PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-051-26,738-00-00

Company TDI

Well George No. 2

Field Unnamed

County Ellis State Kansas

Location 1500' FNL & 330' FWL

Sec: 18 Twp: 12s Rge: 18w

Permanent Datum Ground Level Elevation 2175

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services: DIL/MEL

Elevation: K.B. 2185, D.F. , G.L. 2175

Date	10/22/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	3900
Depth Logger	3901
Bottom Logged Interval	3880
Top Logged Interval	2550
Type Fluid In Hole	Chemical
Salinity, PPM CL	2600
Density	9.4
Level	Full
Max. Rec. Temp. F	115
Operating Rig Time	4 Hours
Equipment -- Location	108 Hays
Recorded By	D. Fischer
Witnessed By	Tom Denning

Borehole Record

Run No.	Bit	From	To
One	12.25	00	221
Two	7.875	221	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	221

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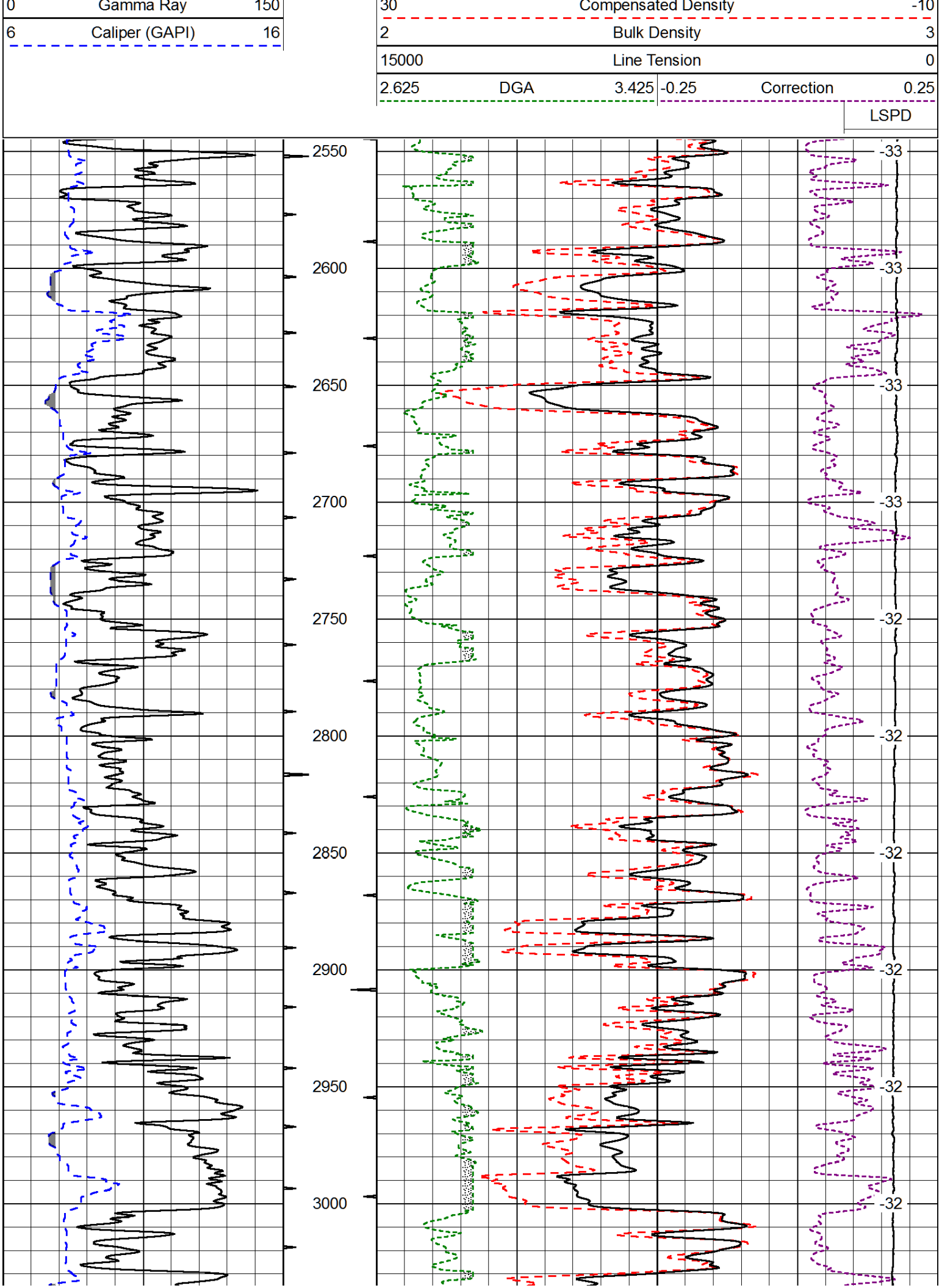
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

