LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-065-23,795-00-00

Company Richland Oil Investments, LLC.

Well Grecian Trust No. 1-29

Field Harrold North

County Graham State Kansas

Location 1910' FNL & 1200' FWL

Sec: 29 Twp: 9 S Rge: 21 W

Permanent Datum Ground Level Elevation 2331

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services
DIL
MEL

Elevation
K.B. 2339
D.F. 2338
G.L. 2331

Date	1/3/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	3889
Depth Logger	3887
Bottom Logged Interval	3866
Top Logged Interval	3200
Type Fluid In Hole	Chemical
Salinity, PPM CL	6,000
Density	8.9
Level	Full
Max. Rec. Temp. F	117
Operating Rig Time	4 Hours
Equipment -- Location	91 Hays
Recorded By	K. Bange
Witnessed By	Richard Bell

Borehole Record

Run No.	Bit	From	To
1	12.25	00	222
2	7.875	222	3889

Casing Record

Size	Wgt.	From	To
8.625	24#	00	222

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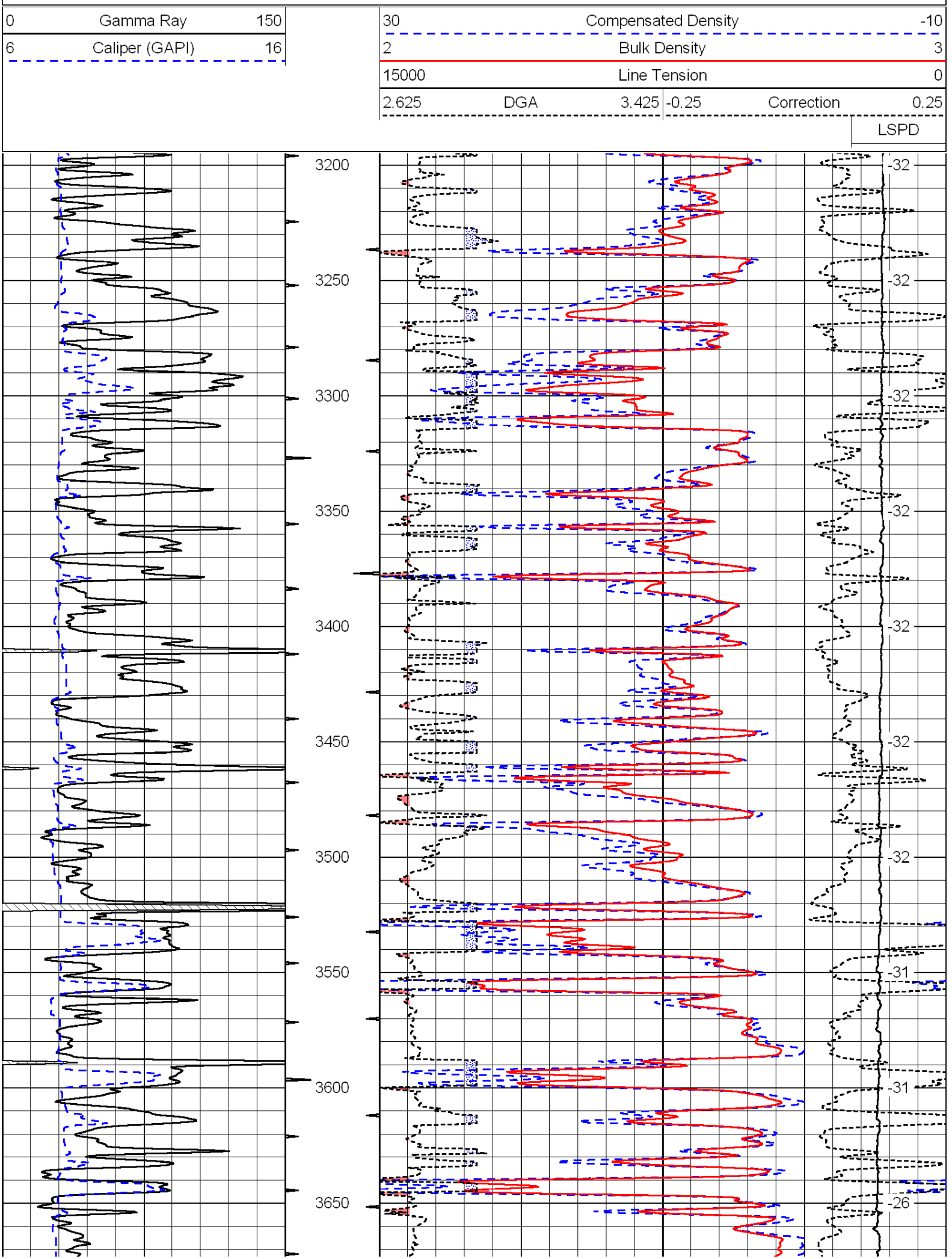
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

