PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-193-20859-00-00

Company Russell Oil, Inc.

Well Hazel Russell #1-35

Field Wildcat

County Thomas State Kansas

Location 4436' FSL & 434' FWL

Sec: 35 Twp: 10S Rge: 34W

Other Services: DIL/MEL

Elevation: K.B. 3240, D.F. , G.L. 3229

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Elevation	3229
Date	8/29/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	4850
Depth Logger	4846
Bottom Logged Interval	4825
Top Logged Interval	3800
Type Fluid In Hole	Chemical
Salinity, PPM CL	7000
Density	9.3
Level	Full
Max. Rec. Temp. F	127
Operating Rig Time	5 Hours
Equipment -- Location	91 Hays
Recorded By	D. Schmidt
Witnessed By	Kitt Noah

Borehole Record

Run No	Bit	From	To
One	12.25	00	271
Two	7.875	271	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	271

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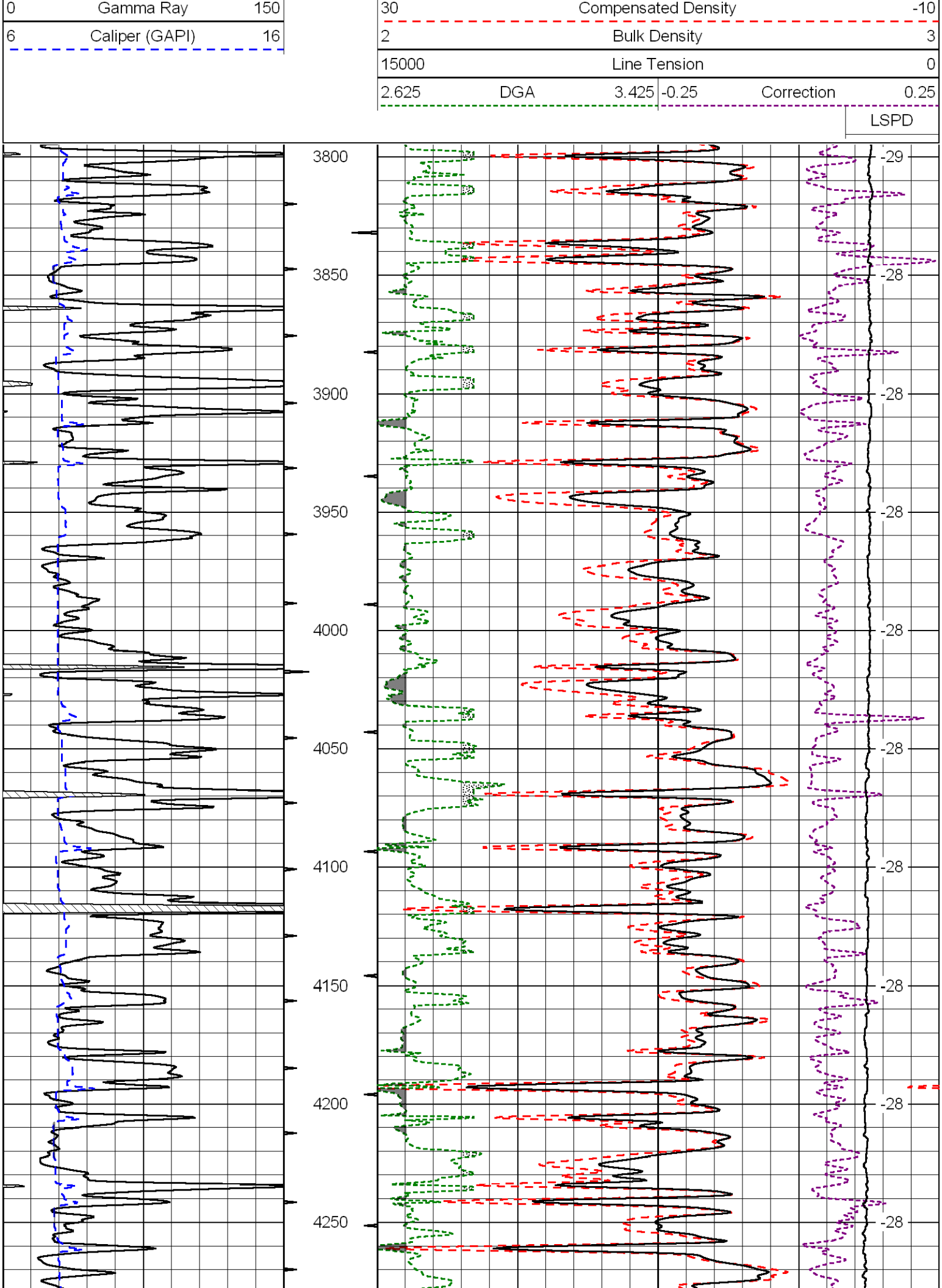
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

