PIONEER
Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-153-20,916-00-00

Company	Murfin Drilling Company, Inc.
Well	Gilbert No. 1-27
Field	Daisy
County	Rawlins
State	Kansas

Location SW NW NE SE
2,300' FSL & 1,000' FEL

| Sec: 27 | Twp: 4S | Rge: 31W |

Elevation 2909 5 Ft. Above Perm. Datum

Other Services
DIL
MEL/BHCS

Elevation
K.B. 2914
D.F.
G.L. 2909

	Permanent Datum	Ground Level
	Log Measured From	Kelly Bushing
	Drilling Measured From	Kelly Bushing

Date	1/17/2013	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4565	
Depth Logger	4565	
Bottom Logged Interval	4544	
Top Logged Interval	3600	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	3000	
Density	9.3	
Level	Full	
Max. Rec. Temp. F	122	
Operating Rig Time	5 Hours	
Equipment -- Location	108 Hays	
Recorded By	J. Long	
Witnessed By	Rocky Milford	

Borehole Record

Run No.	Bit		Size	Wgt.
	From	To		
One	12.25	00	217	8.625	23#
Two	7.875	217	TD		

Casing Record

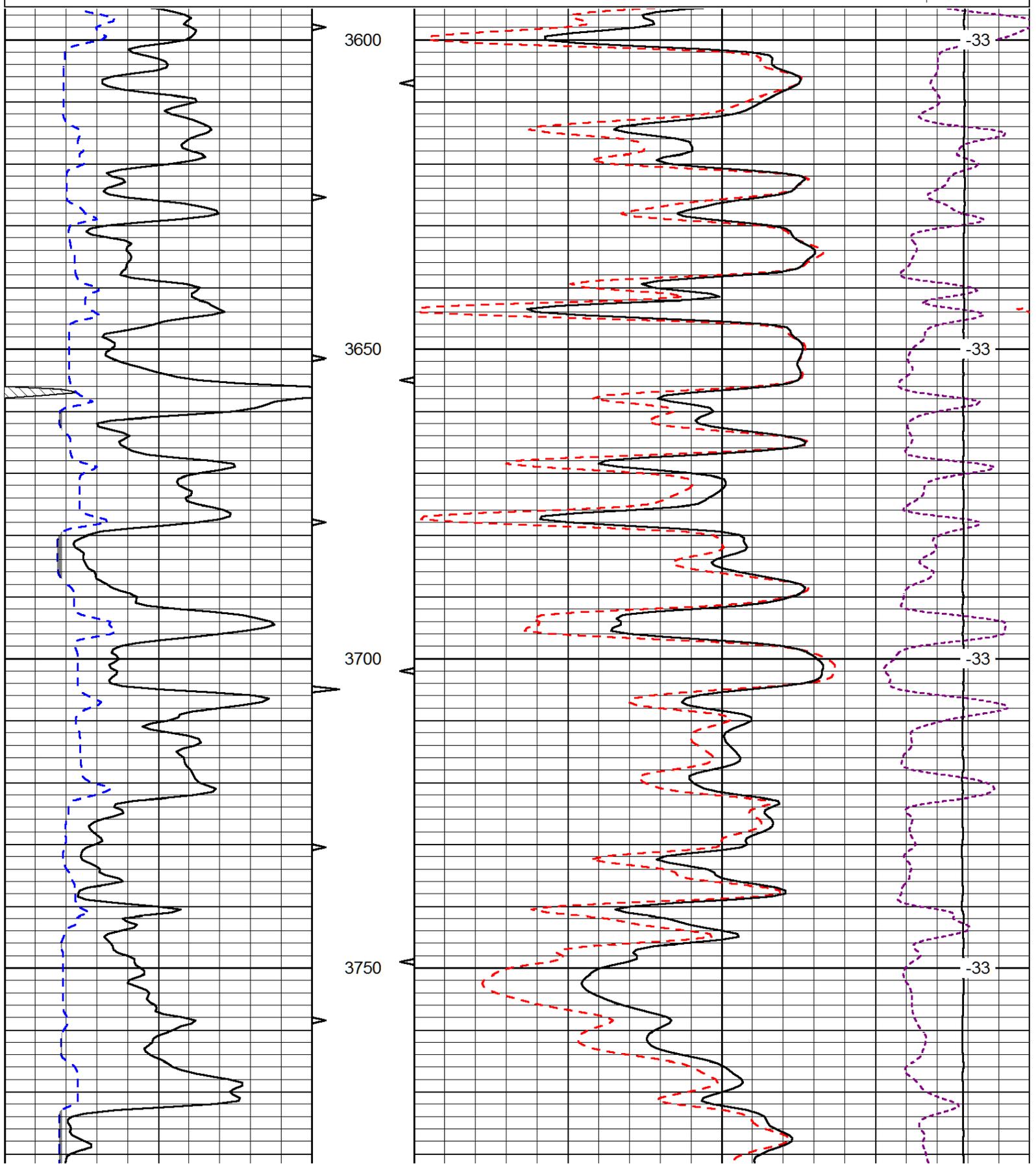| From	To
