

MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Lebsack Oil Production, Inc.

Well Garden City #9-18

Field Damme

County Finney State Kansas

Location: API #: 15-055-22553-00-00

Other Services

NW-SE-SE-SE
335 FSL & 335 FEL

DIL/MEL

SEC 18 TWP 22S RGE 33W

Permanent Datum Ground Level Elevation 2897
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2908
D.F.
G.L. 2897

Date 4/1/2022

Run Number One

Type Log CNL/CDL

Depth Driller 4865

Depth Logger 4869

Bottom Logged Interval 4848

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 2400

Density 9.4

Level Full

Max. Rec. Temp. F 125

Operating Rig Time 3 Hours

Equipment -- Location P-24 Hays

Recorded By T. Martin

Witnessed By Josh Austin

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One 12.25 00 439 8.625 23# 00 439

Two 7.875 439 TD

<<< Fold Here >>>

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

Holcomb, KS, N on Big Lowe Rd to Barlow Rd,
1 E, 1/4 N, W into

Log Measured From: Kelly Bushing

11 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

This Log Record Was Witnessed By

Engineer: T. Martin
Operator:
Operator:
Operator:

Primary Witness: Josh Austin
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\lebsack_garden city #9-18.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	-300	50		4869

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth



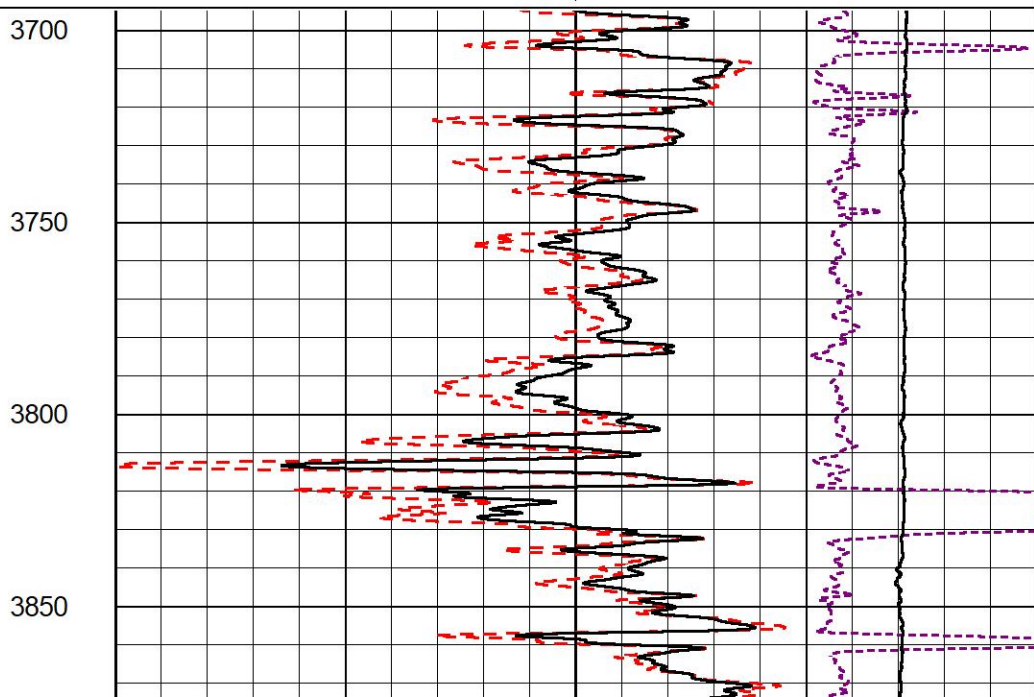
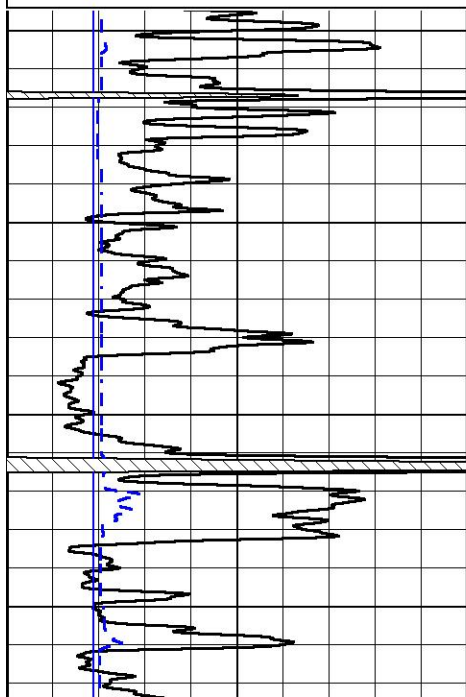
2" SCALE BULK DENSITY

