

PIONEER
Pioneer Energy Services

**DUAL COMP POROSITY
LOG**

Company		RJM COMPANY	
Well		BARTON COUNTY NO. 1	
Field		WILDCAT	
County		BARTON	
State		KANSAS	

Location:	API # : 15-009-26,129-00-00	Other Services
N2 NW SW NE 1,500' FNL & 2,310' FEL SEC 12 TWP 19S RGE 13W		DIL MEL/BHCS
Permanent Datum	GROUND LEVEL	Elevation 1872'
Log Measured From	KELLY BUSHING	K.B. 1878'
Drilling Measured From	KELLY BUSHING	D.F. N/A
		G.L. 1872'

Date	11/10/2015
Run Number	ONE
Type Log	CNL/CDL
Depth Driller	3530'
Depth Logger	3528'
Bottom Logged Interval	3507'
Top Logged Interval	2700'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	7600
Density	9.4
Level	FULL
Max. Rec. Temp. F	111
Operating Rig Time	4 HOURS
Equipment -- Location	108 Hays
Recorded By	J. LONG
Witnessed By	WYATT URBAN

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25	00	305	8.625	23#	00	305
TWO	7.875	305	TD				

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

HOISINGTON, 8 SOUTH TO NE 30TH ROAD, EAST TO NE 40TH AVENUE, 1 NORTH 1/2 WEST, SOUTH INTO

Log Measured From: KELLY BUSHING
6 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerres.com 785-625-3858

