PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-203-20,234-00-00

Company Raymond Oil Company, Inc.

Well Helen Wells Trust #2

Field Wildcat

County Wichita State Kansas

Location E/2 SE NW NW
990' FNL & 1255' FWL

Sec: 18 Twp: 20S Rge: 35W

Other Services
DIL/MEL

Elevation
K.B. 3166
D.F.
G.L. 3155

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	10/7/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	5052
Depth Logger	5054
Bottom Logged Interval	5033
Top Logged Interval	3450
Type Fluid In Hole	Chemical
Salinity, PPM CL	6000
Density	9.5
Level	Full
Max. Rec. Temp. F	127
Operating Rig Time	4 1/2 Hours
Equipment -- Location	15 Hays
Recorded By	D.Kerr
Witnessed By	Max Lovely

Borehole Record

Run No.	Bit	From	To
One	12.25	00	267
Two	7.875	267	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	267

<<< Fold Here >>>

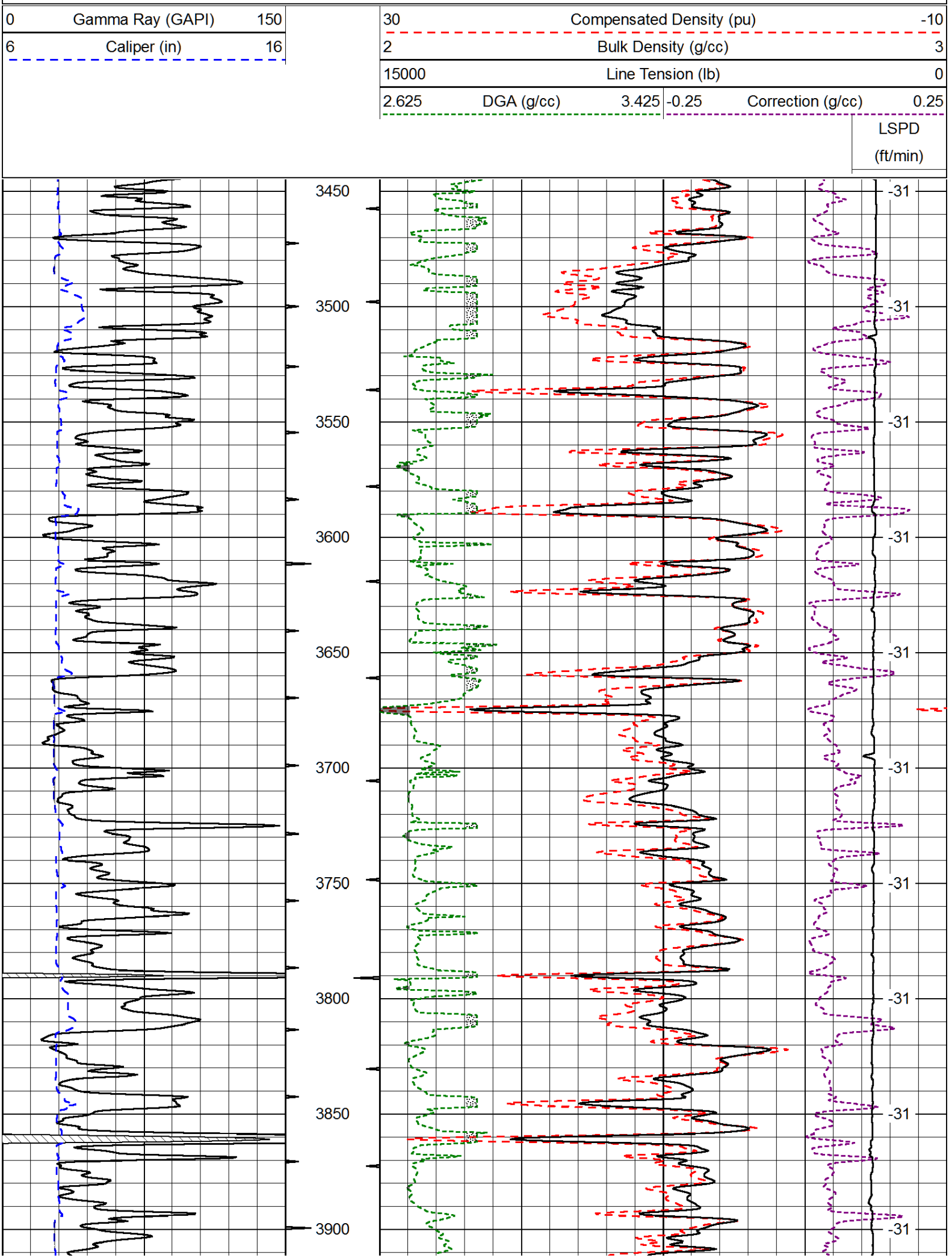
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

