PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-007-23972-00-00

Company Roberts Resources, Inc.

Well Thom A #2-28

Field Nurse

County Barber State Kansas

Location 1080' FNL & 407' FEL

Sec: 28 Twp: 31S Rge: 13W

Other Services
DIL
MEL/BHCS

Permanent Datum	Ground Level	Elevation 1592	K.B. 1601
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum	D.F.
Drilling Measured From	Kelly Bushing		G.L. 1592

Date	12/21/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	4530
Depth Logger	4512
Bottom Logged Interval	4491
Top Logged Interval	2400
Type Fluid In Hole	Chemical
Salinity, PPM CL	6000
Density	9.4
Level	Full
Max. Rec. Temp. F	123
Operating Rig Time	5 Hours
Equipment -- Location	91 Hays
Recorded By	D. Schmidt
Witnessed By	Kent Roberts

Borehole Record

Run No.	Bit	From	To
One	12.25	00	264
Two	7.875	264	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	264

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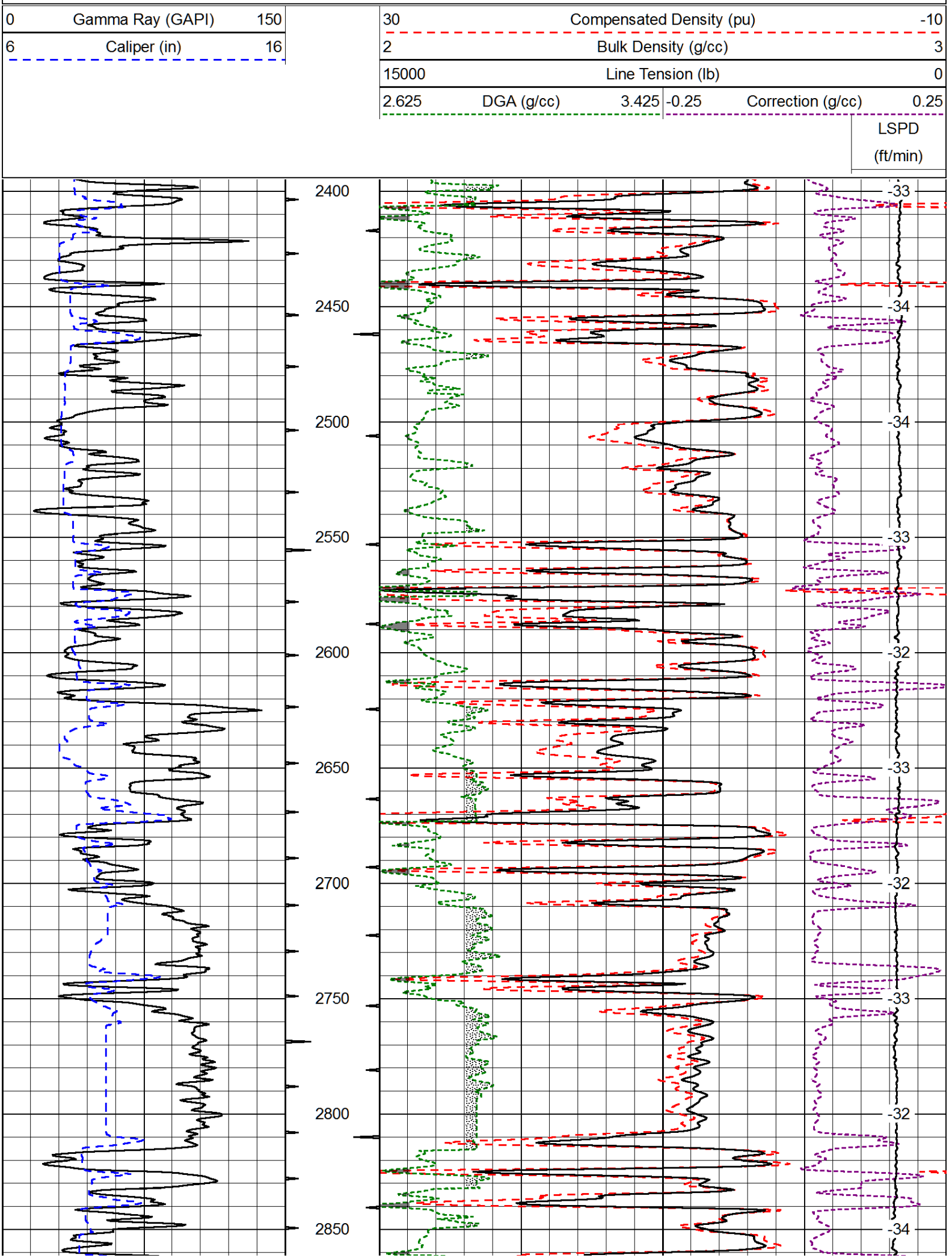
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

