



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26,590-00-00

Company TDI, Inc.

Well Johnson No. 1

Field Unnamed

County Ellis

State Kansas

Location

NE-NW-SE-NW
1365' FNL & 1675' FWL

Other Services
DIL/MEL

Sec: 19

Twp: 14S

Rge: 18W

Permanent Datum

Log Measured From

Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing
10 Ft. Above Perm. Datum

Elevation
K.B. 2124
D.F. 2114
G.L. 2114

Date

9/25/13

Run Number

One

Type Log

CNL / CDL

Depth Driller

3900

Depth Logger

3902

Bottom Logged Interval

3881

Top Logged Interval

3000

Type Fluid In Hole

Chemical

Salinity, PPM CL

3,000

Density

9.4

Level

Full

Max. Rec. Temp. F

115

Operating Rig Time

3 Hours

Equipment -- Location

108 Hays

Recorded By

J. Henrickson

Witnessed By

Tom Denning

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

224

8.625

23#

00

224

Two

7.875

224

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

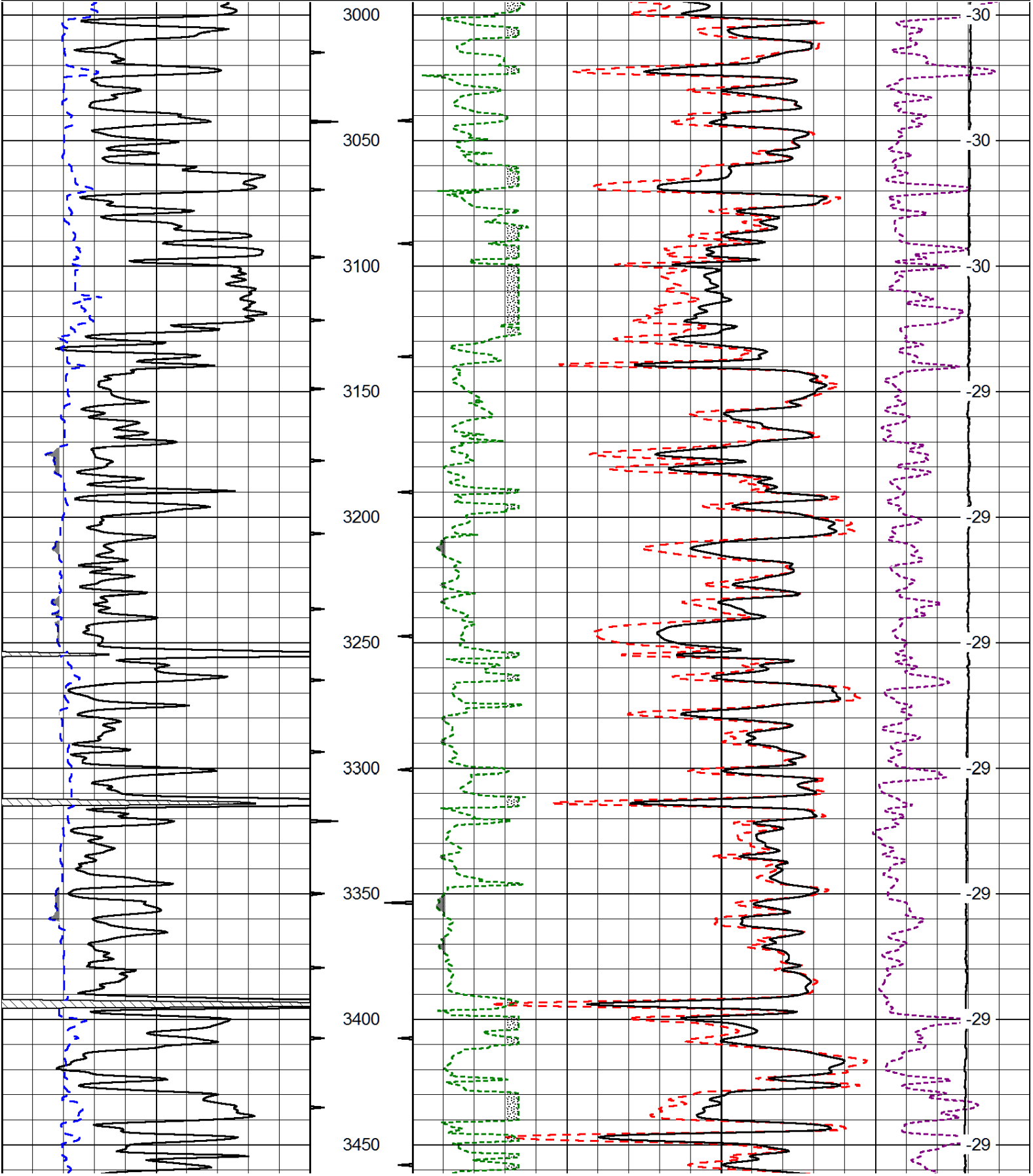
Thank you for using Log-Tech, Inc.
(785) 625-3858

