



DUAL COMP POROSITY LOG

Company **Ritchie Exploration, Inc.**

Well Schneeweis Ventures 13A #1

Field Thunder

County Ford State Kansas

Location: API #: 15-057-21063-00-00

980 FNL & 1505 FEL

SEC 13 TWP 27S RGE 24W

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

Elevation	
K.B.	2440
D.F.	
G.L.	2428

Date	2/25/2022
------	-----------

2/25/2022

Run Number	One
Type Log	CNL/CDL

CNLC/CDL

Depth Driller	5050
Depth Logger	5054

5054

Bottom Logged Interval	5025
Top Logged Interval	3400

3400

Type Fluid In Hole	Chemical
Salinity, PPM CL	4300

4300

Density	9.4
Level	Full

Full

Max. Rec. Temp. F	12/
Operating Rig Time	4 Hours

4 Hours

Equipment -- Location	P-108	HA
Recorded By	J. Henrickson	

Henricks

Witnessed By	Kent Matso
Borehole Record	

--	--

Run No.	Bit	From	10
One	12.25	0	373

373

Two	7.875	373	TD

--	--

--	--

<<< Fold Here >>>

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

Wright Kansas
South to Lariat Way, 3/4 East,
North Into

Log Measured From: Kelly Bushing 12 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: J. Henrickson
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Kent Matson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 480	degF 0	Off	ft 5054

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (303-03)	8.50	4.00	250.00
ML-PSI STKBL ML			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58					
RLL3F RLL3	15.50 15.50					
CILD	8.33		DIL-M&W (504 HT)	18.25	3.50	220.00

CILM

4.50

SP

0.20

Dataset: ritchie_schneweis_ventures_13a_1.db: field/well/stackml/pass3.1
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in



