LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-141-20415-00-00

Company Bruce Oil Company, L.L.C.

Well Schultze No. 1

Field

County Osborne State Kansas

Location S2 NE SW
1,650' FSL & 1,980' FWL
Sec: 23 Twp: 8S Rge: 14W

Permanent Datum Ground Level Elevation 1808
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL
MEL

Elevation
K.B. 1813
D.F.
G.L. 1808

Date	9/2/2010
Run Number	One
Type Log	CNL / CDL
Depth Driller	3640
Depth Logger	3638
Bottom Logged Interval	3617
Top Logged Interval	1400
Type Fluid In Hole	Chemical
Salinity, PPM CL	7000
Density	8.8
Level	Full
Max. Rec. Temp. F	112
Operating Rig Time	4 Hours
Equipment -- Location	10 Hays
Recorded By	J. Long
Witnessed By	Bob Peterson

Borehole Record

Run No.	Bit	From	To
1	12.25	00	781
2	7.875	781	3640

Casing Record

Size	Wgt.	From	To
8.625	24#	00	781
		Lonny Bruce	

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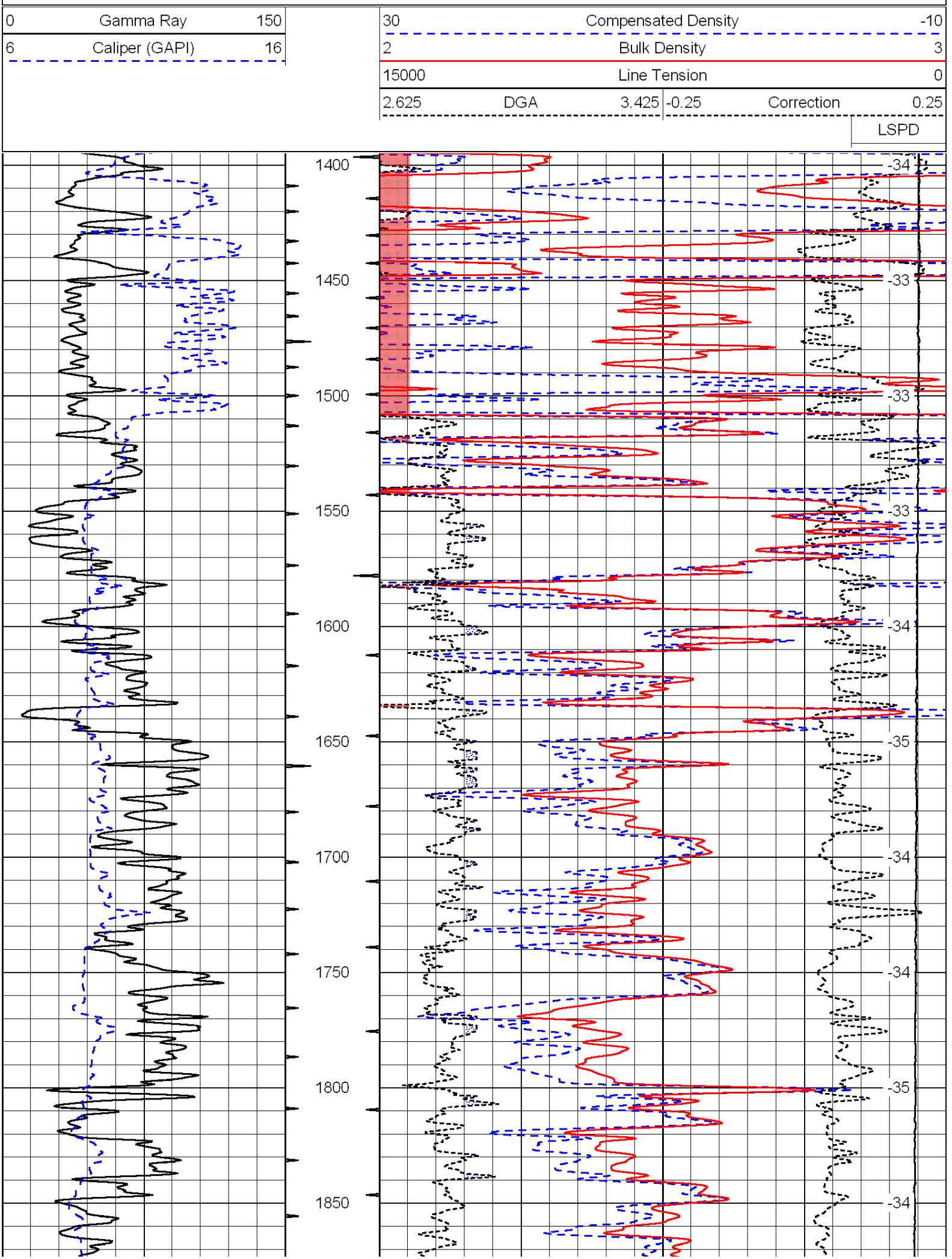
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