Hays Kansas
South on 240th to Mt. Pleasant Rd, 1 3/4 West, South Into

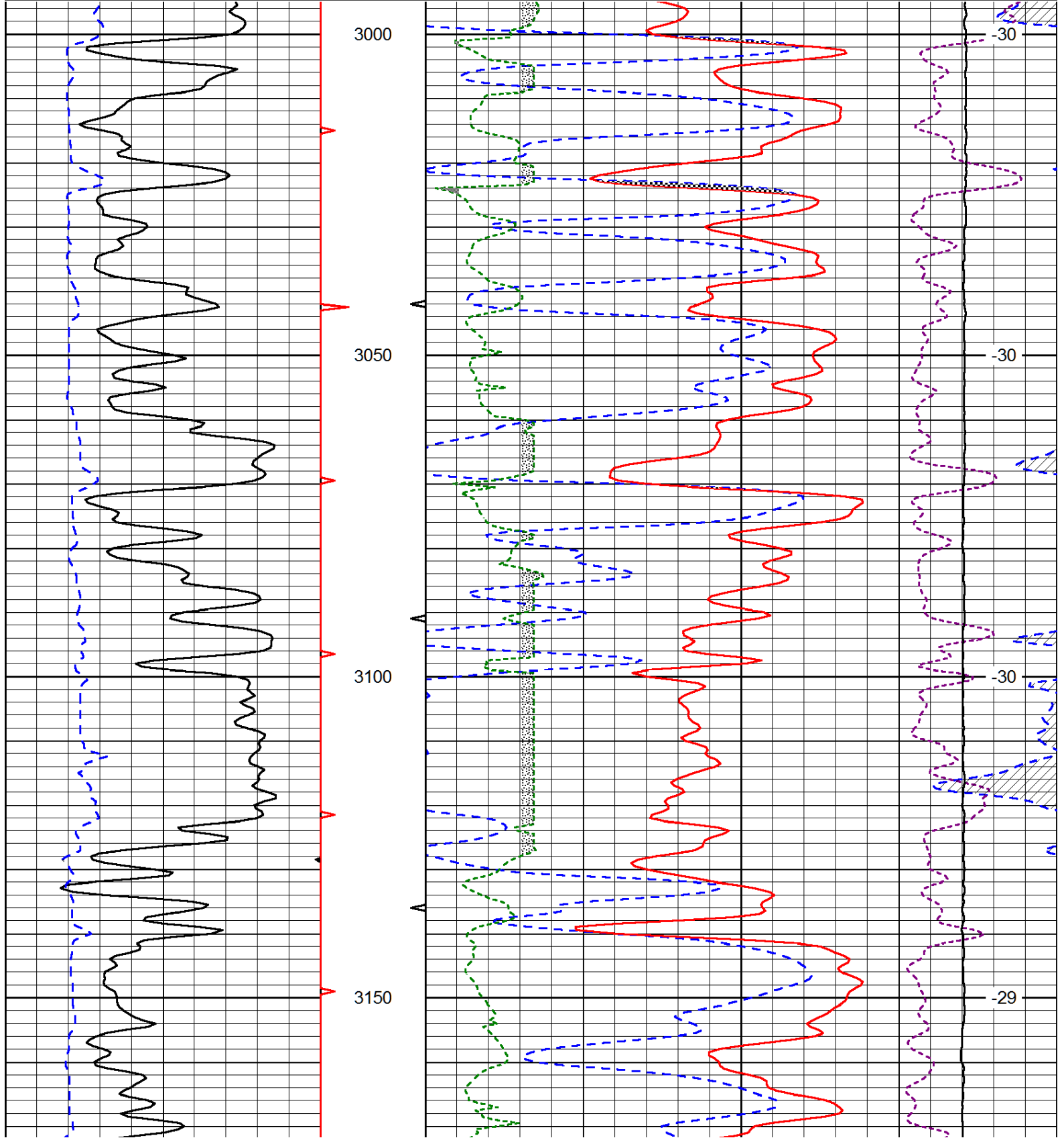
Database File: tdi_johnson_1hd.db
Dataset Pathname: DIL/tdistk
Presentation Format: cdl
Dataset Creation: Wed Sep 25 15:08:40 2013
Charted by: Depth in Feet scaled 1:600

