



Pioneer Energy Services

## Dual Compensated Porosity Log

API No.	15-039-21,174-00-00		
Company	Murfin Drilling Company, Inc.		
Well	DCFY Unit No. 1 - 11		
Field	Wildcat		
County	Decatur		
State	Kansas		
Location	2450' FNL & 2150' FEL		
Sec: 11	Tw: 2 S	Rge: 29 W	Other Services DIL MEI/BHCS
Permanent Datum	Ground Level	Elevation 2714	Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 2719
Drilling Measured From	Kelly Bushing		D.F. G.L. 2714

Date	5/13/2013		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4025		
Depth Logger	4022		
Bottom Logged Interval	4001		
Top Logged Interval	3000		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	1800		
Density	9.2		
Level	Full		
Max. Rec. Temp. F	116		
Operating Rig Time	5 Hours		
Equipment -- Location	108 Hays		
Recorded By	D. Martin		
Witnessed By	Tom Funk		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	218	8.625	23#	00	218
Two	7.875	218	TD				

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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

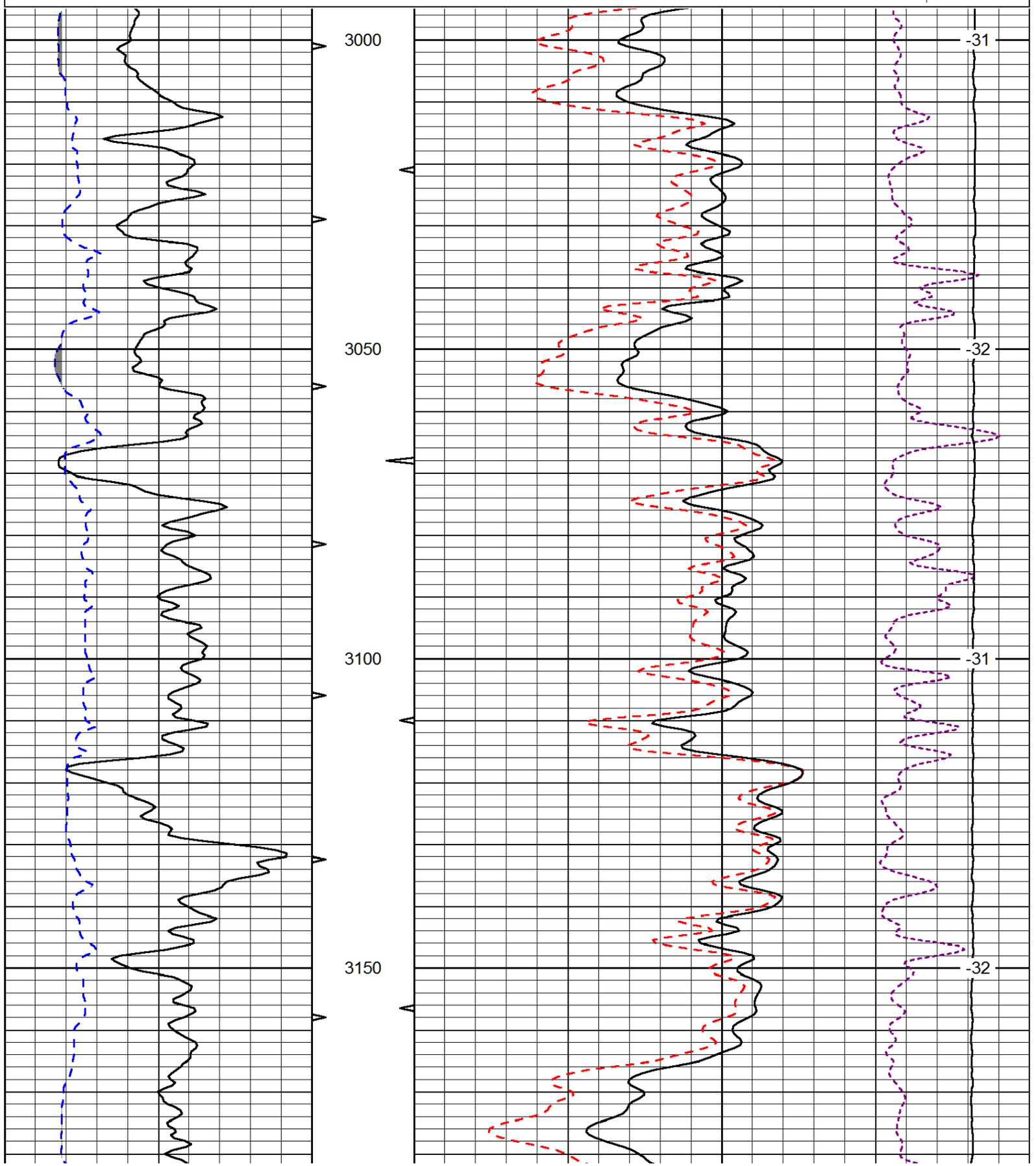
Thank you for using Log-Tech, Inc.  
(785) 625-3858