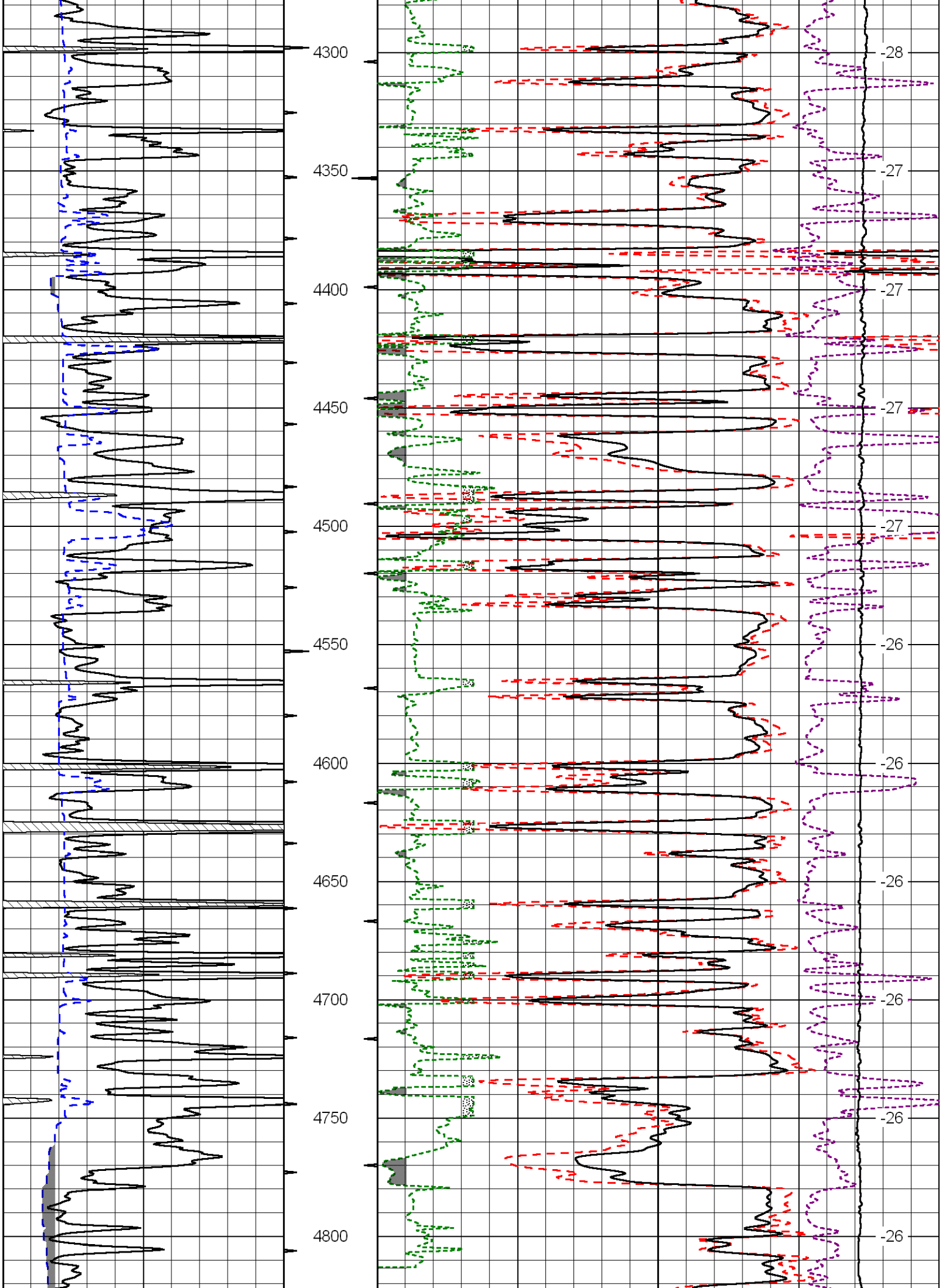
Comments

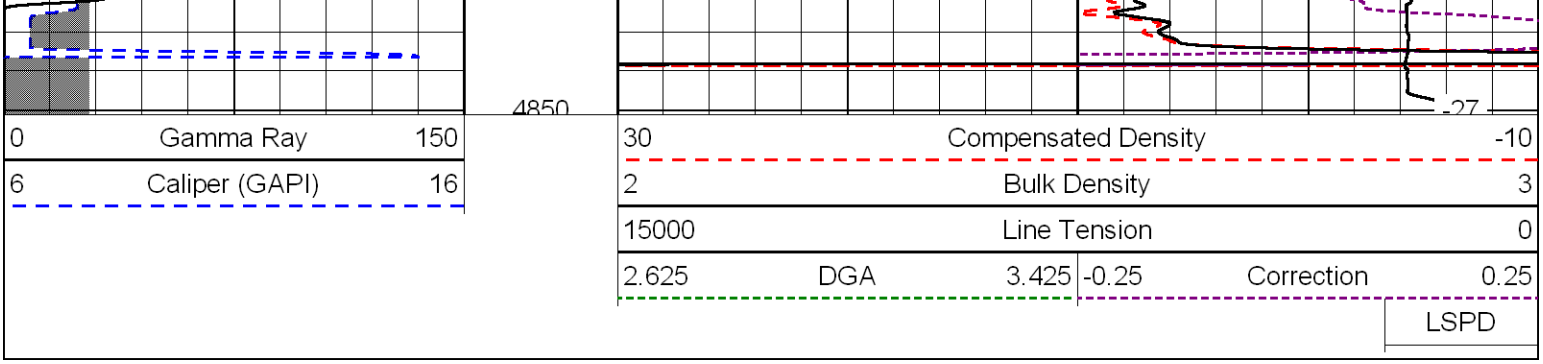
Thank you for using Log-Tech, Inc.
(785) 625-3858

Monument,
West to Hwy 25, 2 North to county line (Fort Fox Rd),
