PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-135-25766-00-00

Company Robert F. Hembree

Well Petersilie #5

Field Petersilie Northeast

County Ness State Kansas

Location 1890' FSL & 1852' FEL

Sec: 12 Twp: 20S Rge: 24W

Other Services: DIL/MEL

Elevation: K.B. 2329, D.F. , G.L. 2322

Permanent Datum: Ground Level — Elevation 2322

Log Measured From: Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From: Kelly Bushing

Date	06/03/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4455
Depth Logger	4455
Bottom Logged Interval	4434
Top Logged Interval	3600
Type Fluid In Hole	Chemical
Salinity, PPM CL	3000
Density	9.3
Level	Full
Max. Rec. Temp. F	123
Operating Rig Time	4 Hours
Equipment -- Location	91 Hays
Recorded By	M. Beougher
Witnessed By	Jim Musgrove

Borehole Record

Run No.	Bit	From	To
One	12.25	00	220
Two	7.875	220	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	220

D. Schmidt

<<< Fold Here >>>

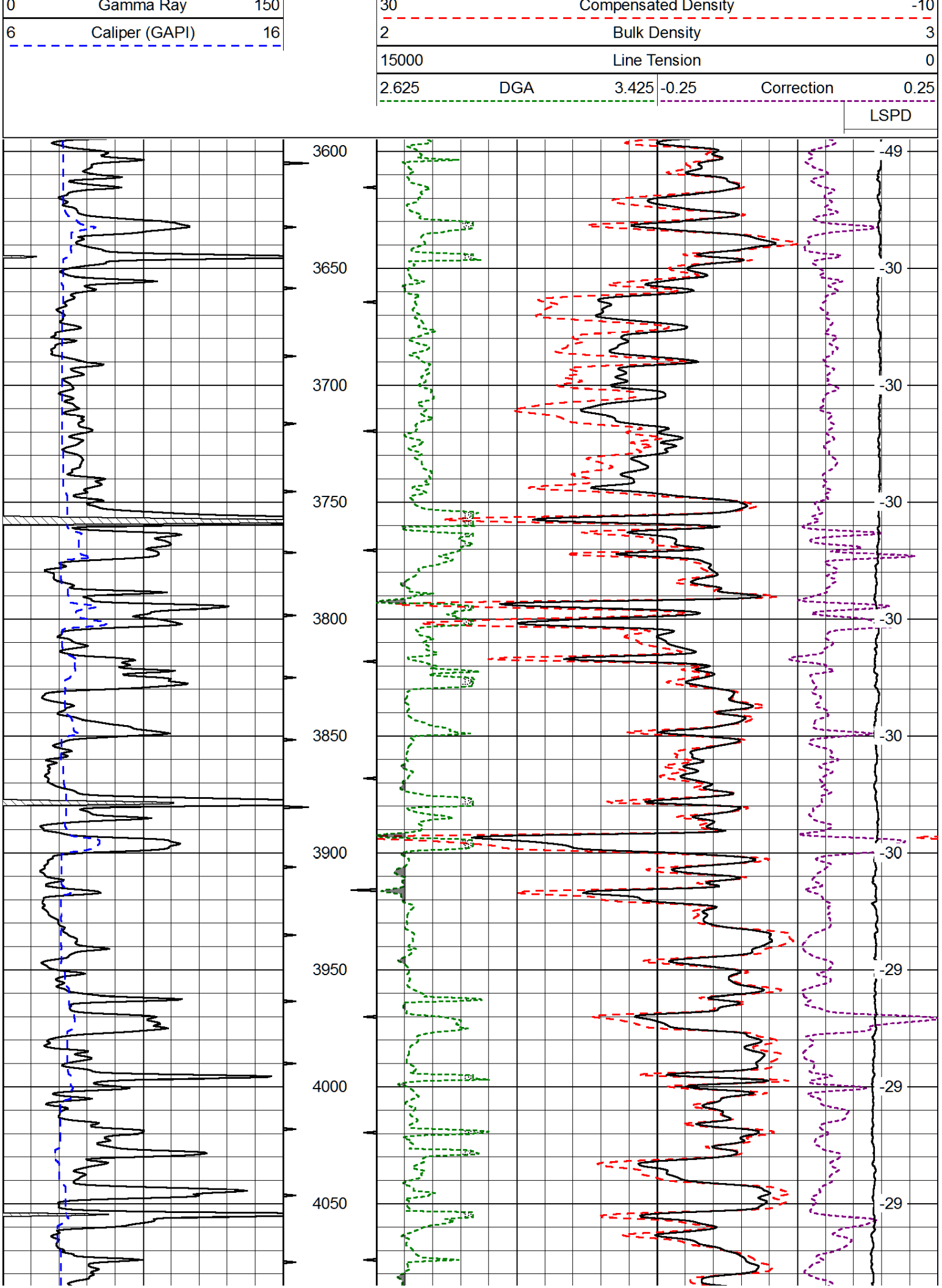
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