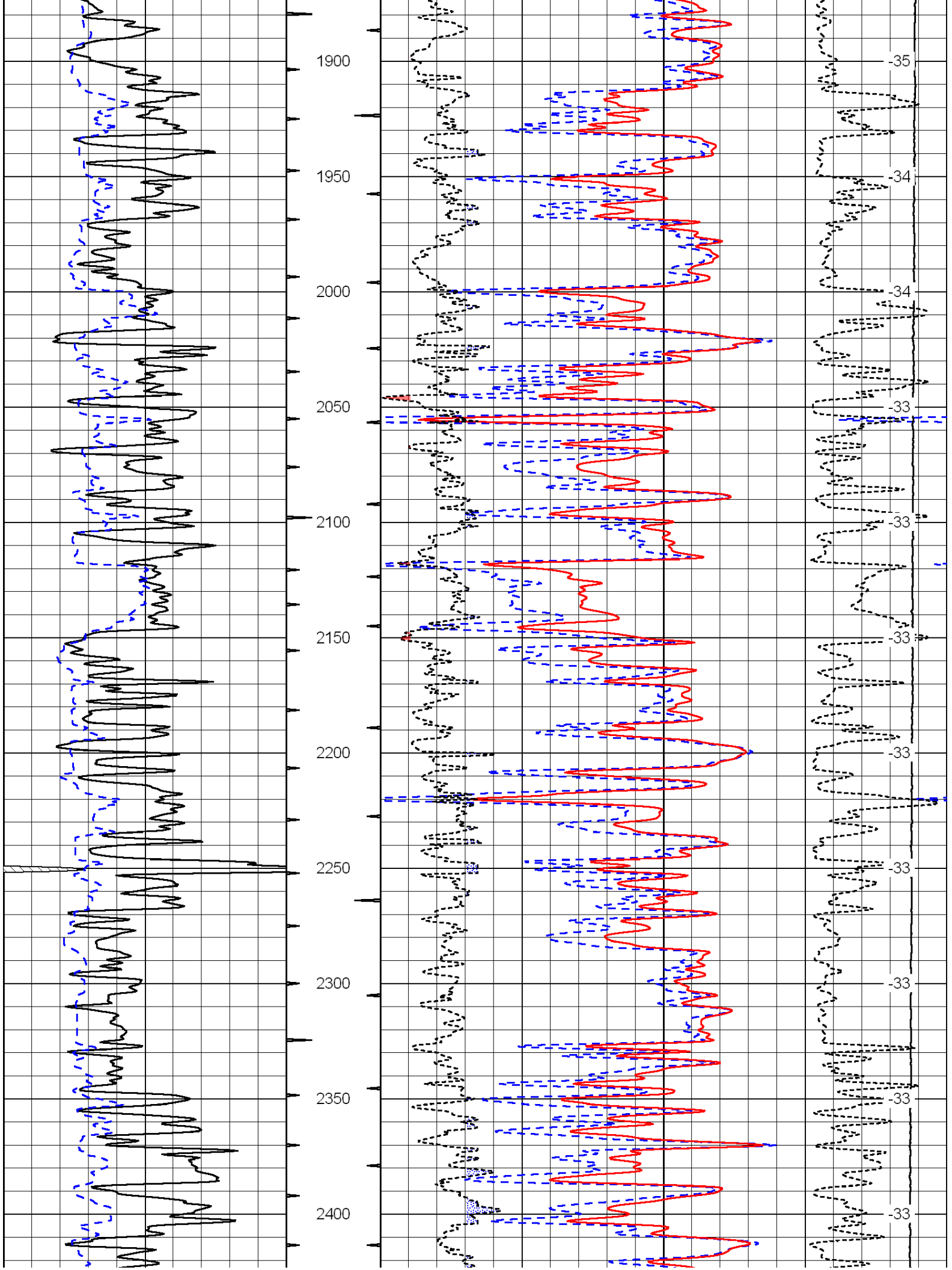
Comments

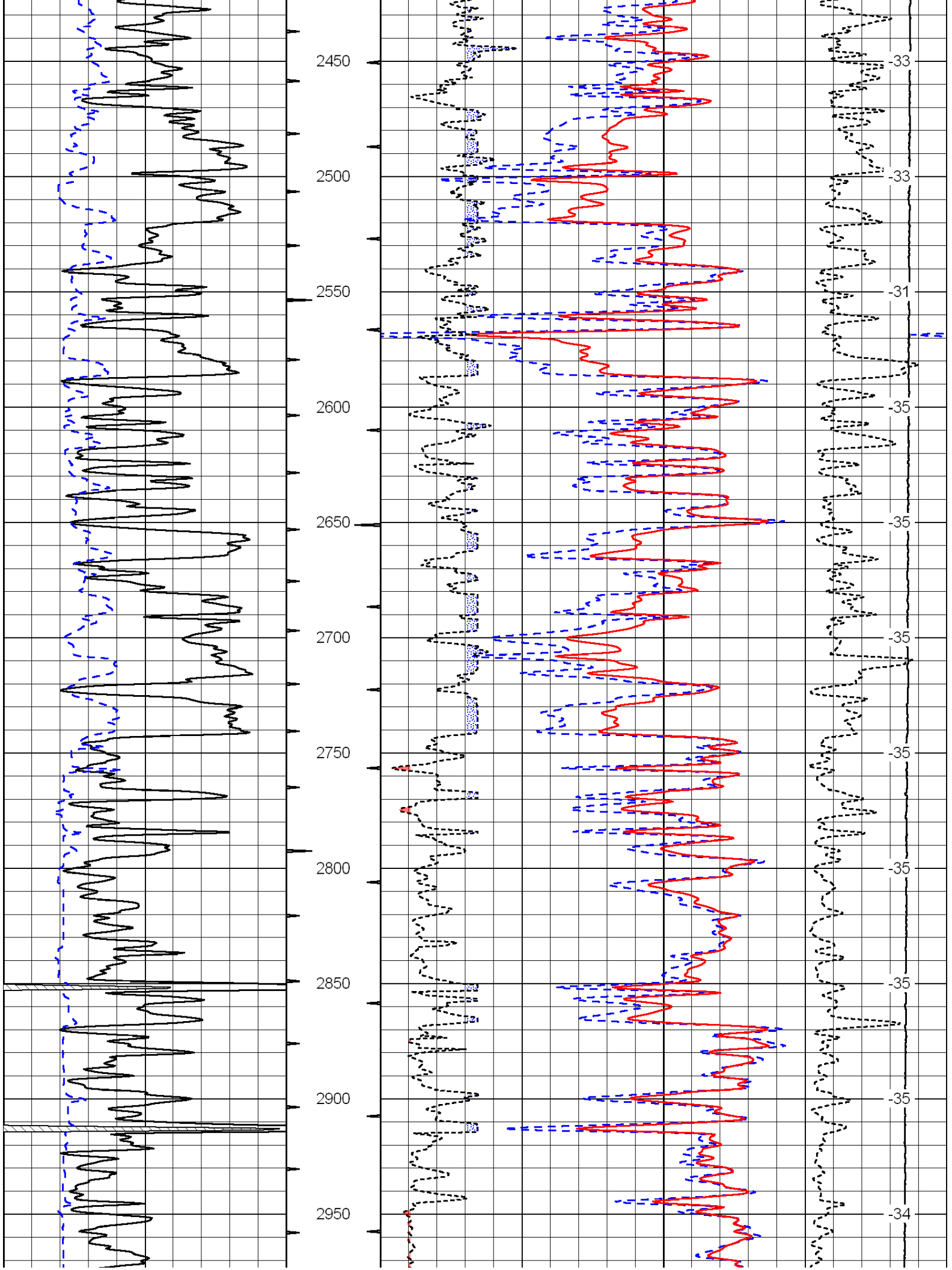
Thank you for using Log-Tech, Inc.
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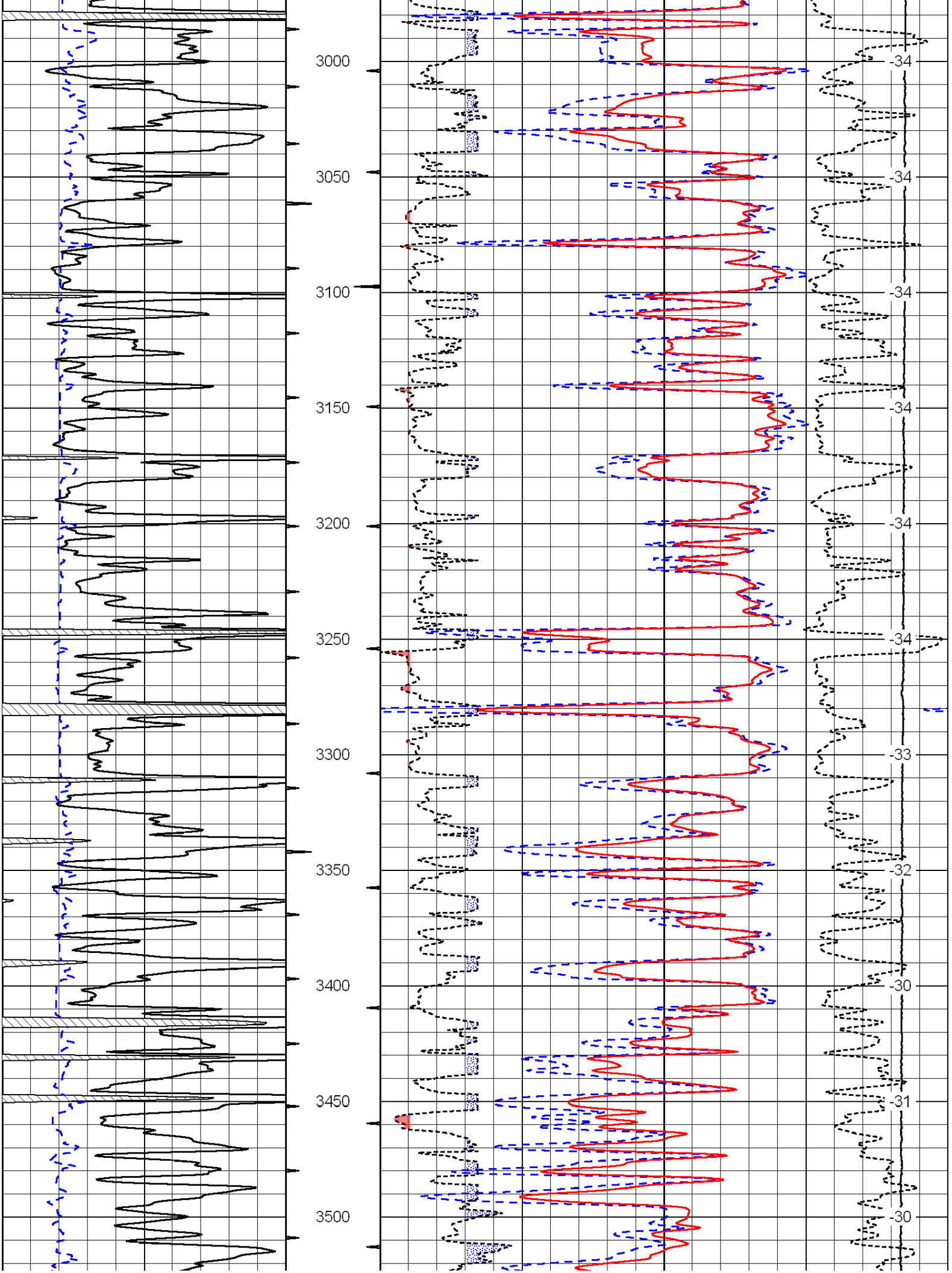
Russell, North to Highway 281 and Highway 18 Intersection, 3 1/2 West to 182 Rd, North to curve, 1/2 East, 8 North to 220 Dr, 2 East, 5 1/2 North on 200th Avenue to T, East 1/4, North to Gate, North Into