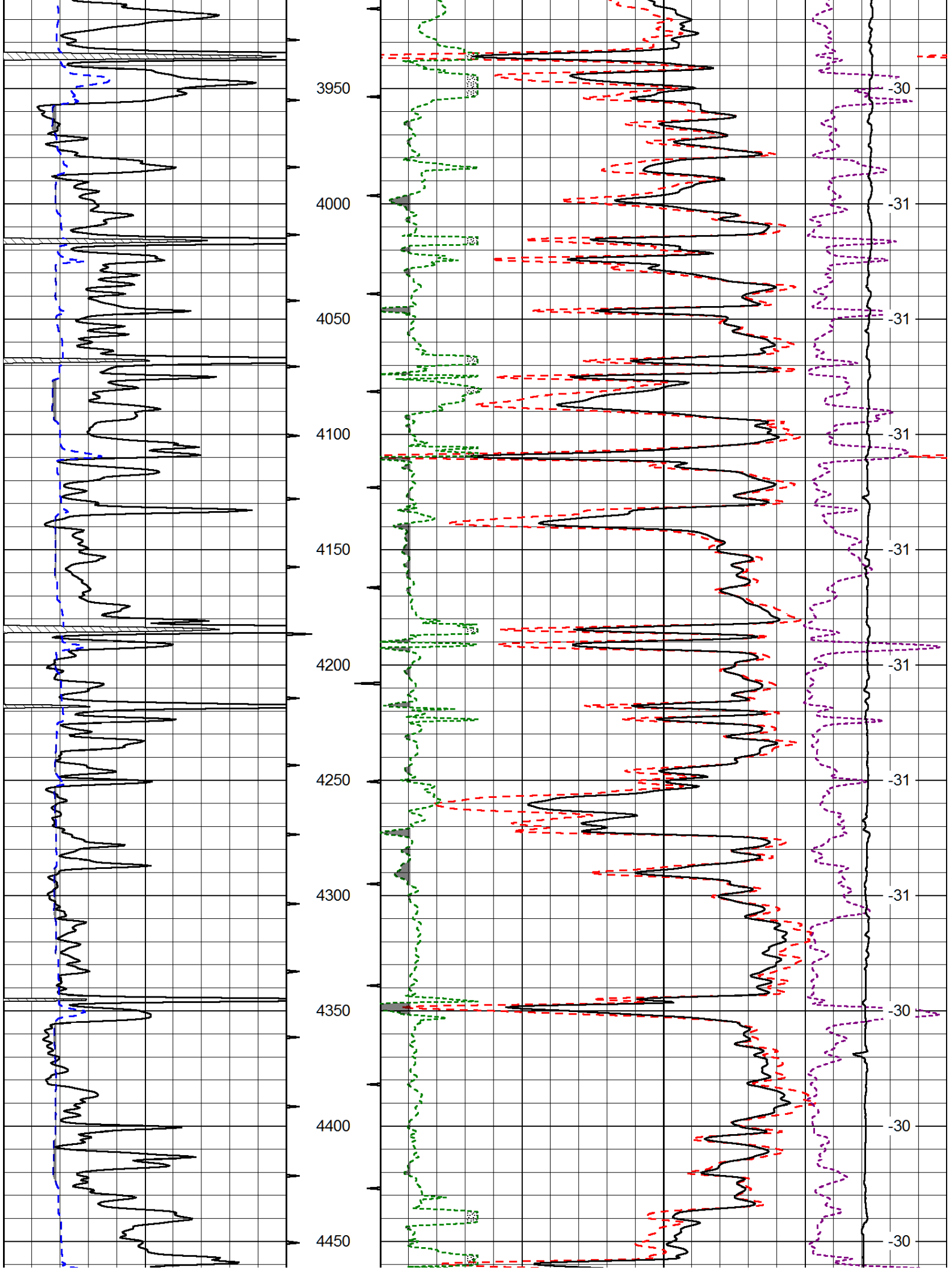
Comments

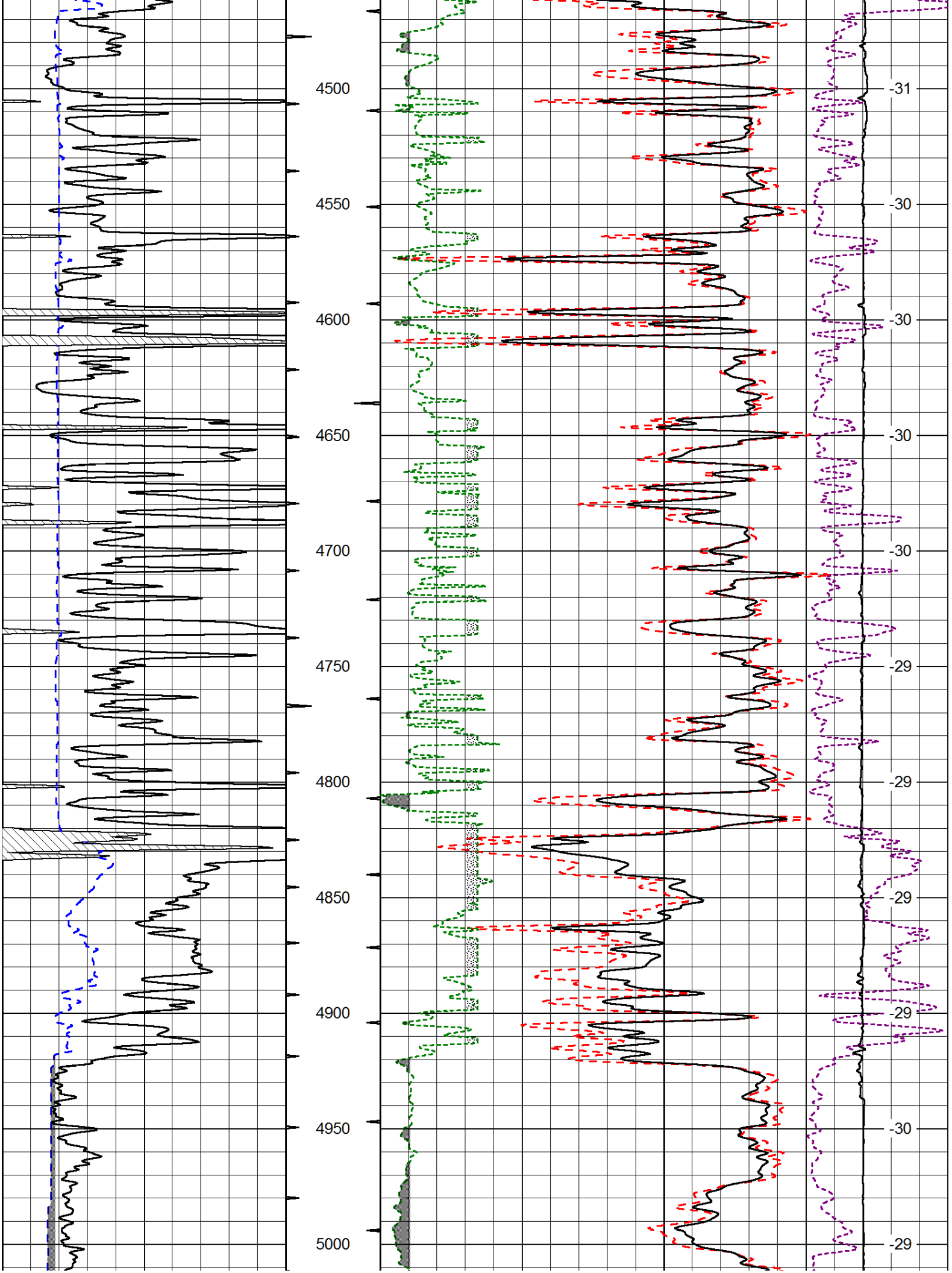
Thank you for using Log-Tech, Inc.
(785) 625-3858