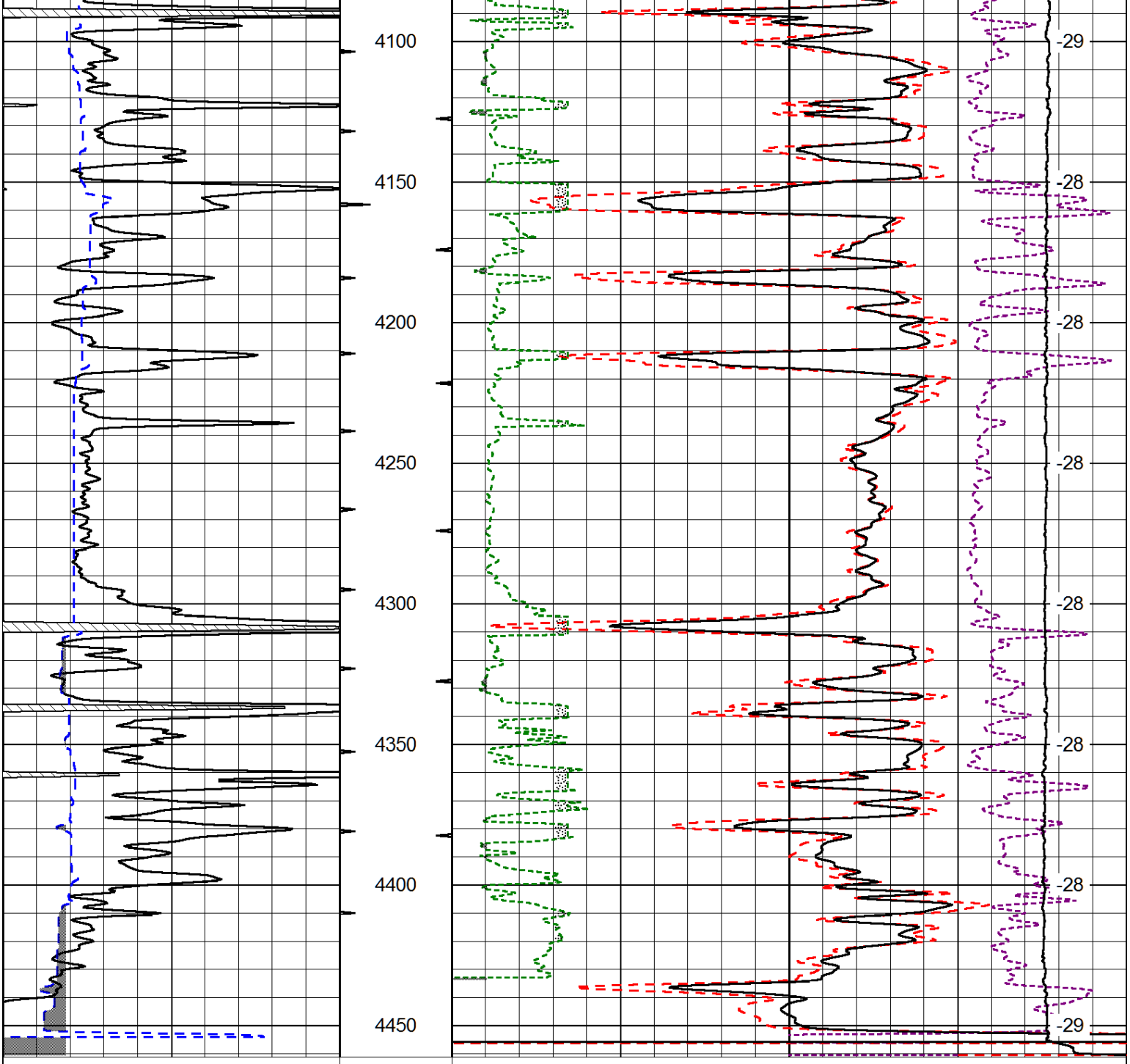
Comments

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

Ness City,
9 South to 40 Rd,
1 West, 1/2 North,
West Into

Database File:	hembree_petersilie_5hd.db
Dataset Pathname:	dil/hestkml
Presentation Format:	cdl
Dataset Creation:	Tue Jun 03 20:52:51 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
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
-49
-30
-30
-30
-30
-30
-29
-29
-29



