PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-167-23,905-00-00

Company Russell Oil, Inc.

Well Steinle No. 3-32

Field

County Russell State Kansas

Location 330' FNL & 1,160' FEL

Sec: 32 Twp: 15S Rge: 14W

Other Services: DIL/MEL

Permanent Datum	Ground Level	Elevation 1915	Elevation
Log Measured From	Kelly Bushing	12 Ft. Above Perm. Datum	K.B. 1927
Drilling Measured From	Kelly Bushing		D.F.
			G.L. 1915

Date	10/22/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	3460
Depth Logger	3460
Bottom Logged Interval	3439
Top Logged Interval	2800
Type Fluid In Hole	Chemical
Salinity, PPM CL	2500
Density	9.0
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	4 Hours
Equipment -- Location	108 Hays
Recorded By	J. Long
Witnessed By	Kitt Noah

Borehole Record

Run No.	Bit	From	To
One	12.25	00	931
Two	7.875	931	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	931

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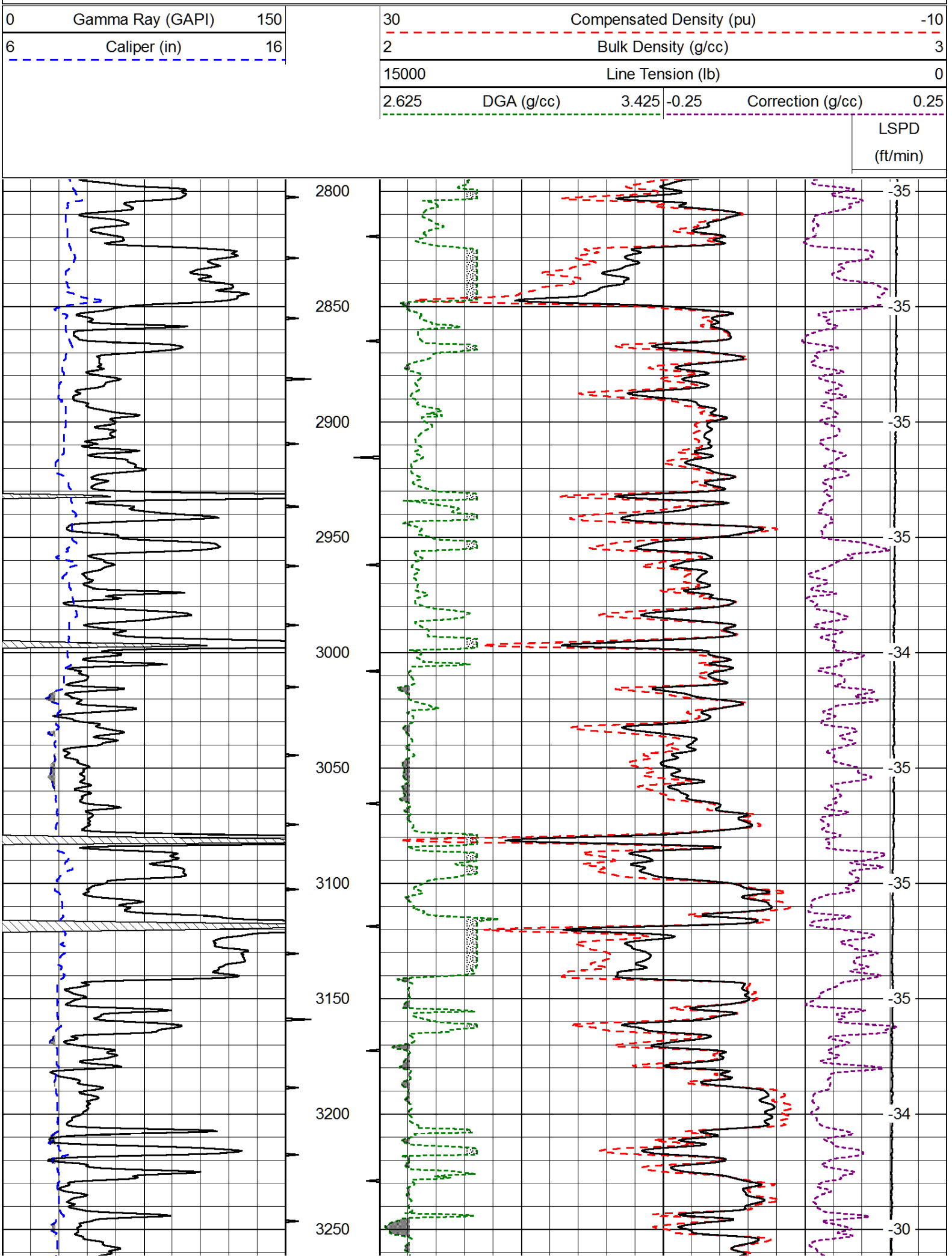
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