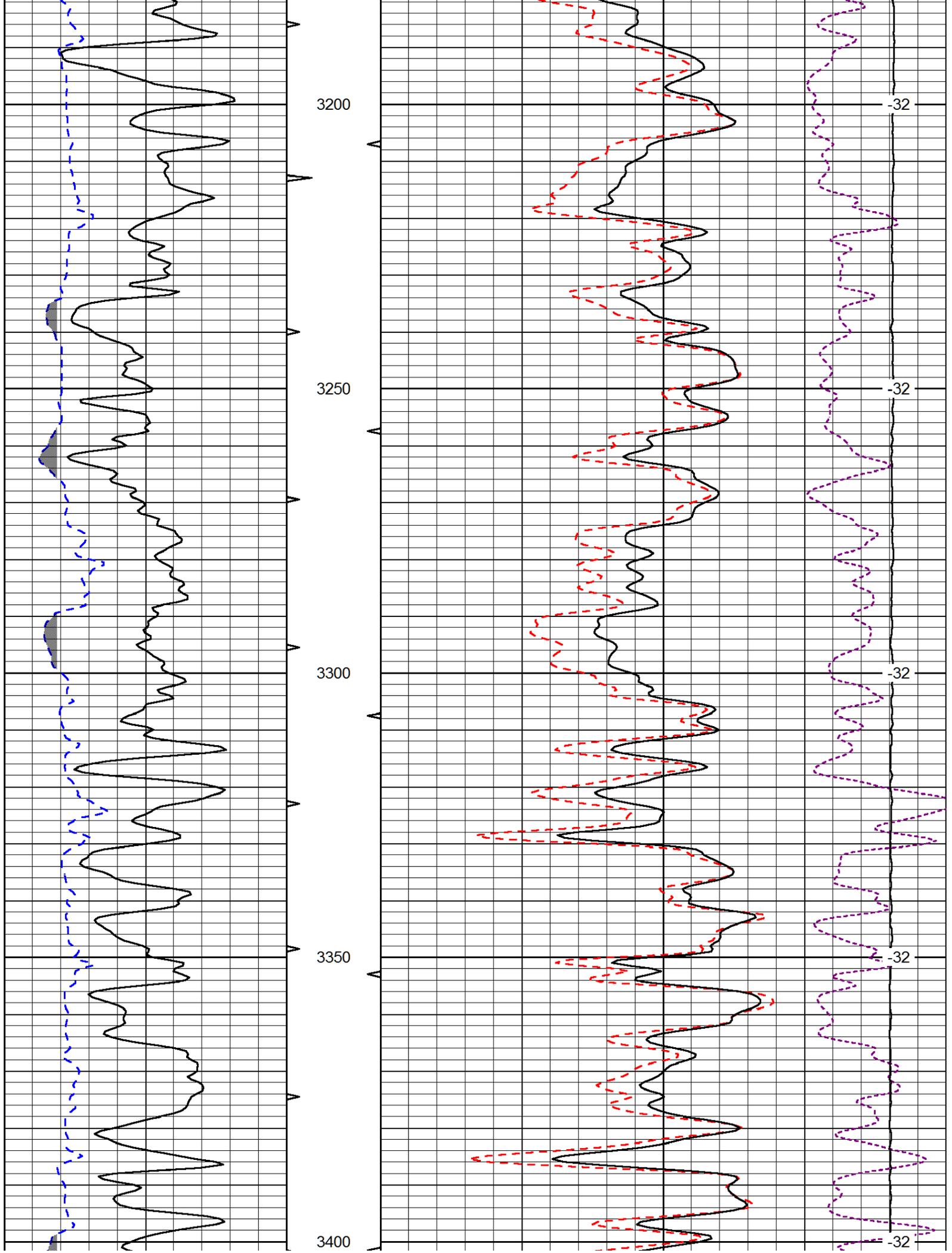
Oberlin, KS  
4 N to 4N Rd., 1/2 W, N Into

