



DUAL COMP POROSITY LOG

MIDWEST WIRELINE

Company		Molitor Oil, Inc.					
Well	Giefer #1						
Field							
County	Kingman	State	Kansas				
Location:		API #: 15-095-22347-00-00	Other Services				
557 FNL & 1310 FEL		DIL/MEL					
County	Kingman	State	Kansas				
Permanent Datum	Ground Level	Elevation	1690				
Log Measured From	Kelly Bushing	K.B.	1703				
Drilling Measured From	Kelly Bushing	D.F.					
		G.L.	1690				
Date	6/9/2022						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	4666						
Depth Logger	4668						
Bottom Logged Interval	4639						
Top Logged Interval	3300						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	8000						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	123						
Operating Rig Time	3 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	D. Schmidt						
Witnessed By	Max Lovely						
Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	200	8.625	23	0	200
Two	7.875	200	TD				

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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.

Zenda,
5 North to 90 Rd, 1 East

Log Measured From: Kelly Bushing 13 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Max Lovely
Secondary Witness:
Secondary Witness:
Secondary Witness:

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			CDL-M&W (303-03)	8.50	4.00	250.00
	28.17			ML-PSI STKBL ML (401)	7.58	4.00	65.00
	27.68						
MCAL MI MN	19.58						
	19.58						
	19.58						
RLL3F RLL3	15.50 15.50			DIL-M&W (504 HT)	18.25	3.50	220.00
CILD	8.33						
	4.50						
	0.20						
Dataset: molitor_giefer 1.db: field/well/stkml/pass4.11 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\molitor_giefer 1.db
Dataset field/well/stkml/pass4.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 123	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 620	degF 70	Off	ft 4668

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



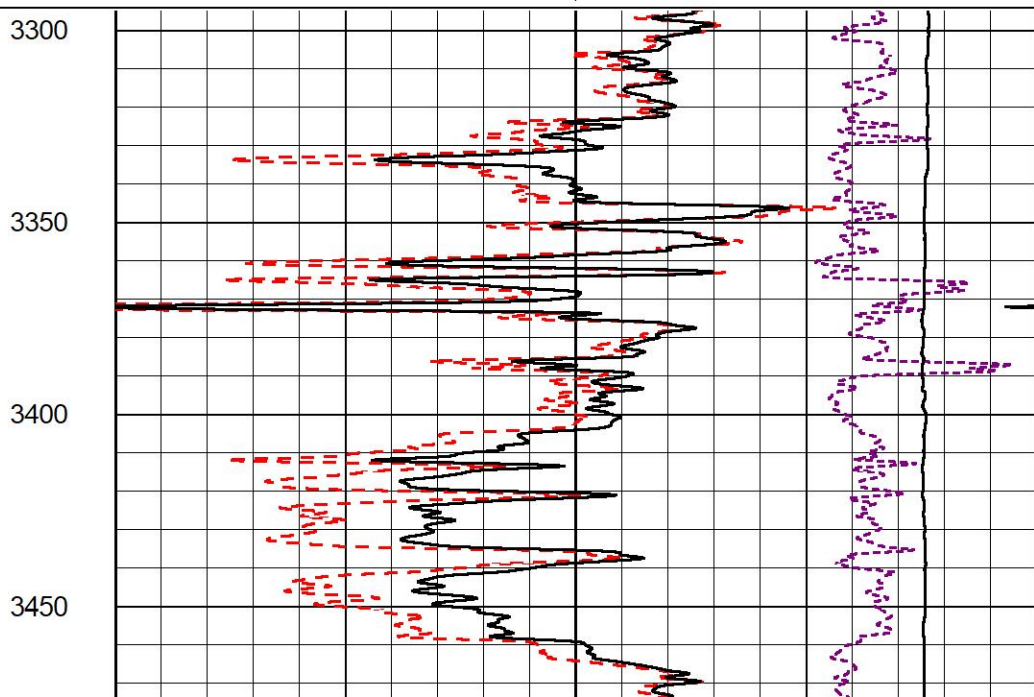
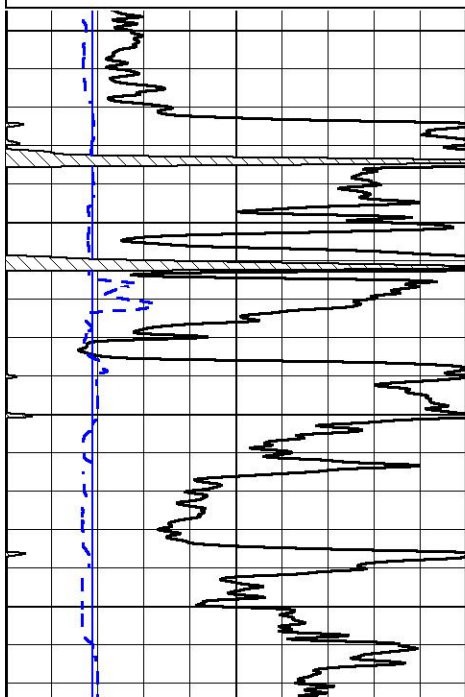
2" SCALE BULK DENSITY

