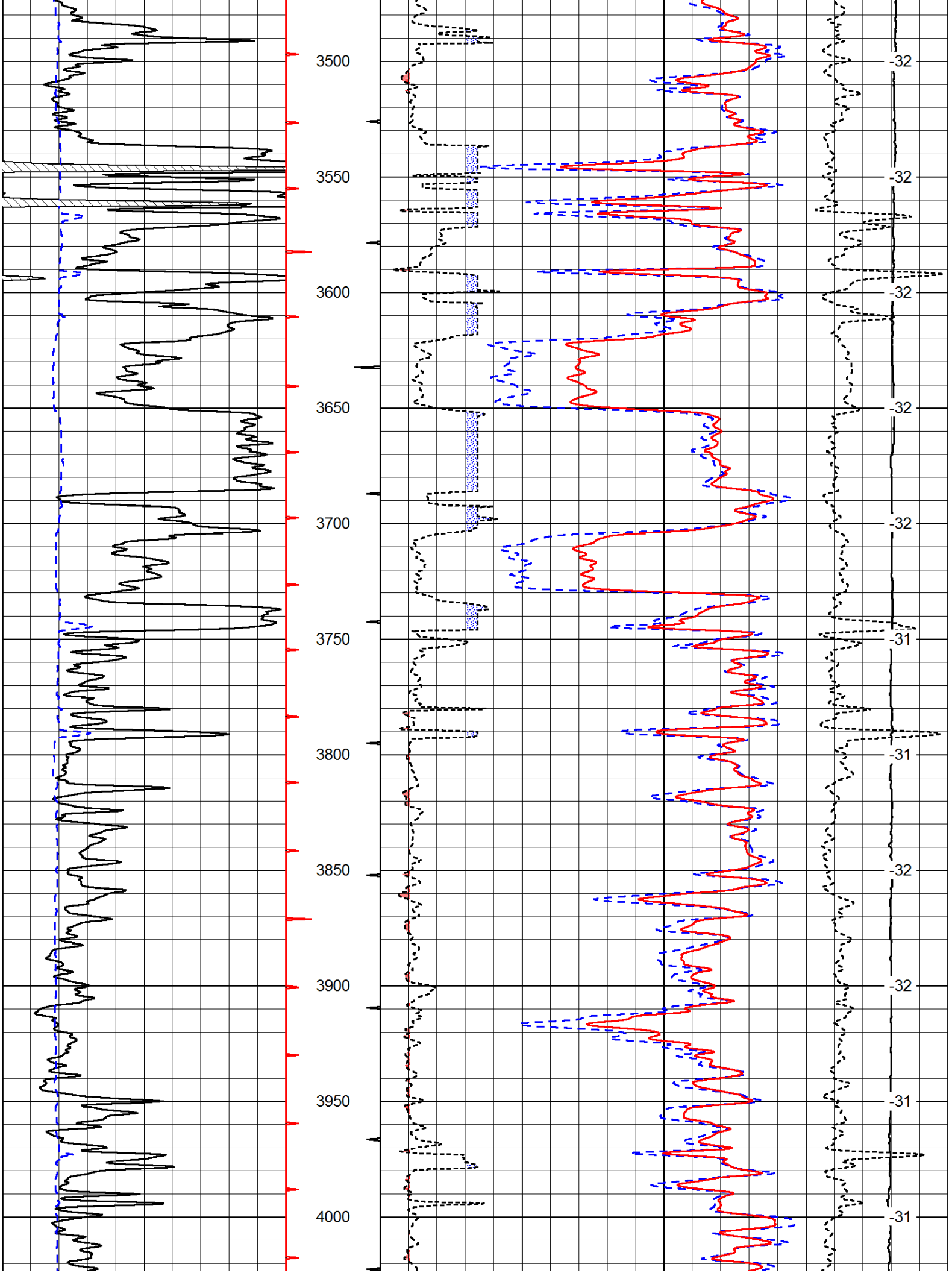
Comments

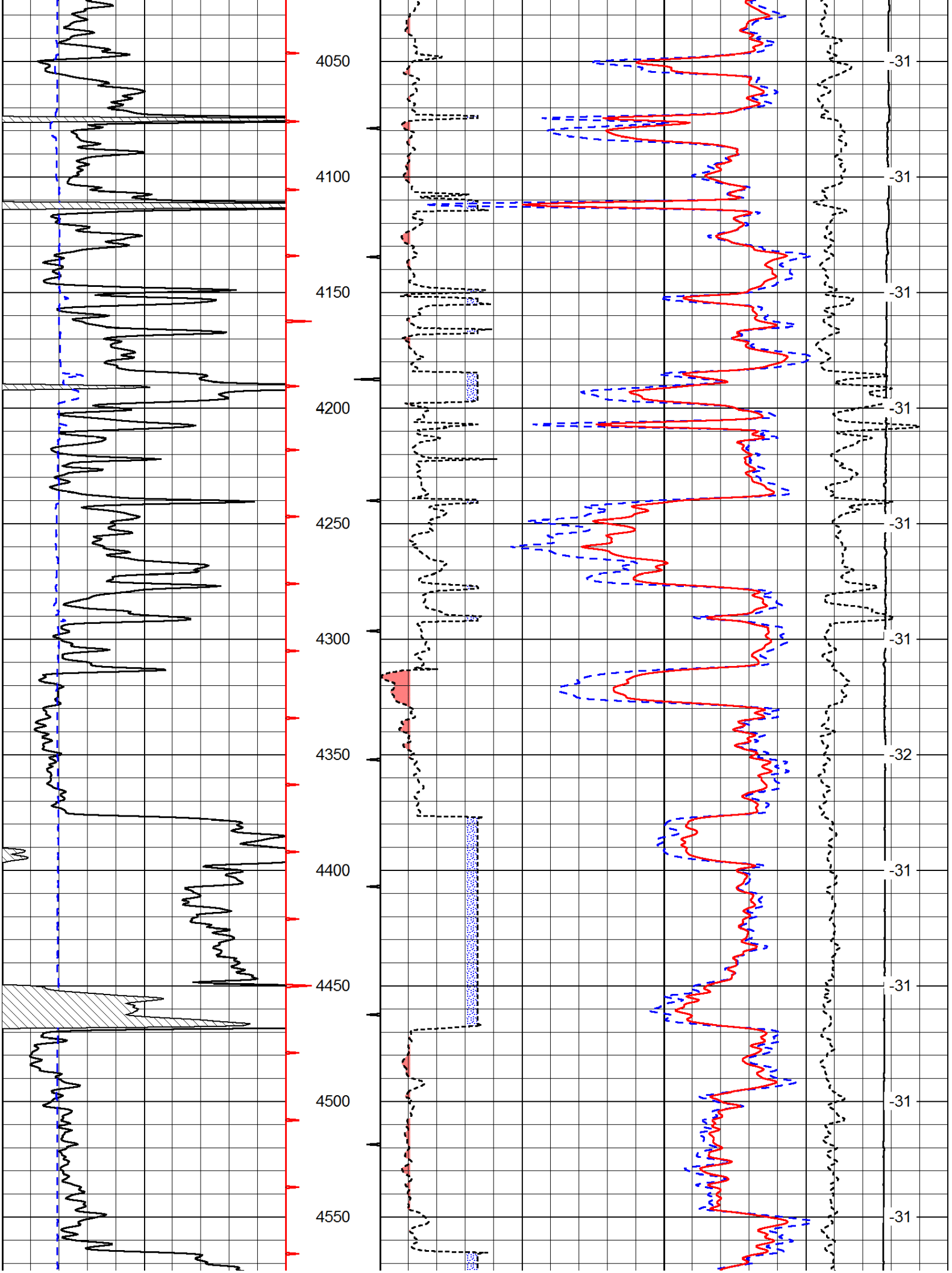
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

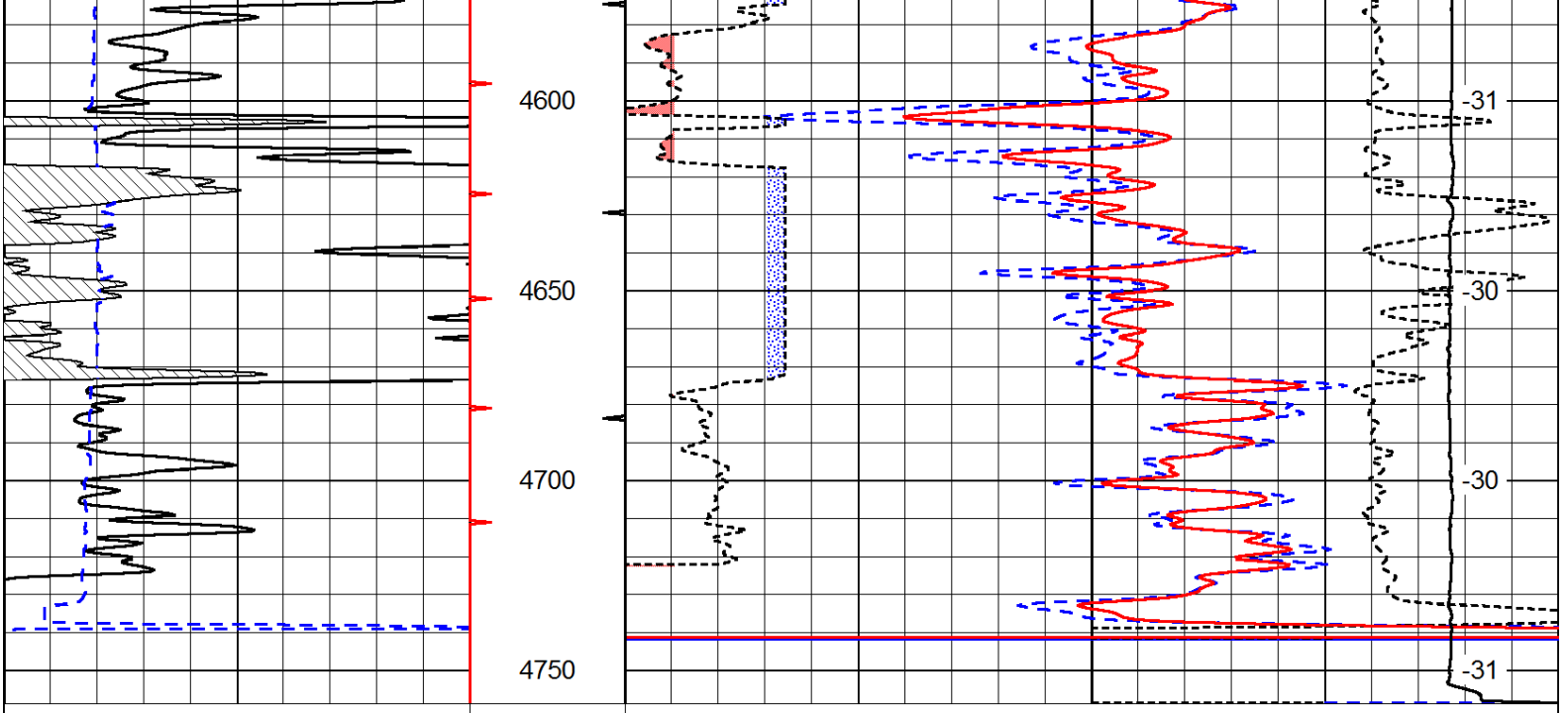
