LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-141-20,437-00-00

Company Bruce Oil Company, LLC

Well Thibault No.2

Field Kill Creek

County Osborne State Kansas

Location SW NE NE
990' FNL & 990' FEL
Sec: 22 Twp: 8s Rge: 14W

Other Services
DIL
MEL

Elevation
K.B. 1901
D.F.
G.L. 1896

Permanent Datum Ground Level Elevation 1896
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	10/7/2011
Run Number	One
Type Log	CNL / CDL
Depth Driller	3208
Depth Logger	3207
Bottom Logged Interval	3205
Top Logged Interval	1700
Type Fluid In Hole	Chemical
Salinity, PPM CL	3,400
Density	9.0
Level	Full
Max. Rec. Temp. F	108
Operating Rig Time	3 1/2 Hours
Equipment -- Location	17 Hays
Recorded By	C. Desaire
Witnessed By	Bob Petersen

Borehole Record

Run No.	Bit	From	To
1	12.25	00	853
2	7.875	853	3208

Casing Record

Size	Wgt.	From	To
8.625	24#	00	853

<<< Fold Here >>>

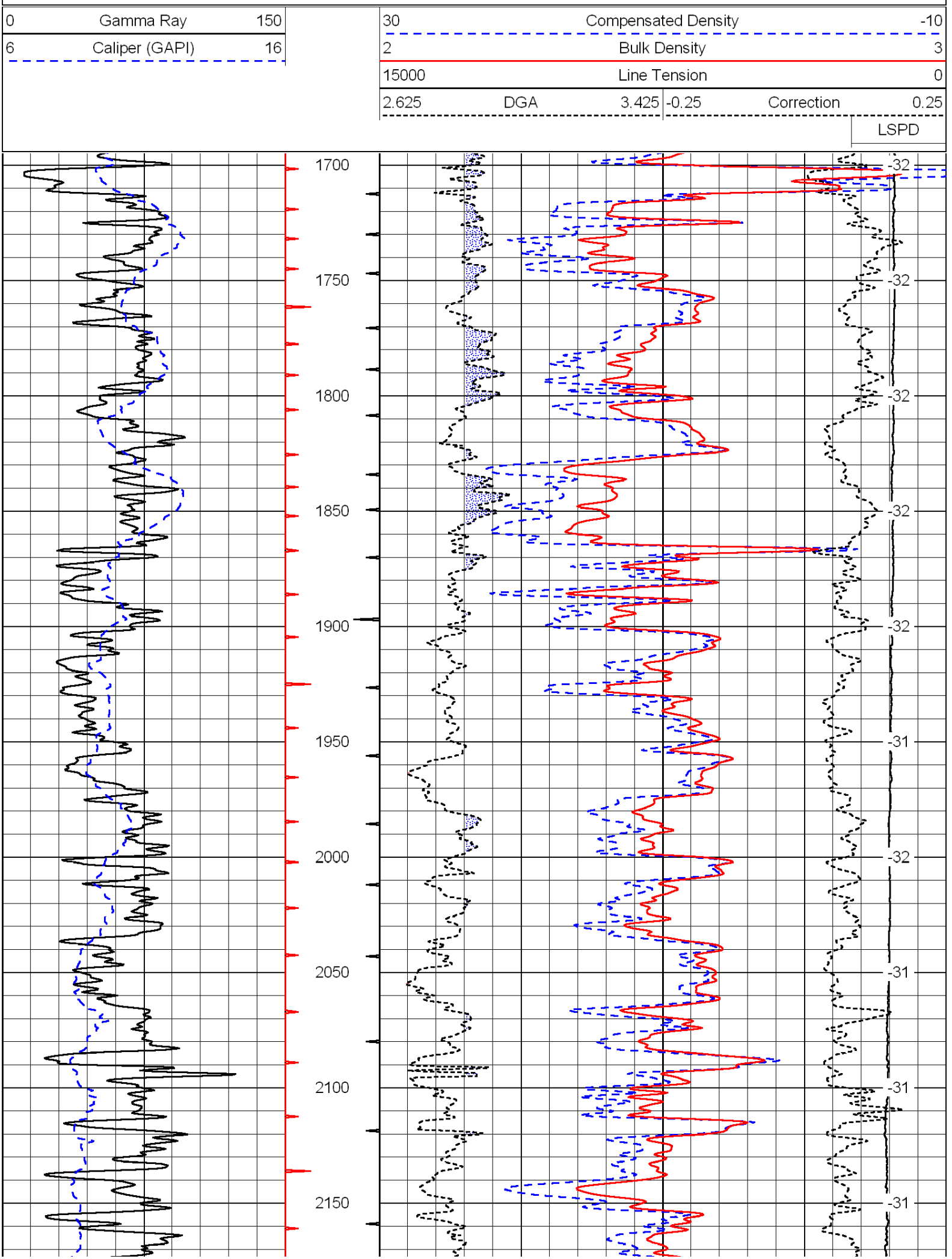
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