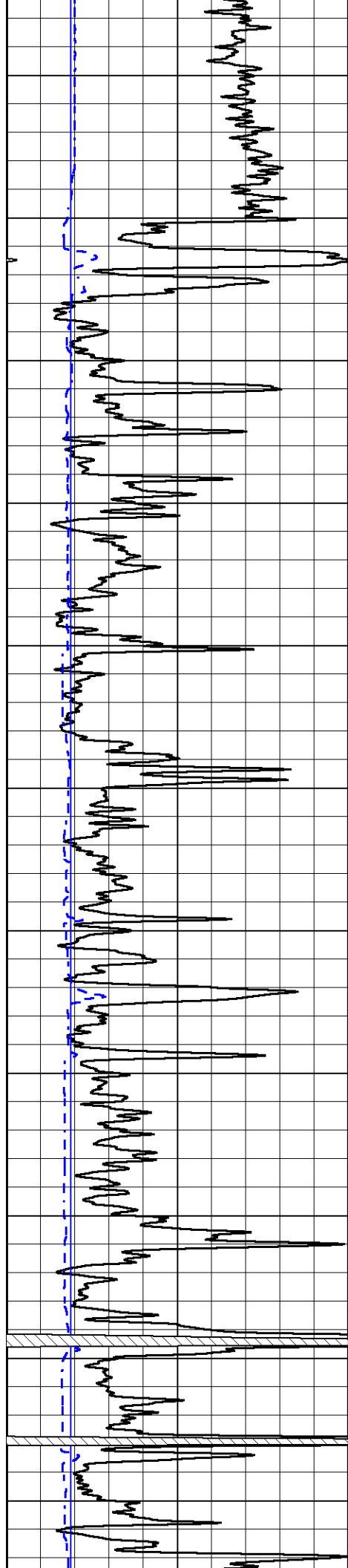
MAIN PASS

Database File molitor_giefer 1.db
Dataset Pathname stkml/pass4.2
Presentation Format _cdl
Dataset Creation Thu Jun 09 21:27:16 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





