



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-147-20690-00-00

Company **Bach Oil Production**

Well **Krafft #1**

Field **Wildcat**

County **Phillips**

State **Kansas**

Location

**NE NE SW SW
1020' FSL / 1000' FWL**

Other Services
DIL

Sec: **11**

Twp: **1S**

Rge: **19W**

Elevation

Permanent Datum **Ground Level** Elevation **2118**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

K.B. 2023
D.F. 2118
G.L. 2118

Date

9/15/2012

Run Number

One

Type Log

CNL / CDL

Depth Driller

3618

Depth Logger

3618

Bottom Logged Interval

3597

Top Logged Interval

3000

Type Fluid In Hole

Chemical

Salinity, PPM CL

1000

Density

9.3

Level

Full

Max. Rec. Temp. F

112

Operating Rig Time

3 Hours

Equipment -- Location

15 Hays

Recorded By

R. Barnhart

Witnessed By

Bob Petersen

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

234

8.625

23#

00

234

Two

7.875

234

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

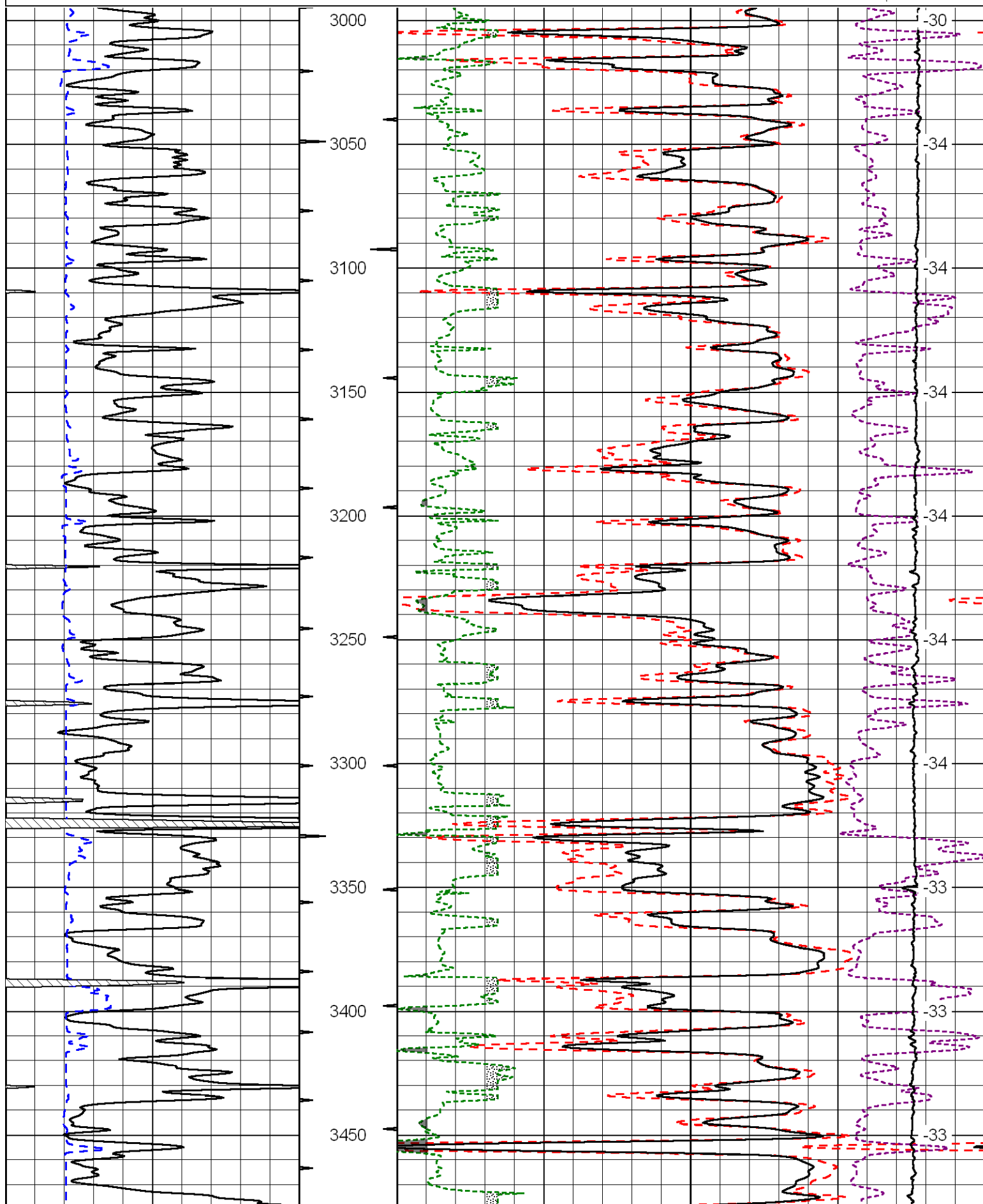
Thank you for using Log-Tech, Inc.
(785) 625-3858

