



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-159-22,739-00-00

Company American Warrior, Inc.
Well Buckley-Doll No.2-18 restake
Field Chase-Silica
County Rice State Kansas

Location SE SE SW NW
2635' FNL & 1187' FWL

Other Services
DIL/MEI

Sec: 18 Twp: 19S Rge: 9W

Permanent Datum Ground Level Elevation 1740
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1748
D.F. 1740
G.L. 1740

Date

5/22/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

3400

Depth Logger

3402

Bottom Logged Interval

3381

Top Logged Interval

2600

Type Fluid In Hole

Chemical

Salinity, PPM CL

5.100

Density

345

Level

Full

Max. Rec. Temp. F

110

Operating Rig Time

4 Hours

Equipment -- Location

17 Days

Recorded By

C. Desaire

Witnessed By

Kurt Talbott

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

345

8.625

23#

00

345

Two

7.875

345

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

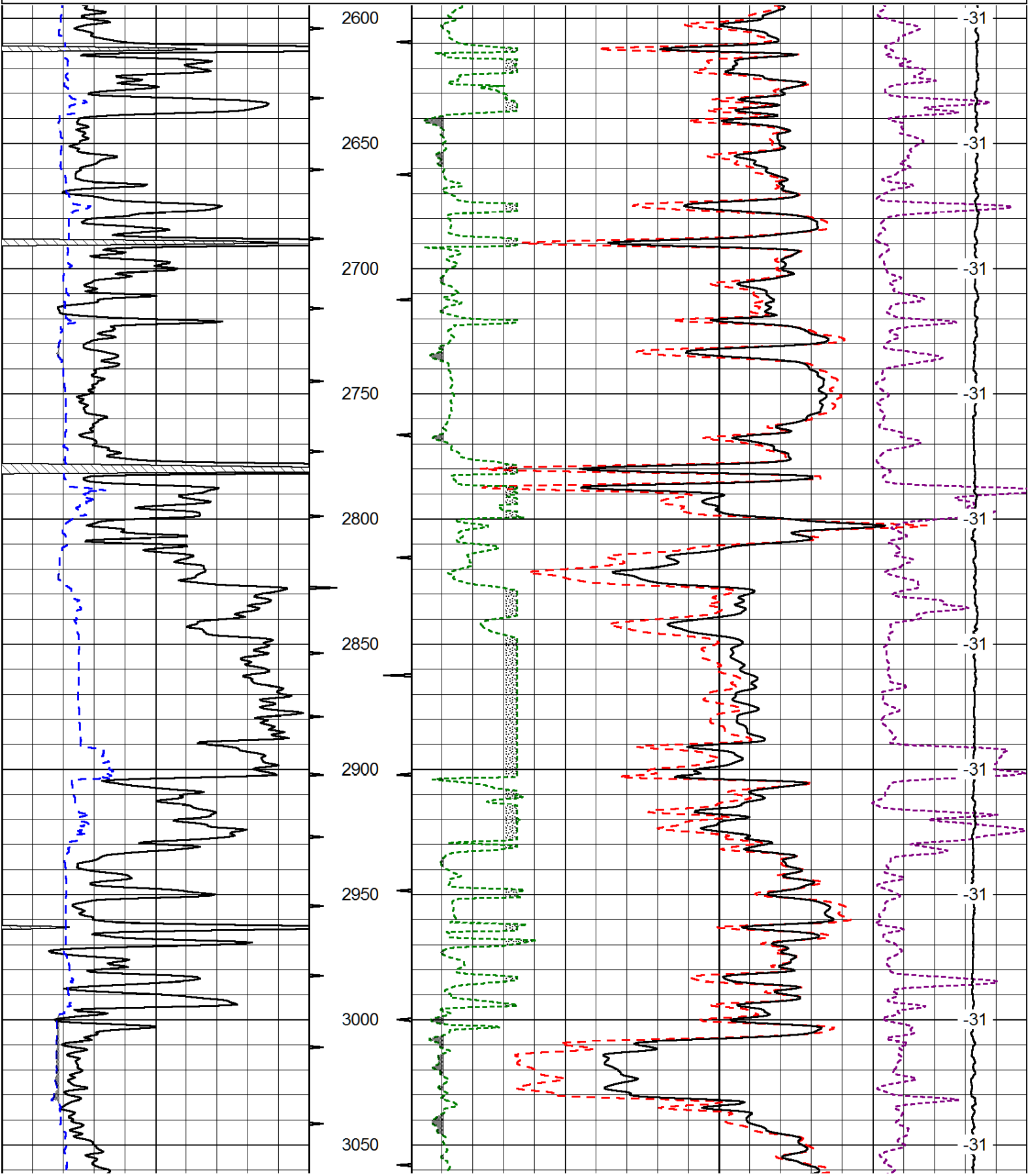
Thank you for using Log-Tech, Inc.
(785) 625-3858