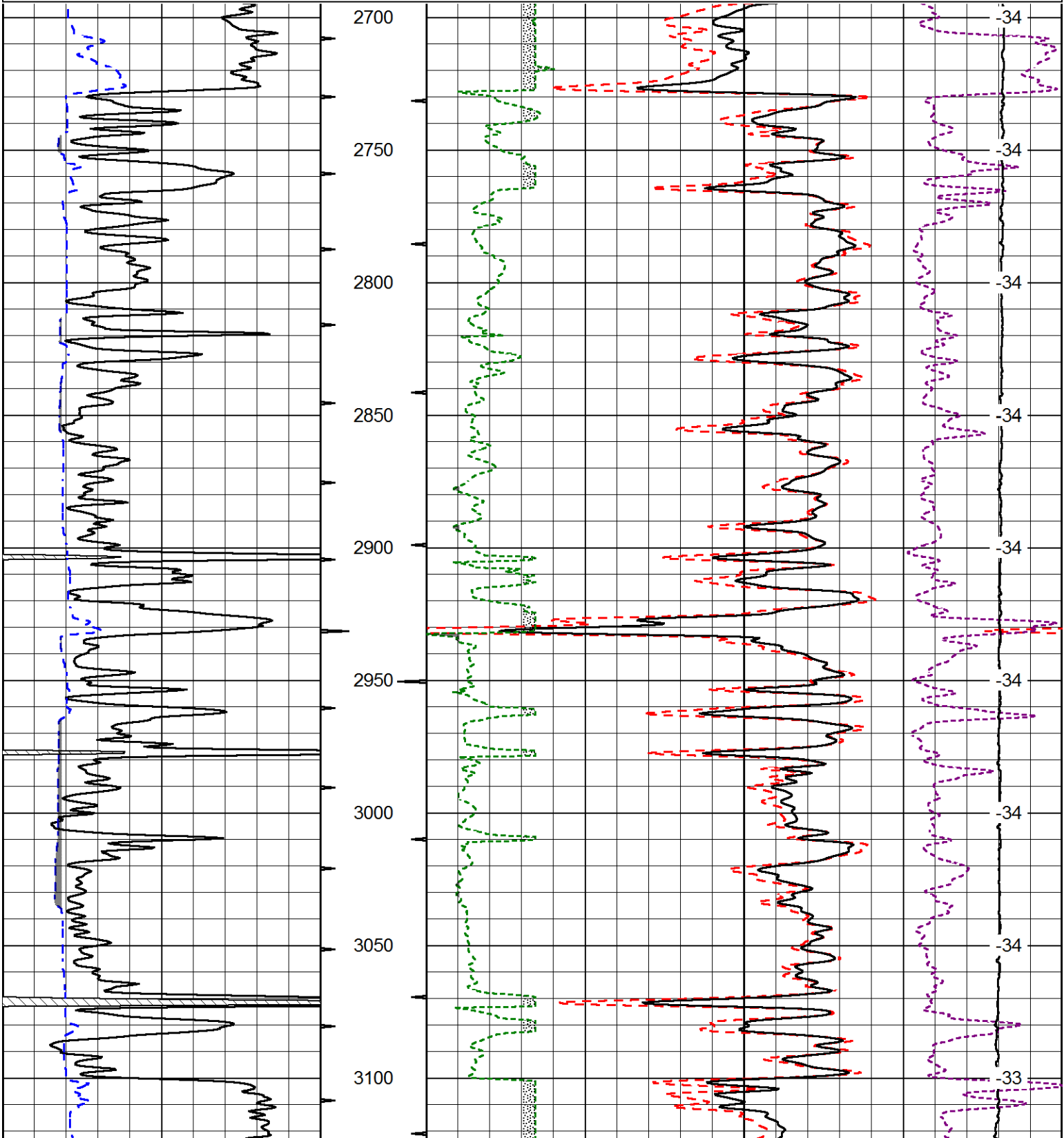
Your Pioneer Energy Services Crew Engineer: J. LONG Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: WYATT URBAN Secondary Witness: Secondary Witness: Secondary Witness:
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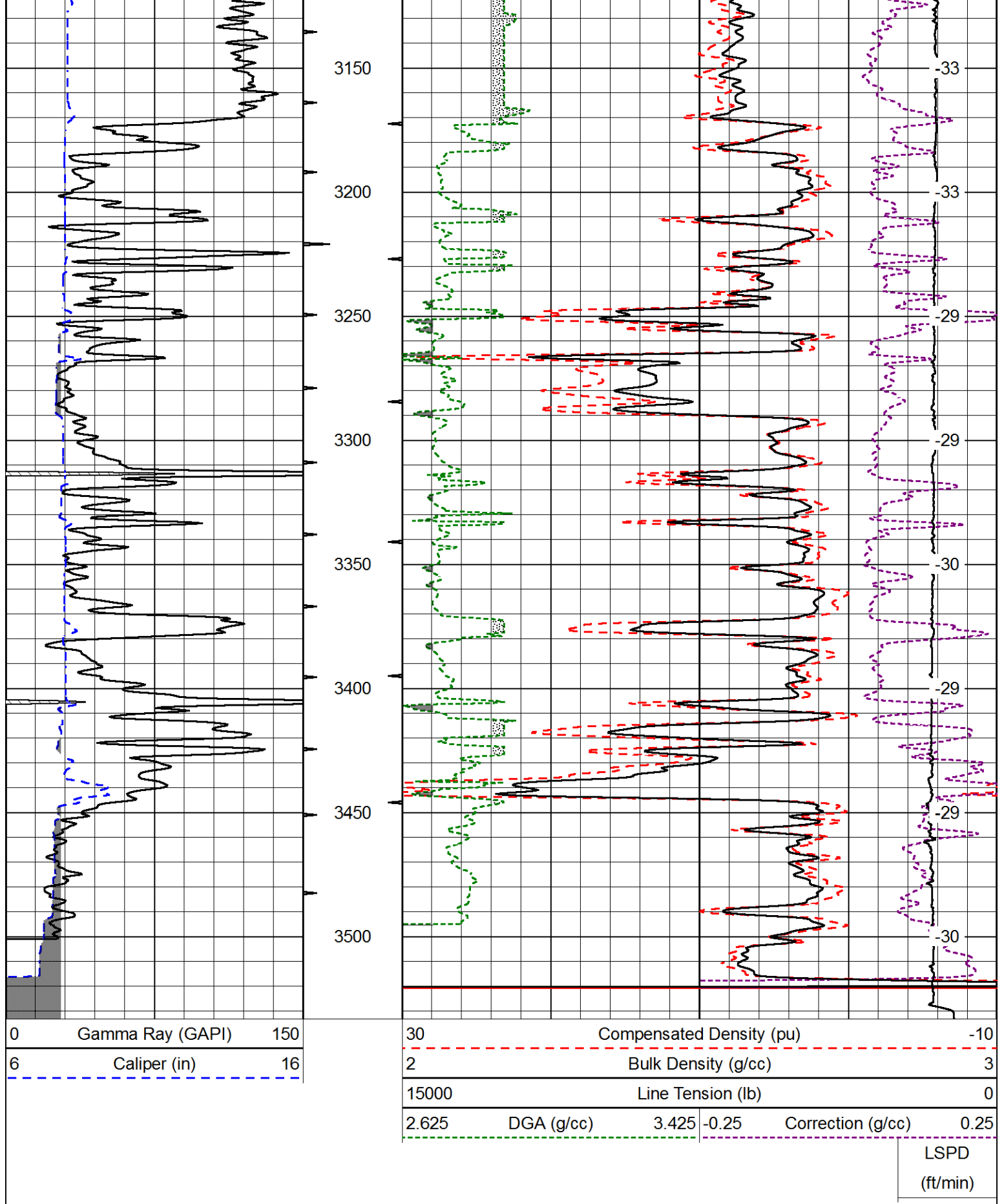
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Dataset Pathname	DIL/rjmstck
Presentation Format	cdl
Dataset Creation	Tue Nov 10 07:54:34 2015
Charted by	Depth in Feet scaled 1:600