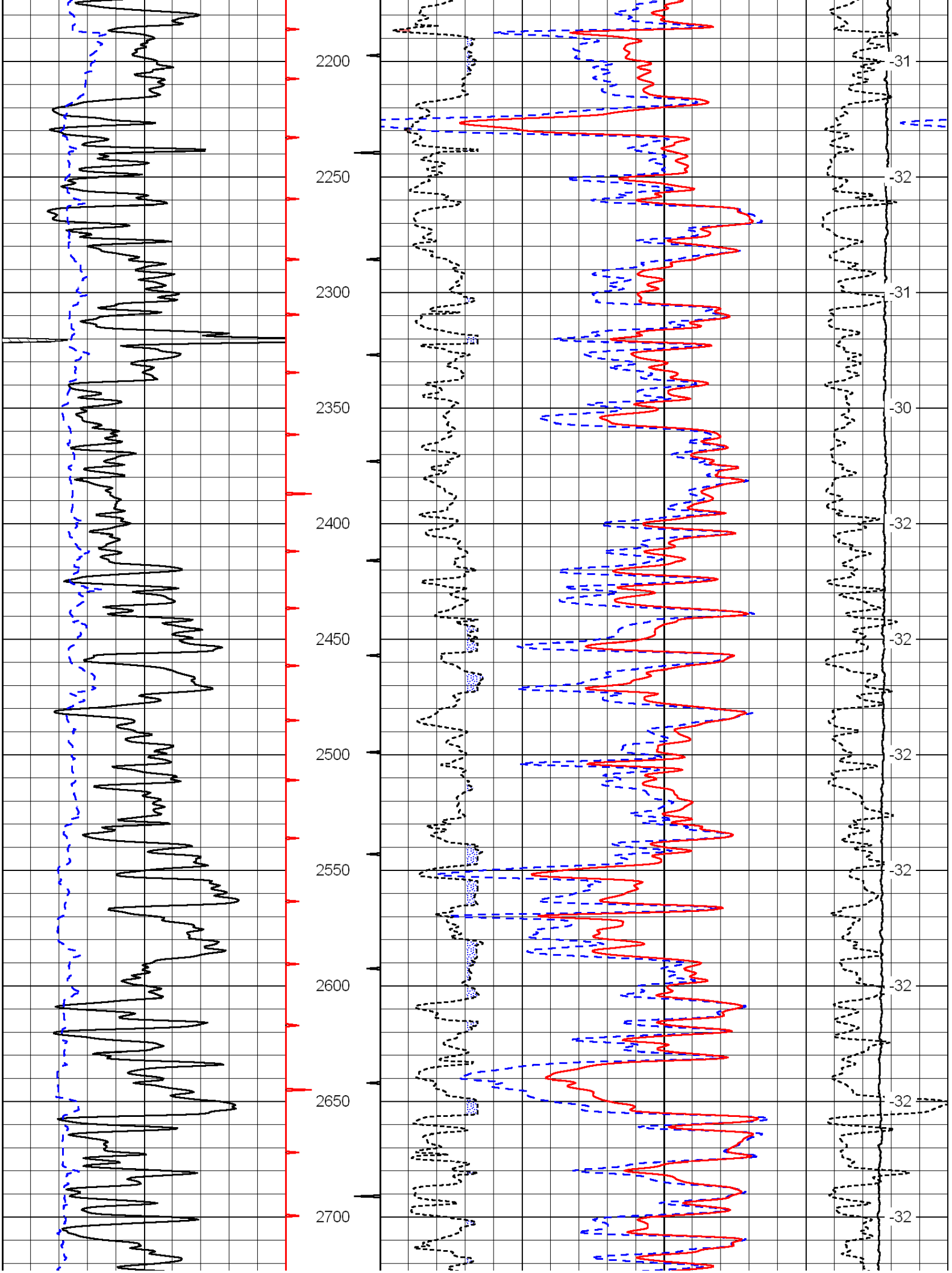
Comments

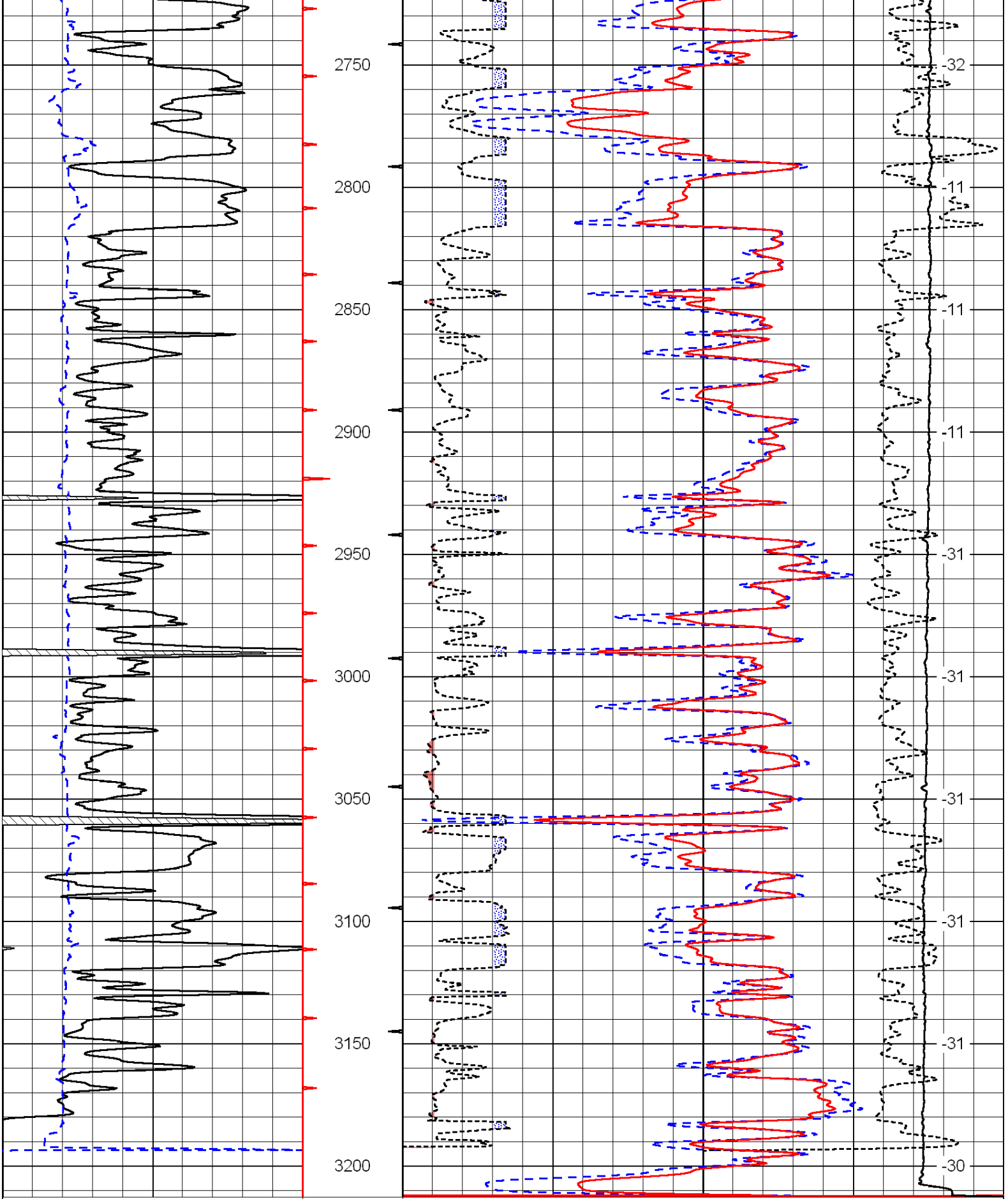
Thank you for using Log-Tech, Inc.
(785) 625-3858

Natoma KS, N on 290th to Stop Sign, E to 250th,
N to T Intersection, E to 200th, N to Dead End, 1/8 S(Stay Right)
S Into

Database File:	c:\warrior\data\bruce oil_thibault no.2\brucehd.db
Dataset Pathname:	dil/brucstk2
Presentation Format:	cdl
Dataset Creation:	Fri Oct 07 23:24:48 2011
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
1700
1750
1800
1850
1900
1950
2000
2050
2100
2150
-32
-32
-32
-32
-31
-32
-31
-31
-31


2200
2250
2300
2350
2400
2450
2500
2550
2600
2650
2700
-31
-32
-31
-30
-32
-32
-32
-32
-32
-32