3500

3550

3600

3650

3700

3750

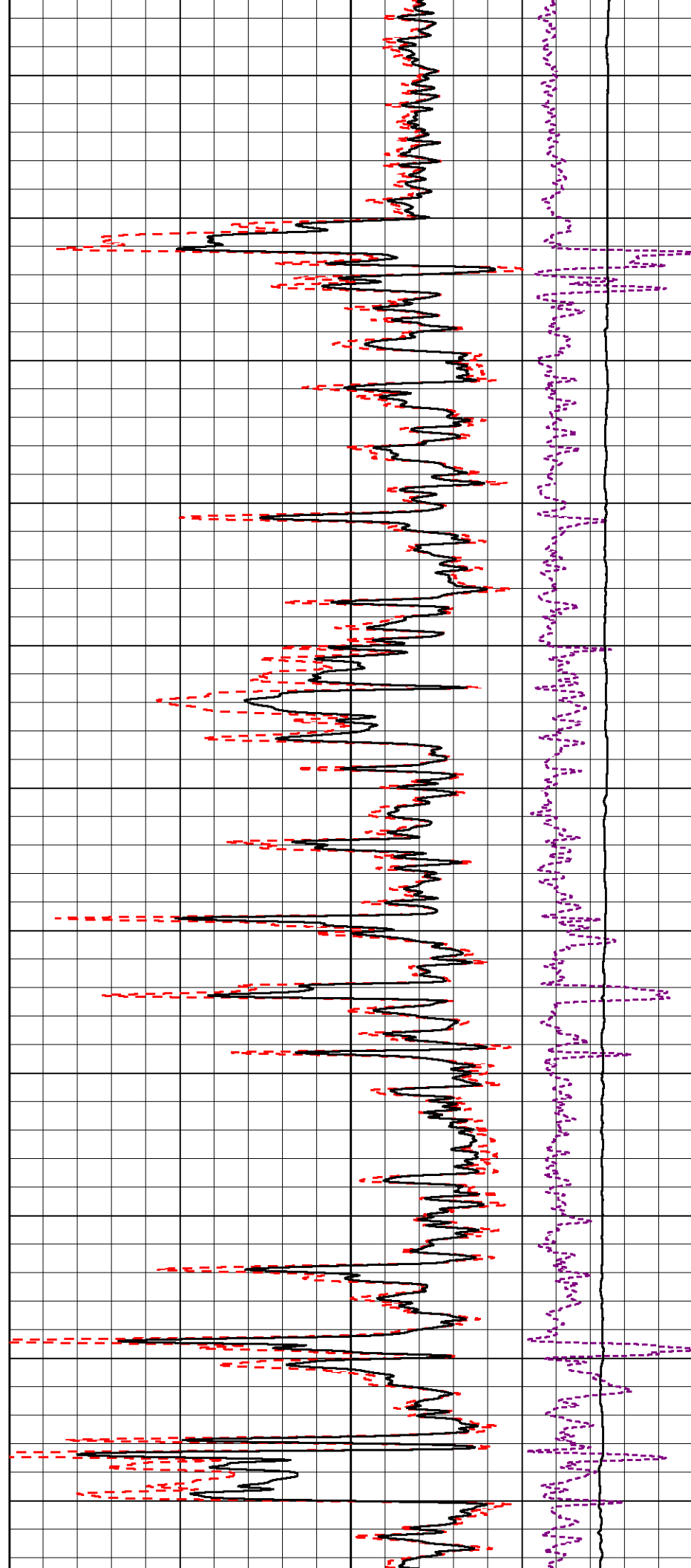
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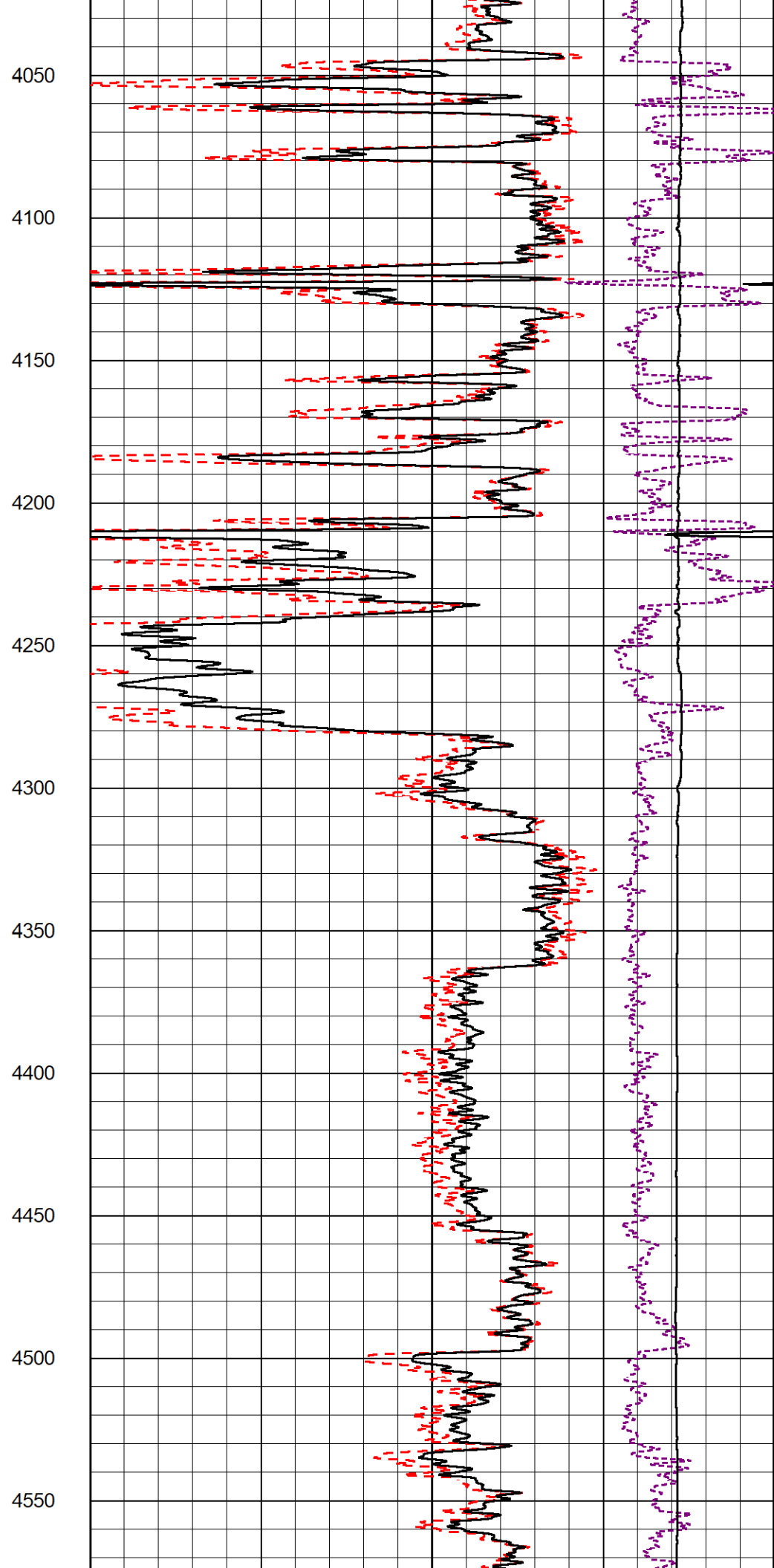