2 West, North to location

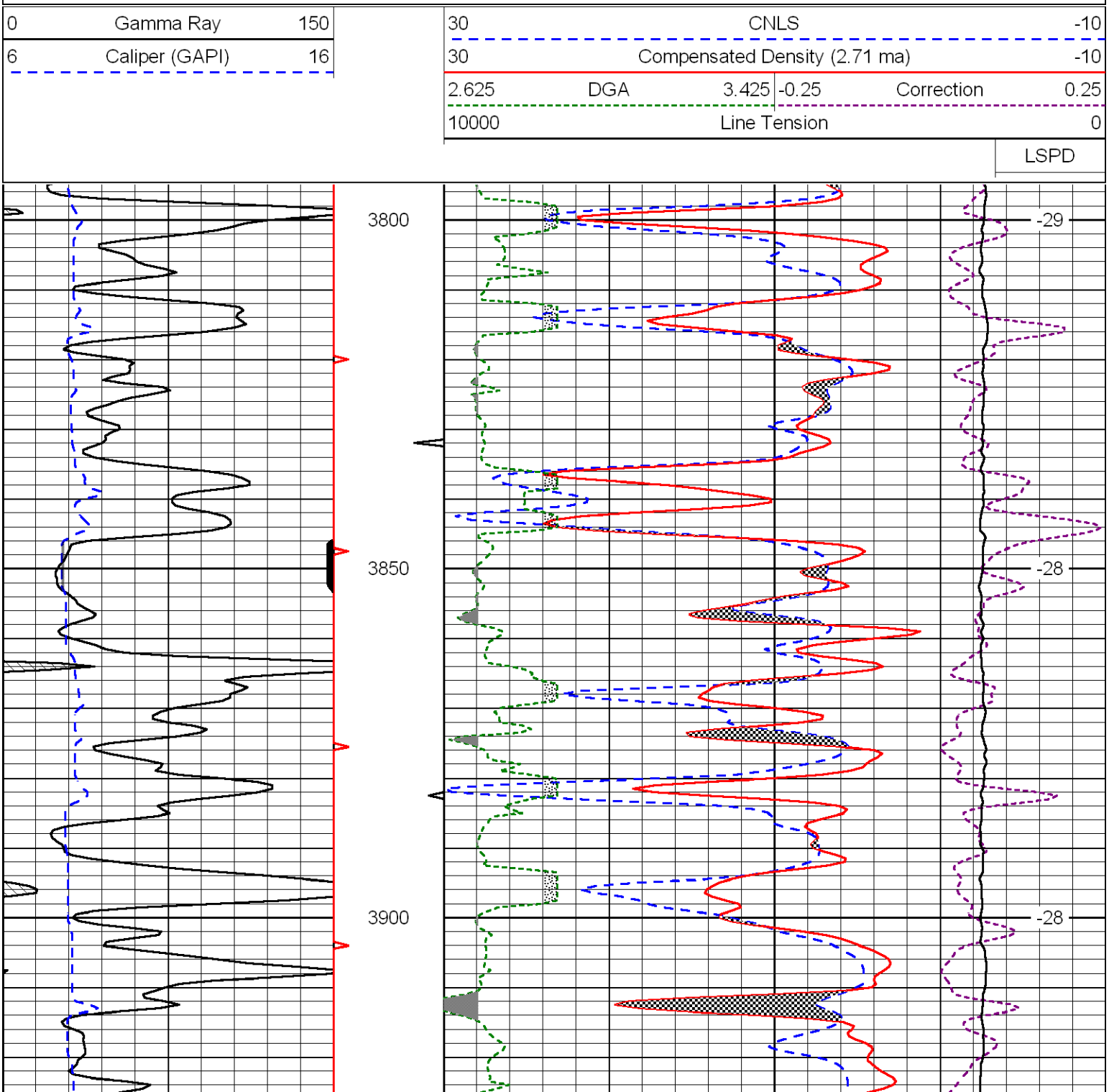
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Presentation Format: cdl
Dataset Creation: Thu Aug 30 00:24:57 2012
Charted by: Depth in Feet scaled 1:600