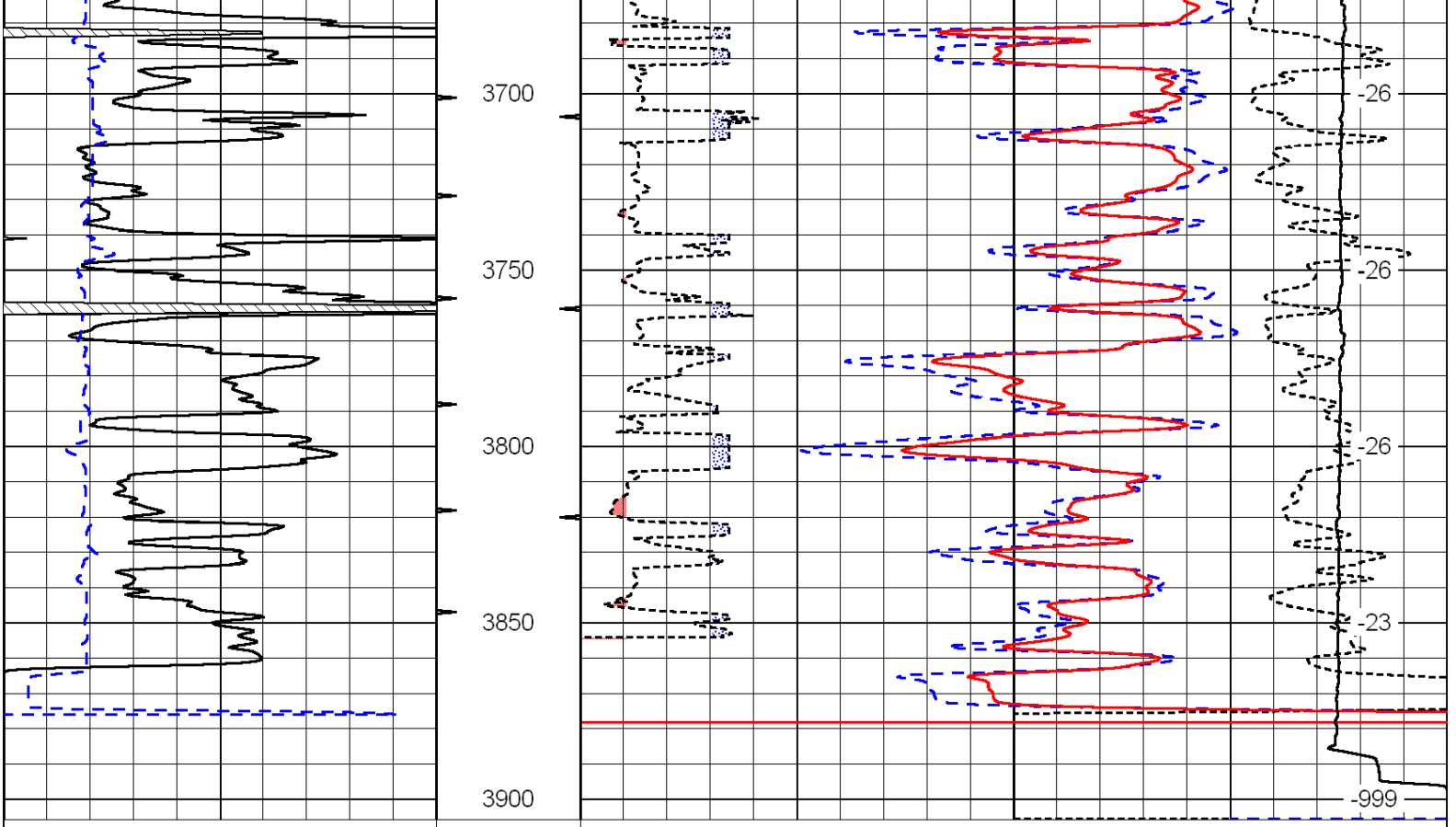
Comments

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