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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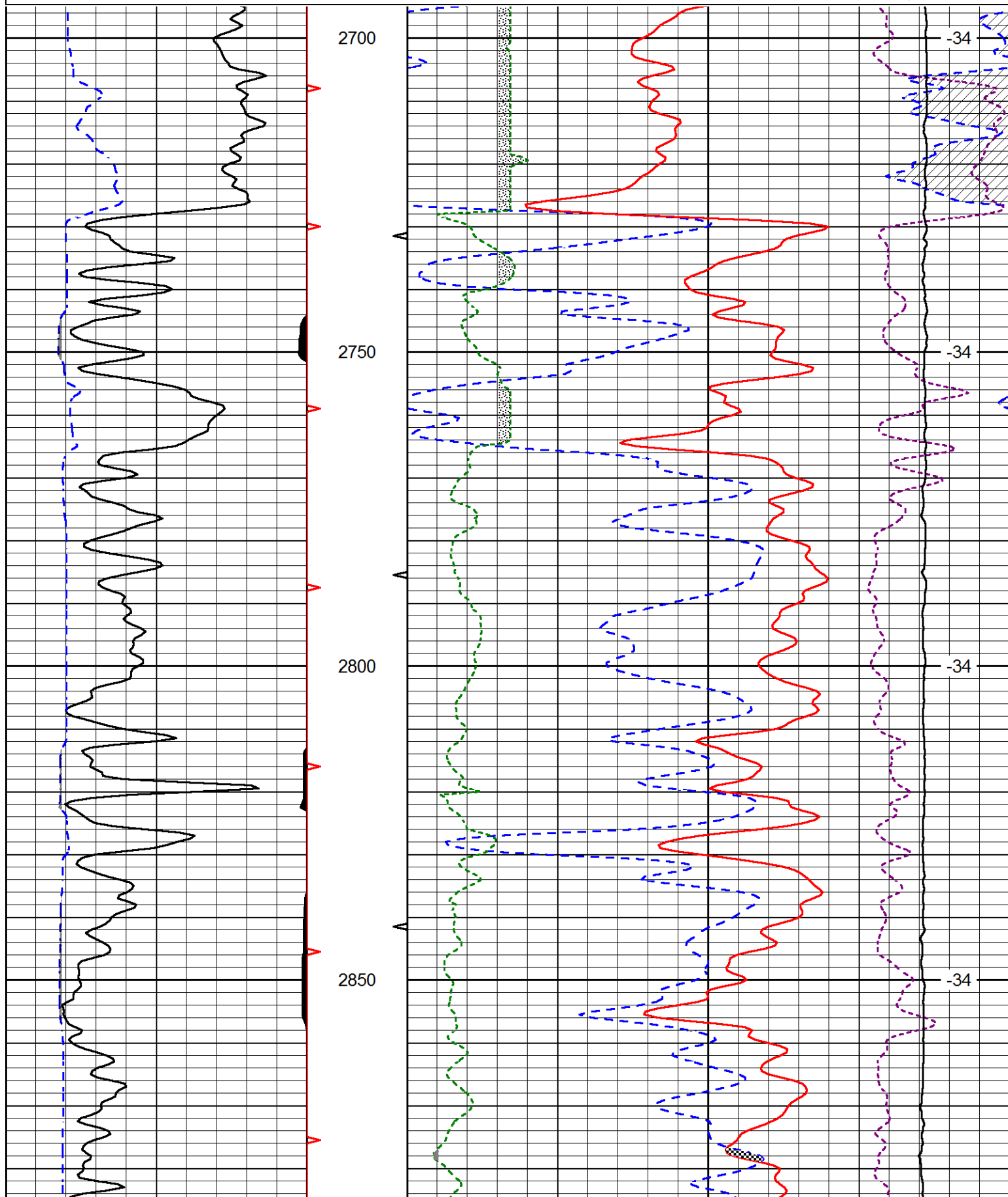


