



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-009-24,483-00-01

Company Edison Operating Company, LLC
Well Henry Zahorsky 'OWWO' No. 9
Field Chase-Silica
County Barton State Kansas

Location 1,320' FSL & 1,320' FEL

Sec: 14 Twp: 20S Rge: 11W

Other Services
DIL
MEL/BHCS

Permanent Datum Ground Level Elevation 1751
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1756
D.F.
G.L. 1751

Date 11/10/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3510

Depth Logger 3504

Bottom Logged Interval 3483

Top Logged Interval 2400

Type Fluid In Hole Chemical

Salinity, PPM CL 59000

Density 9.2

Level Full

Max. Rec. Temp. F 111

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Kelly Brannum

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	736	8.625	23#	00	736
Two	7.875	736	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

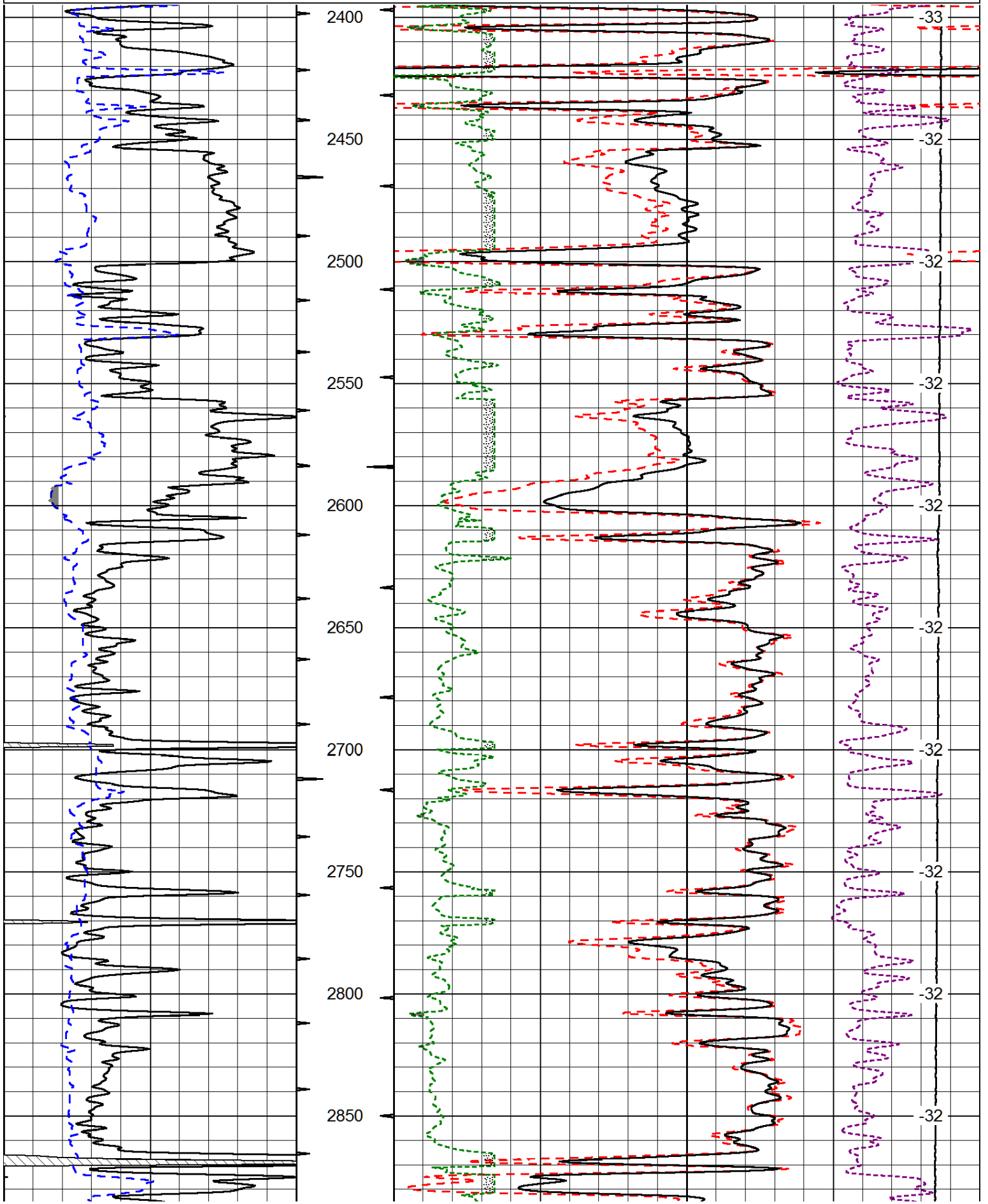
Thank you for using Log-Tech, Inc.
(785) 625-3858