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

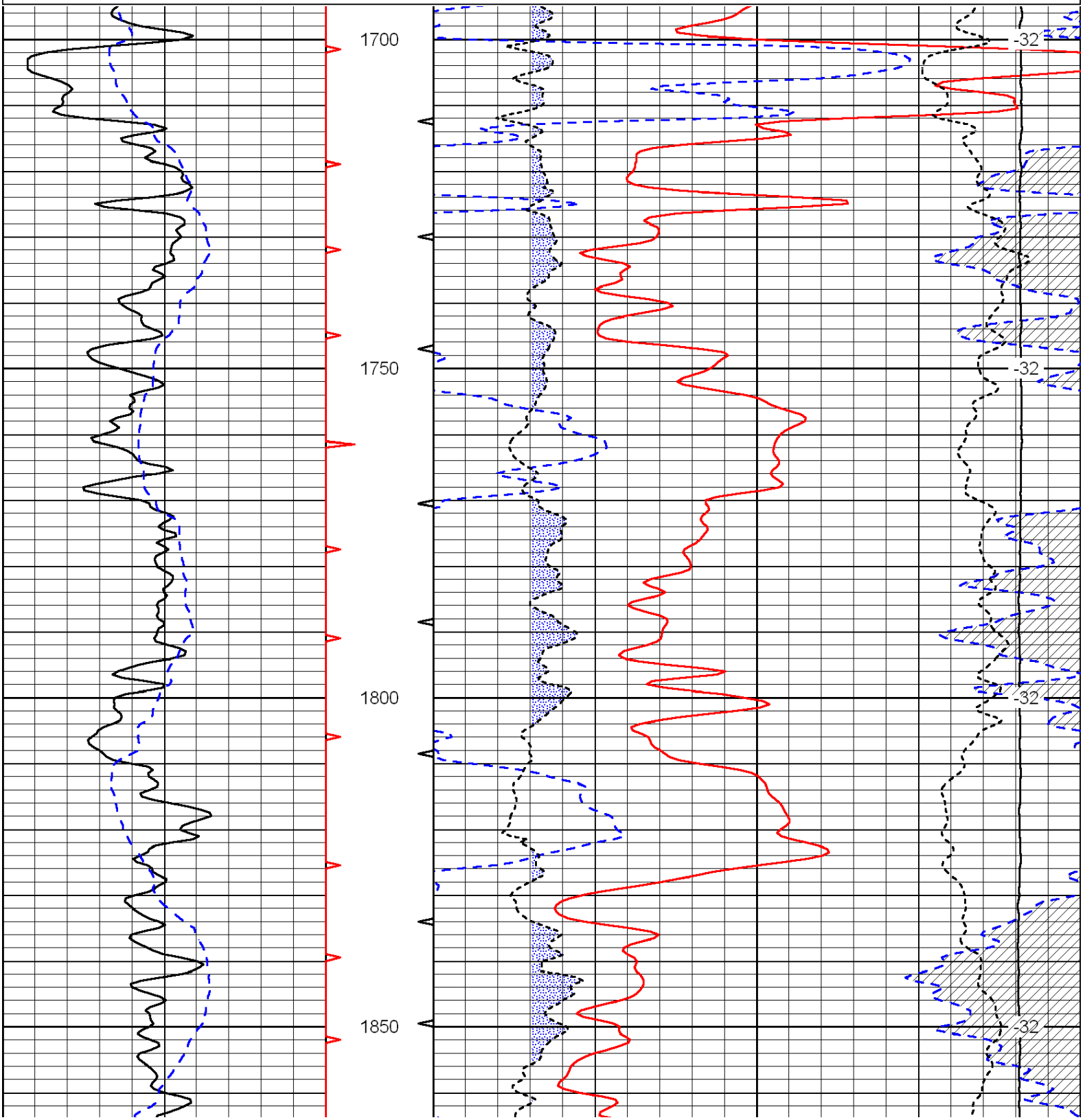
LSPD

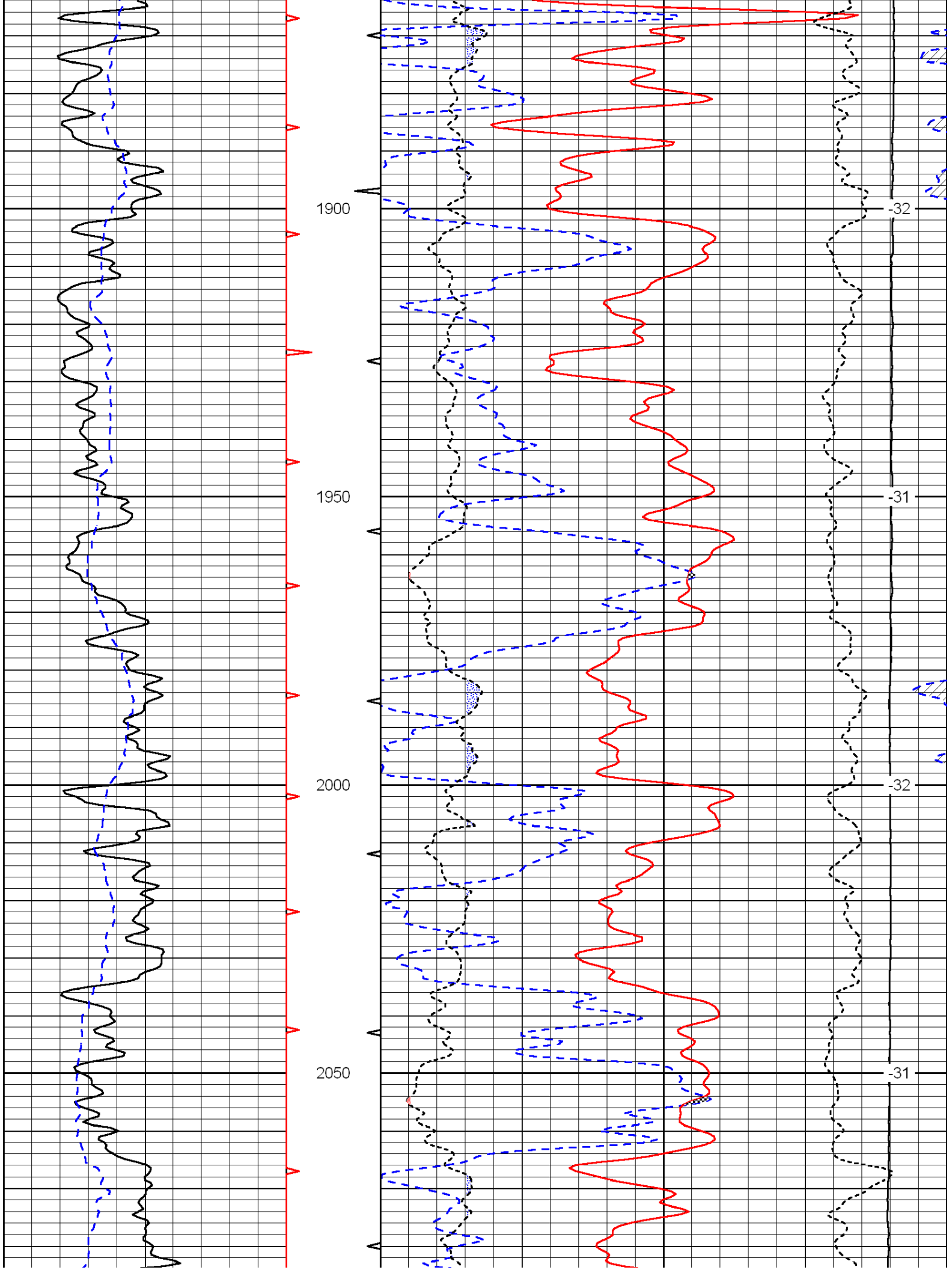
Database File:	c:\warrior\data\bruce oil_thibault no.2\brucehd.db
Dataset Pathname:	dil/brucstk2
Presentation Format:	cndlspec
Dataset Creation:	Fri Oct 07 23:24:48 2011
Charted by:	Depth in Feet scaled 1:240

