



Pioneer Energy Services

Dual Compensated Porosity Log

Company Prospect Oil & Gas Corp.
Well Big Canyons Ranch # 1
Field Machin
County Russell **State** Kansas
Location 1090' FNL & 505' FWL
Other Services DIL/MEI

API No. 15-167-23929-00-00
Sec: 4 **Twp:** 13 S **Rge:** 14 W

Permanent Datum Ground Level **Elevation** 1779
Log Measured From Kelly Bushing **7 Ft. Above Perm. Datum**
Drilling Measured From Kelly Bushing
Elevation K.B. 1786
D.F. 1779
G.L. 1779

Date	12-30-2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	3320
Depth Logger	3319
Bottom Logged Interval	3298
Top Logged Interval	2600
Type Fluid In Hole	Chemical
Salinity, PPM CL	2000
Density	9.0
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	3 1/2 Hours
Equipment -- Location	91 Hays
Recorded By	Y. Ruiz
Witnessed By	Brad Hutchison

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	231	8.625	23#	00	231
Two	7.875	231	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.

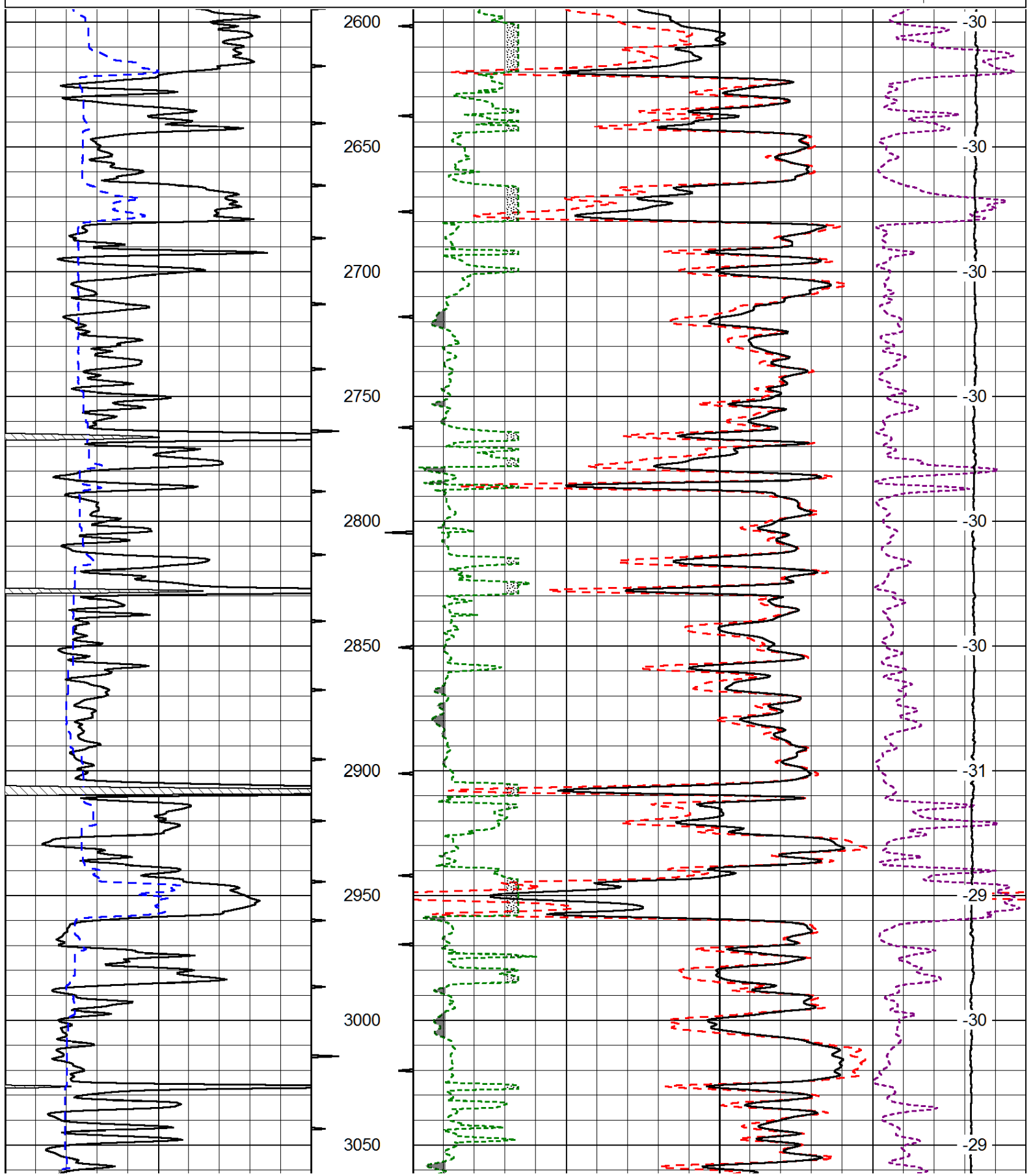
Comments

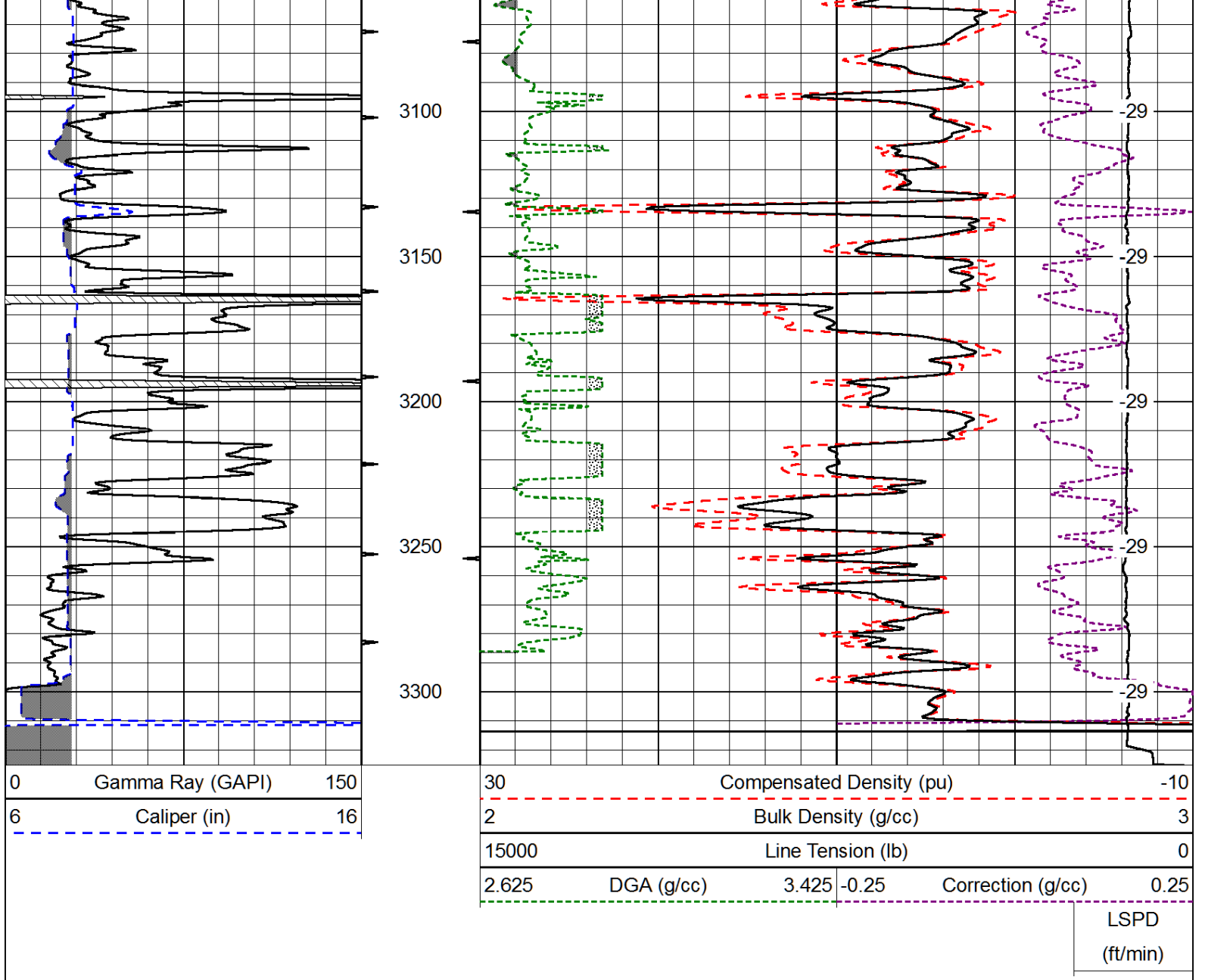
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Russell,
 North to Shoreline Rd, 1 1/2 West to 183 Rd,
 1 North, 1/2 west, 1 1/2 North,
 East into