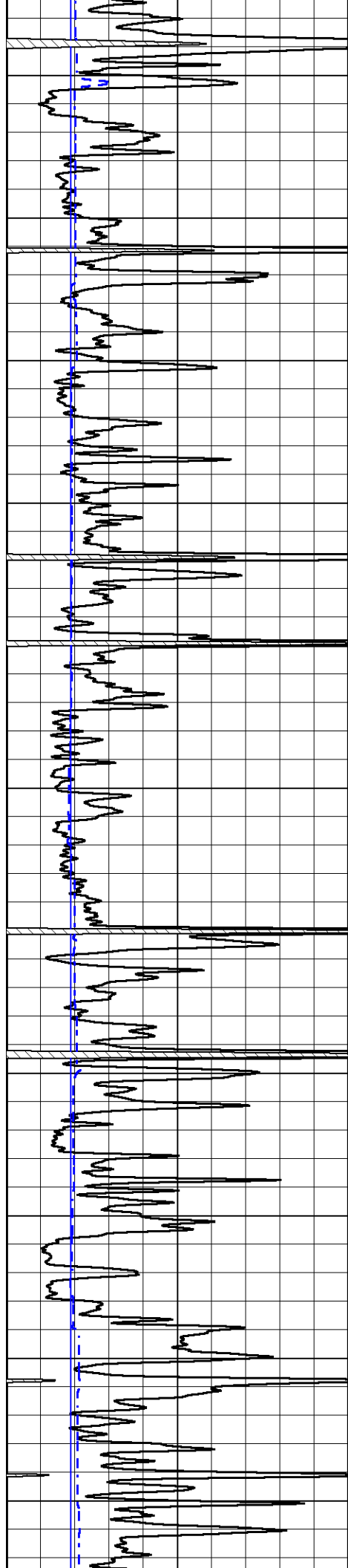
MAIN PASS

Database File lebsack_garden city #9-18.db
Dataset Pathname Stack/pass3.3
Presentation Format _cdl
Dataset Creation Fri Apr 01 03:14:35 2022
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
