



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-153-20,975-00-00		
Company	Murfin Drilling Company, Inc.		
Well	Mary Ann No. 8-1		
Field	Scoda		
County	Rawlins		
State	Kansas		
Location	1470' FNL & 630' FWL		
Sec: 1	Twp: 1S	Rge: 36W	Other Services DIL MEI/BHCS
Permanent Datum	Ground Level	Elevation 3130	Elevation
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	K.B. 3141
Drilling Measured From	Kelly Bushing		D.F. G.L. 3130

Date	2/2/14		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4482		
Depth Logger	4485		
Bottom Logged Interval	4464		
Top Logged Interval	3200		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	1,000		
Density	8.9		
Level	Full		
Max. Rec. Temp. F	121		
Operating Rig Time	5 Hours		
Equipment -- Location	15 Hays		
Recorded By	J. Henrickson		
Witnessed By	Wes Hansen		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	265	8.625	23#	00	265
Two	7.875	265	TD				

<<< 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

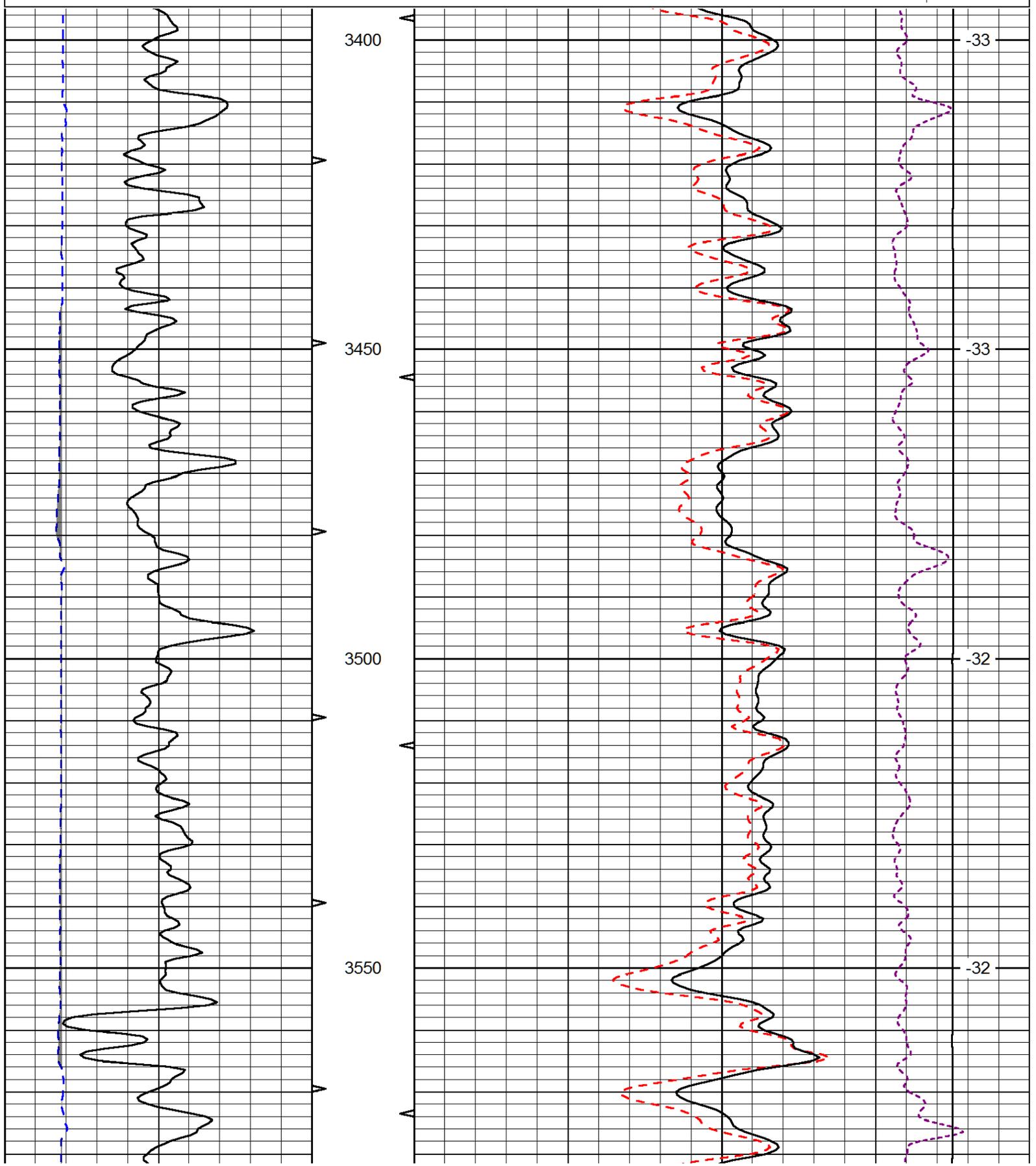
Thank you for using Log-Tech, Inc.
 (785) 625-3858