00	217

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Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858
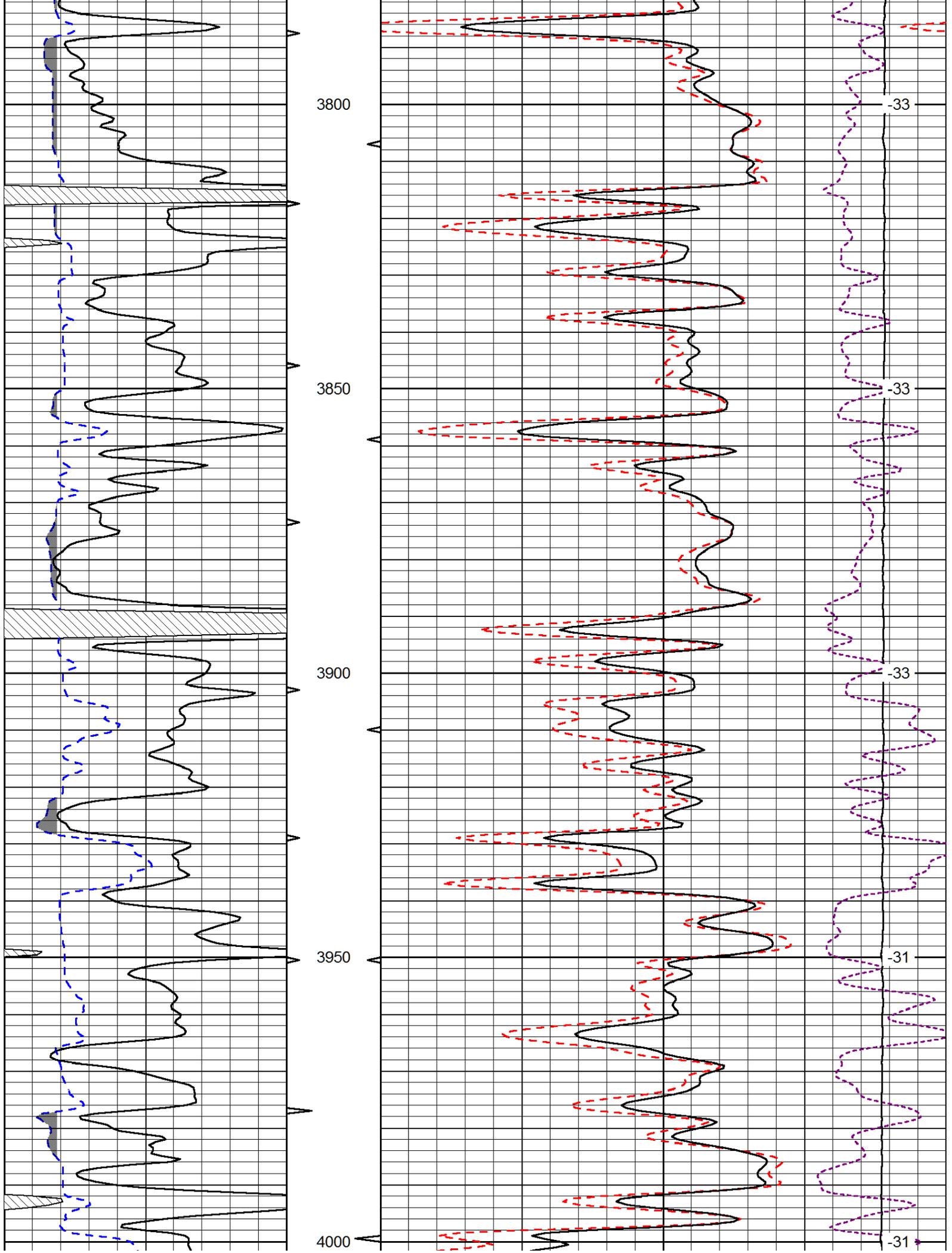
Rexford (Highway 83 and TH 36 Road Intersection), 7 North to Y, 1 East, 8 North to 10S Road, 3 West, 1/2 South, West Into
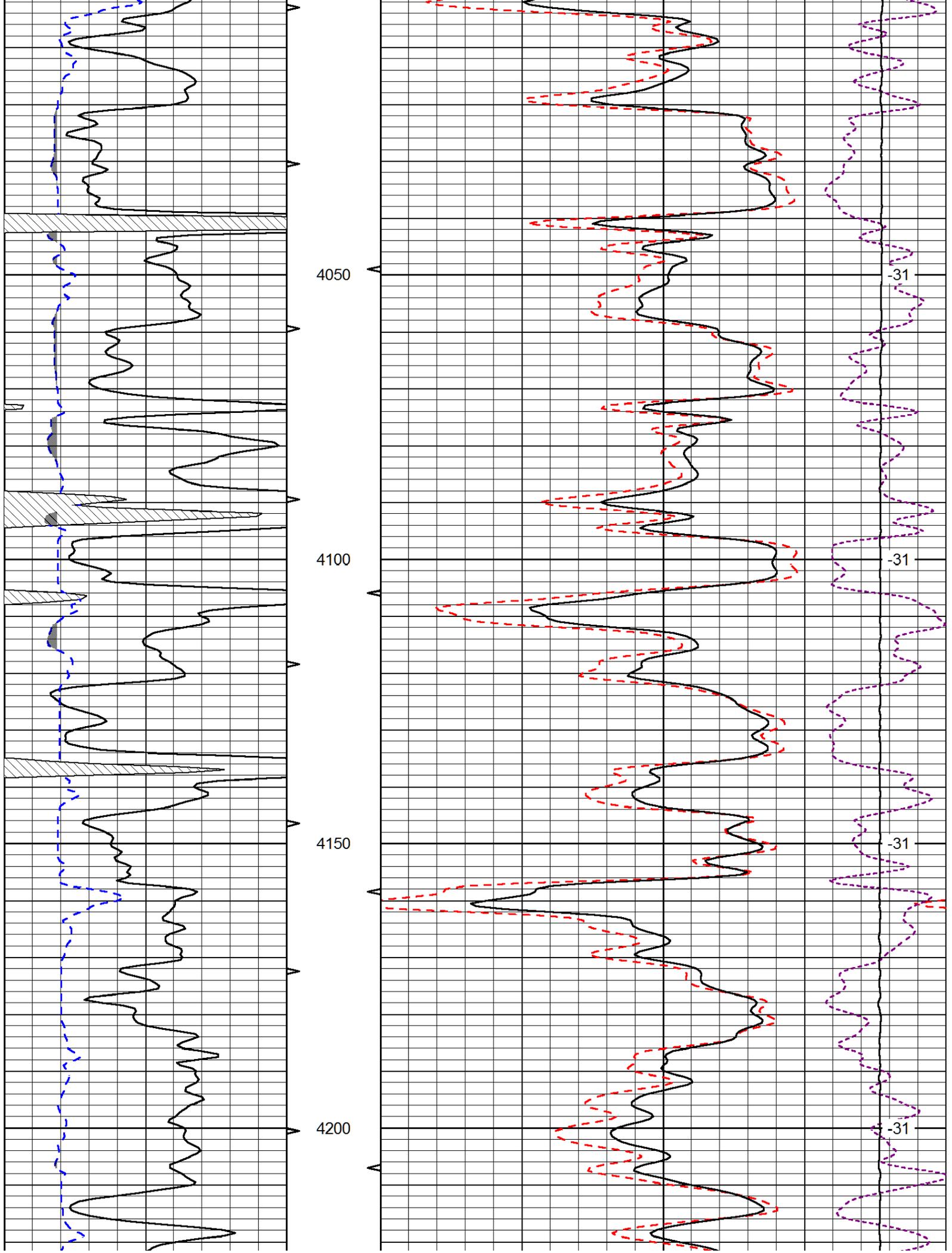
Database File:	murfin_gilbert_1-27hd.db
Dataset Pathname:	dil/murfstck
Presentation Format:	cdl
Dataset Creation:	Thu Jan 17 16:43:12 2013
Charted by:	Depth in Feet scaled 1:240