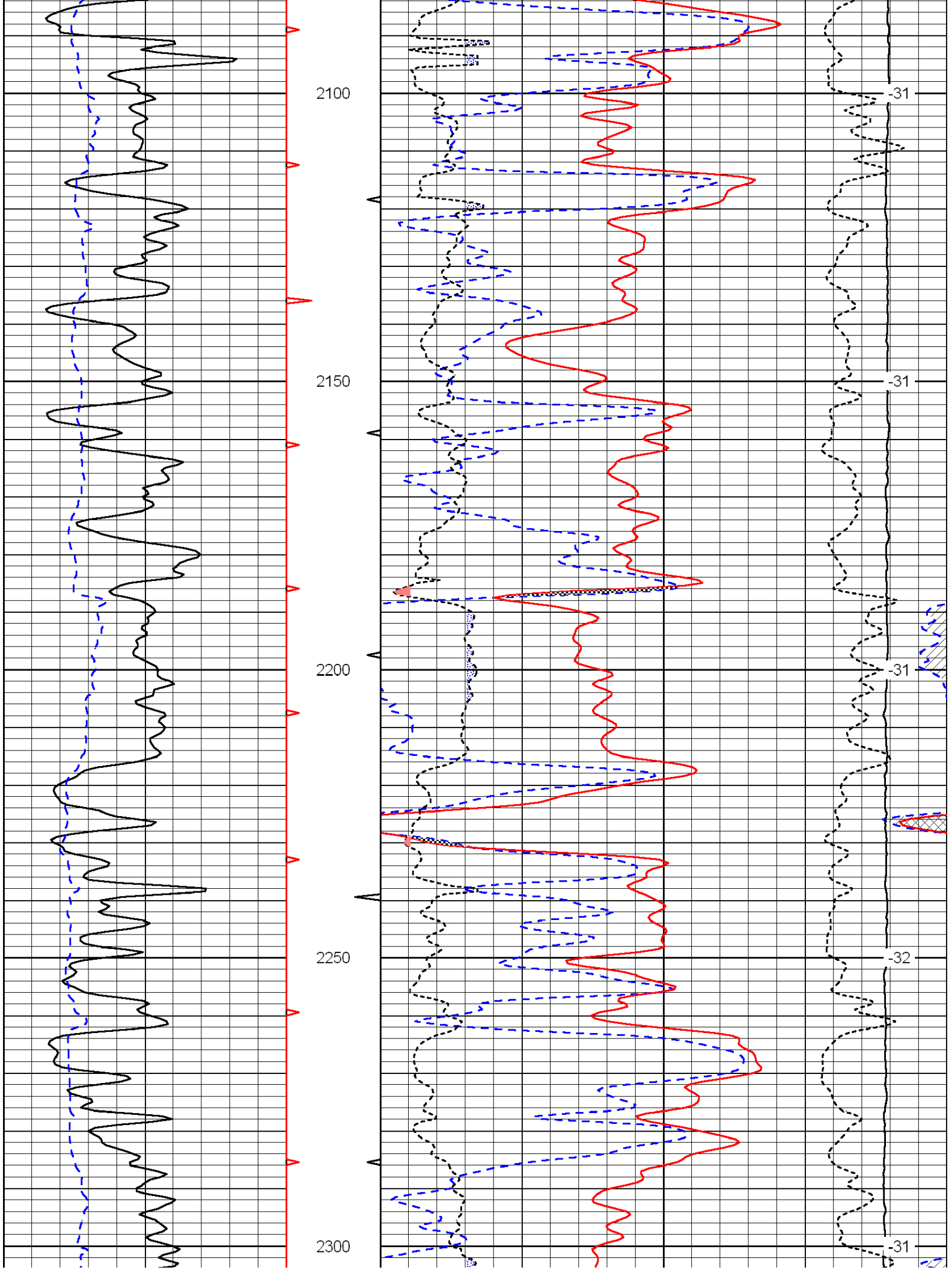
0	Gamma Ray	150
6	Caliper (GAPI)	16

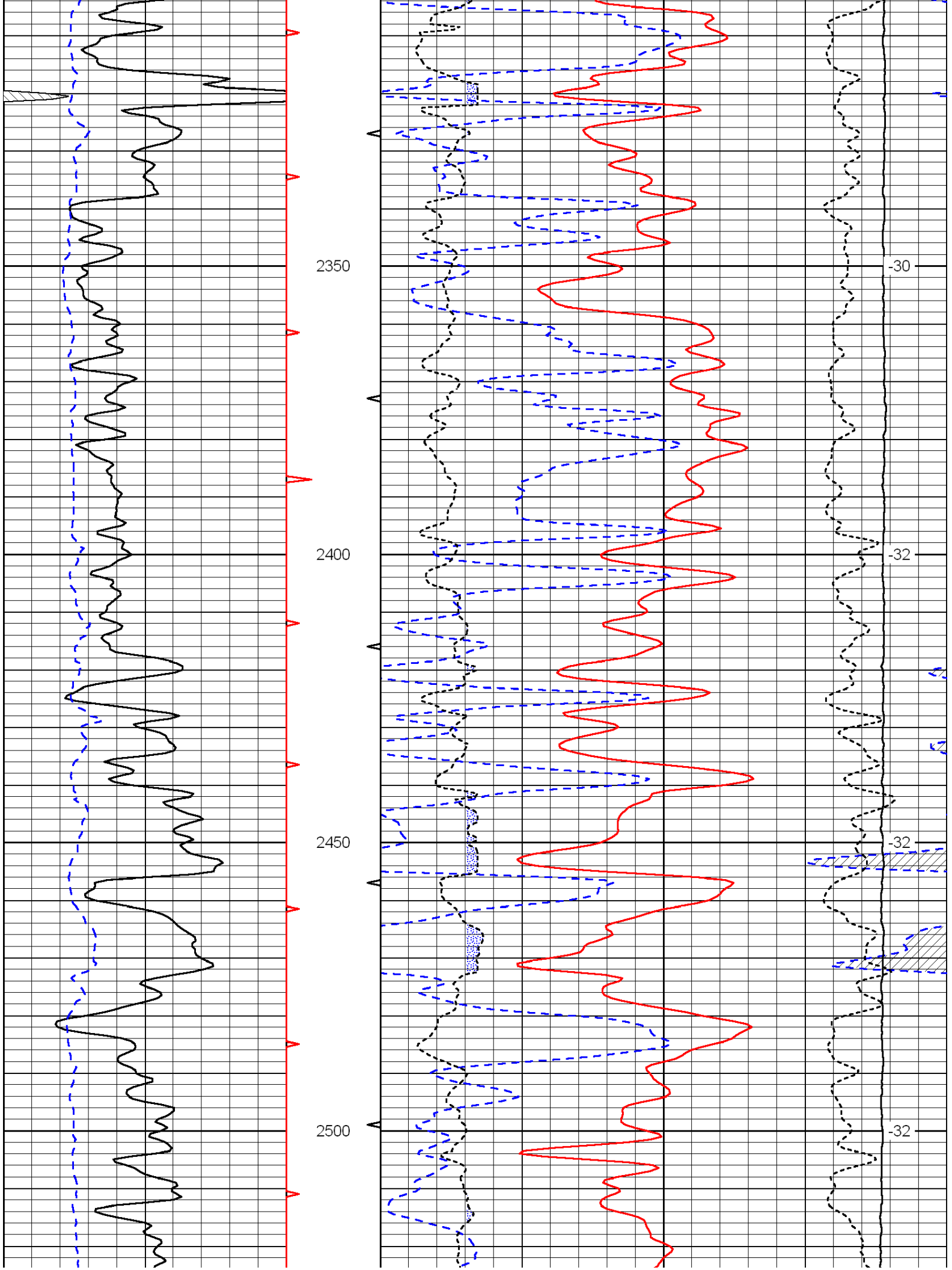
30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