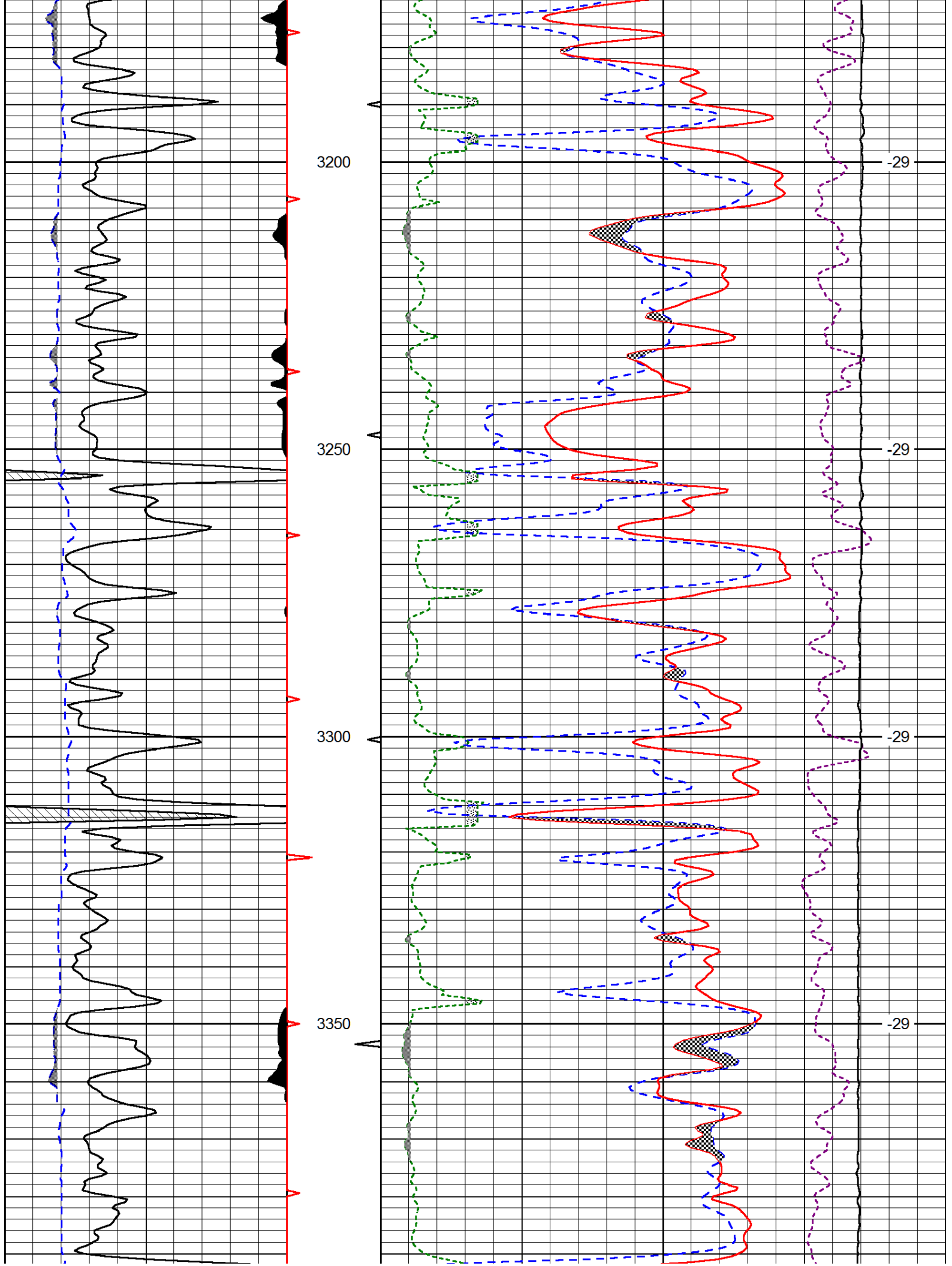
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