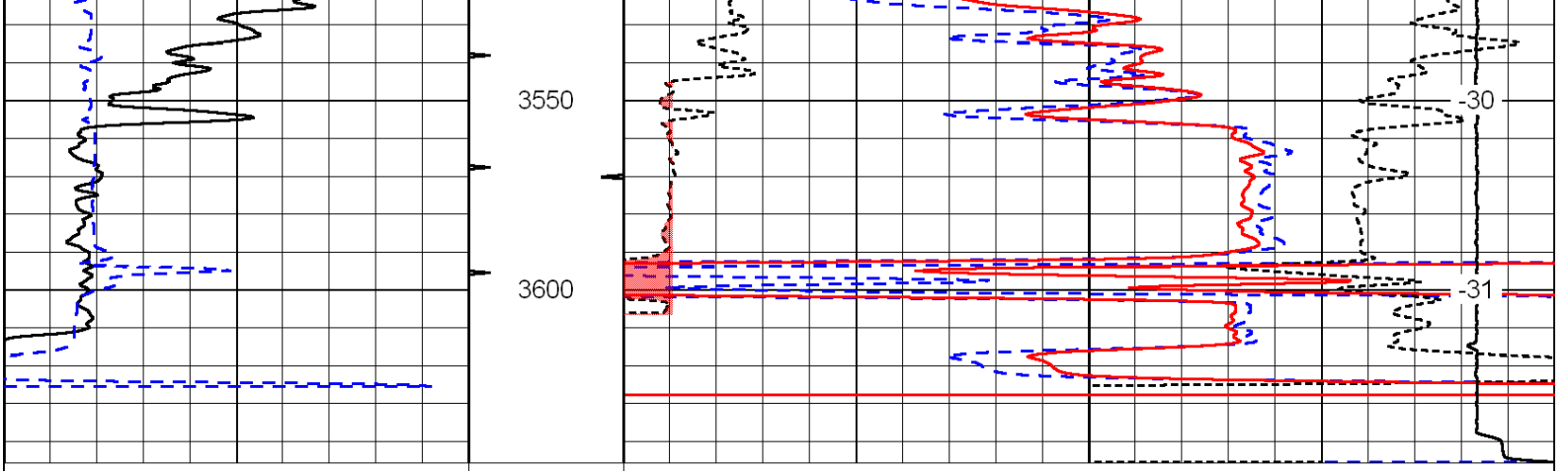
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Presentation Format:	cdl
Dataset Creation:	Thu Sep 02 17:15:23 2010
Charted by:	Depth in Feet scaled 1:600


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
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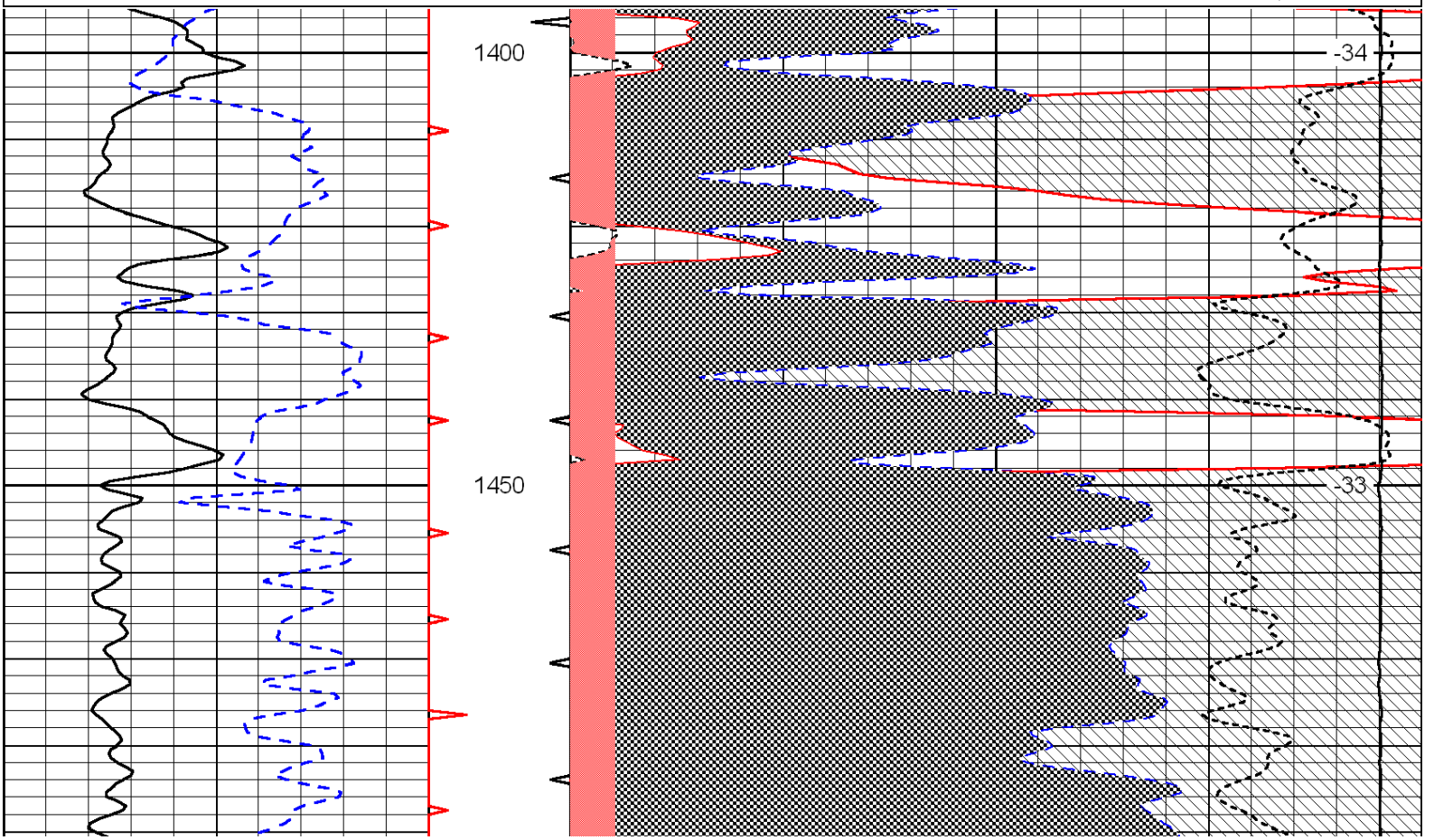
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6	Caliper (GAPI)	16