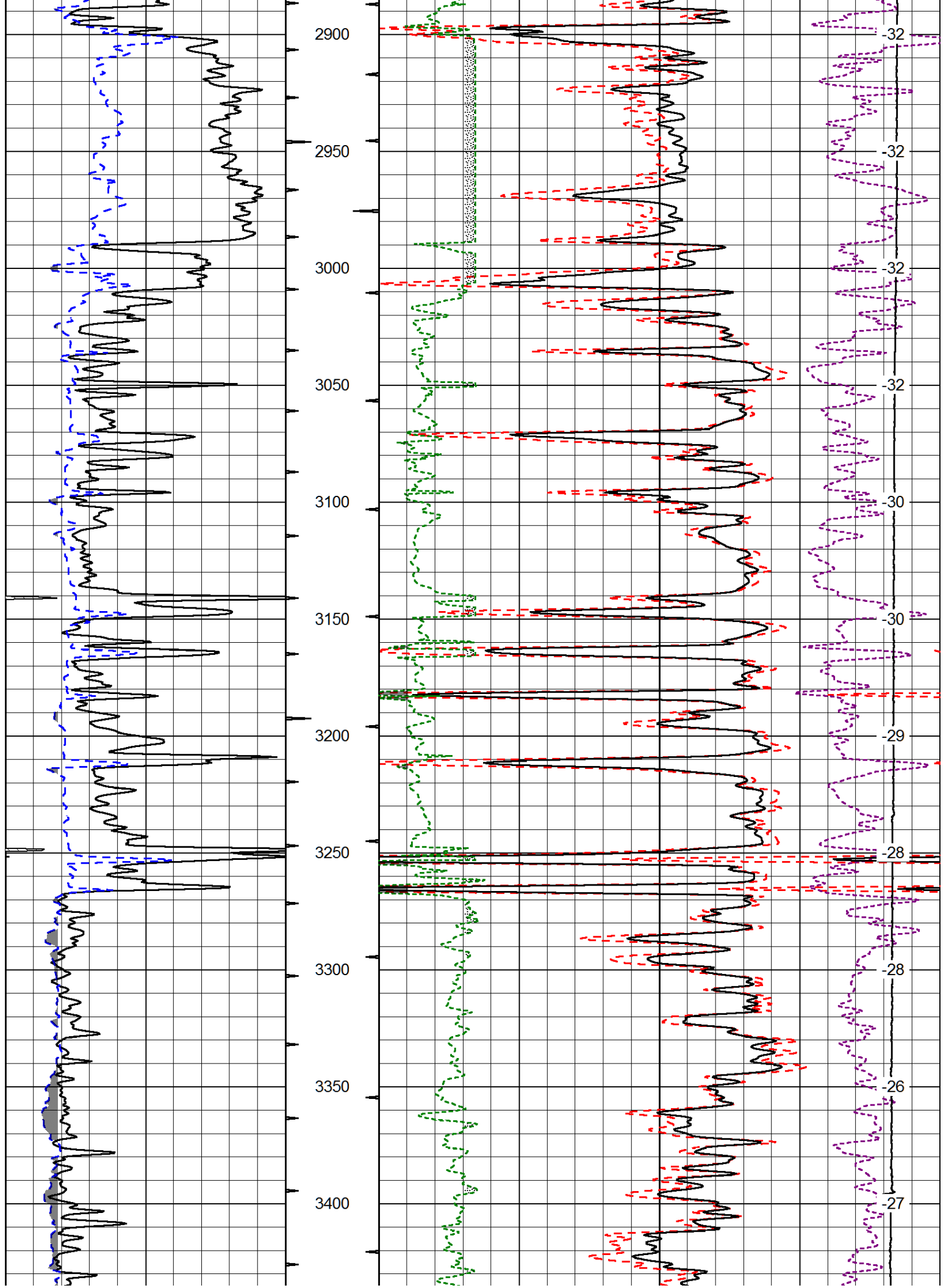
Ellinwood, South to 50 Road, 5 East, 1 1/4 North, West Into