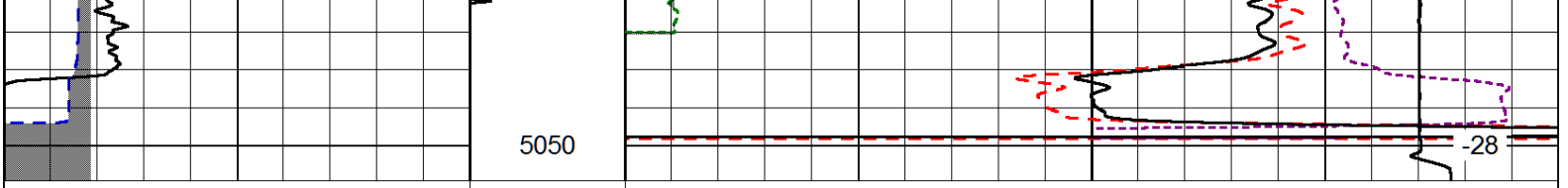
Marienthal KS, South to AA RD,
1/2 West, South Into

Database File:	raymond_helenwells_2hd.db
Dataset Pathname:	DIL/raystk
Presentation Format:	cdl
Dataset Creation:	Mon Oct 07 18:57:41 2013
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)
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
-31


3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
-30
-31
-31
-31
-31
-31
-31
-31
-30
-30
-30


4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
5000
-31
-30
-30
-30
-30
-29
-29
-29
-29
-30
-29



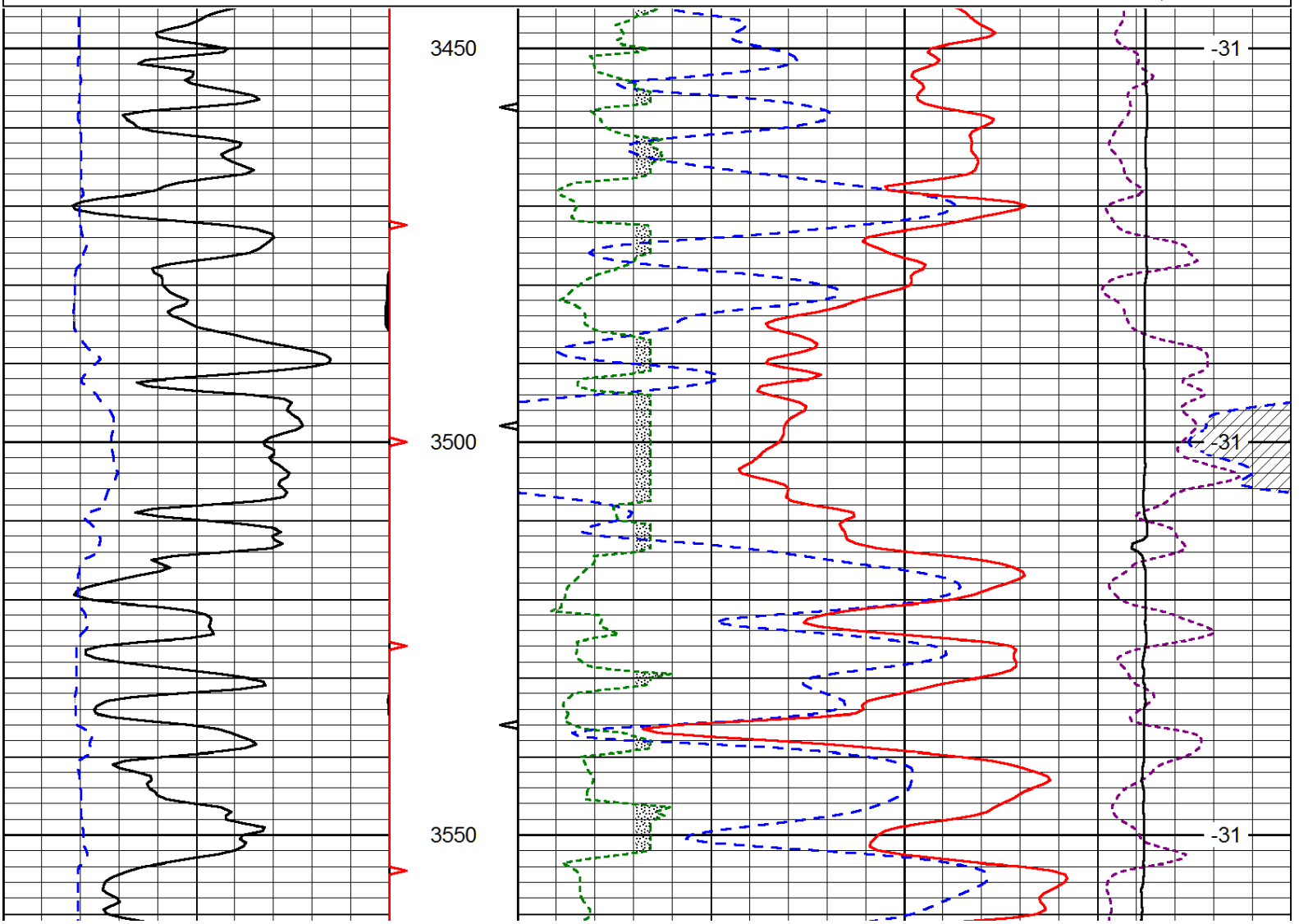
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