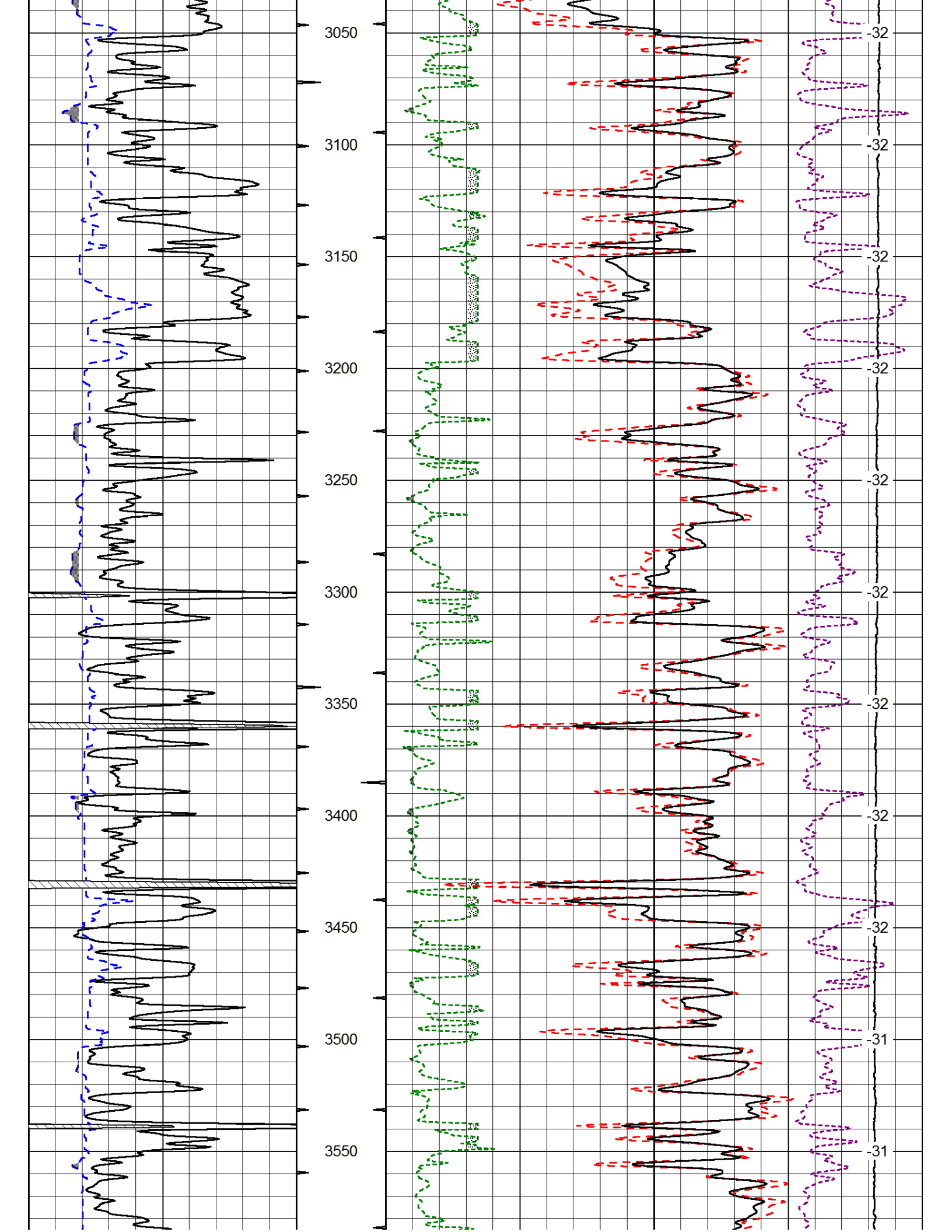
Comments

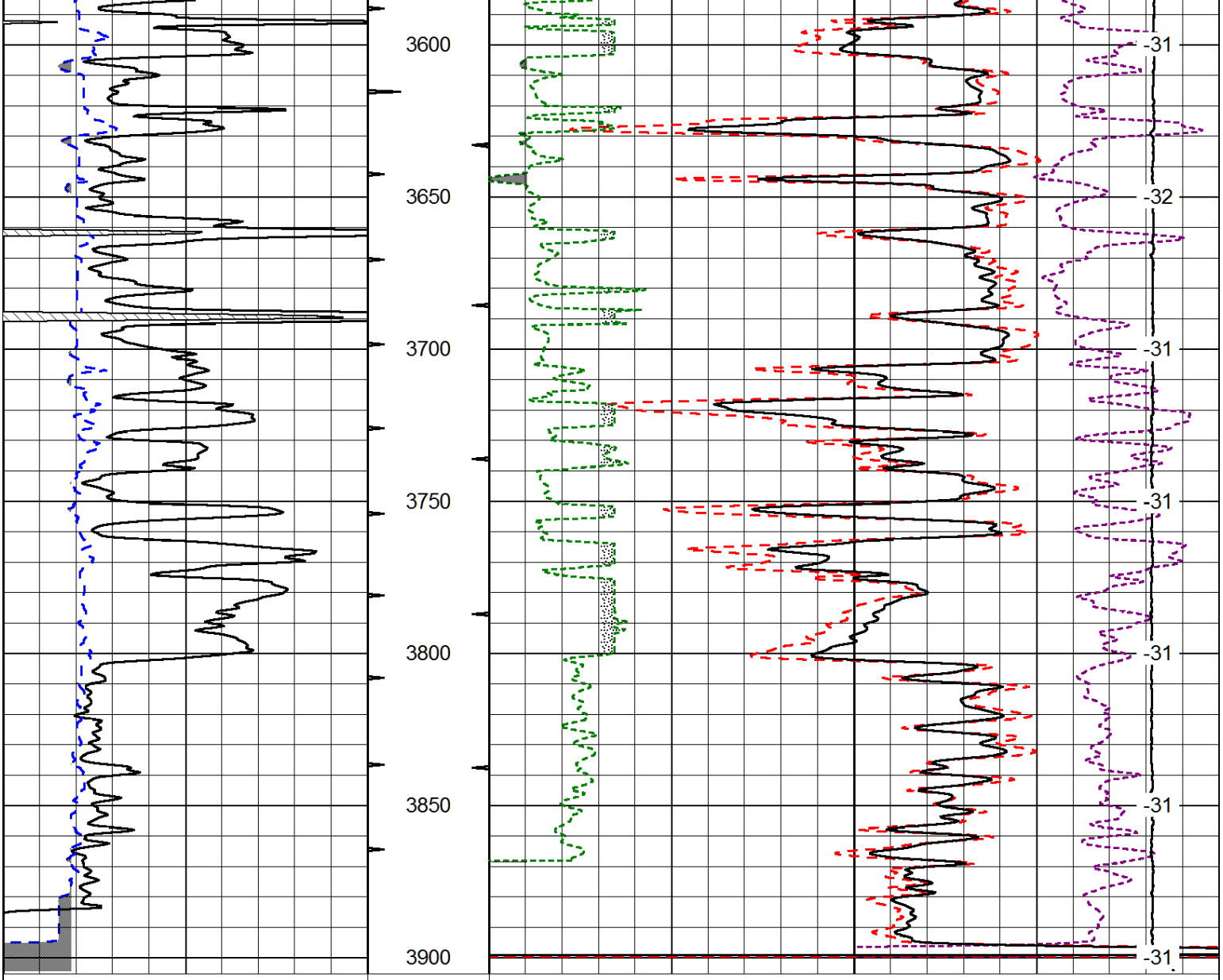
Thank you for using Log-Tech, Inc.
(785) 625-3858

Hays Ks., North to Buckeye, 3 1/4 West, 1/4 North, East Into.

Database File: tdi_george_2hd.db
Dataset Pathname: DIL/tdistck
Presentation Format: cdl
Dataset Creation: Wed Oct 22 13:51:19 2014
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
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000
-33
-33
-33
-32
-32
-32
-32
-32


3050
3100
3150
3200
3250
3300
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-31



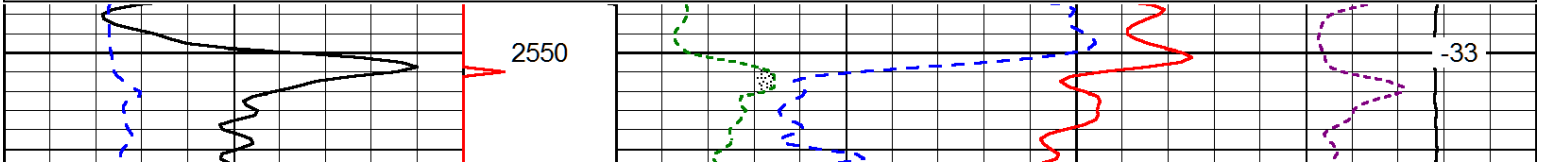
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6	Caliper (GAPI)	16