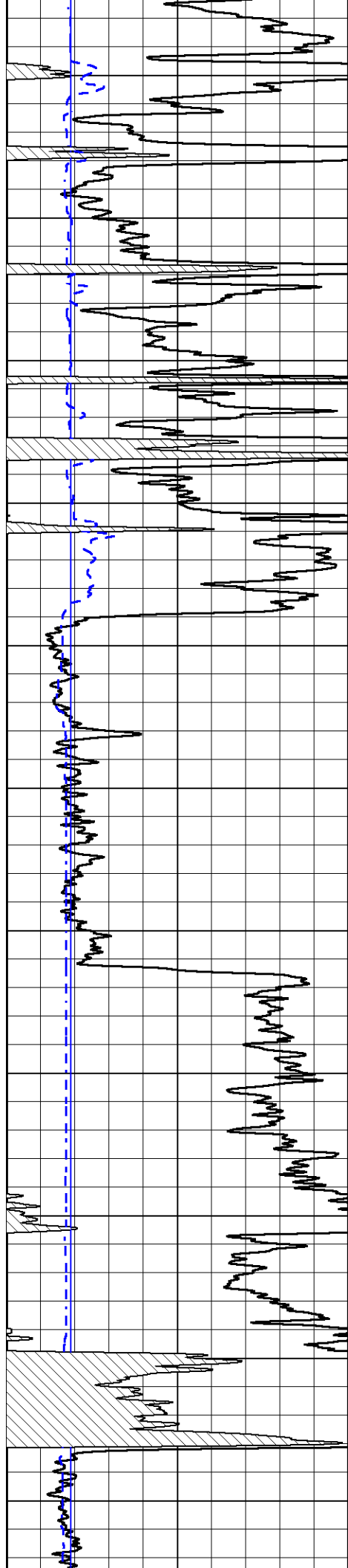
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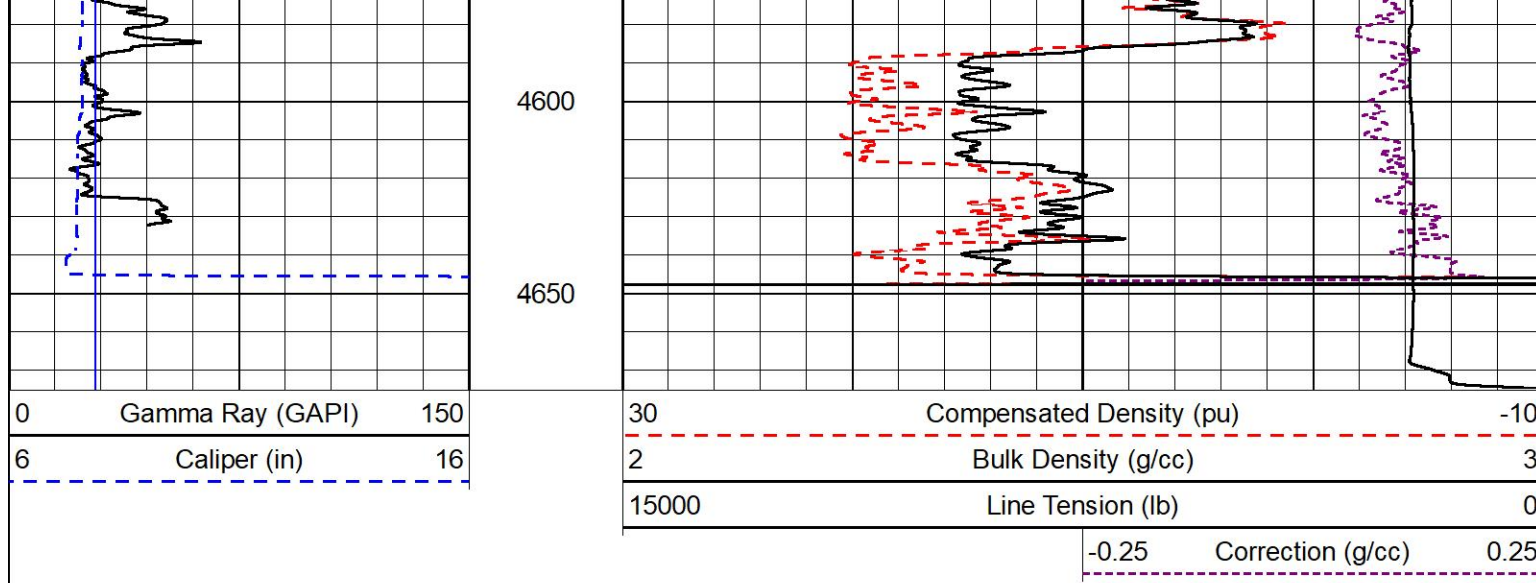
3900