Database File: prospect_123013hd.db
 Dataset Pathname: DIL/@00000e60
 Presentation Format: cdl
 Dataset Creation: Mon Dec 30 13:25:32 2013
 Charted by: Depth in Feet scaled 1:600

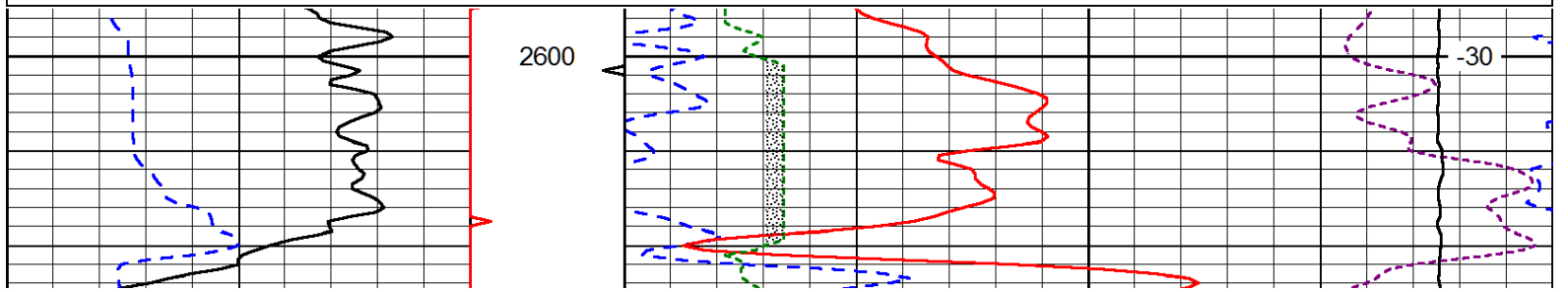
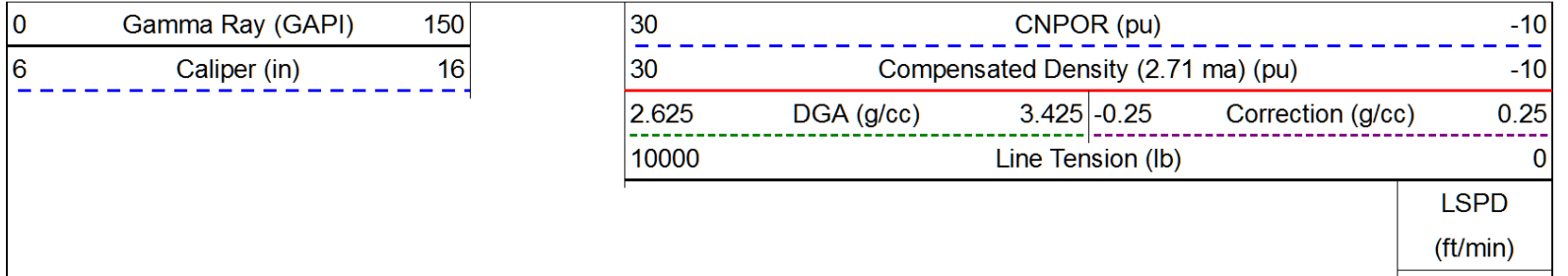
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

