



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-083-21879-00-00

Company American Warrior, Inc.

Well Cure-Ruff #1-9

Field Wildcat

County Hodgeman

State Kansas

Location 128' FSL / 2226' FWL

Other Services
DIL
MEL / BHCS

Sec: 9 Twp: 22S Rge: 21W

Permanent Datum Ground Level Elevation 2148
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2159
D.F.
G.L. 2148

Date 2/16/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4500

Depth Logger 4498

Bottom Logged Interval 4477

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 6200

Density 9.2

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 4 Hours

Equipment -- Location 15 Days

Recorded By R. Barnhart

Witnessed By Kevin Timson

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One 12.25

00

1020

8.625

23#

00

1020

Two 7.875

1020

TD

<<< Fold Here >>>

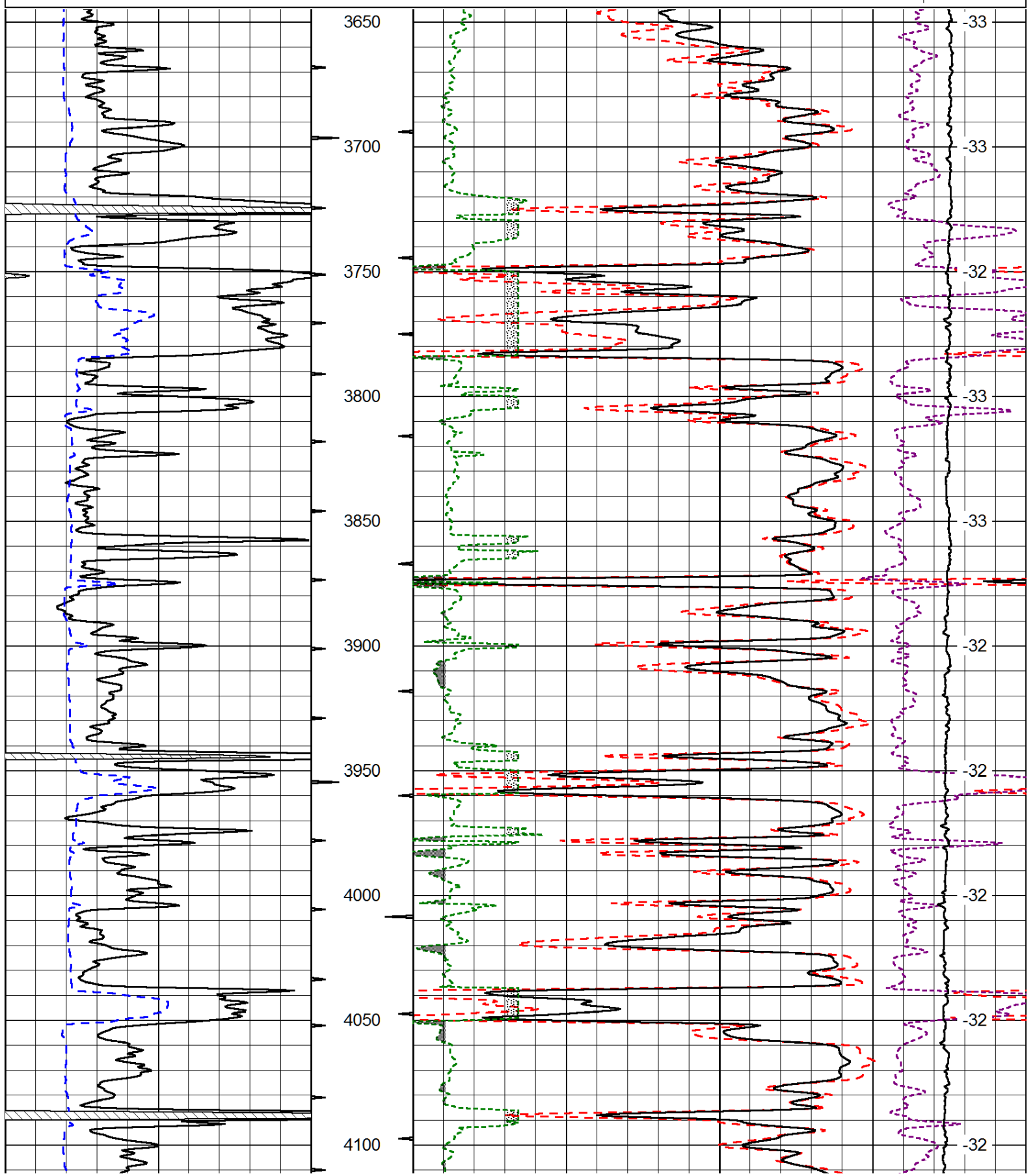
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