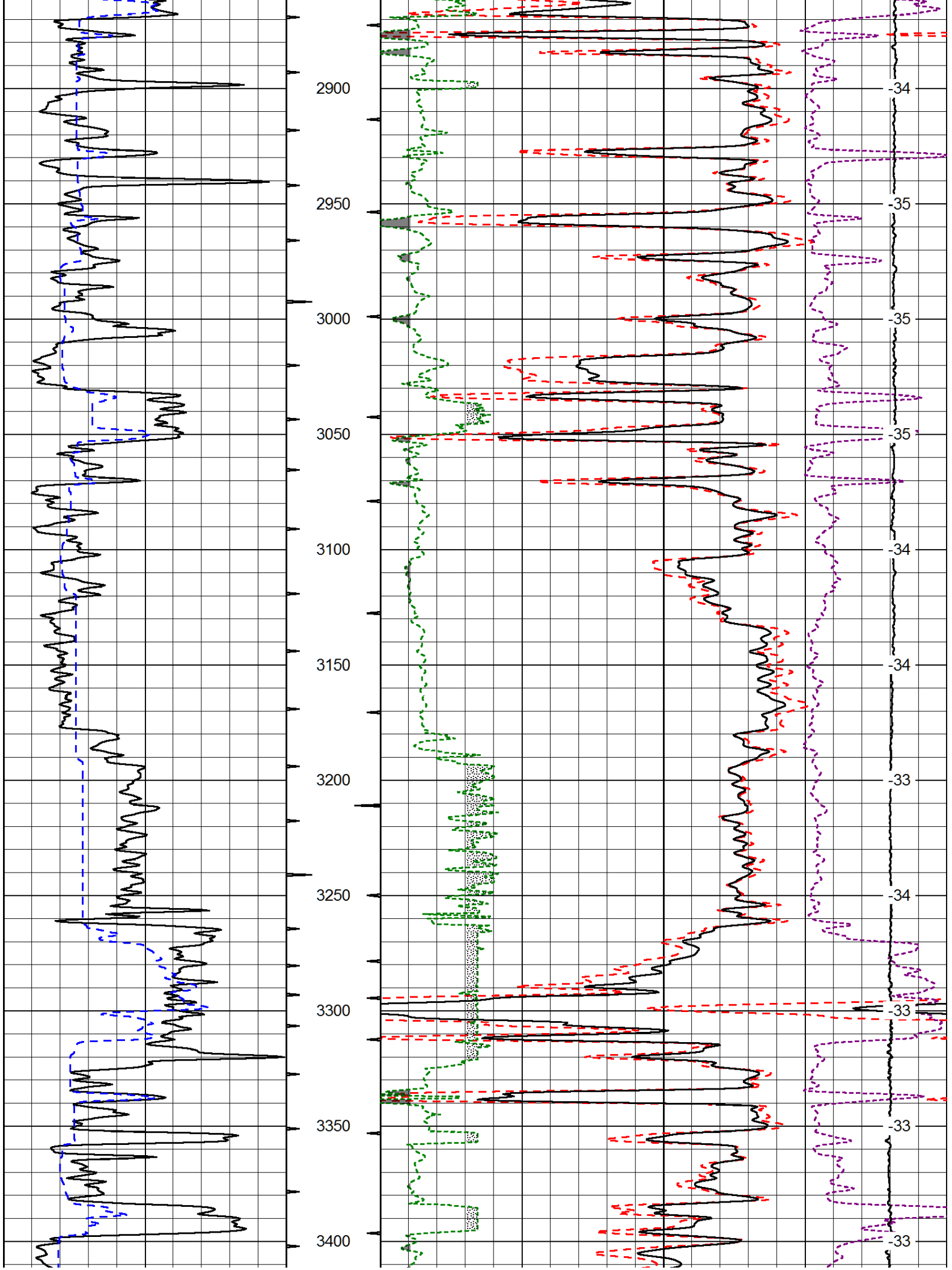
Comments

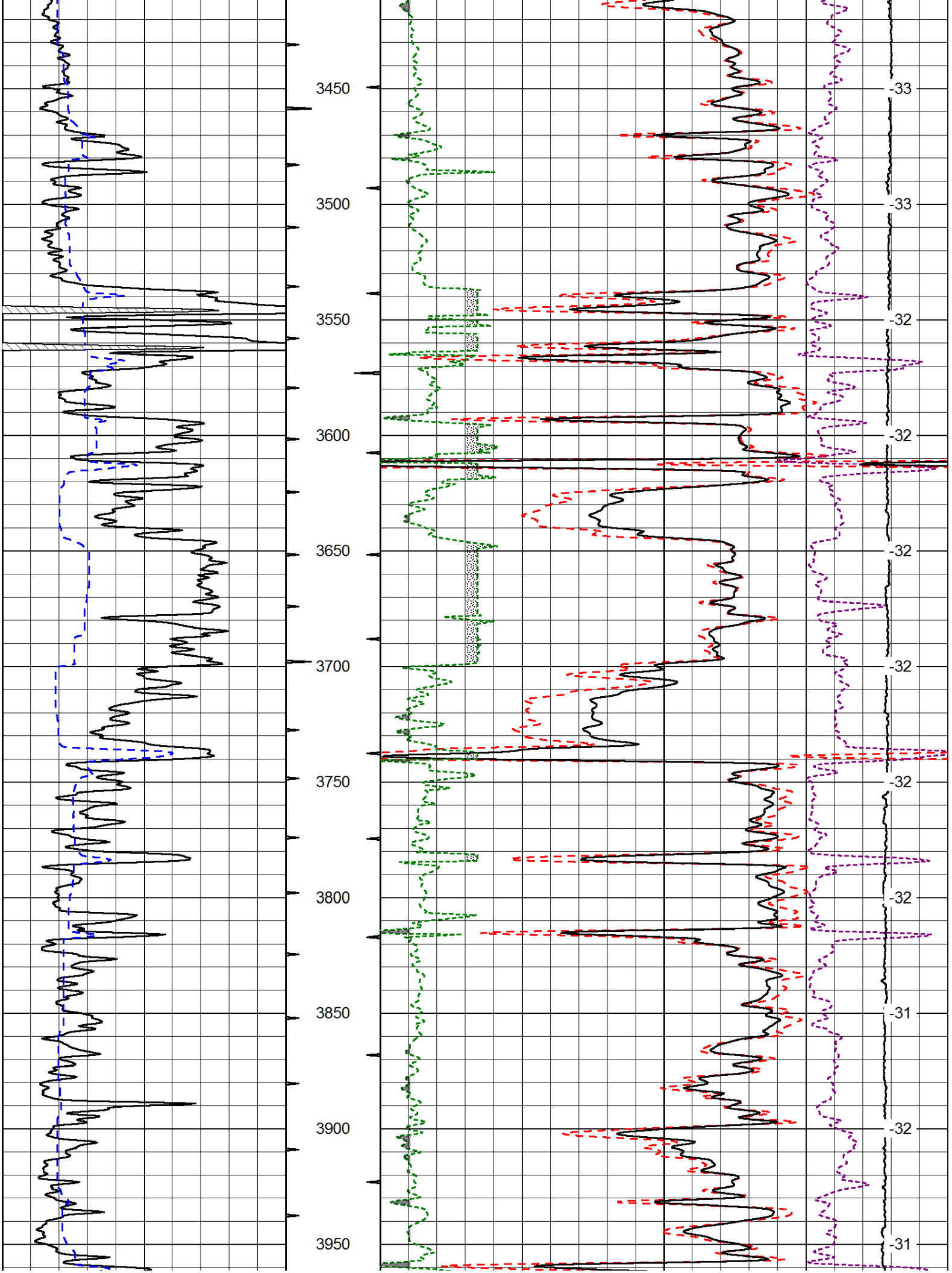
Thank you for using Log-Tech, Inc.
(785) 625-3858