3950

4000





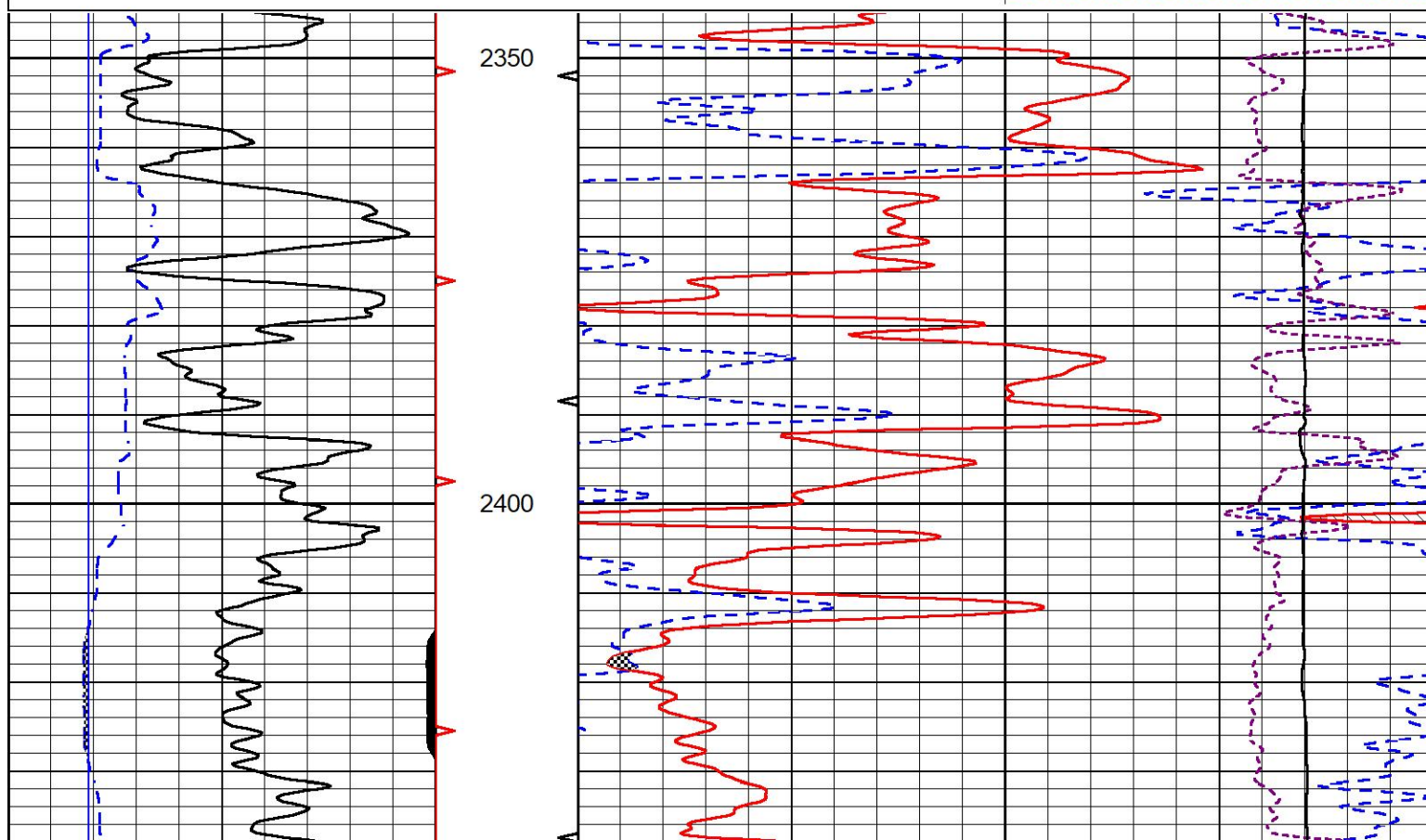
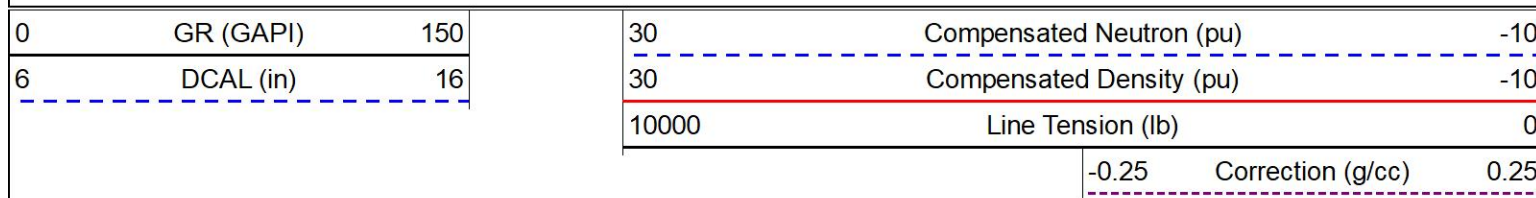