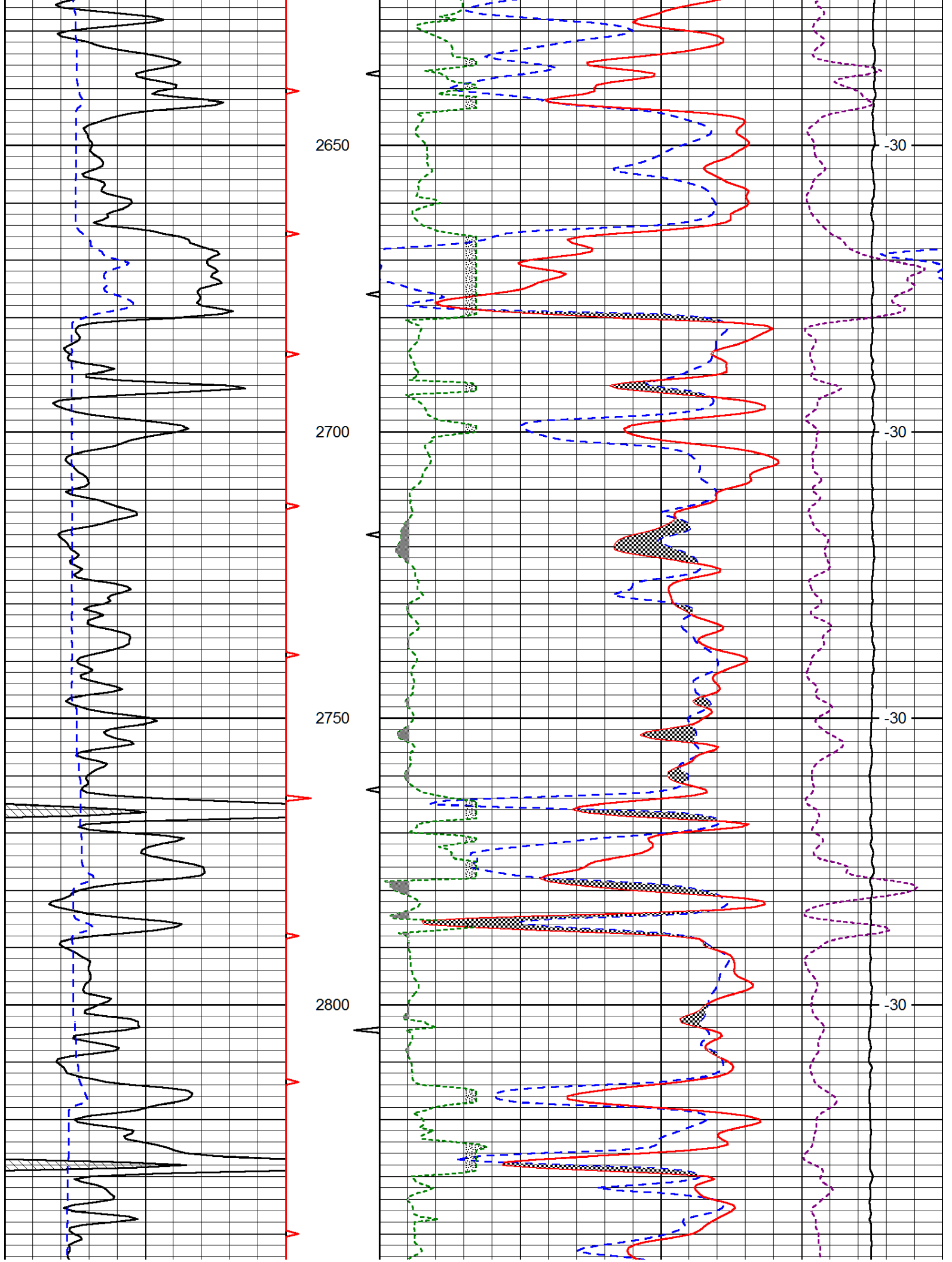
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD (ft/min)		