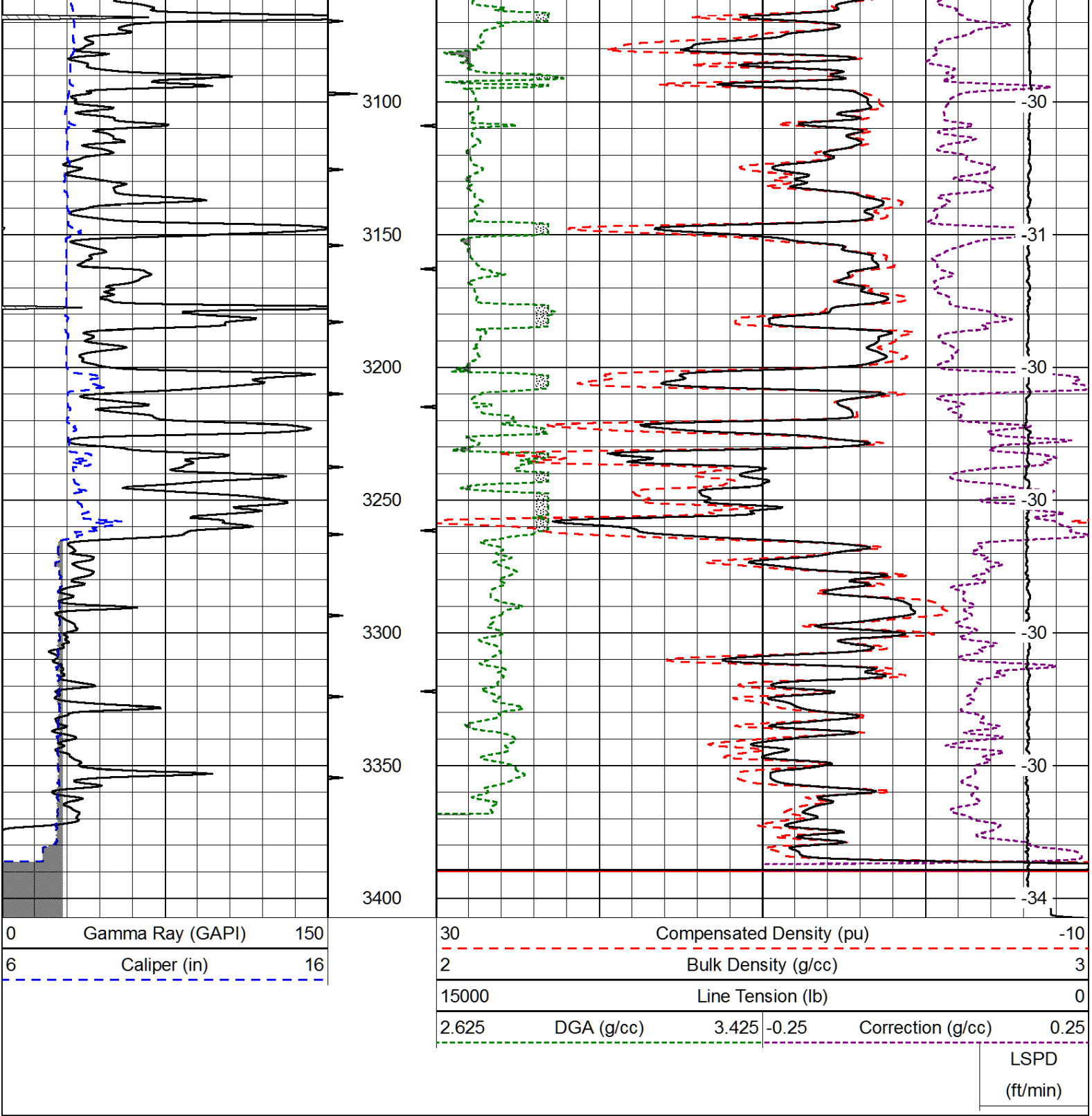
Chase KS, 2 N,
1 W, 5/8 N, E Into at Tank Batt