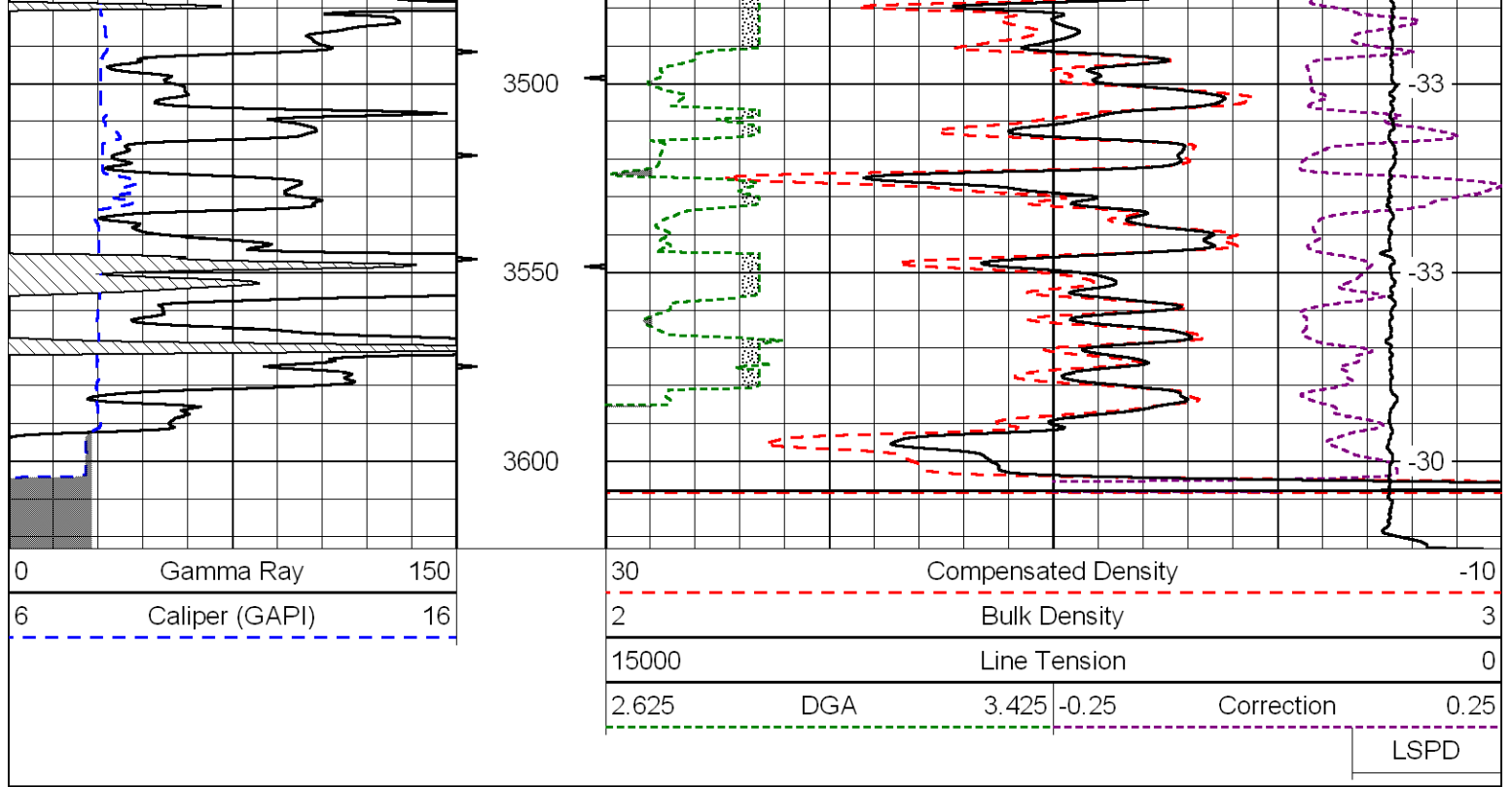
Phillipsburg, KS:
N to Hwy 183 & Hwy 383: 4W, 1S, 1/2E, N into