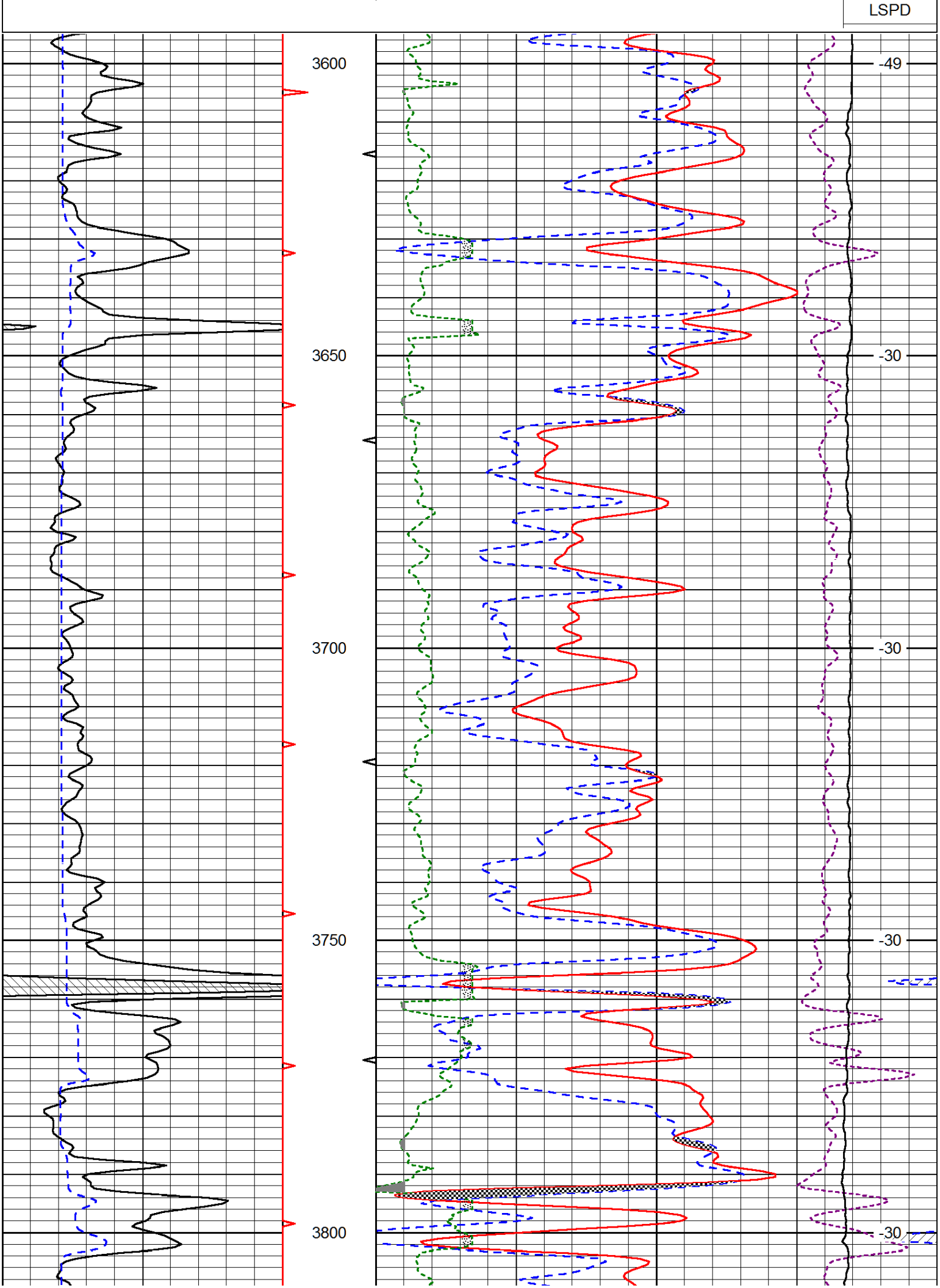
0	Gamma Ray	150
6	Caliper (GAPI)	16