Medicine Lodge KS, 7 1/2 W on River Rd, N Into

Database File:	c:\warrior\data\toto energy_packard #24-1\totohd.db
Dataset Pathname:	dil/totostk
Presentation Format:	cdl
Dataset Creation:	Wed Jun 26 09:56:40 2013
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
3000
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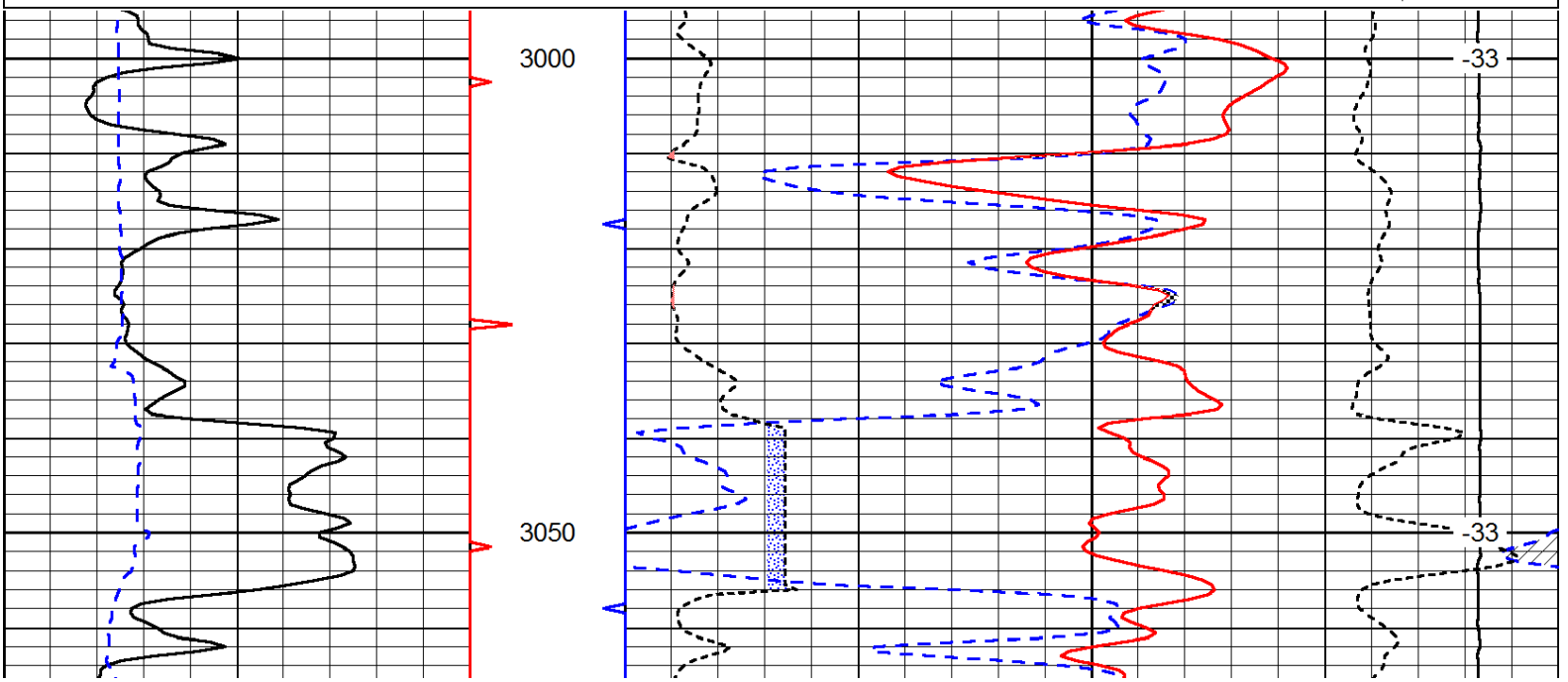
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6	Caliper (GAPI)	16