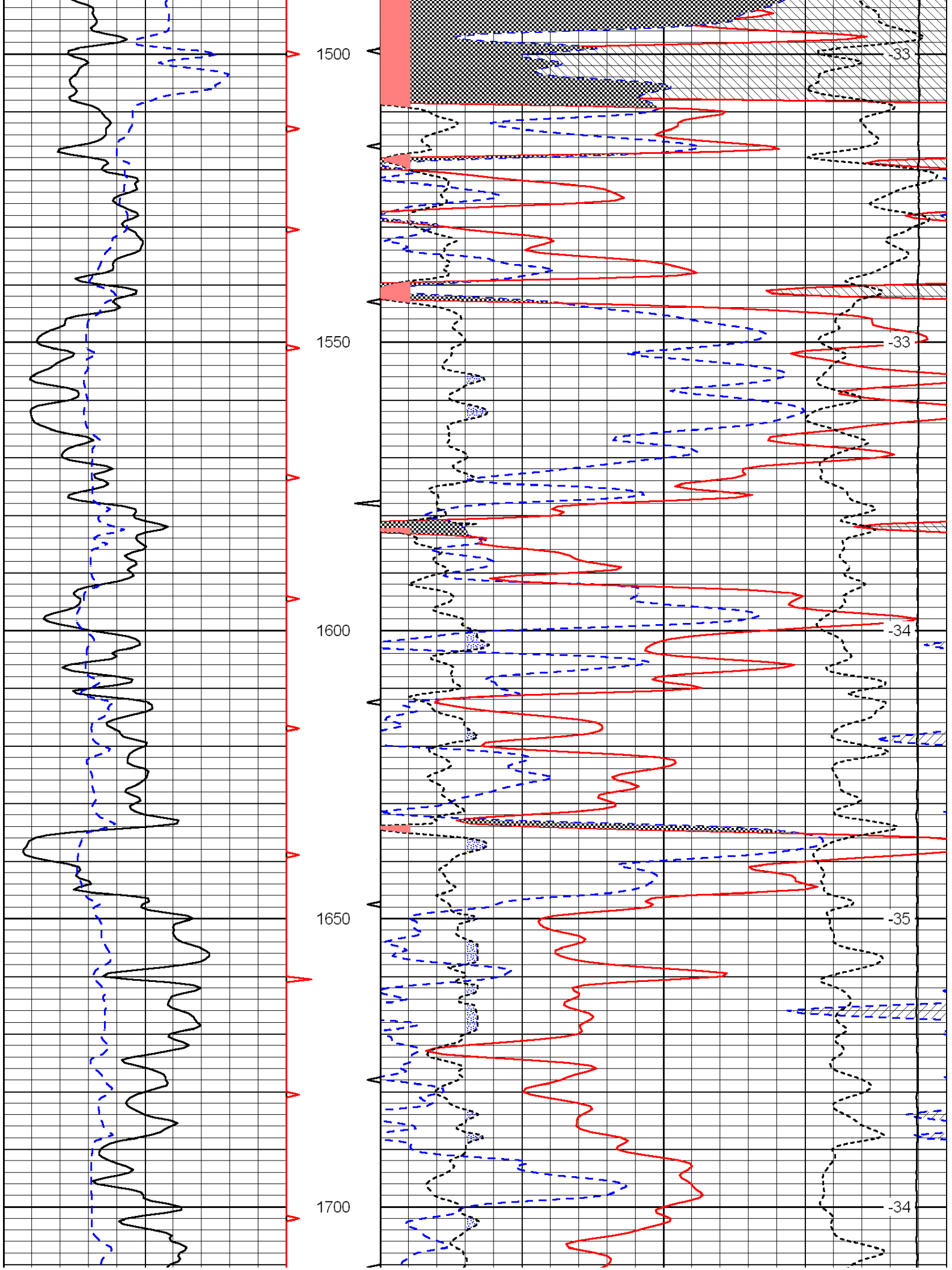
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

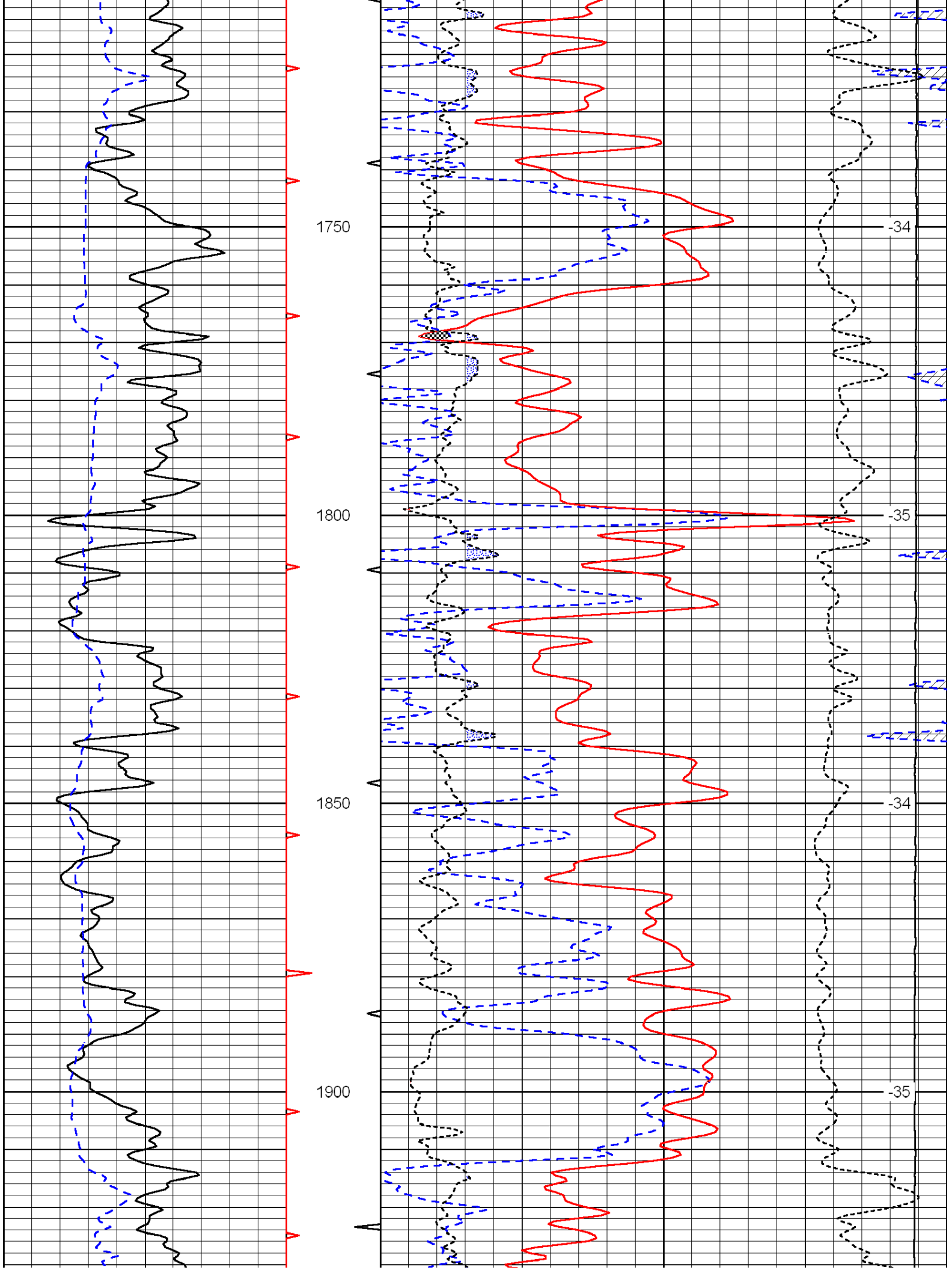
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Dataset Creation:	Thu Sep 02 17:15:23 2010
Charted by:	Depth in Feet scaled 1:240