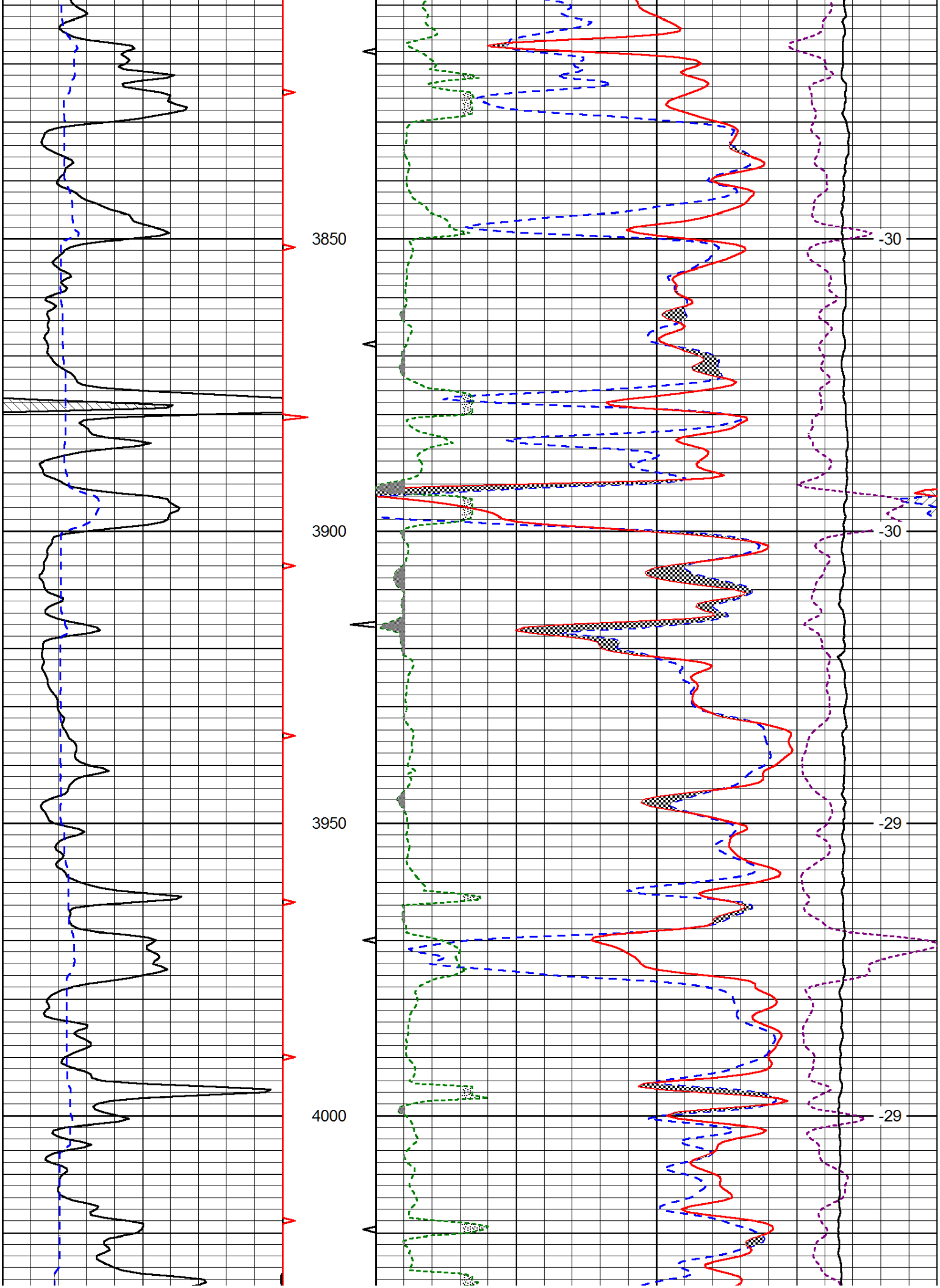
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

