PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-193-20,930-00-00

Company Carmen Schmitt, Inc.

Well Depe #1-12

Field Wildcat

County Thomas State Kansas

Location SE SW NE NW
1212' FNL & 1663' FWL
Sec: 12 Twp: 7S Rge: 32W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 2996
D.F.
G.L. 2991

Permanent Datum Ground Level Elevation 2991
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	8/22/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4610
Depth Logger	4614
Bottom Logged Interval	4593
Top Logged Interval	3600
Type Fluid In Hole	Chemical
Salinity, PPM CL	3000
Density	9.2
Level	Full
Max. Rec. Temp. F	122
Operating Rig Time	5 Hours
Equipment -- Location	15 Hays
Recorded By	D.Kerr
Witnessed By	Larry Nicholson

Borehole Record

Run No.	Bit	From	To
1	12.25	00	260
2	7.875	260	4610

Casing Record

Size	Wgt.	From	To
8.625	24#	00	260

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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

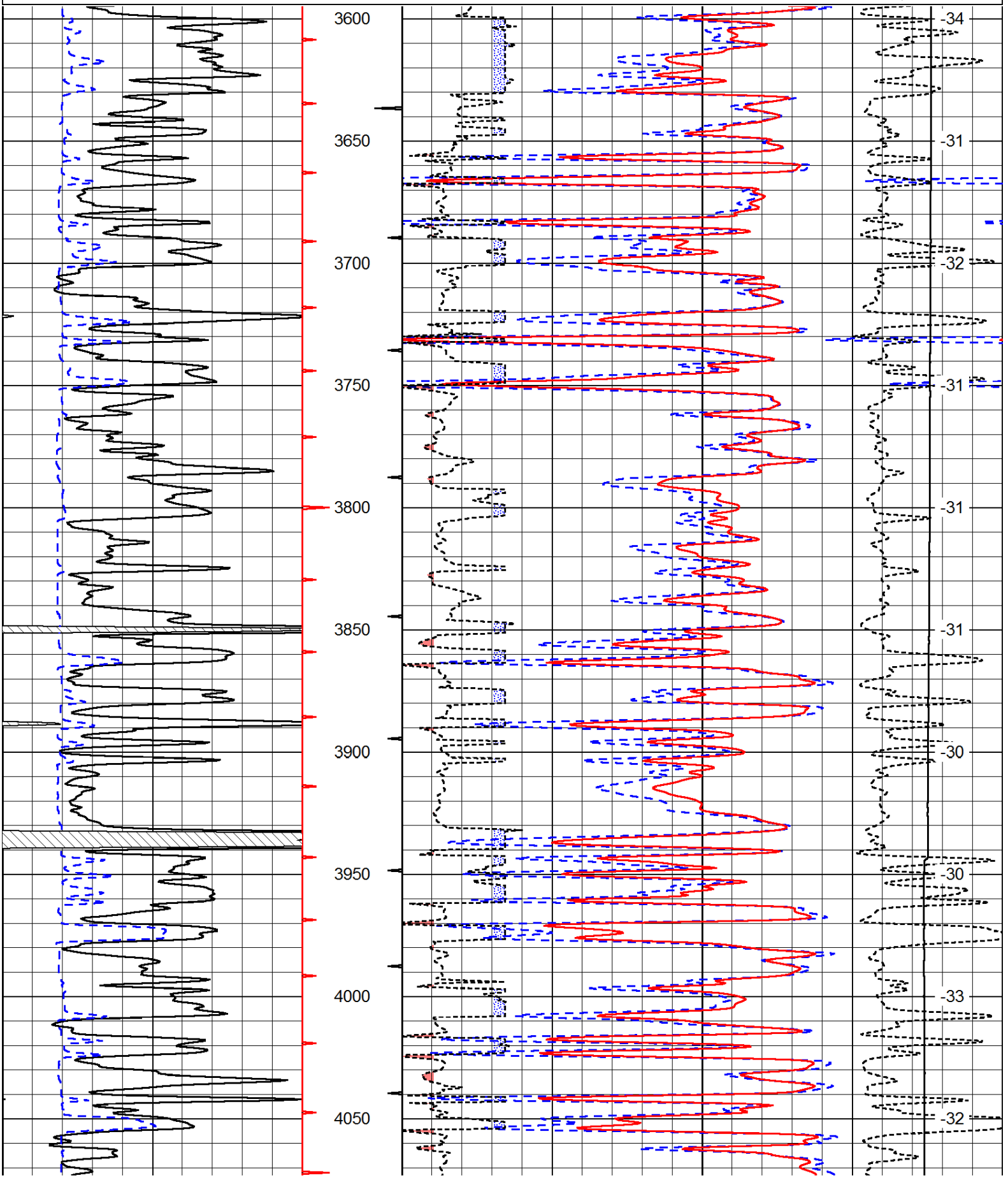
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