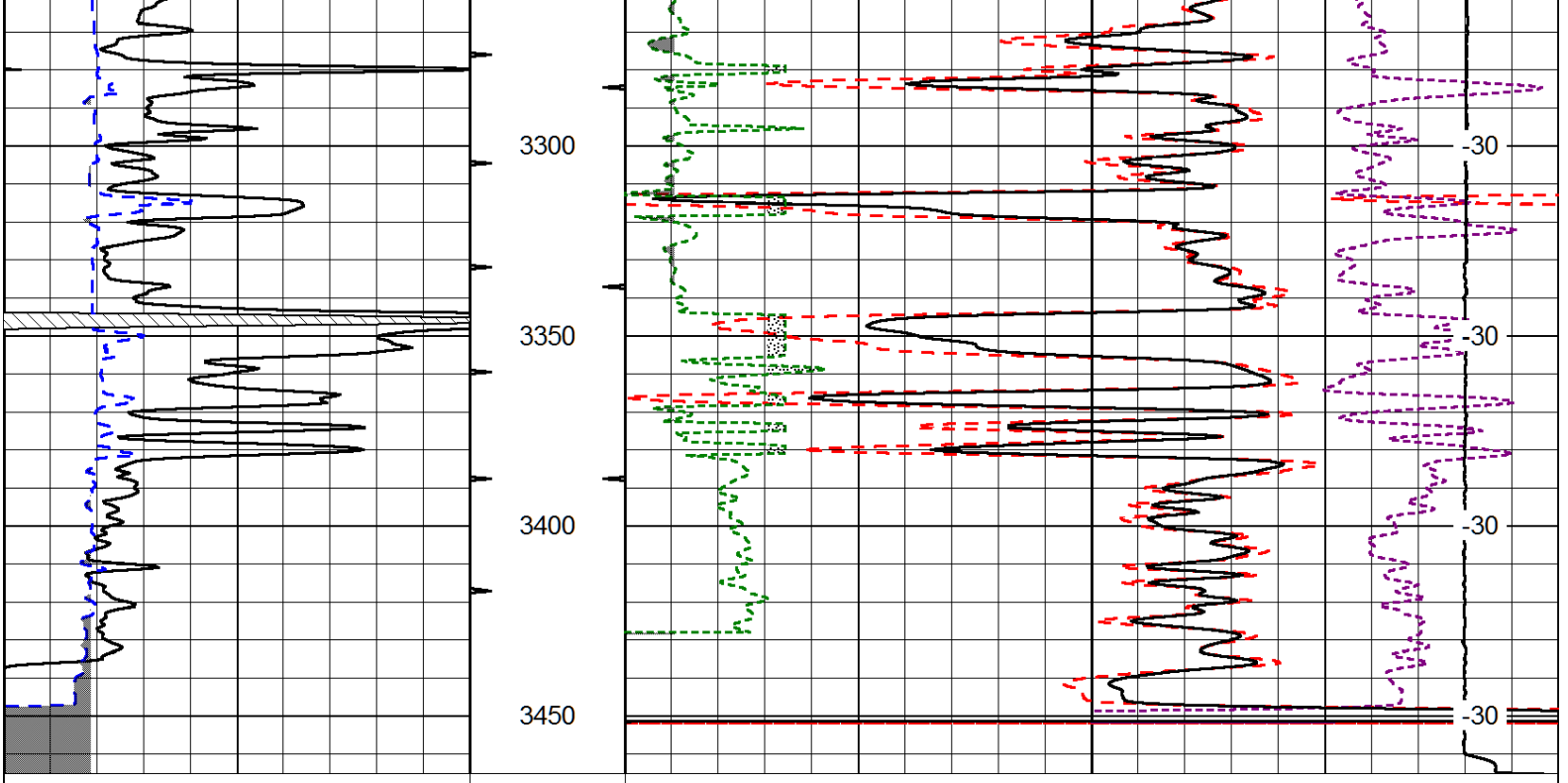
Comments

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

Milberger, 3/4 East, South Into

Database File:	russelloil_steinle_3-32hd.db
Dataset Pathname:	dil/russstck
Presentation Format:	cdl