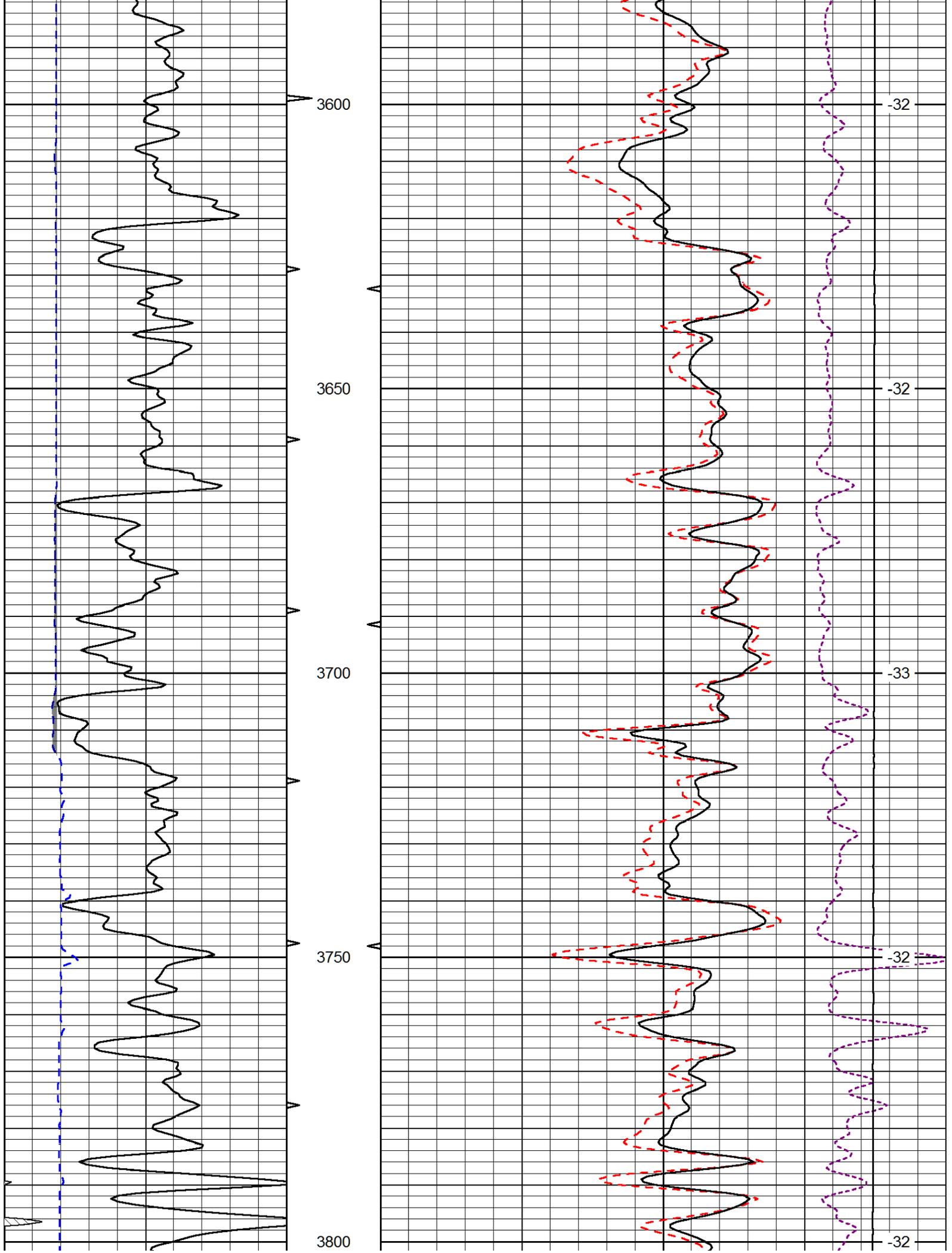
 Beardsley Kansas
 North to AA Rd, West to 7 Rd, 3 North, West Into
 (Follow Lease Rd West all the Way to the Rig through curves)