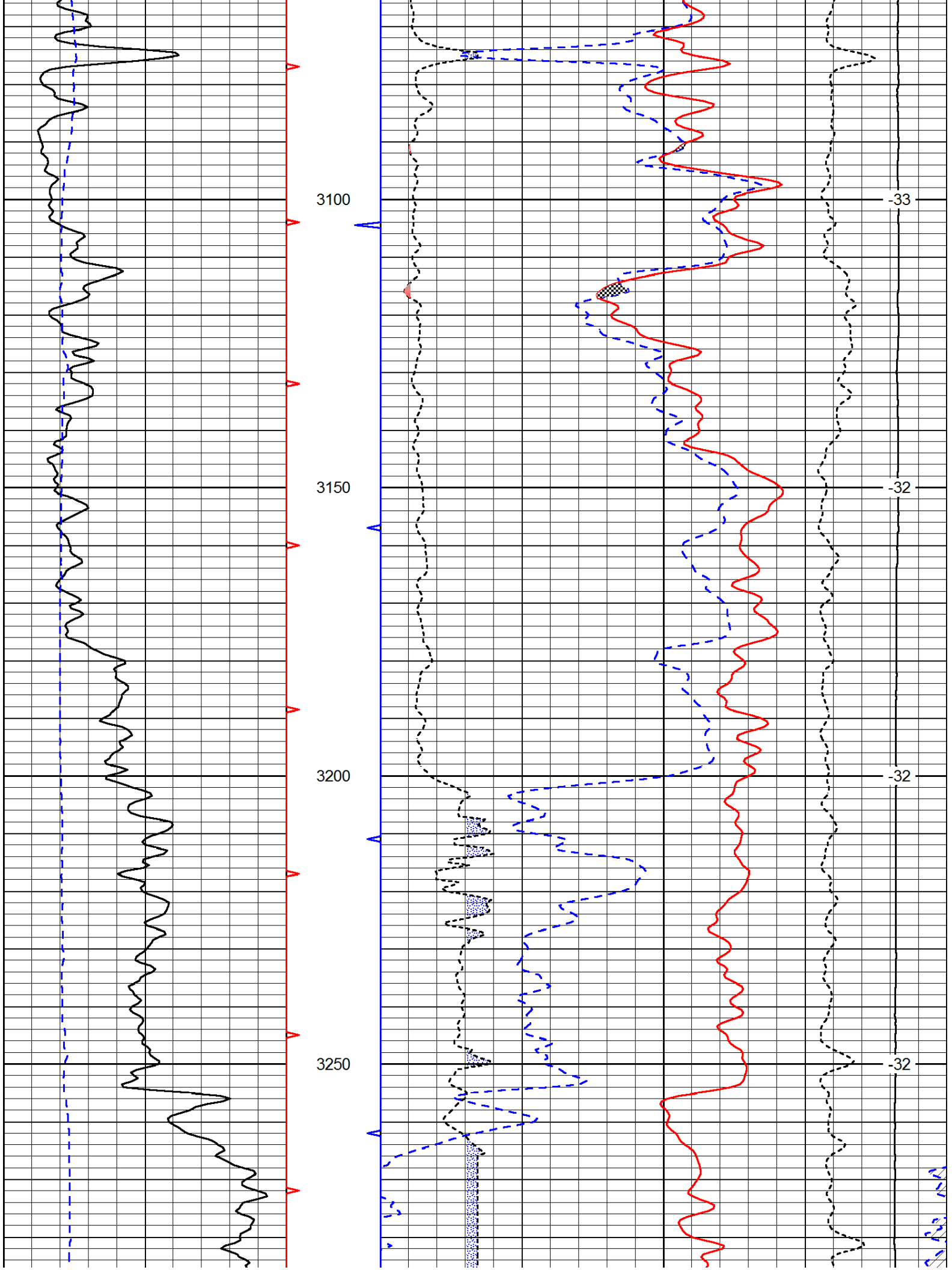
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

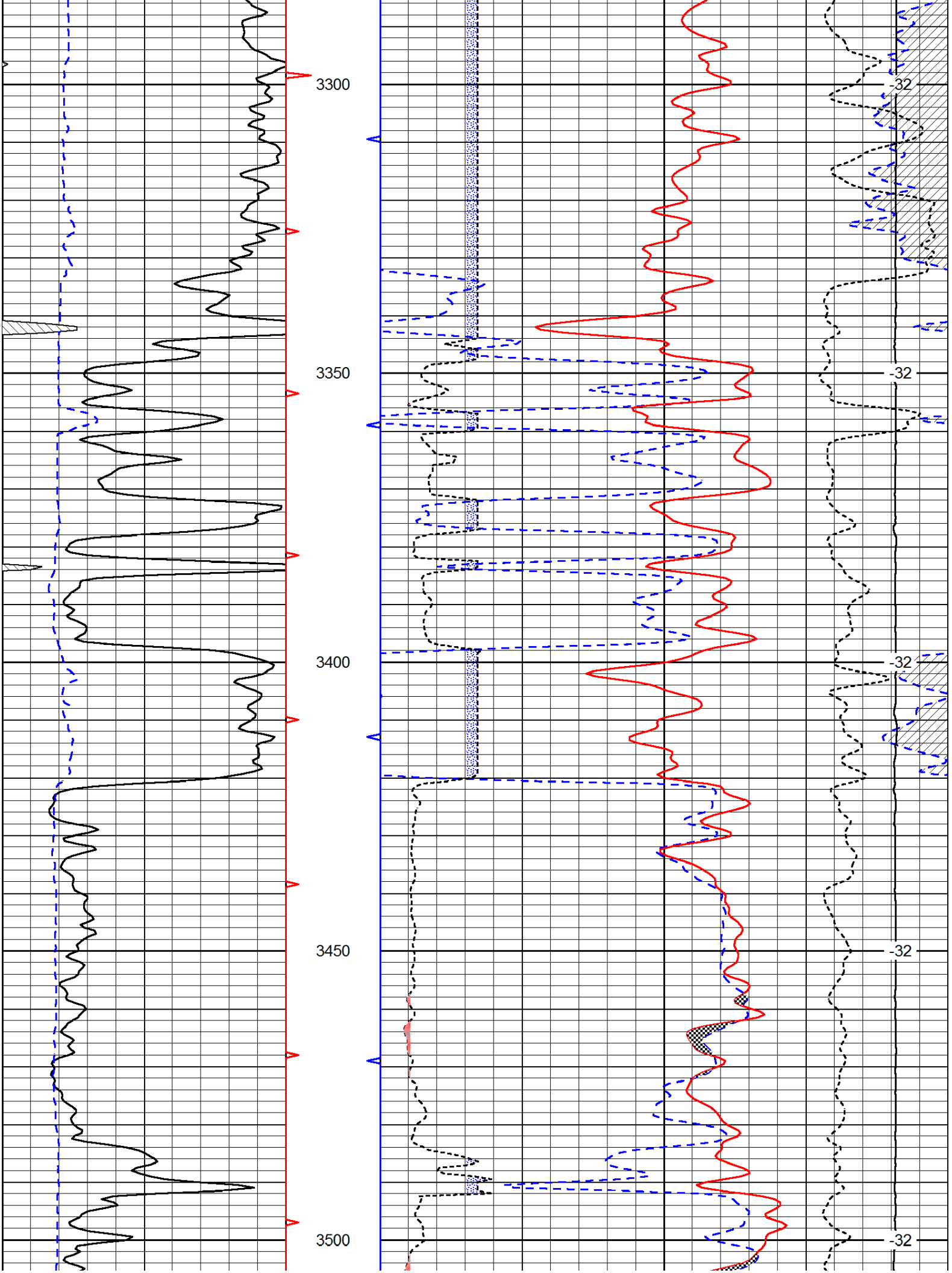
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Presentation