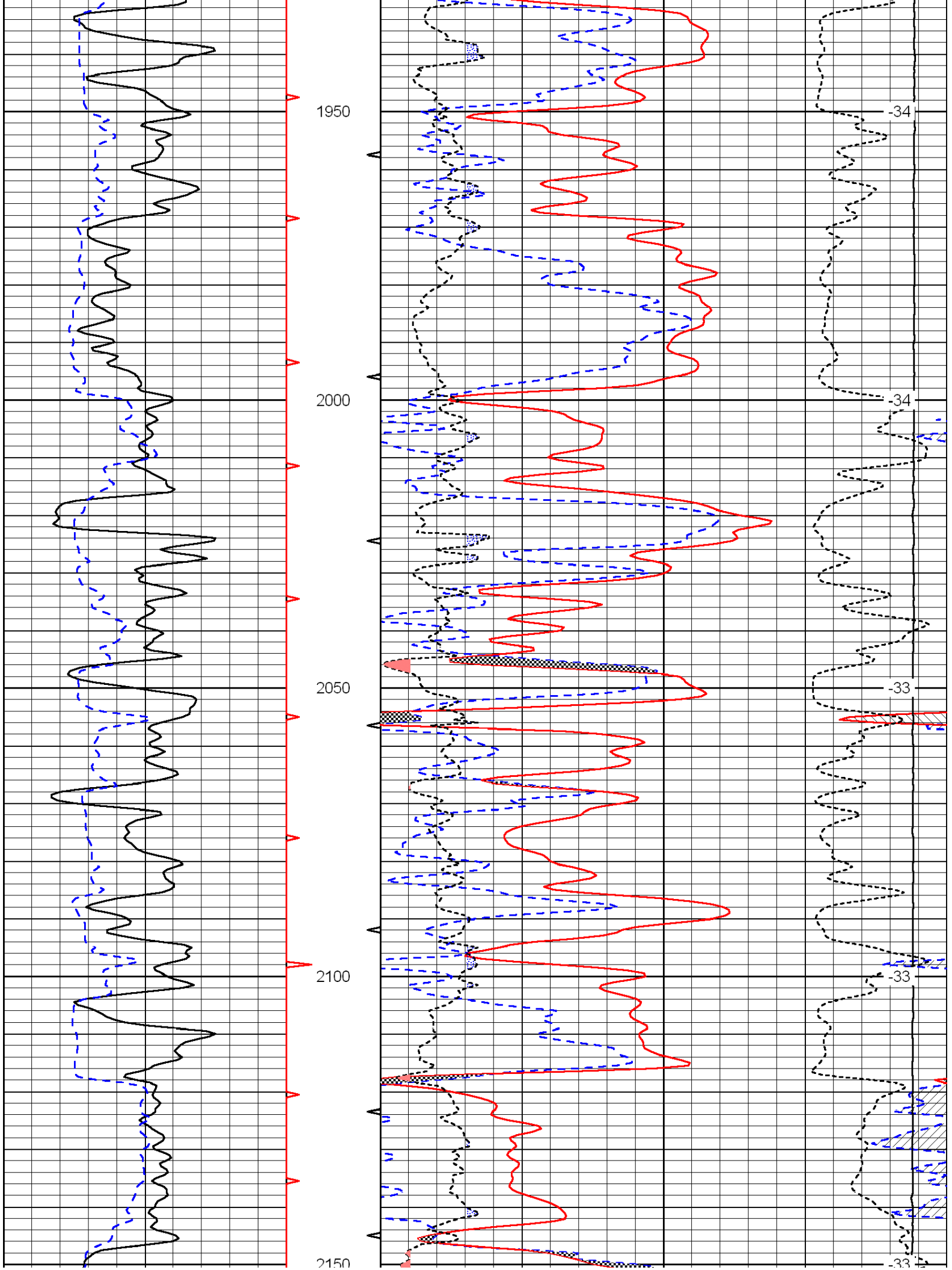
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6	Caliper (GAPI)	16

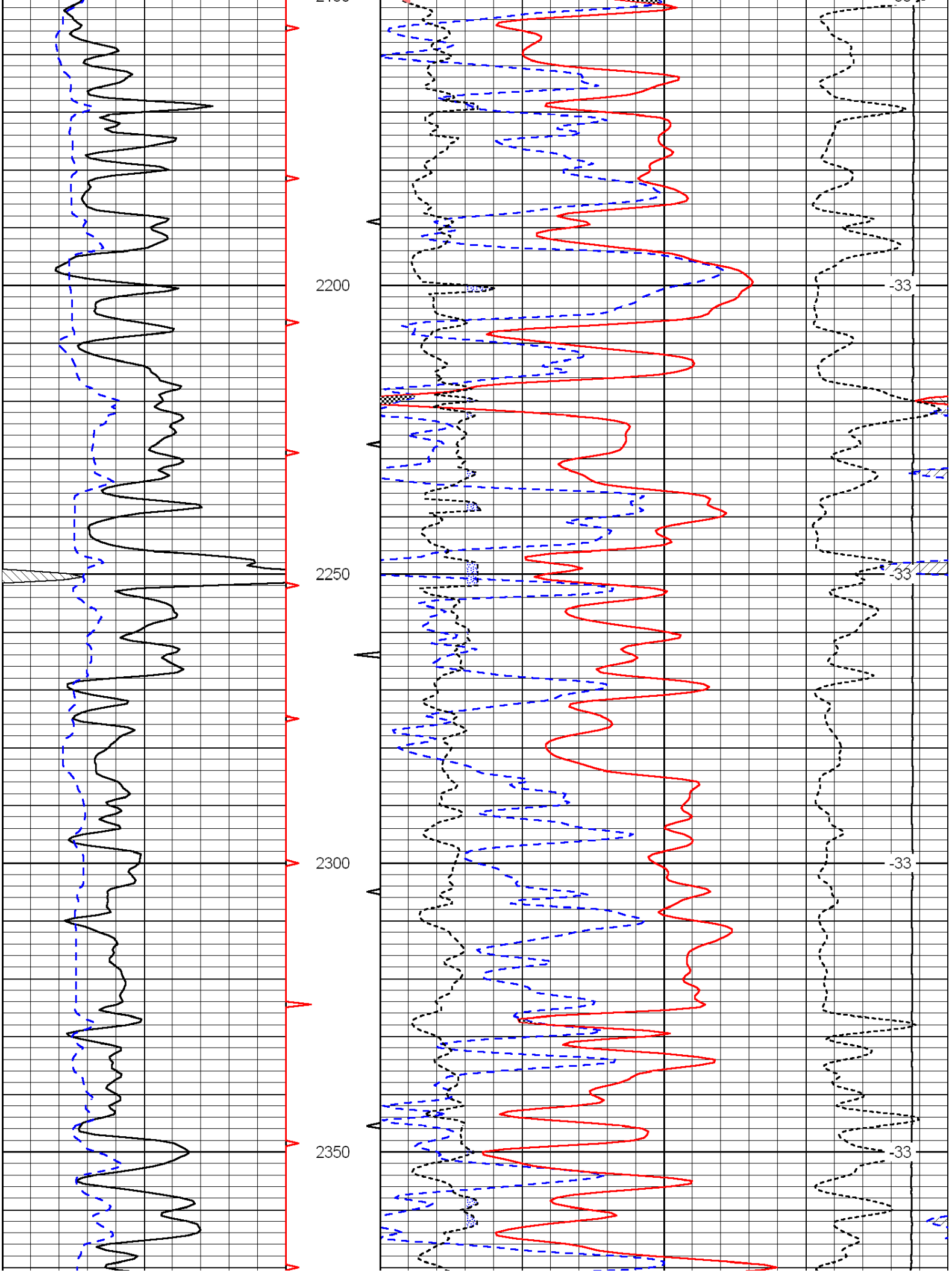
30	Compensated Neutron (Limestone)				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0
					LSPD