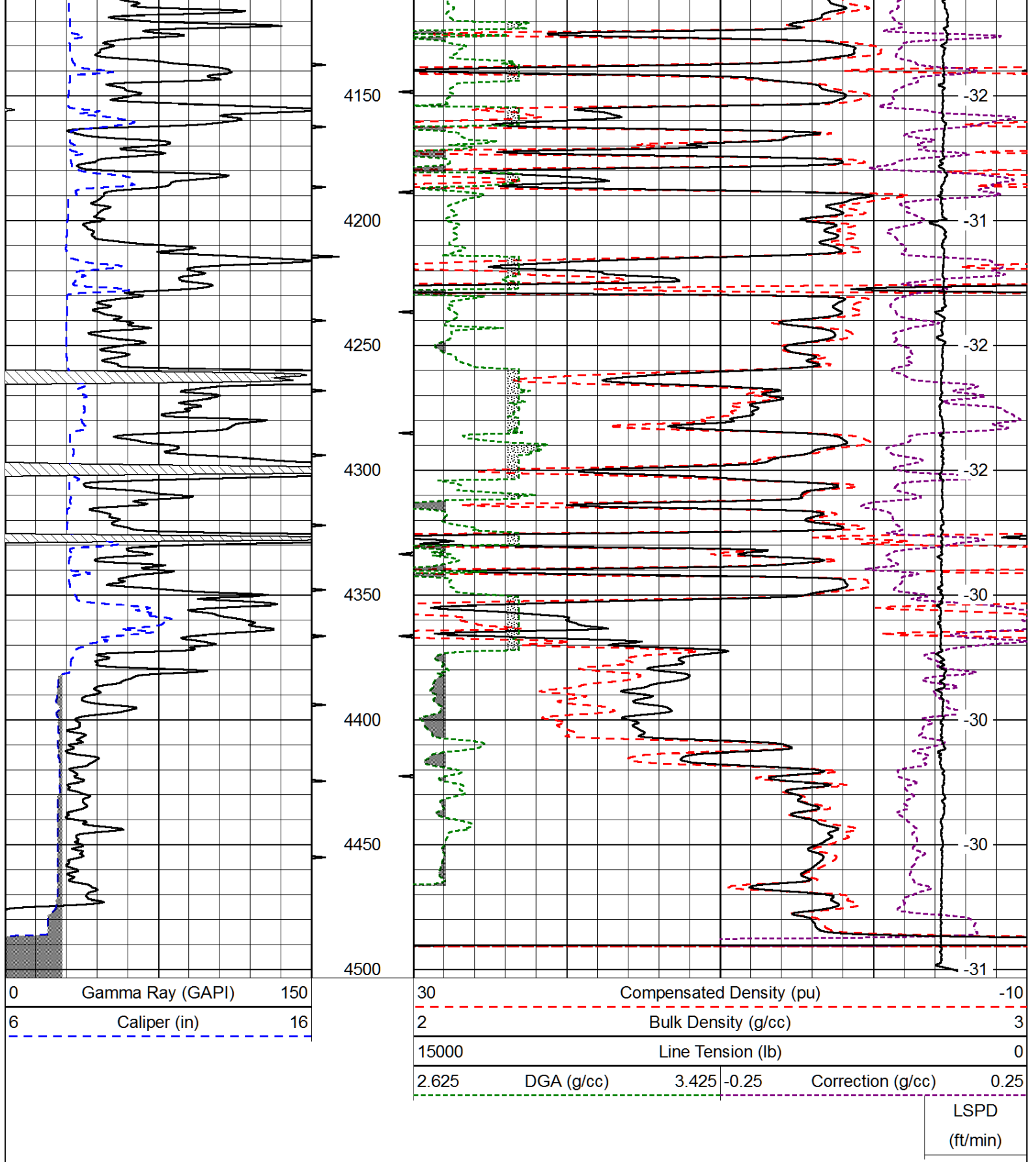
Comments

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

Burdett, KS:
6W, 1S, 1/2W, N into

Database File: amwarhd.db
Dataset Pathname: dil/amwmain
Presentation Format: cdl
Dataset Creation: Sat Feb 16 00:28:26 2013
Charted by: Depth in Feet scaled 1:600