Format: cndlspec
Dataset Creation: Wed Jun 26 09:56:40 2013
Charted by: Depth in Feet scaled 1:240

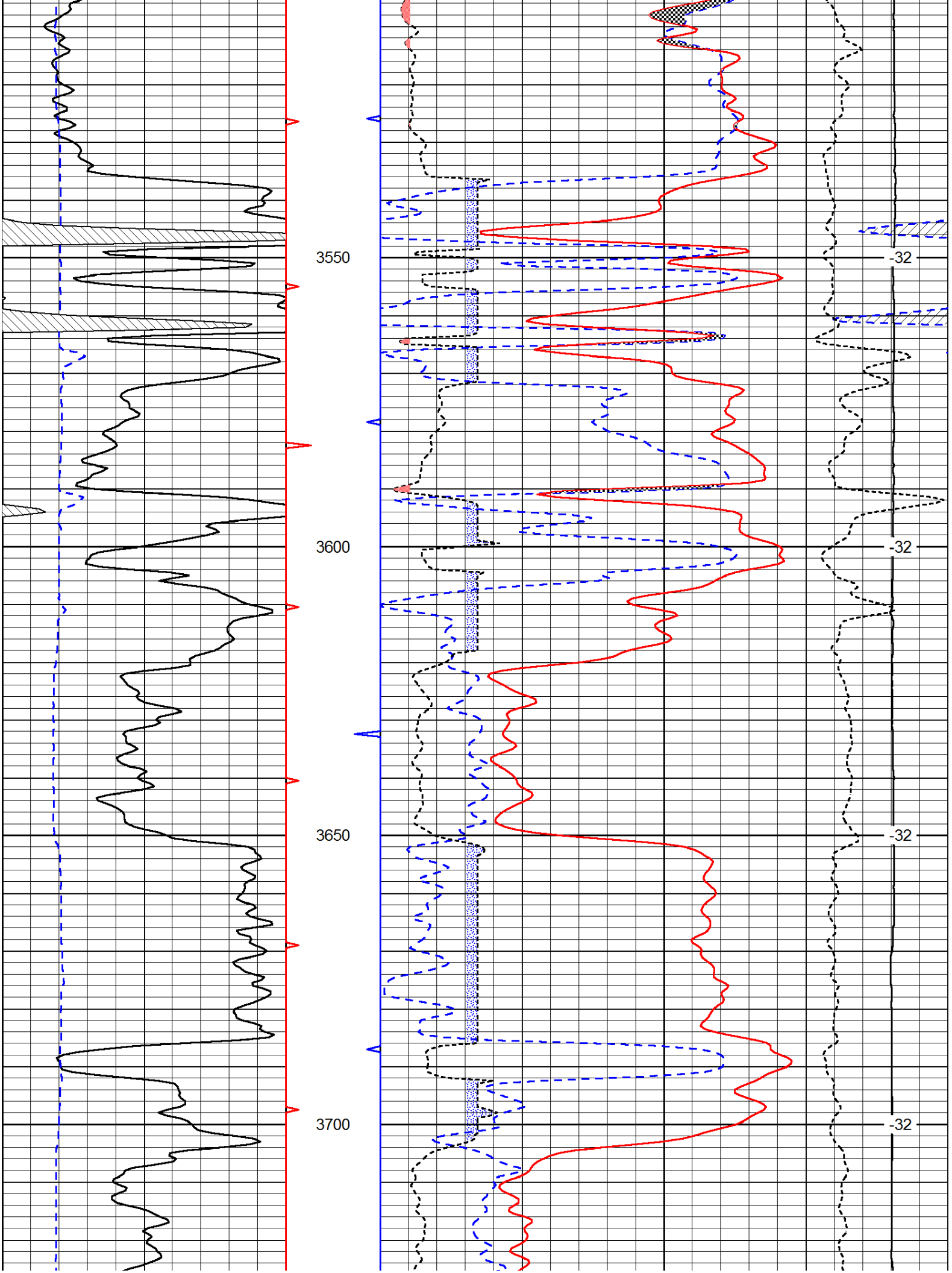
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