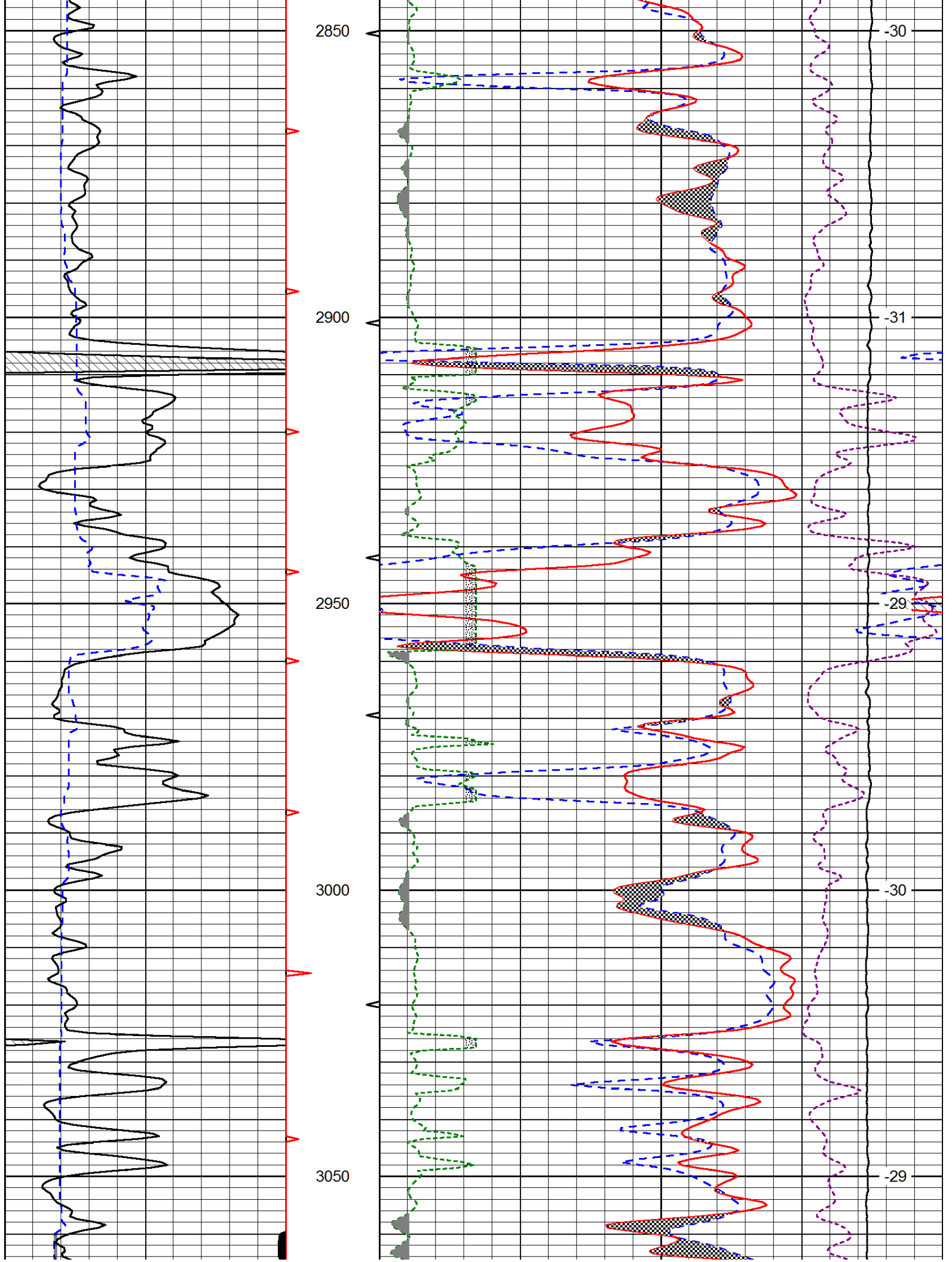


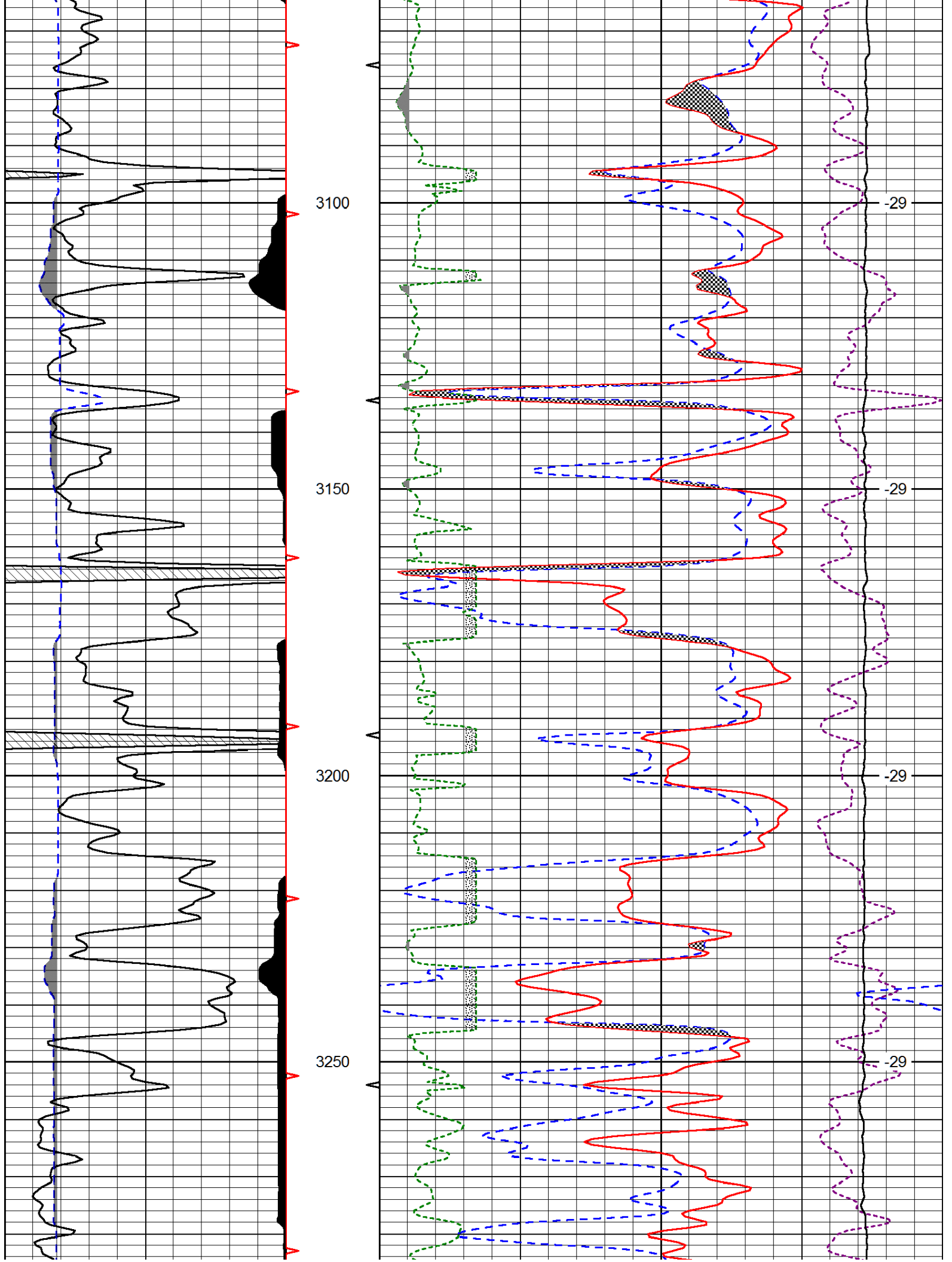


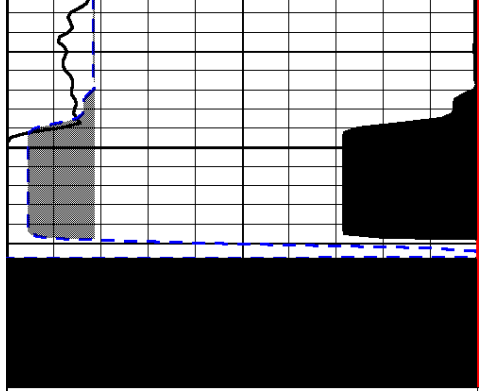
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 Presentation Format: cndlspec
