



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24,039-00-00

Company N-10 Exploration, LLC

Well Medicine River Ranch 'B' No. 12

Field Landis

County Barber

State Kansas

Location

W/2 SE SE
660' FSL & 990' FEL

Other Services
DIL

Sec: 15

Twp: 34S

Rge: 11W

Elevation

Permanent Datum Ground Level Elevation 1345
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 7/18/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4982

Depth Logger 4976

Bottom Logged Interval 4955

Top Logged Interval 3000

Type Fluid In Hole Chemical

Salinity, PPM CL 3,000

Density 9.4

Level Full

Max. Rec. Temp. F 126

Operating Rig Time 3 Hours

Equipment -- Location 15 Days

Recorded By J. Henrickson

Witnessed By D. Kerr

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One 12.25 00 266 8.625 23# 00 266

Two 7.875 266 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

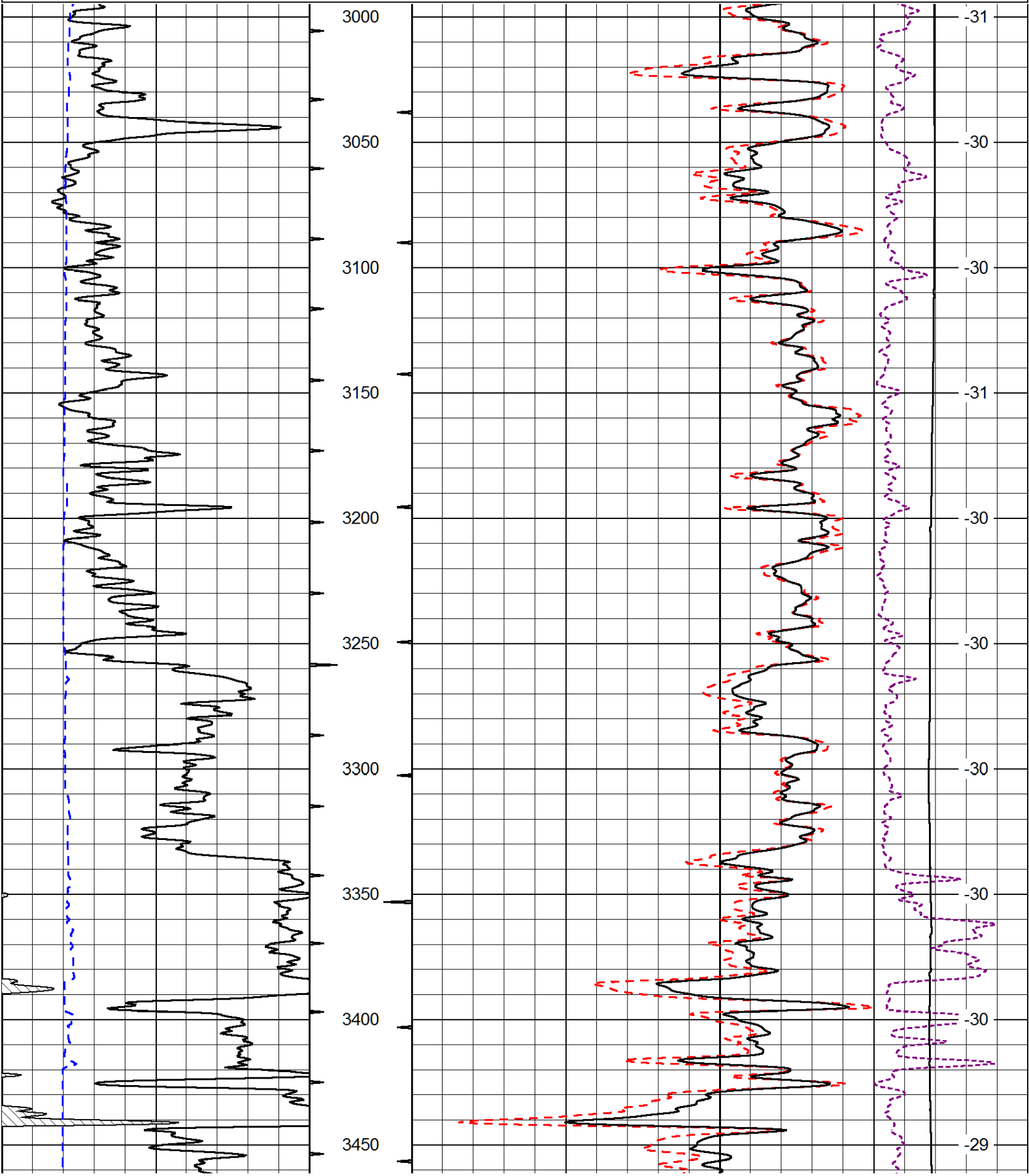
Thank you for using Log-Tech, Inc.
(785) 625-3858