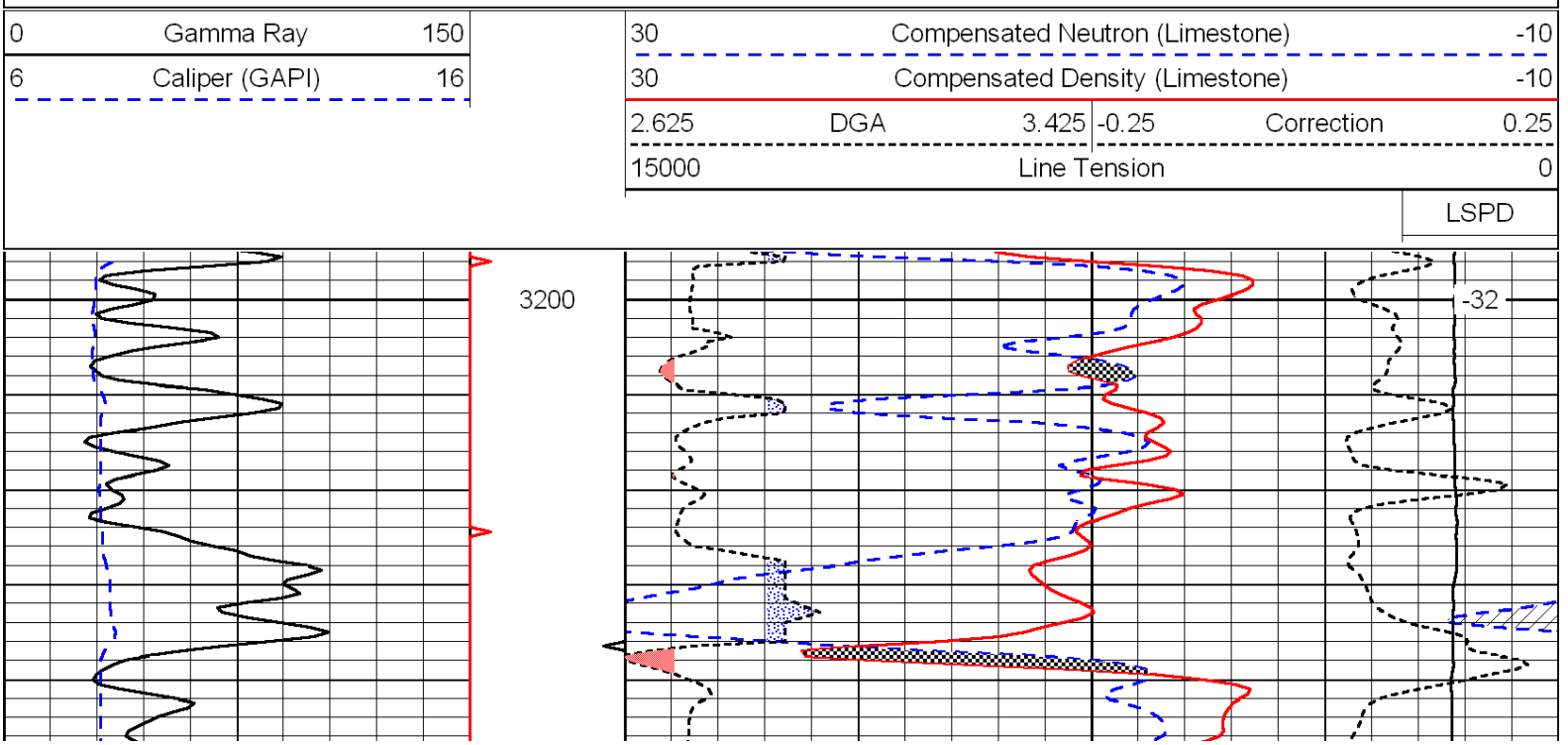
Riga rd, N to county line (T intesection)
3 W to 350 rd, N to Red Line (H rd),
1/4 N, E into