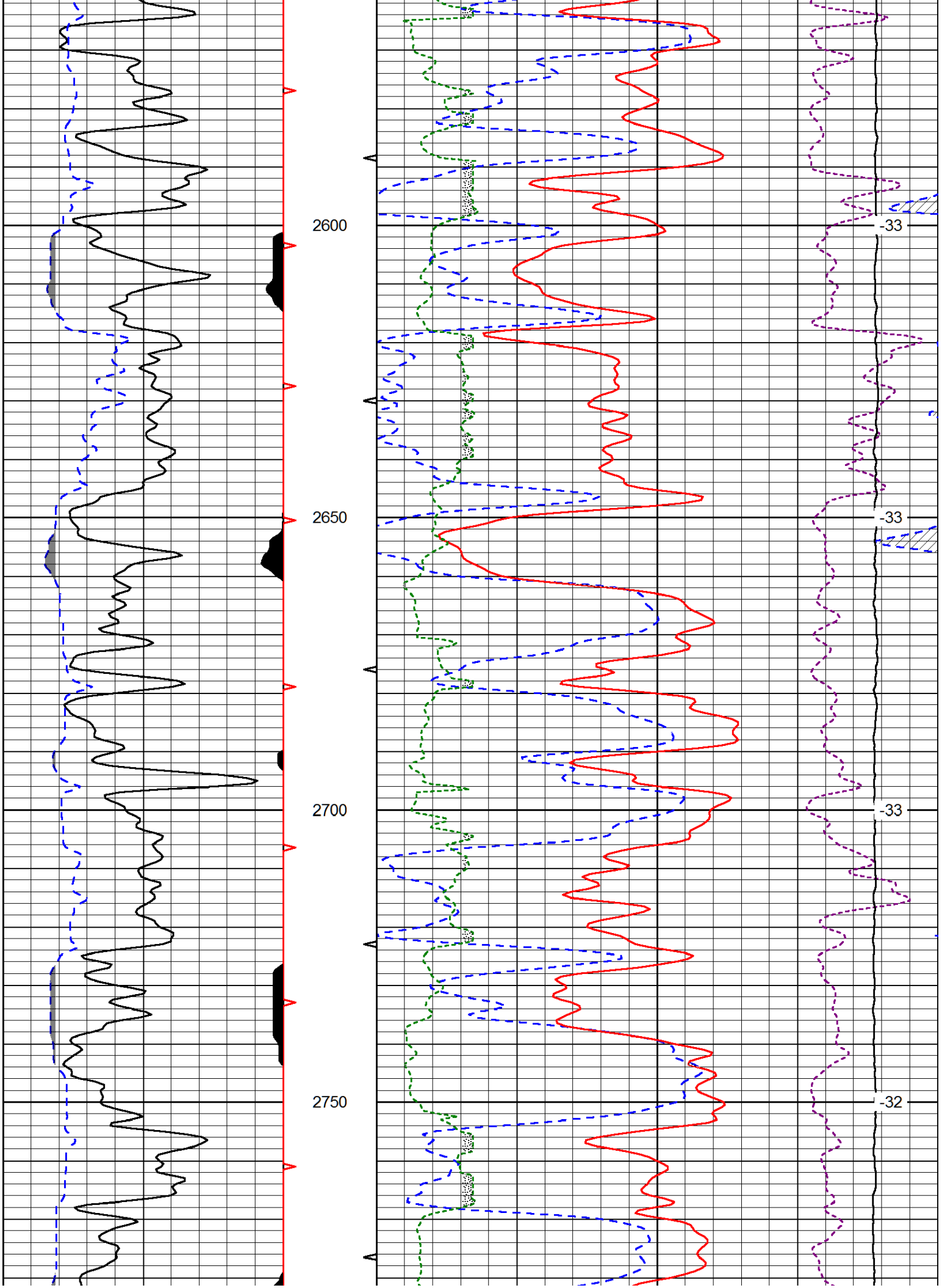
30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