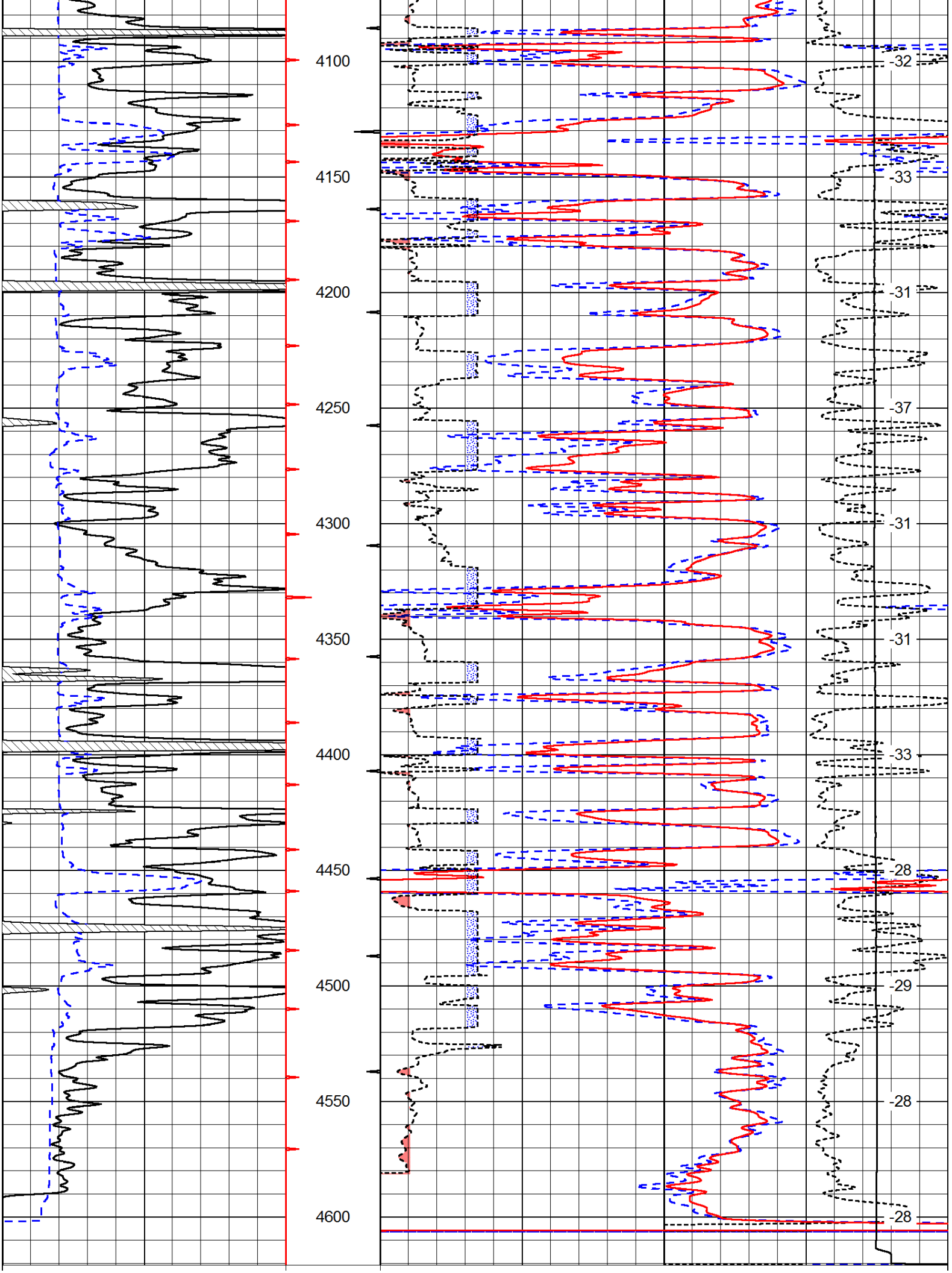
Oakley KS North on HWY 83 to HWY 24,
4 NorthEast to 30 RD, 1 North, East and North Into