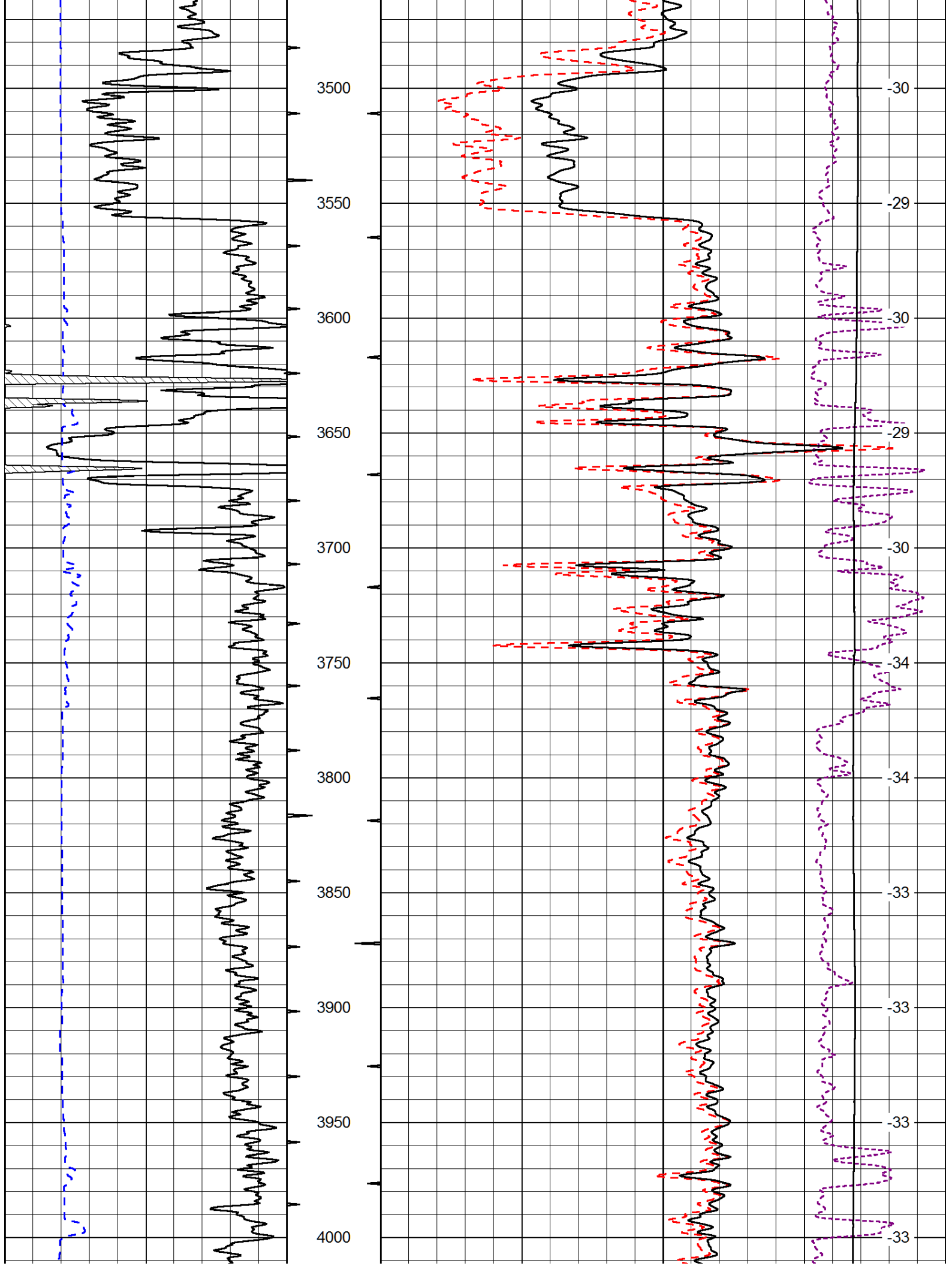
Medicine Lodge Kansas
13 S to Scott Canyon Rd, 3 E, across Cattle Guard, 1/2 S,S & E across river
1/4 E, 1/4 S, 1/4 E, S Into

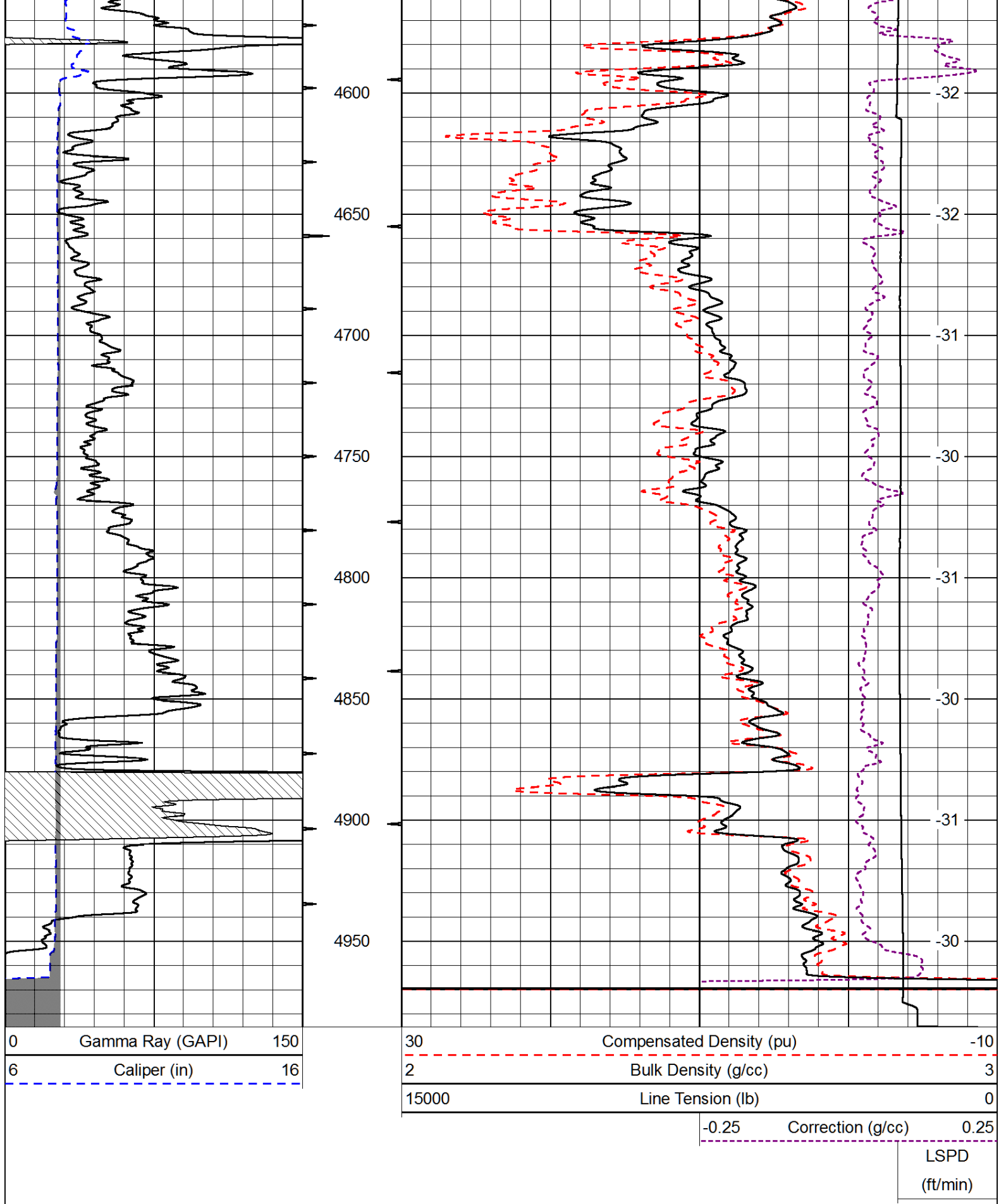
Database File: n10_exploration_medicinerranch_b_12hd.db
Dataset Pathname: DIL/n10stk
Presentation Format: cdl
Dataset Creation: Thu Jul 18 13:36:11 2013
Charted by: Depth in Feet scaled 1:600