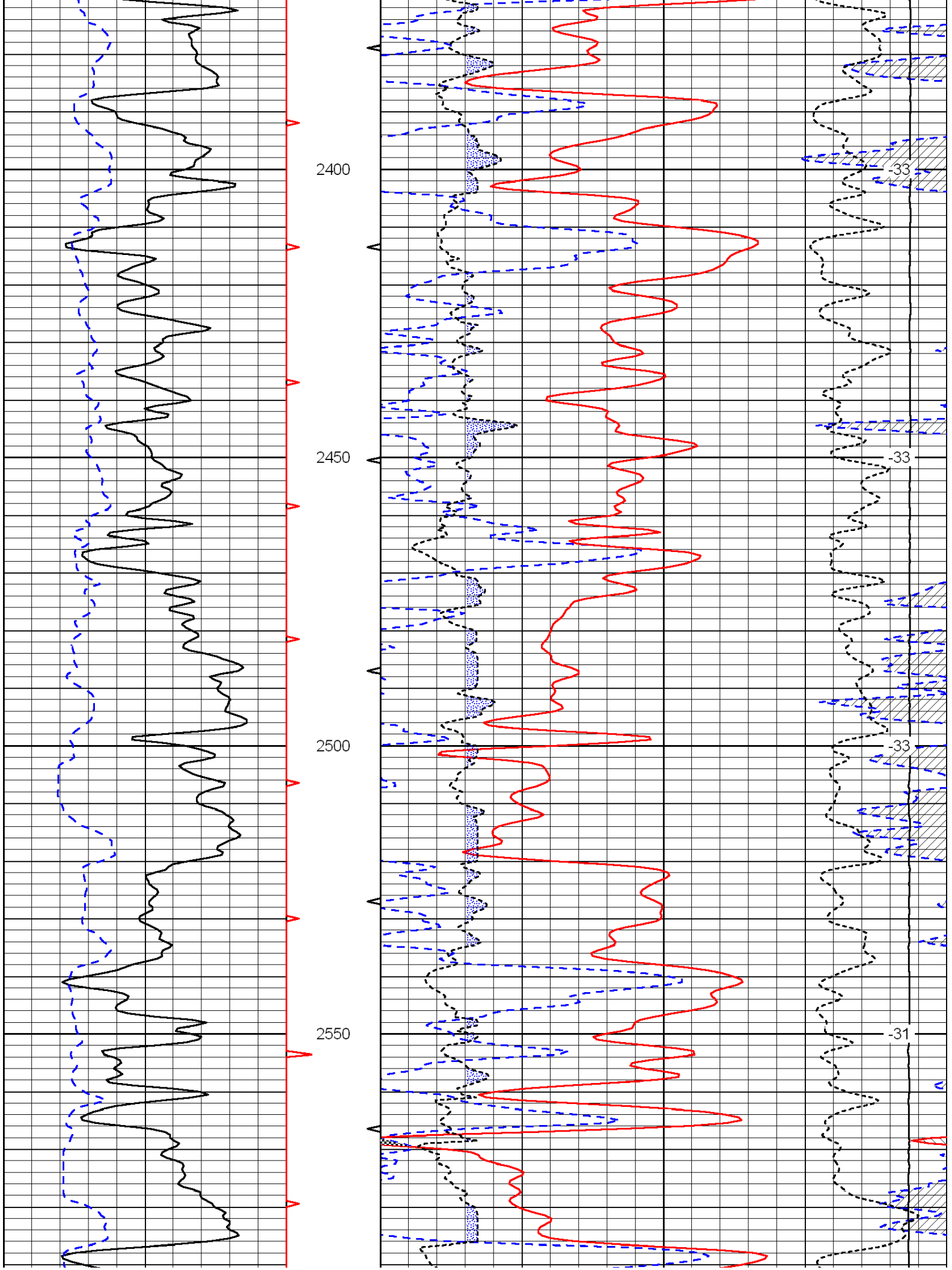


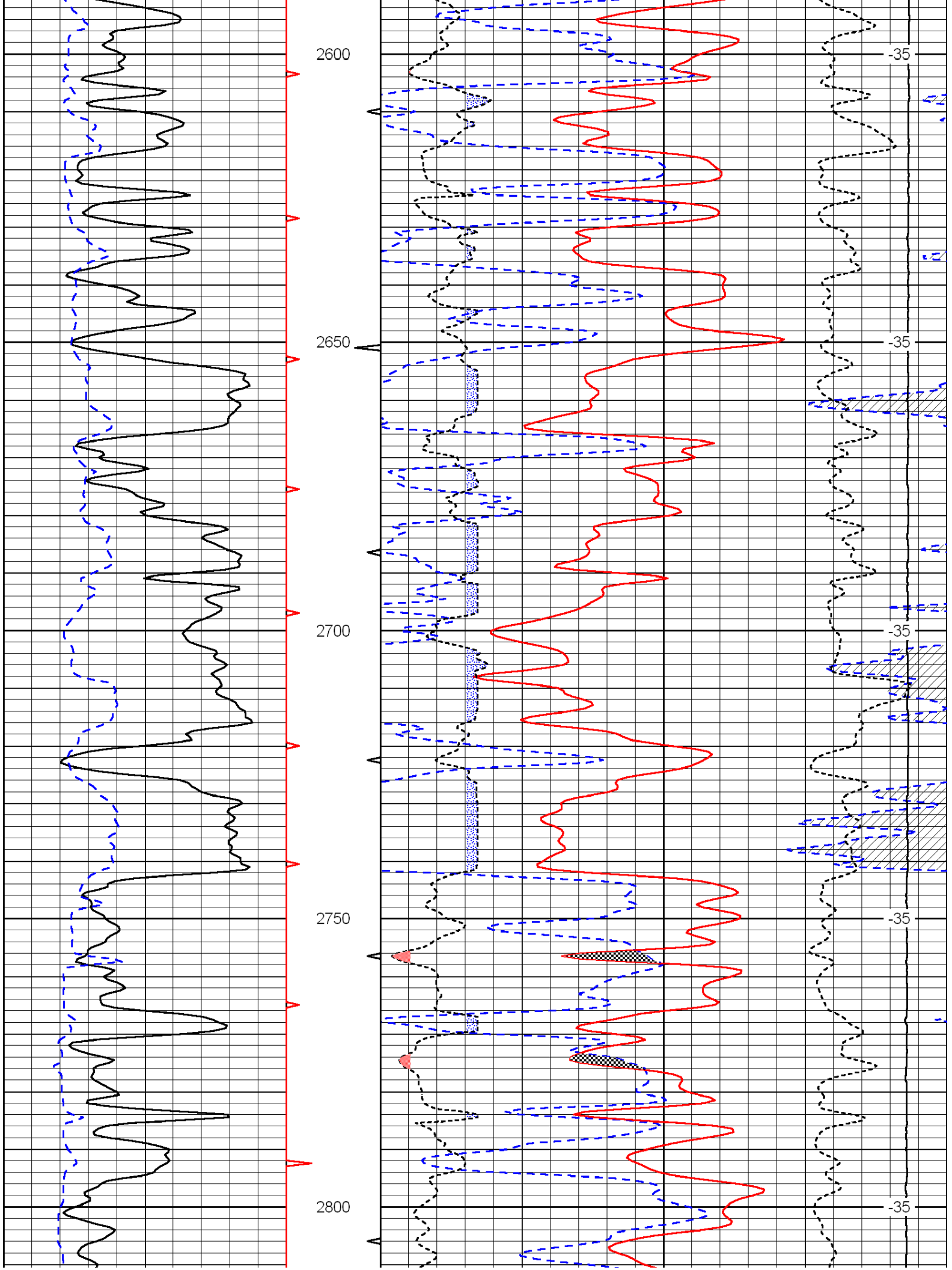

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