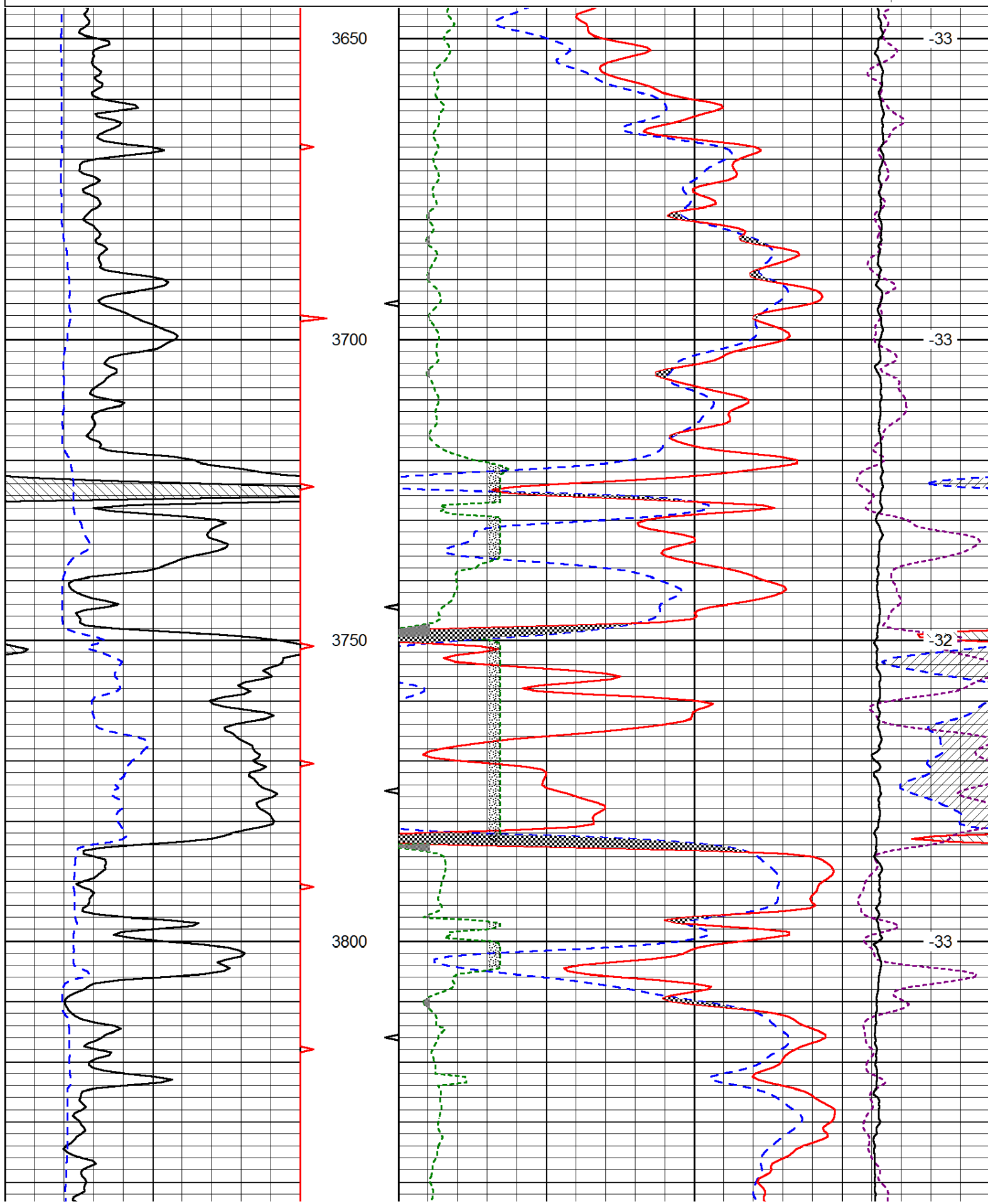
Database File:		amwarhd.db	
Dataset Pathname:		dil/amwmain	
Presentation Format:		cndlspec	
Dataset Creation:		Sat Feb 16 00:28:26 2013	
Charted by:		Depth in Feet scaled 1:240	