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
-0.25	Correction (g/cc)	0.25
LSPD (ft/min)		







Database File: n10_exploration_medicinerriverranch_b_12hd.db
Dataset Pathname: DIL/n10stk
Presentation Format: cndlspec
Dataset Creation: Thu Jul 18 13:36:11 2013

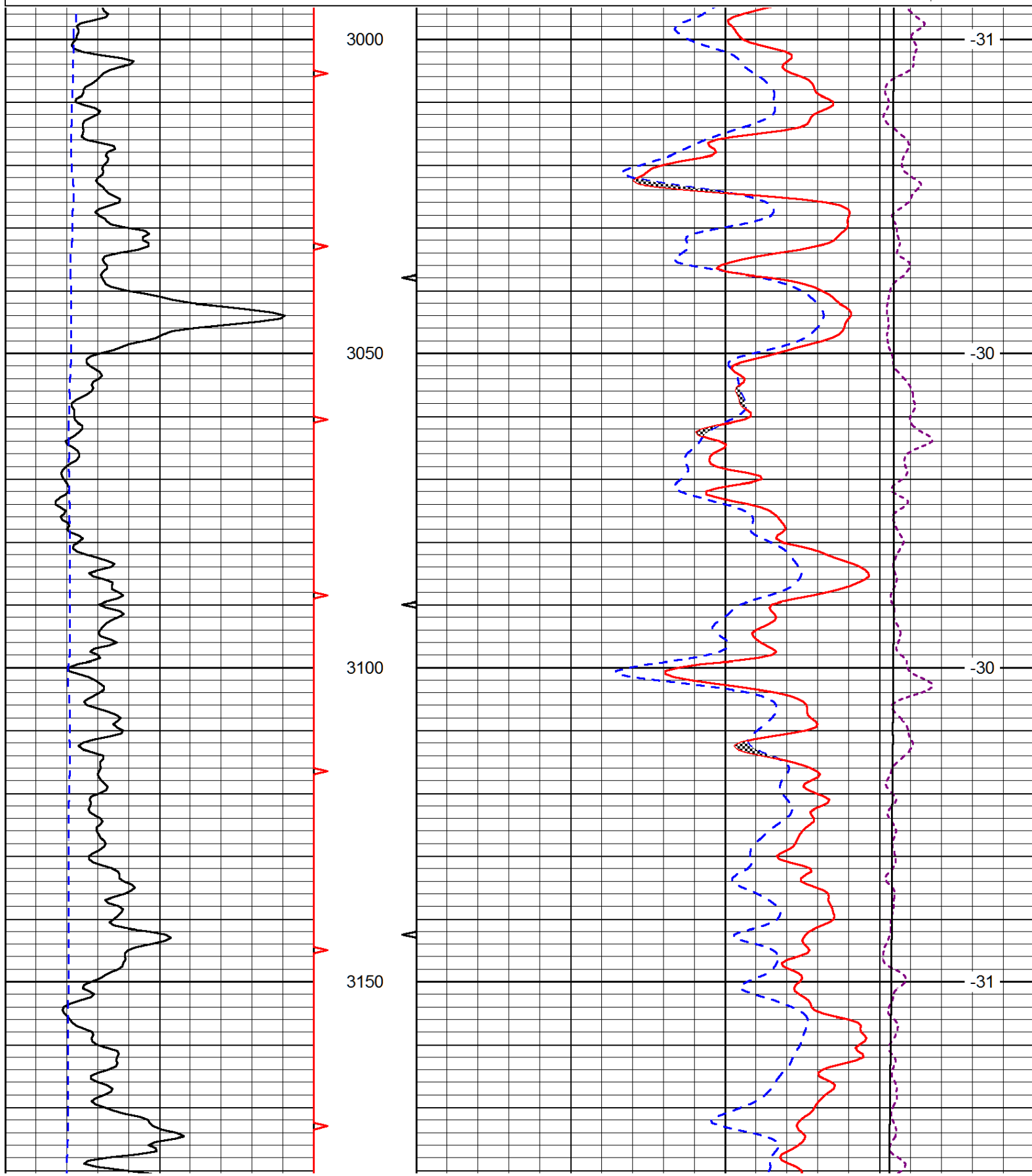
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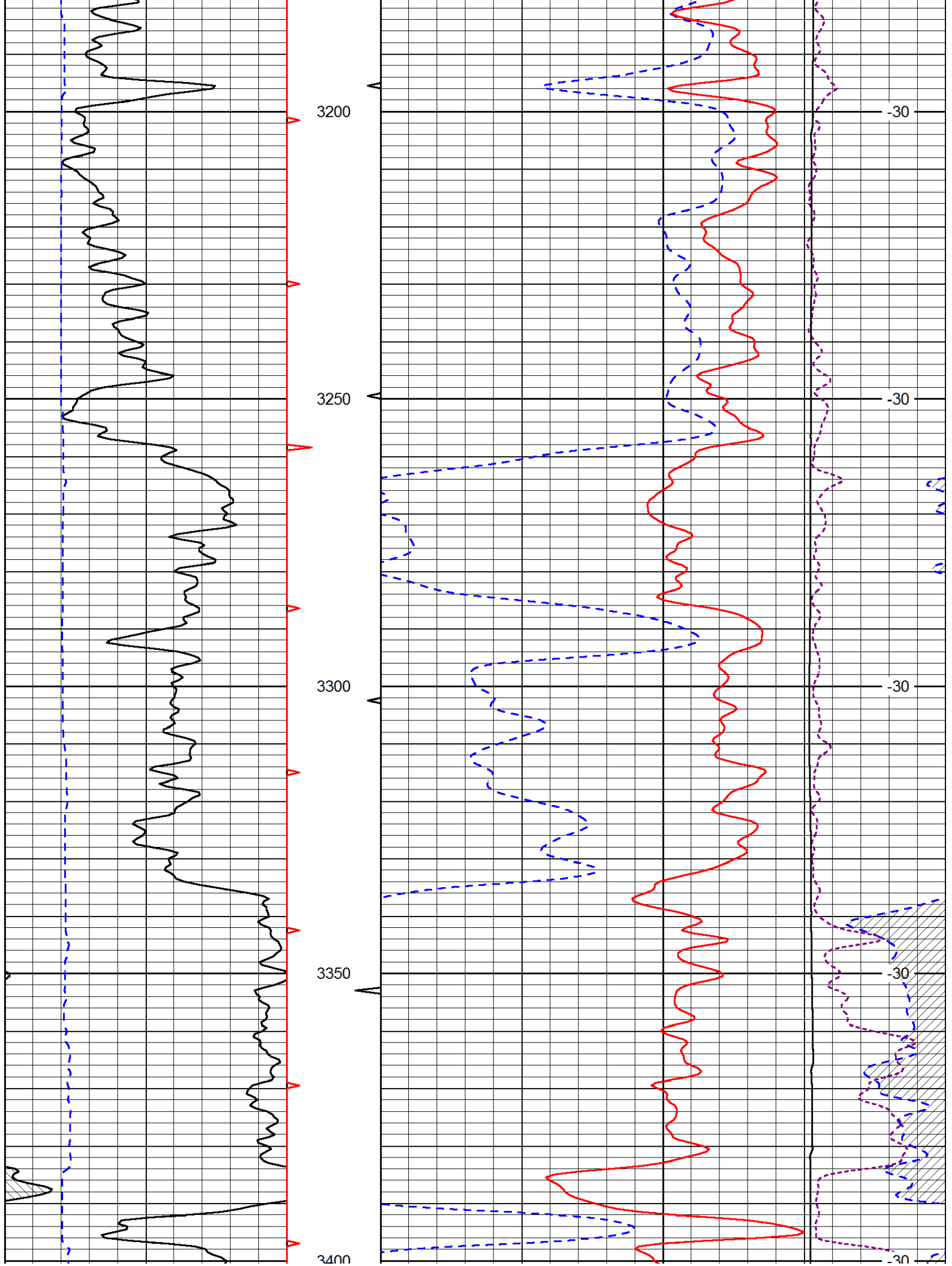
Depth in Feet scaled 1:240