Database File: backhd.db
Dataset Pathname: dil/bacmain
Presentation Format: cdl
Dataset Creation: Sat Sep 15 22:18:20 2012
Charted by: Depth in Feet scaled 1:600

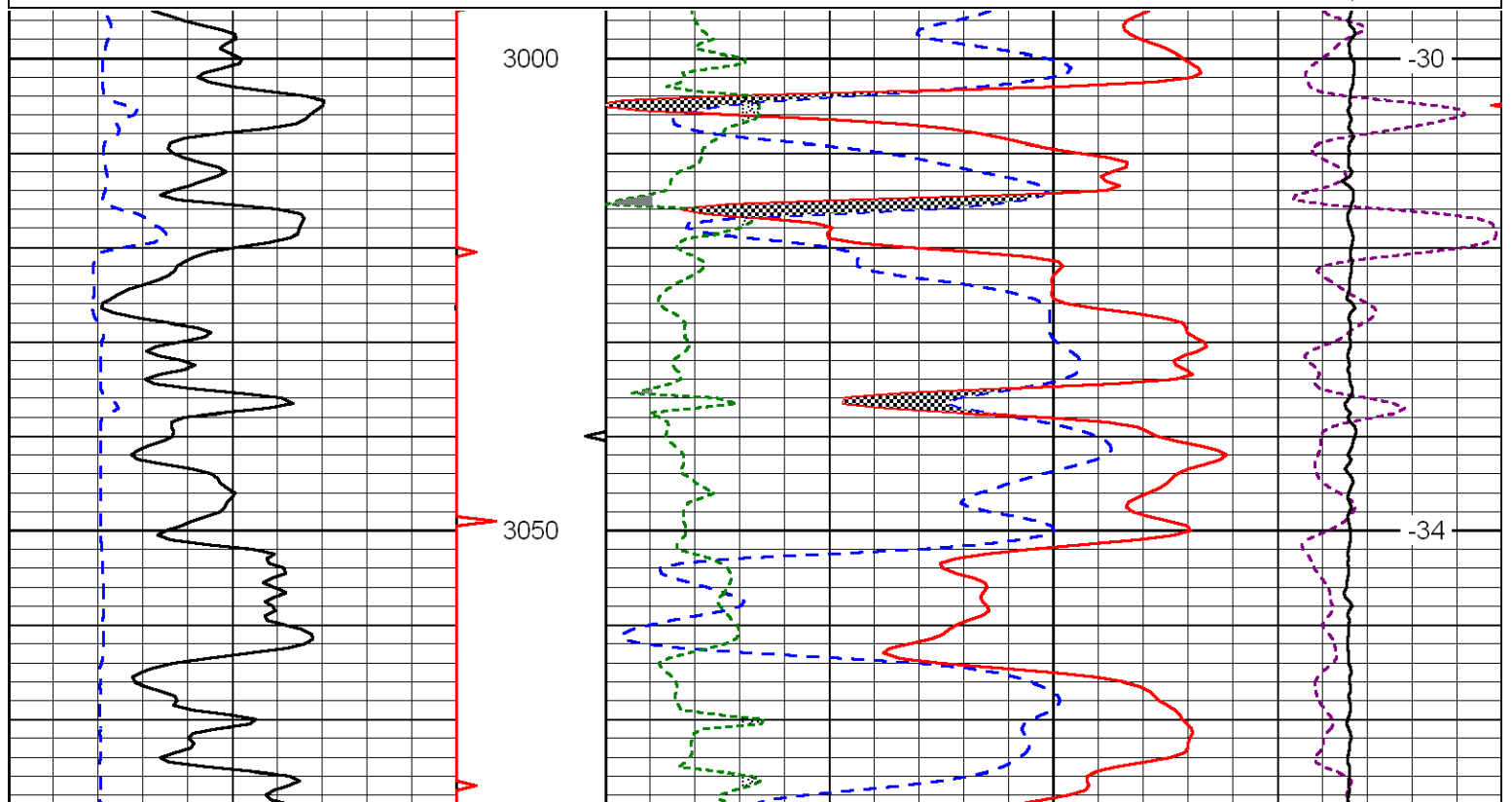
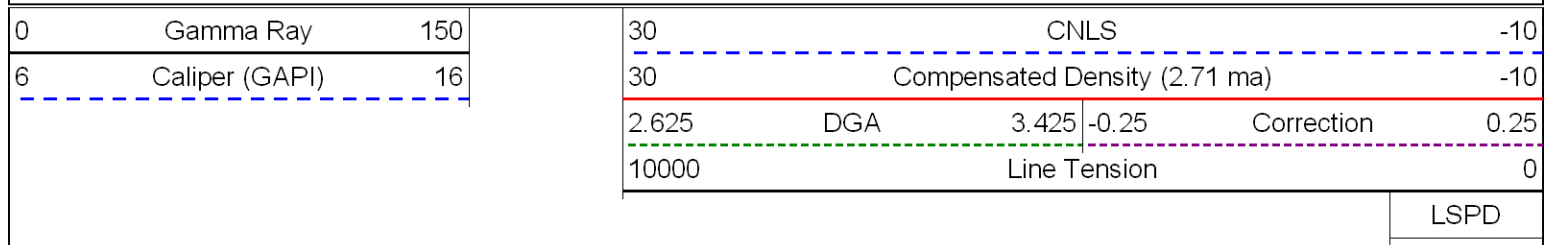
0	Gamma Ray	150
6	Caliper (GAPI)	16