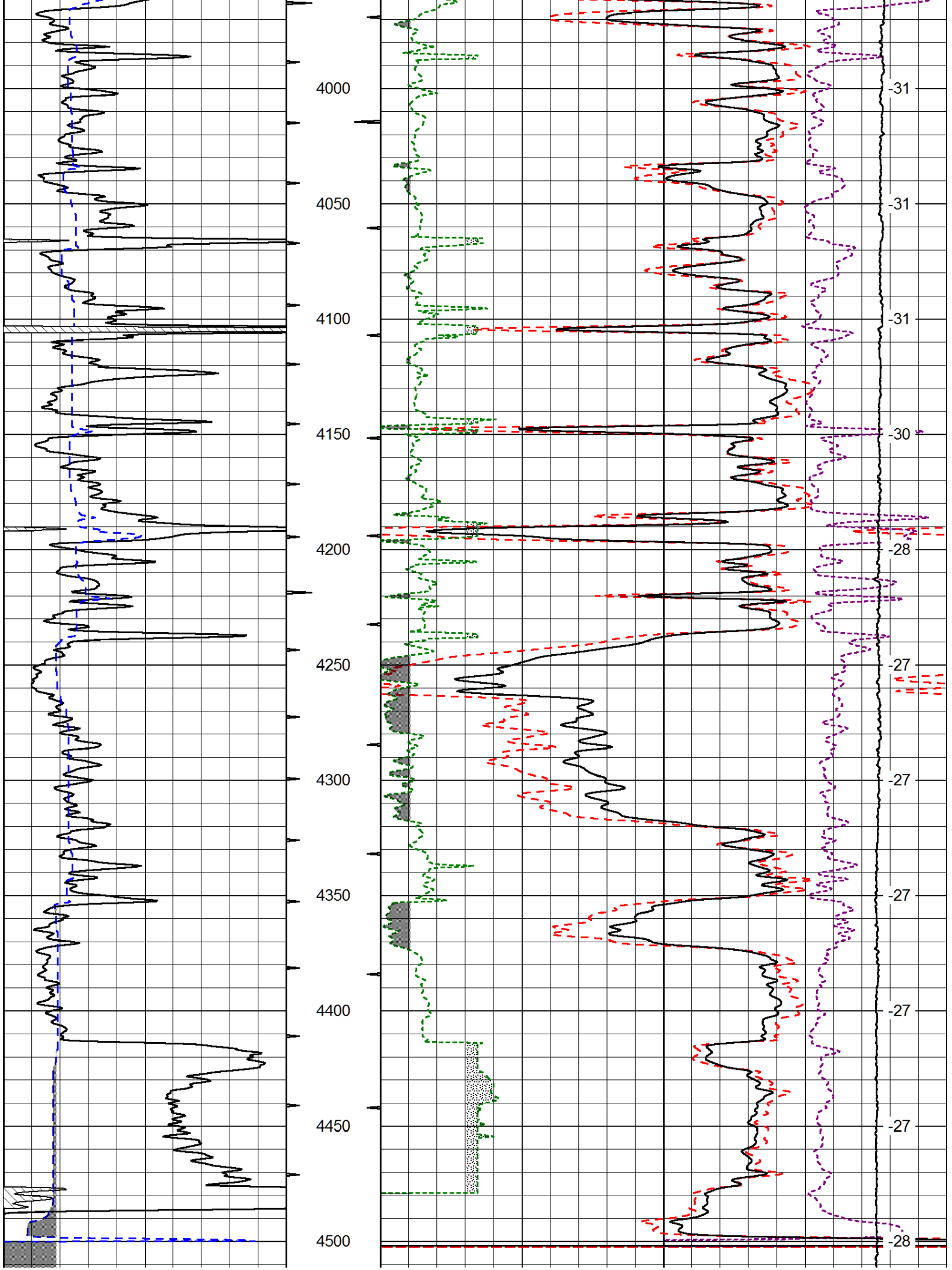
Medicine Lodge,
West on River Rd to Forest City Rd,
S & W into

Database File:	roberts_122112hd.db
Dataset Pathname:	dil/robstack
Presentation Format:	cdl
Dataset Creation:	Fri Dec 21 18:42:56 2012
Charted by:	Depth in Feet scaled 1:600


0
Gamma Ray (GAPI)
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)
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
-33
-34
-34
-33
-32
-33
-32
-33
-32
-34


2900
2950
3000
3050
3100
3150
3200
3250
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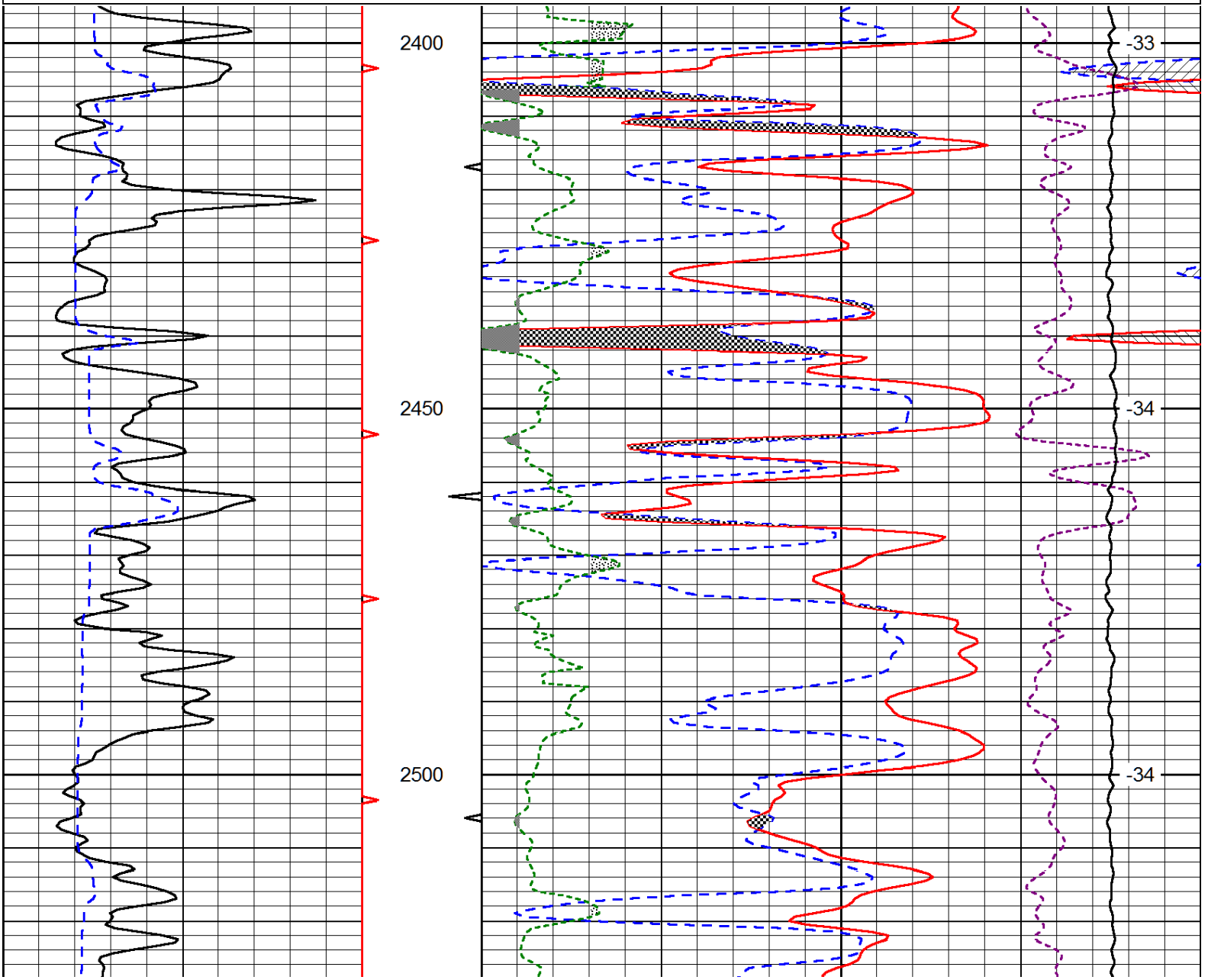
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6	Caliper (in)	16