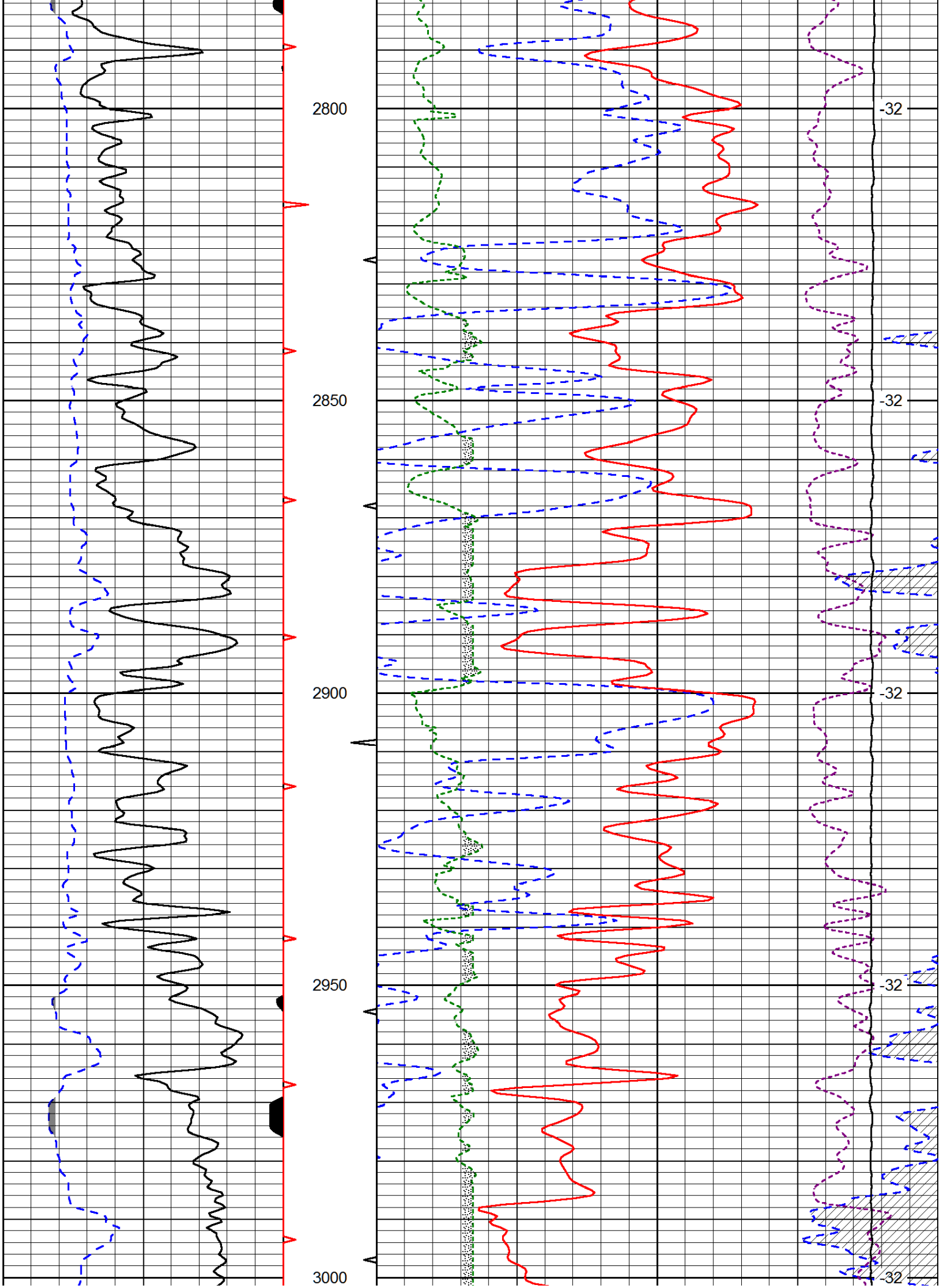
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Presentation Format:	cndlspec
Dataset Creation:	Wed Oct 22 13:51:19 2014
Charted by:	Depth in Feet scaled 1:240

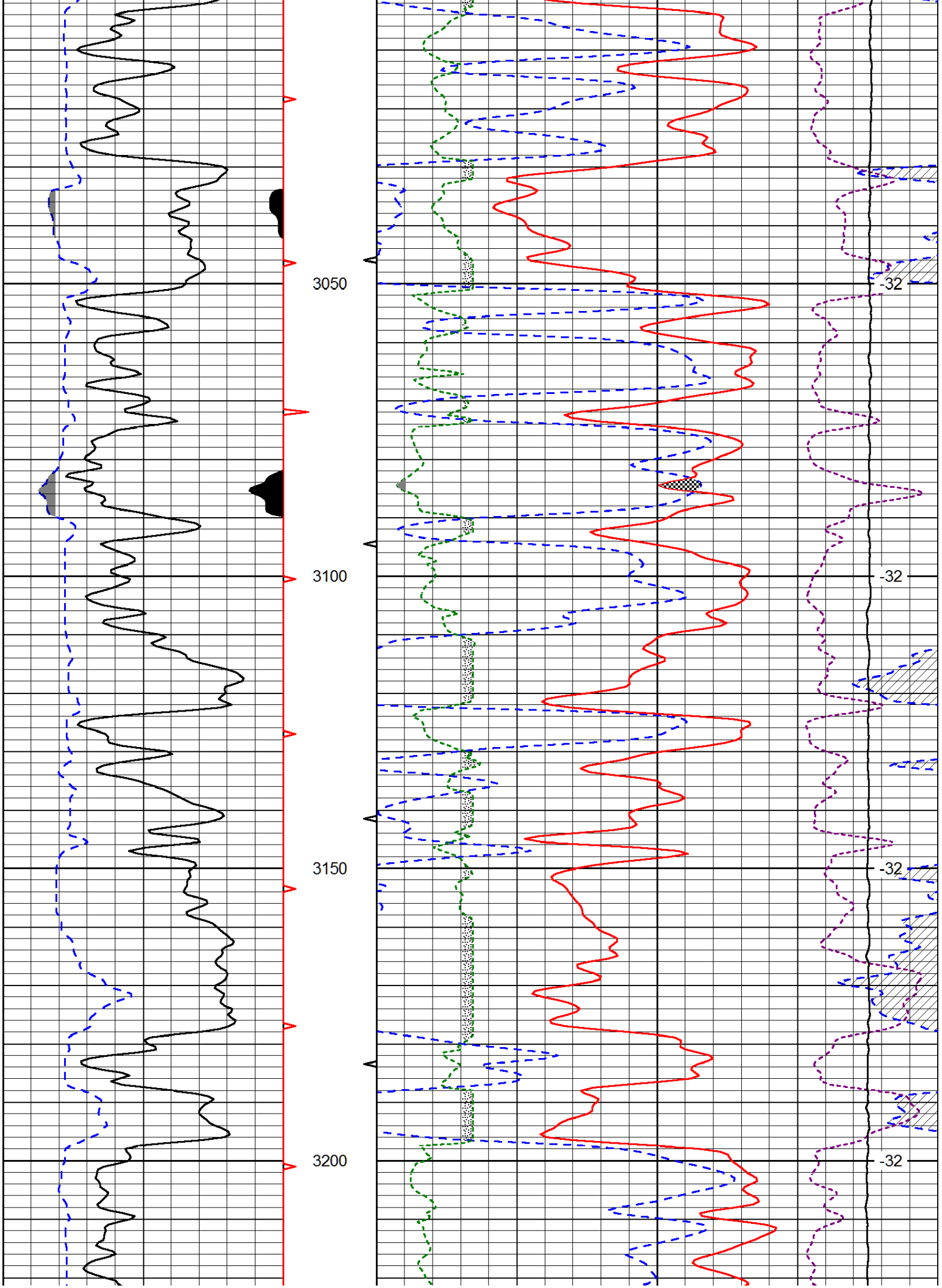
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6	Caliper (GAPI)	16