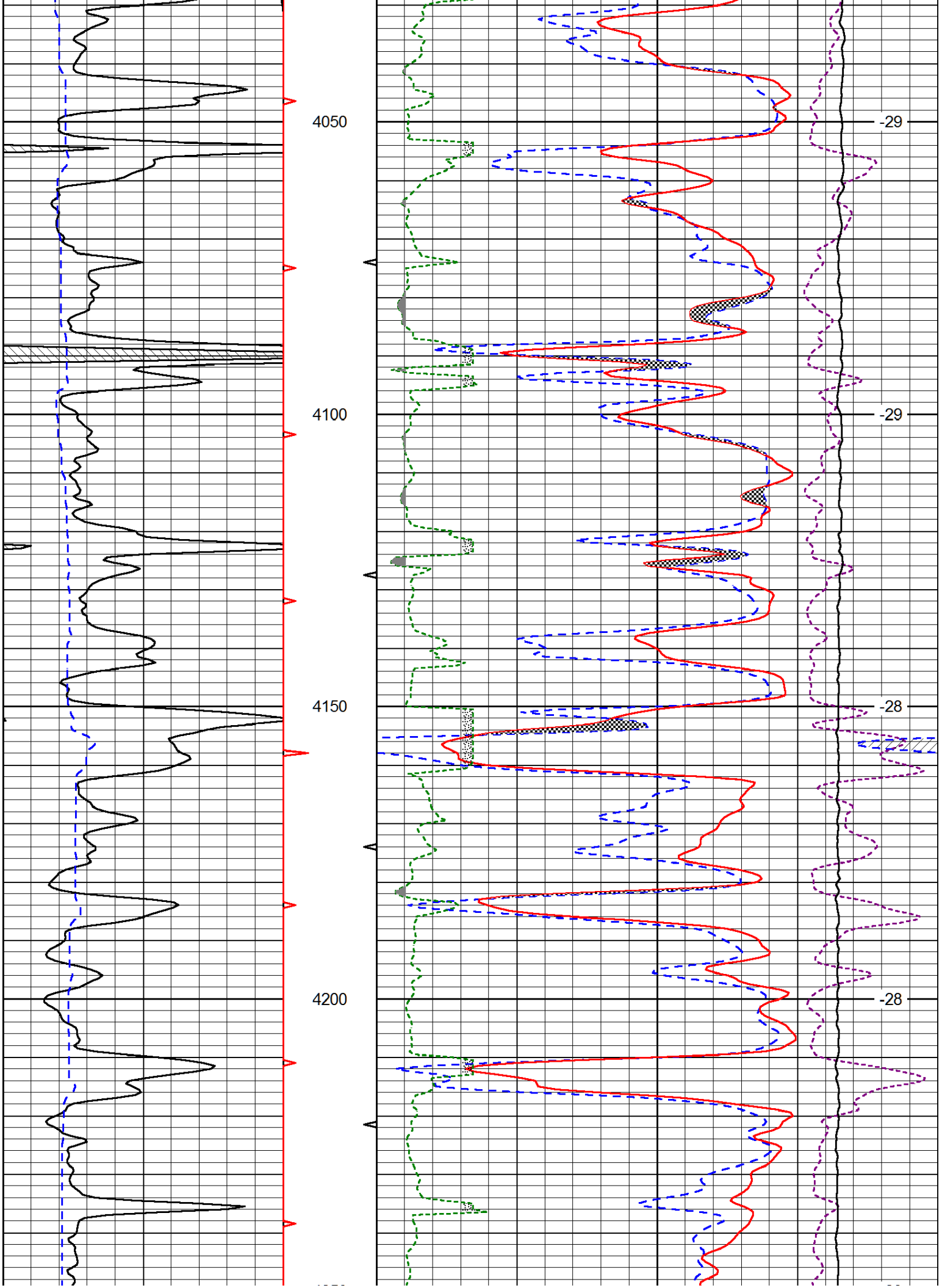
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Presentation Format:	cndlspec
Dataset Creation:	Tue Jun 03 20:52:51 2014
Charted by:	Depth in Feet scaled 1:240