Database File:	c:\warrior\data\carmen schmitt_depe #1-12\carmenschmitt_depe_1_12hd.db
Dataset Pathname:	DIL/csstk
Presentation Format:	cdl
Dataset Creation:	Sat Aug 23 01:14:07 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			
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD




4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
-32
-33
-31
-37
-31
-31
-33
-28
-29
-28
-28

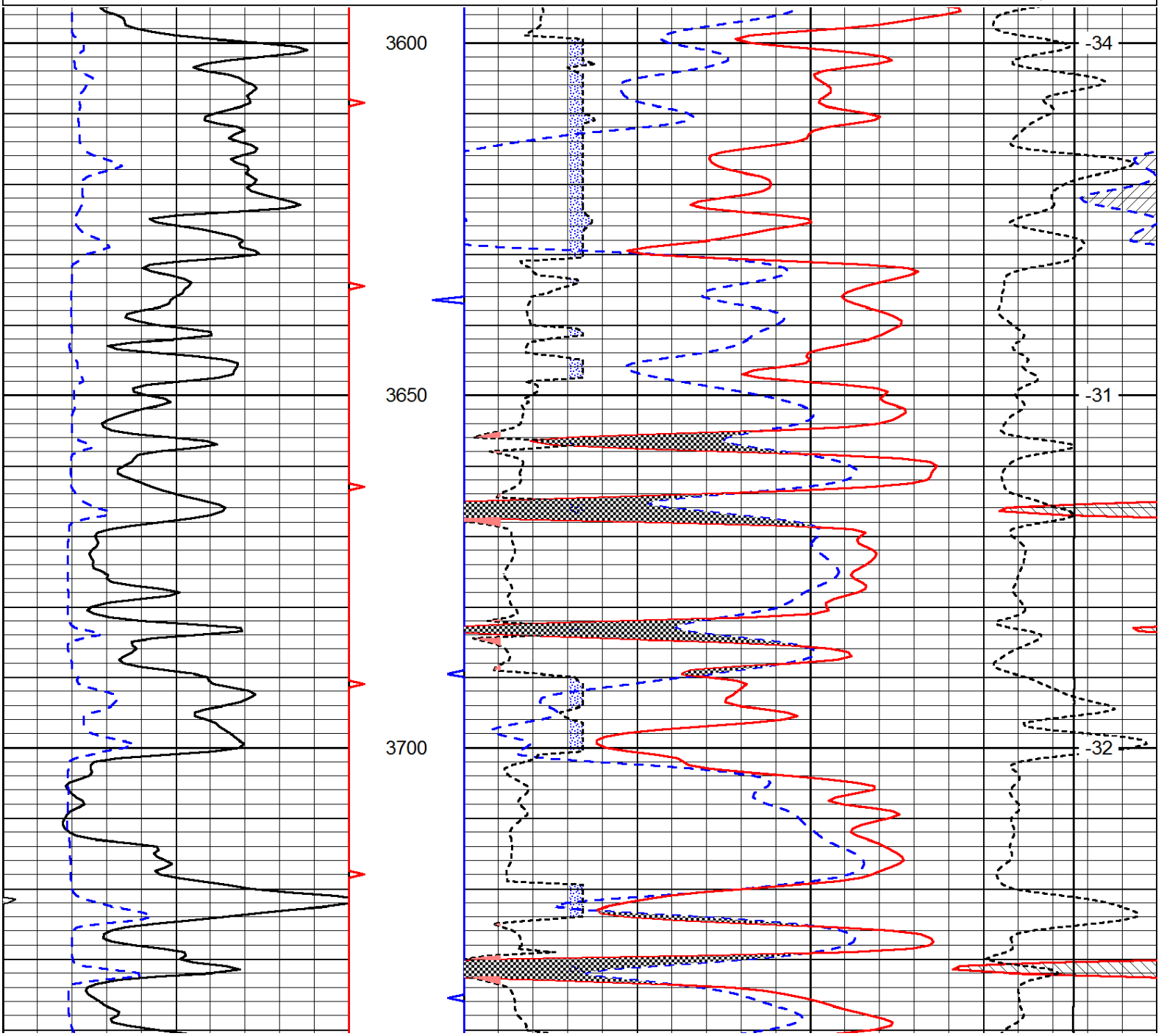
0	Gamma Ray	150
6	Caliper (GAPI)	16

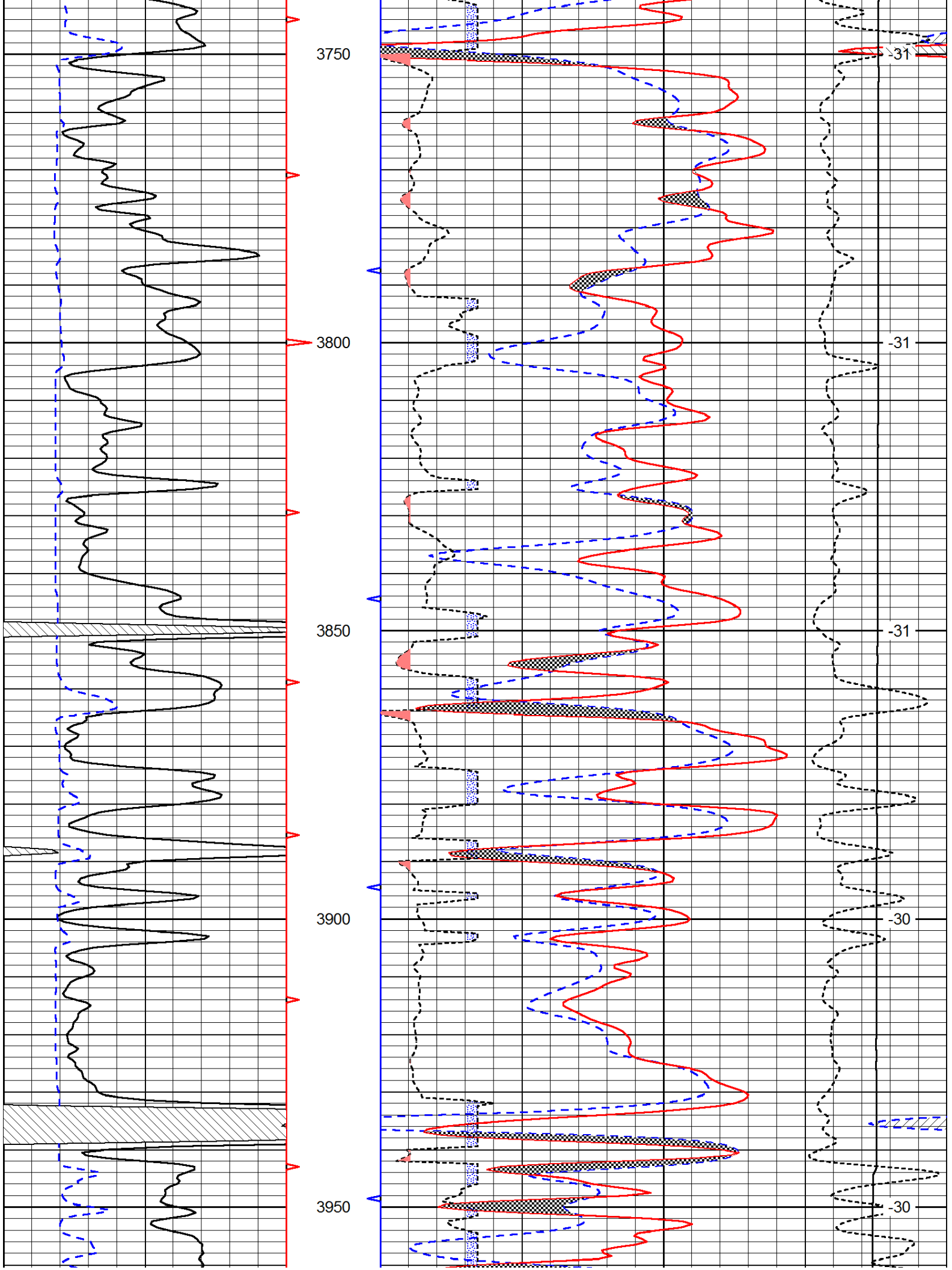
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