MIDWEST WIRELINE

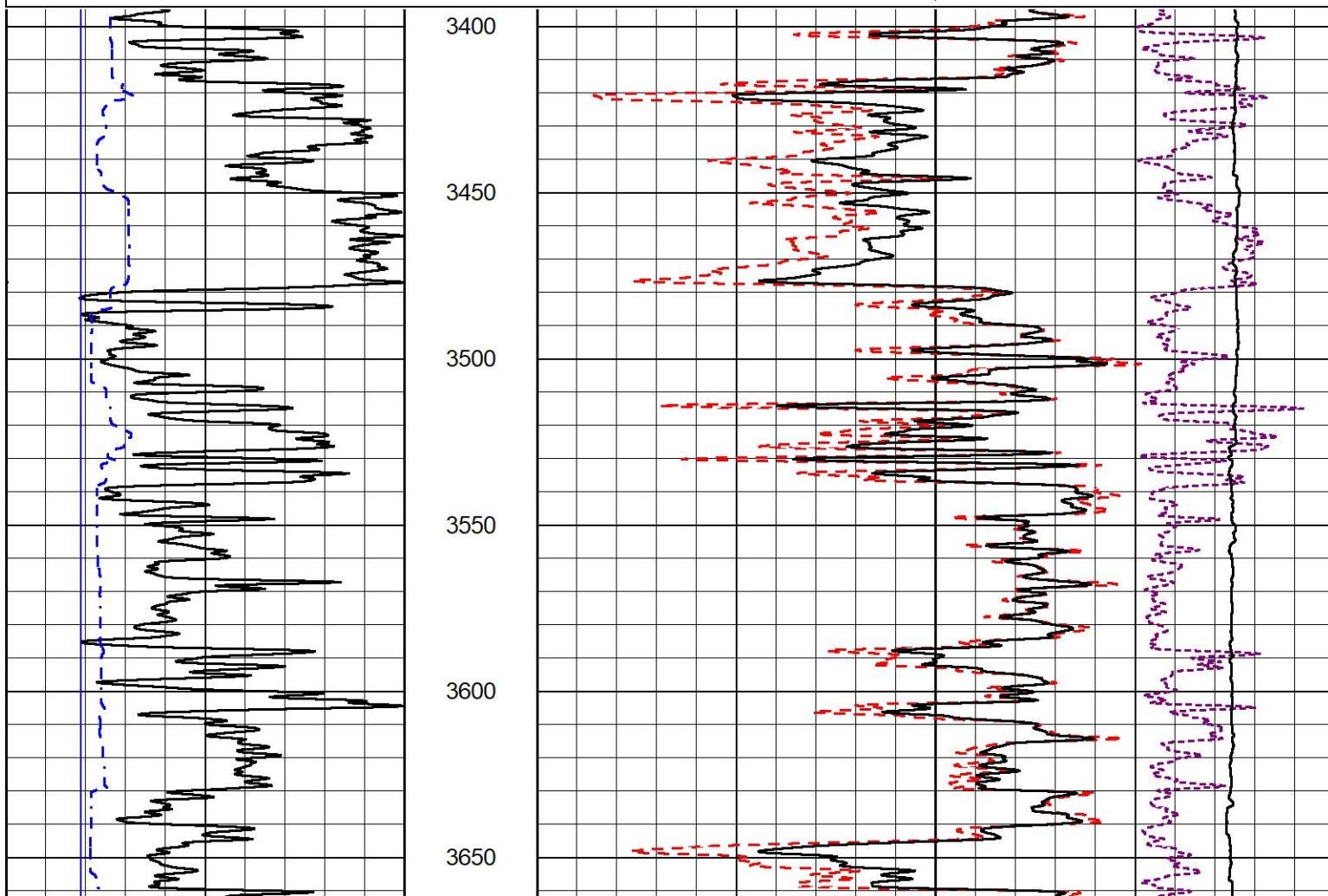
2" SCALE BULK DENSITY

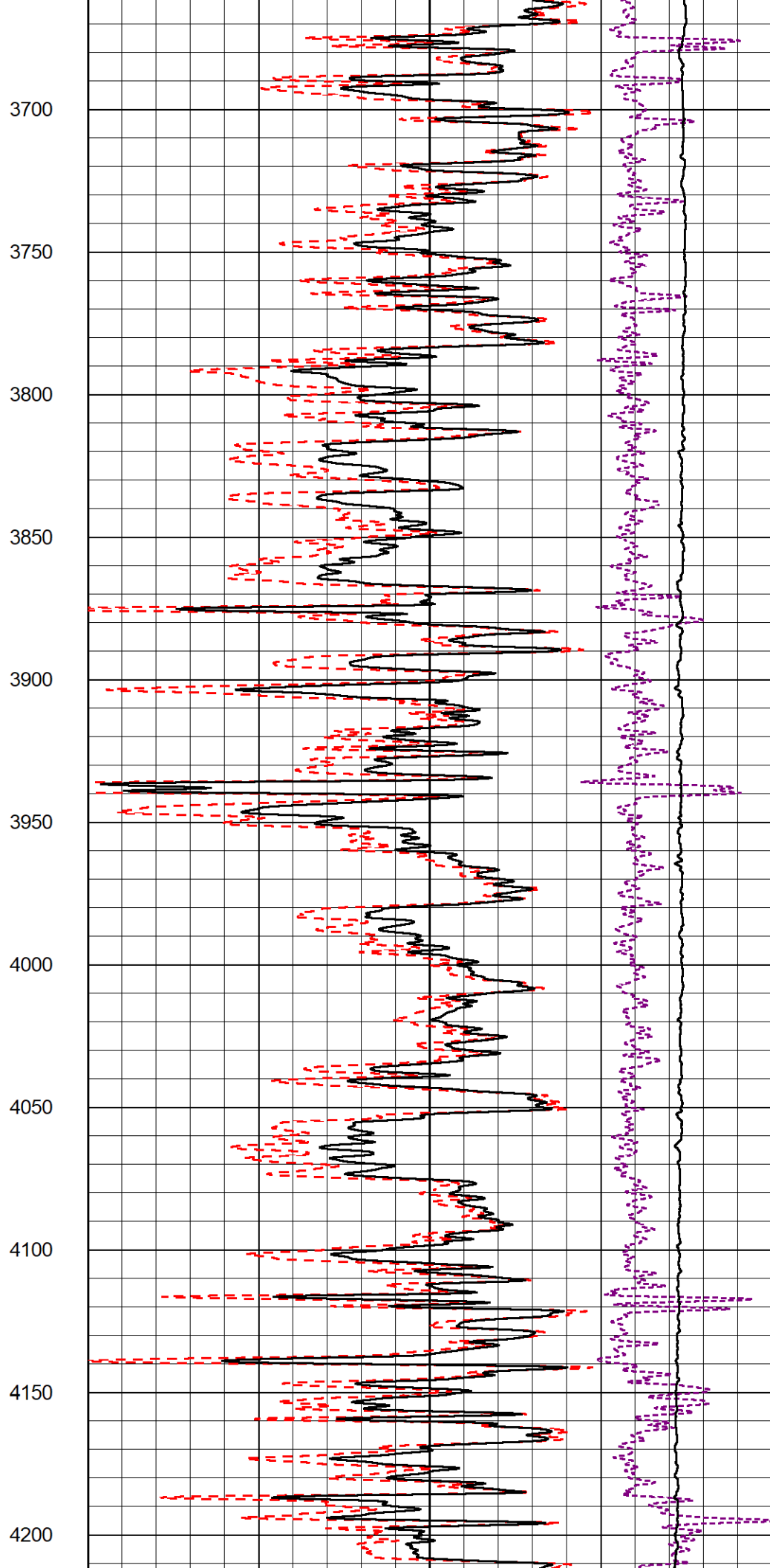
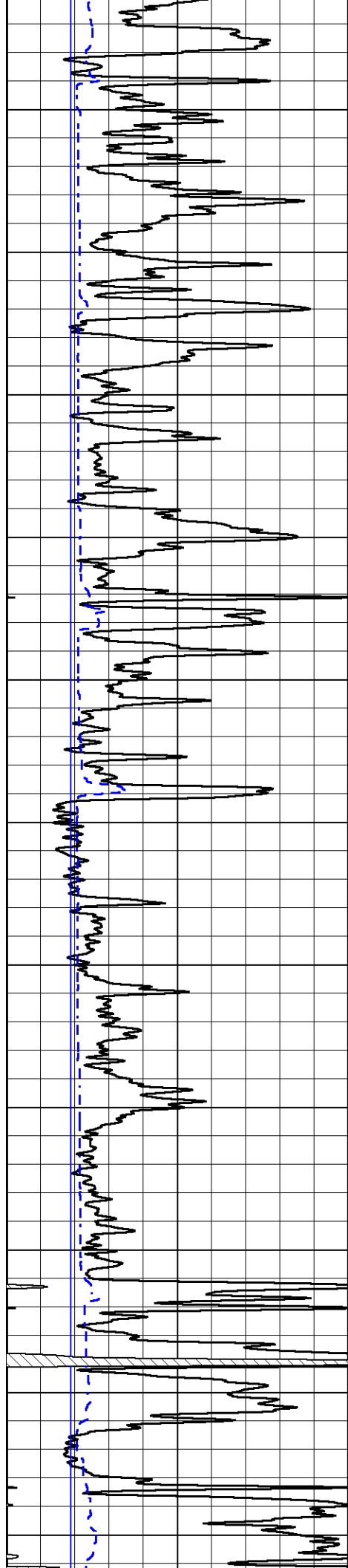
MAIN PASS

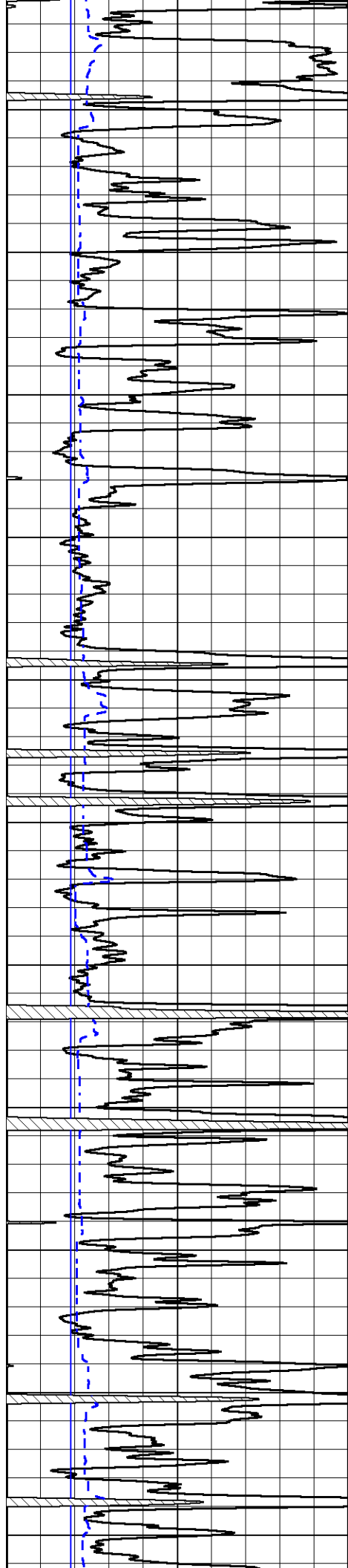
Database File ritchie_schneweis_ventures_13a_1.db
 Dataset Pathname stackml/pass3.1
 Presentation Format _cdl
 Dataset Creation Fri Feb 25 11:57:26 2022
 Charted by Depth in Feet scaled 1:600