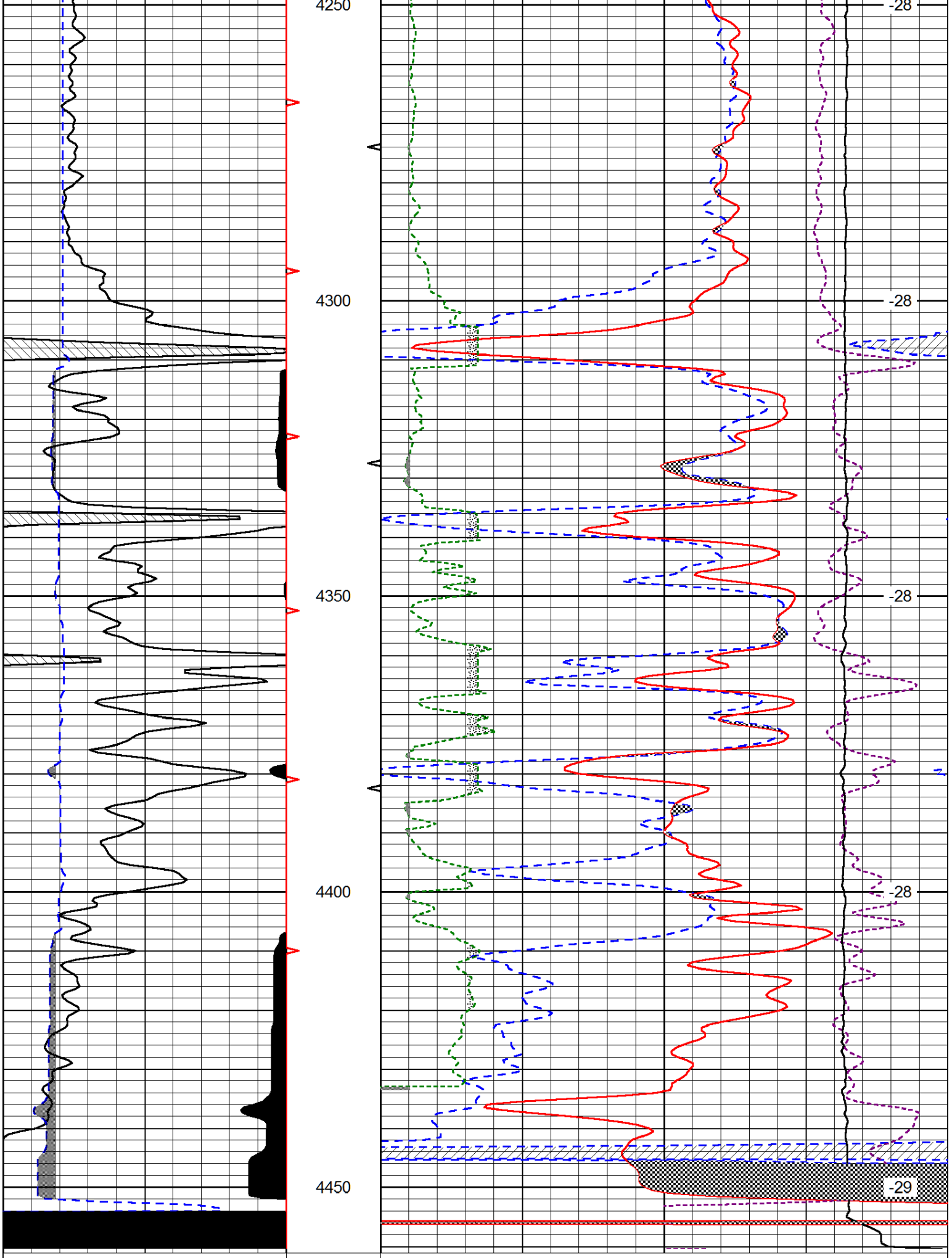
0	Gamma Ray	150
6	Caliper (GAPI)	16

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
3600
3650
3700
3750
3800
-49
-30
-30
-30
-30


3850
3900
3950
4000
-30
-30
-29
-29


4050
4100
4150
4200
-29
-29
-28
-28


4250
4300
4350
4400
4450
-28
-28
-28
-28
-29
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