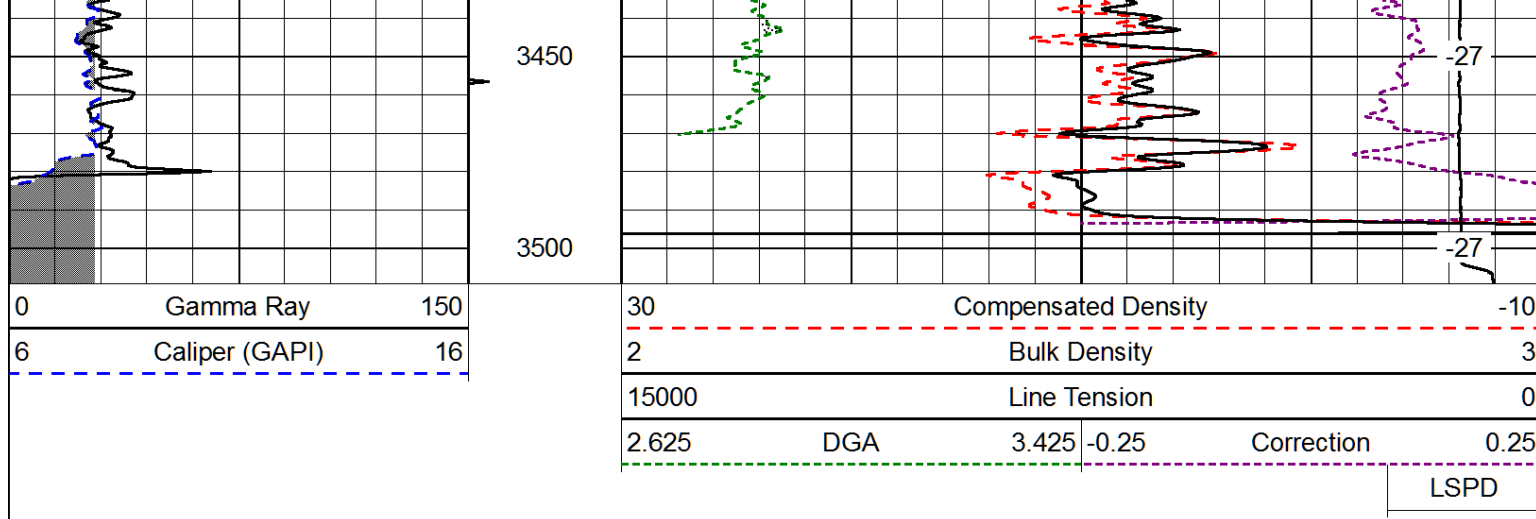
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Dataset Pathname: dil/edstck
Presentation Format: cdl
Dataset Creation: Mon Nov 10 01:09:08 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