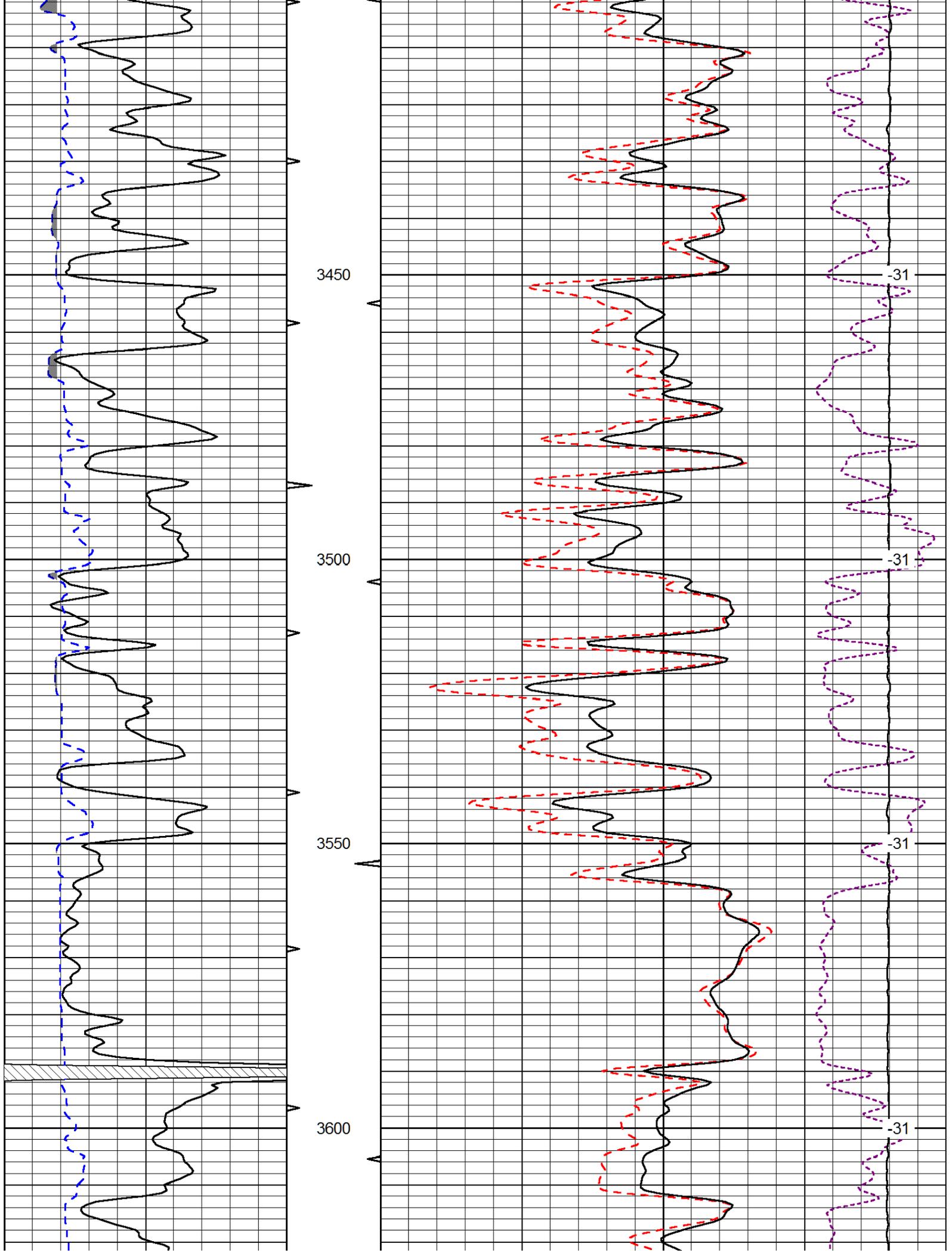
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 Presentation Format: cdl  
 Dataset Creation: Mon May 13 03:01:11 2013  
 Charted by: Depth in Feet scaled 1:240

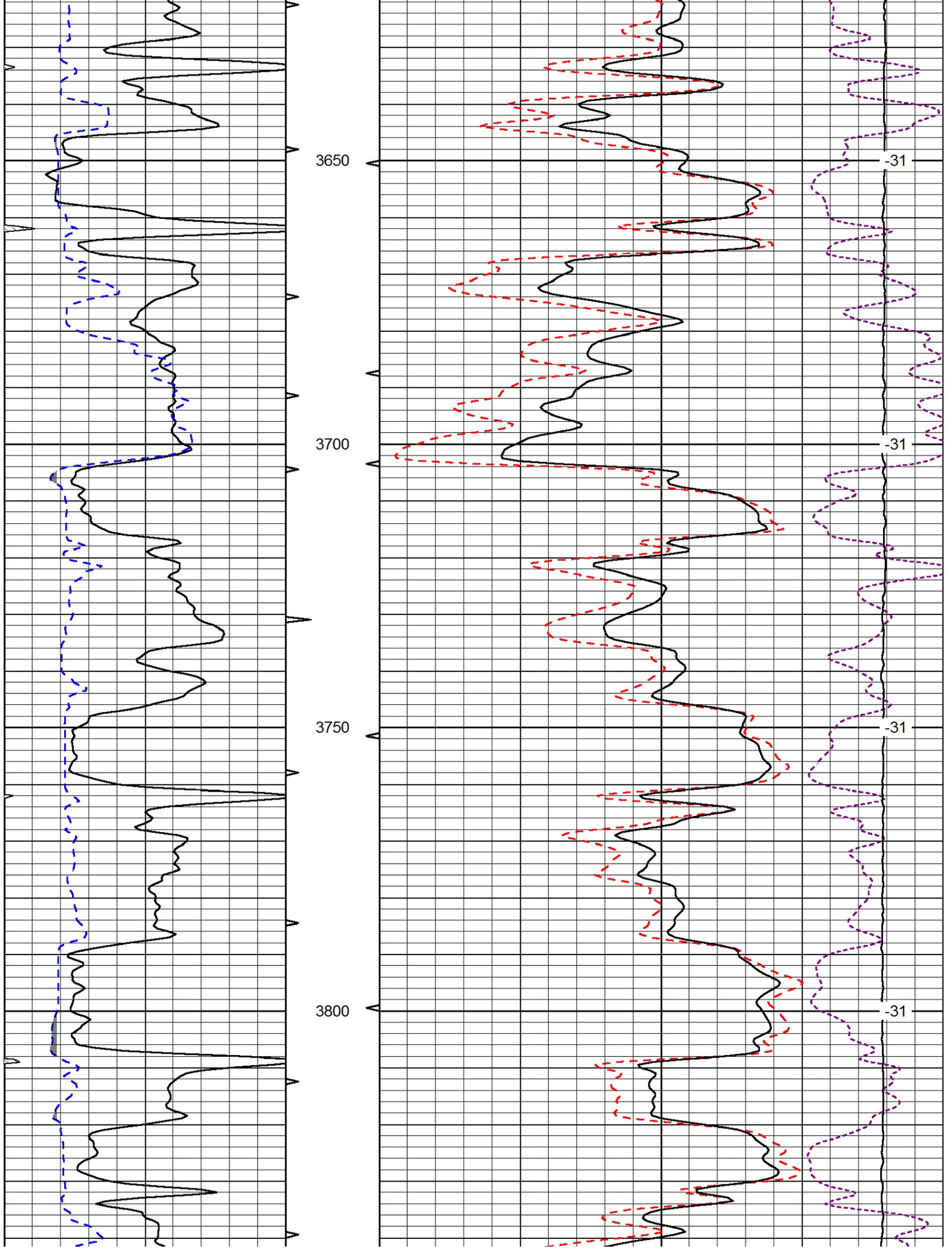
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