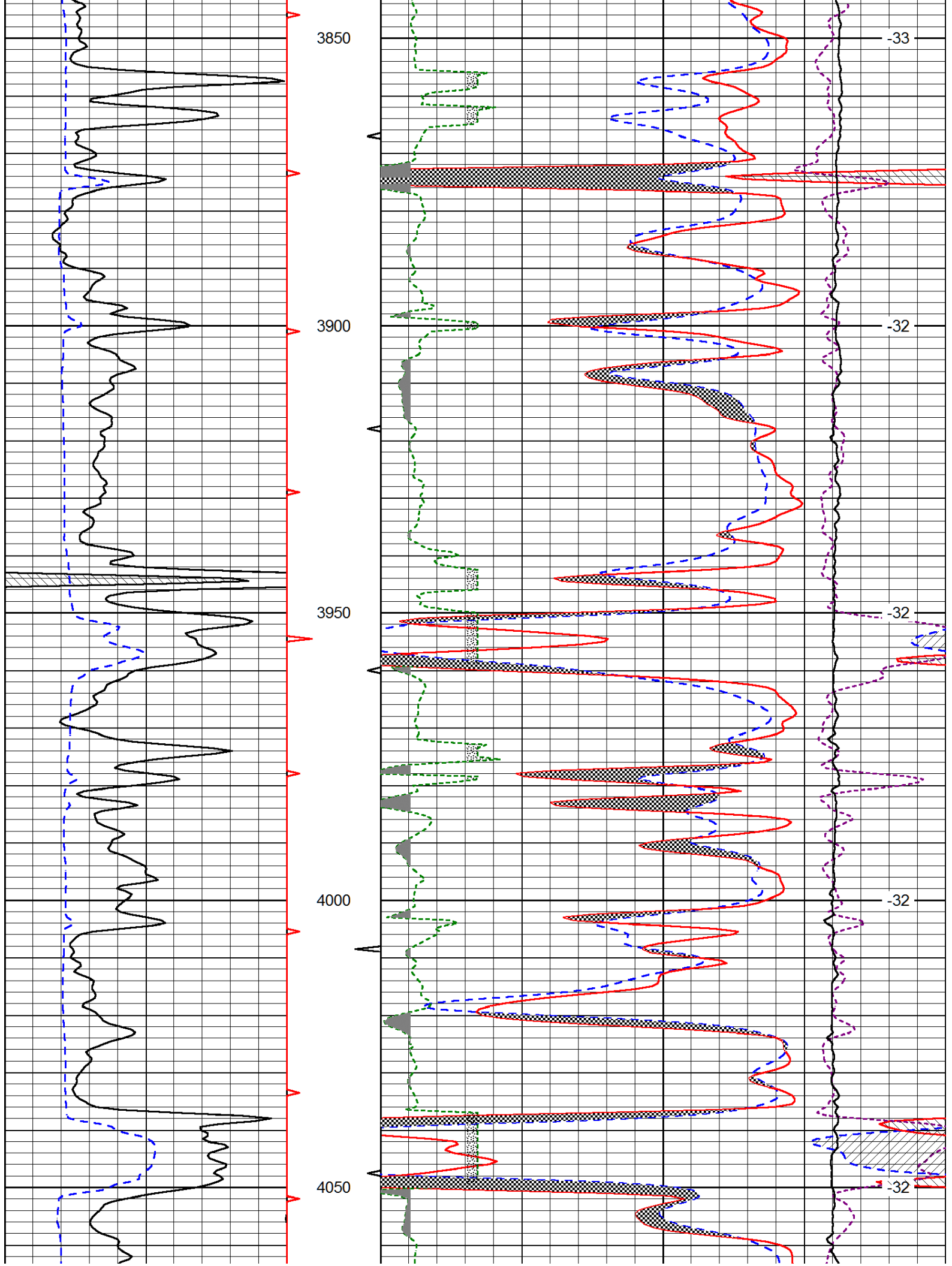
0	Gamma Ray (GAPI)	150	30	CNLS (pu)	-10
6	Caliper (in)	16	30	Compensated Density (2.71 ma) (pu)	-10