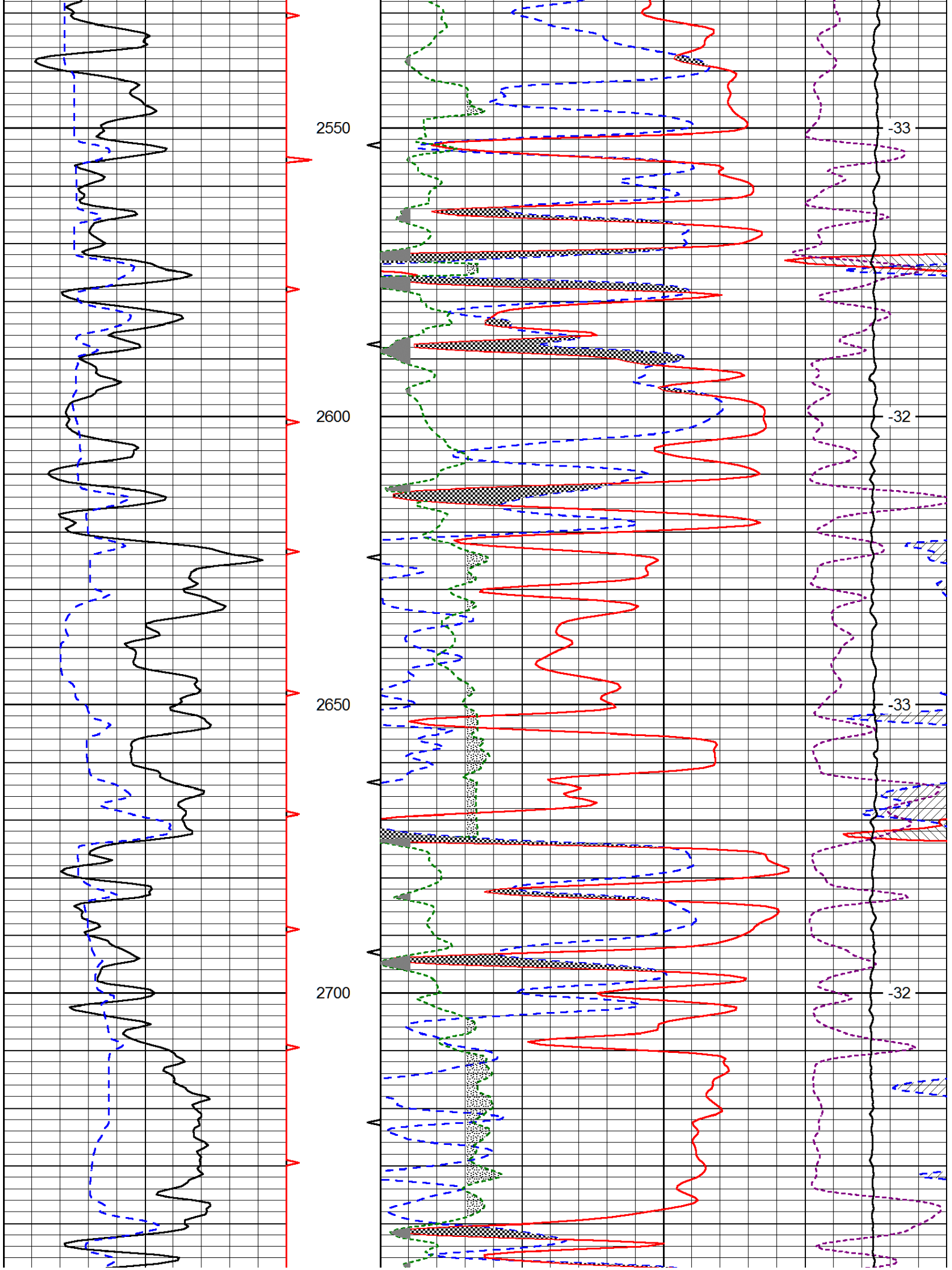
30	Compensated Density (pu)				-10
2	Bulk Density (g/cc)				3
15000	Line Tension (lb)				0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
					LSPD (ft/min)

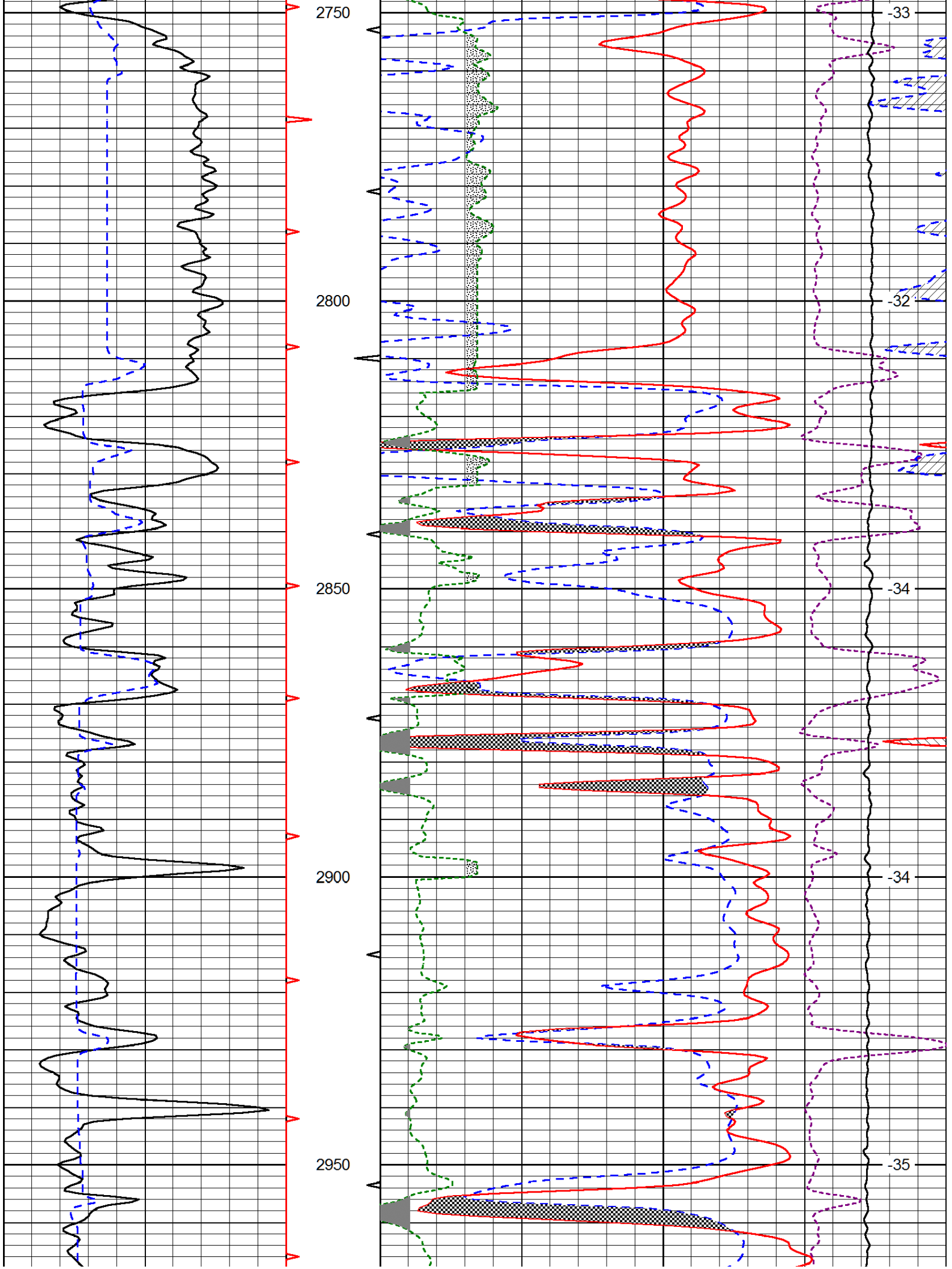
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Presentation Format: cndlspec
Dataset Creation: Fri Dec 21 18:42:56 2012
Charted by: Depth in Feet scaled 1:240