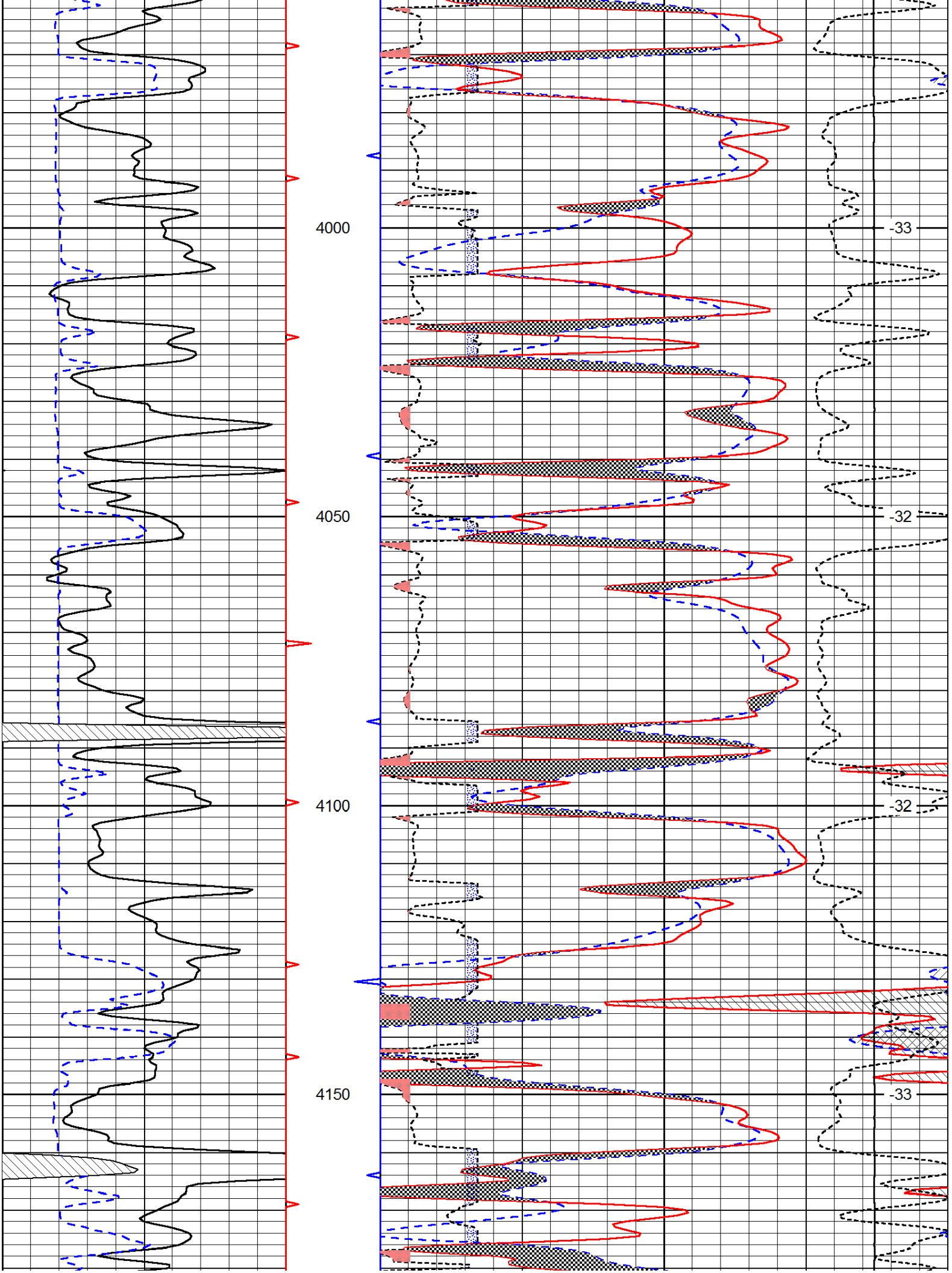
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Dataset Pathname: DIL/csstk
Presentation Format: cndlspec
Dataset Creation: Sat Aug 23 01:14:07 2014
Charted by: Depth in Feet scaled 1:240