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25





3900

3950

4000

4050

4100

4150

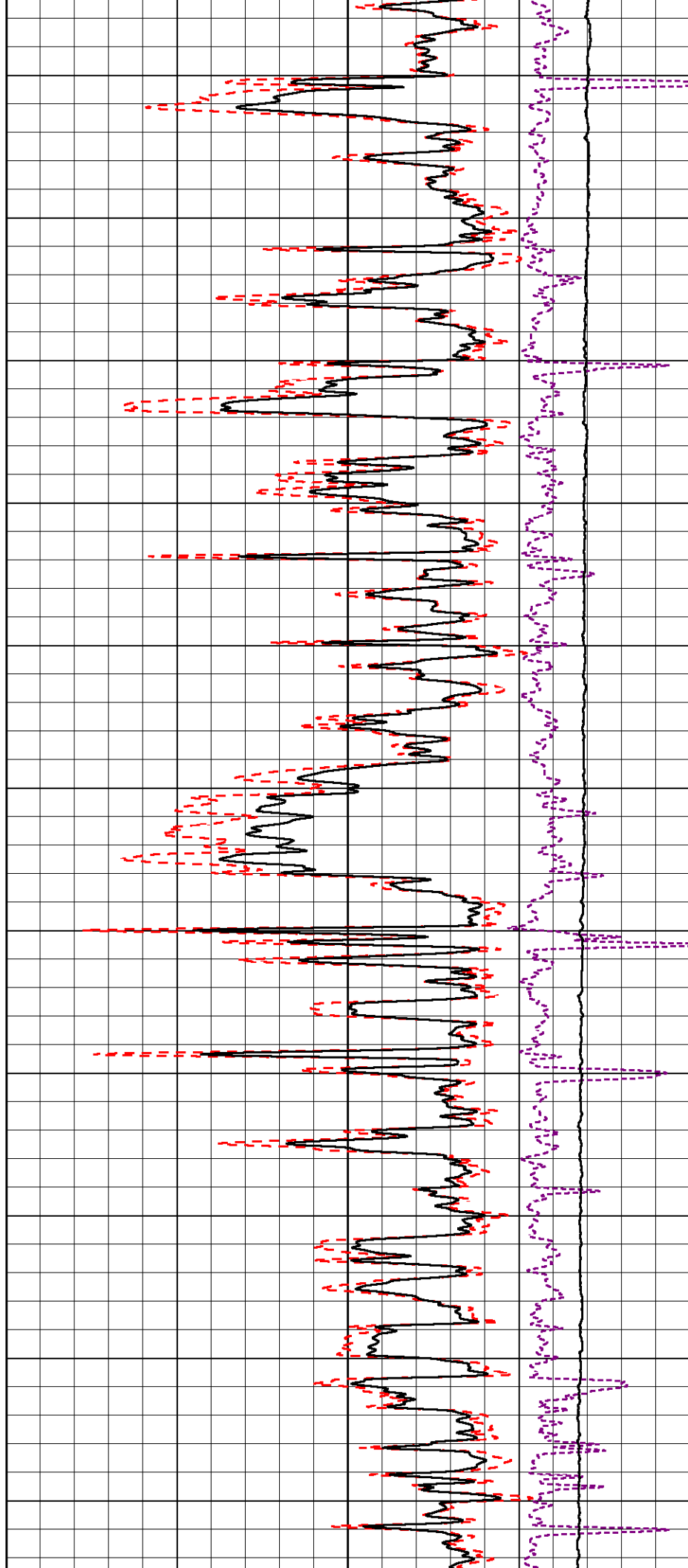
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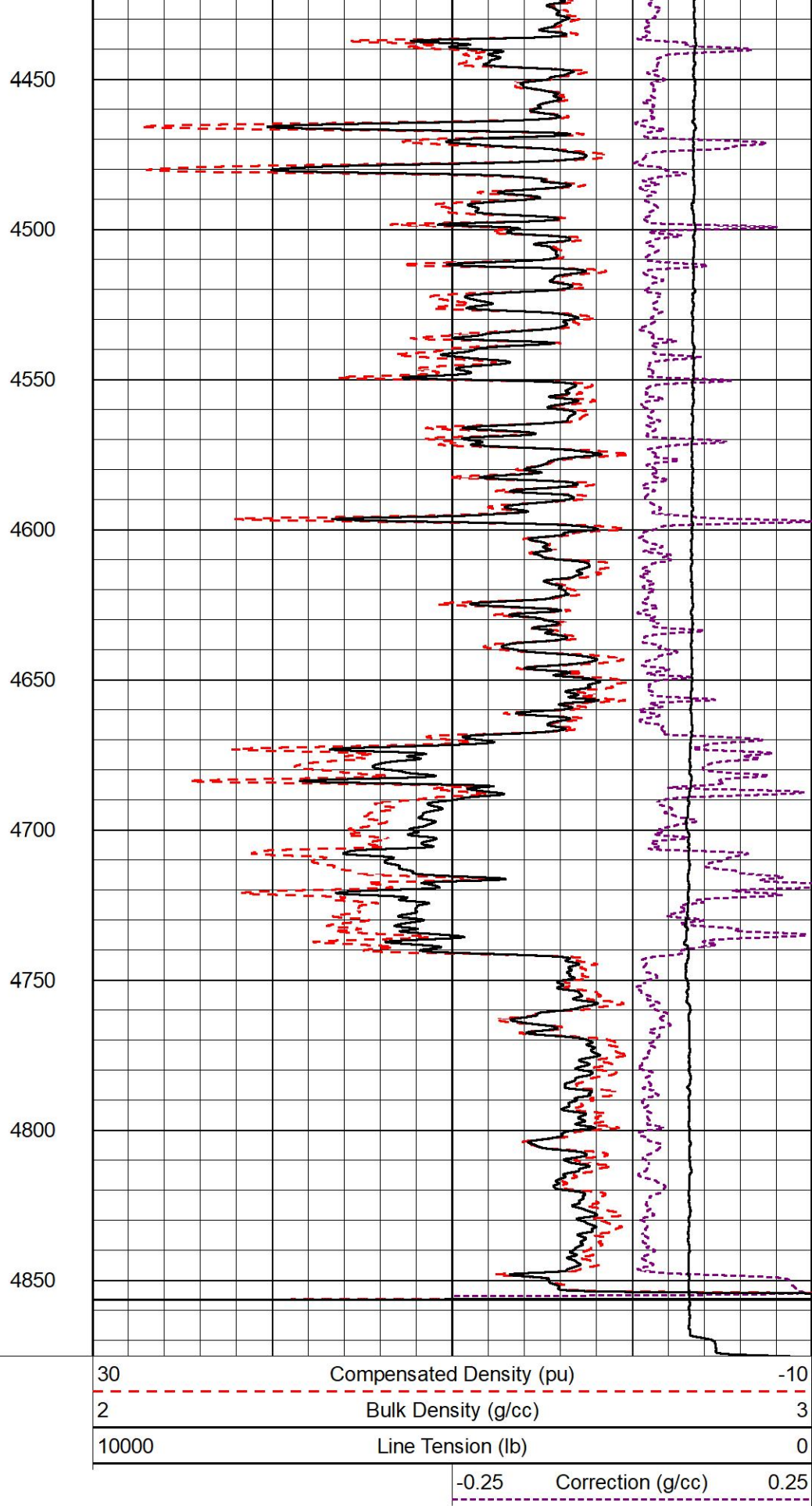
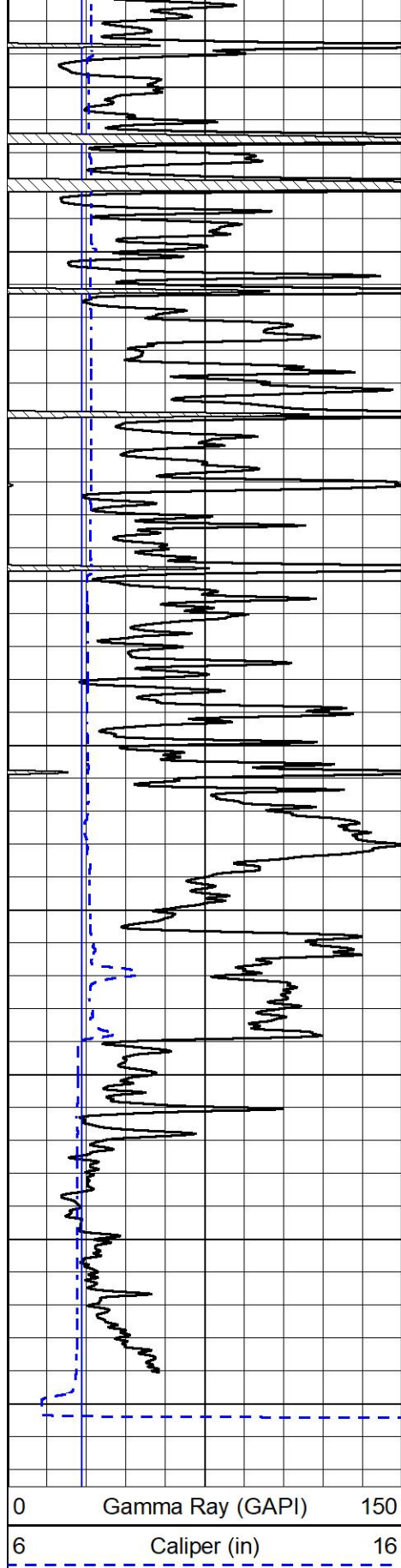
4250