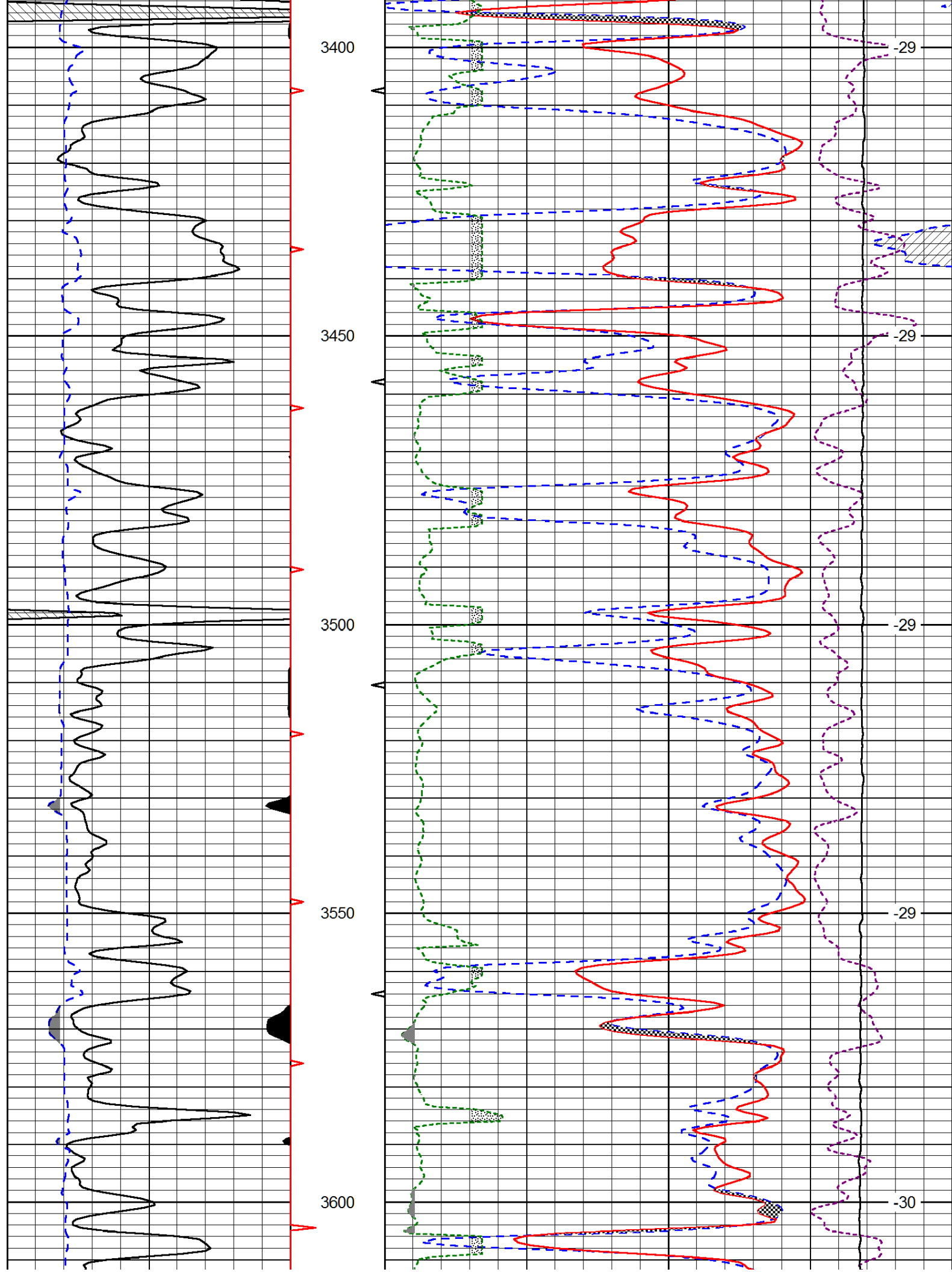
30	Compensated Density (pu)			-10	
2	Bulk Density (g/cc)			3	
15000	Line Tension (lb)			0	
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25