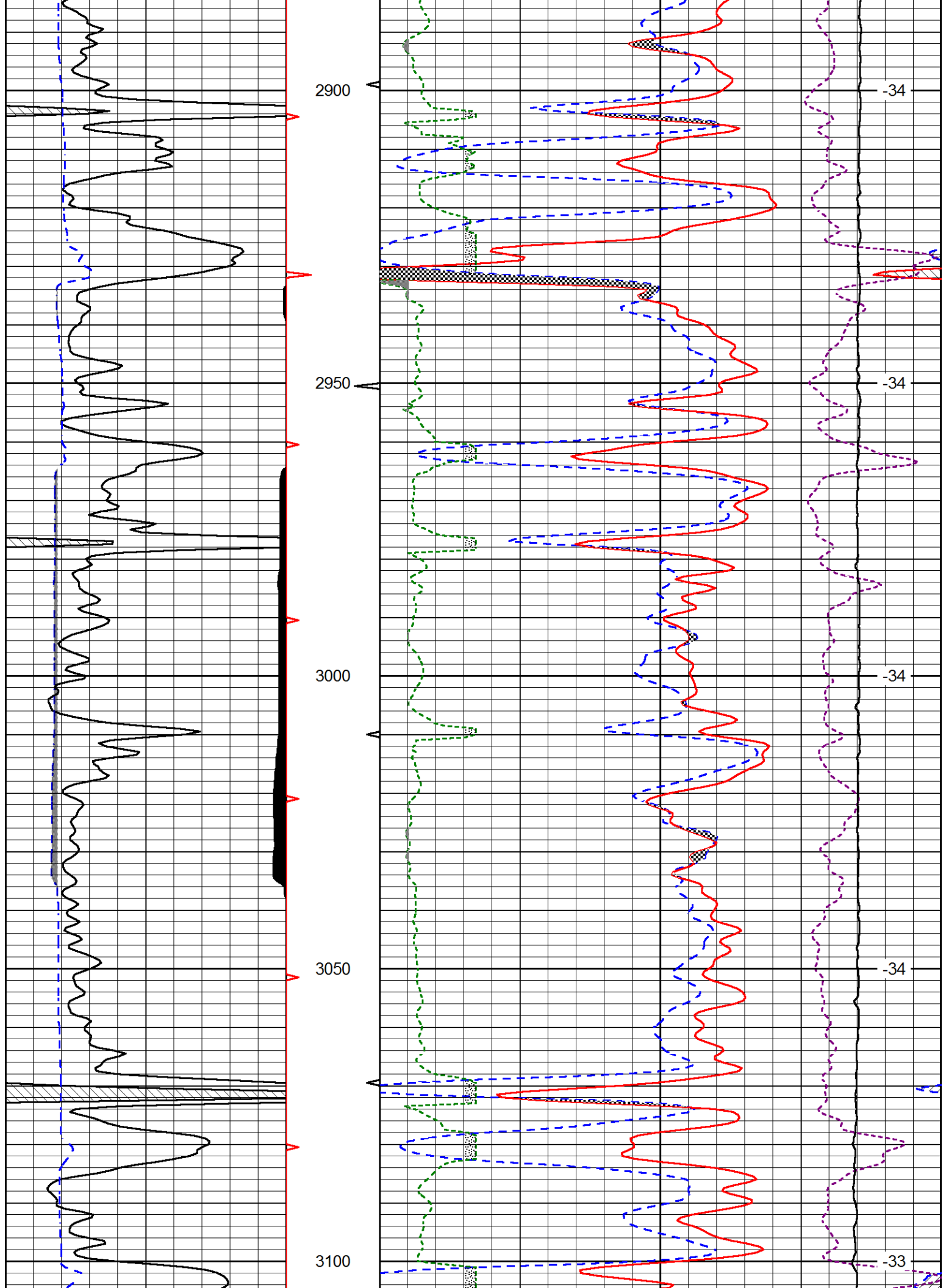


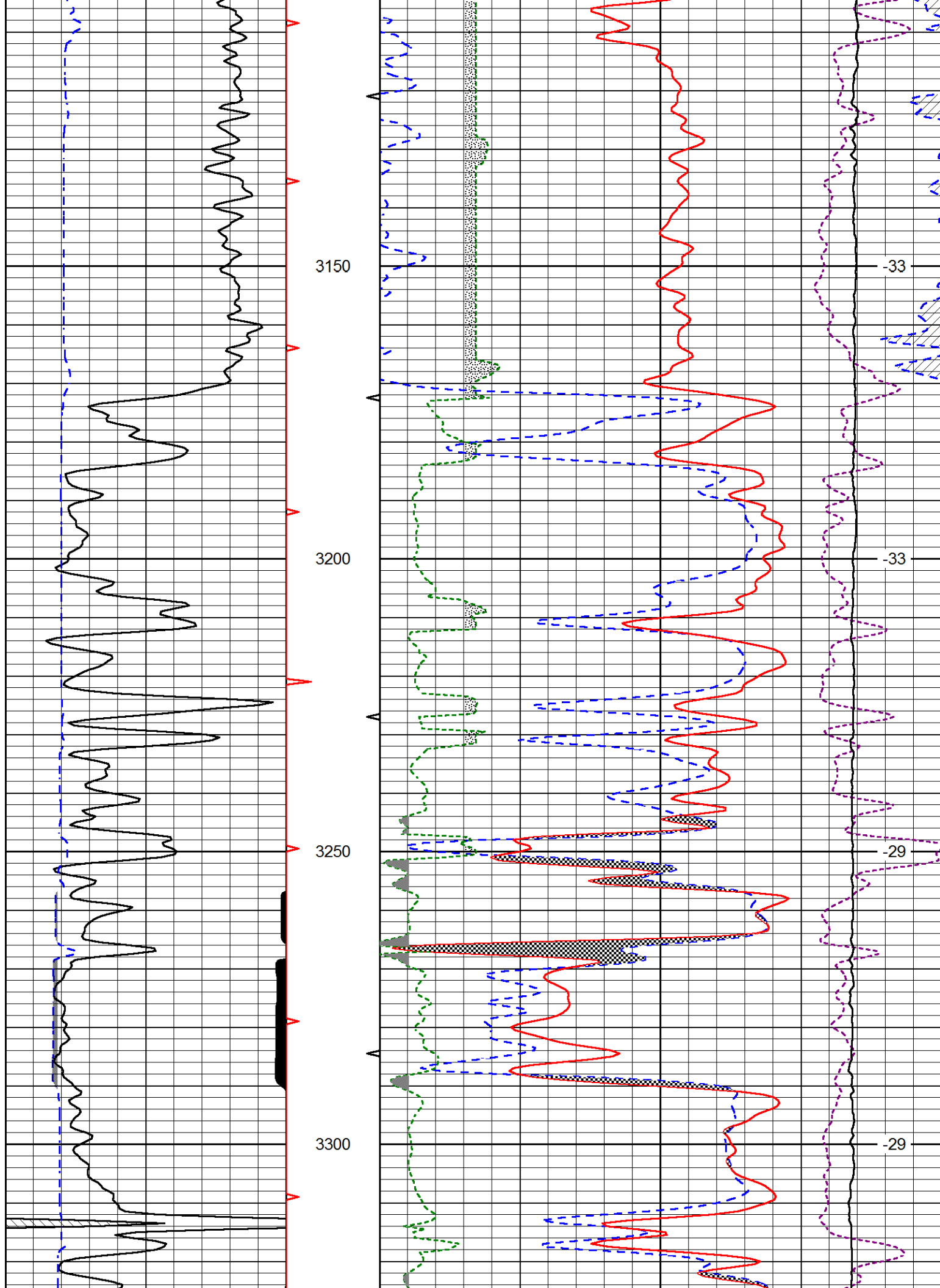
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Presentation Format cndlspec
Dataset Creation Tue Nov 10 07:54:34 2015
Charted by Depth in Feet scaled 1:240