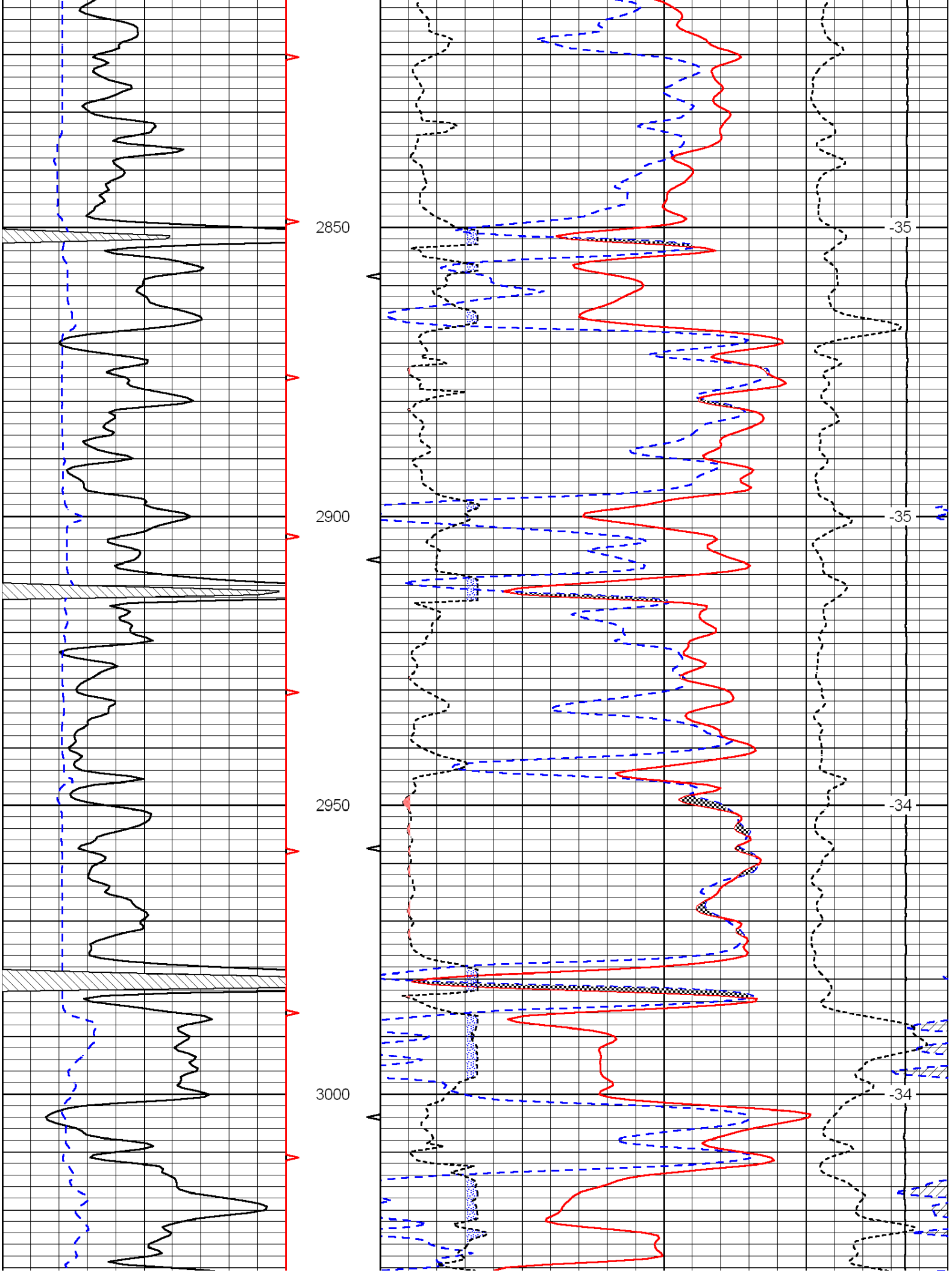

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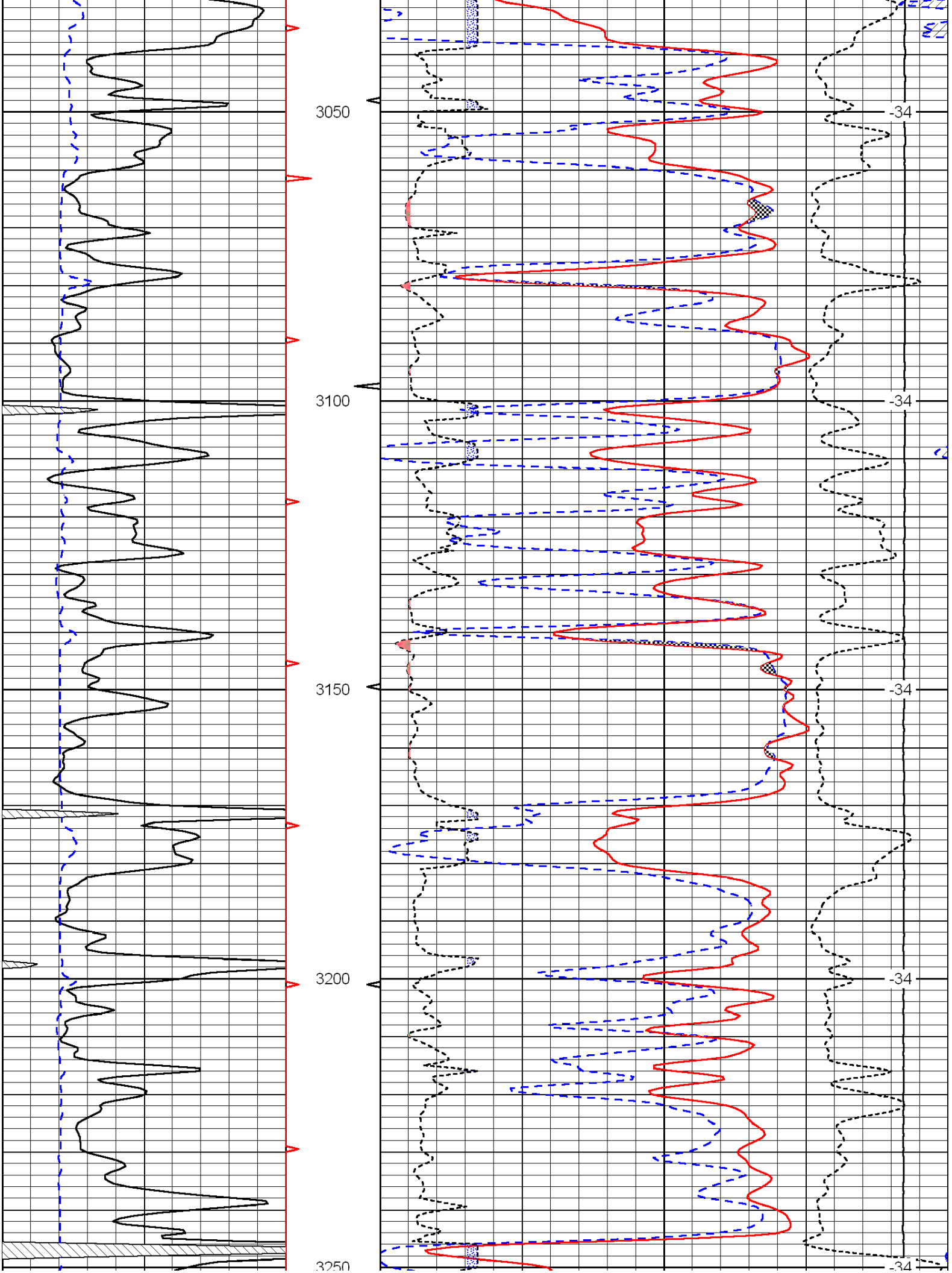