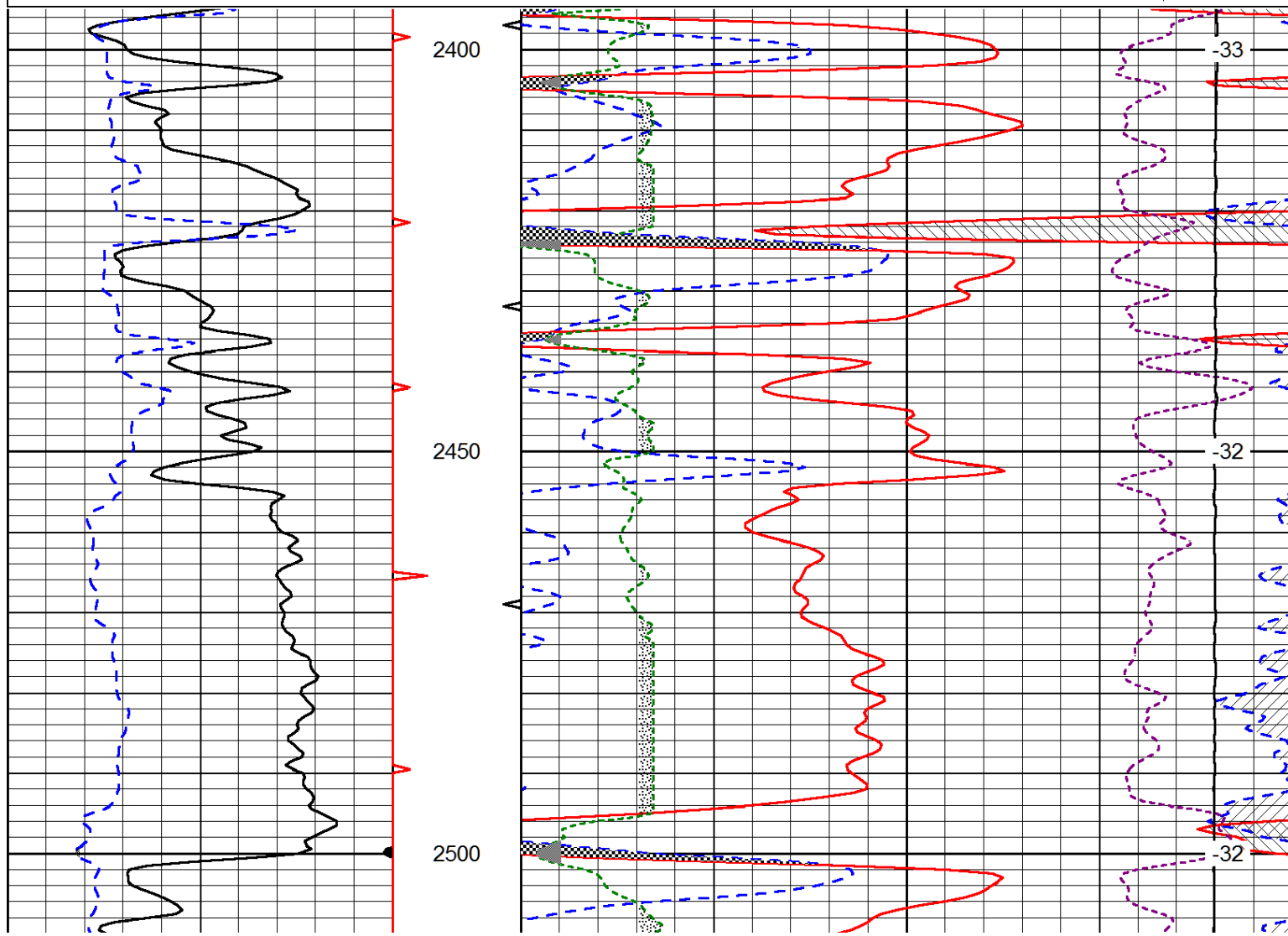
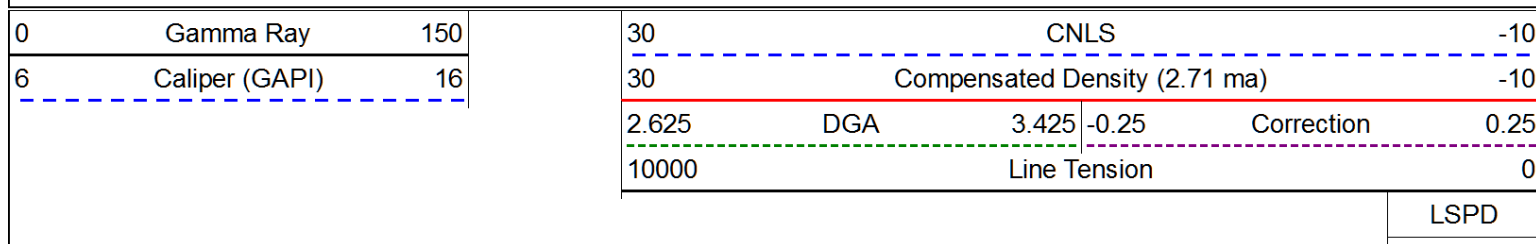
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