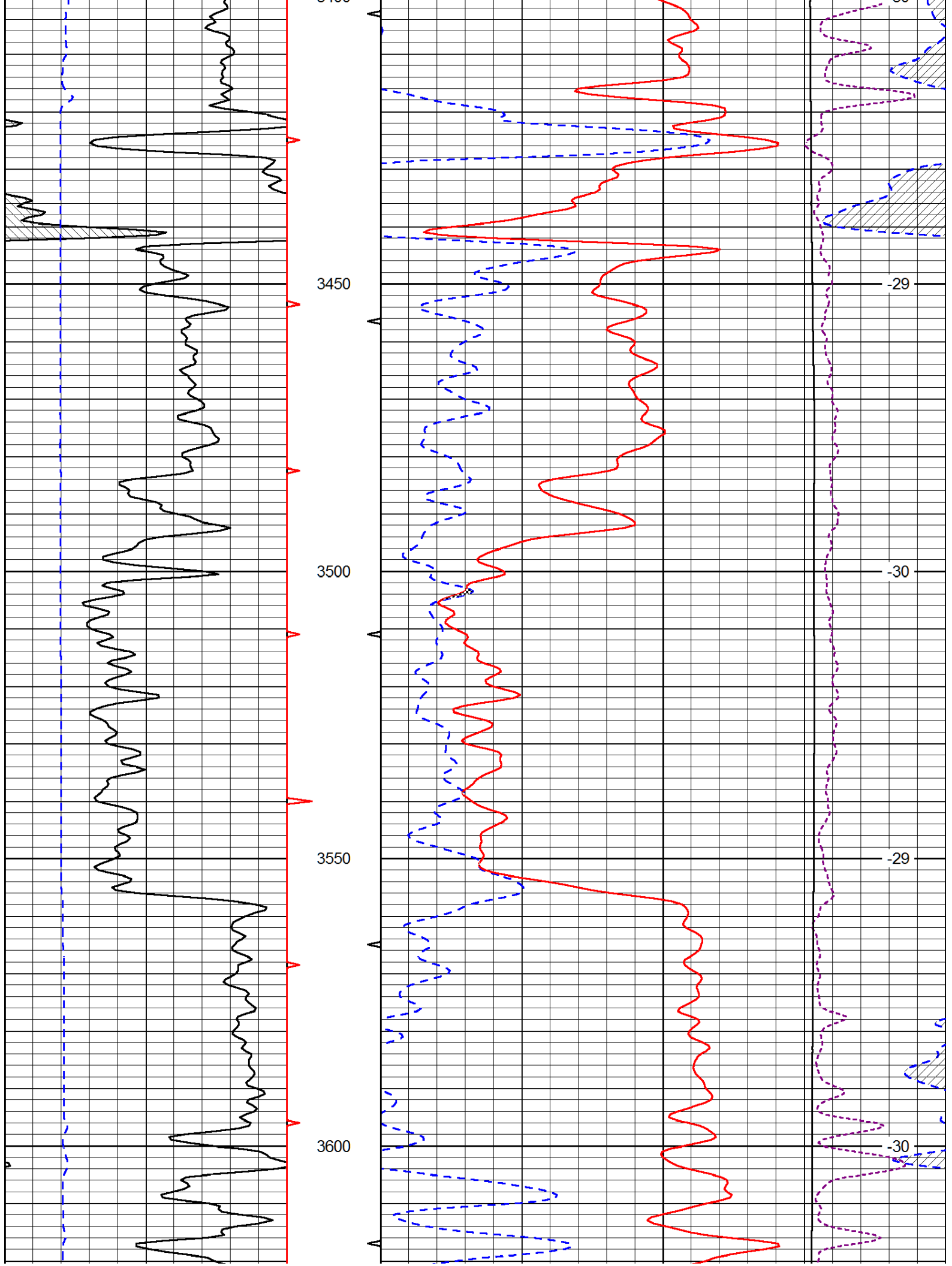
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6	Caliper (in)	16