Dataset Creation:	Tue Oct 22 22:41:40 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)
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
-35
-35
-35
-35
-34
-35
-35
-34
-30



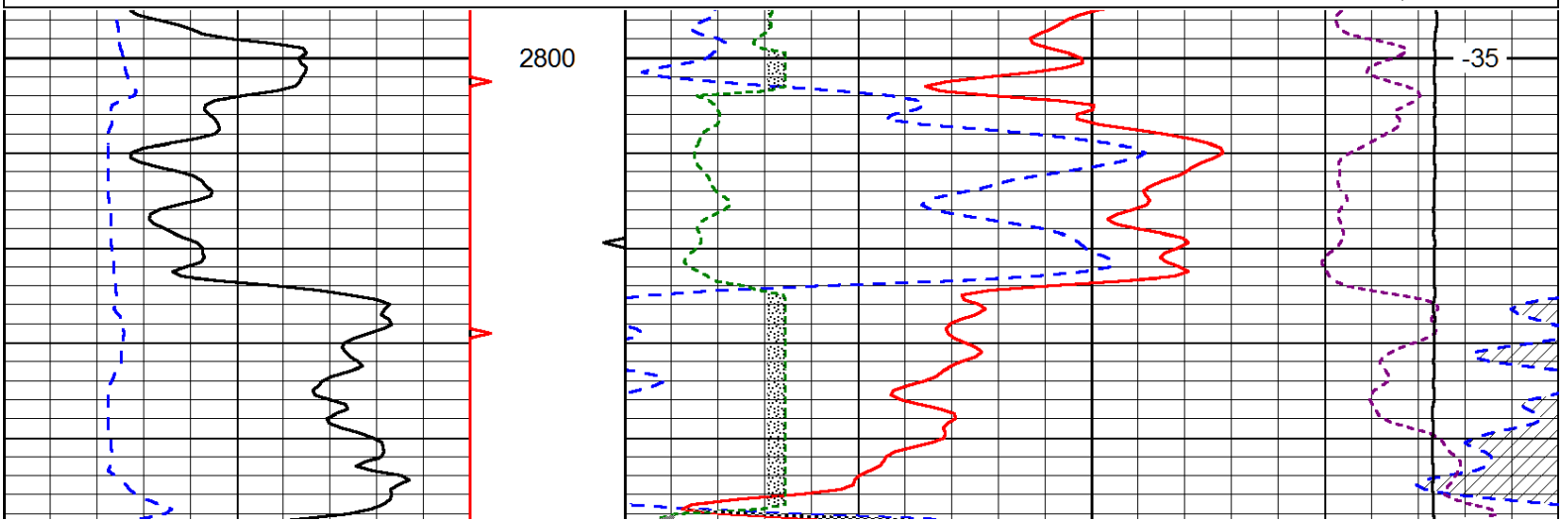
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