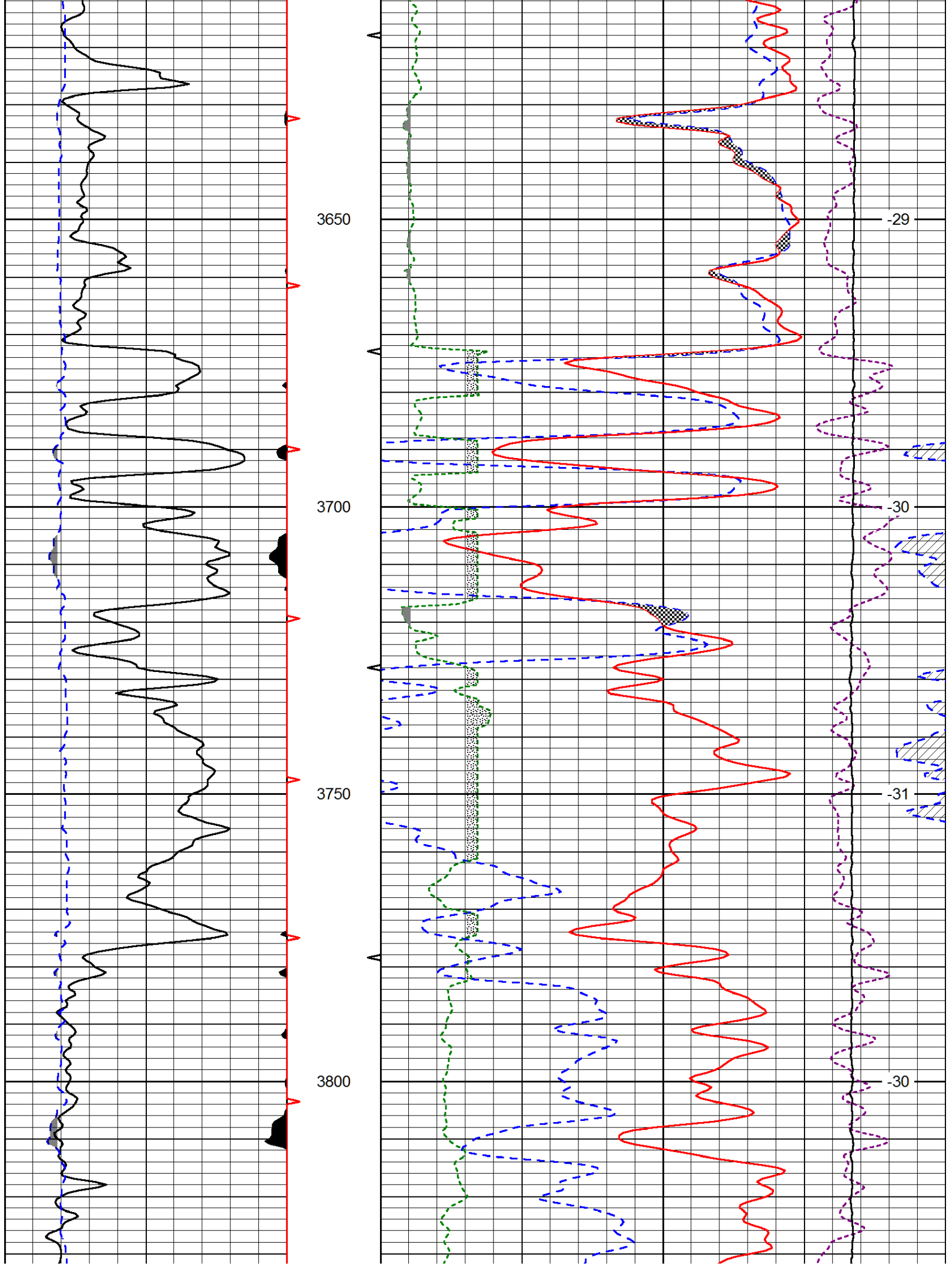


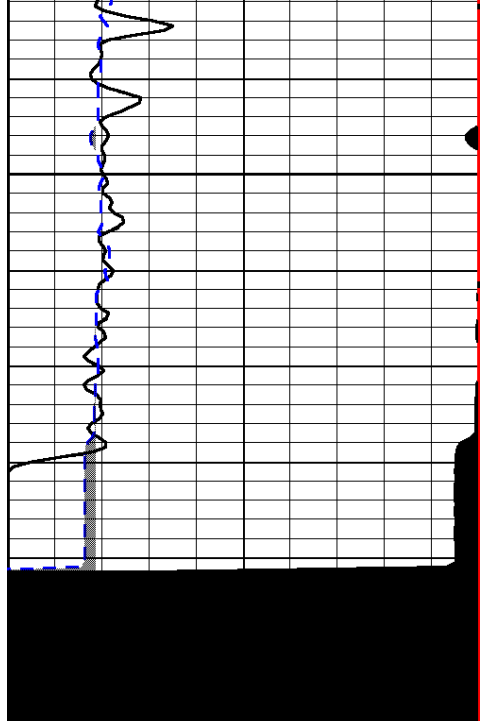
0	Gamma Ray (GAPI)	150	30	CNLS (pu)	-10
6	Caliper (in)	16	30	Compensated Density (2.71 ma) (pu)	-10
			2.625	DGA (g/cc)	3.425
			-0.25	Correction (g/cc)	0.25