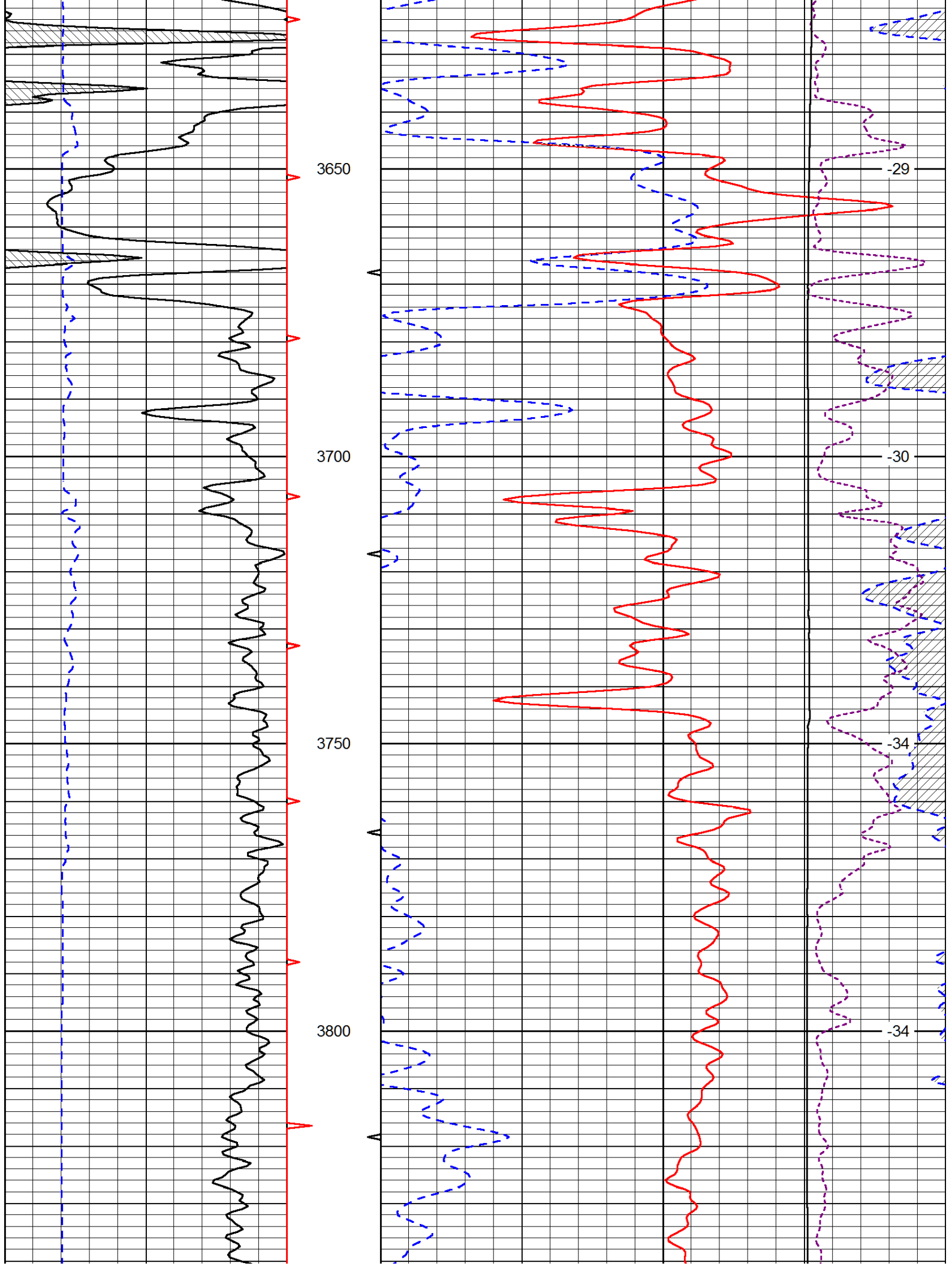
30	CNLS (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

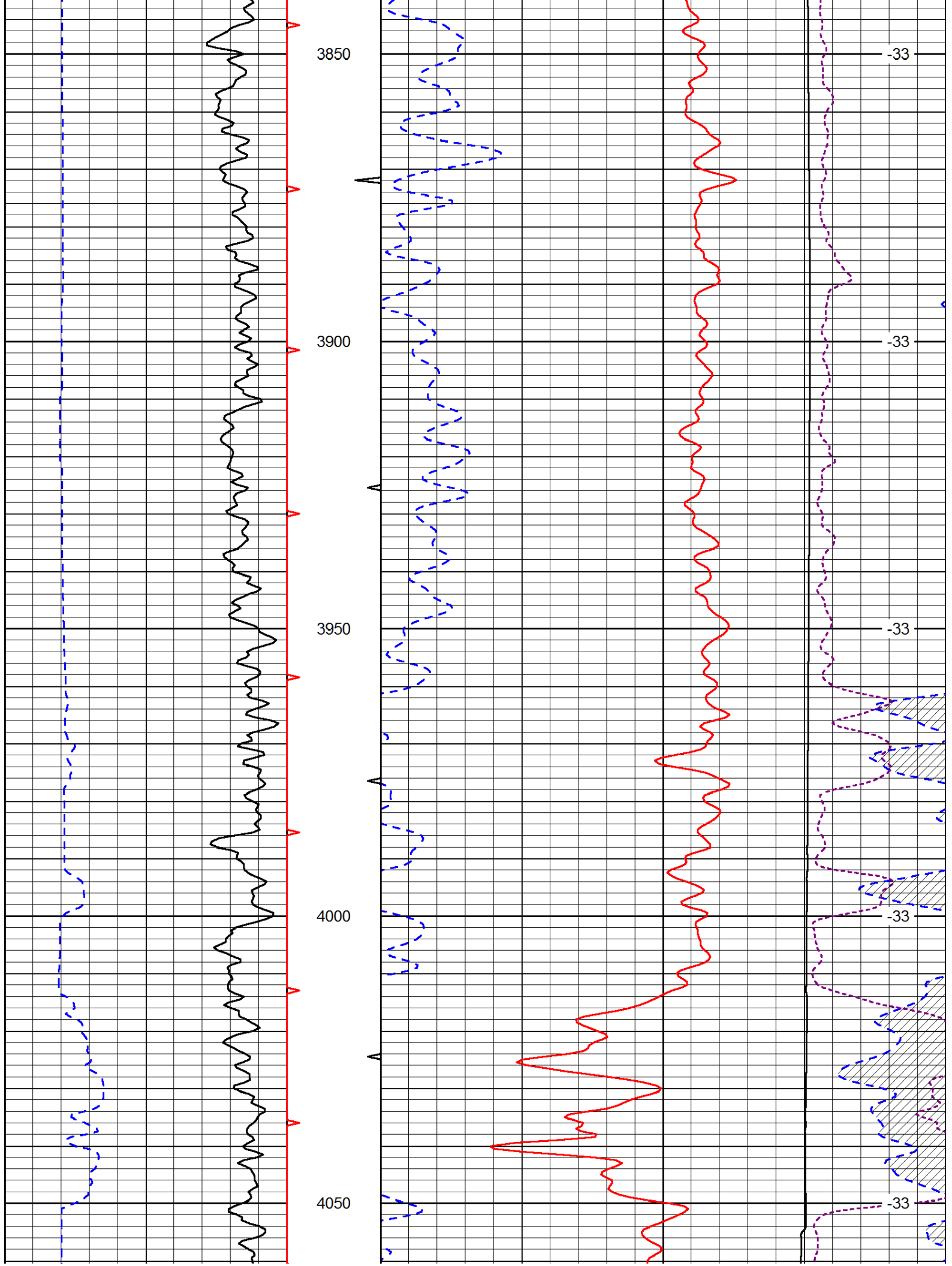
LSPD
(ft/min)