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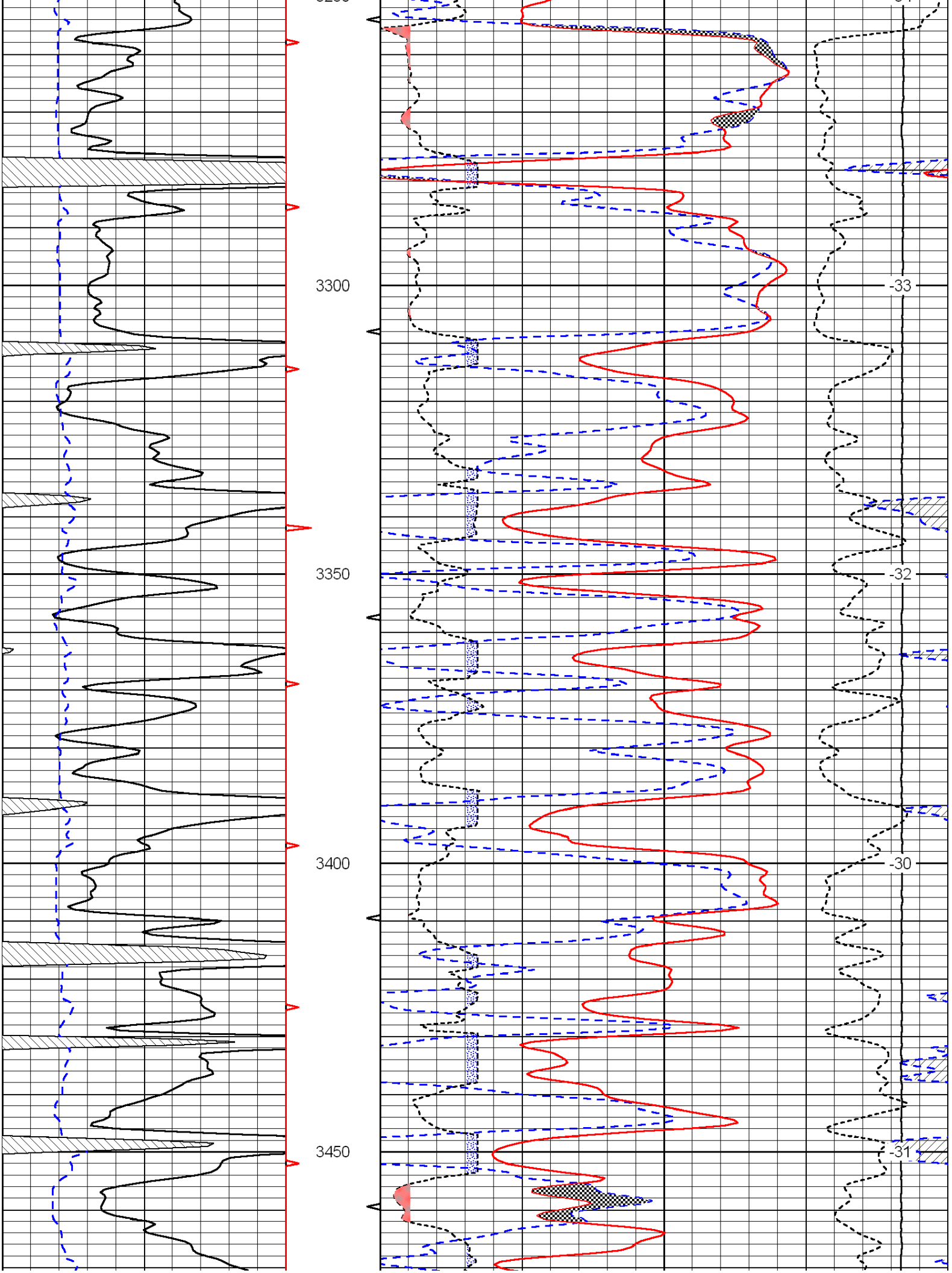

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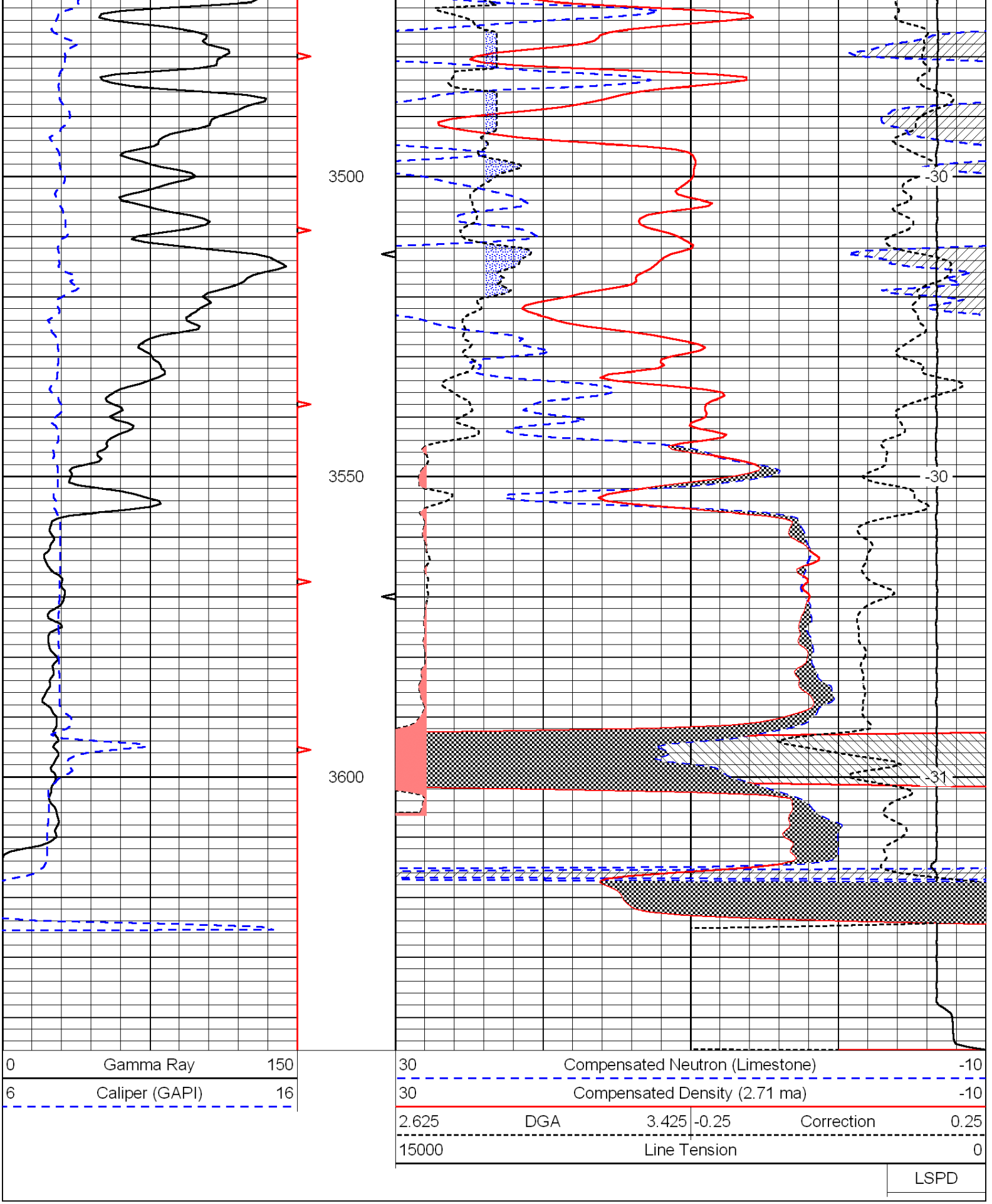

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0	Gamma Ray	150
6	Caliper (GAPI)	16

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

LSPD