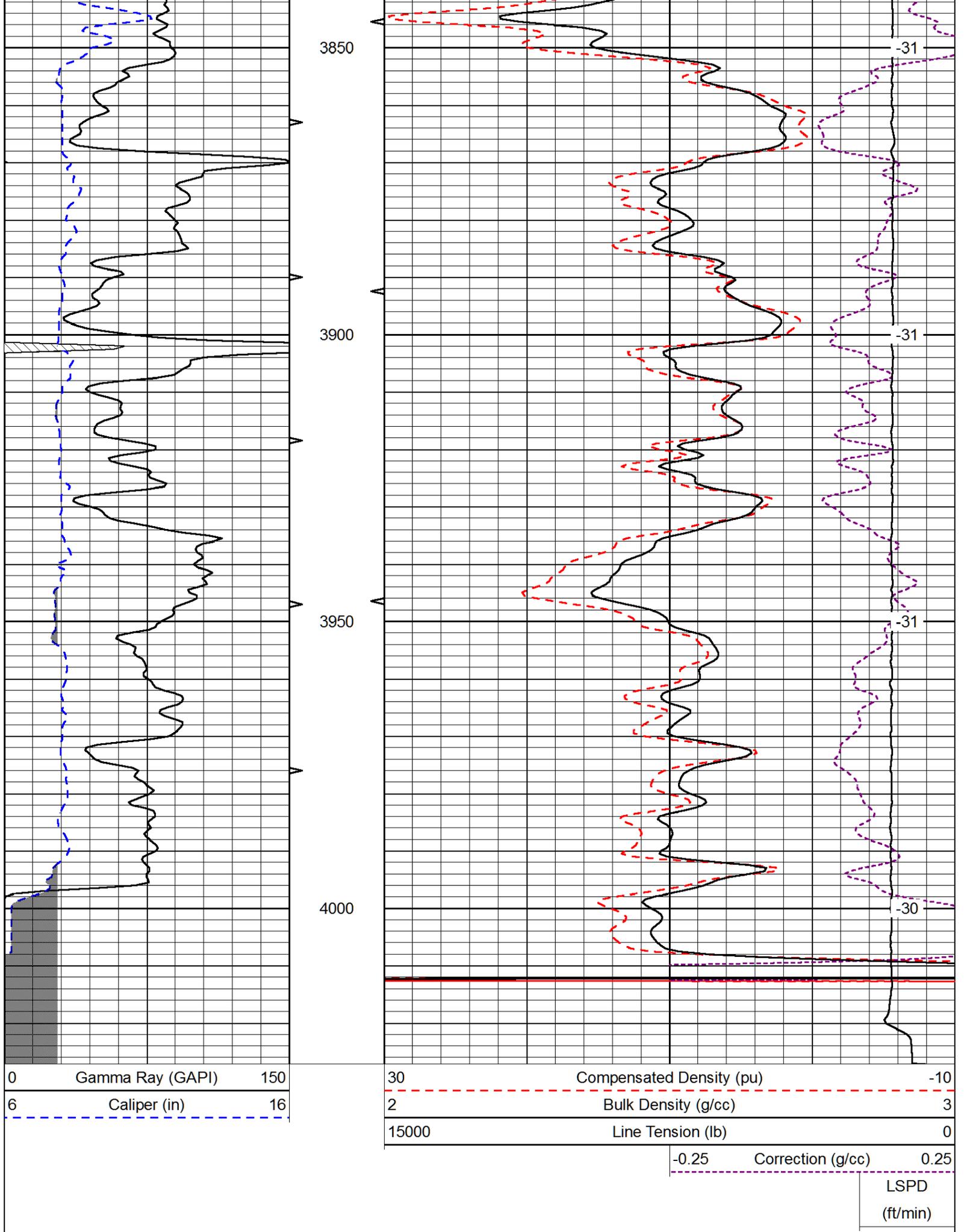
30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25
		LSPD (ft/min)