Database File: awhd.db
Dataset Pathname: dil/awstk
Presentation Format: cdl
Dataset Creation: Thu May 23 00:36:17 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)



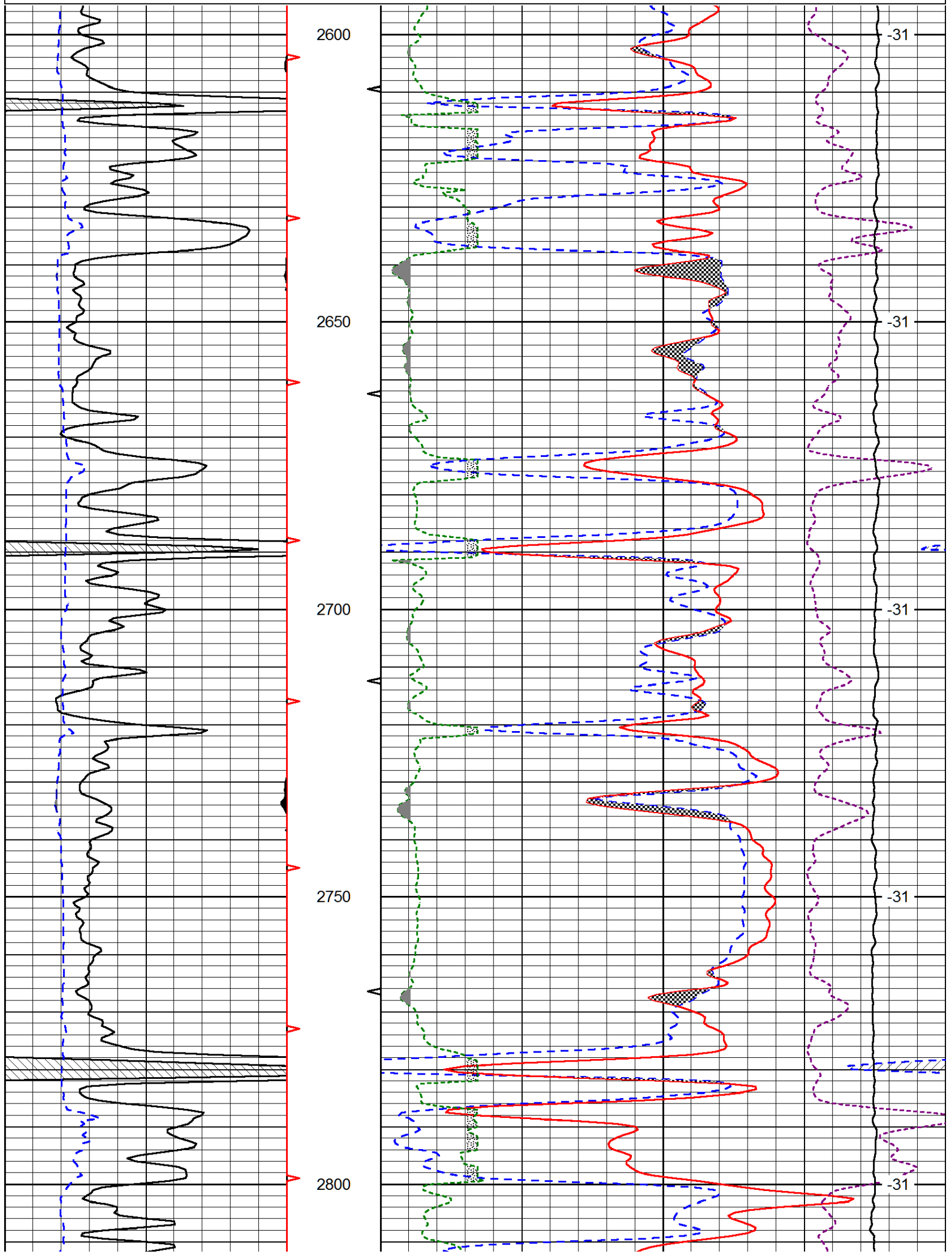