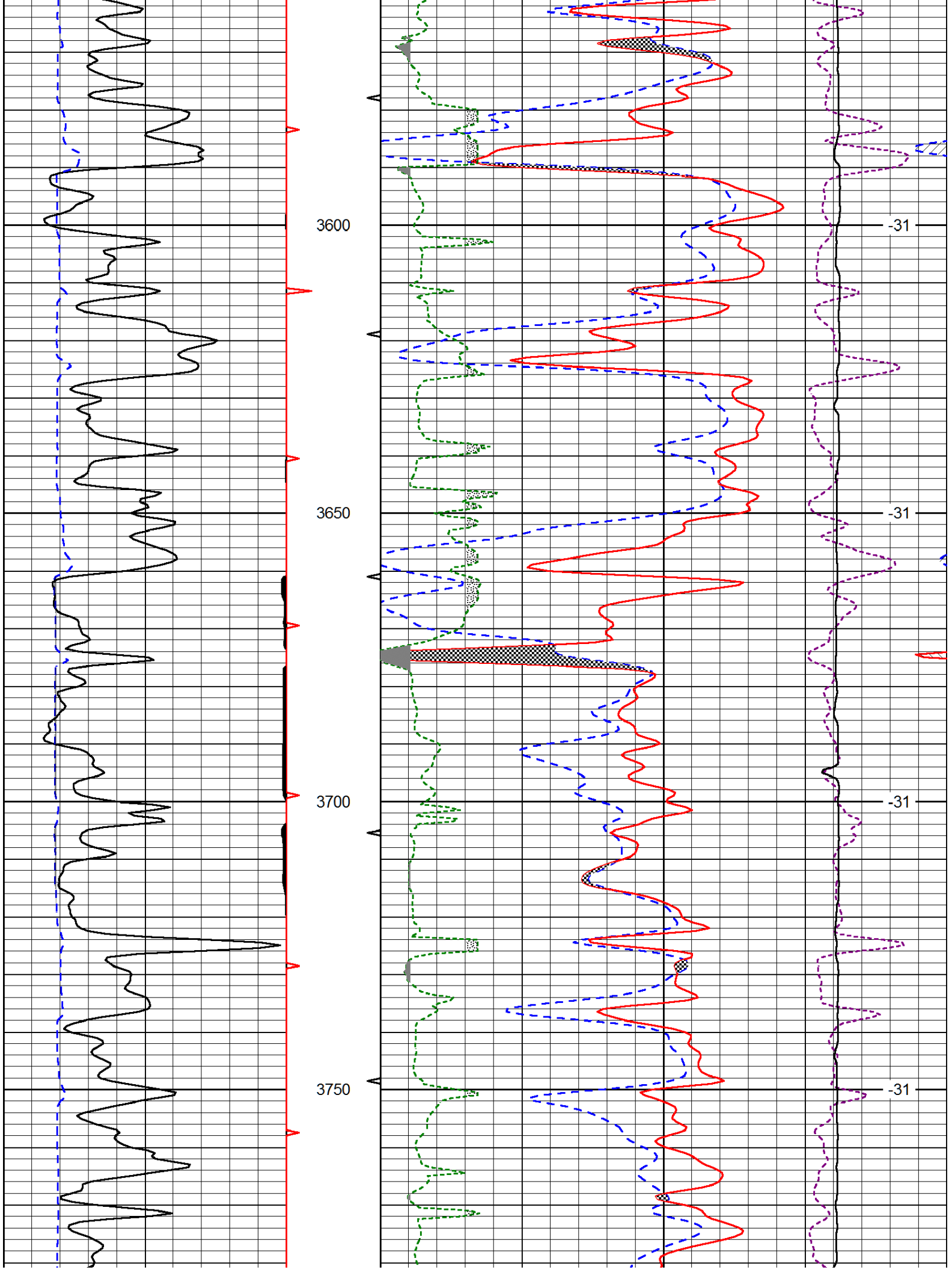
30	Compensated Density (pu)				-10
2	Bulk Density (g/cc)				3
15000	Line Tension (lb)				0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
					LSPD (ft/min)