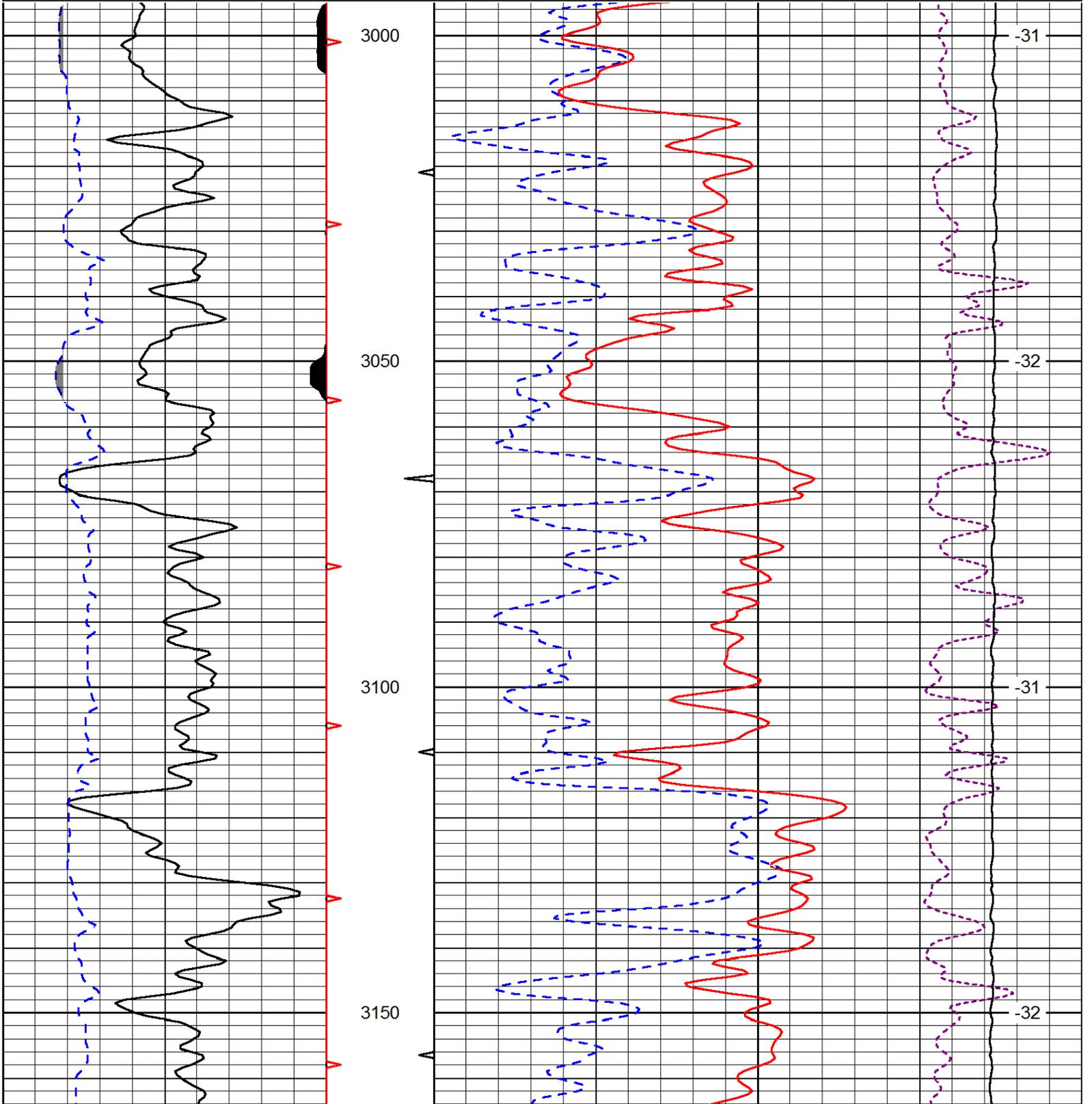


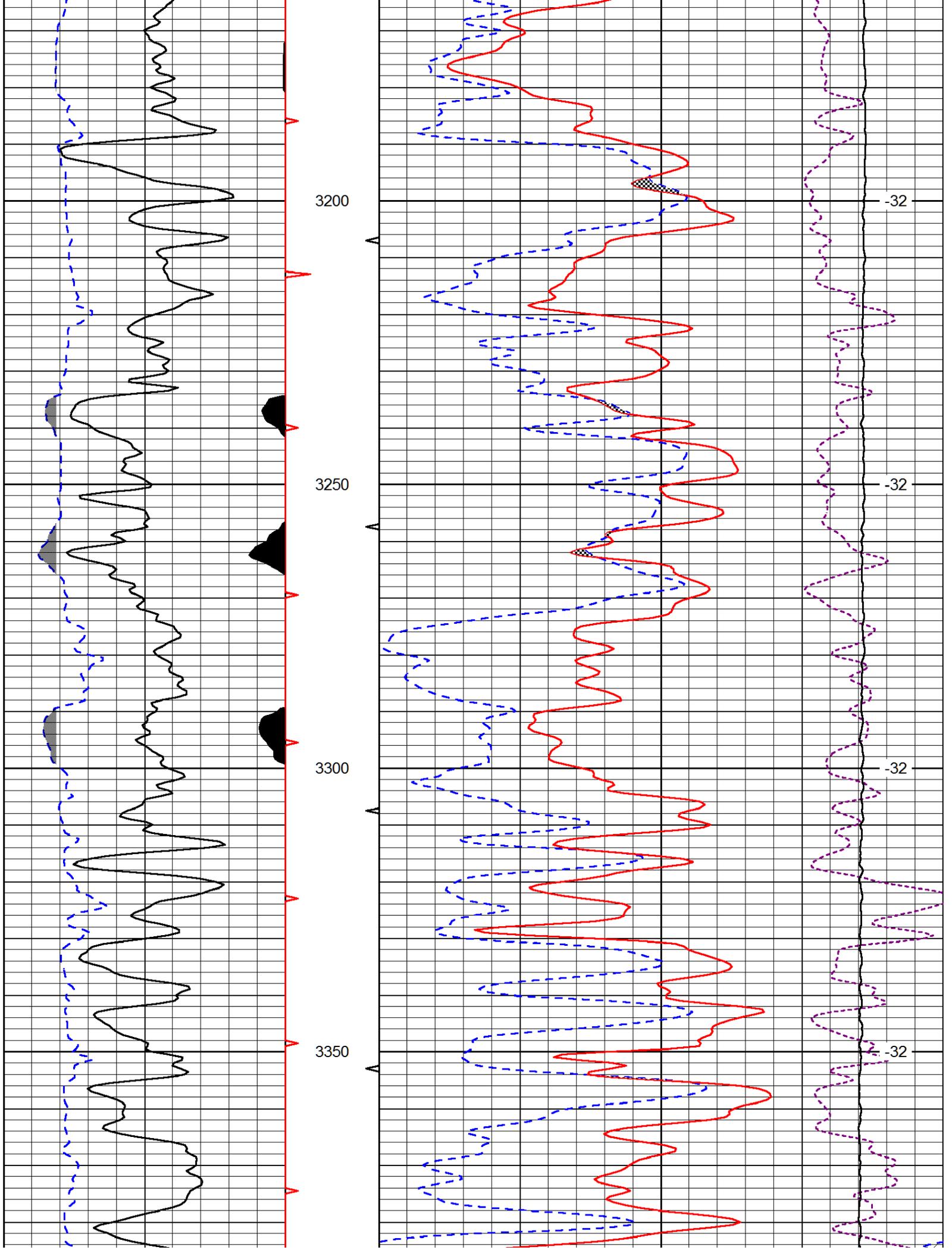
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