PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-147-20732-00-00

Company Bach Oil Production

Well OFB #1

Field Wildcat

County Phillips State Kansas

Location NW NE SE SE
1045' FSL / 400' FEL

Sec: 2 Twp: 1S Rge: 19W

Other Services
DIL/MEL

Elevation
K.B. 2011
D.F.
G.L. 2006

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

Date	1/31/2014
Run Number	Two
Type Log	CNL / CDL
Depth Driller	3478
Depth Logger	3468
Bottom Logged Interval	3467
Top Logged Interval	2850
Type Fluid In Hole	Chemical
Salinity, PPM CL	200
Density	8.8
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	4 Hours
Equipment -- Location	17 Hays
Recorded By	R. Barnhart
Witnessed By	Bob Petersen

Borehole Record

Run No.	Bit	From	To
One	12.25	00	218
Two	7.875	218	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	218

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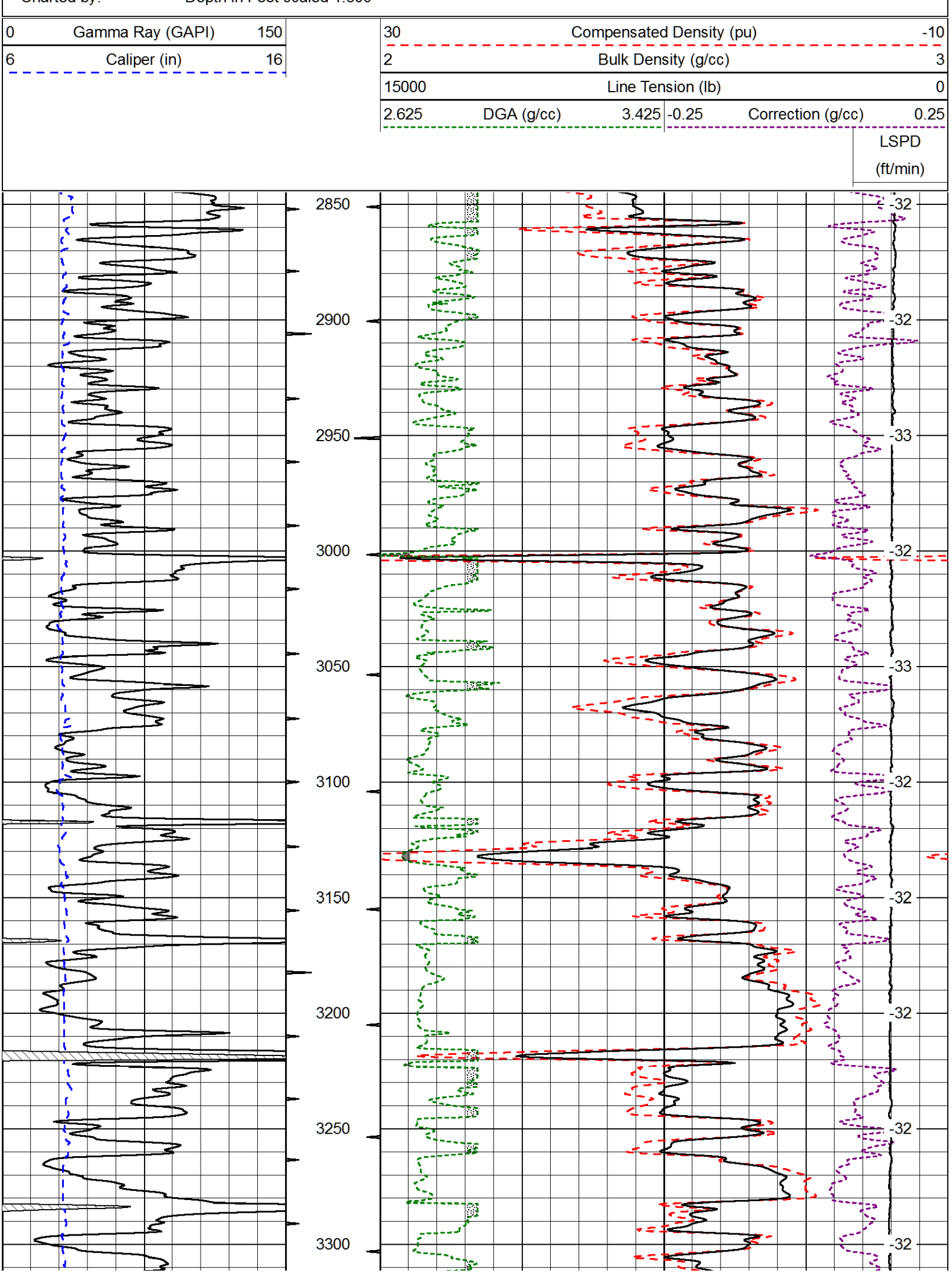
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