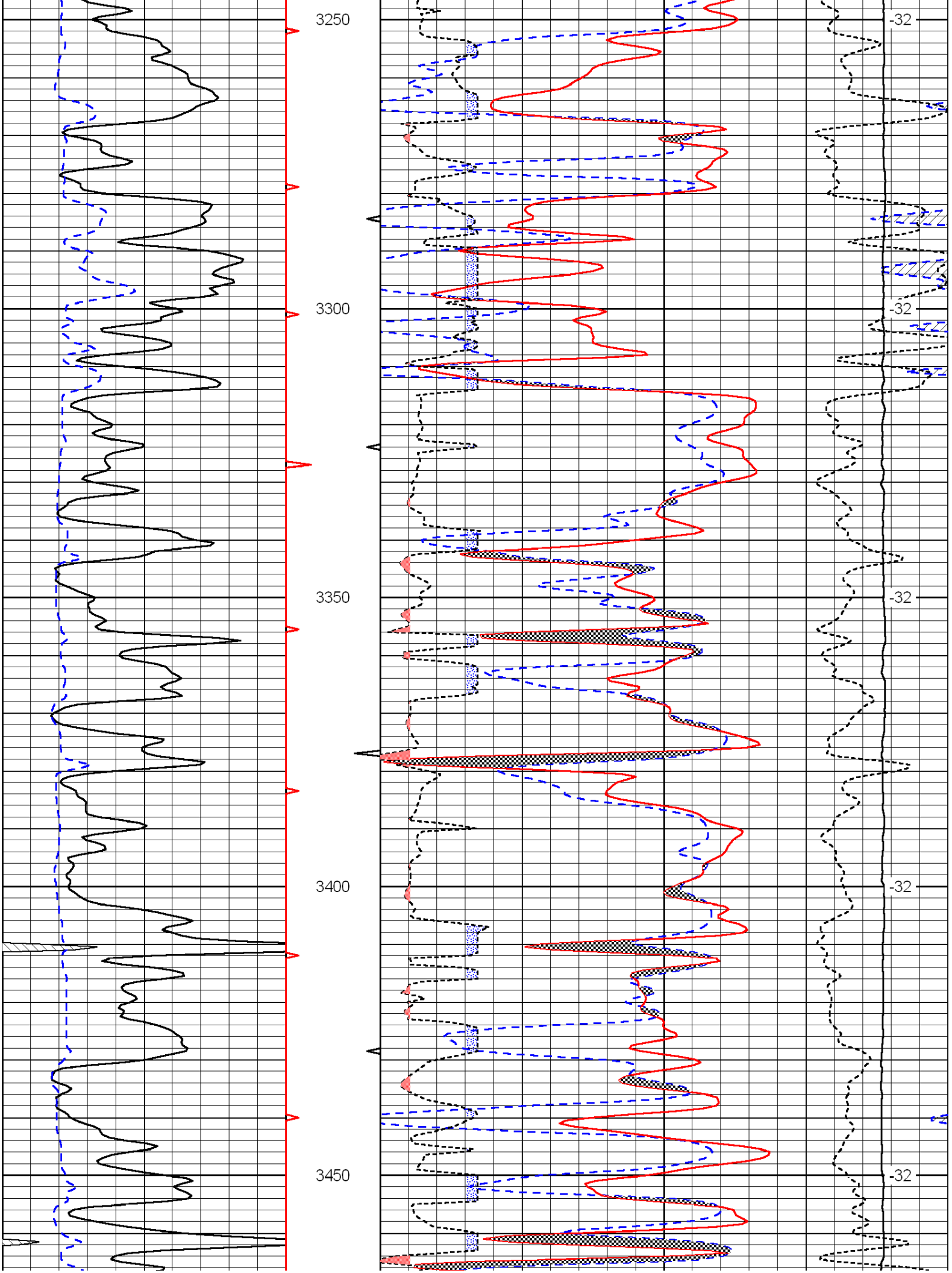
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Dataset Pathname:	dil/richstack
Presentation Format:	cdl
Dataset Creation:	Tue Jan 03 12:32:31 2012
Charted by:	Depth in Feet scaled 1:600