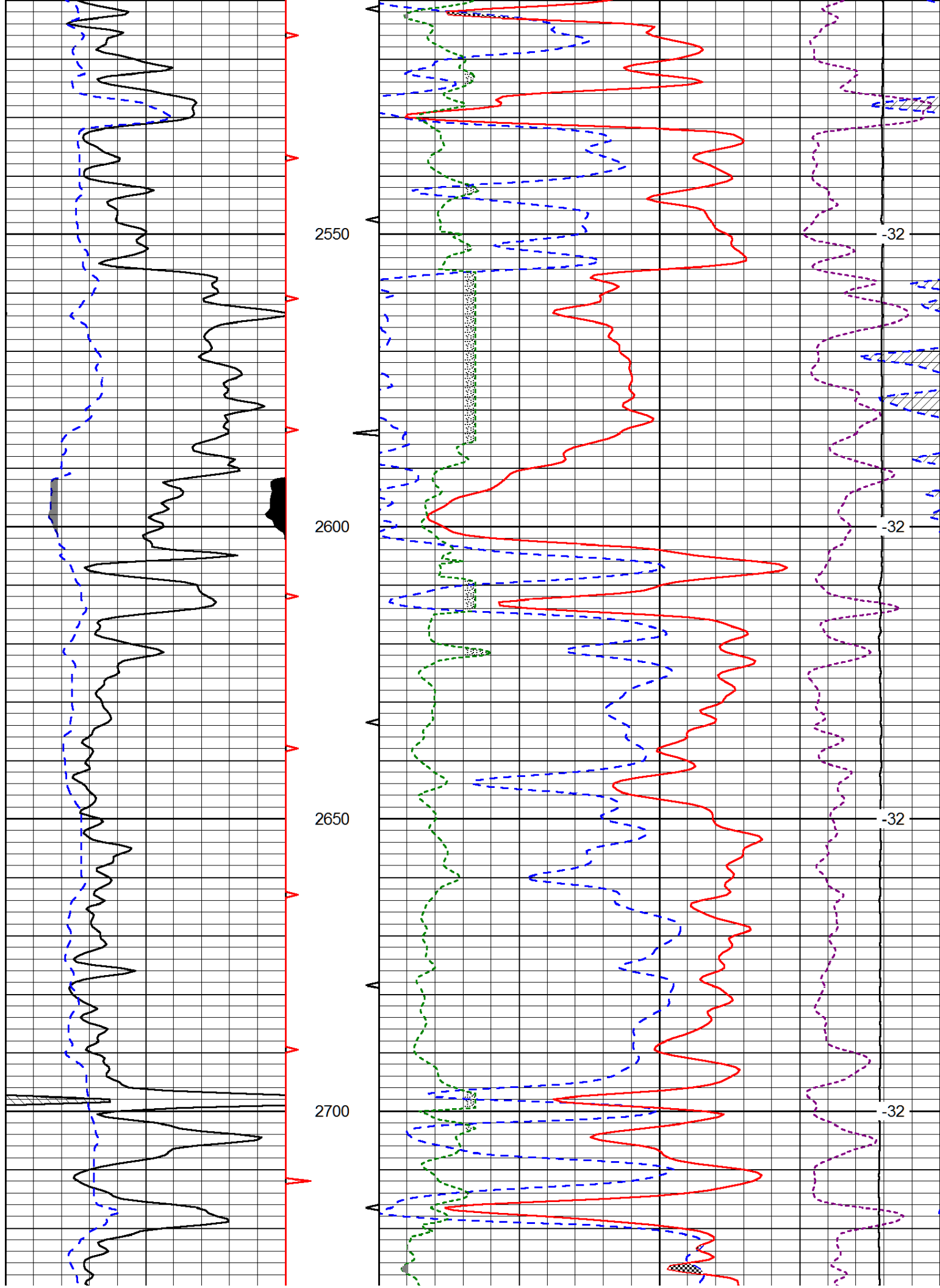


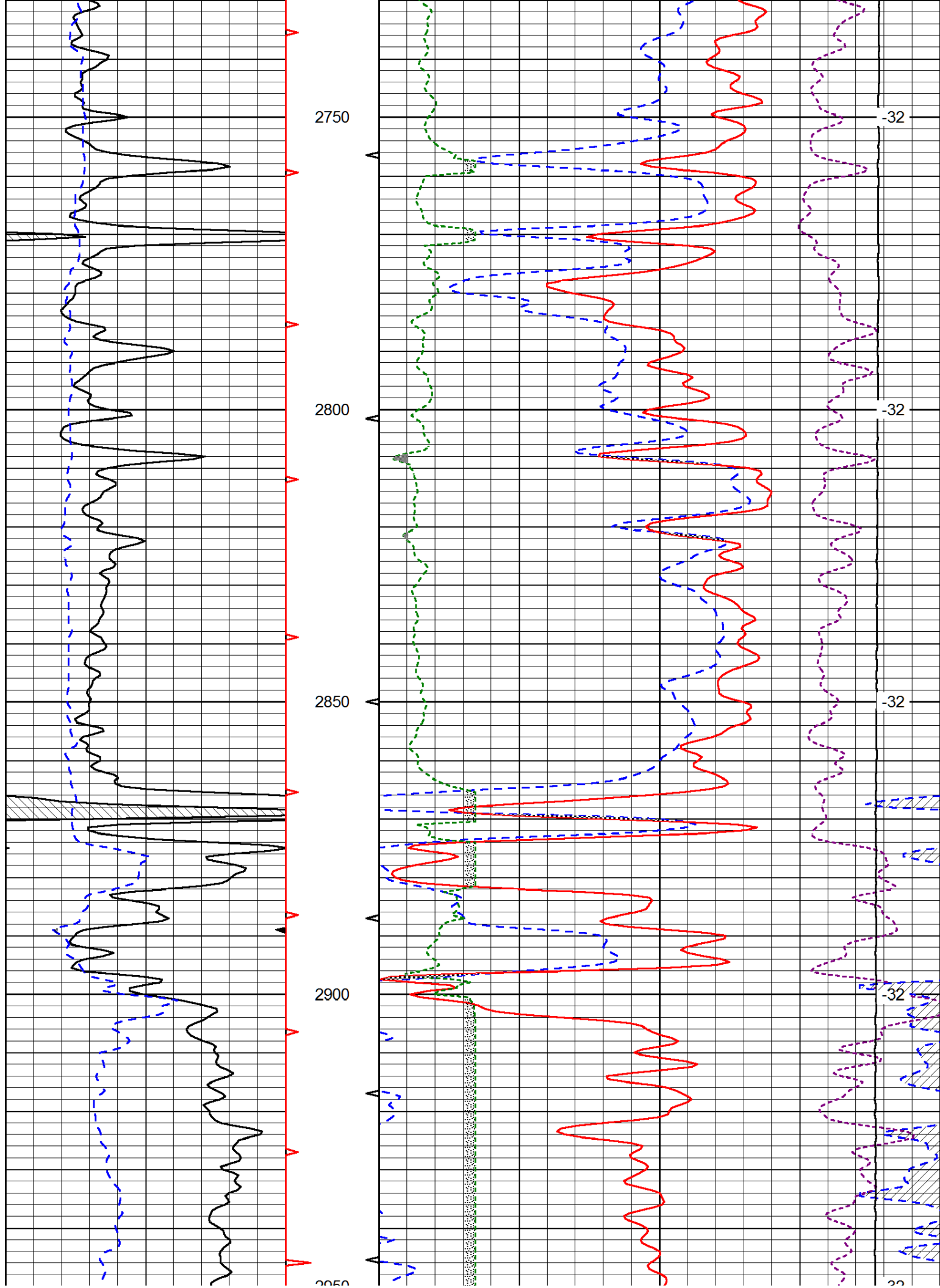