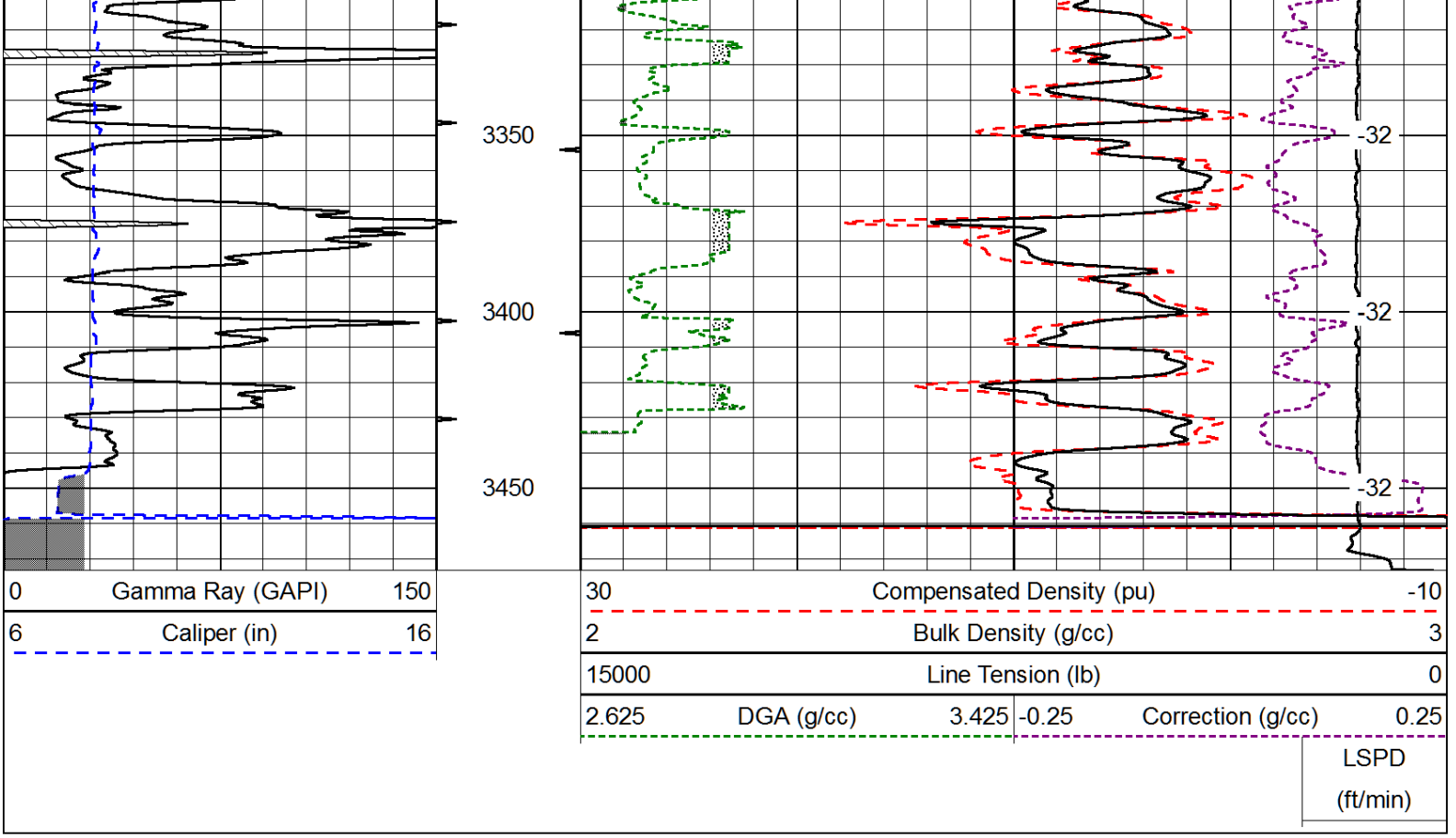
Comments

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