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

30 Compensated Density (pu) -10
 2 Bulk Density (g/cc) 3
 15000 Line Tension (lb) 0
 -0.25 Correction (g/cc) 0.25







4250

4300

4350

4400

4450

4500

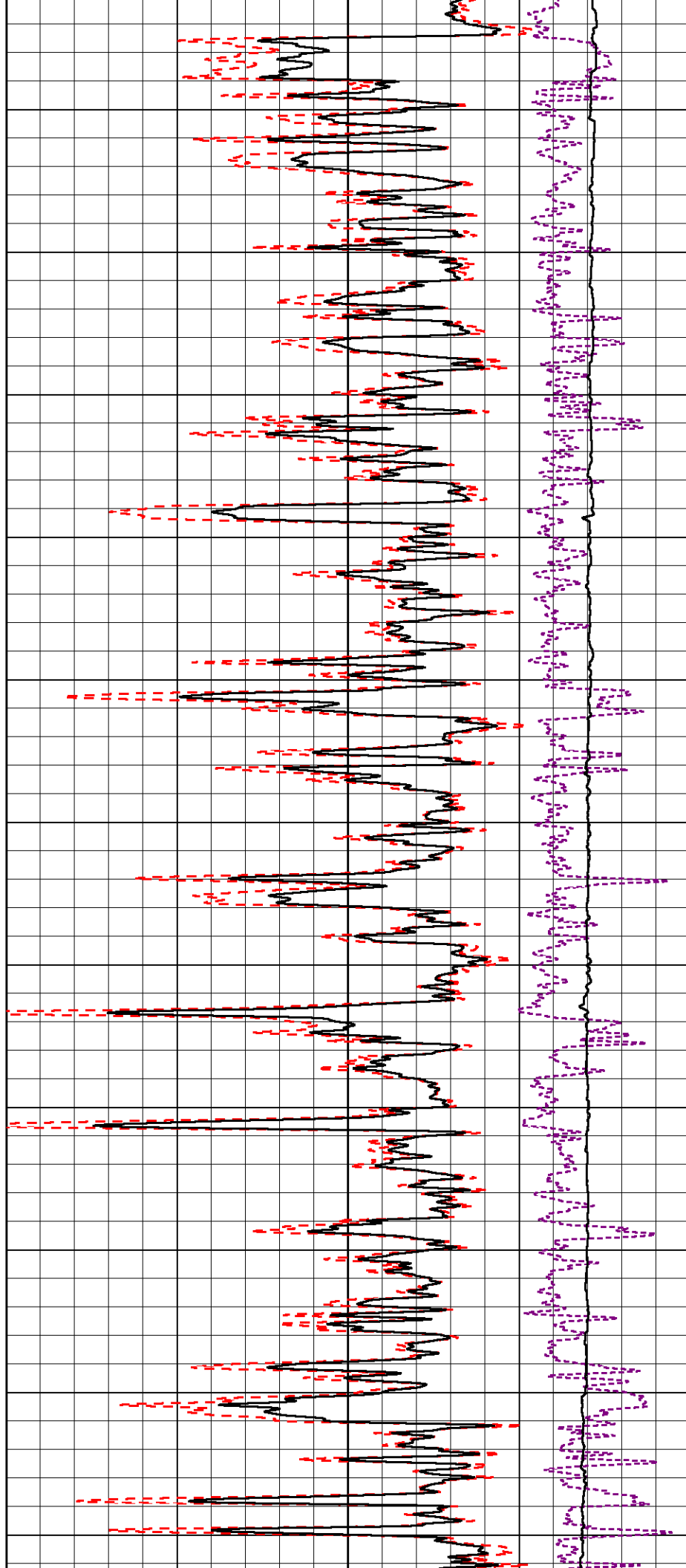
4550

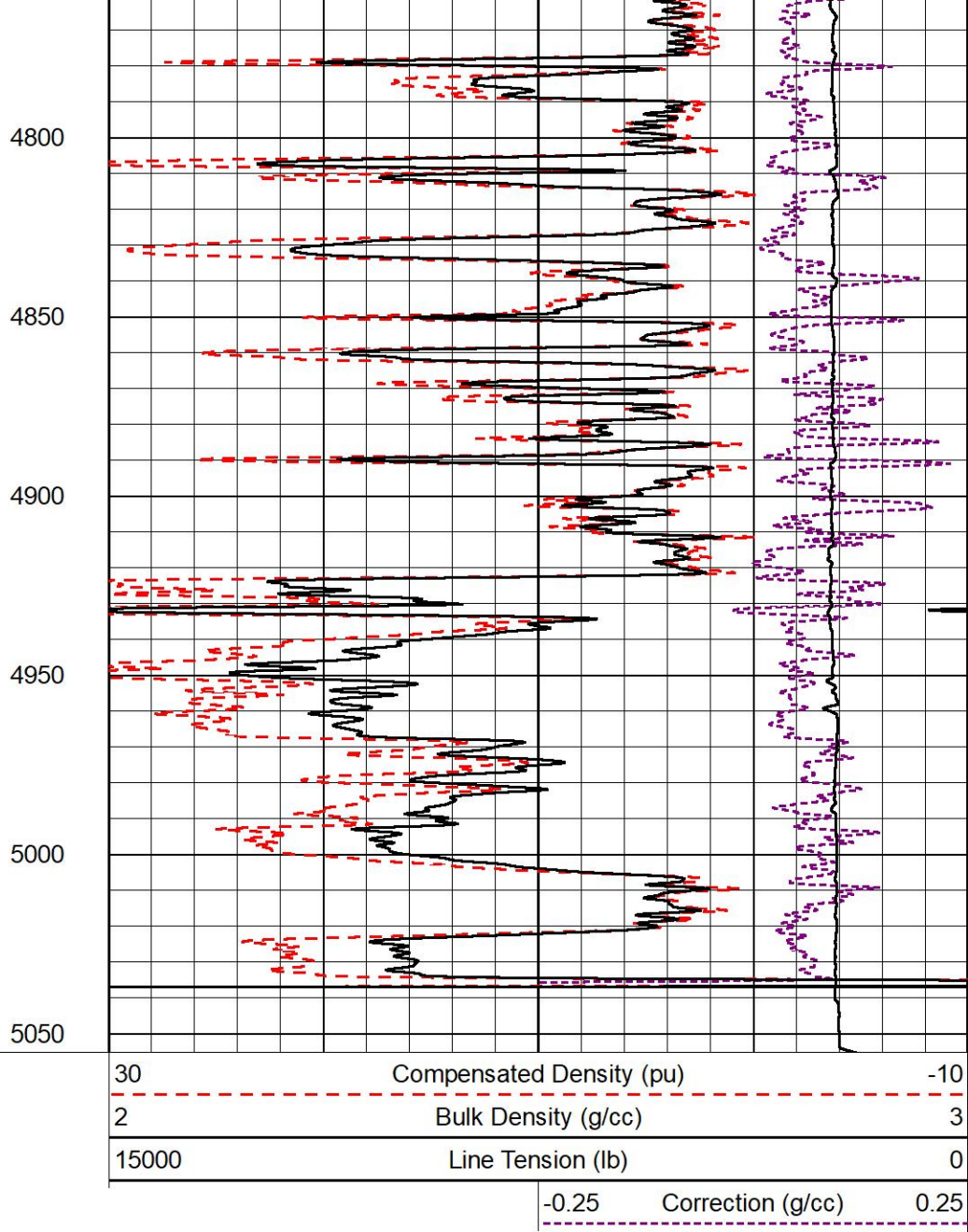
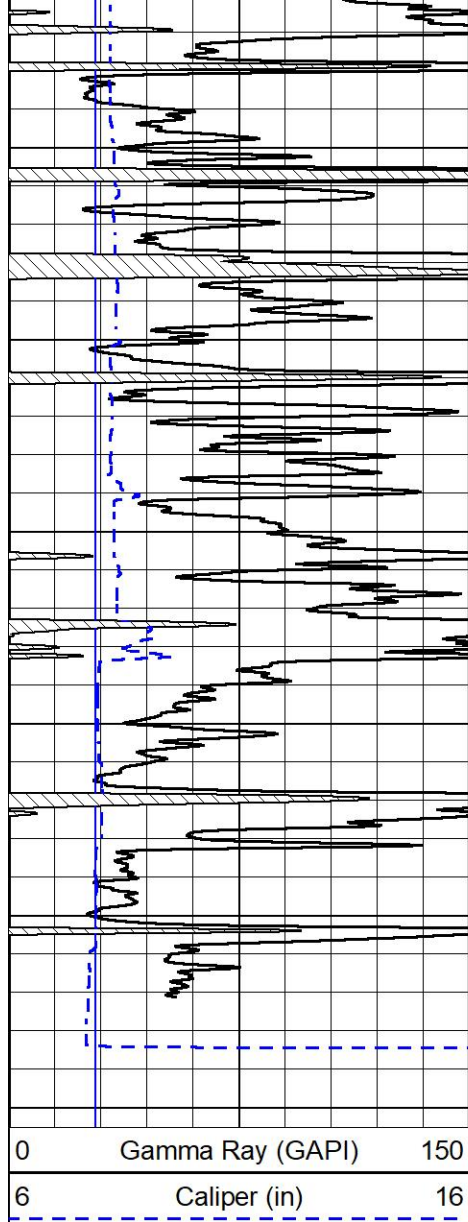
4600

4650

4700

4750



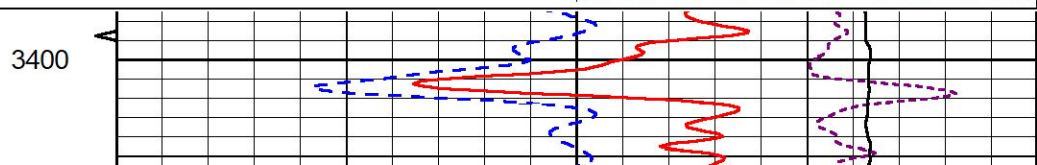
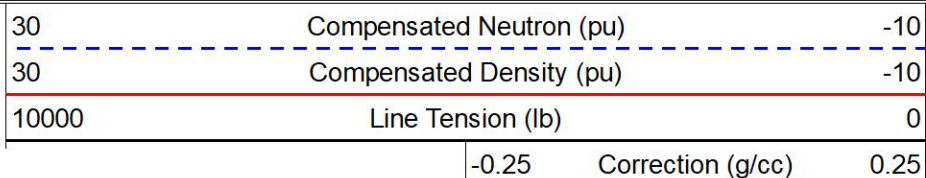
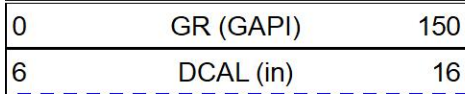