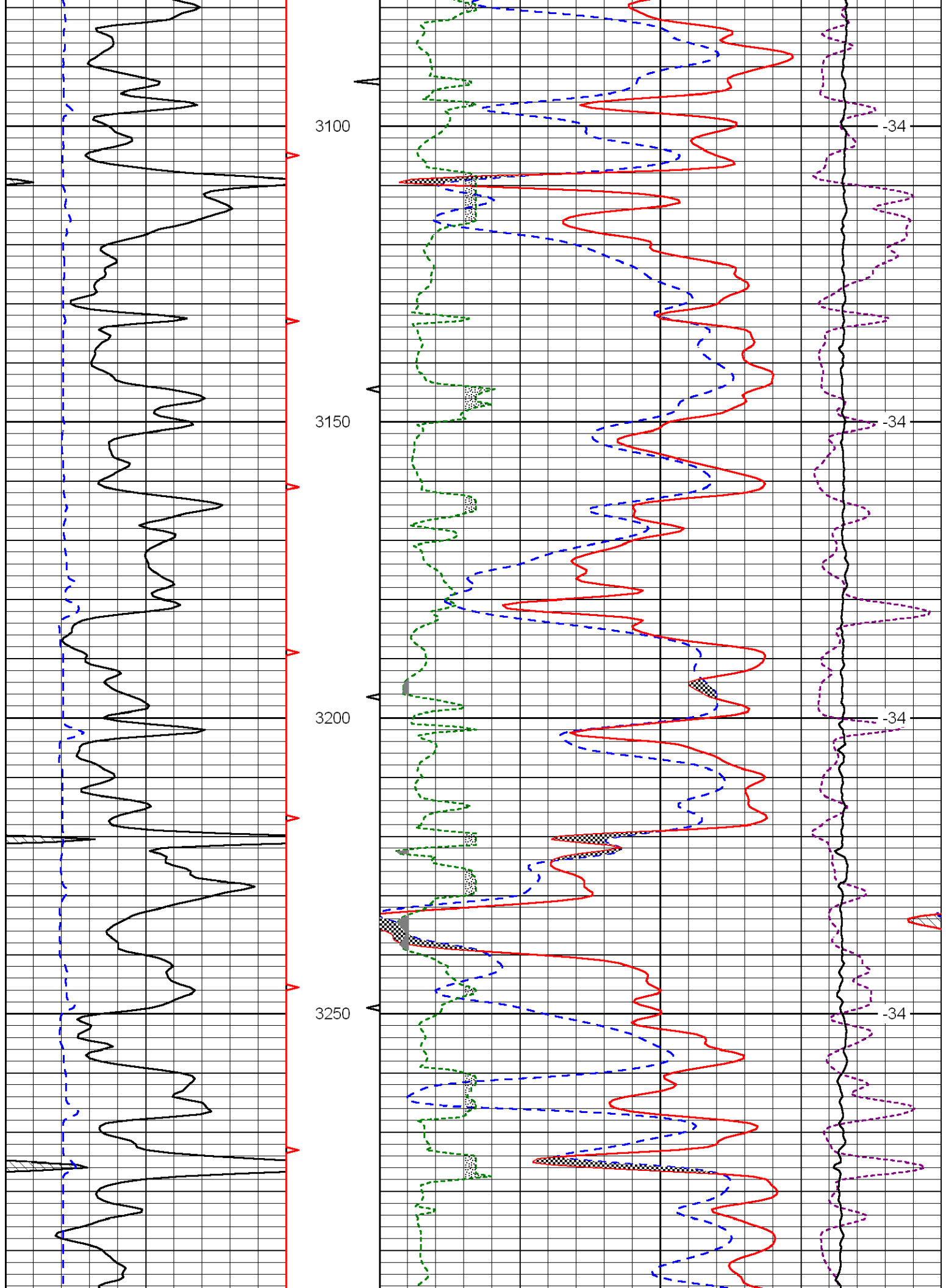
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