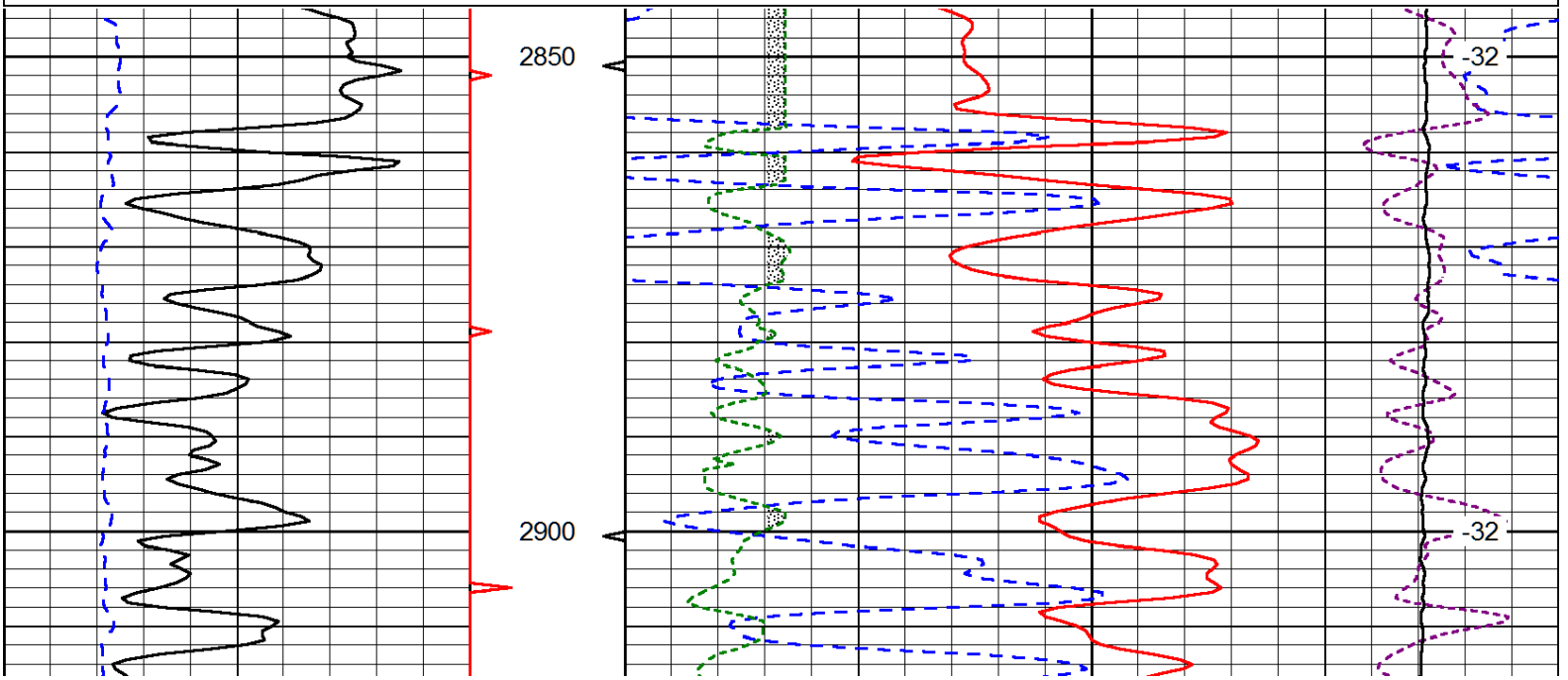
Phillipsburg, KS:
N to Hwy 383: 4W, 1/4S, W into