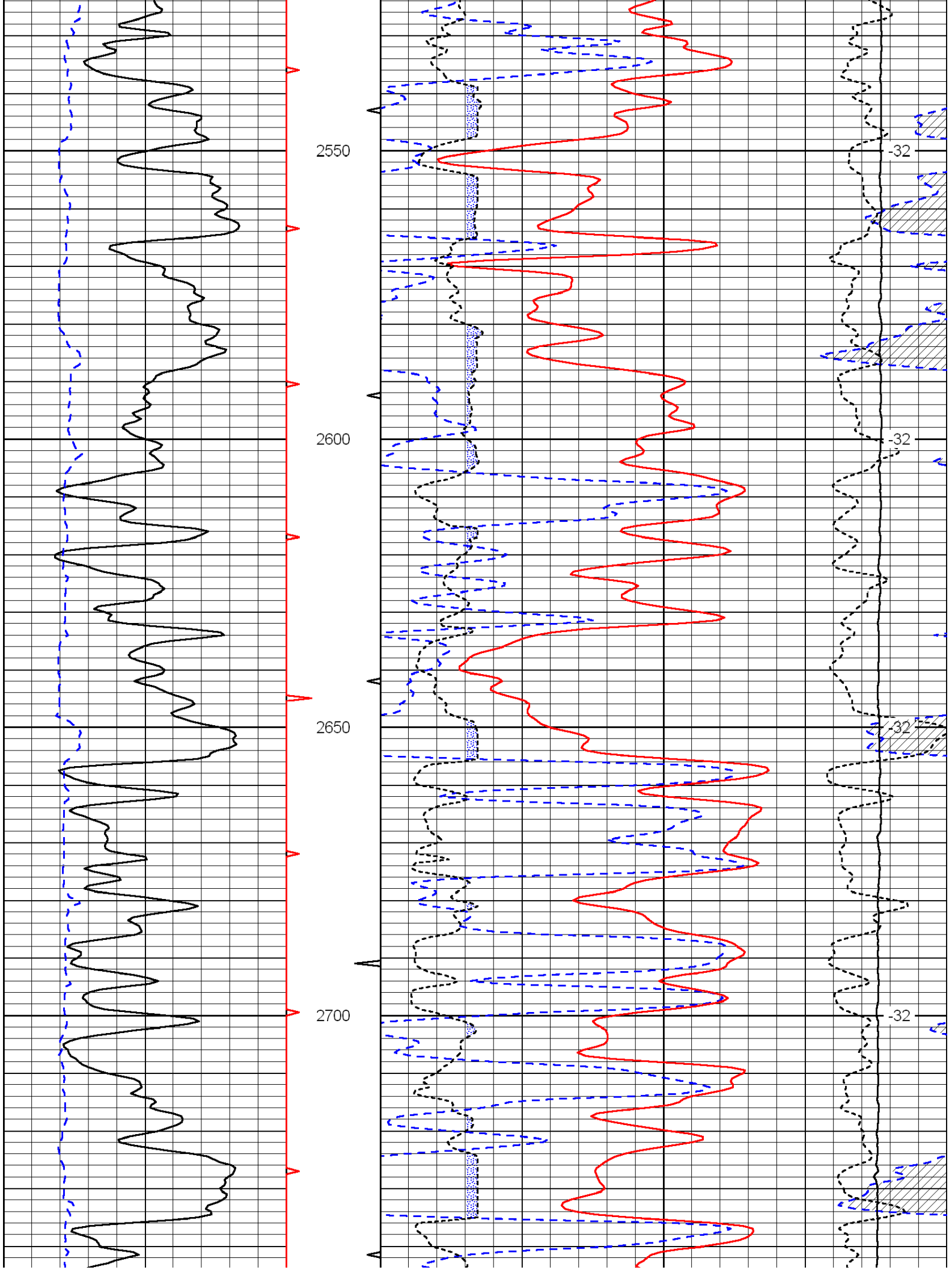
LSPD

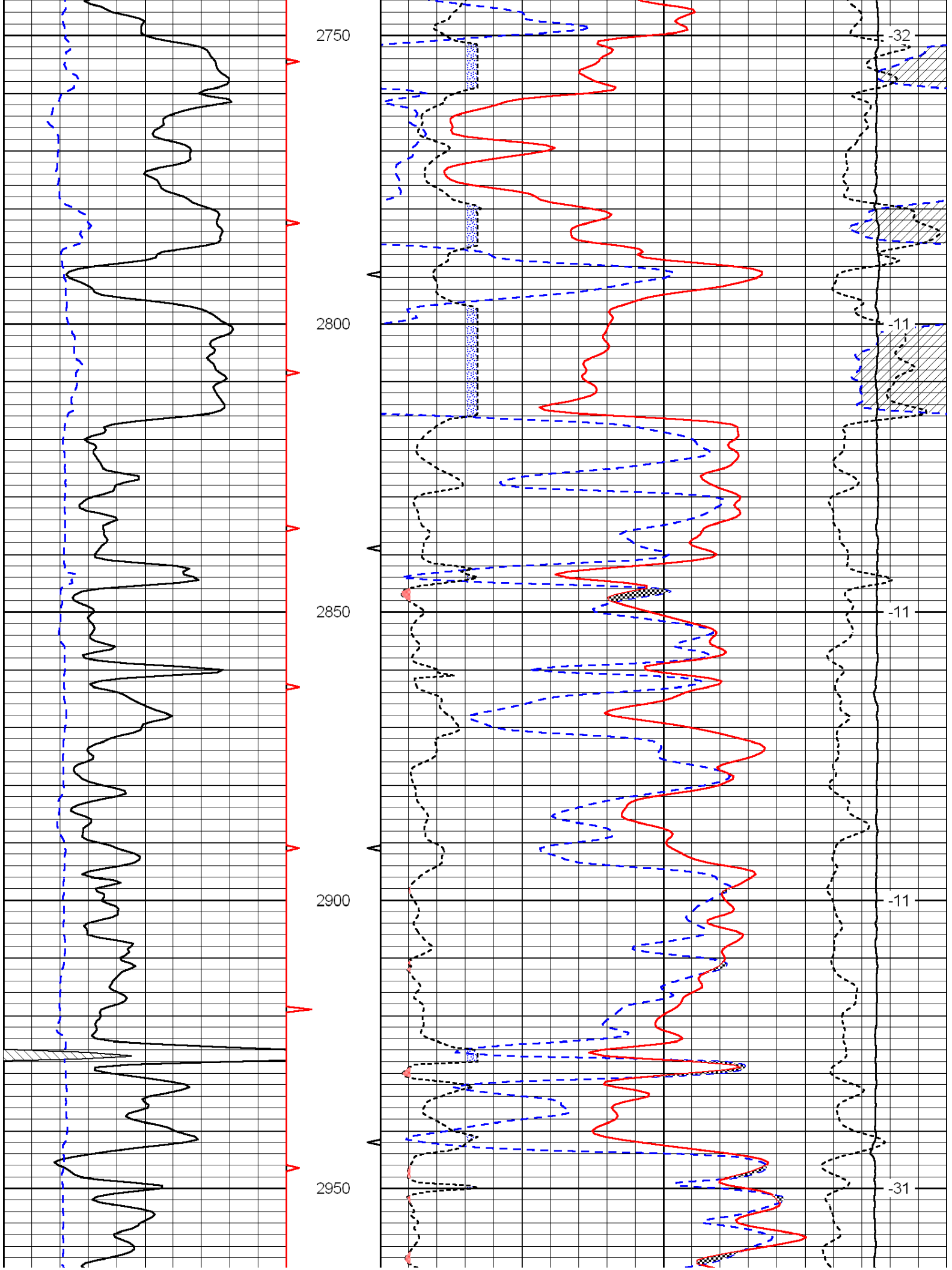


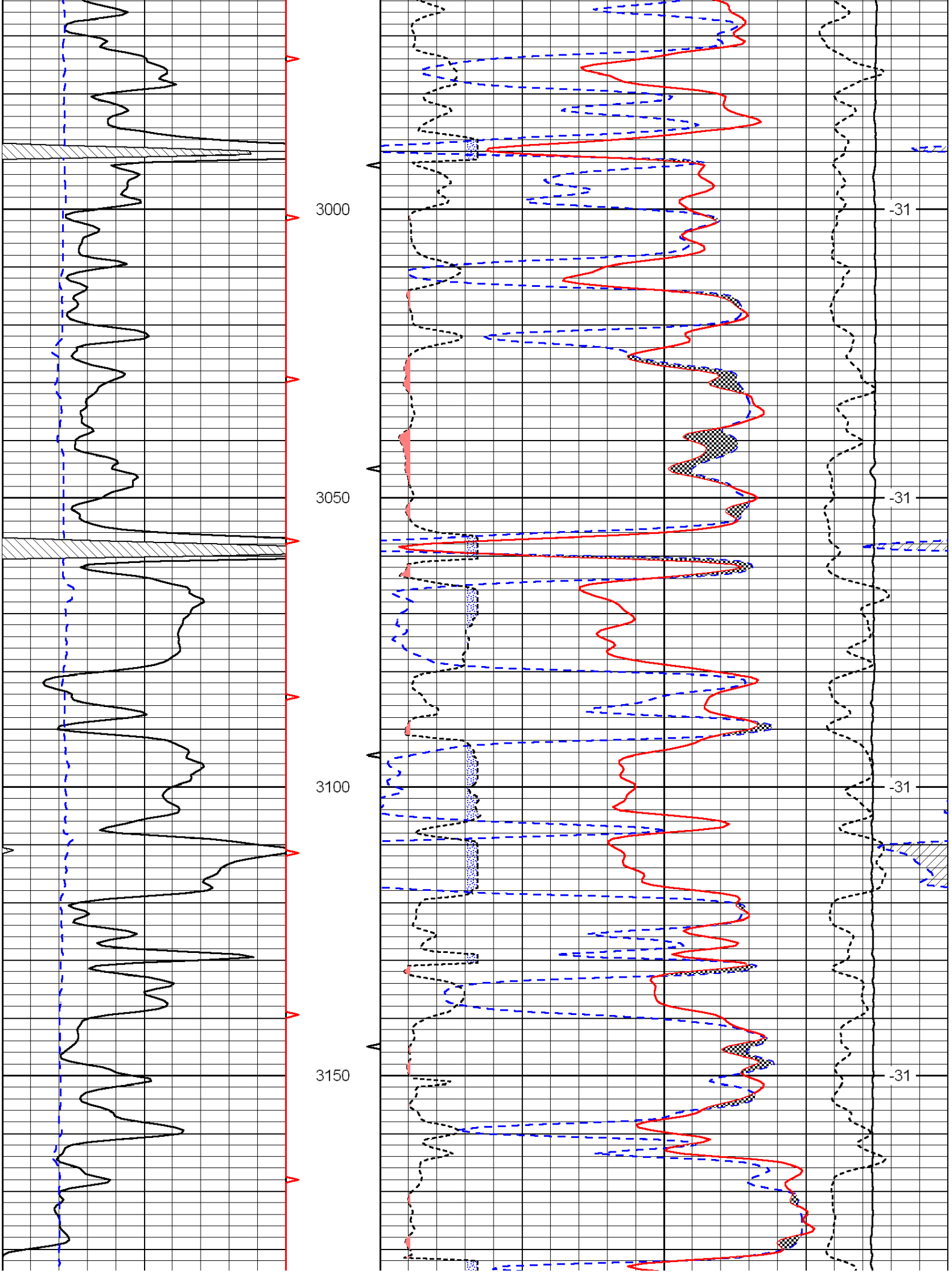

1900
1950
2000
2050
-32