4300

4350

4400

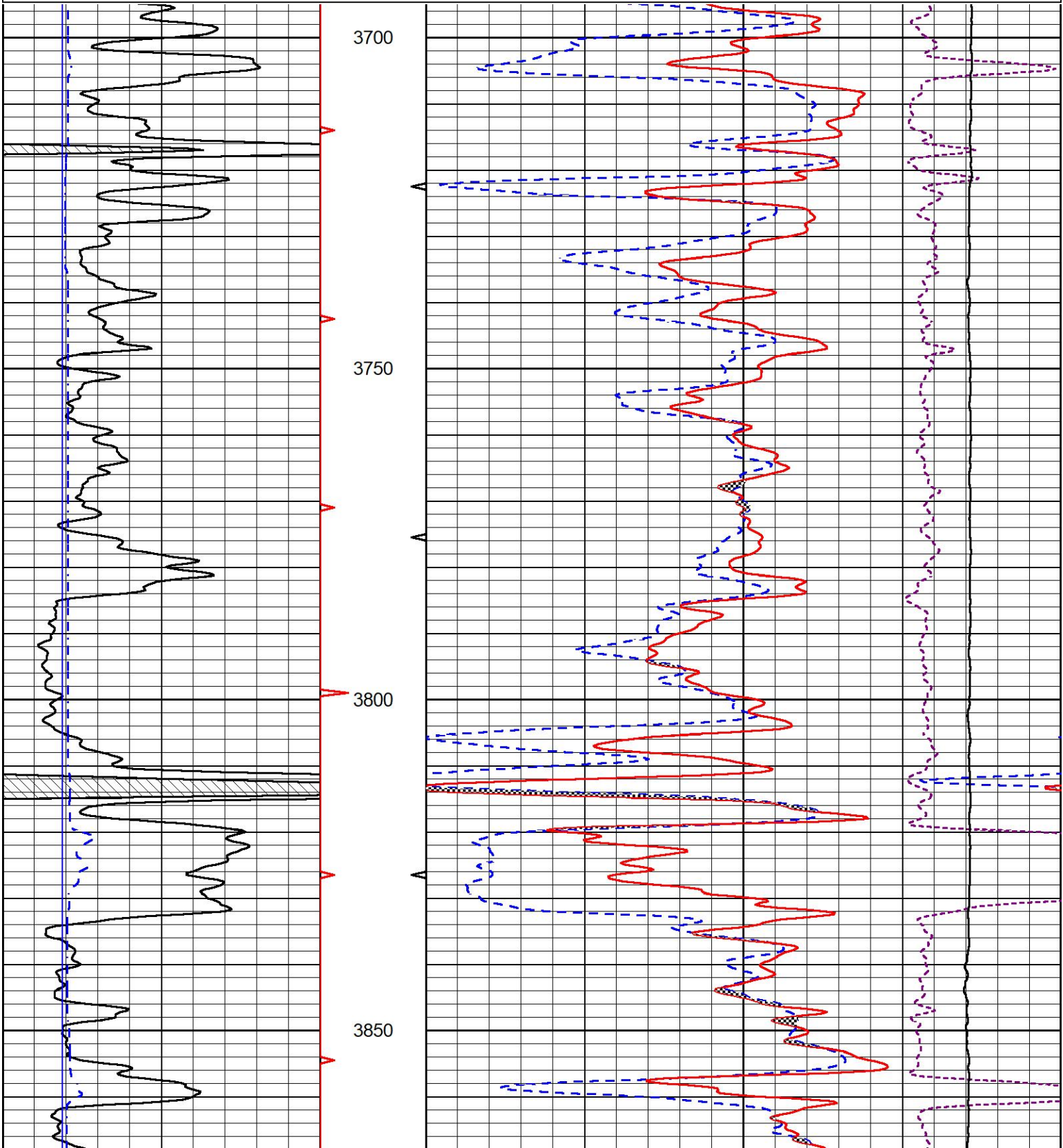


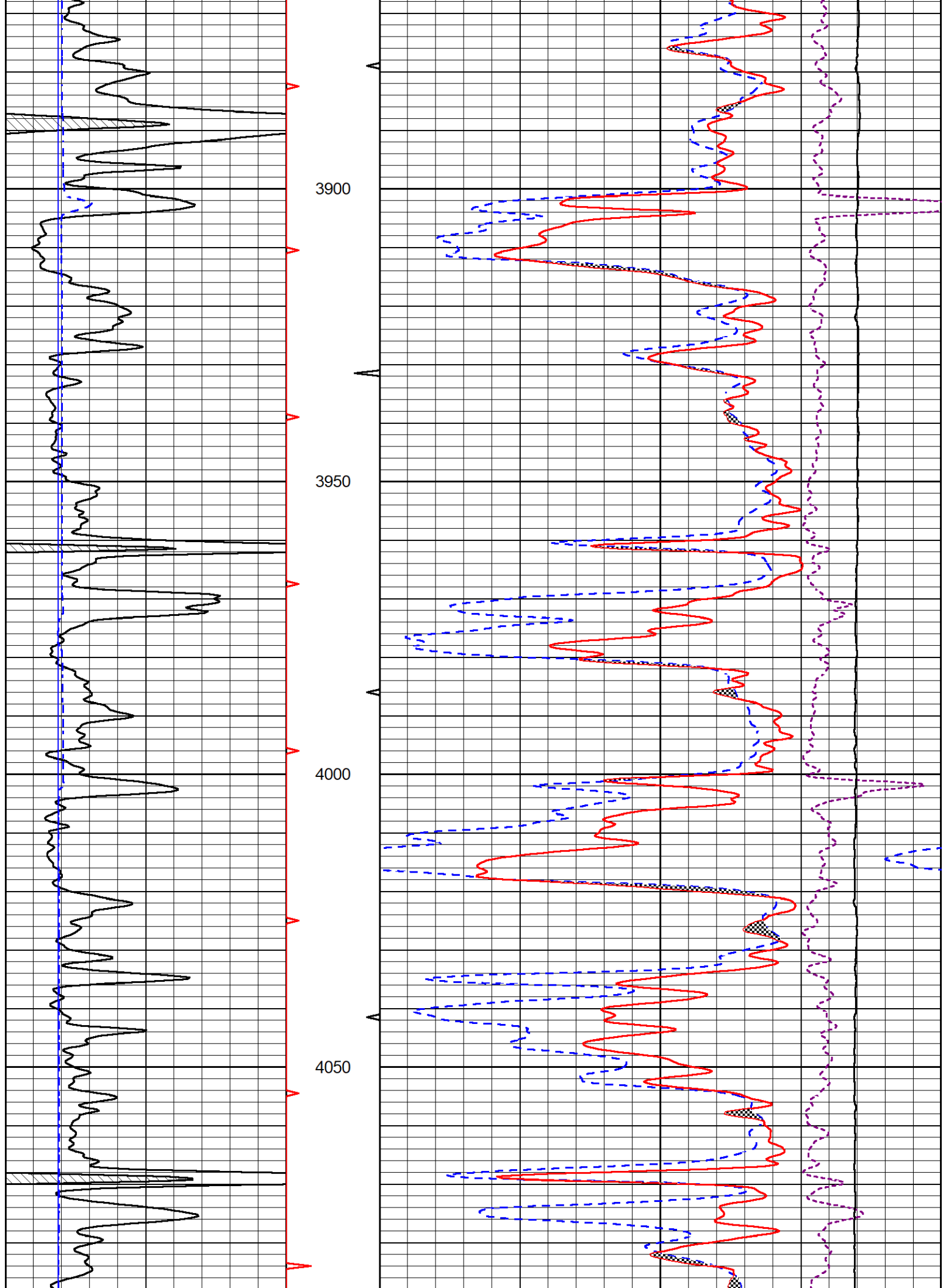


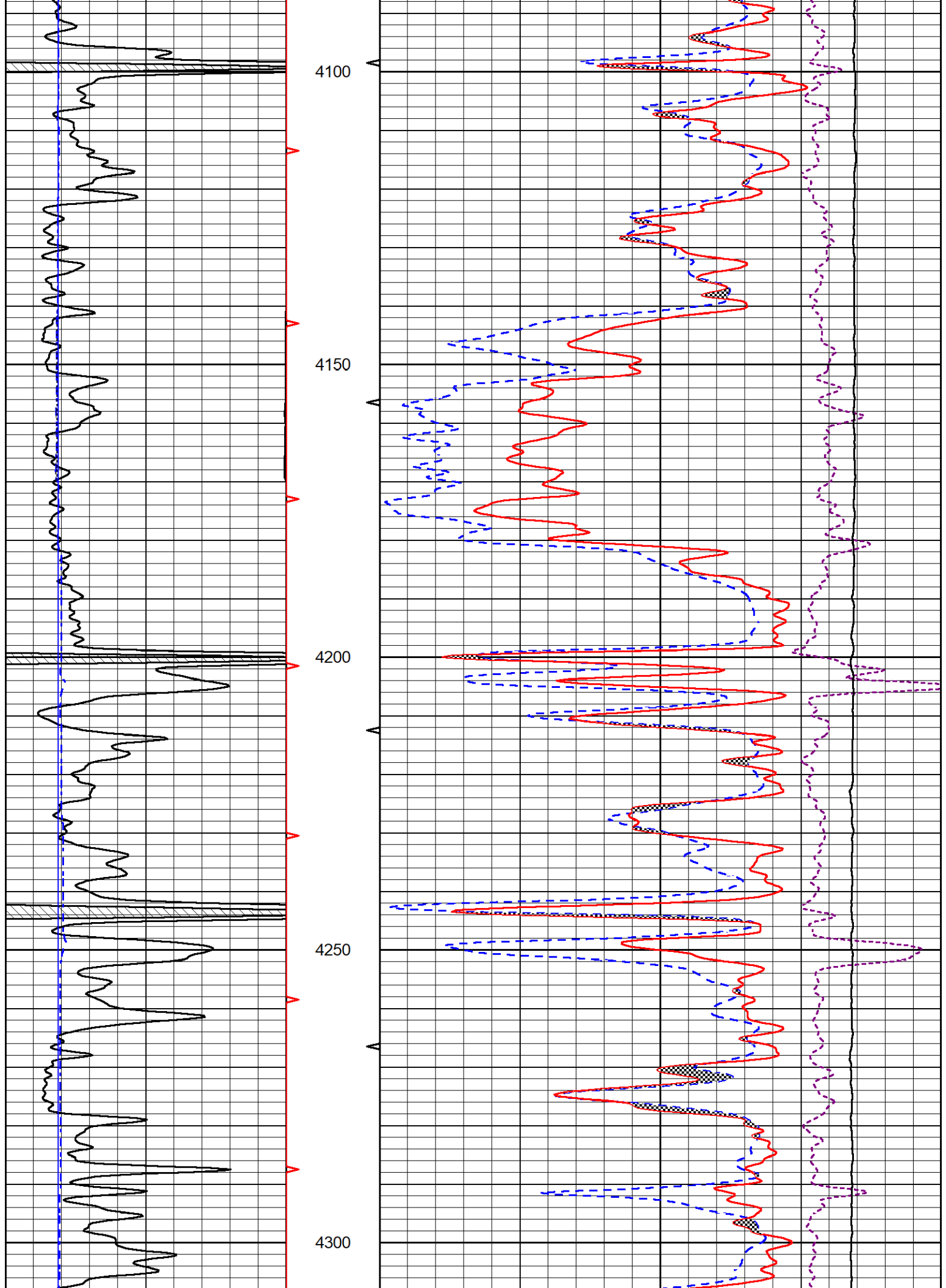
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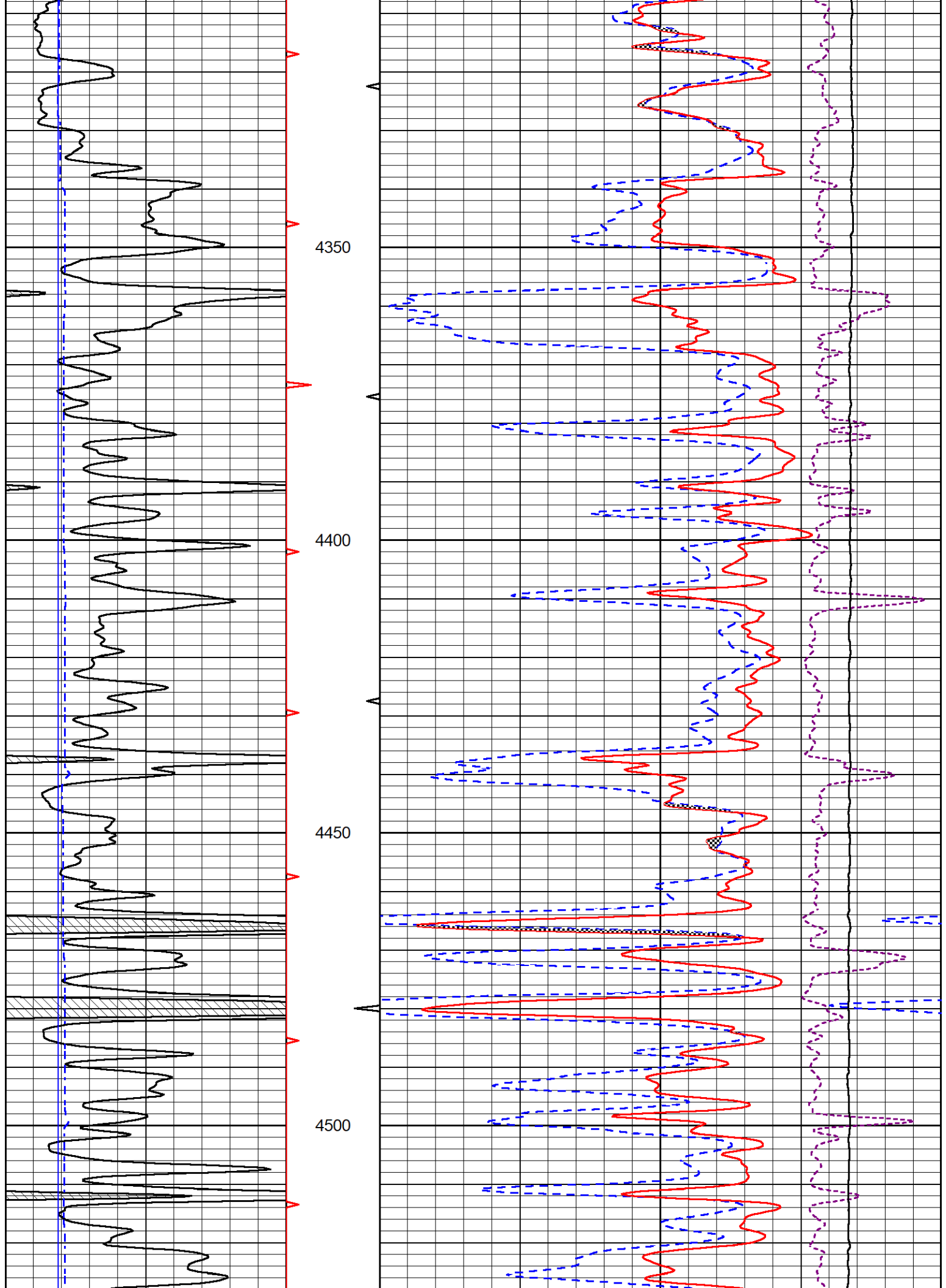
Database File lebsack_garden city #9-18.db
Dataset Pathname Stack/pass3.1
Presentation Format _cndlspec
Dataset Creation Fri Apr 01 03:51:09 2022
Charted by Depth in Feet scaled 1:240