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

	Compensated Density (pu)	
30		-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

LSPD
(ft/min)

3600

3650

3700

3750

-33

-33

-33

-33

4050

4100

4150

4200

-31

-31

-31

-31

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

4450

4500

4550

30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

LSPD

(ft/min)

-29

-29

-29

Database File: murfin_gilbert_1-27hd.db
Dataset Pathname: dil/murfstck
Presentation Format: cndlspec
Dataset Creation: Thu Jan 17 16:43:12 2013
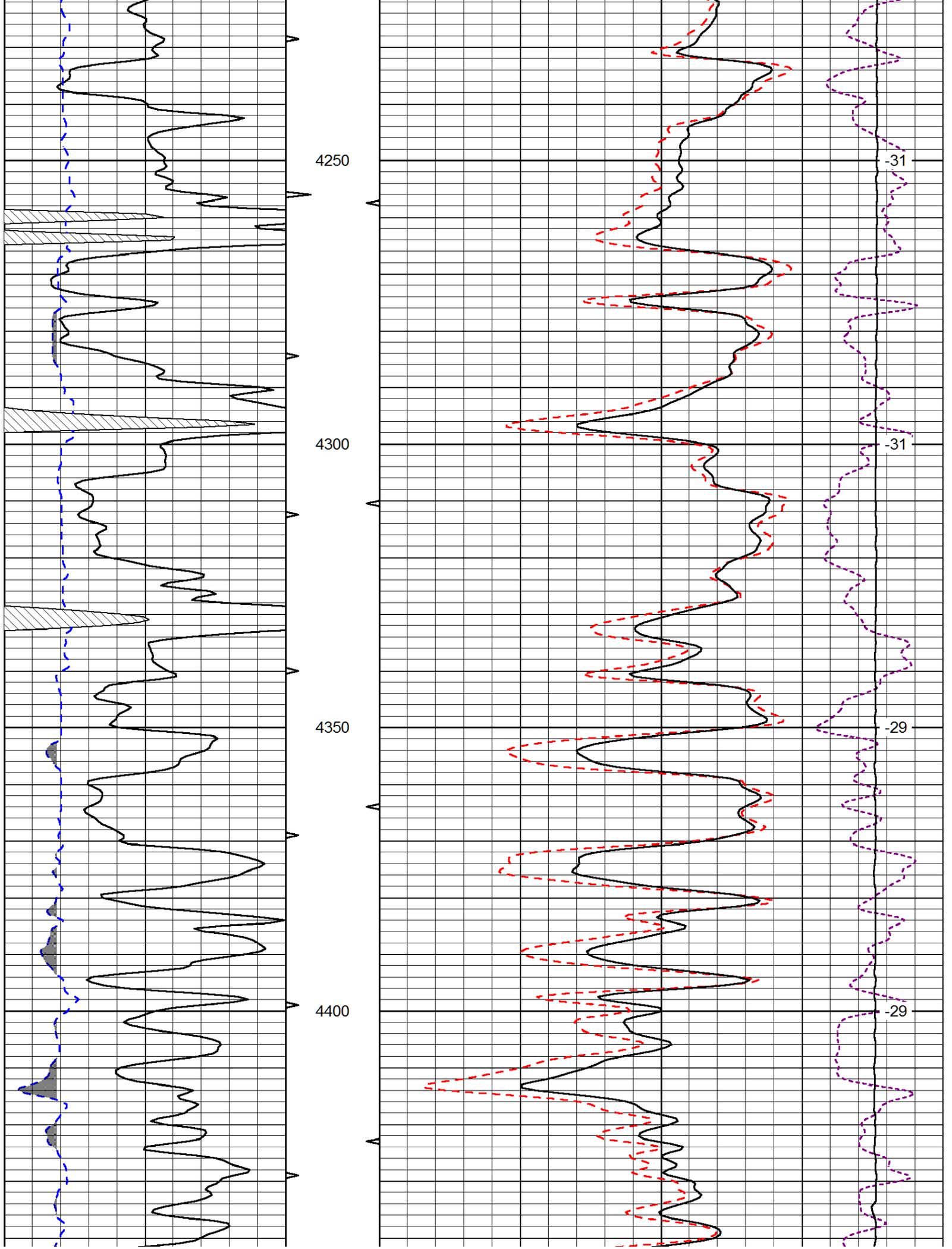Charted by: Depth in Feet scaled 1:240