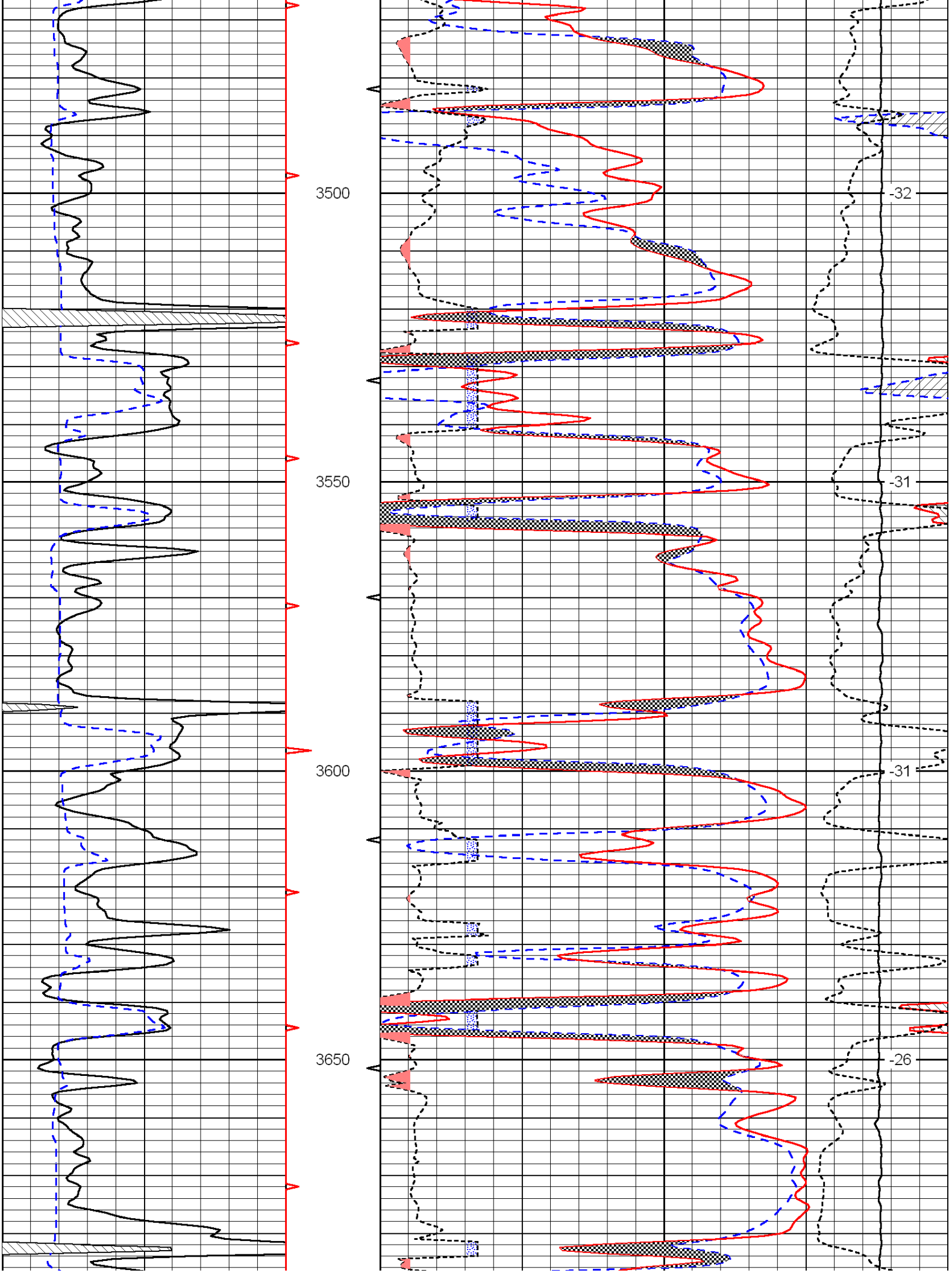

0
Gamma Ray
150
6
Caliper (GAPI)
16
30
Compensated Density
-10
2
Bulk Density
3
15000
Line Tension
0
2.625
DGA
3.425
-0.25
Correction
0.25
LSPD
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
-32
-32
-32
-32
-32
-32
-31
-31
-26