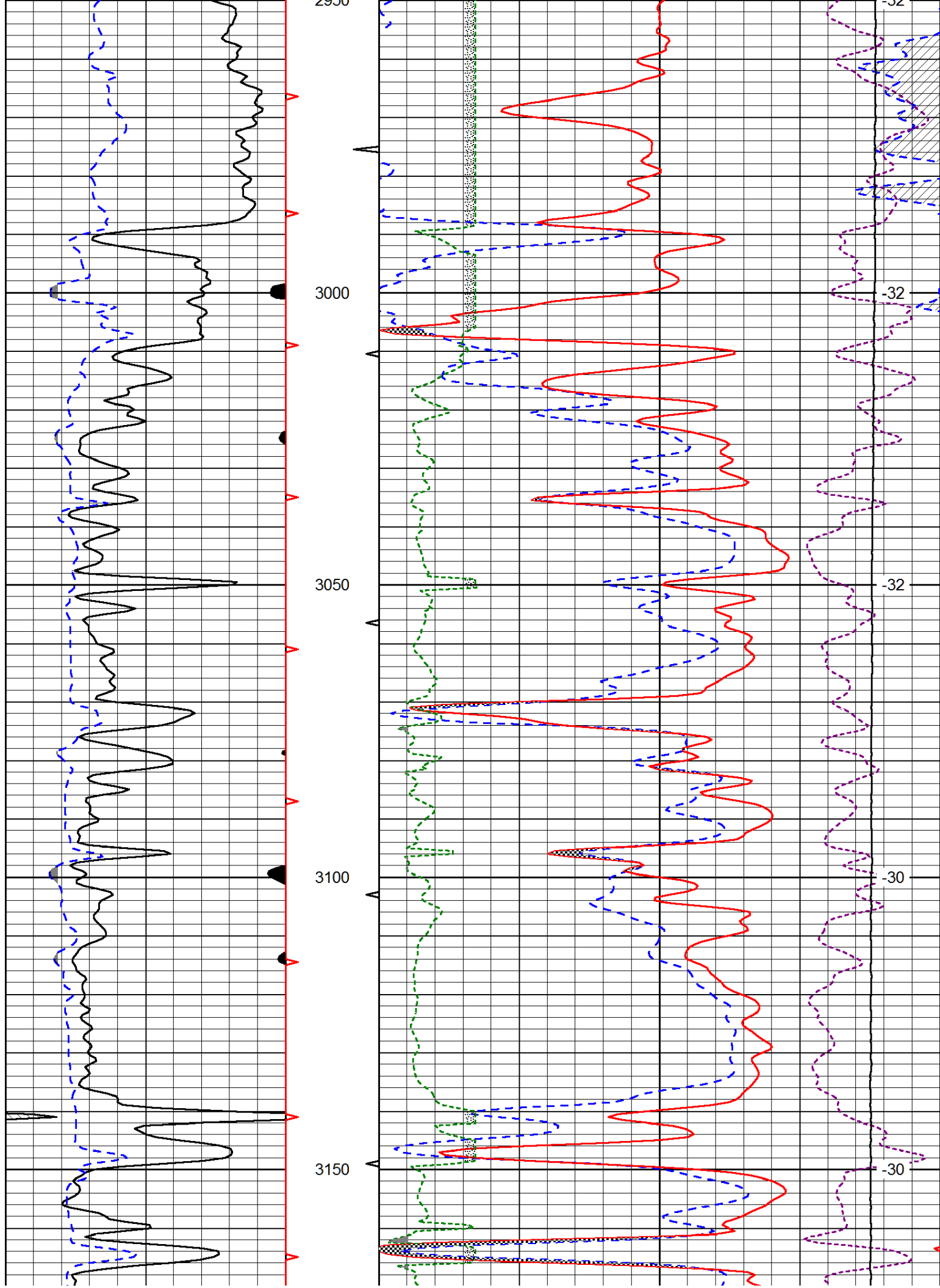


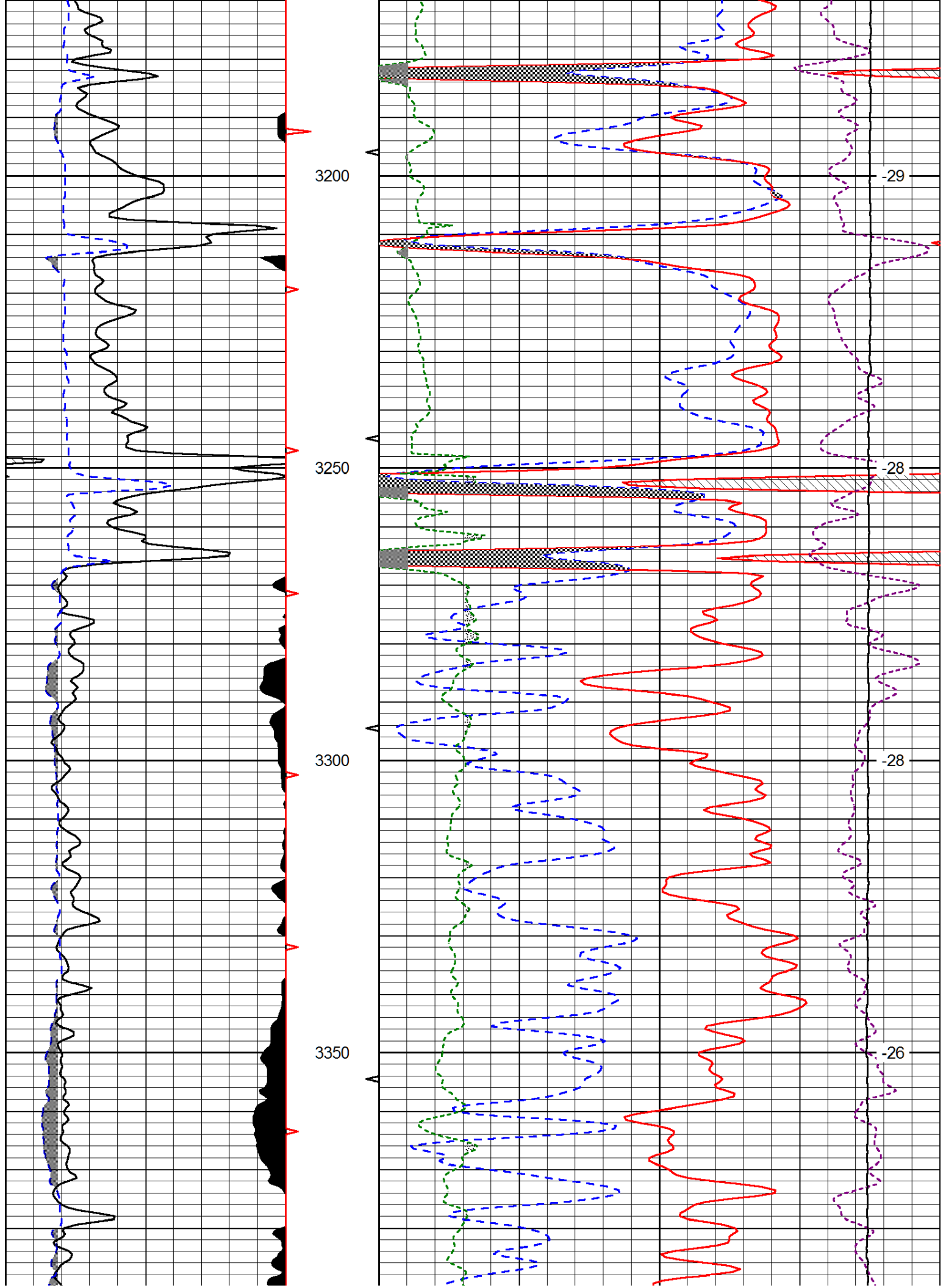