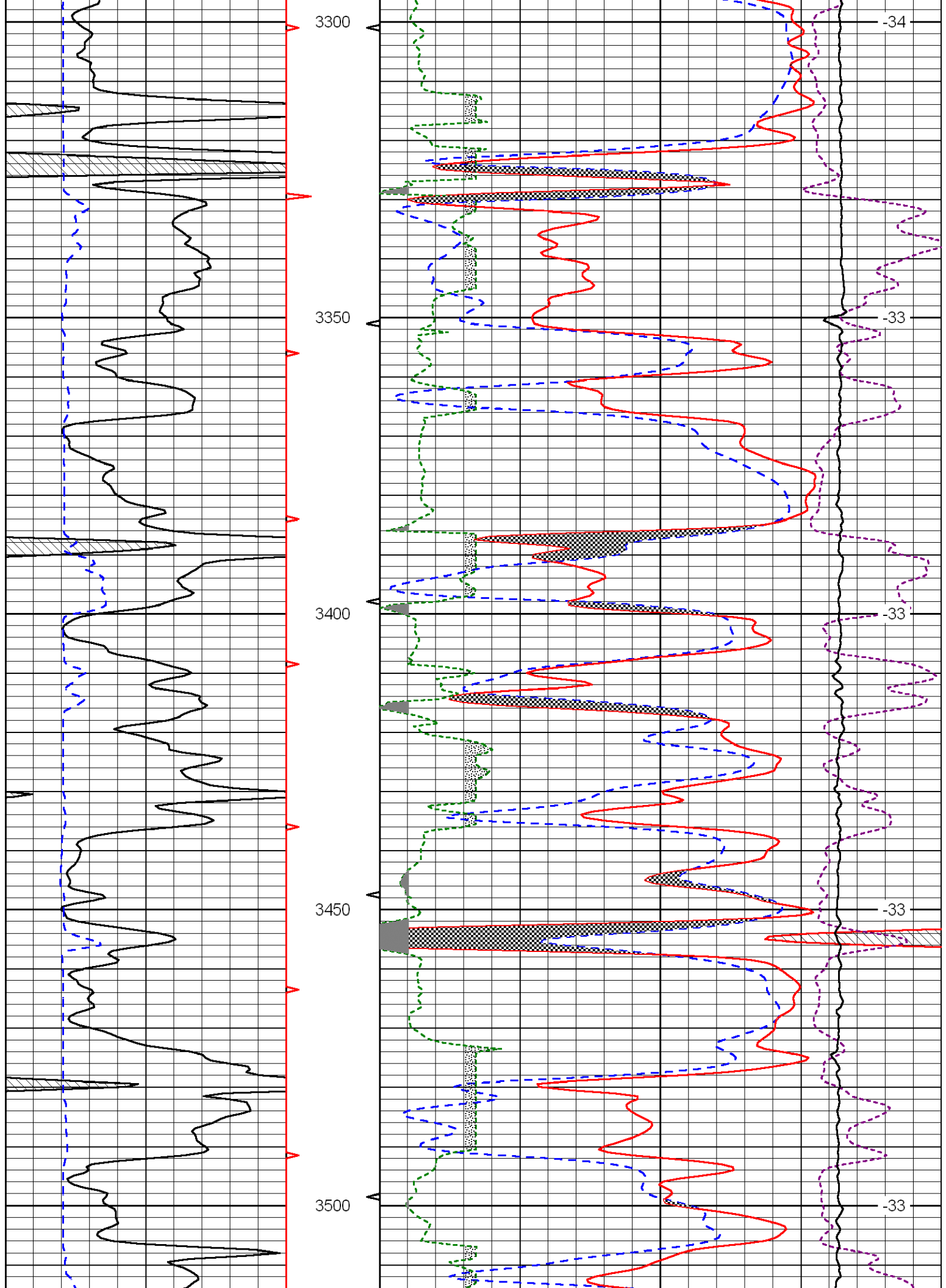


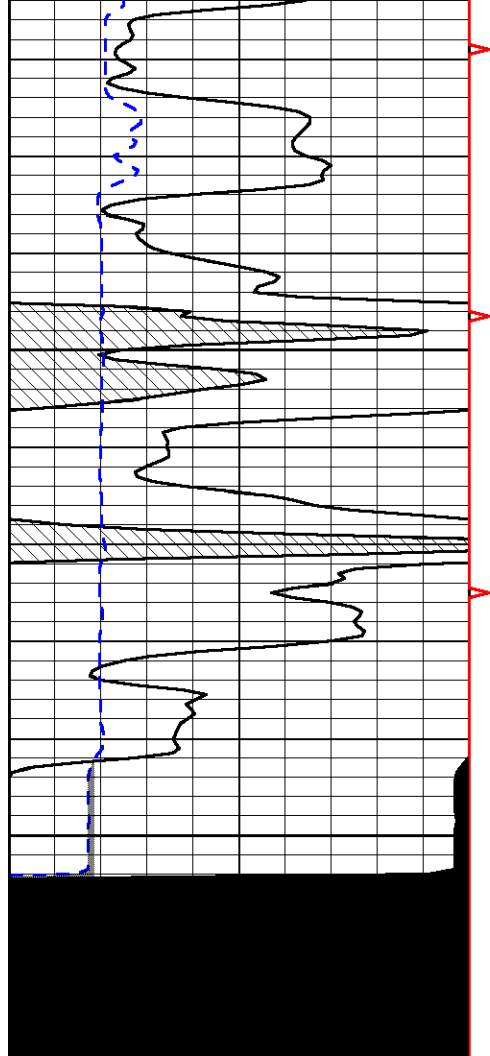


Database File: backhd.db
 Dataset Pathname: dil/bacmain
 Presentation Format: cndlspec
 Dataset Creation: Sat Sep 15 22:18:20 2012
 Charted by: Depth in Feet scaled 1:240