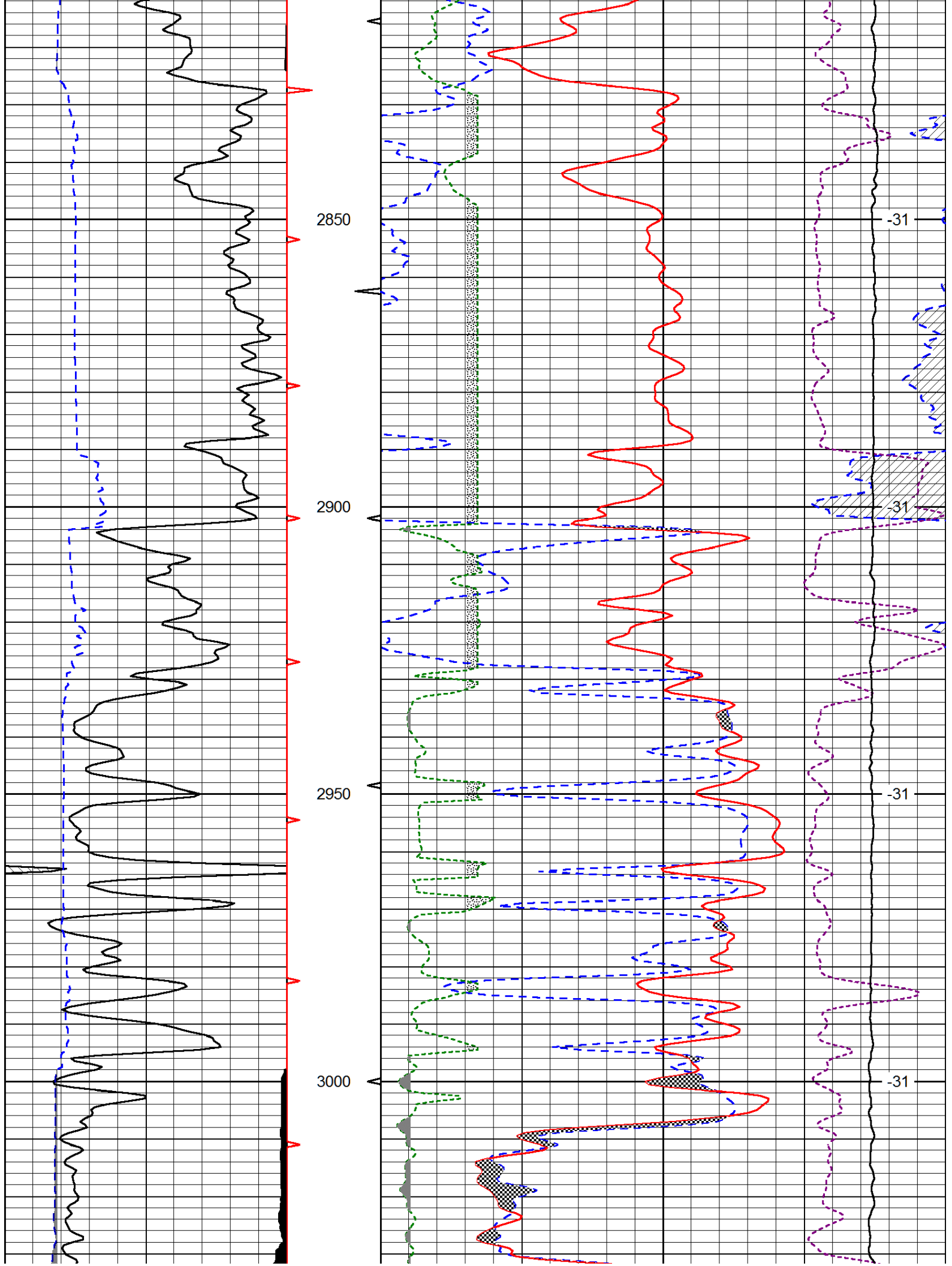
Database File: awhd.db	
Dataset Pathname: dil/awstk	
Presentation Format: cndlspec	
Dataset Creation: Thu May 23 00:36:17 2013	
Charted by: Depth in Feet scaled 1:240	