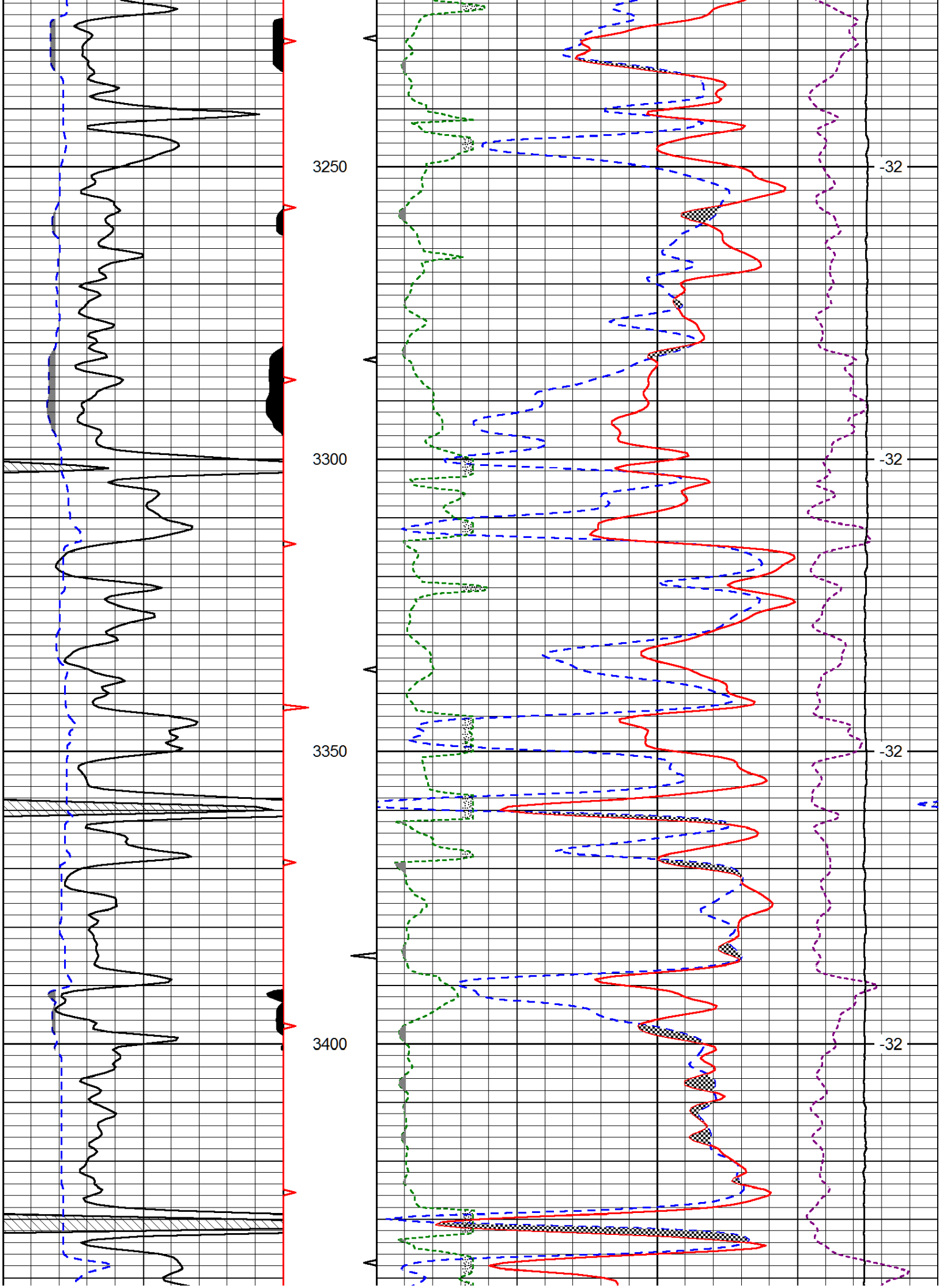
30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0
					LSPD