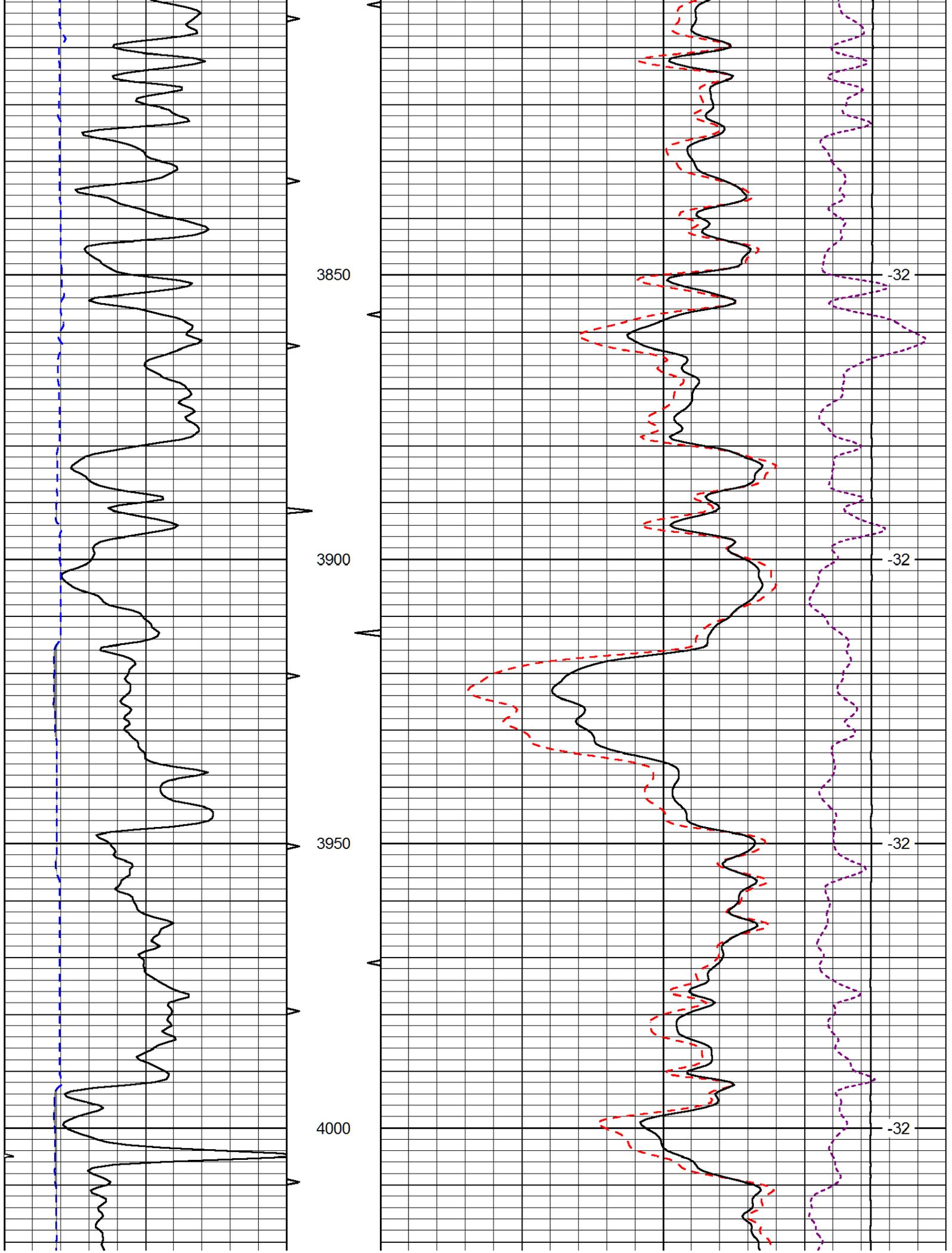
Database File: murfin_mary_ann_8_1hd.db
 Dataset Pathname: DIL/murfstk
 Presentation Format: cdl
 Dataset Creation: Mon Feb 03 01:10:53 2014
 Charted by: Depth in Feet scaled 1:240