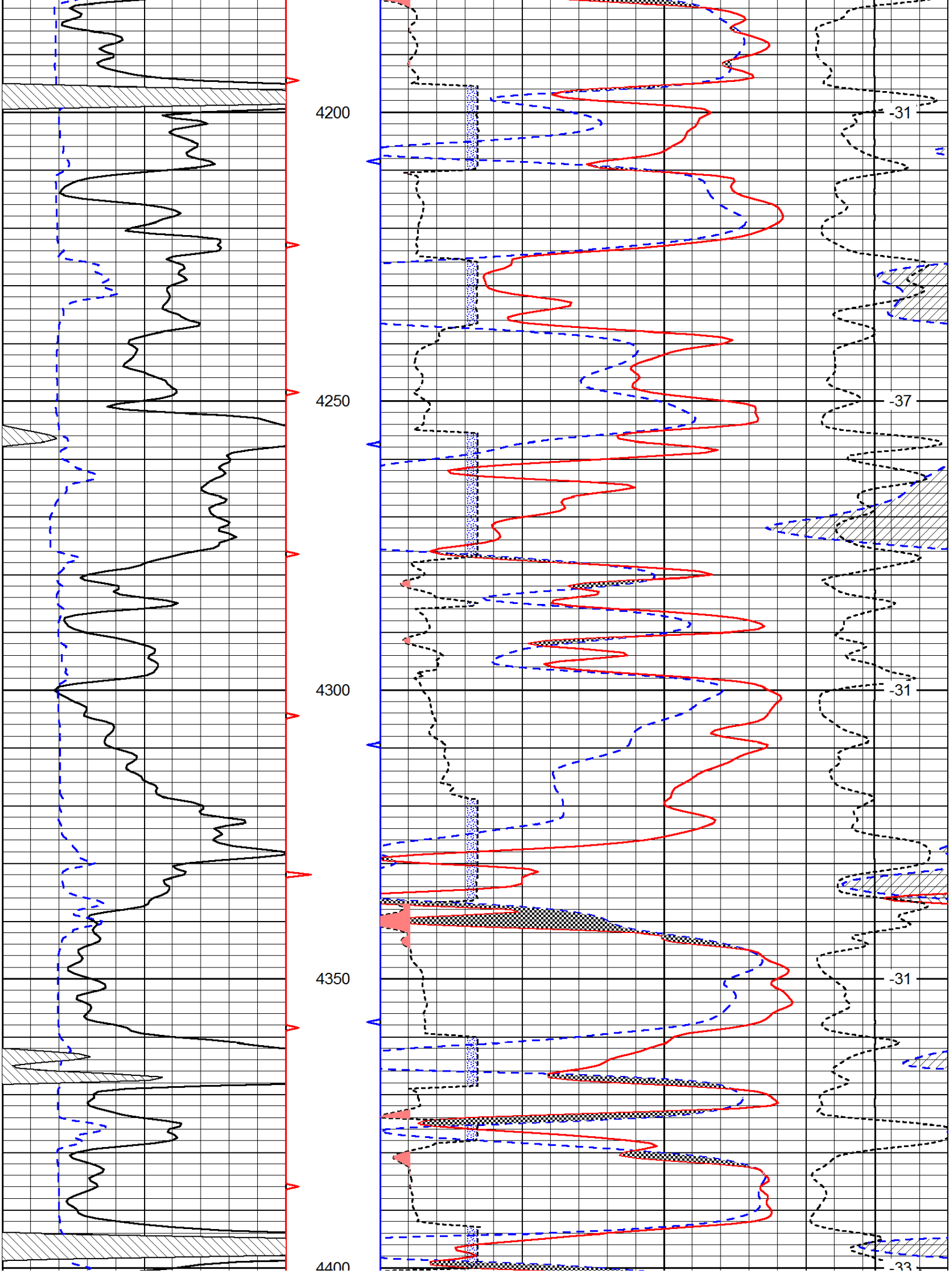
0	Gamma Ray	150
6	Caliper (GAPI)	16

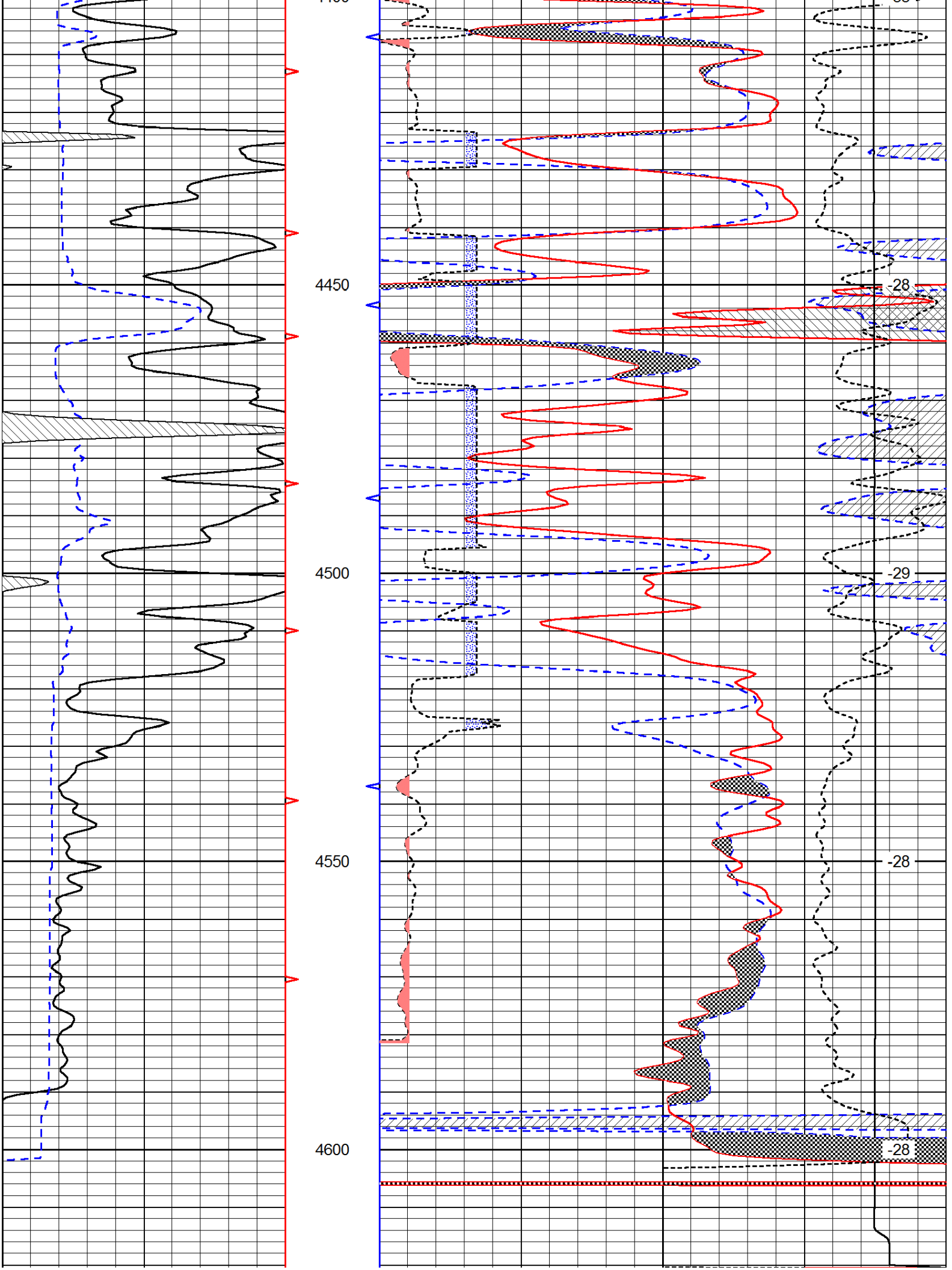
30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0
					LSPD




3750
3800
3850
3900
3950
-31
-31
-31
-30
-30


4000
4050
4100
4150
-33
-32
-32
-33


4200
4250
4300
4350
4400
-31
-37
-31
-31
-33


4450
4500
4550
4600
-28
-29
-28
-28

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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