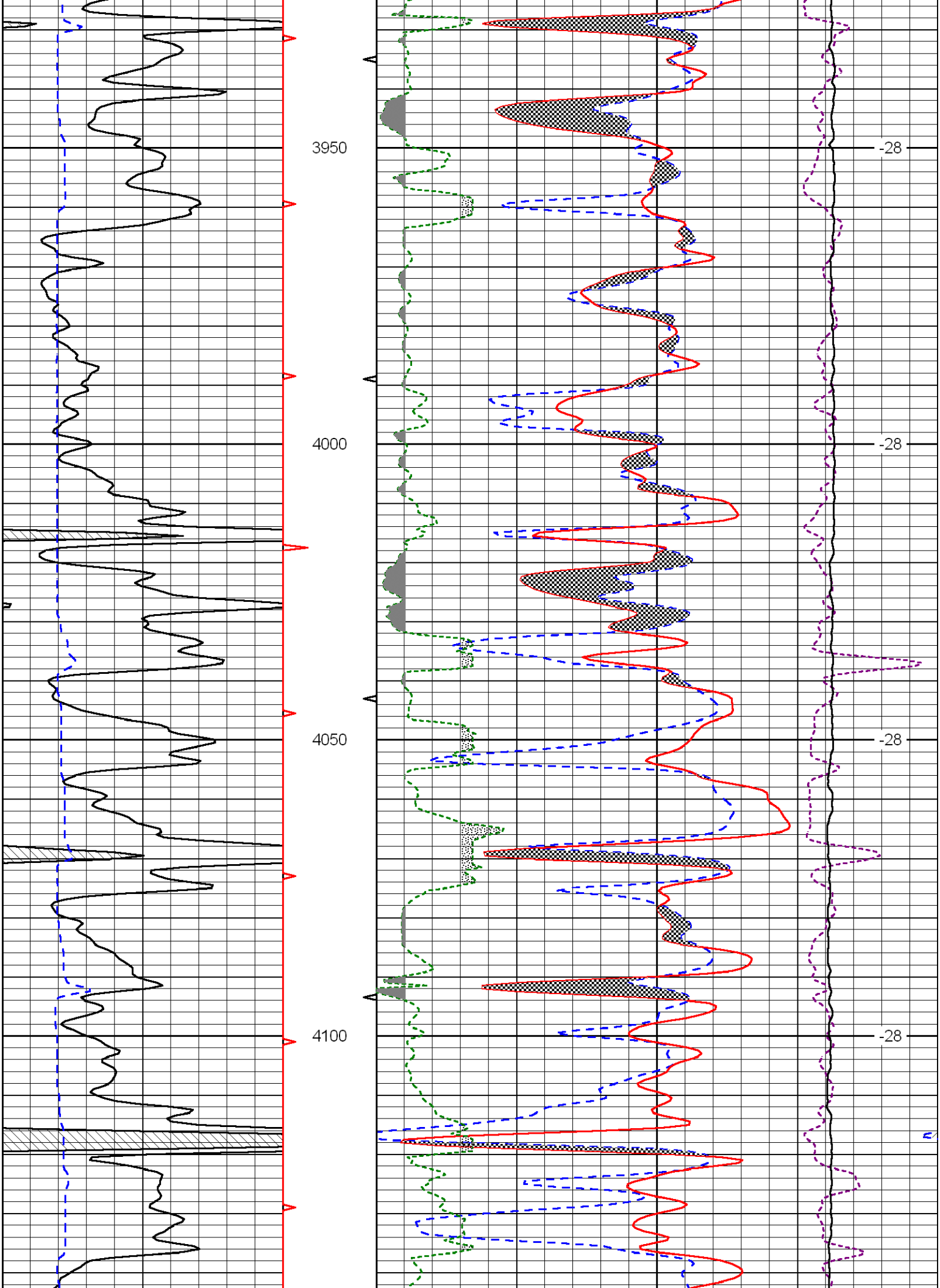

0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
2.625 DGA 3.425
-0.25 Correction 0.25
LSPD
3800
3850
3900
3950
4000
4050