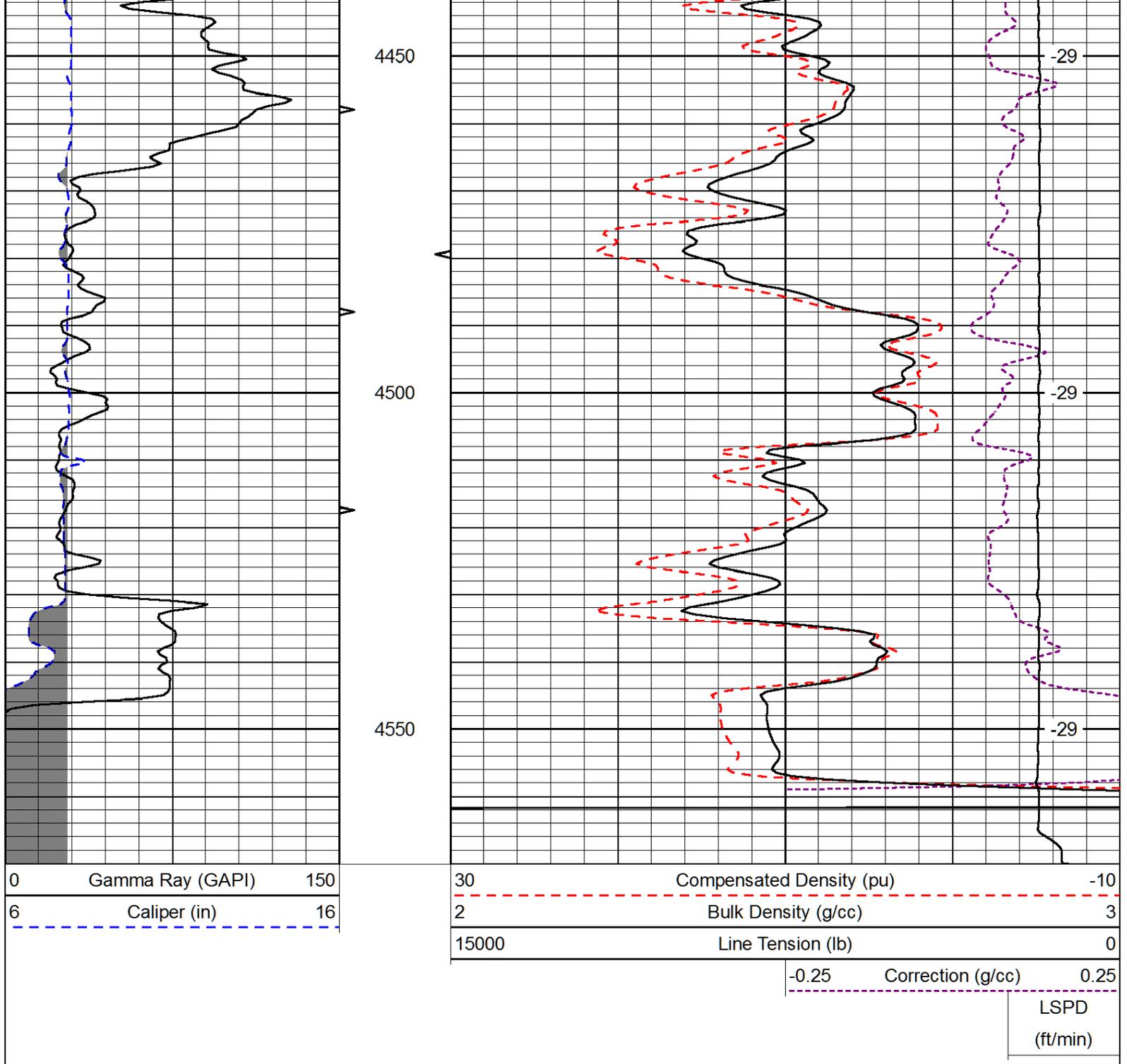| 0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

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

LSPD

(ft/min)

3600

-33

3650

3700

3750

3800

-33

-33

-33

-33

3850

3900

3950

4000

-33

-33

-31

-31

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

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

LSPD

(ft/min)