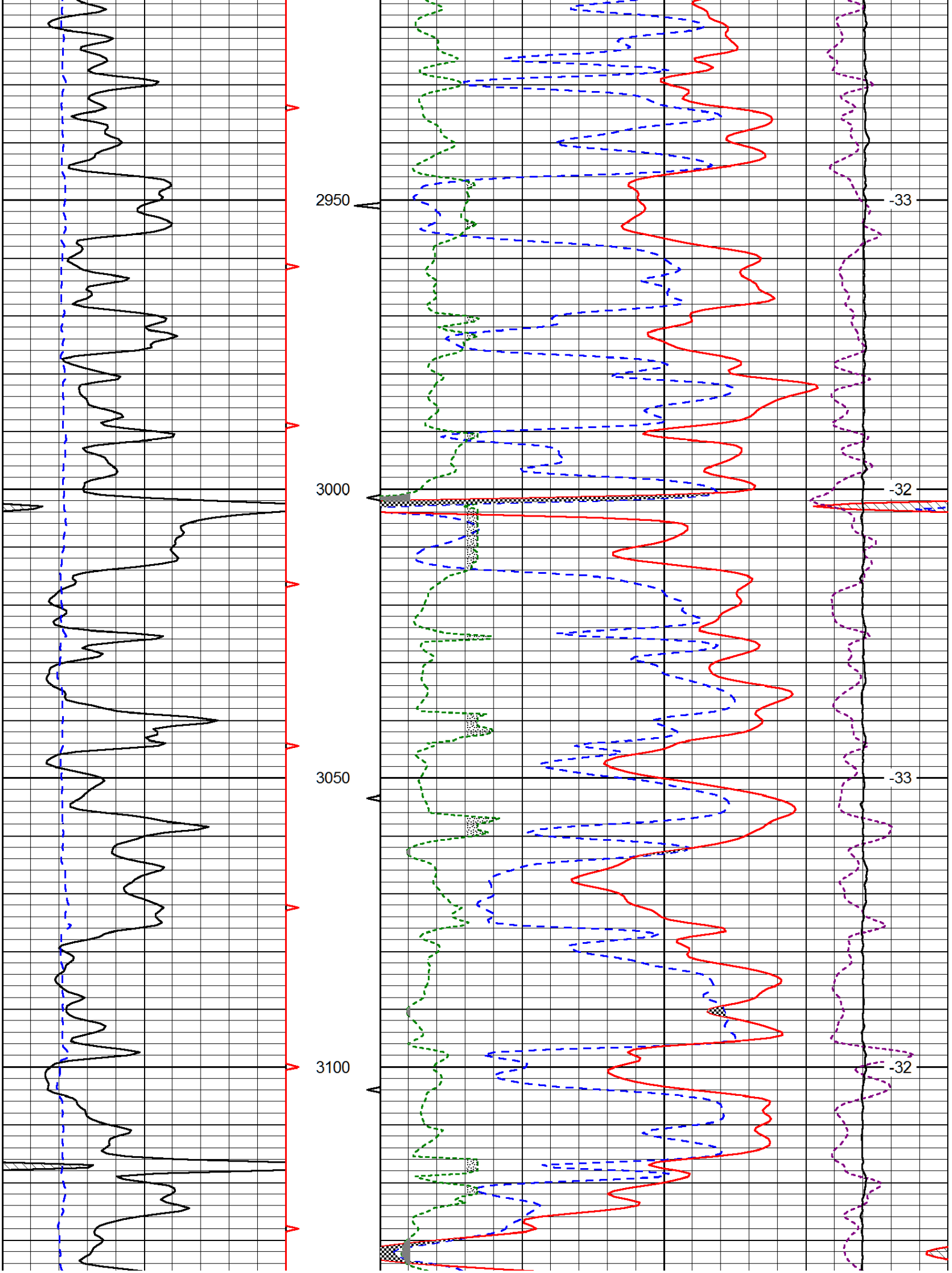
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Presentation Format:	cdl
Dataset Creation:	Fri Jan 31 22:10:59 2014
Charted by:	Depth in Feet scaled 1:600