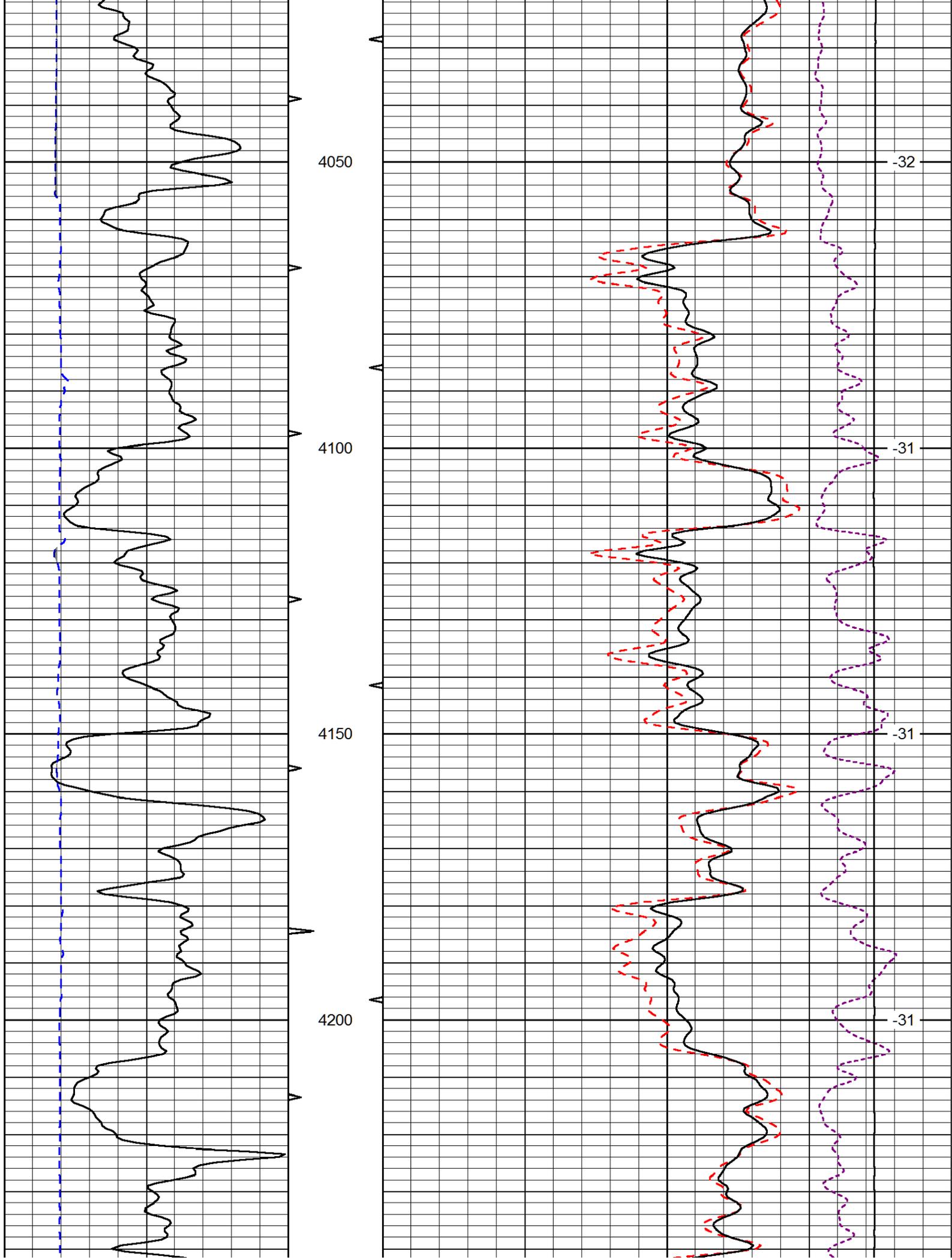
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