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4150
4200
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-29
-28
-28
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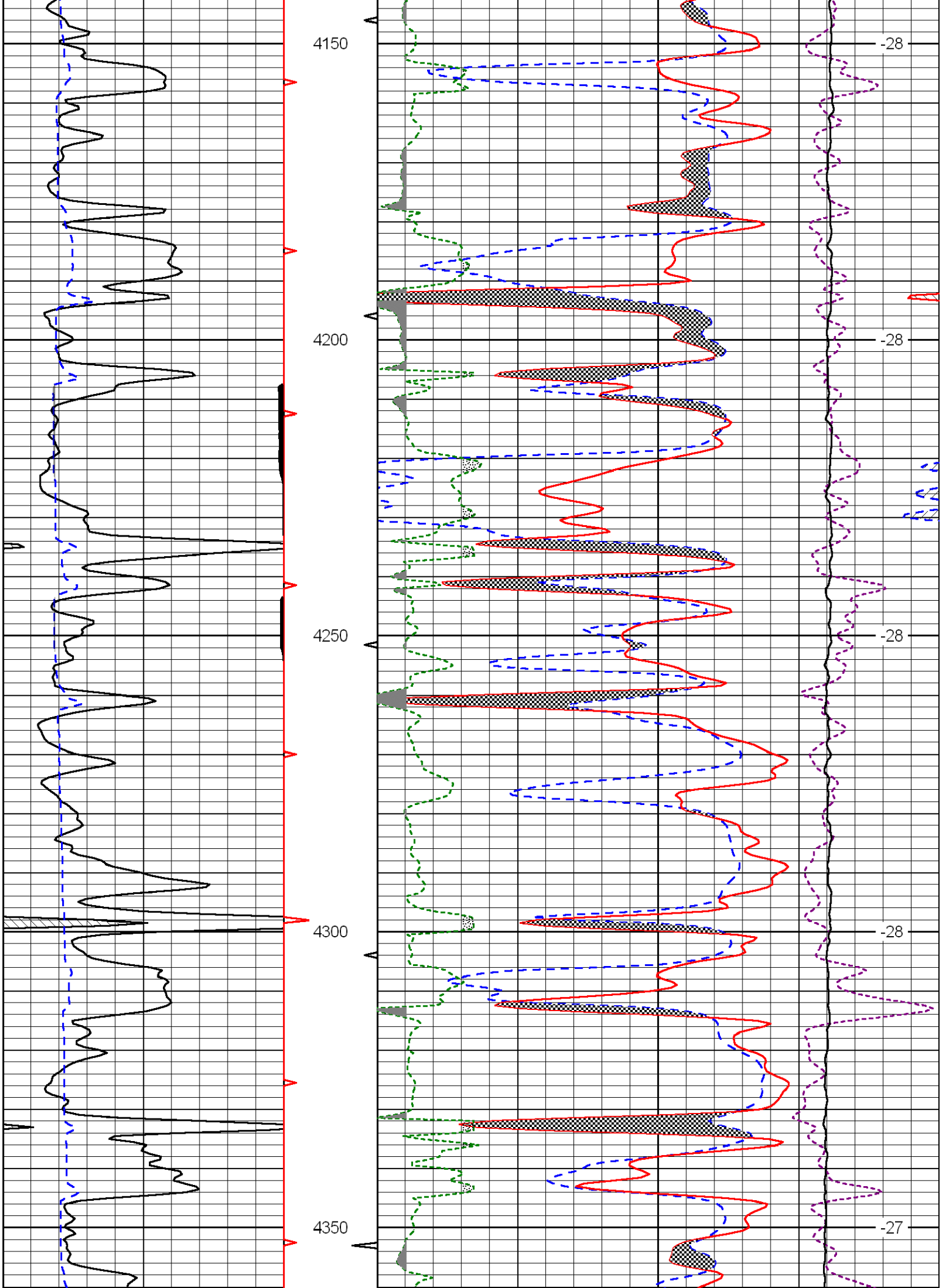