 Dataset Creation: Mon Dec 30 13:25:32 2013
 Charted by: Depth in Feet scaled 1:240



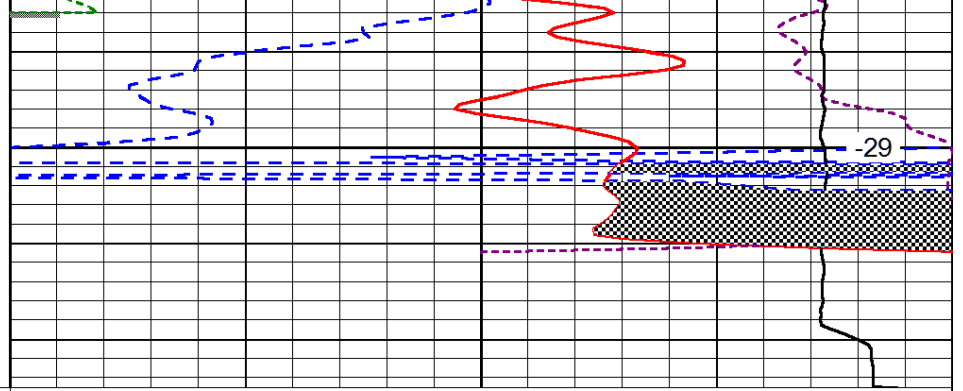








3300



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)