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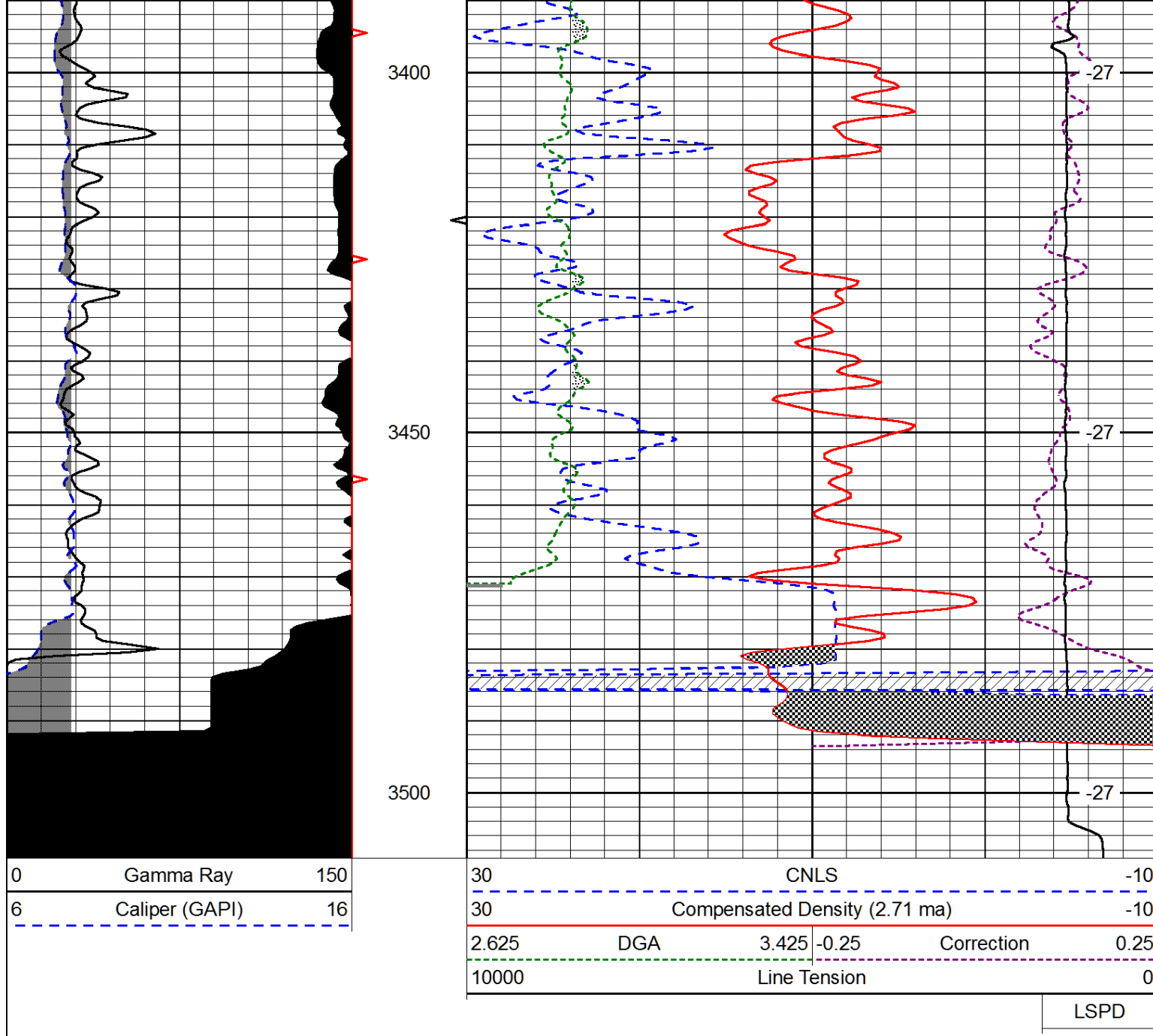












0	Gamma Ray	150
6	Caliper (GAPI)	16

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

LSPD