4300
4350
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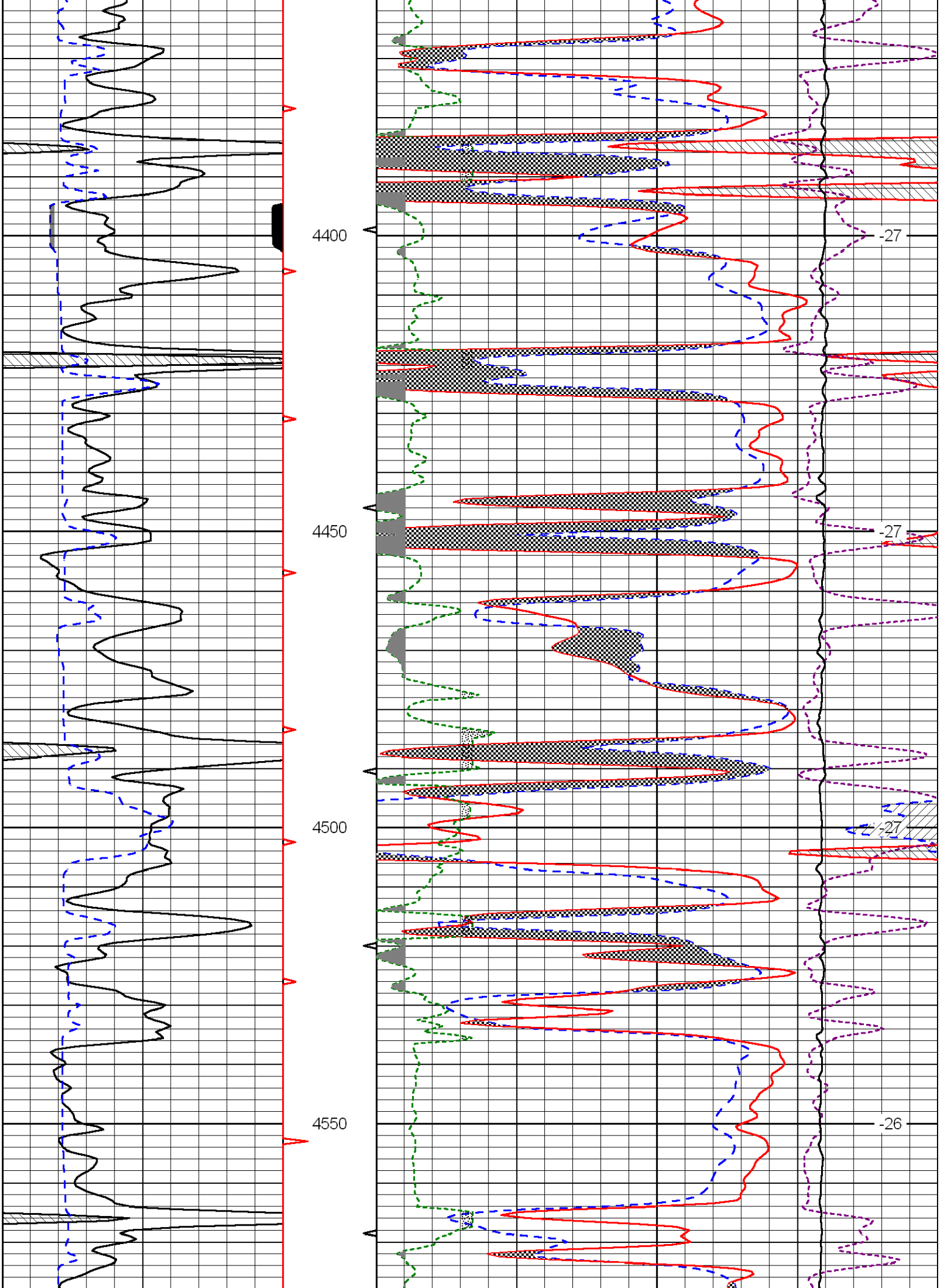