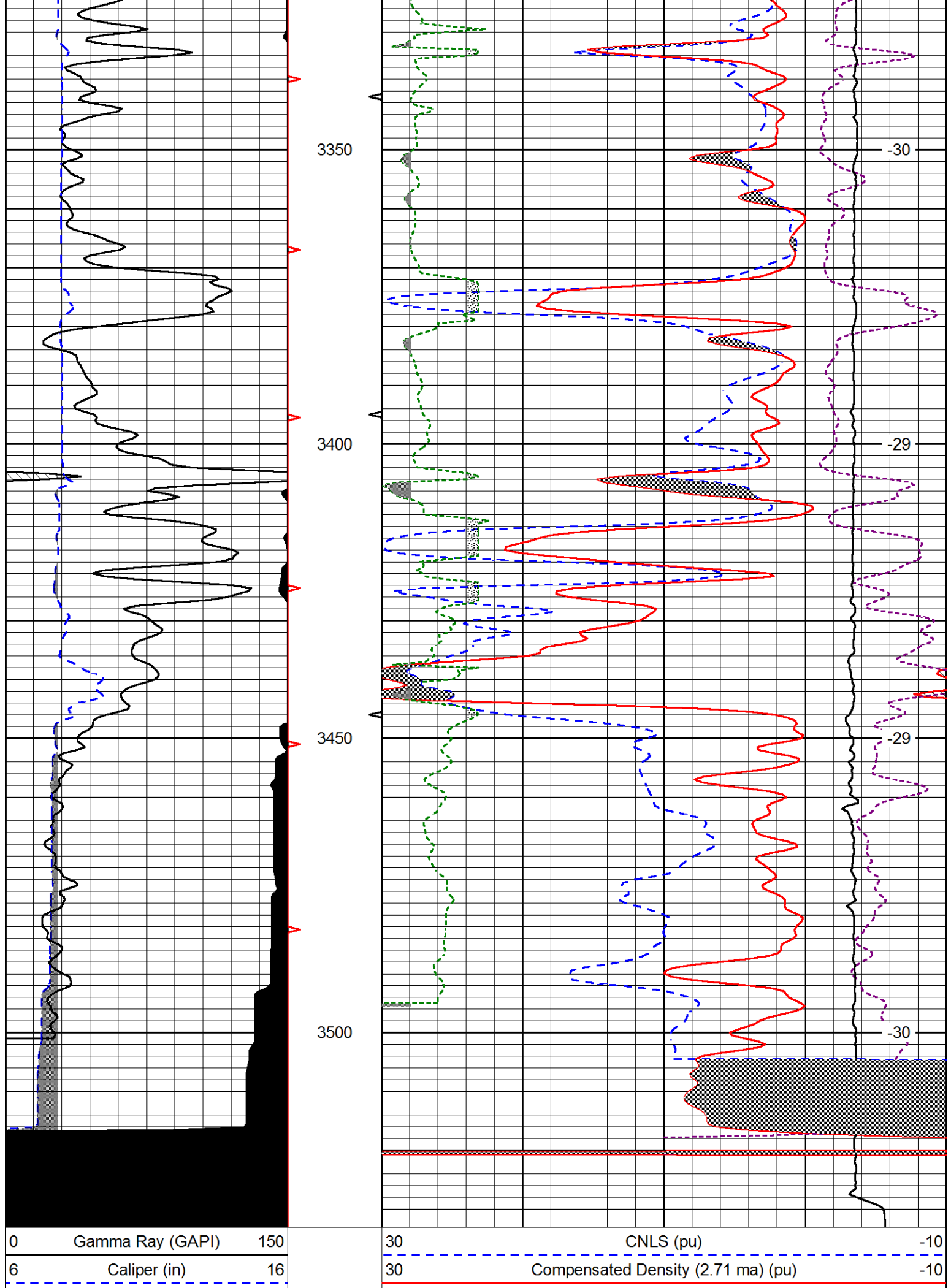
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)		-10
30	Compensated Density (2.71 ma) (pu)		-10
10000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD (ft/min)		









		10000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
				LSPD (ft/min)	