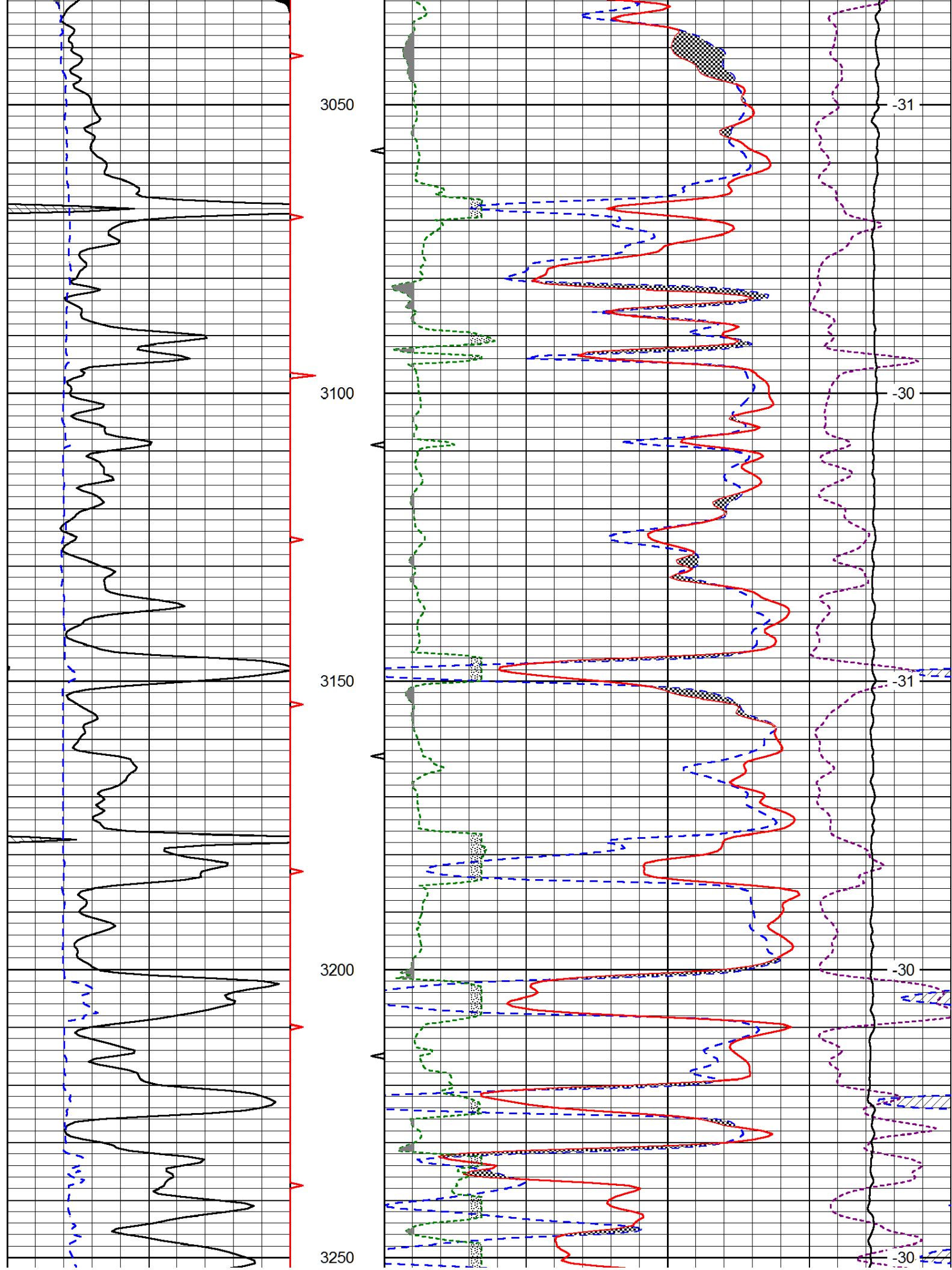
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