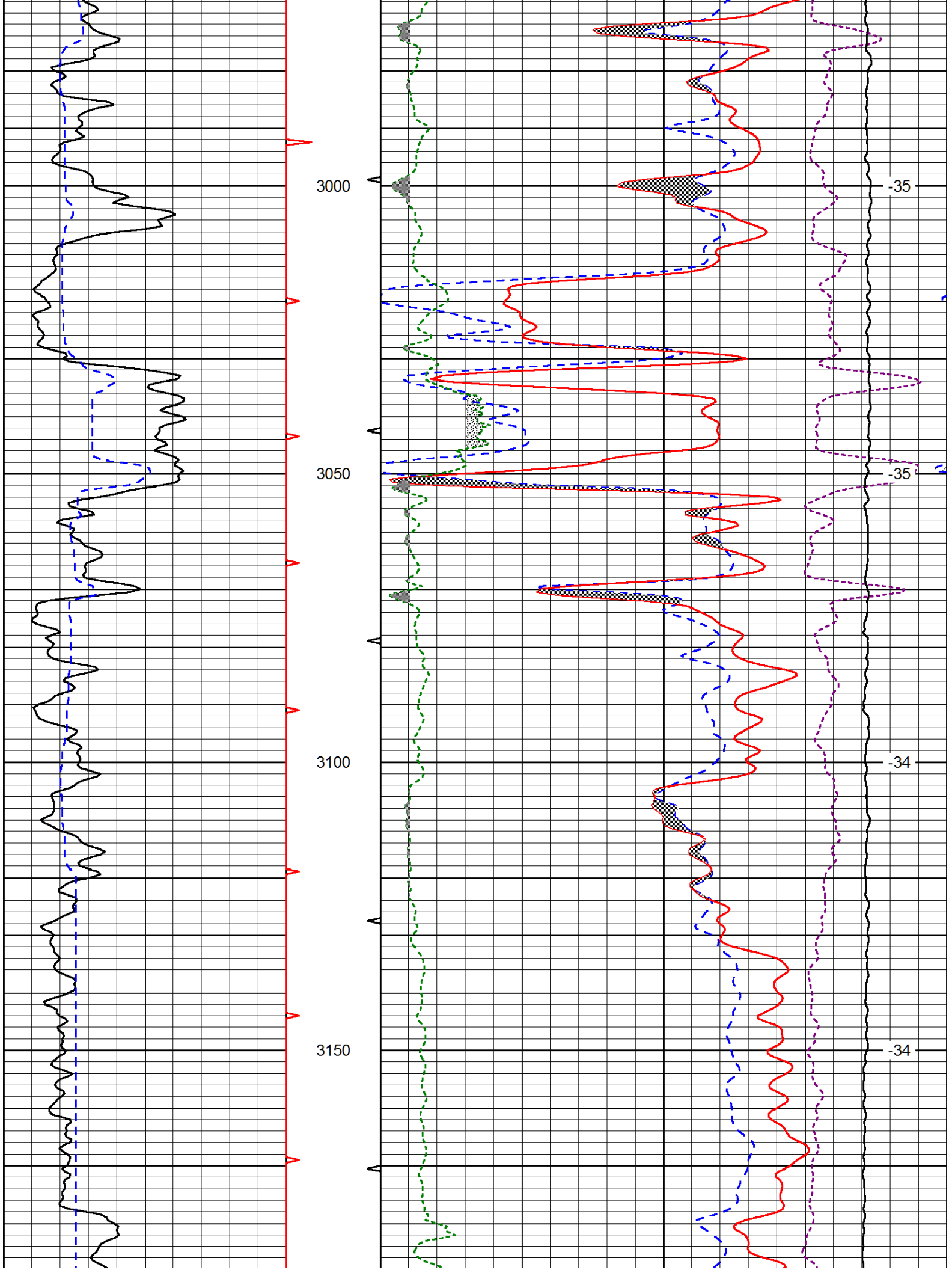
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

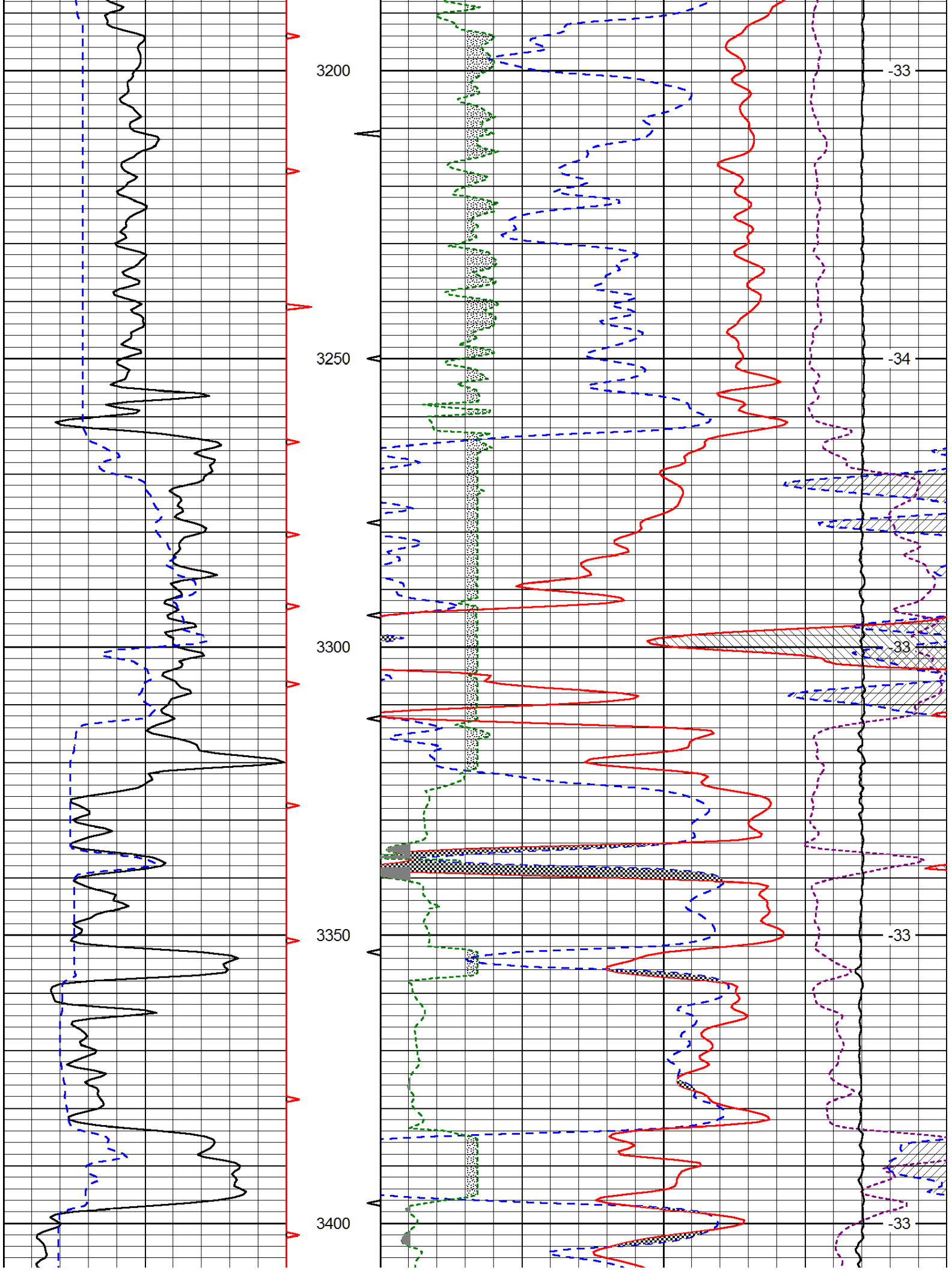
30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0
					LSPD (ft/min)