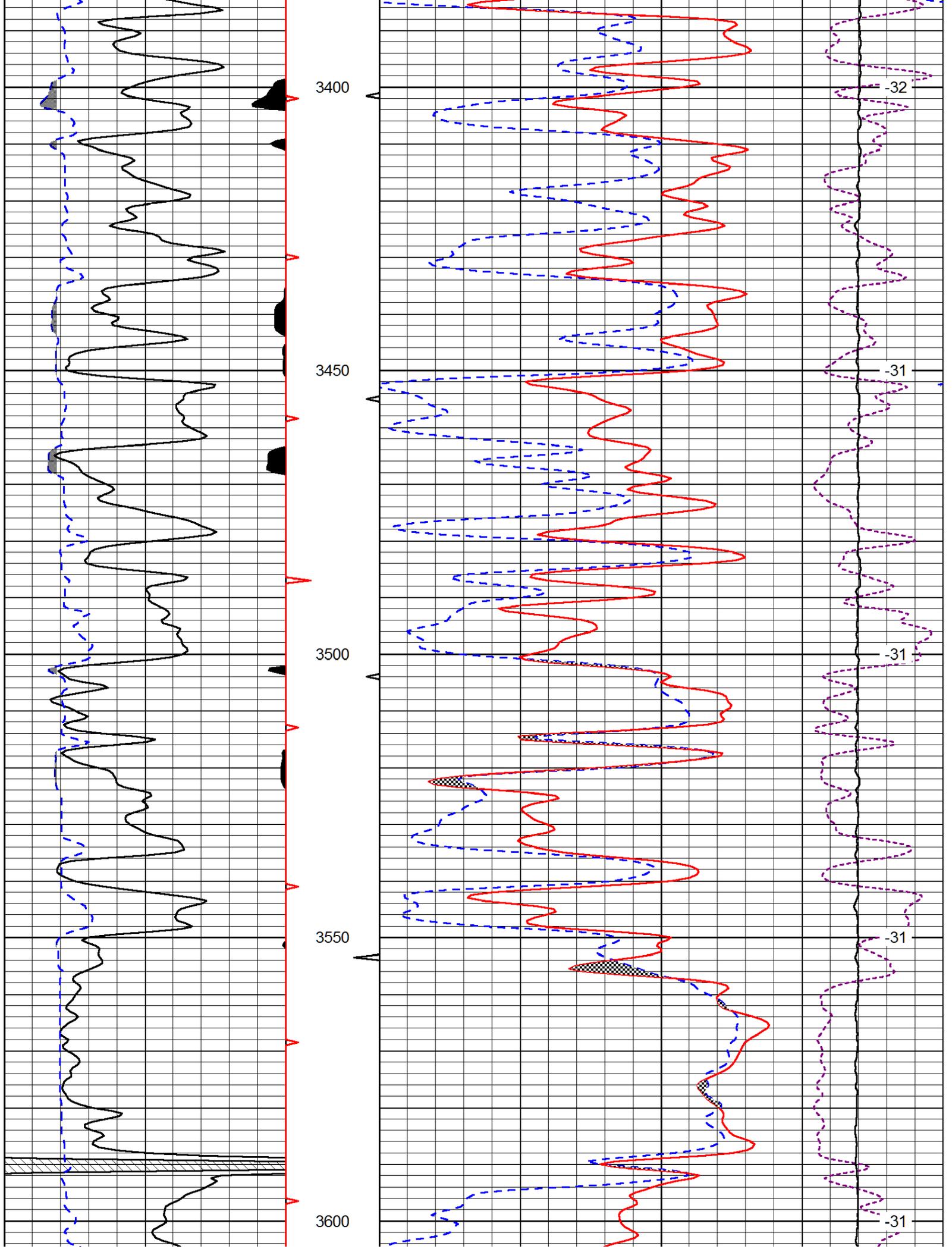
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