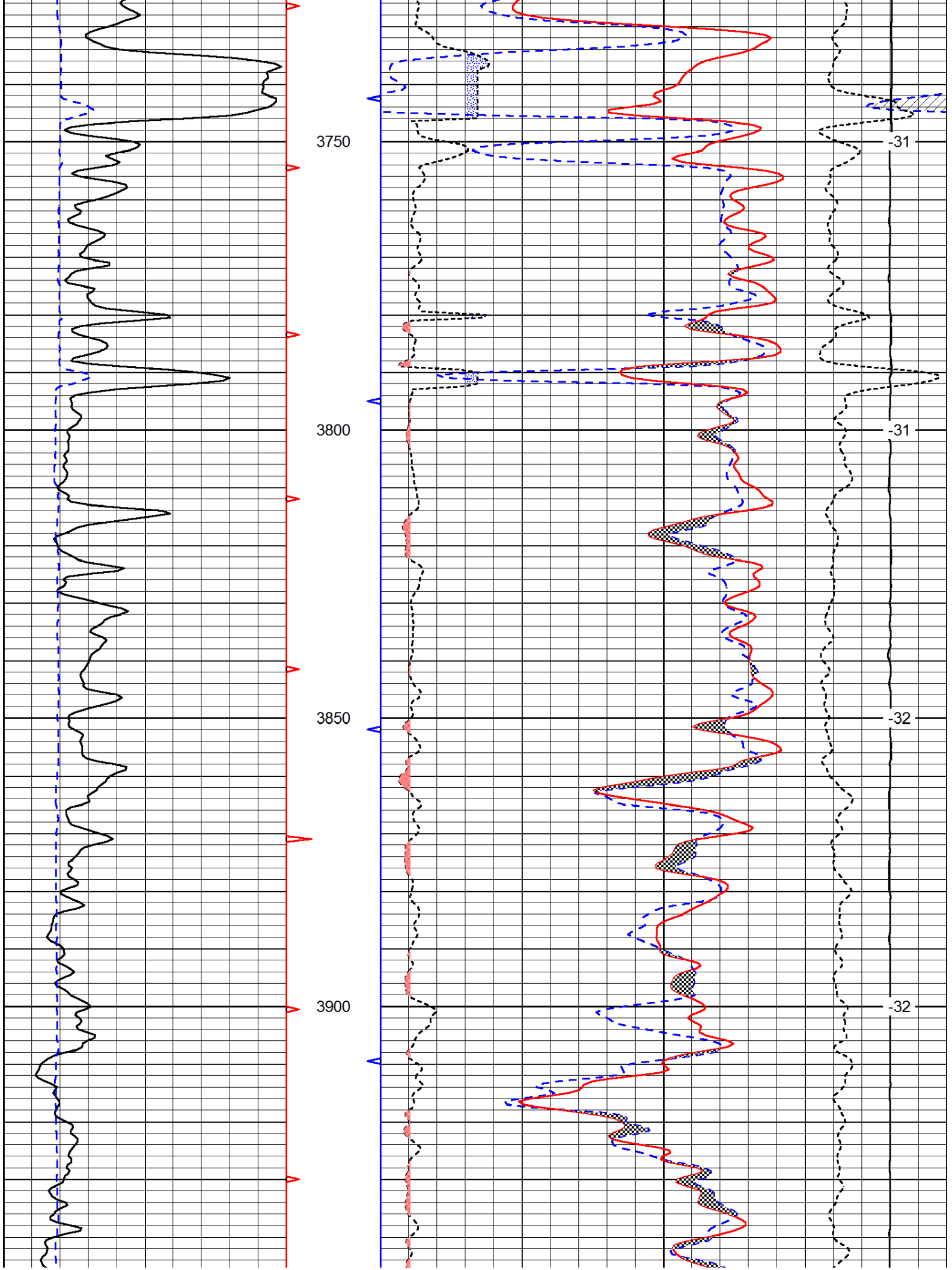
30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0
					LSPD

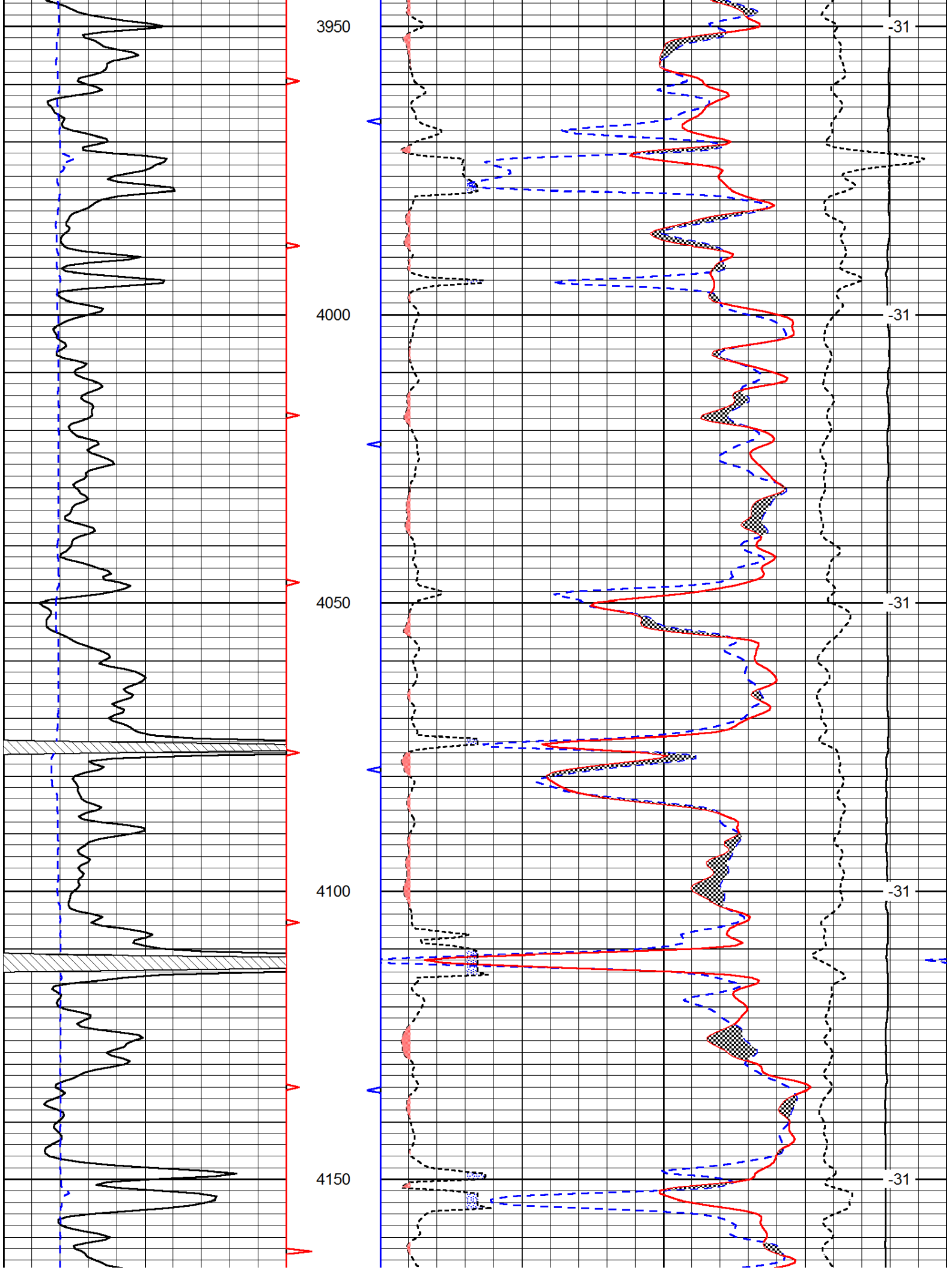


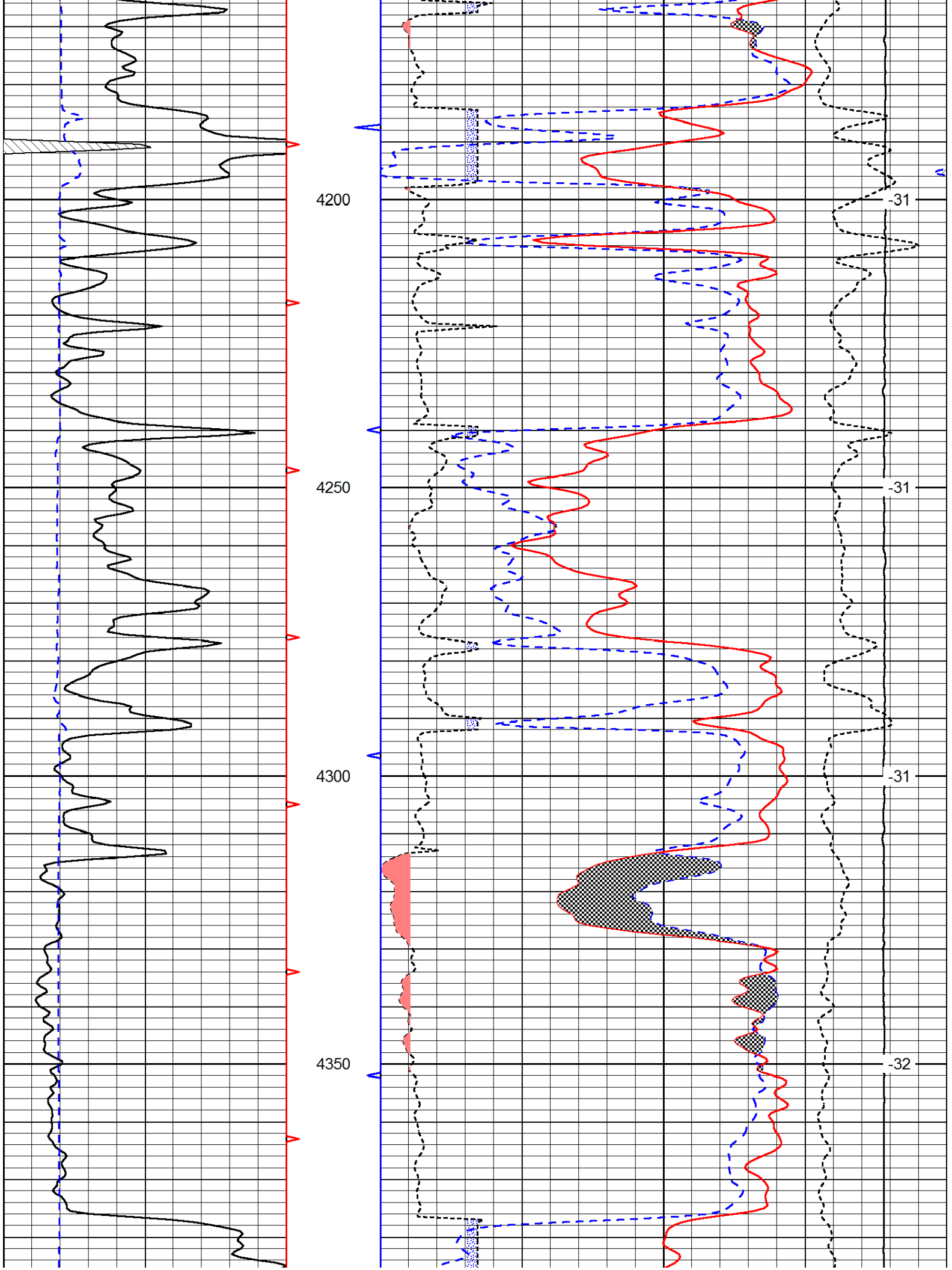

