



Pioneer Energy Services

Dual Compensated Porosity Log

Company American Warrior, Inc.
Well White #5-8
Field Stoltenberg
County Ellsworth **State** Kansas
Location NW NE SE NW
 1490' FNL / 2259' FWL
Sec: 8 **Twp:** 16S **Rge:** 10W
Other Services
 DIL
 MEL / BHCS

Permanent Datum Ground Level Elevation 1848
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing
Date 11/23/2013
Elevation
 K.B. 1856
 D.F. 1848
 G.L. 1848

Run Number	One
Type Log	CNL / CDL
Depth Driller	3600
Depth Logger	3607
Bottom Logged Interval	3586
Top Logged Interval	2750
Type Fluid In Hole	Chemical
Salinity, PPM CL	6500
Density	9.3
Level	Full
Max. Rec. Temp. F	112
Operating Rig Time	4 Hours
Equipment -- Location	17 Hays
Recorded By	R. Barnhart
Witnessed By	Clint Musgrove

Borehole Record		Casing Record	
Run No.	Bit From To	Size	Wgt. From To
One	12.25 00 374	8.625	23# 00 374
Two	7.875 374		

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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

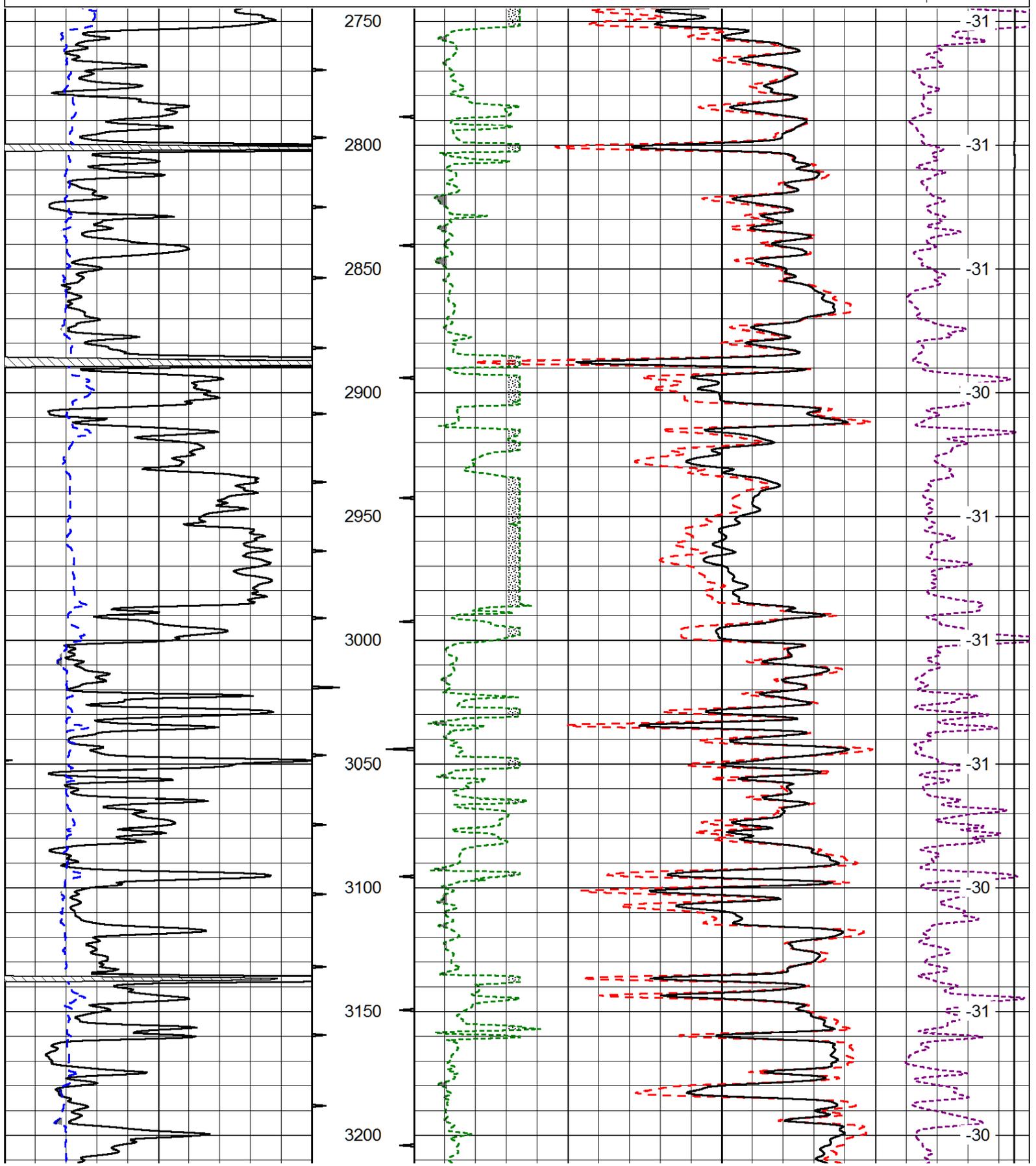
Thank you for using Log-Tech, Inc.
 (785) 625-3858