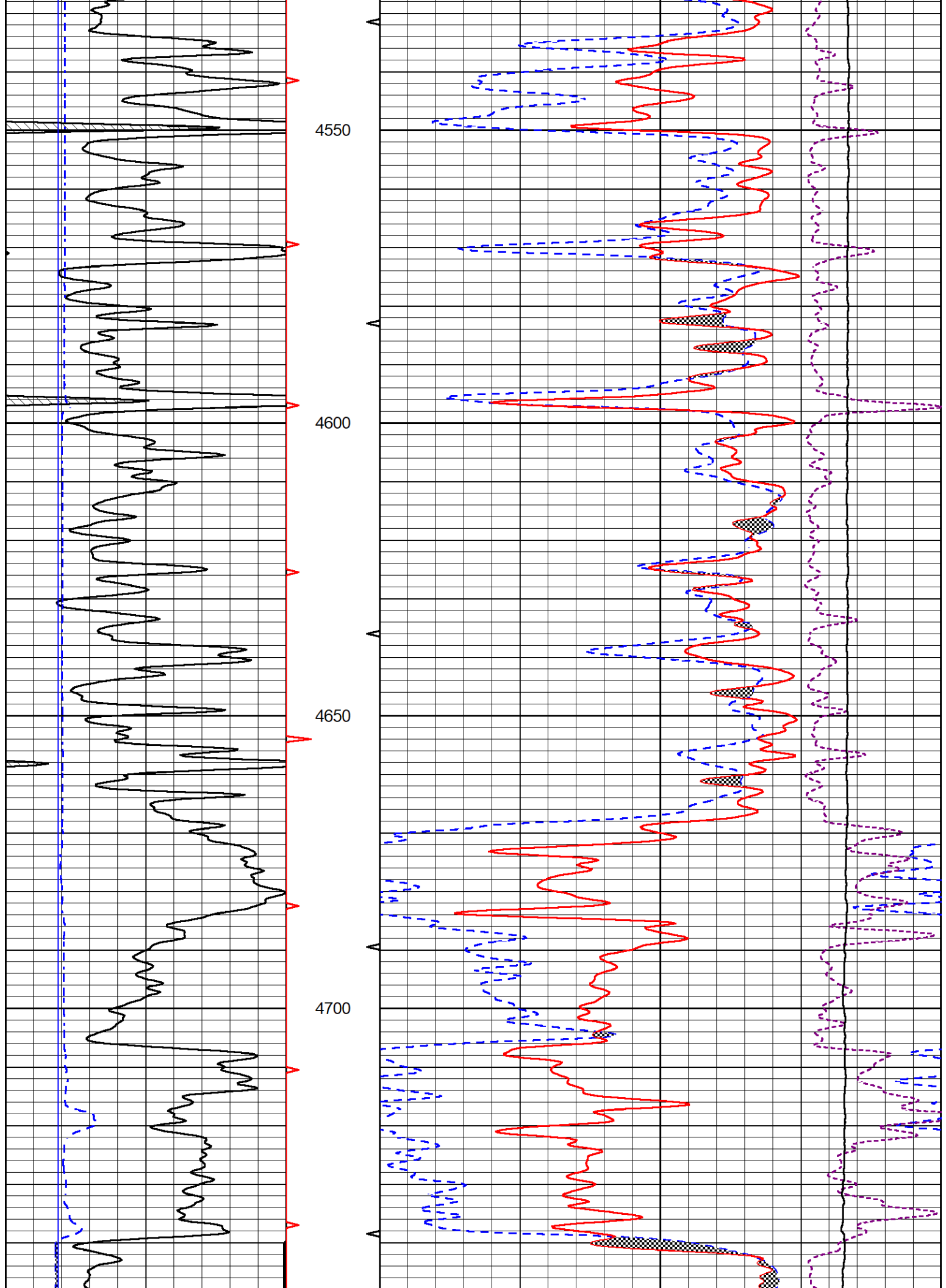
0	Gamma Ray (GAPI)	150	30	Compensated Neutron (pu)	-10
6	Caliper (in)	16	30	Compensated Density (pu)	-10
			10000	Line Tension (lb)	0
				-0.25	Correction (g/cc) 0.25