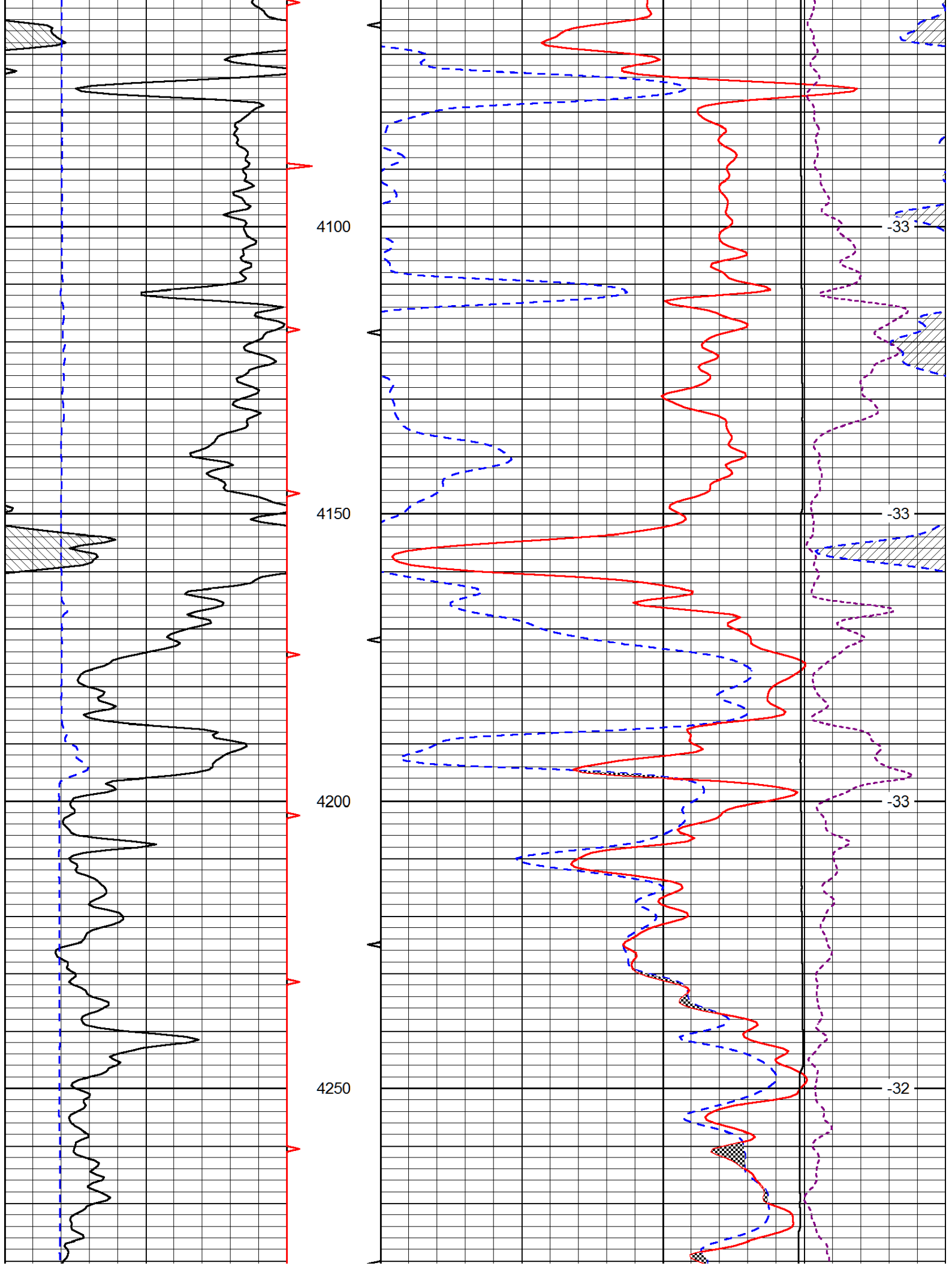


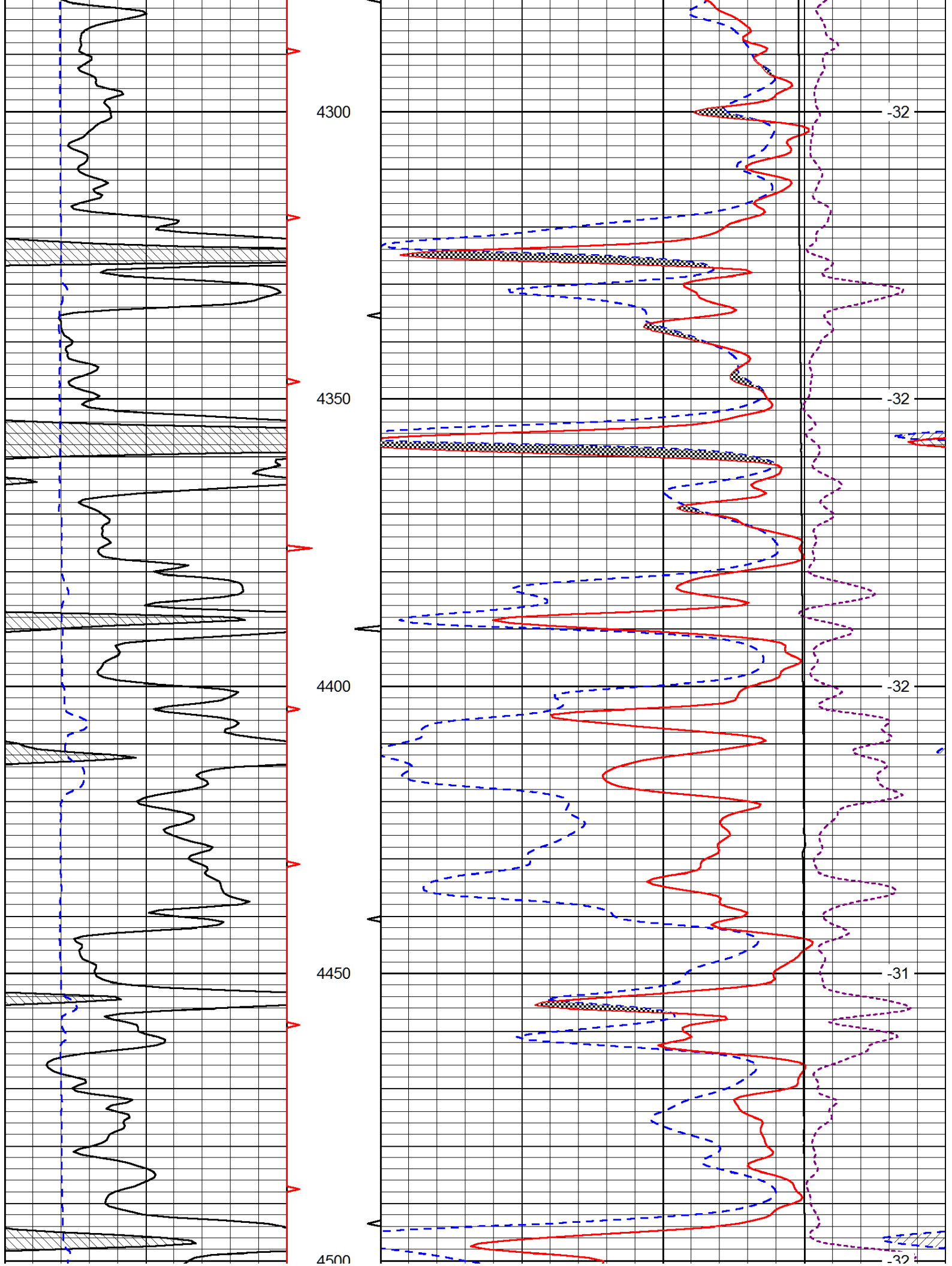


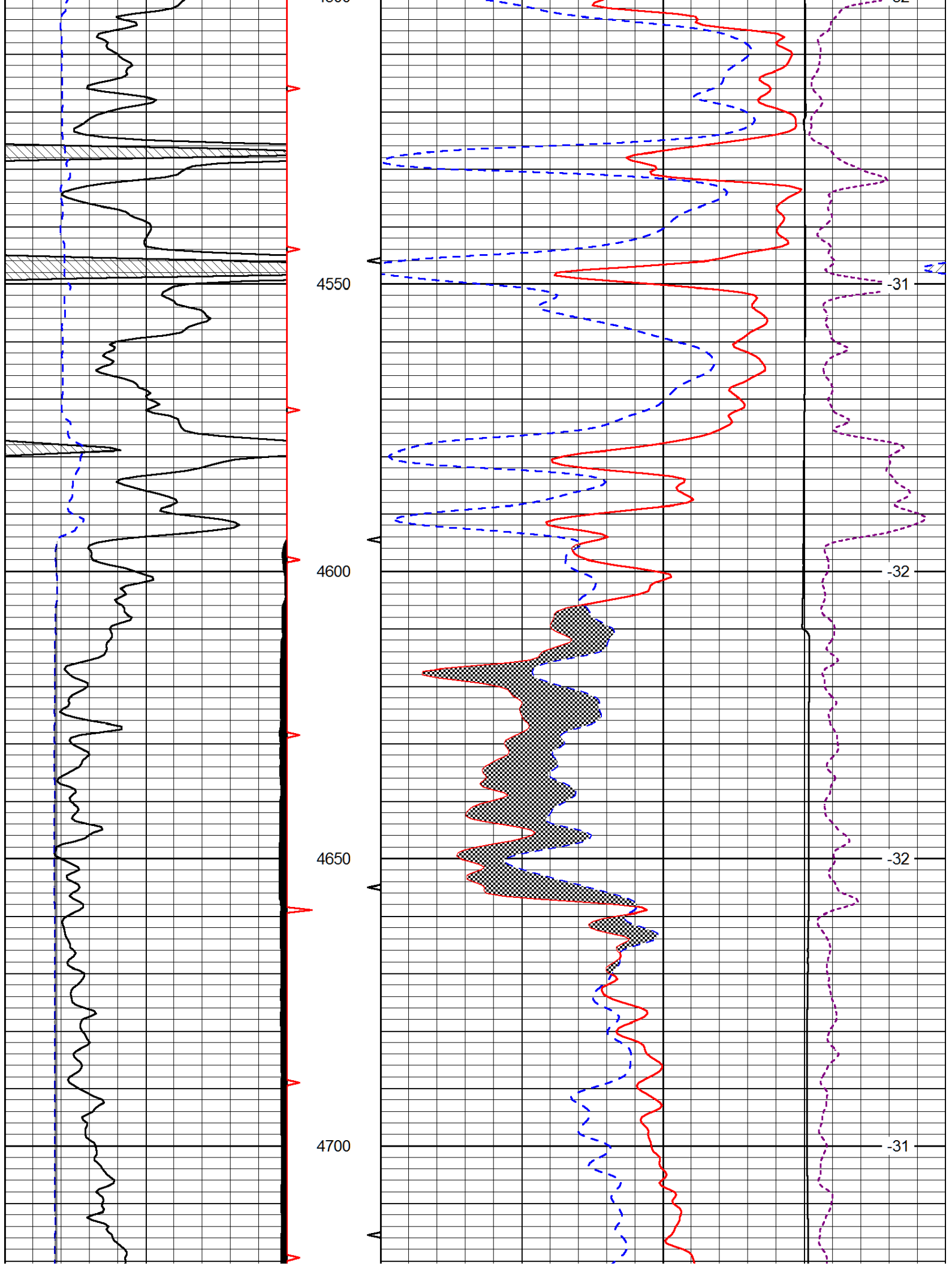