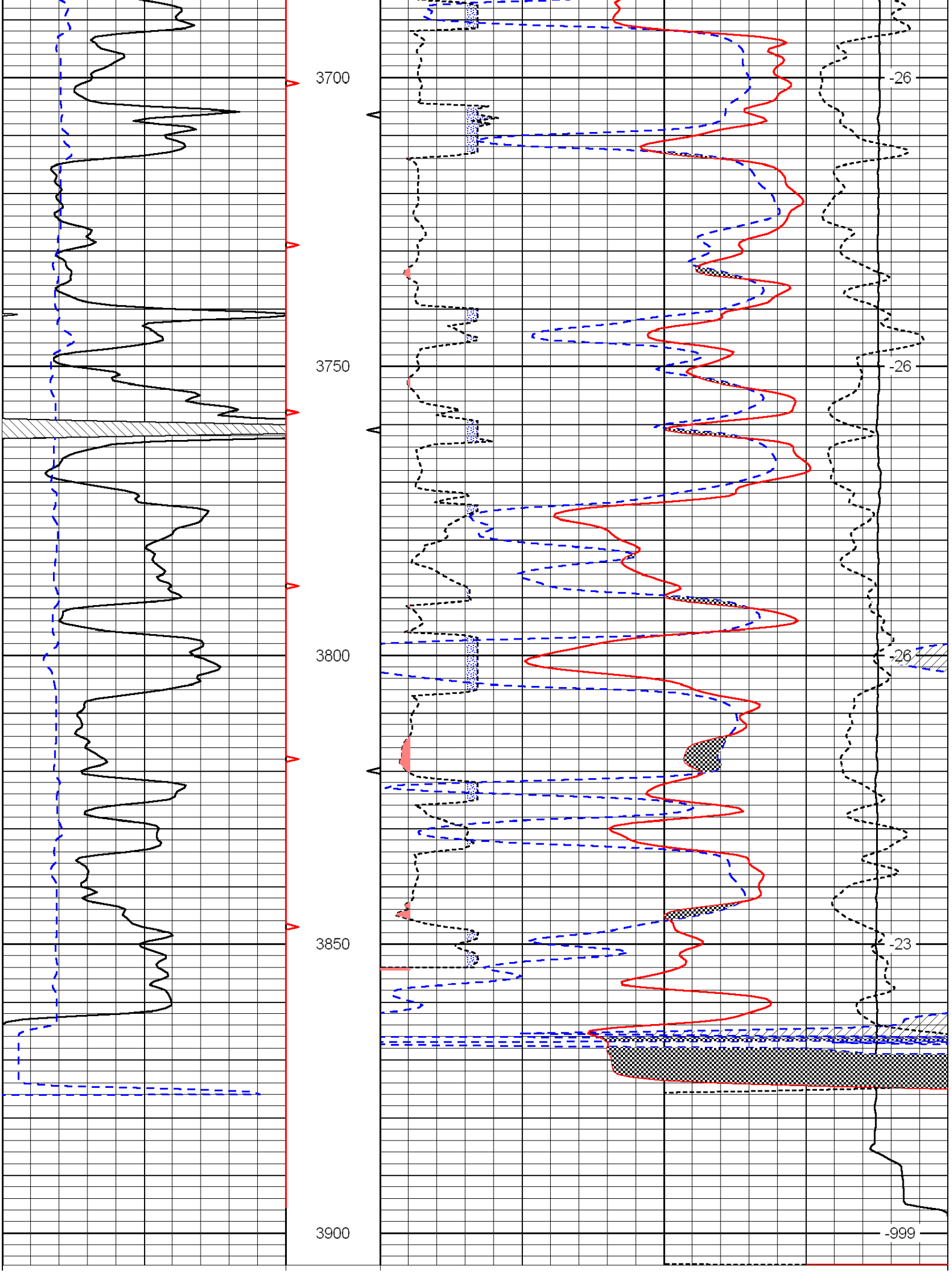


Database File: c:\warrior\data\richland_grecian trust no. 1-29\richland010312hd.db
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Presentation Format: cndlspec
Dataset Creation: Tue Jan 03 12:32:31 2012
Charted by: Depth in Feet scaled 1:240




3250
3300
3350
3400
3450
-32
-32
-32
-32
-32


3500
3550
3600
3650
-32
-31
-31
-26


3700
3750
3800
3850
3900
-26
-26
-26
-23
-999

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

LSPD