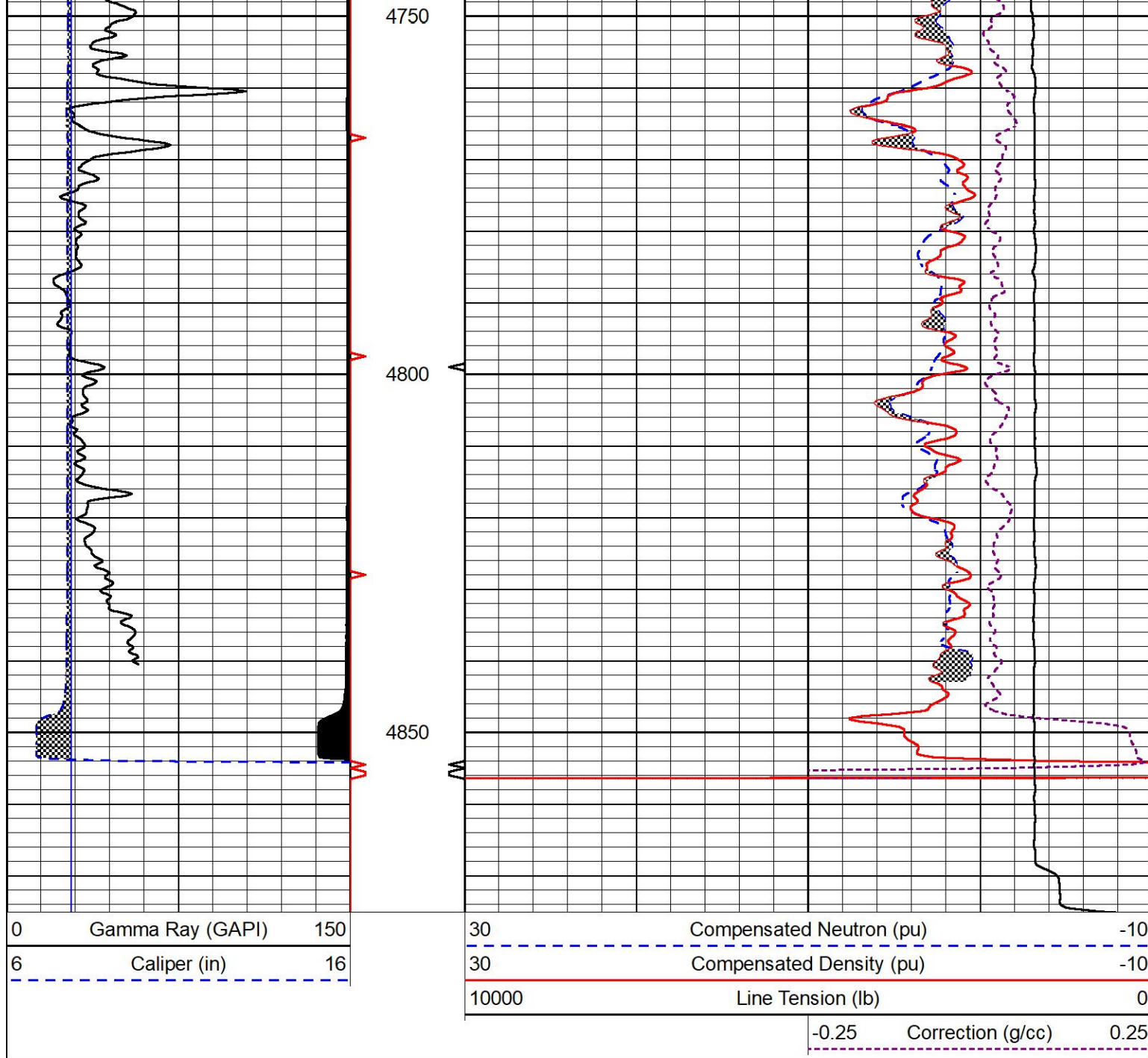








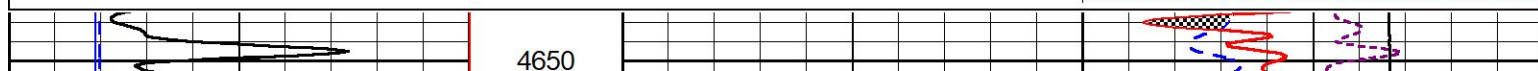
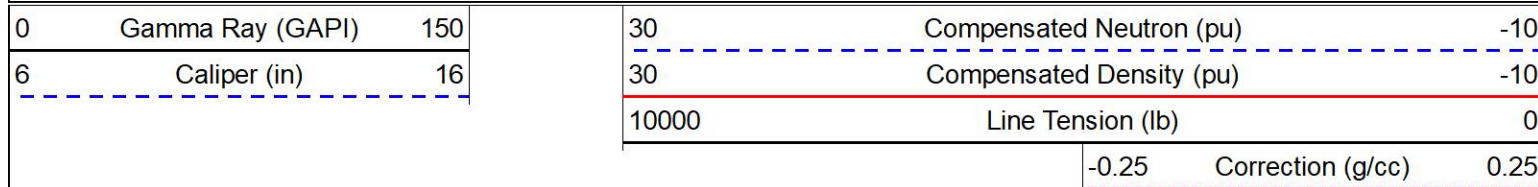