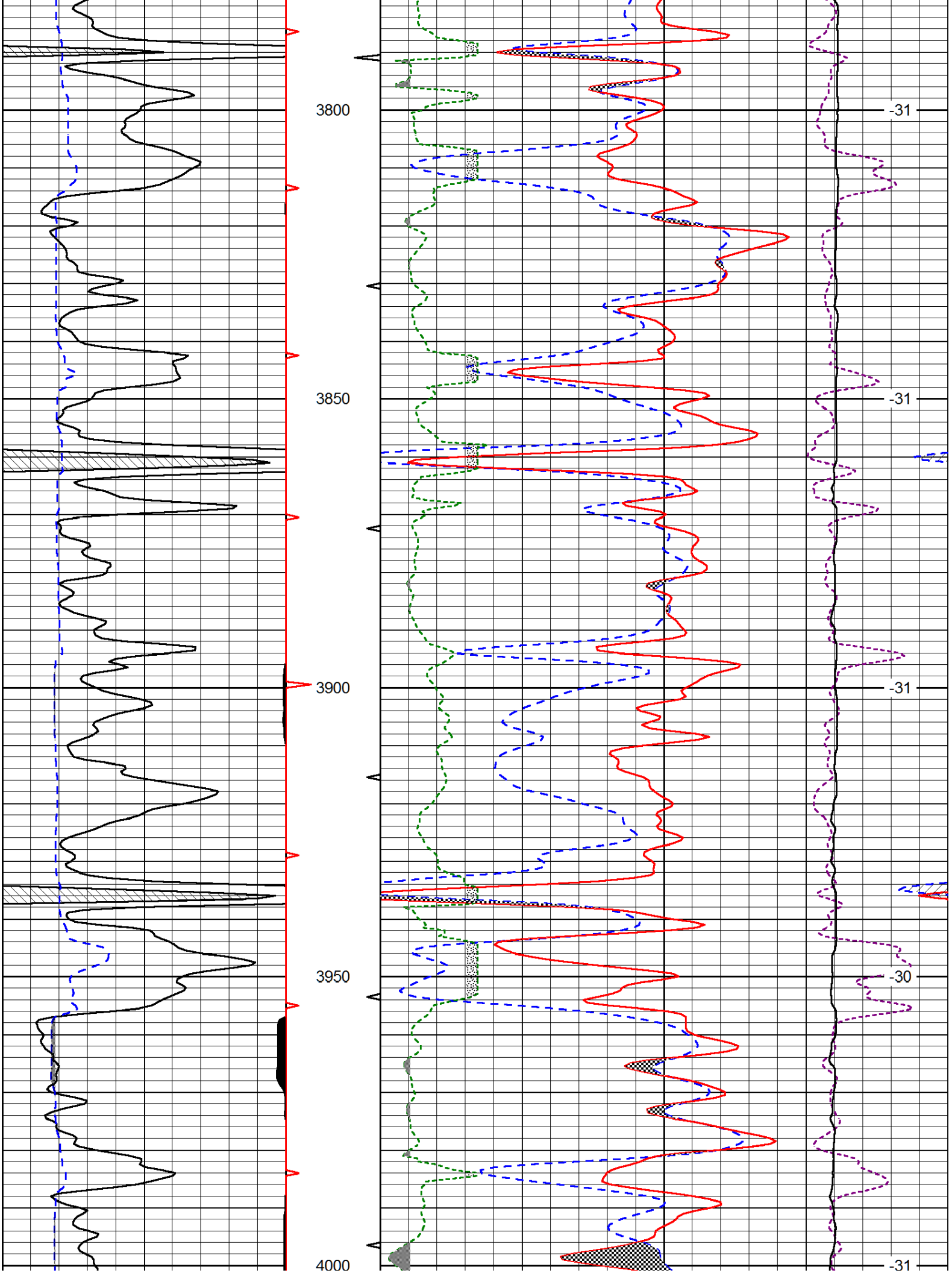
Database File: raymond_helenwells_2hd.db
Dataset Pathname: DIL/raystk
Presentation Format: cndlspec
Dataset Creation: Mon Oct 07 18:57:41 2013
Charted by: Depth in Feet scaled 1:240

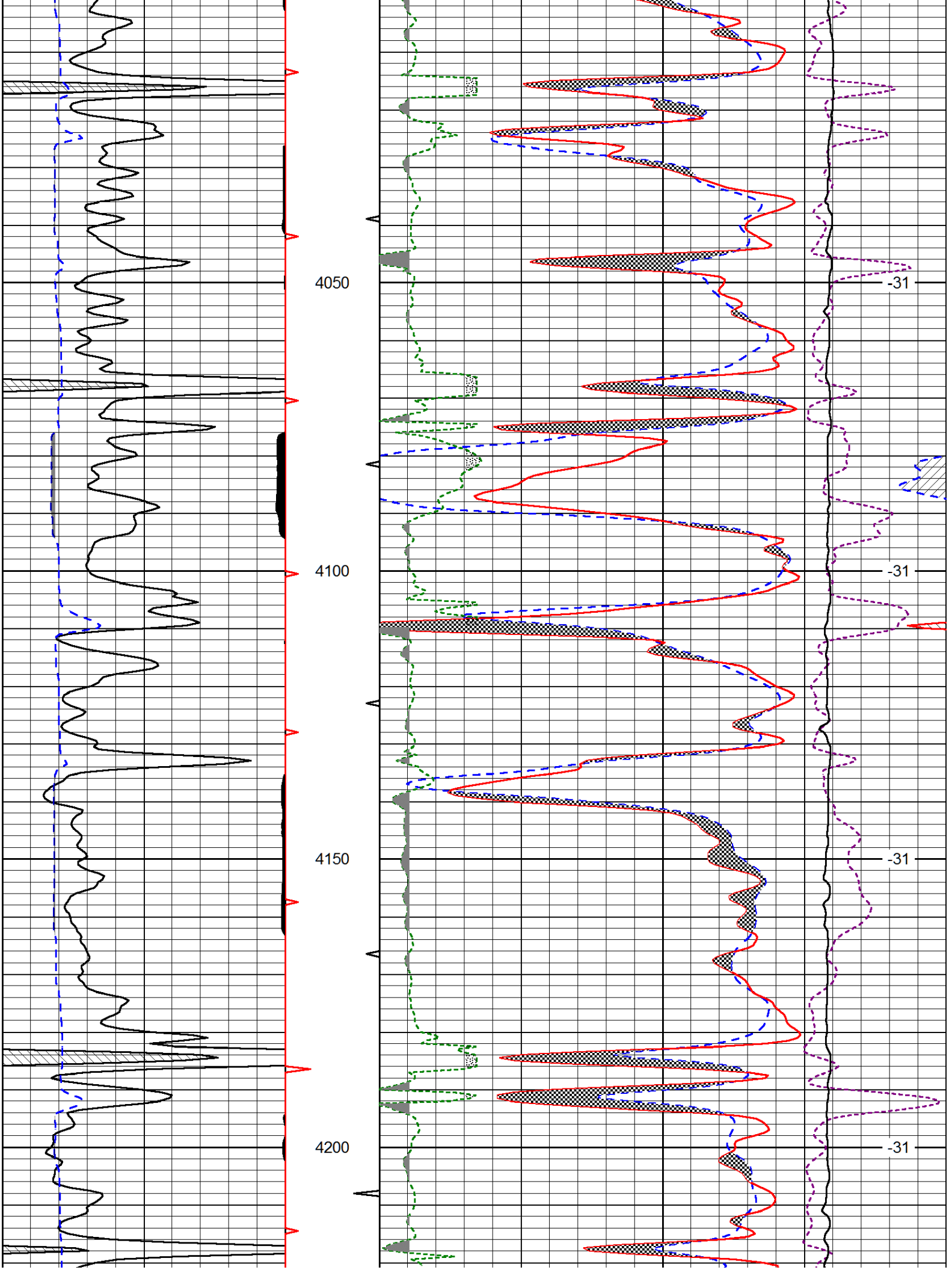
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