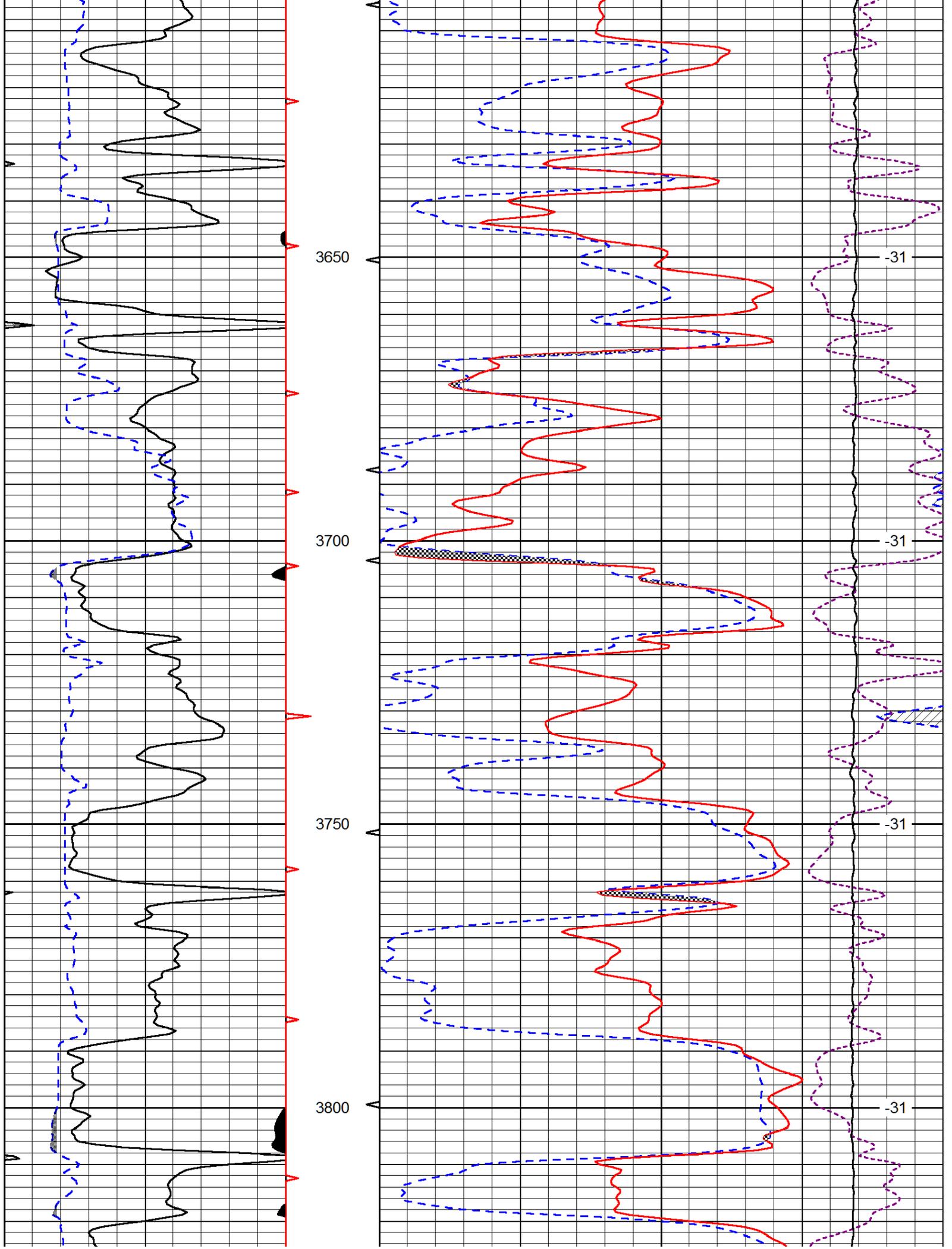
30	CNLS (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10
10000	Line Tension (lb)	0