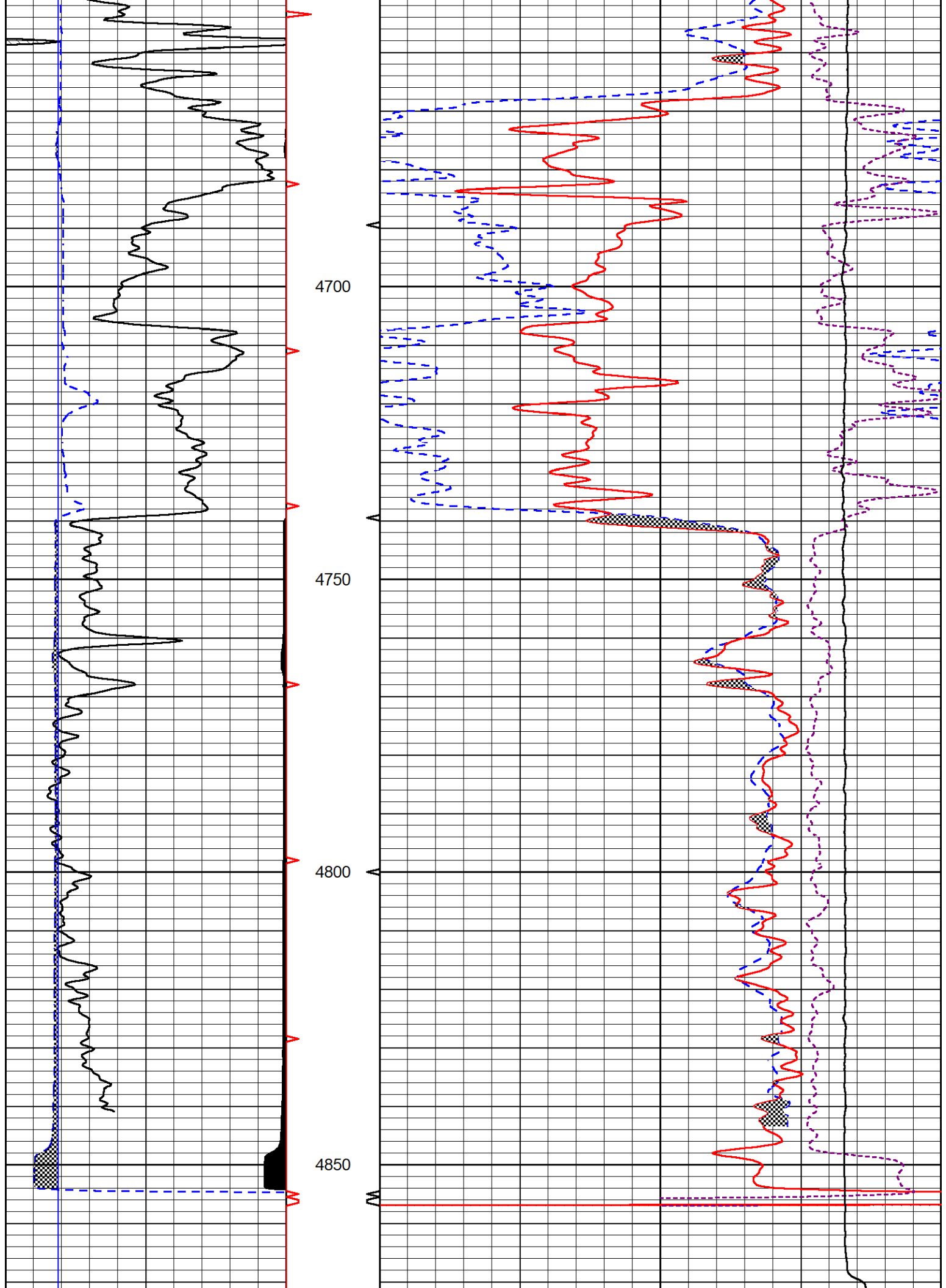


REPEAT SECTION

REPEAT PASS

Database File lebsack_garden city #9-18.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Fri Apr 01 02:59:40 2022
 Charted by Depth in Feet scaled 1:240





0	Gamma Ray (GAPI)	150	30	Compensated Neutron (pu)	-10
6	Caliper (in)	16	30	Compensated Density (pu)	-10
			10000	Line Tension (lb)	0
				-0.25	Correction (g/cc) 0.25

Calibration Report									
Database File	lebsack_garden city #9-18.db								
Dataset Pathname	Stack/pass3.1								
Dataset Creation	Fri Apr 01 03:51:09 2022								
Dual Induction Calibration Report									
Serial-Model:				502 HT-M&W					
Surface Cal Performed:				Wed Feb 9 17:39:00 2022					

Serial Number:	101
Tool Model:	M&W
Performed:	Mon Jan 24 19:14:46 2022

Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps



MIDWEST WIRELINE

Company	Lebsack Oil Production, Inc.
Well	Garden City #9-18
Field	Damme
County	Finney
State	Kansas