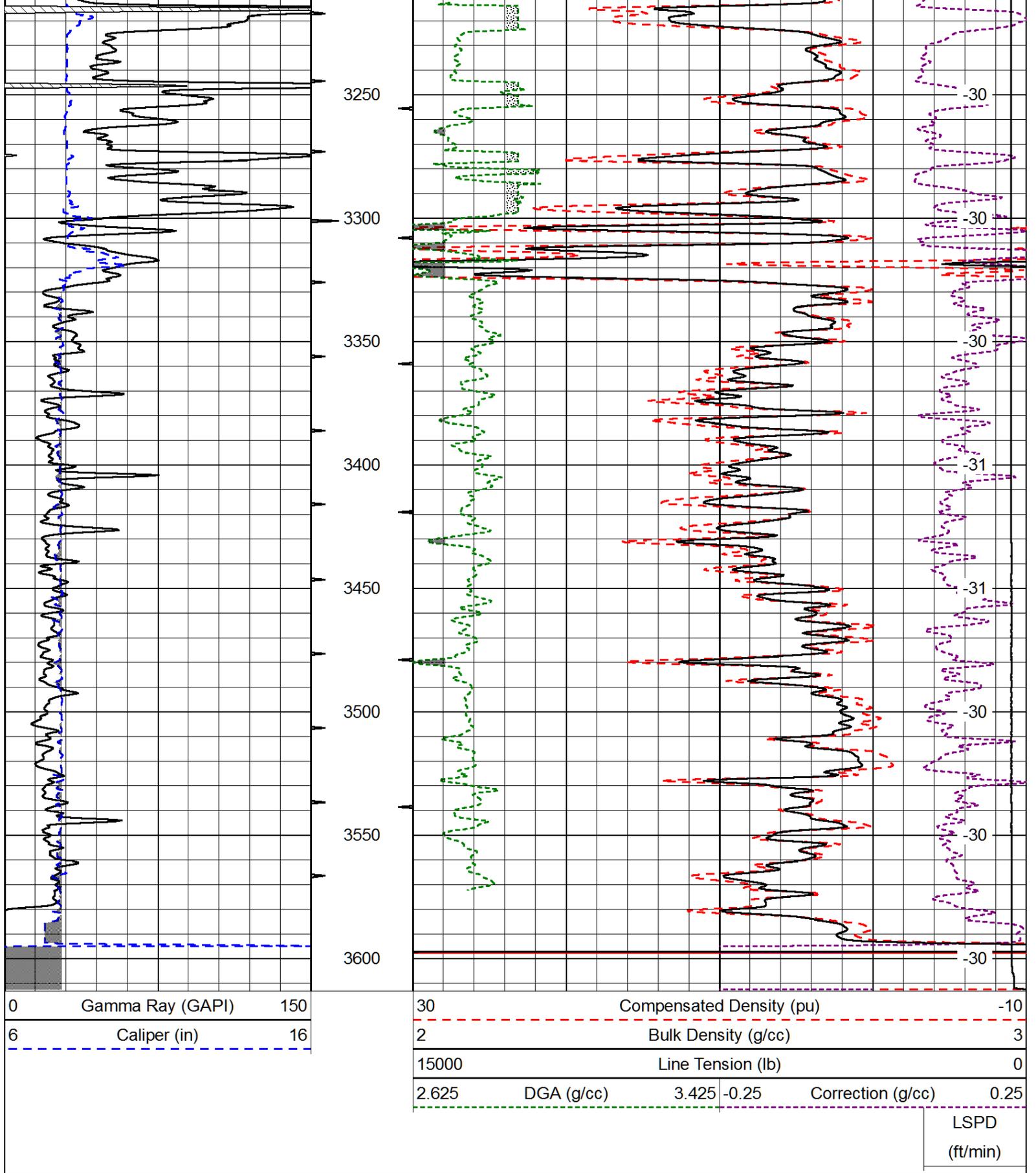
 Wilson, KS:
 10S, 1 1/2E, S into

Database File: amwar_hd.db
 Dataset Pathname: dil/amwmain
 Presentation Format: cdl
 Dataset Creation: Sat Nov 23 00:56:03 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)					