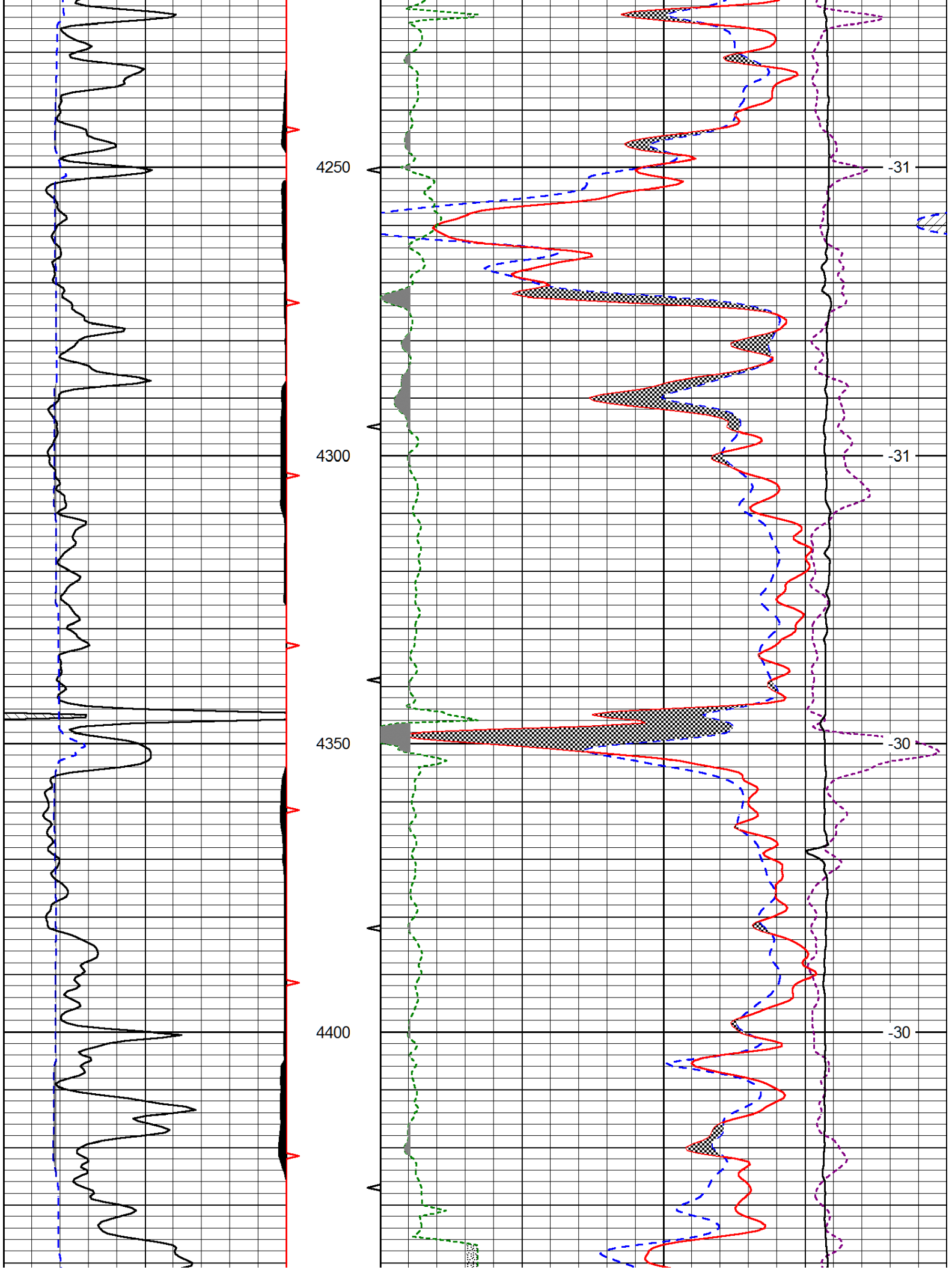
30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0
					LSPD (ft/min)