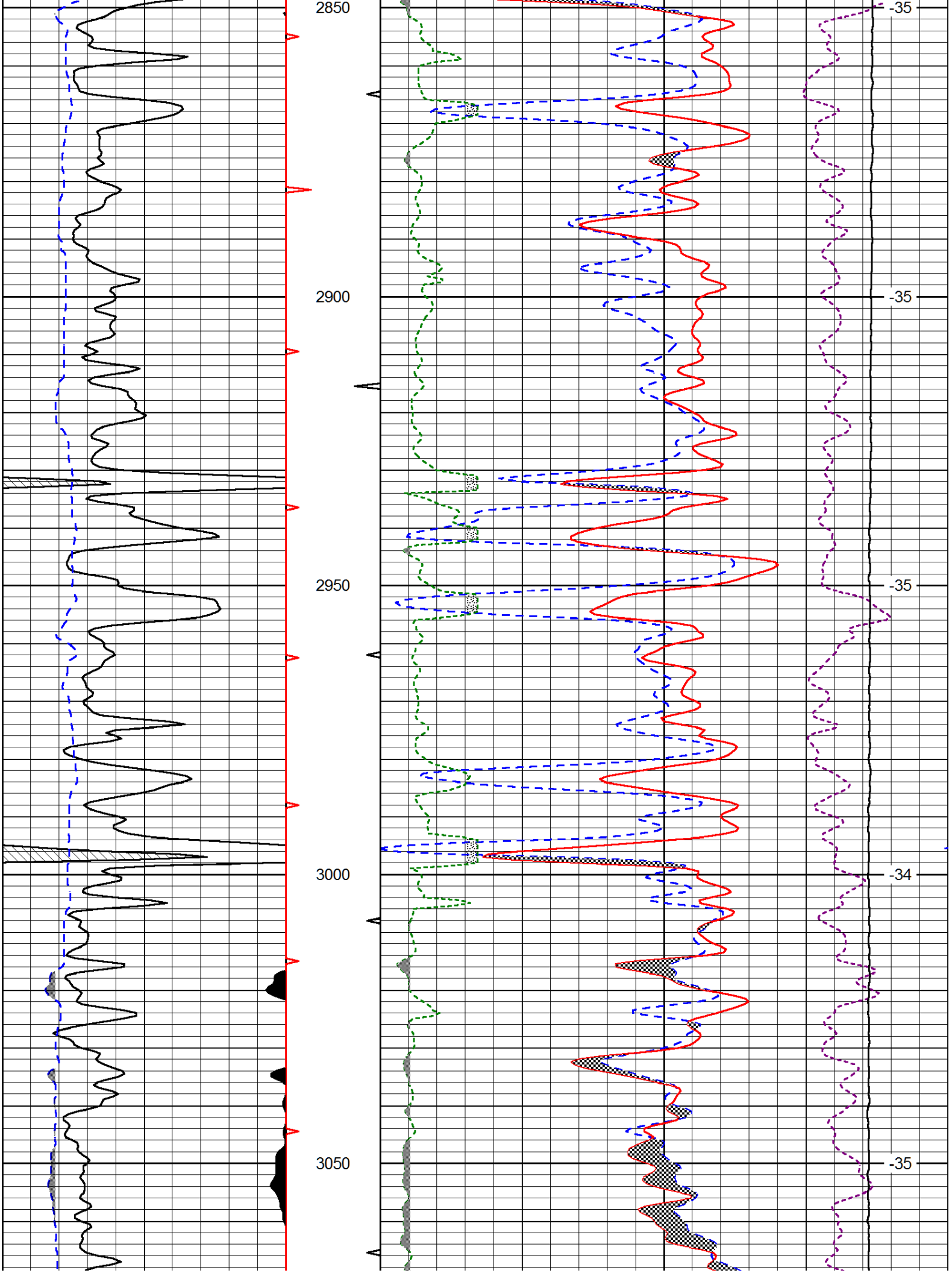
30	Compensated Density (pu)				-10
2	Bulk Density (g/cc)				3
15000	Line Tension (lb)				0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
					LSPD (ft/min)