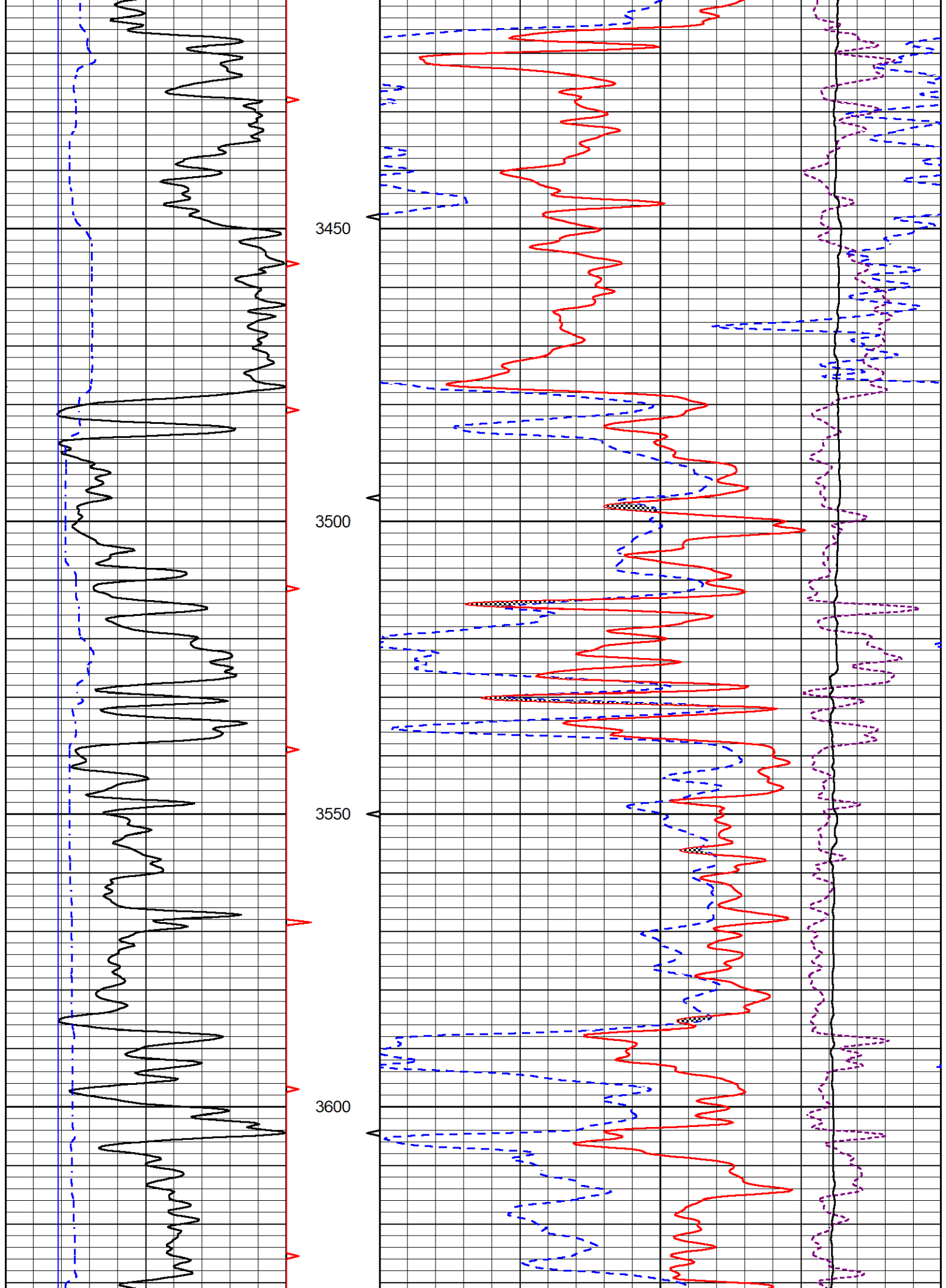
MIDWEST WIRELINE

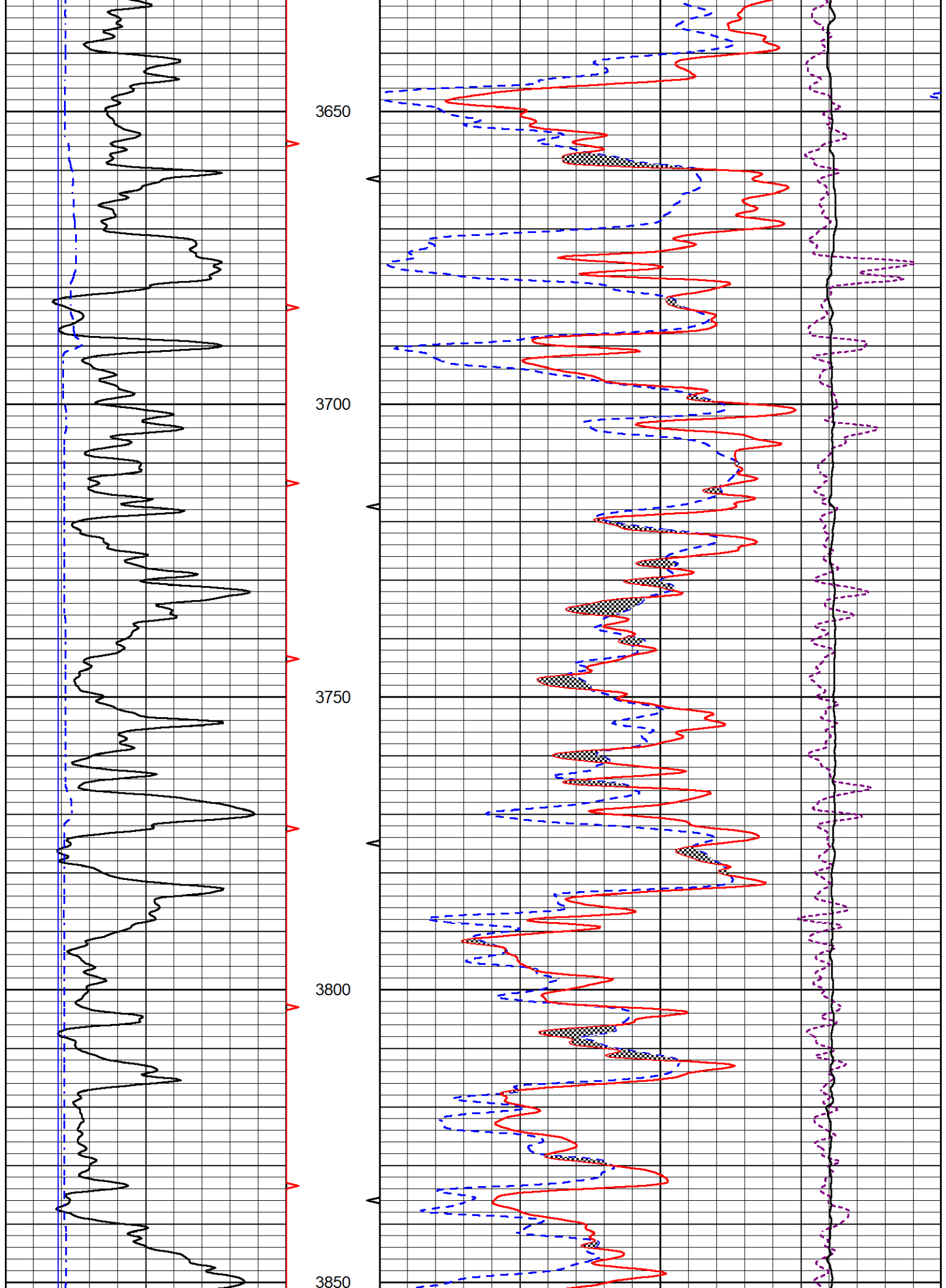
DETAIL SECTION

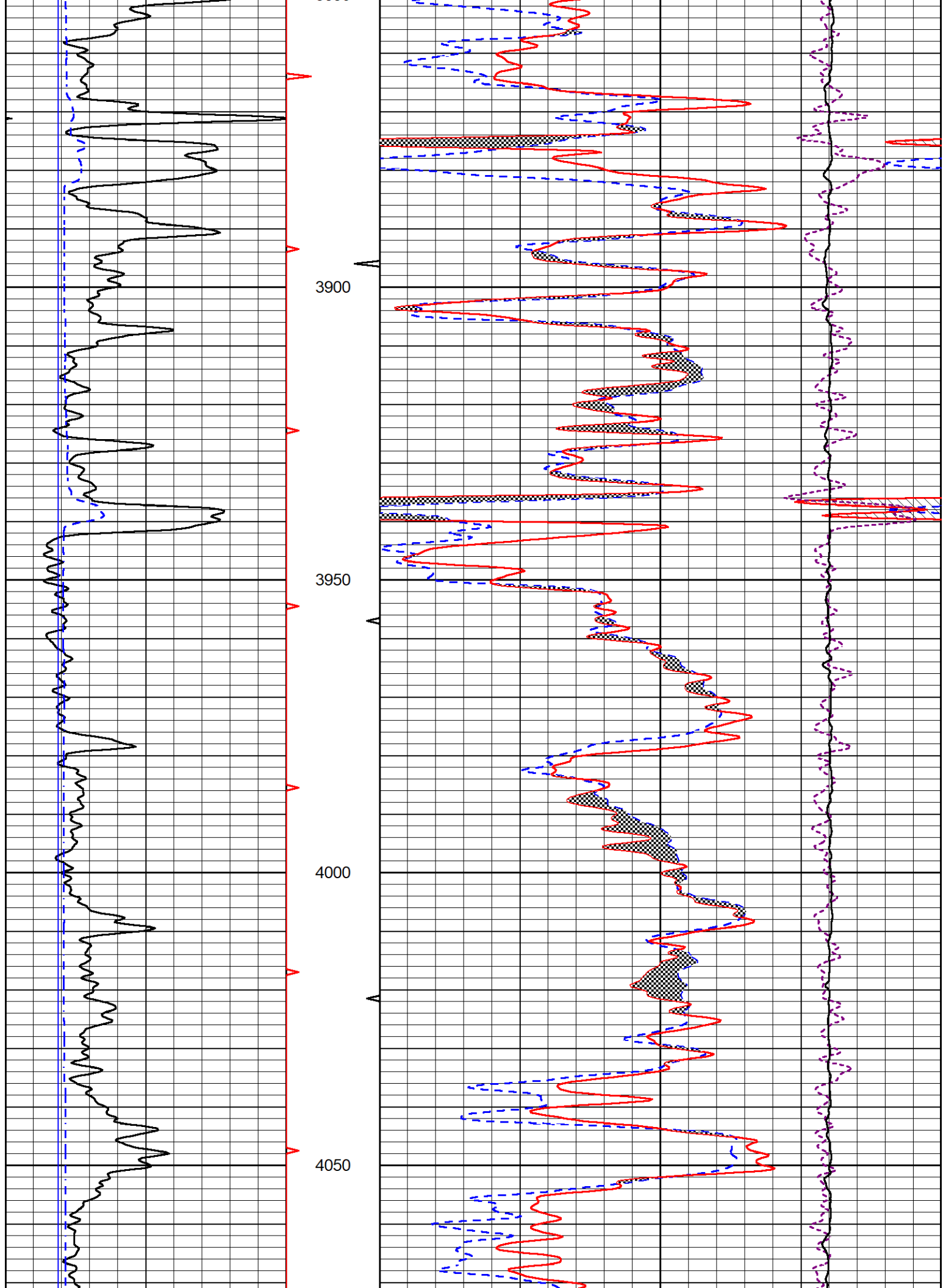
MAIN PASS

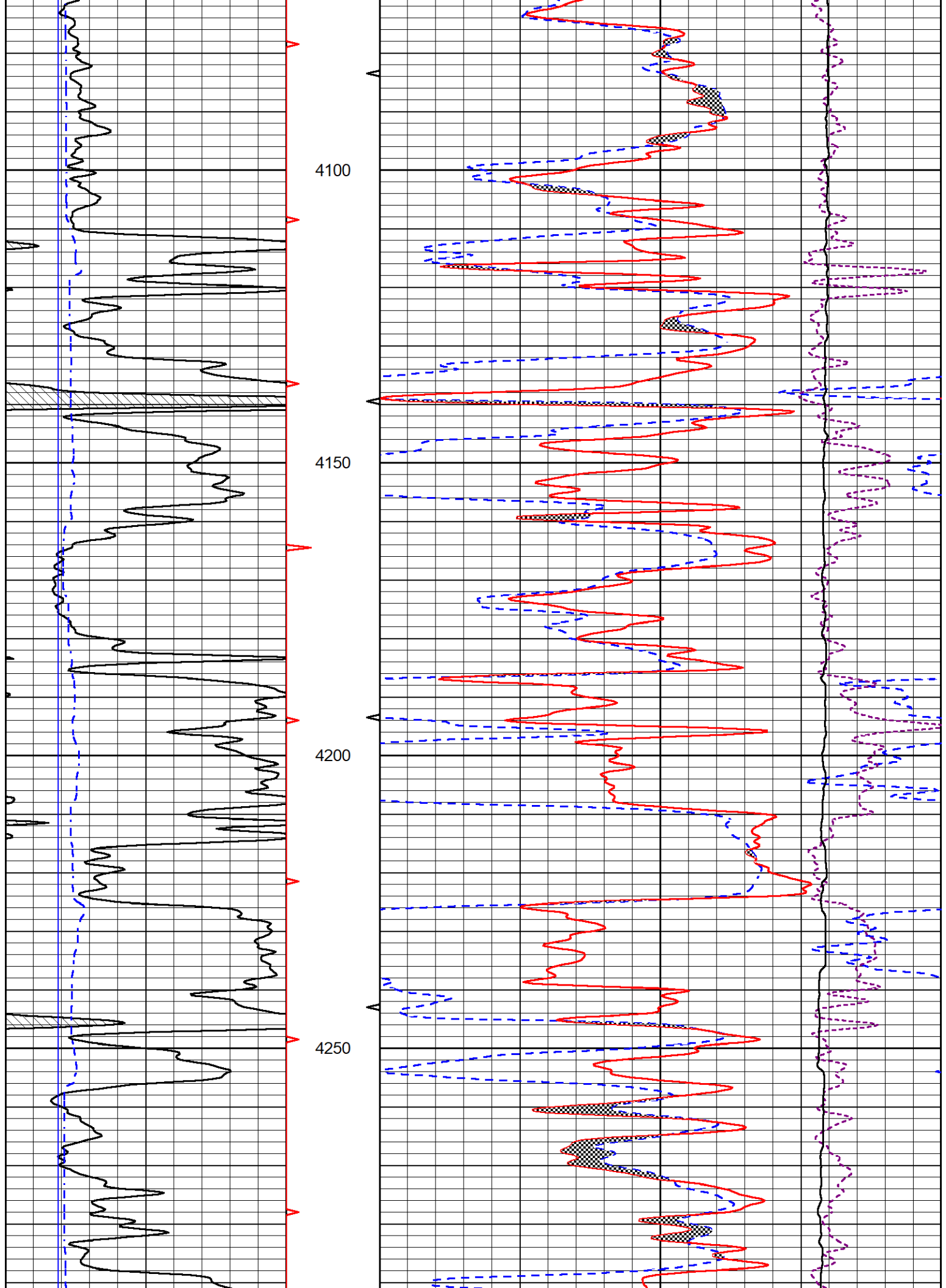
Database File: ritchie_schneweis_ventures_13a_1.db
 Dataset Pathname: stackml/pass4.1
 Presentation Format: _CNDLS~1
 Dataset Creation: Fri Feb 25 11:58:09 2022
 Charted by: Depth in Feet scaled 1:240