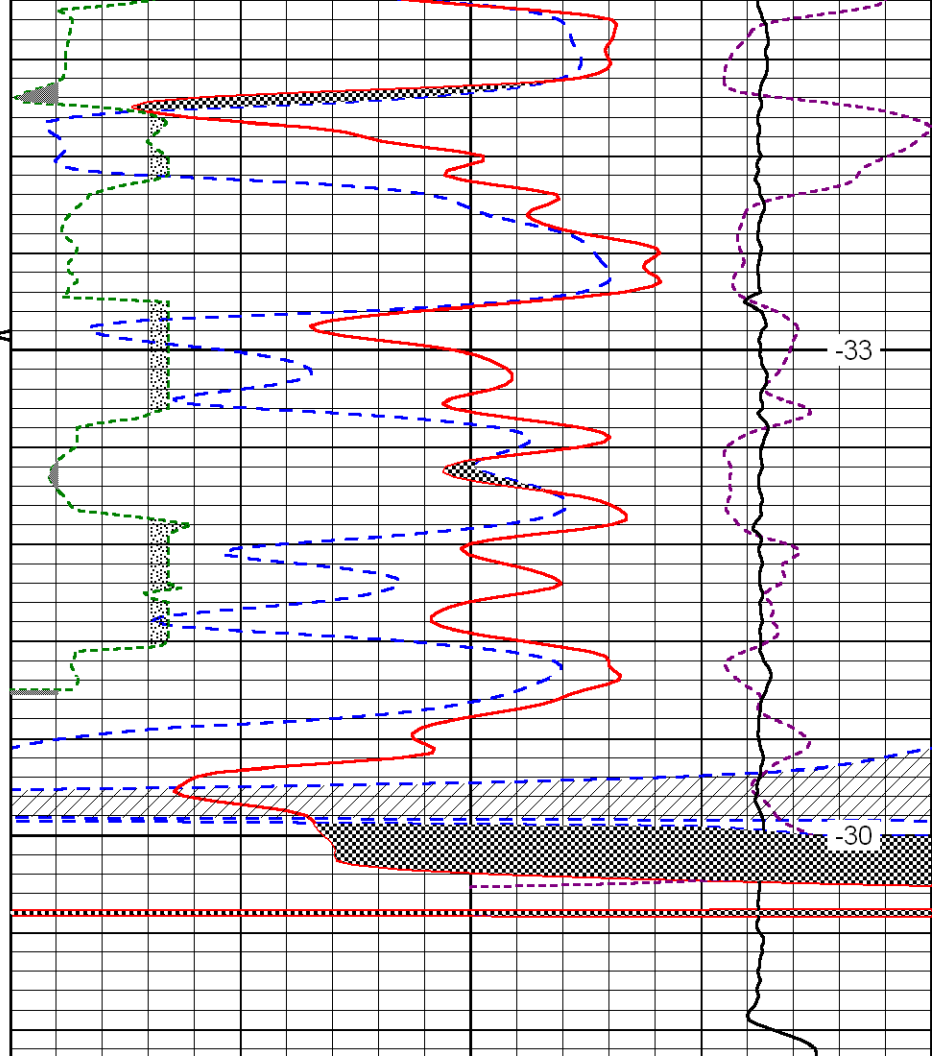




3550

3600

0	Gamma Ray	150
6	Caliper (GAPI)	16



-33

-30

30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0

LSPD