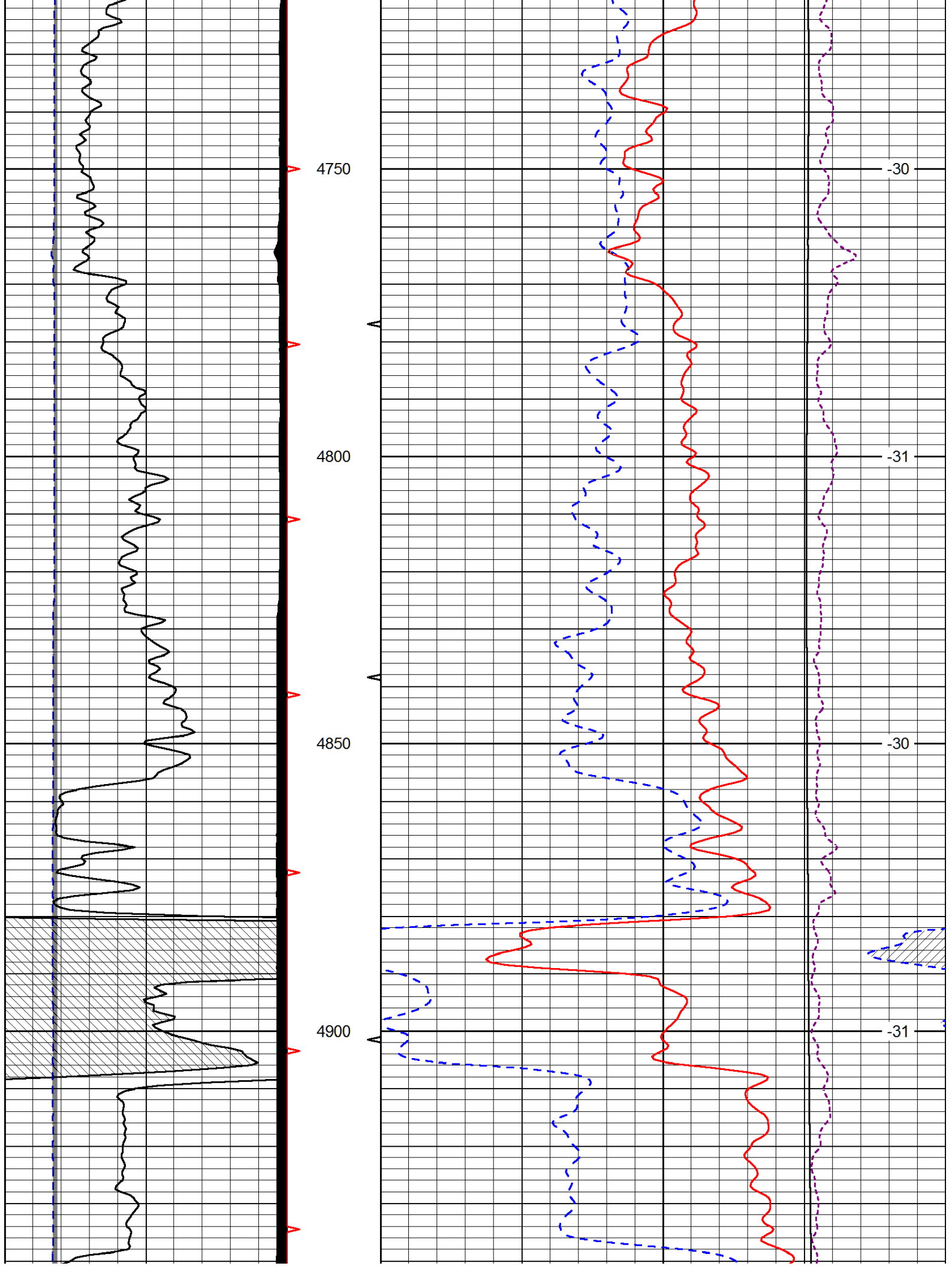


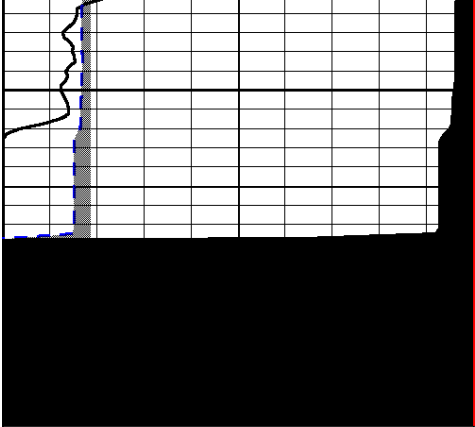




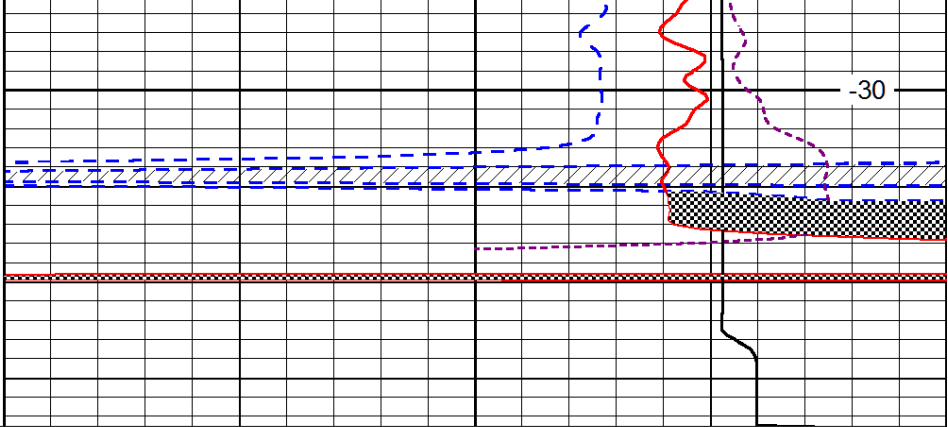








4950



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

-0.25	Correction (g/cc)	0.25
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LSPD
(ft/min)