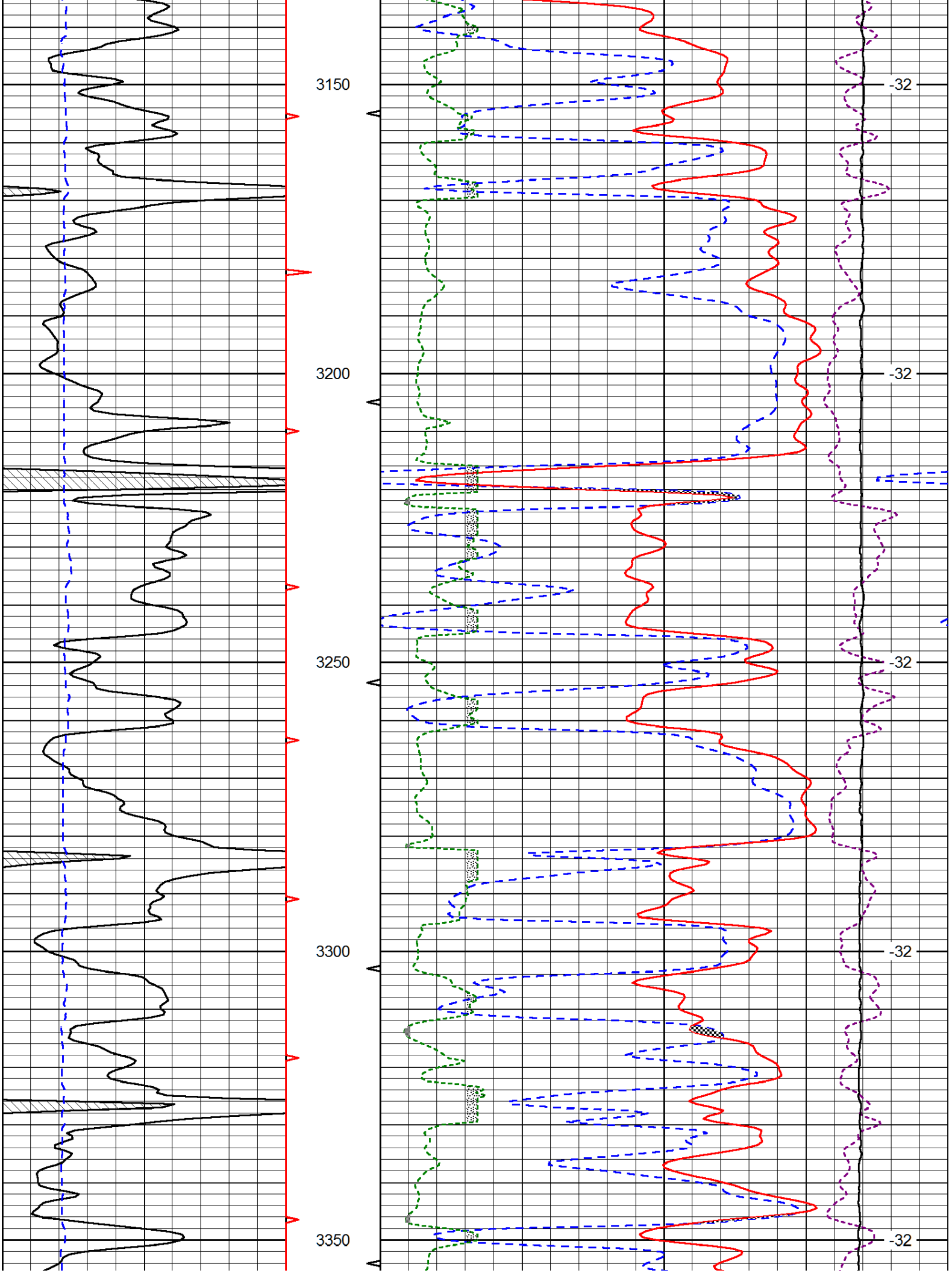

0 Gamma Ray (GAPI) 150
6 Caliper (in) 16
30 Compensated Density (pu) -10
2 Bulk Density (g/cc) 3
15000 Line Tension (lb) 0
2.625 DGA (g/cc) 3.425
-0.25 Correction (g/cc) 0.25
LSPD
(ft/min)
2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
-32
-32
-33
-32
-33
-32
-32
-32
-32
-32