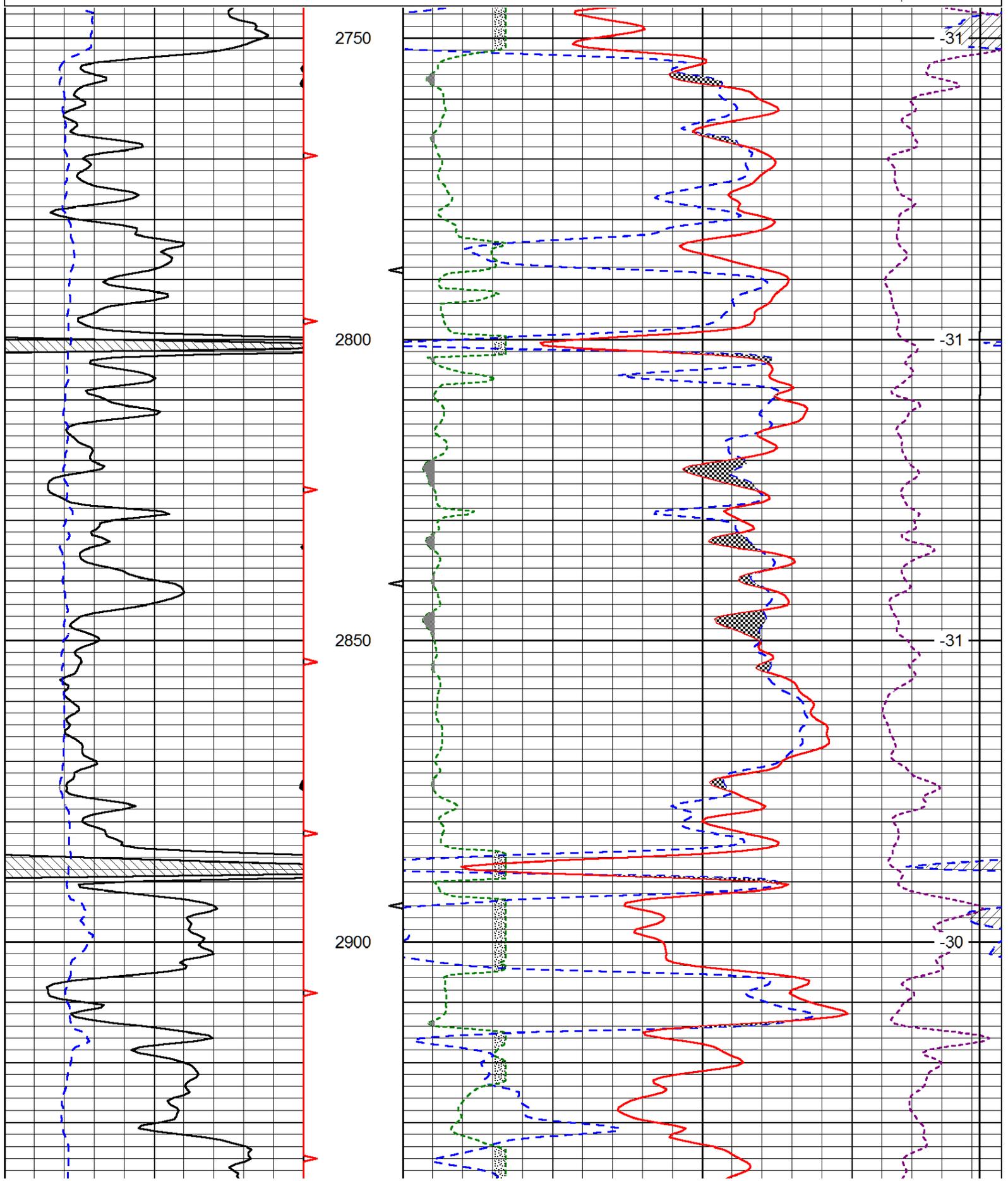
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