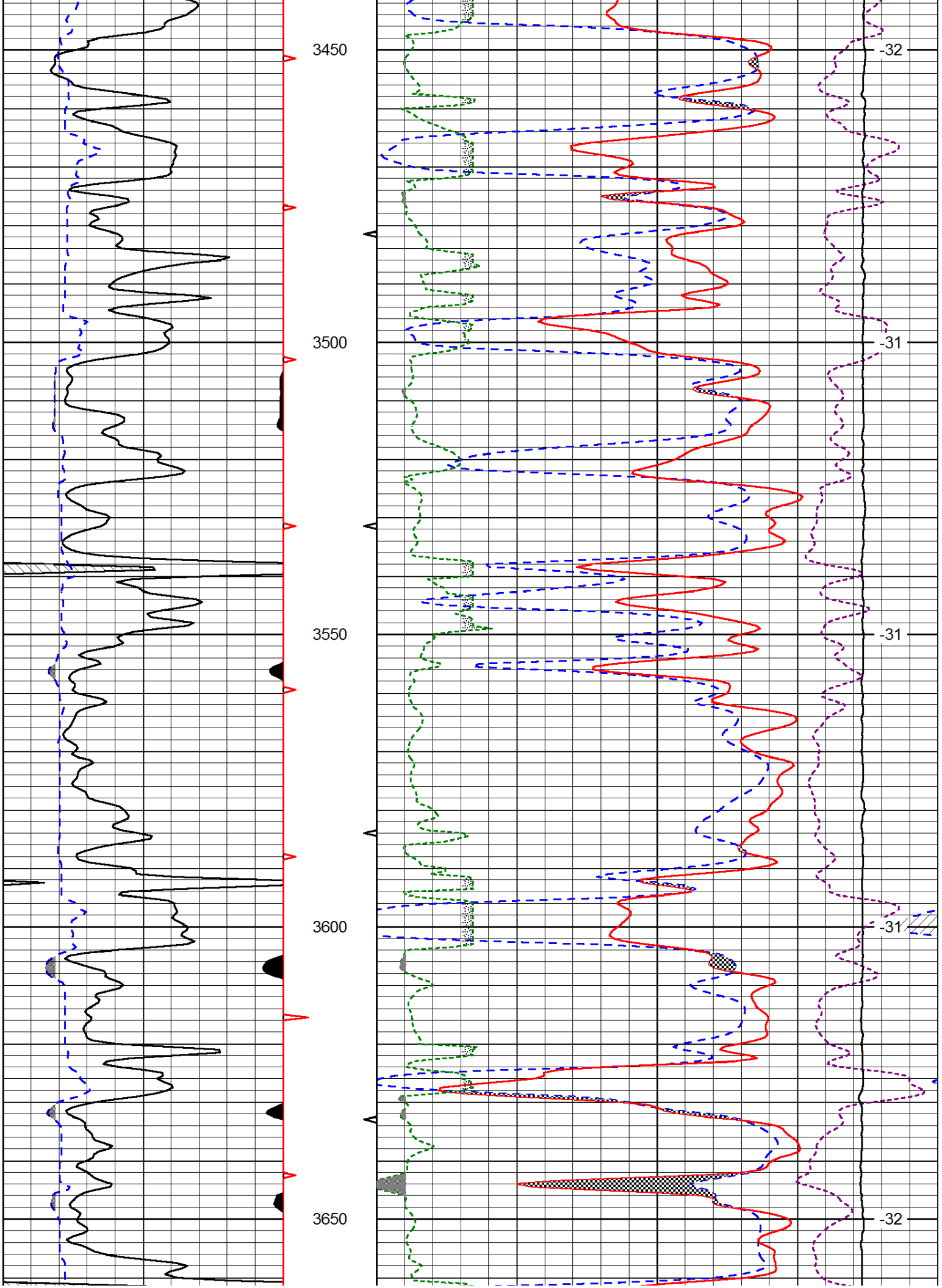


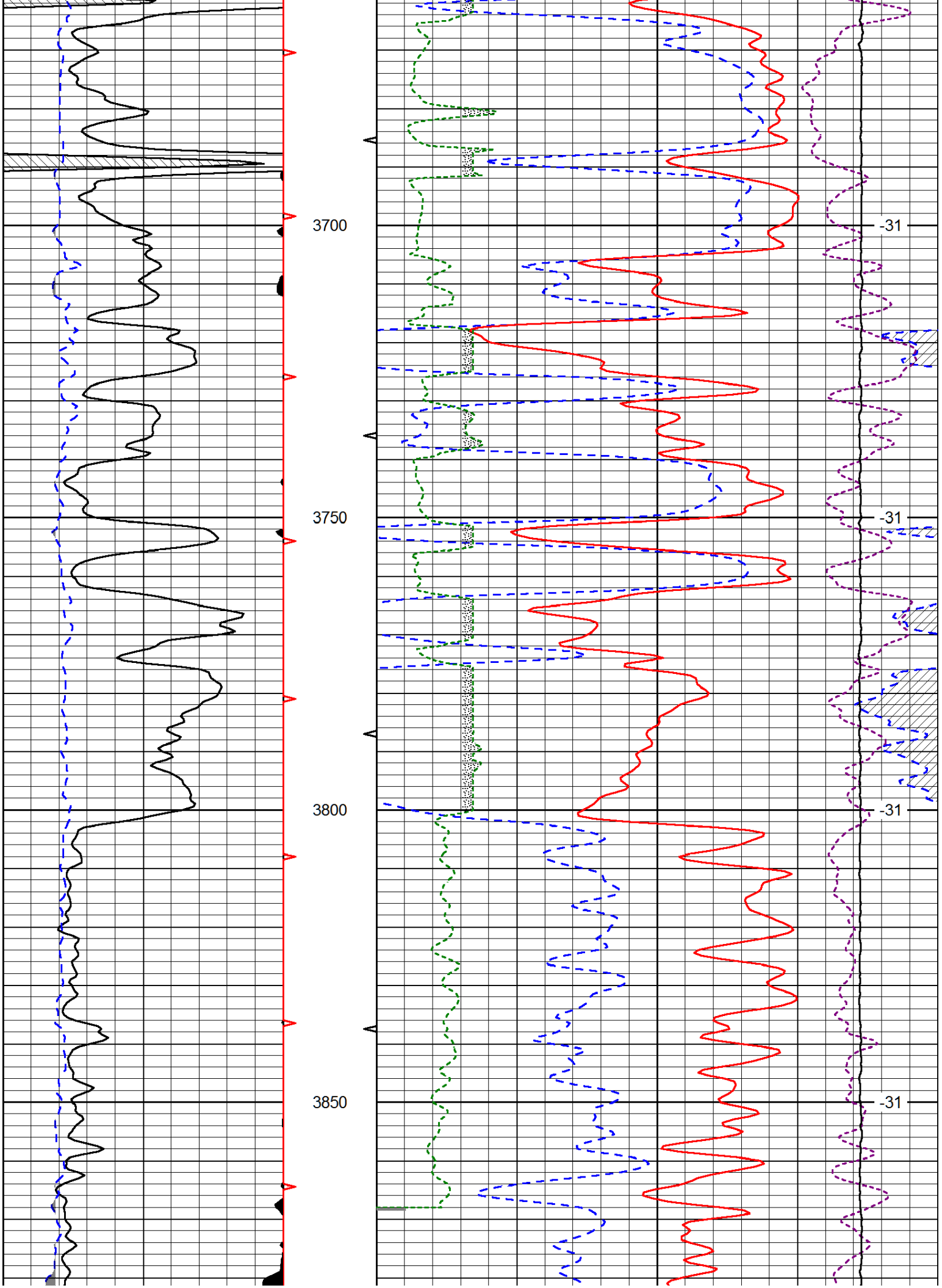

2600
2650
2700
2750
-33
-33
-33
-32

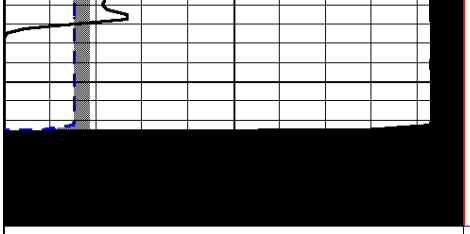

2800
2850
2900
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3000
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-32
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3150
3200
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-32

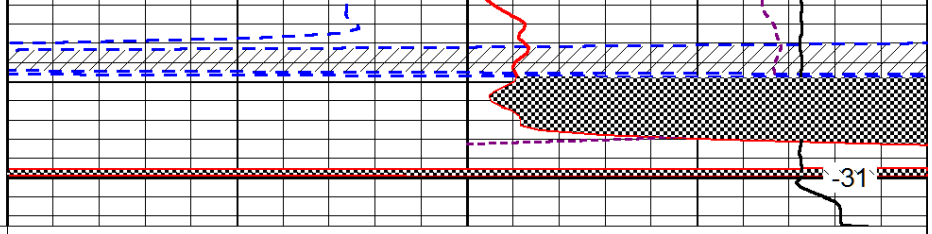

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3300
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3500
3550
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3650
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3700
3750
3800
3850
-31
-31
-31
-31



3900



0	Gamma Ray	150
6	Caliper (GAPI)	16

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