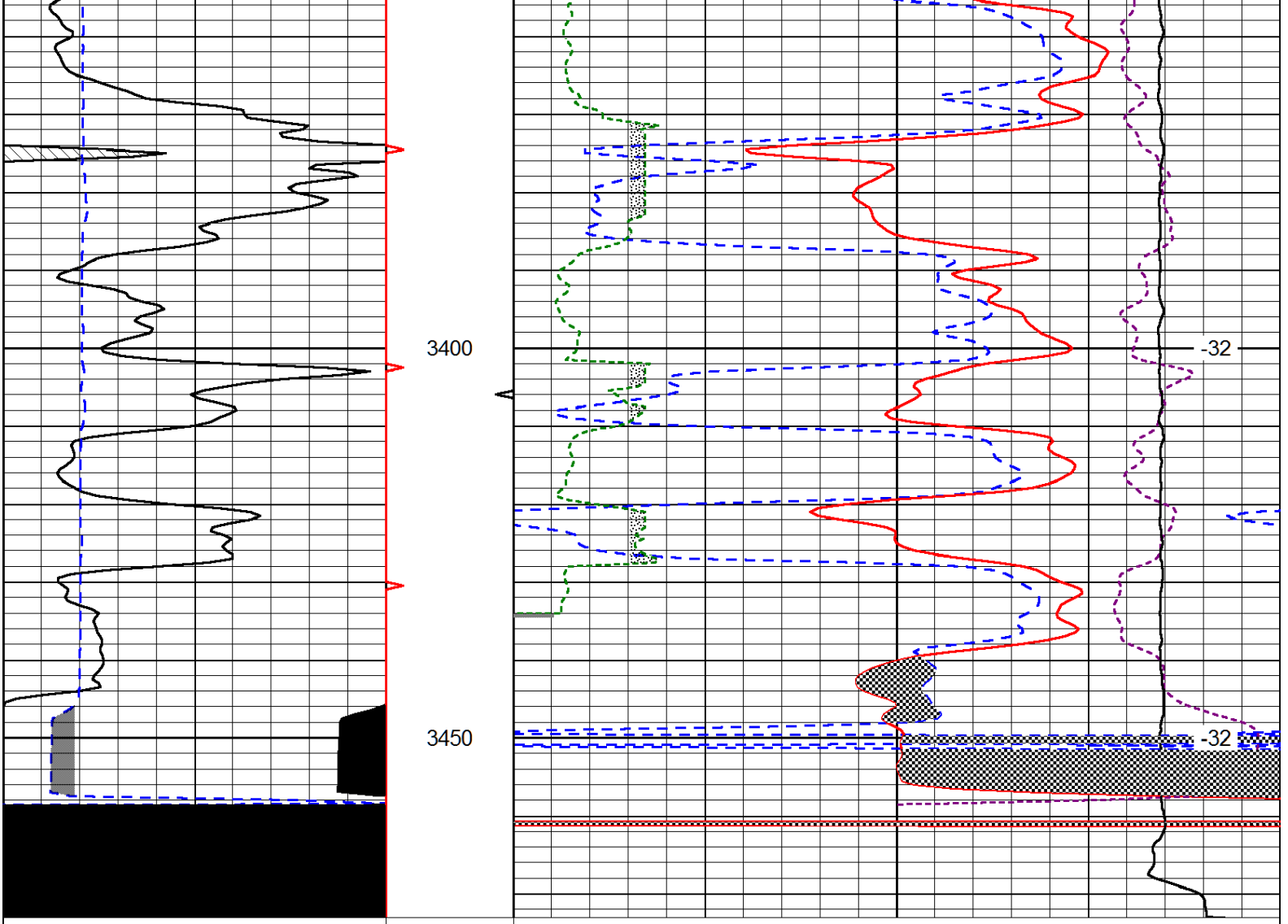


Database File: bach_hd.db
Dataset Pathname: mel/bchmain
Presentation Format: cndlspec
Dataset Creation: Fri Jan 31 22:10:59 2014
Charted by: Depth in Feet scaled 1:240




2950
3000
3050
3100
-33
-32
-33
-32


3150
3200
3250
3300
3350
-32
-32
-32
-32
-32



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

30	CNPOR (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)