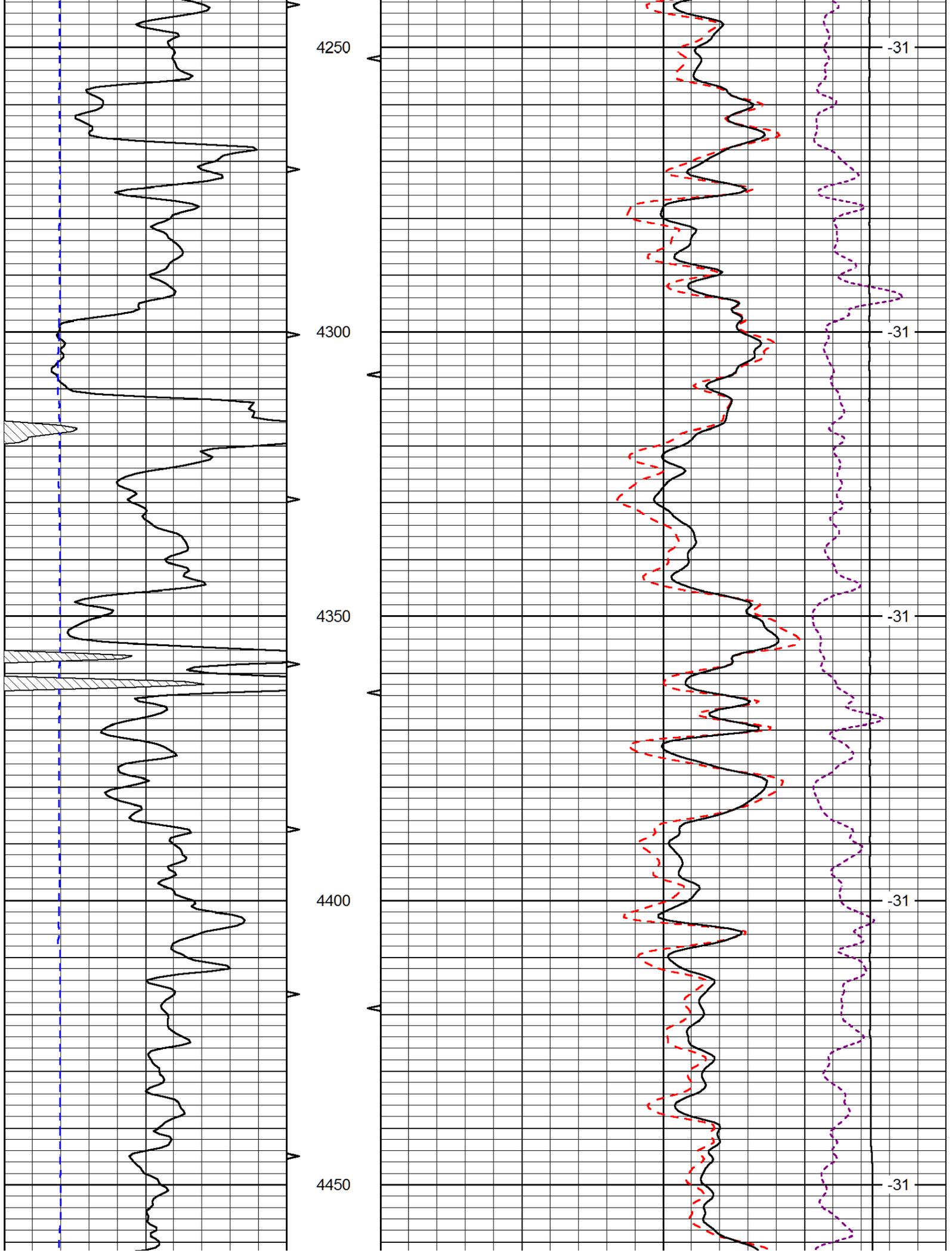
30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25
		LSPD (ft/min)

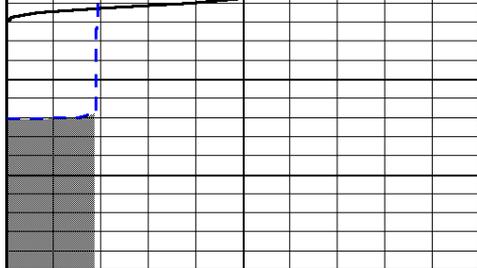












0	Gamma Ray (GAPI)	150
6	Caliper (in)	16



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

Database File: murfin_mary_ann_8_1hd.db
 Dataset Pathname: DIL/murfstk
 Presentation Format: cndlspec
 Dataset Creation: Mon Feb 03 01:10:53 2014
 Charted by: Depth in Feet scaled 1:240

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

30	CNPOR (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)