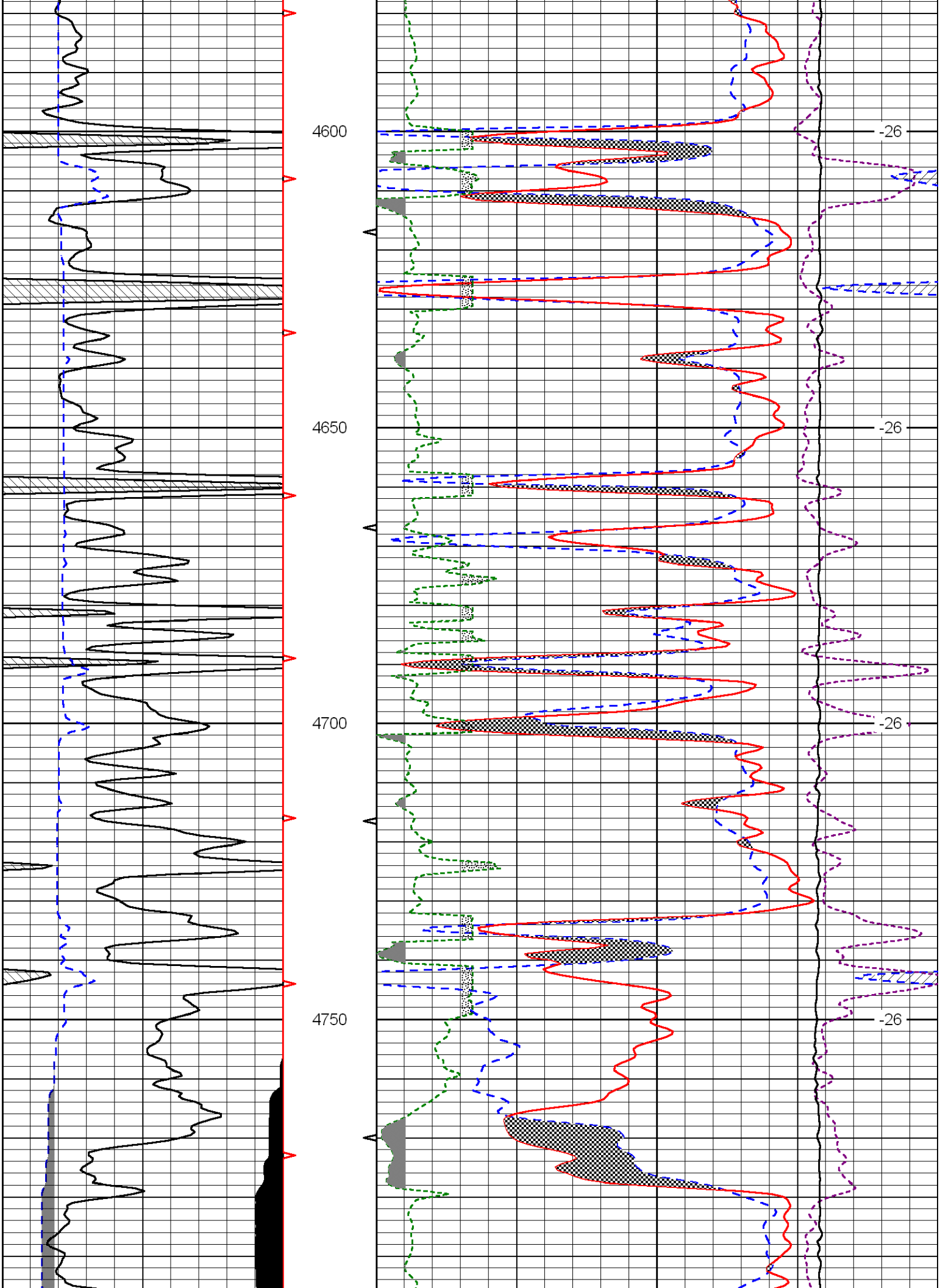
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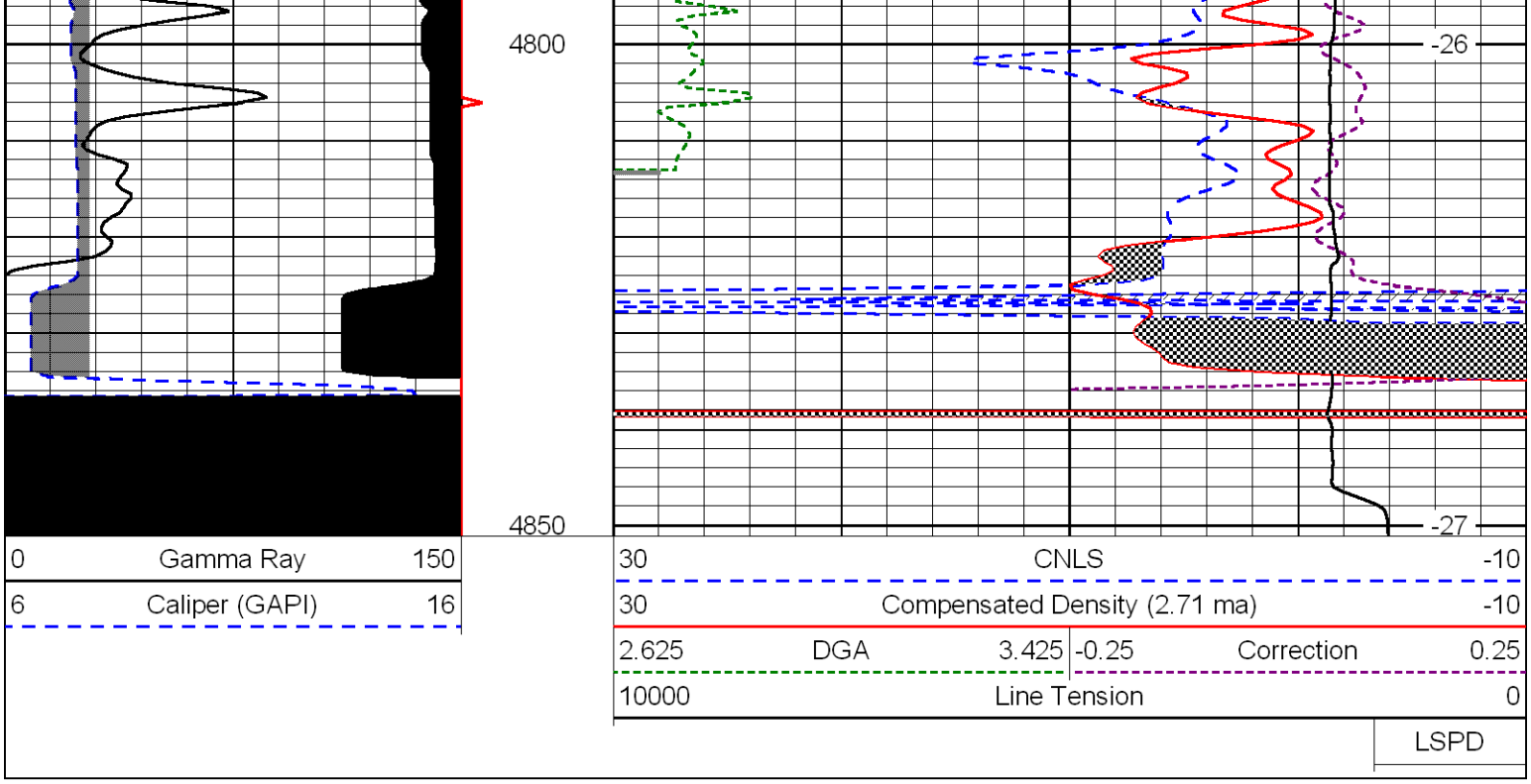



3950
4000
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4500
4550
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-27
-26


4600
4650
4700
4750
-26
-26
-26



0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0
					LSPD