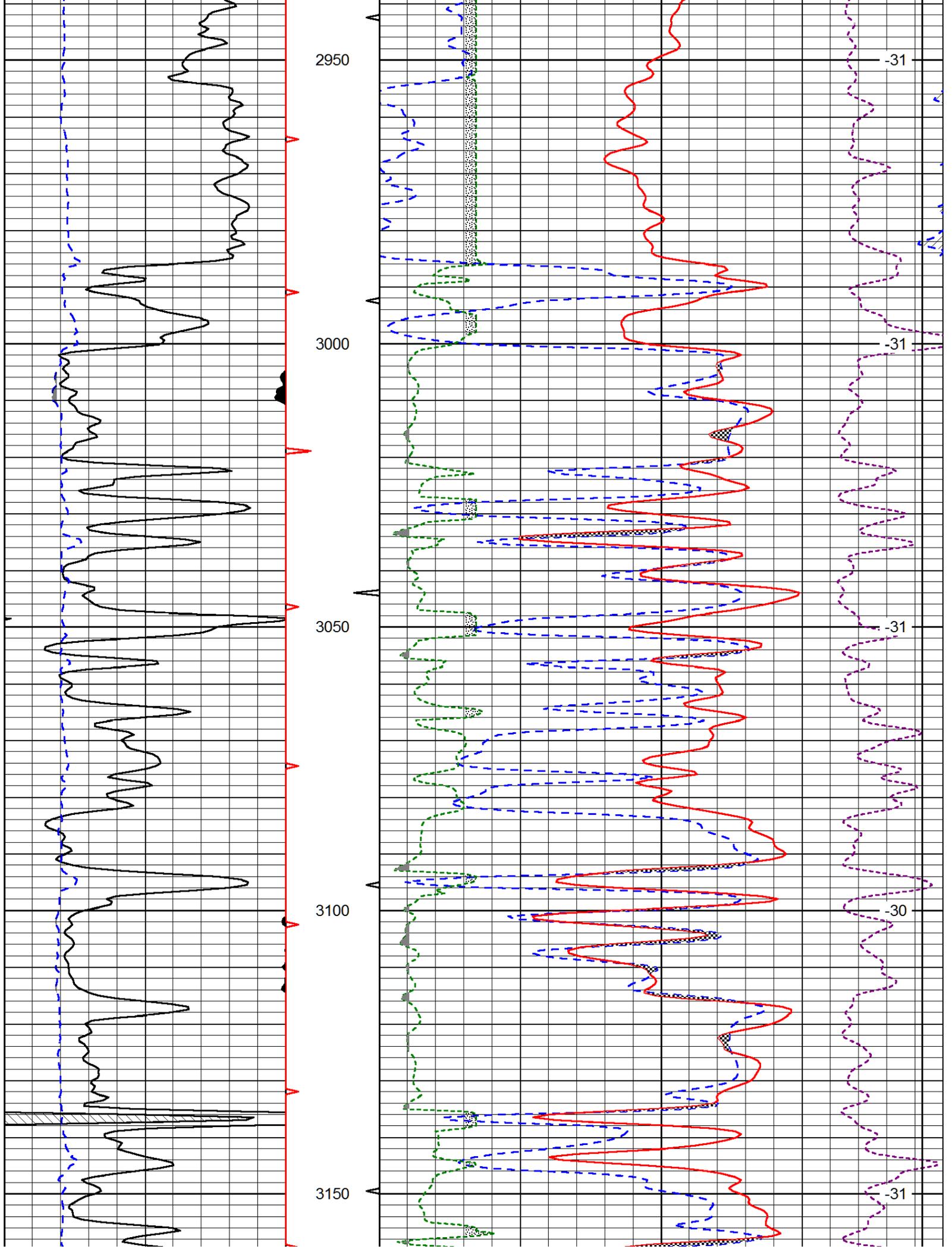