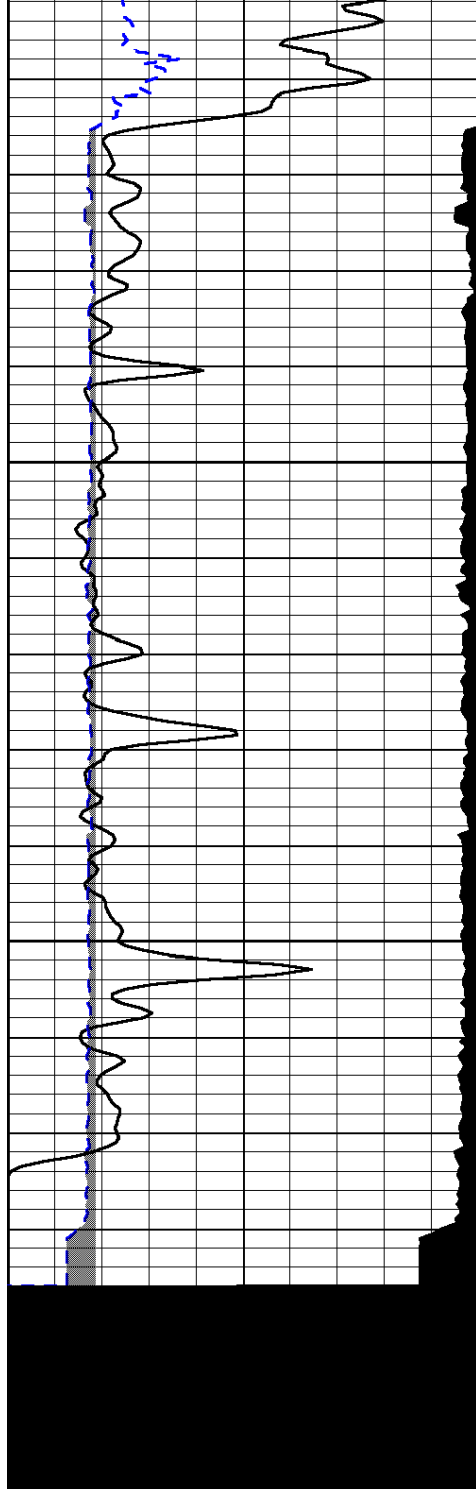
30	CNLS (pu)		-10		
30	Compensated Density (2.71 ma) (pu)		-10		
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)		0		

LSPD
(ft/min)