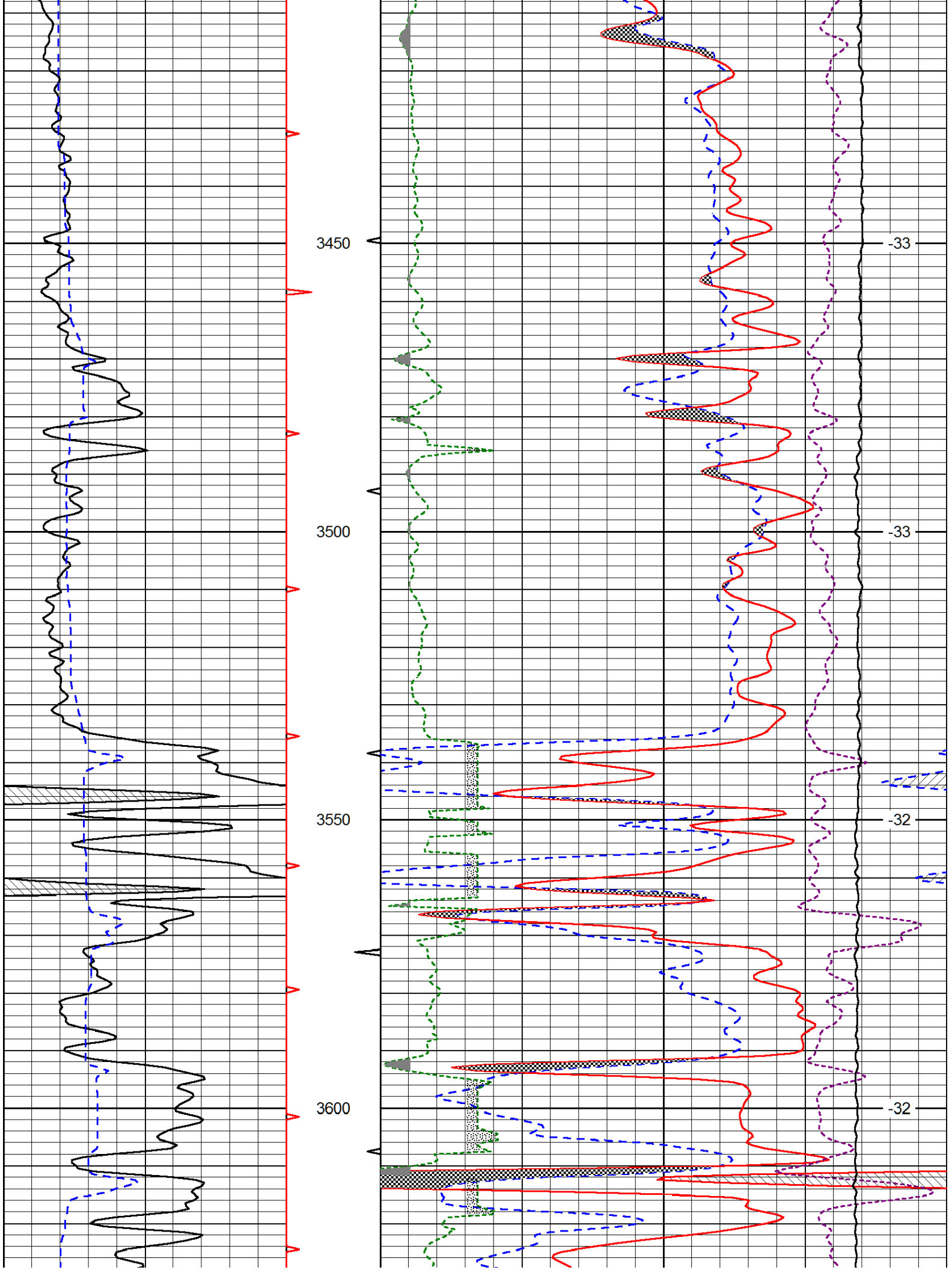


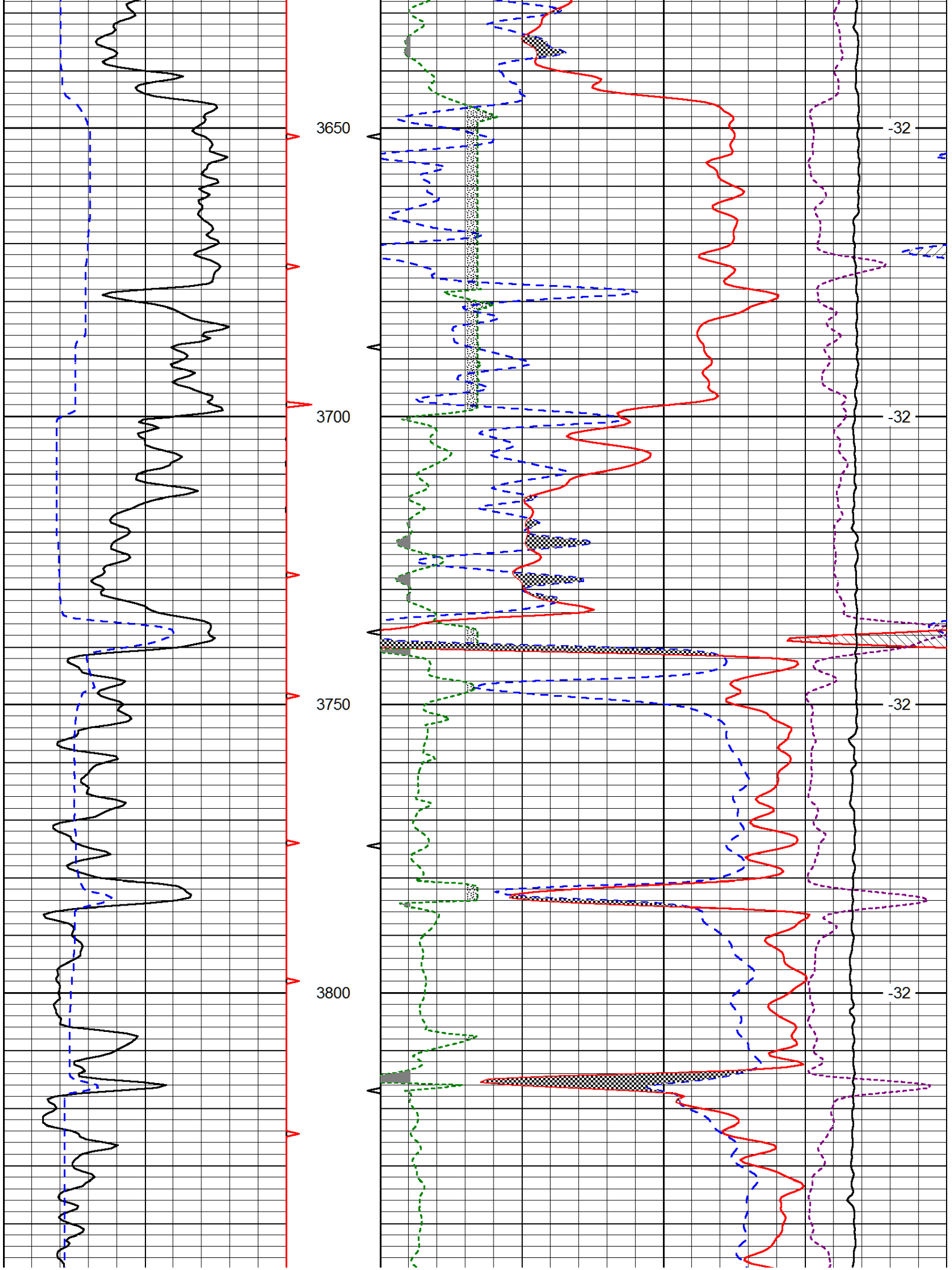

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