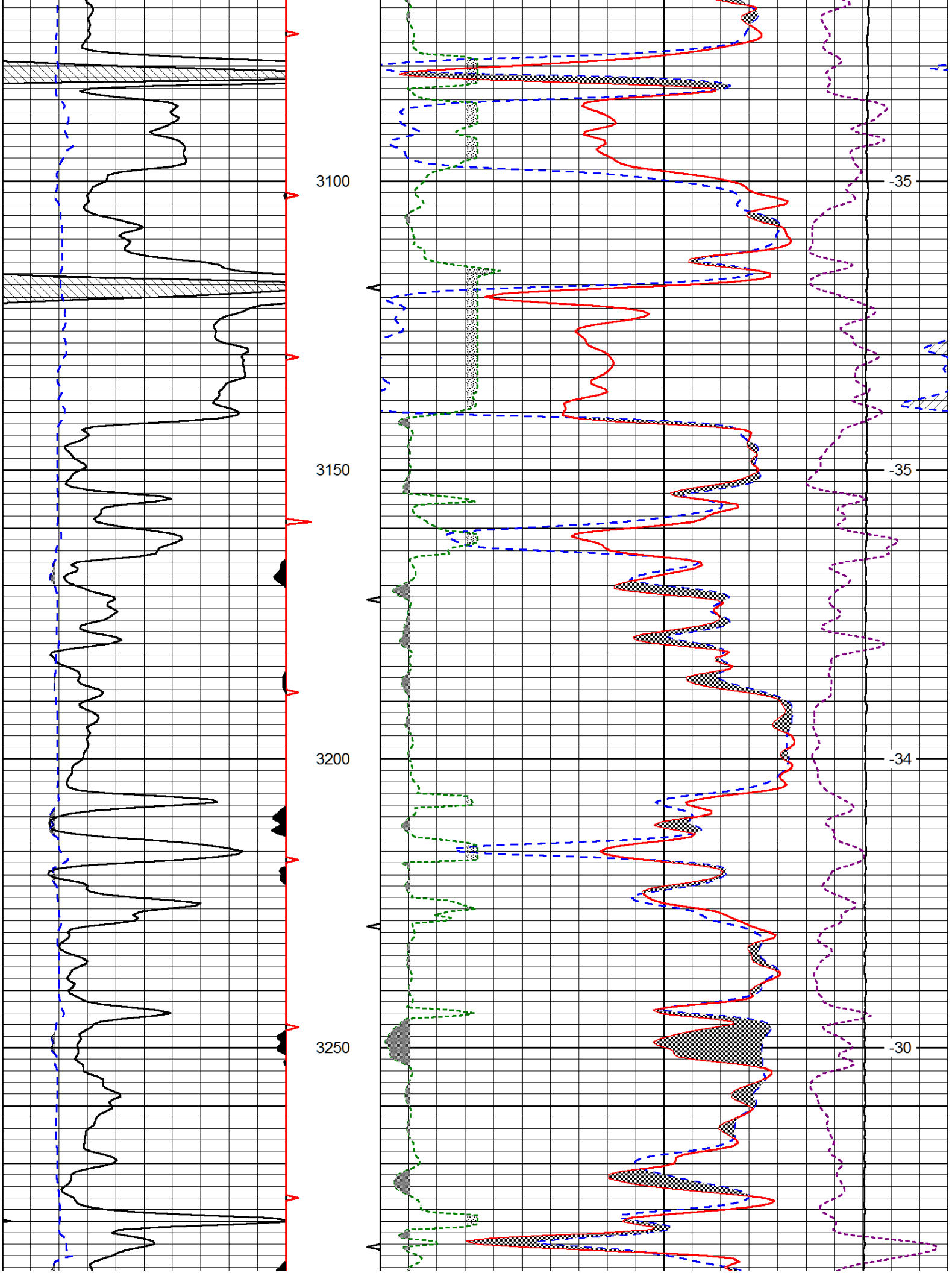
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Dataset Pathname:	dil/russstck
Presentation Format:	cndlspec
Dataset Creation:	Tue Oct 22 22:41:40 2013
Charted by:	Depth in Feet scaled 1:240