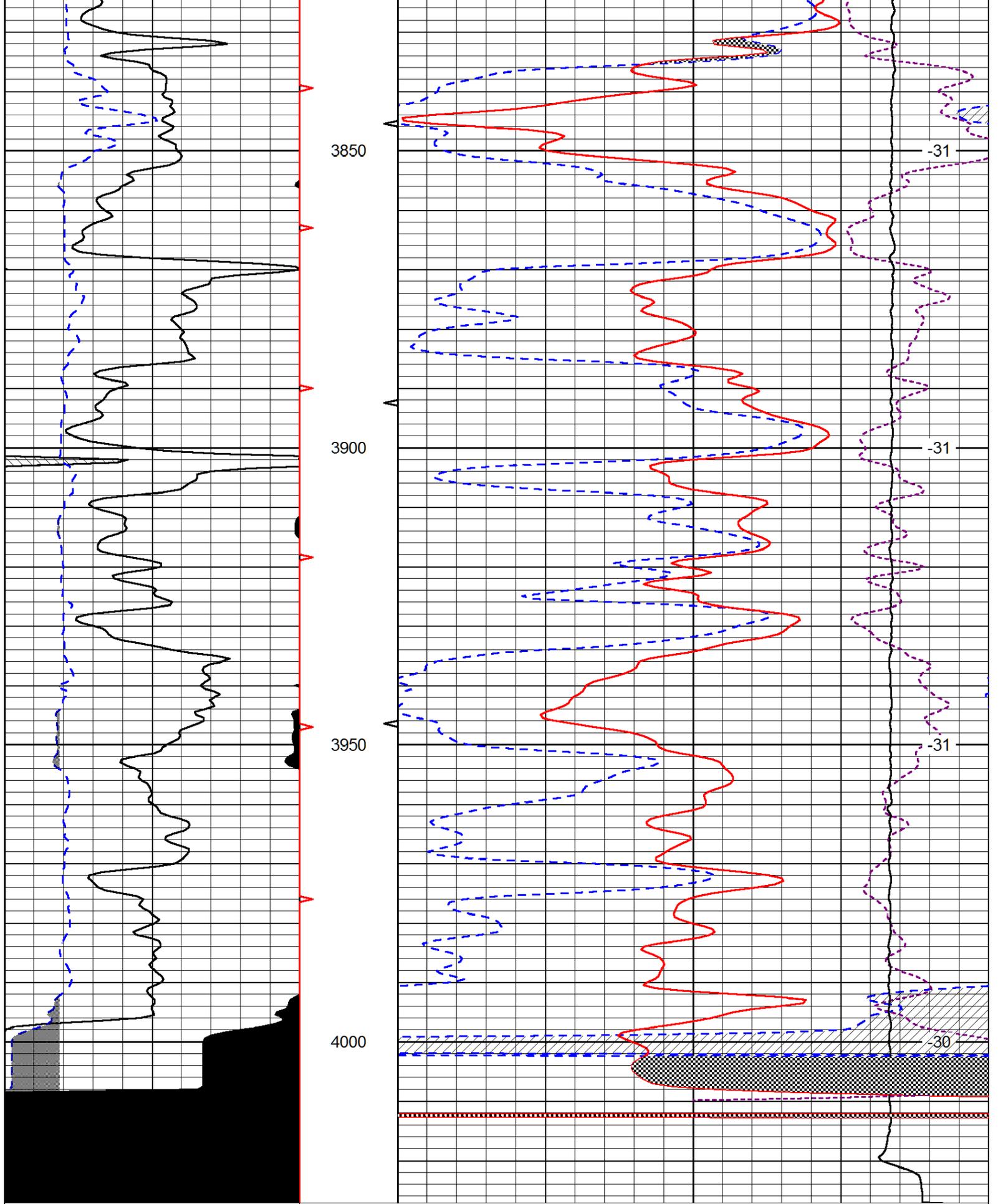
-0.25	Correction (g/cc)	0.25
		LSPD (ft/min)











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 (a/cc)	0.25

LSPD  
(ft/min)