2600
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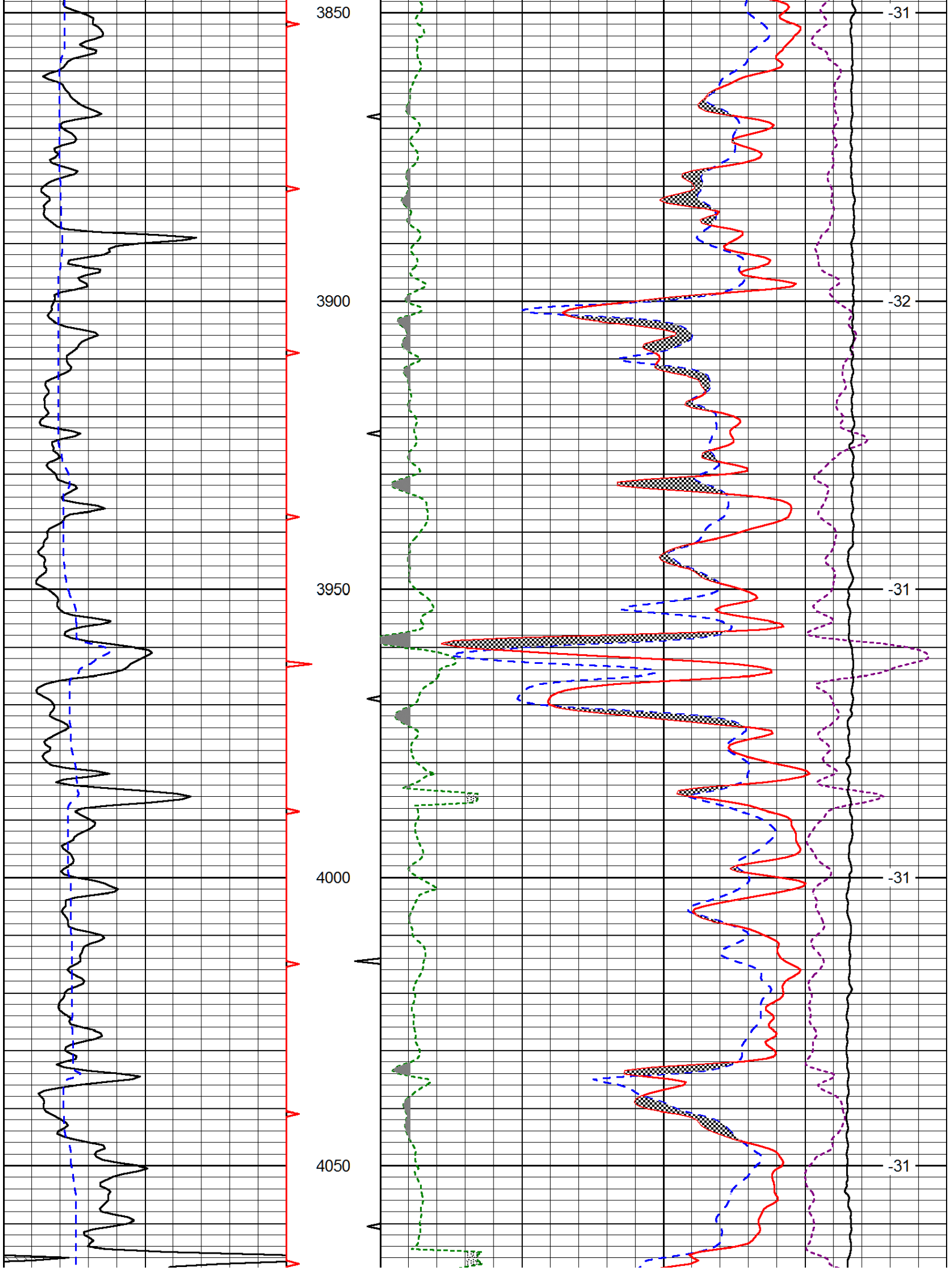