			10000	Line Tension (lb)	0
					LSPD (ft/min)







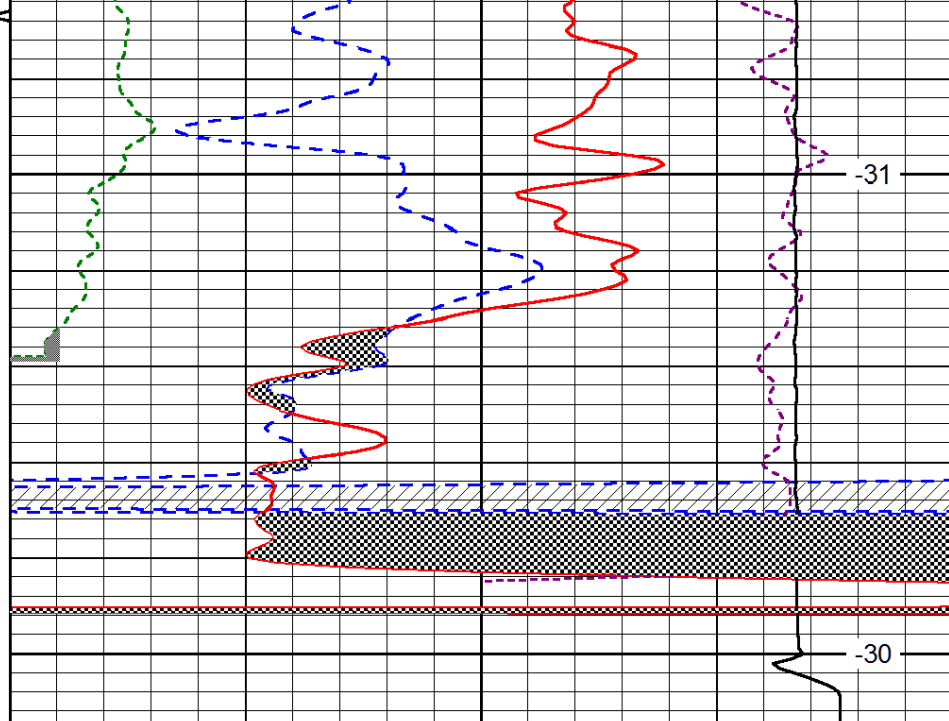




0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

3850

3900



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)