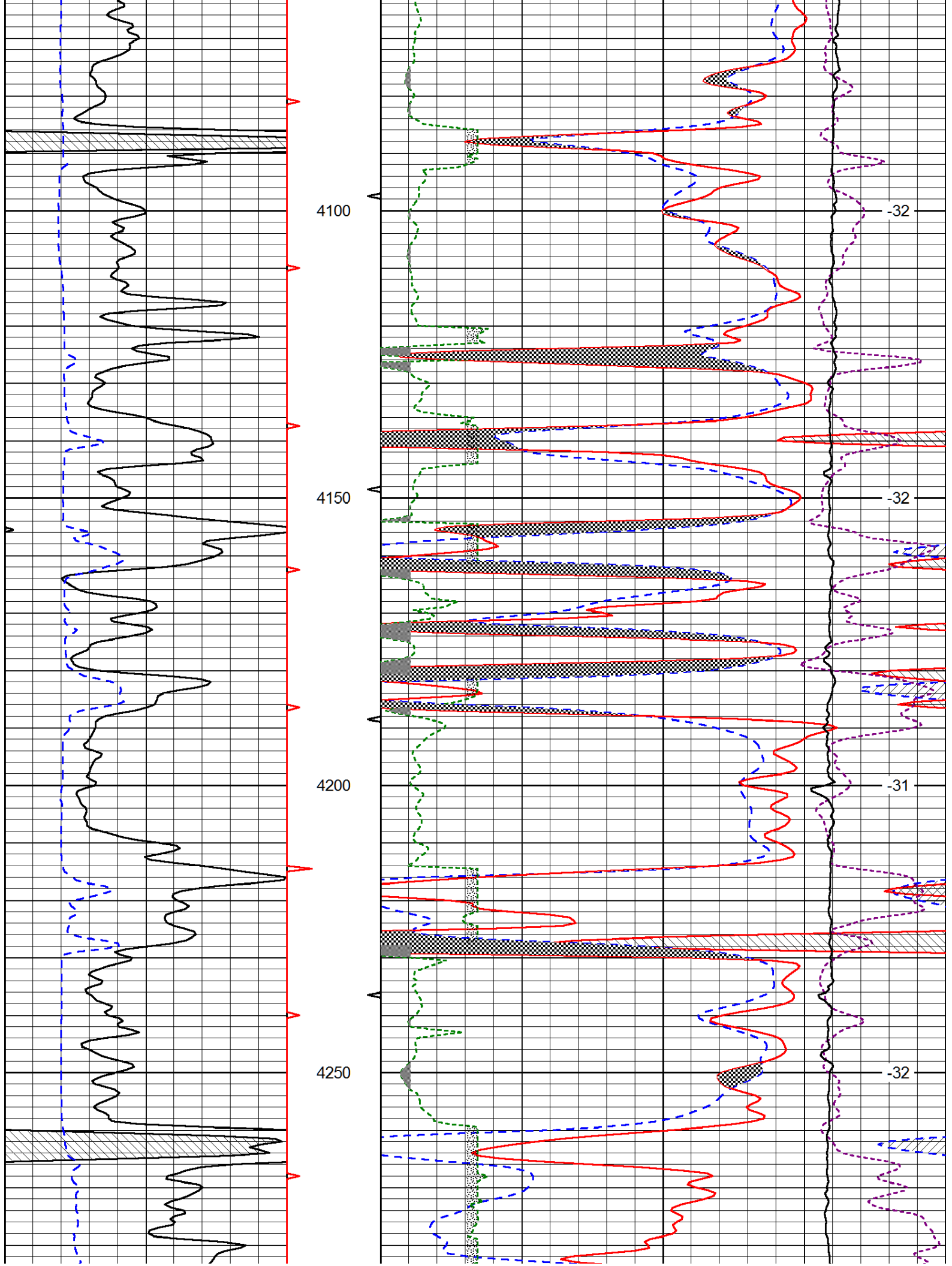
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0