2750
2800
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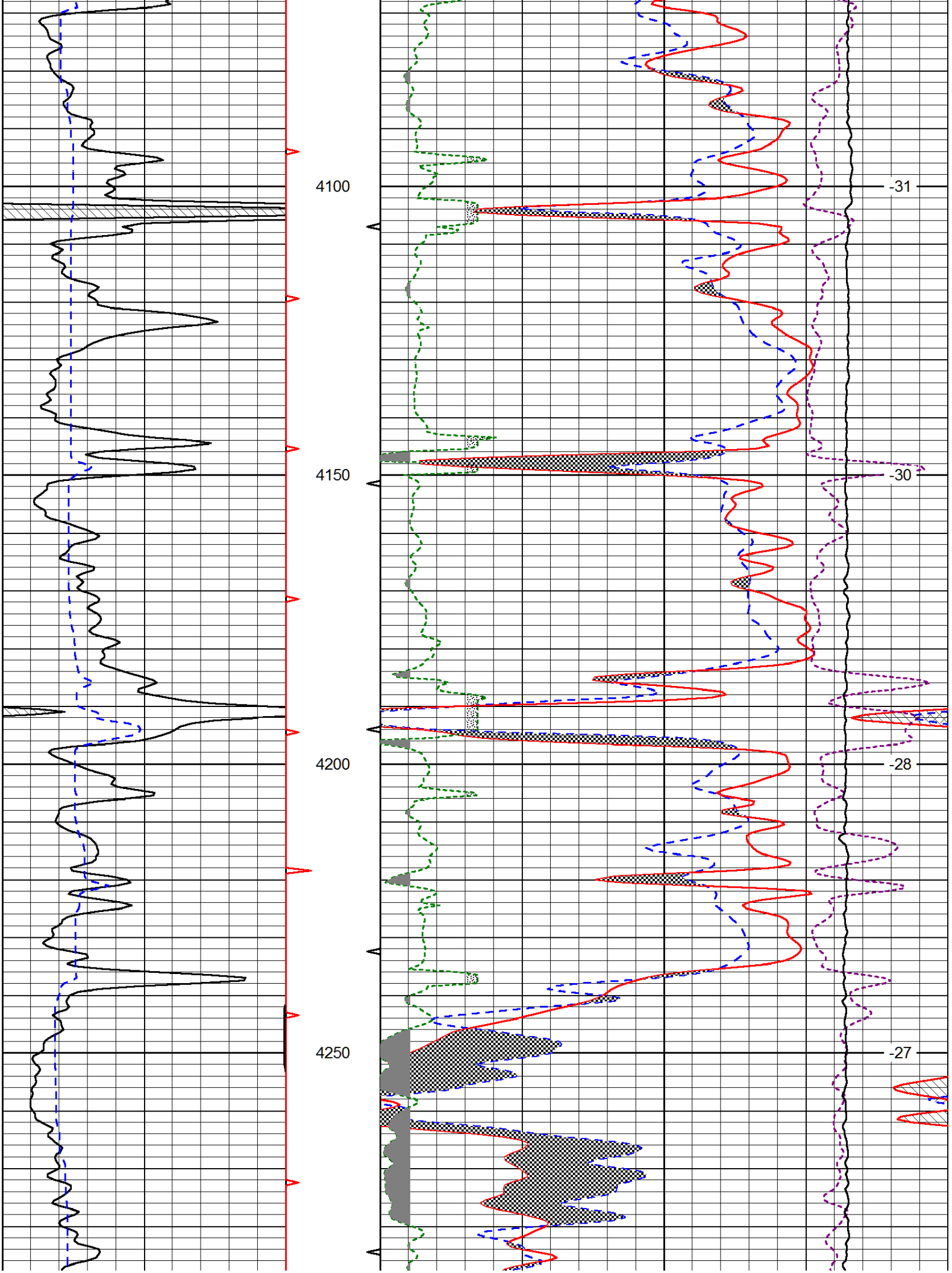

3000
3050
3100
3150
-35
-35
-34
-34

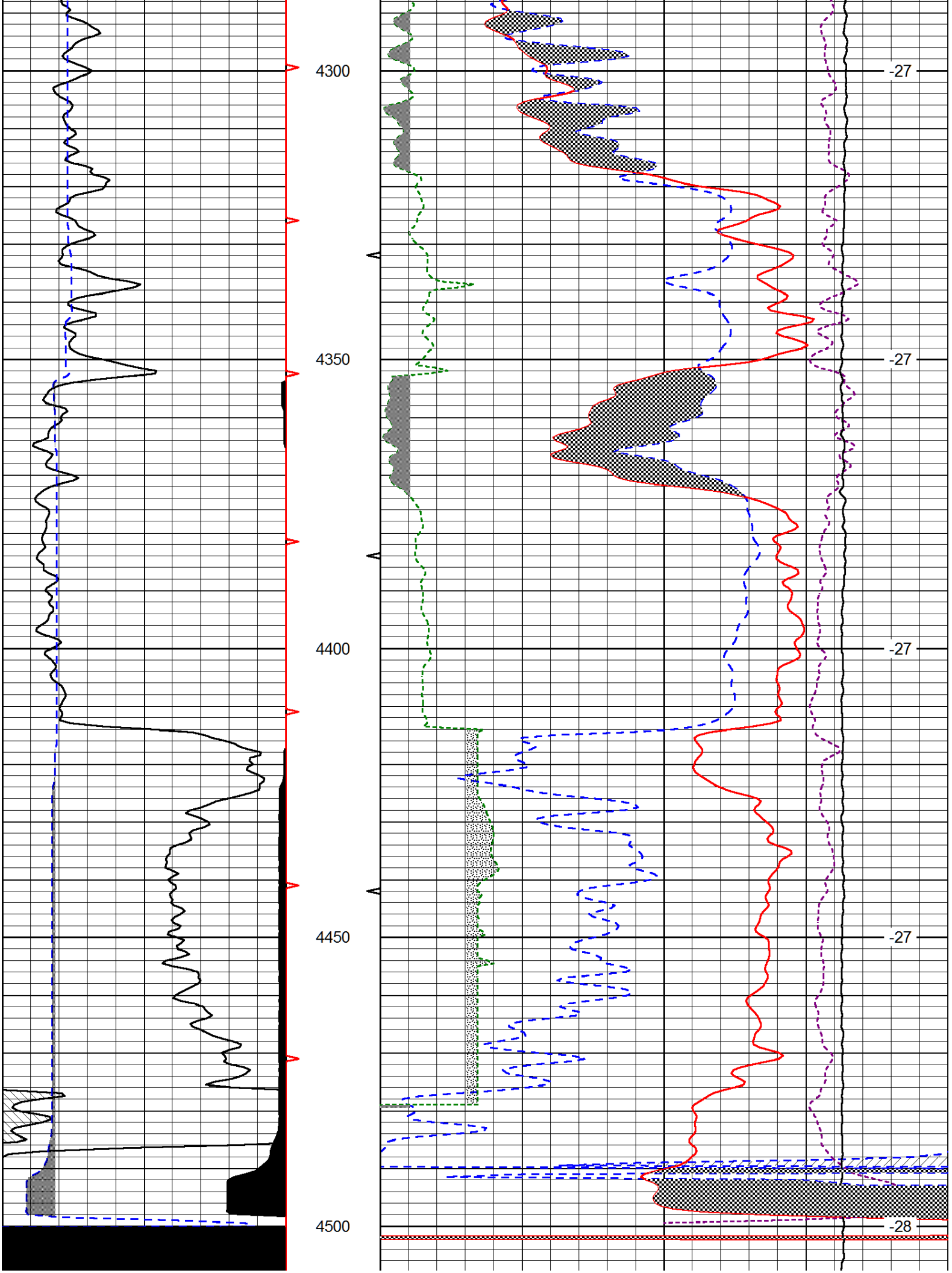

3200
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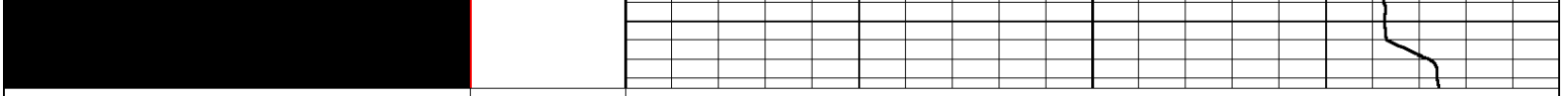

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-28
-27


4300
4350
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4450
4500
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-27
-27
-28



0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)			-10
30	Compensated Density (2.71 ma) (pu)			-10
2.625	DGA (g/cc)	3.425	-0.25 Correction (g/cc)	0.25
10000	Line Tension (lb)			0

LSPD
(ft/min)