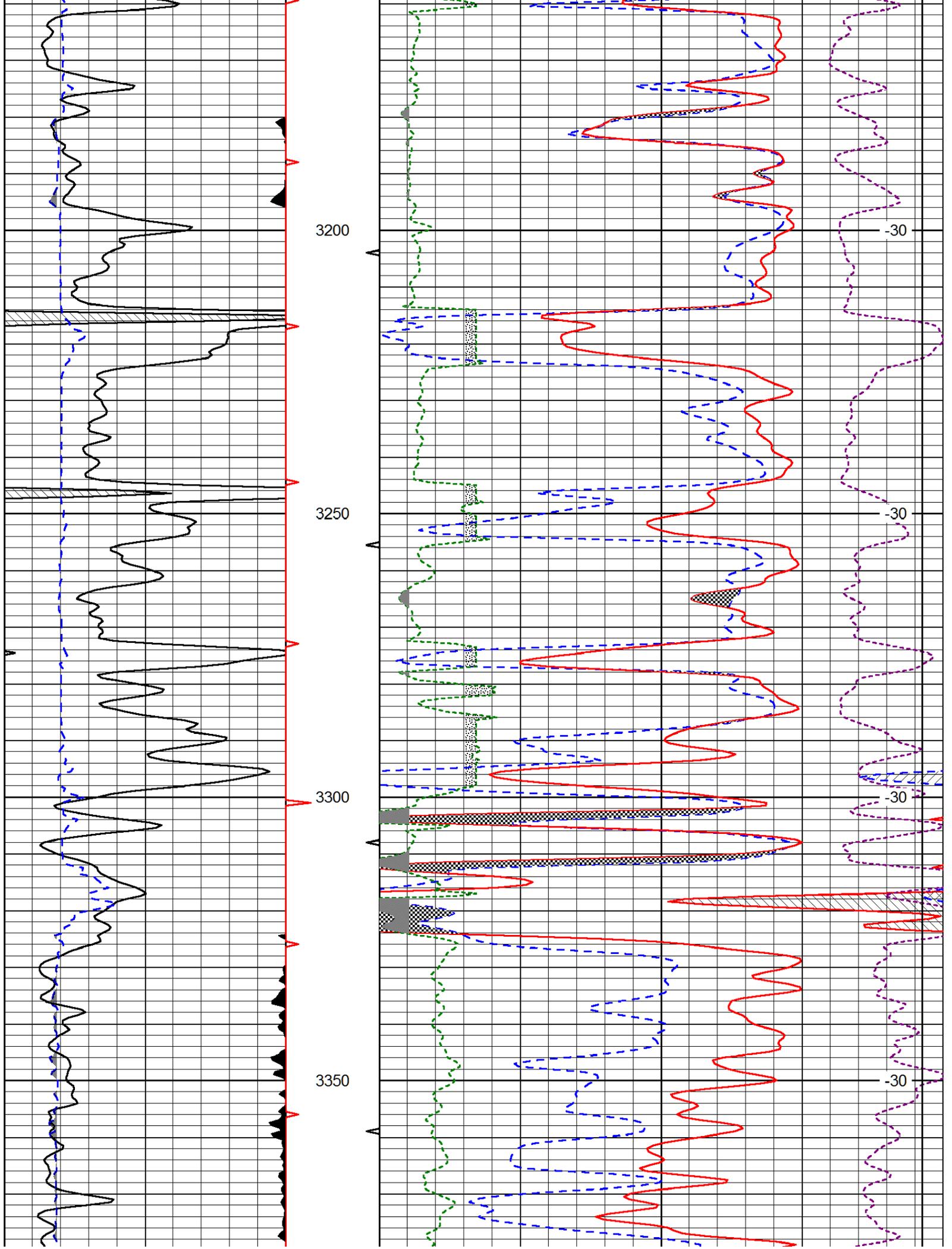
6 Caliper (in) 16

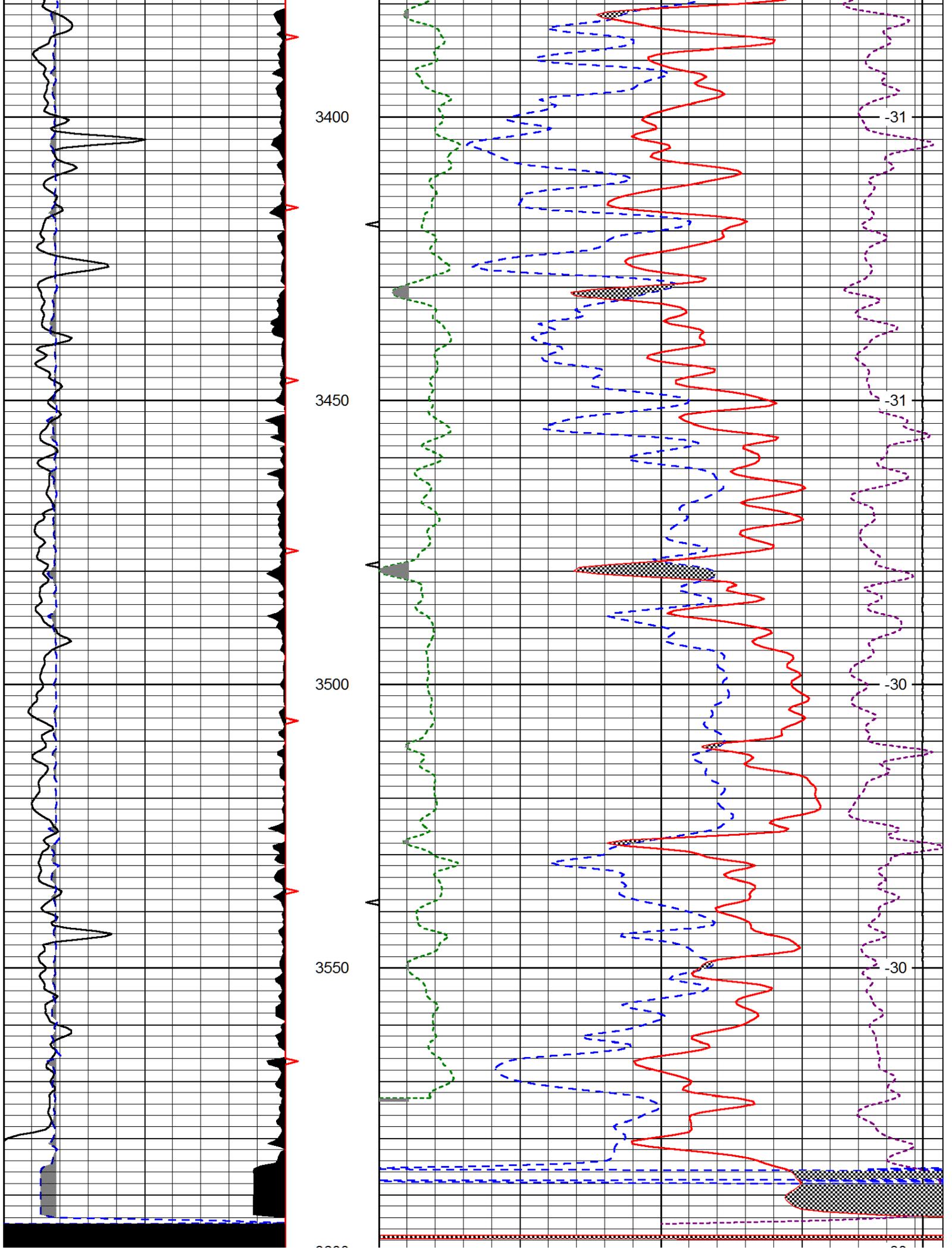
30	Compensated Density (2.71 ma) (pu)			-10	
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)			0	

LSPD
(ft/min)









3600

-30

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)