-31
-32
-31

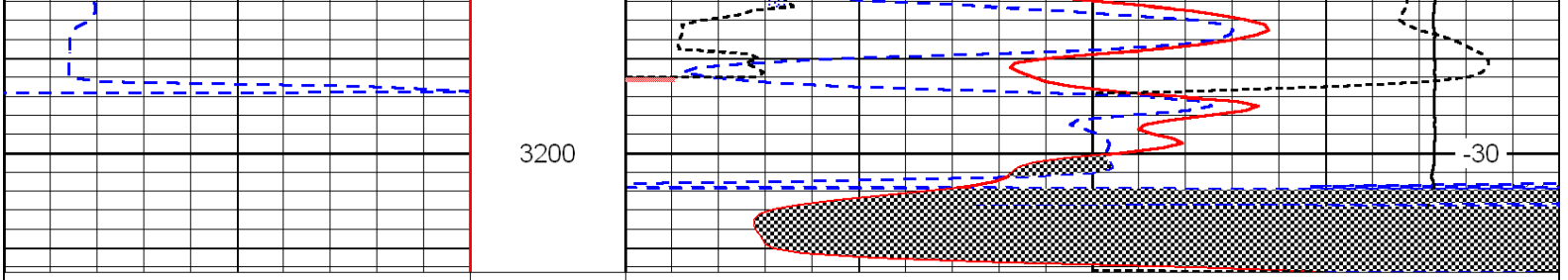

2100
2150
2200
2250
2300
-31
-31
-31
-32
-31


2350
2400
2450
2500
-30
-32
-32
-32


2550
2600
2650
2700
-32
-32
-32


2750
2800
2850
2900
2950
-32
-11
-11
-11
-31


3000
3050
3100
3150
-31
-31
-31
-31



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