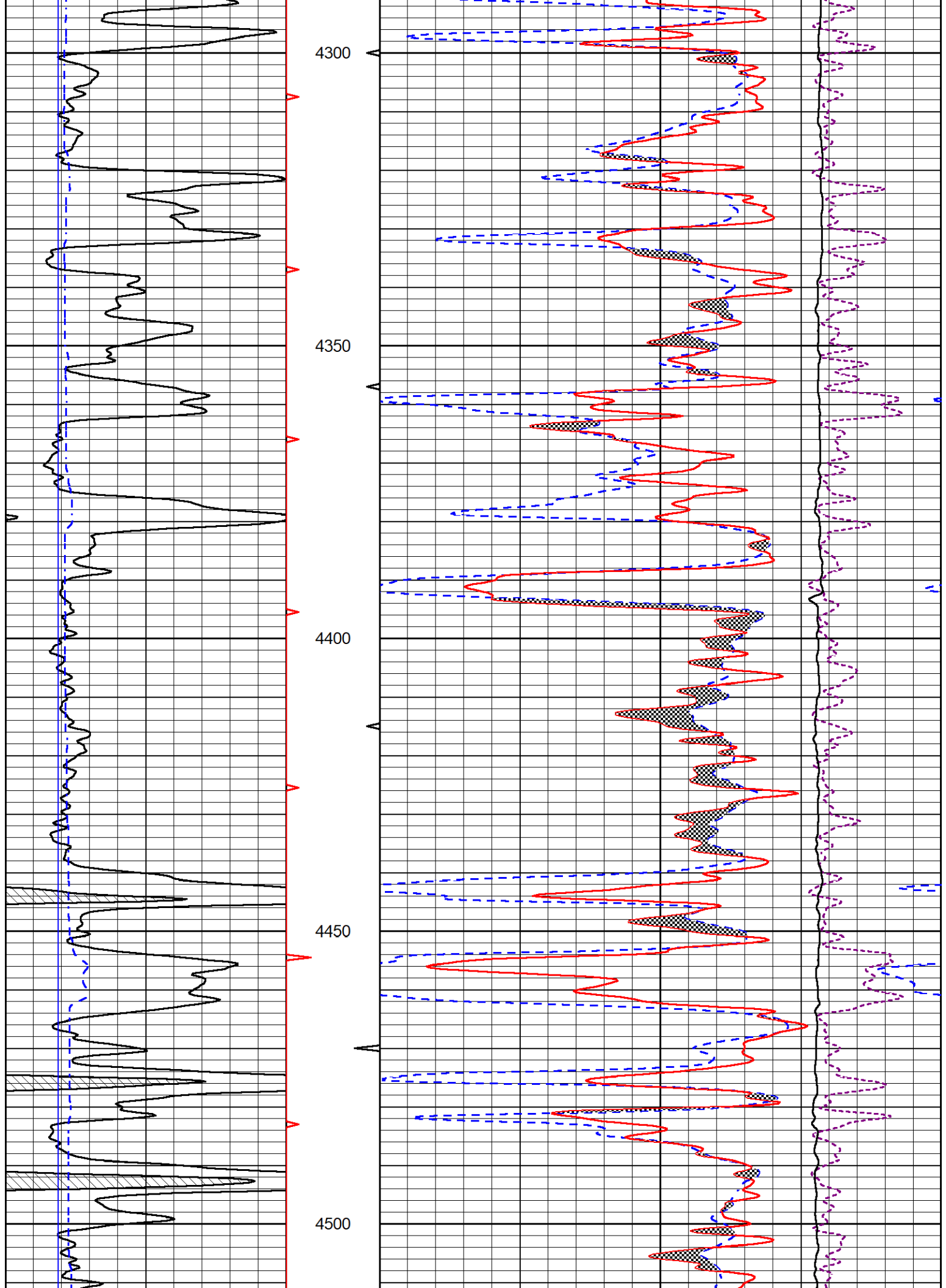


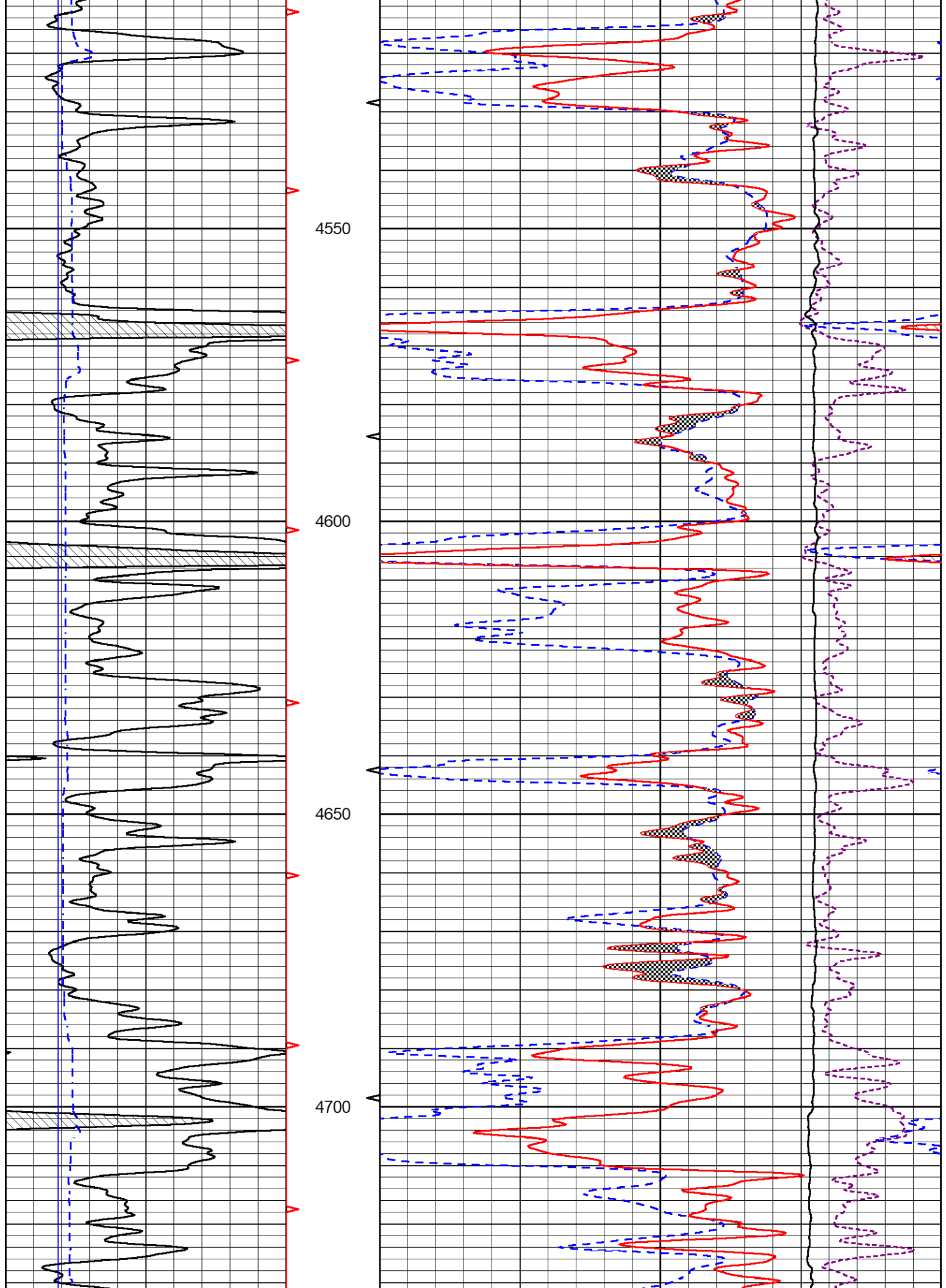


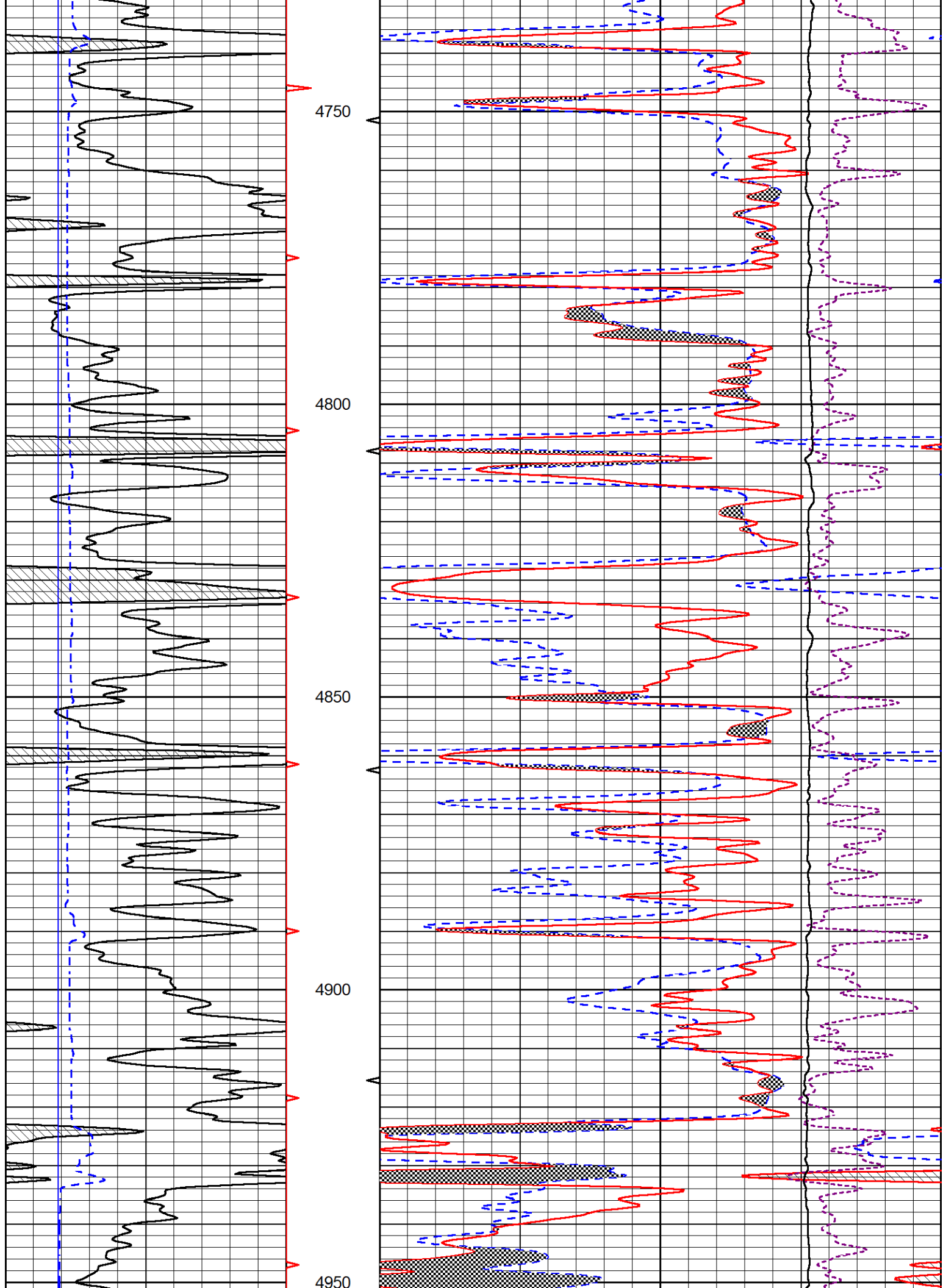


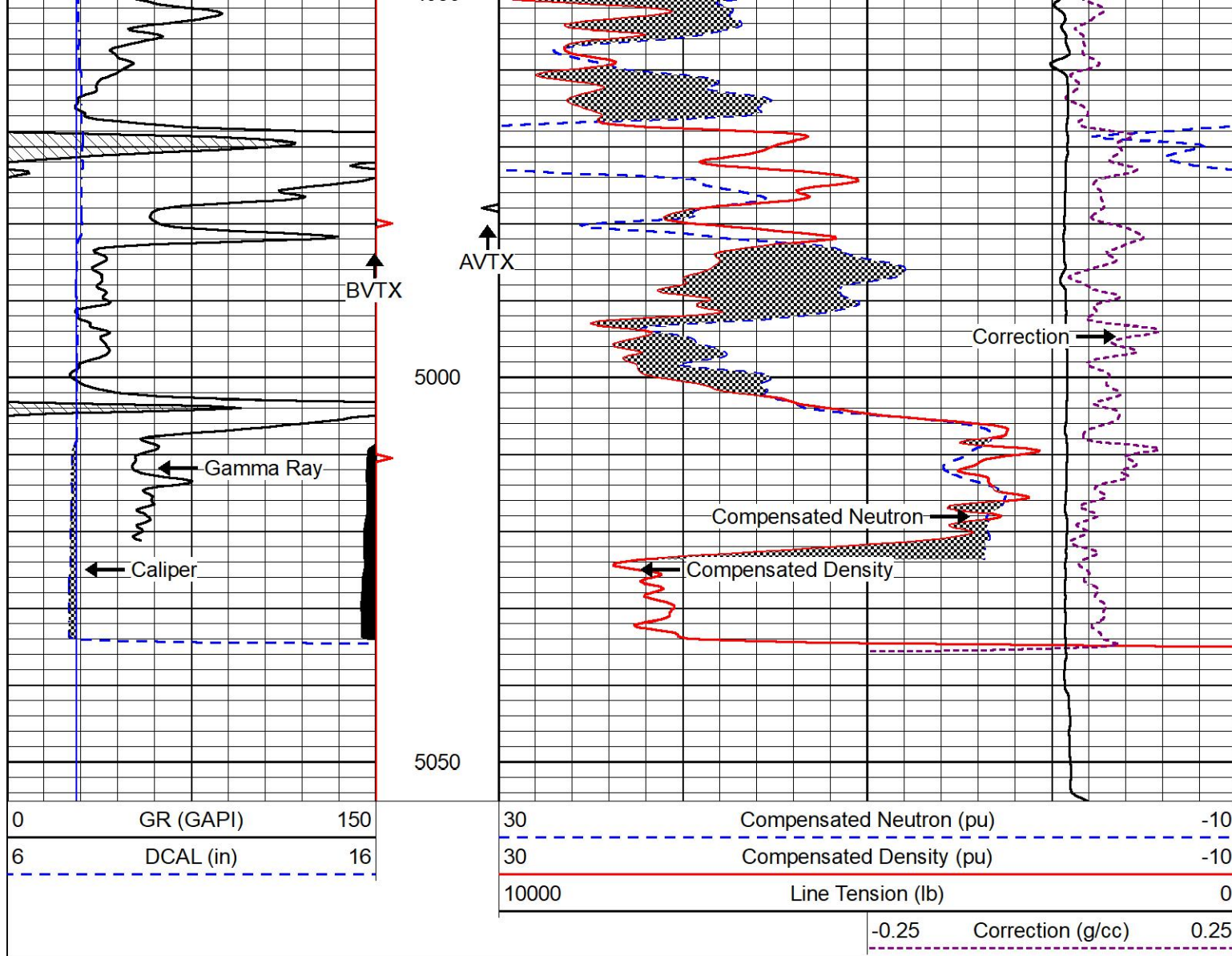










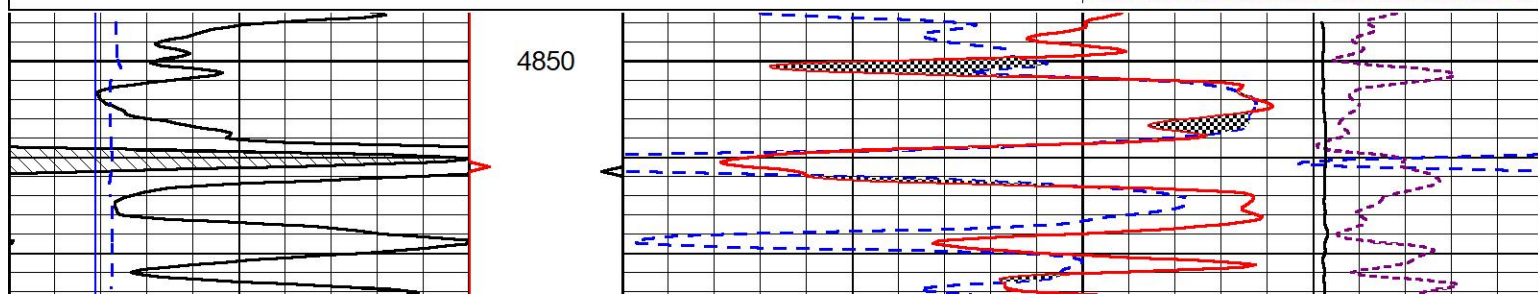
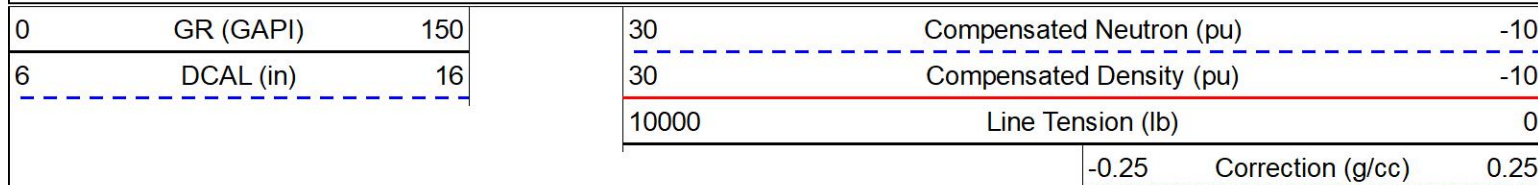


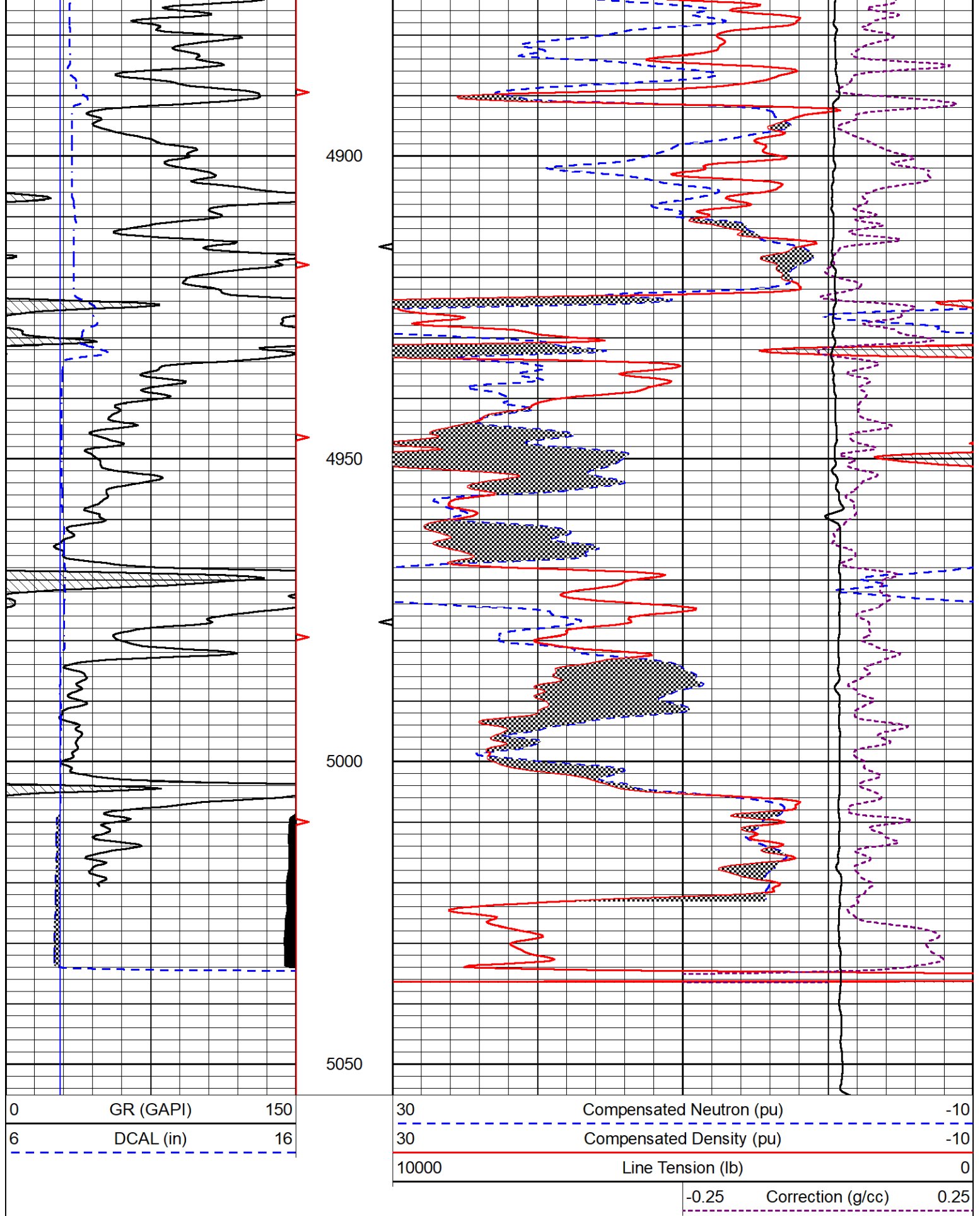
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File: ritchie_schneweis_ventures_13a_1.db
 Dataset Pathname: stackml/pass2.1
 Presentation Format: _CNDLS~1
 Dataset Creation: Fri Feb 25 11:57:06 2022
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File ritchie_schneweis_ventures_13a_1.db
Dataset Pathname stackml/pass4.1
Dataset Creation Fri Feb 25 11:58:09 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
 Surface Cal Performed: Thu Dec 16 22:32:49 2021

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-19.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500

Microlog Calibration Report

Serial-Model: 402-PSI STKBL ML
 Performed: Thu Dec 16 22:29:48 2021

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	15000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	14000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.2000

Compensated Density Calibration Report

Serial-Model: 303-03-M&W
 Source #: 21170B
 Master Calibration Performed: Thu Dec 16 23:28:34 2021

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.670	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.515		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.05		

Compensated Neutron Calibration Report

Serial-Model: 210-M&W
 Source #: N-1238
 Master Calibration Performed: Fri Dec 3 09:16:24 2021

Master Calibration

Detector	Readings		Target		Normalization
Short Space	6240.00	cps	1000.00	cps	1.6025
Long Space	460.00	cps	1000.00	cps	1.9500

Gamma Ray Calibration Report

Serial Number: 103

Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Ritchie Exploration, Inc.
Well	Schneweis Ventures 13A #1
Field	Thunder
County	Ford
State	Kansas