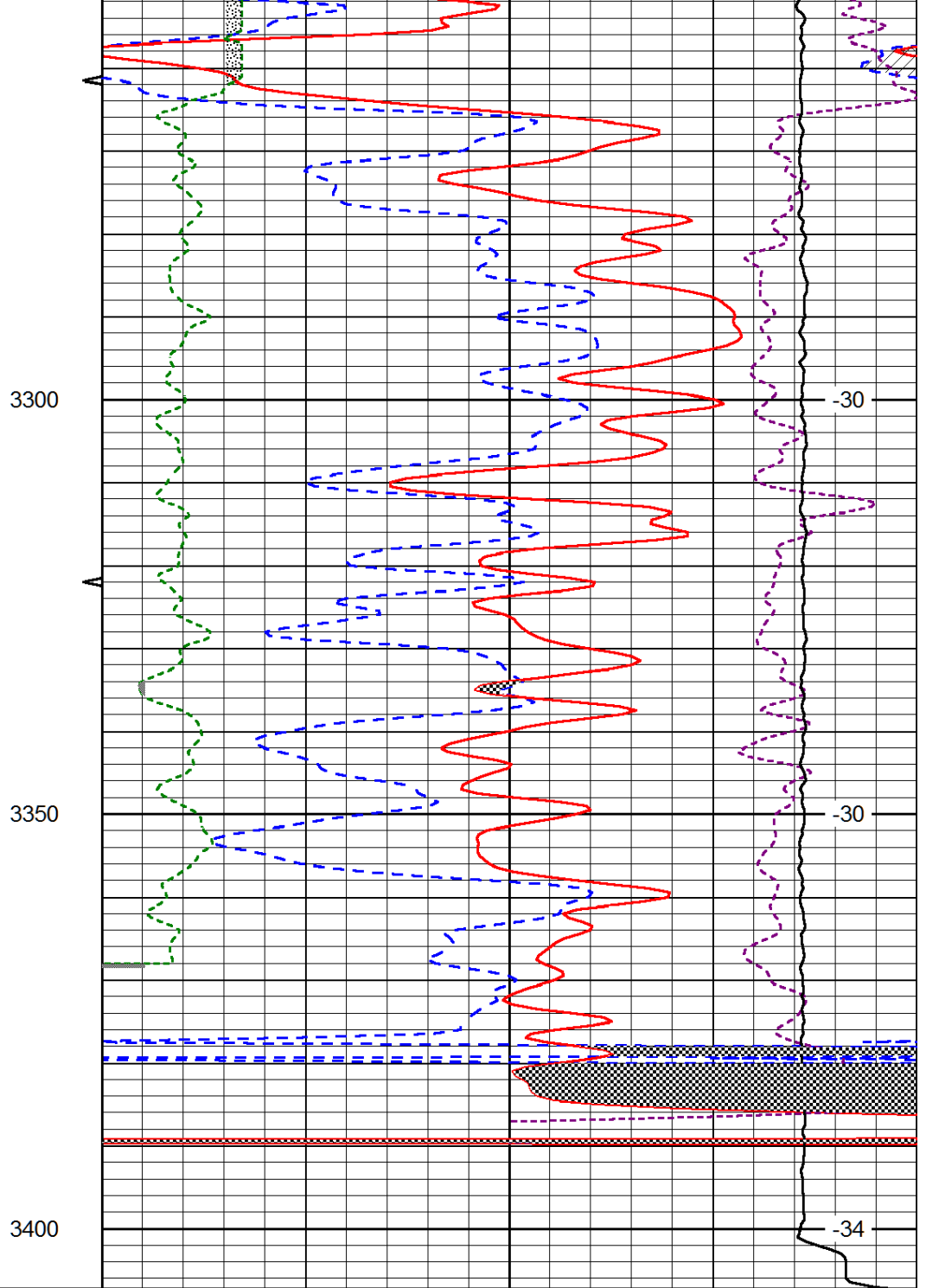








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6	Caliper (in)	16



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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)