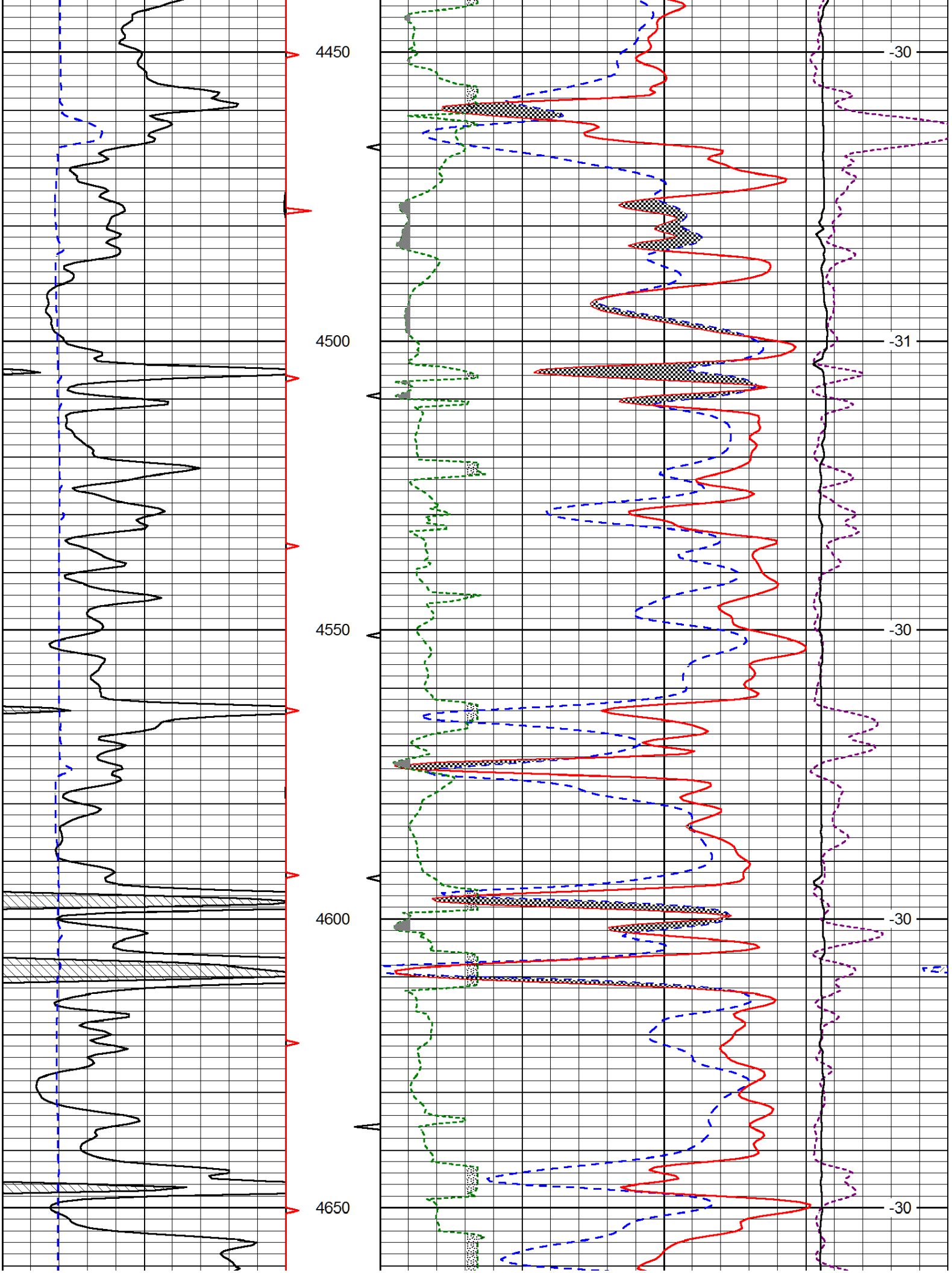


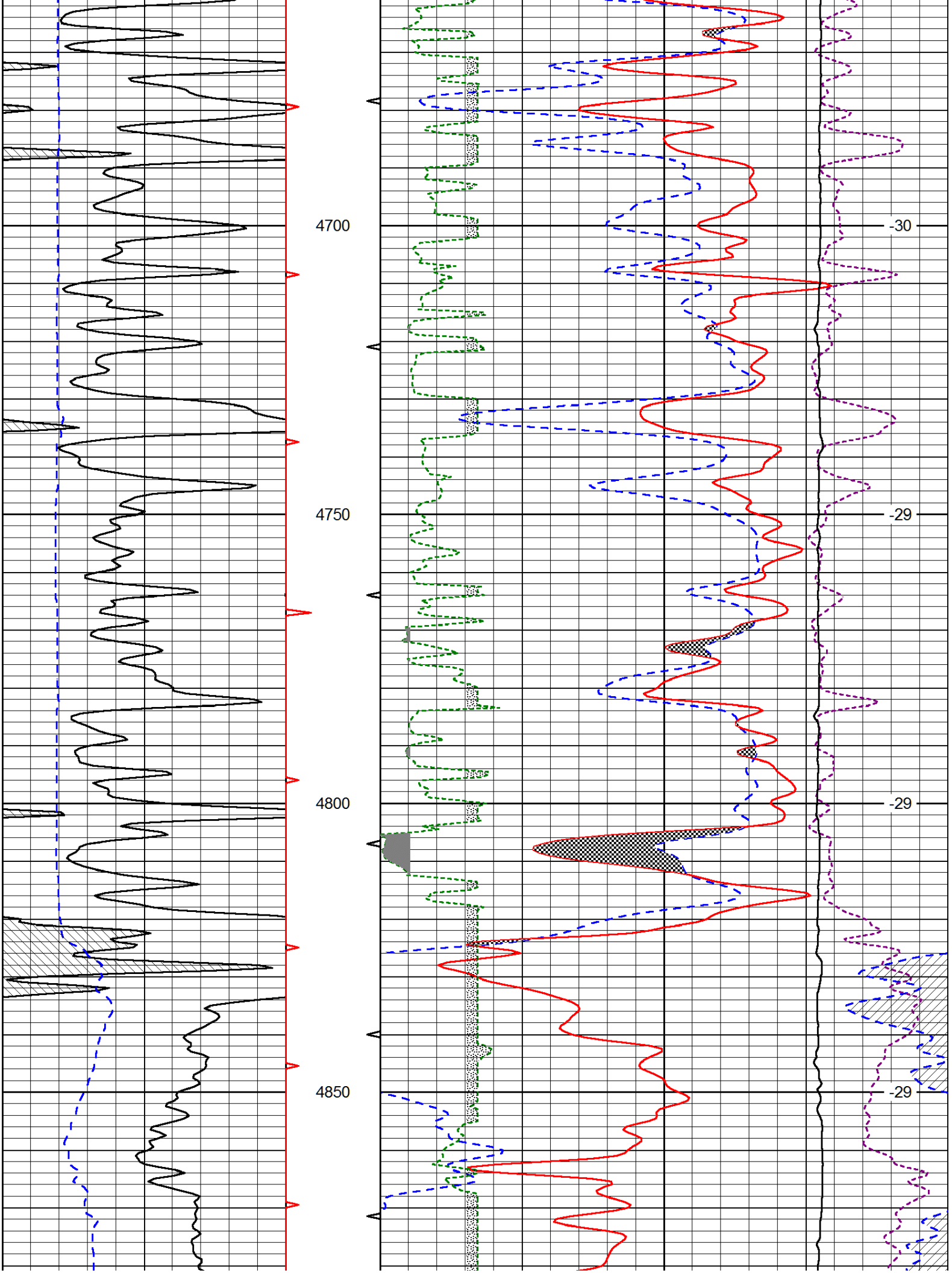

3600
3650
3700
3750
-31
-31
-31
-31

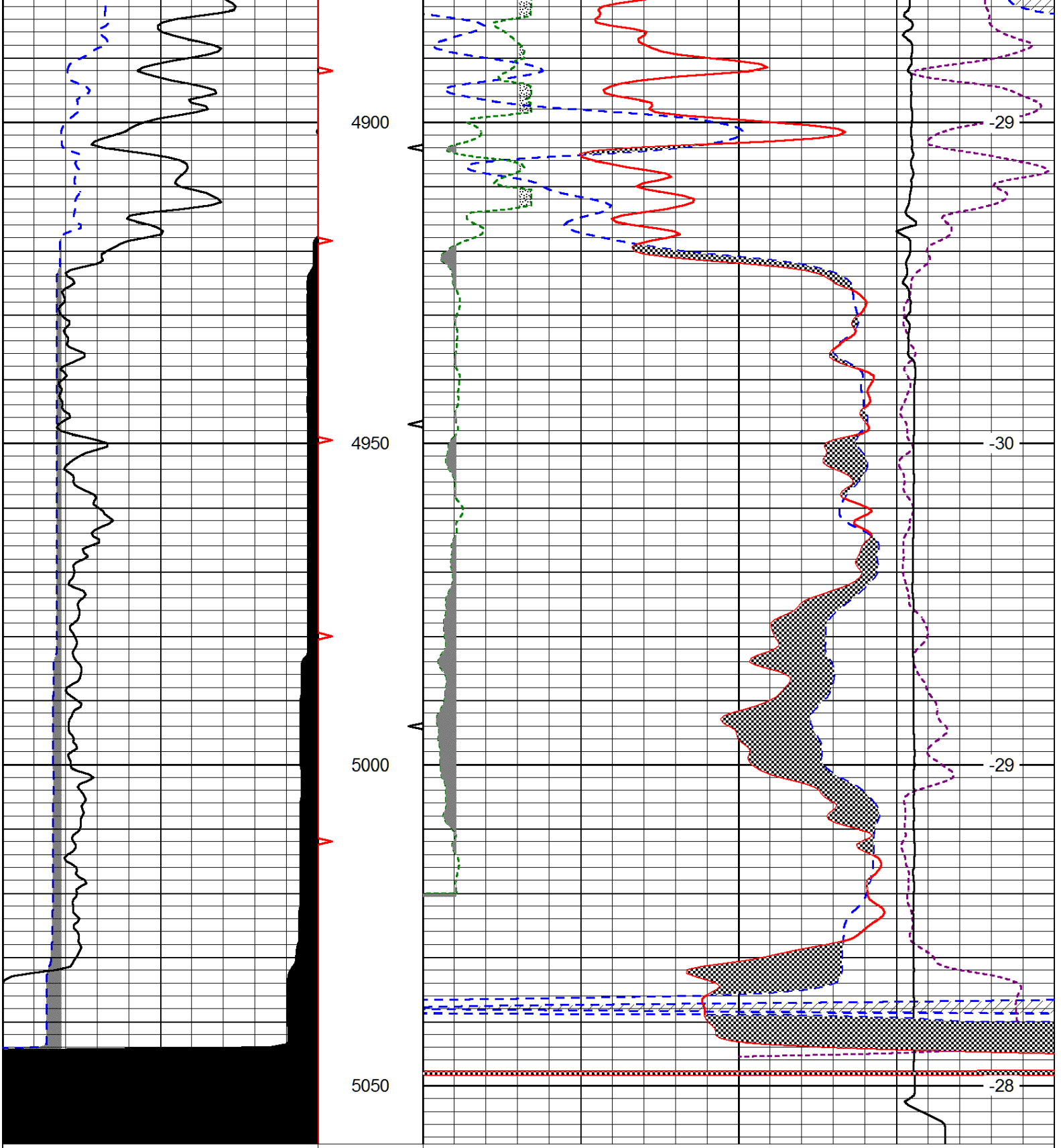

3800
3850
3900
3950
4000
-31
-31
-31
-30
-31


4050
4100
4150
4200
-31
-31
-31
-31


4250
4300
4350
4400
-31
-31
-30
-30


4450
4500
4550
4600
4650
-30
-31
-30
-30
-30


4700
4750
4800
4850
-30
-29
-29
-29


4900
4950
5000
5050
-29
-30
-29
-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)