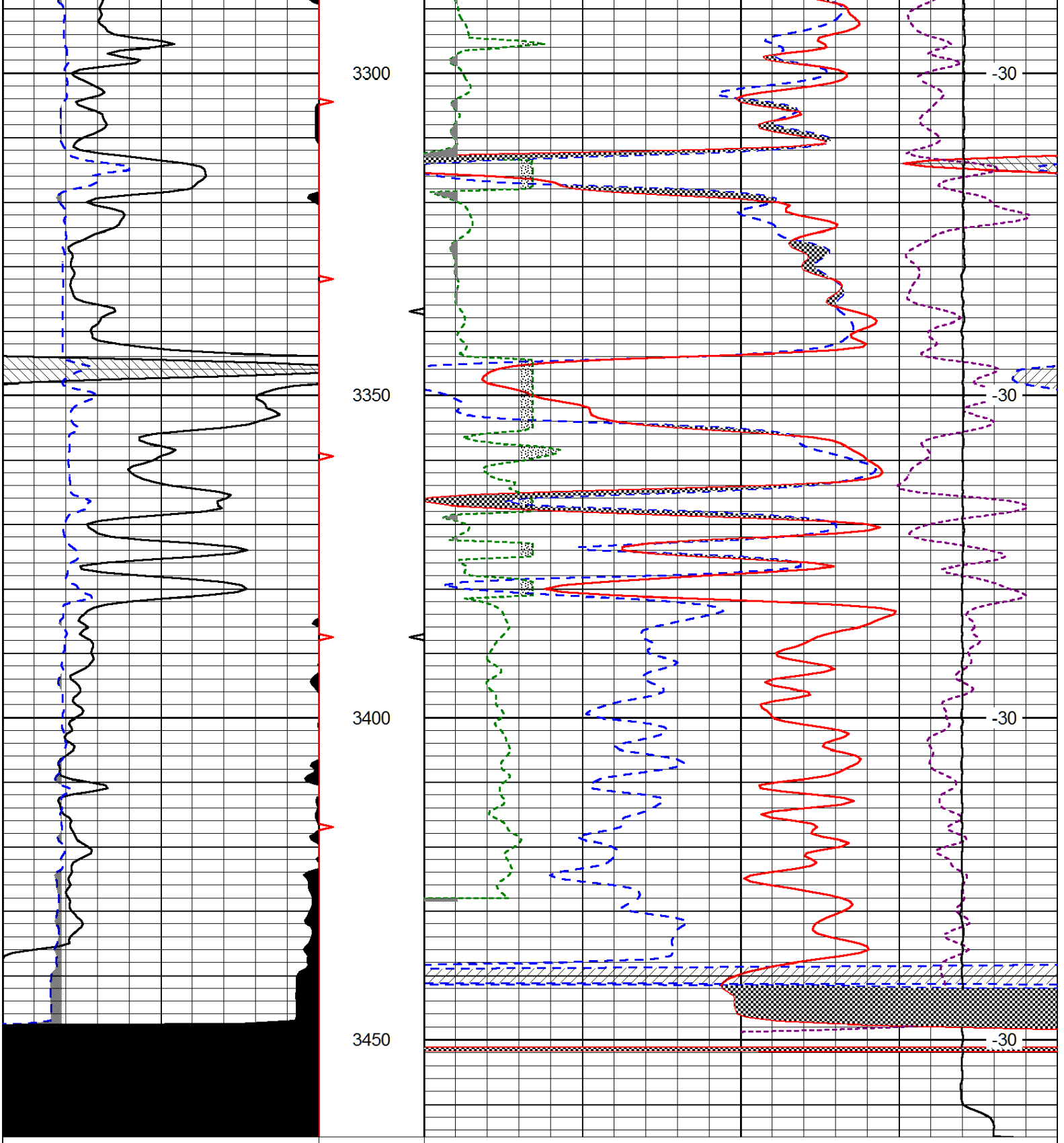
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (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)




2850
2900
2950
3000
3050
-35
-35
-35
-34
-35


3100
3150
3200
3250
-35
-35
-34
-30



0	Gamma Ray (GAPI)	150
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-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)	0

LSPD (ft/min)