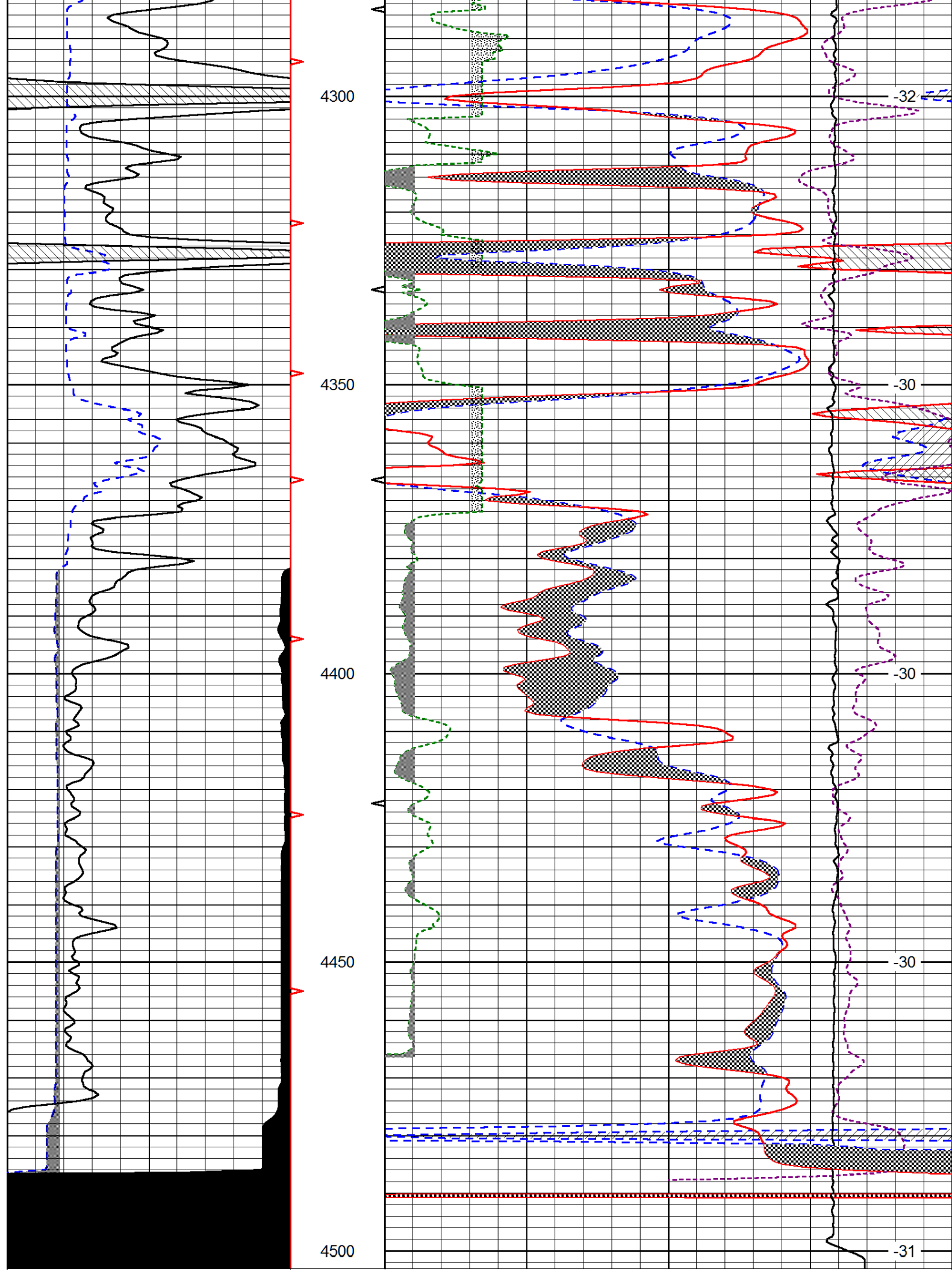
LSPD

(ft/min)









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