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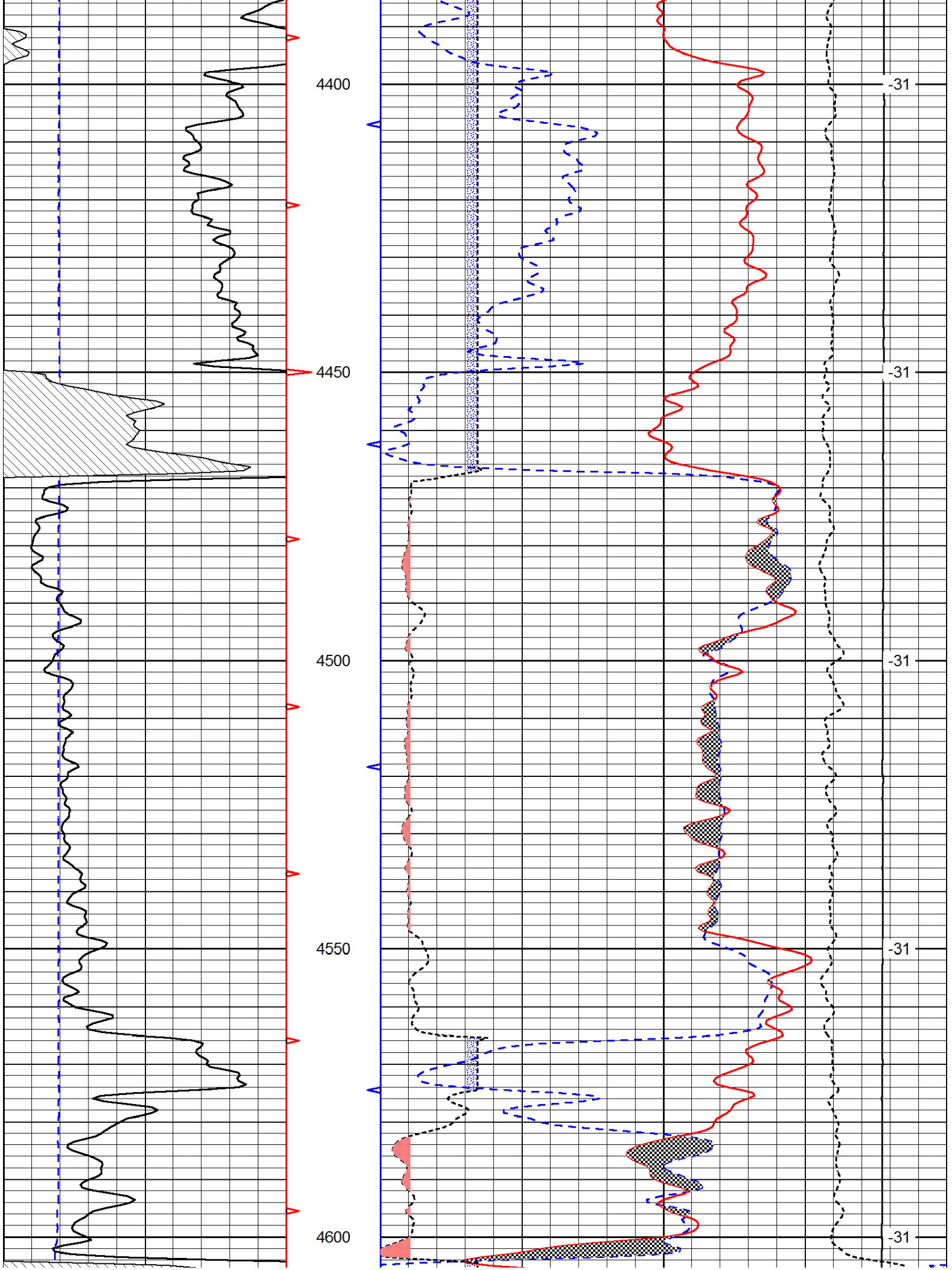

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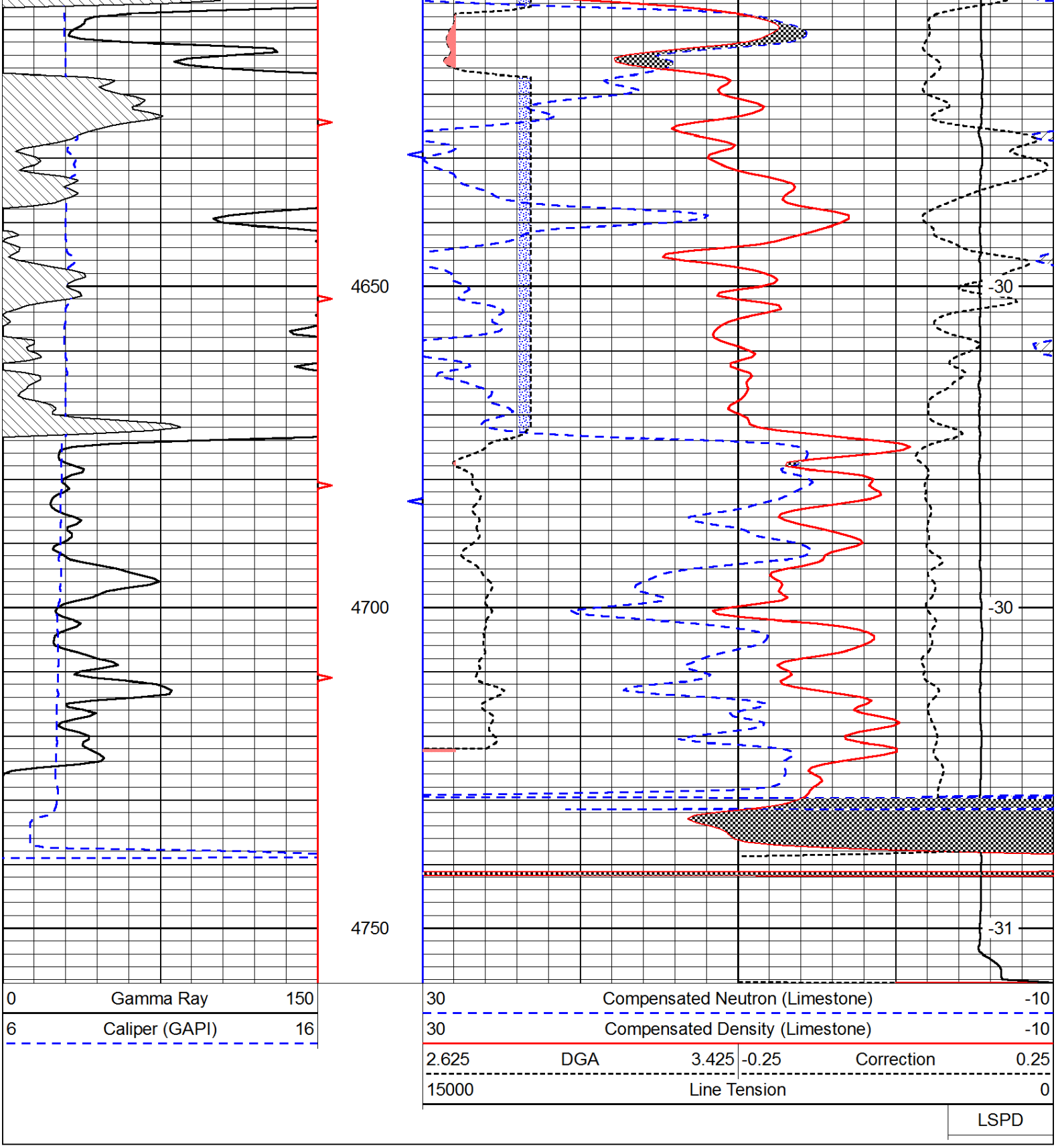

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6 Caliper (GAPI) 16
30 Compensated Neutron (Limestone) -10
30 Compensated Density (Limestone) -10
2.625 DGA 3.425
-0.25 Correction 0.25
15000 Line Tension 0
LSPD