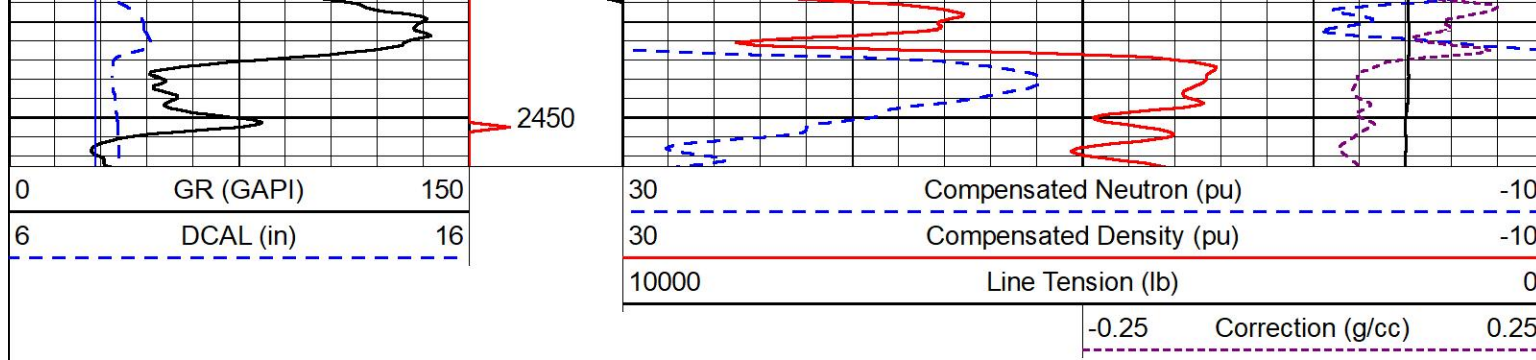
MIDWEST WIRELINE

INDIAN CAVE

MAIN PASS

Database File molitor_giefer 1.db
 Dataset Pathname stkml/pass4.4
 Presentation Format _CNDLS~1
 Dataset Creation Thu Jun 09 21:27:40 2022
 Charted by Depth in Feet scaled 1:240



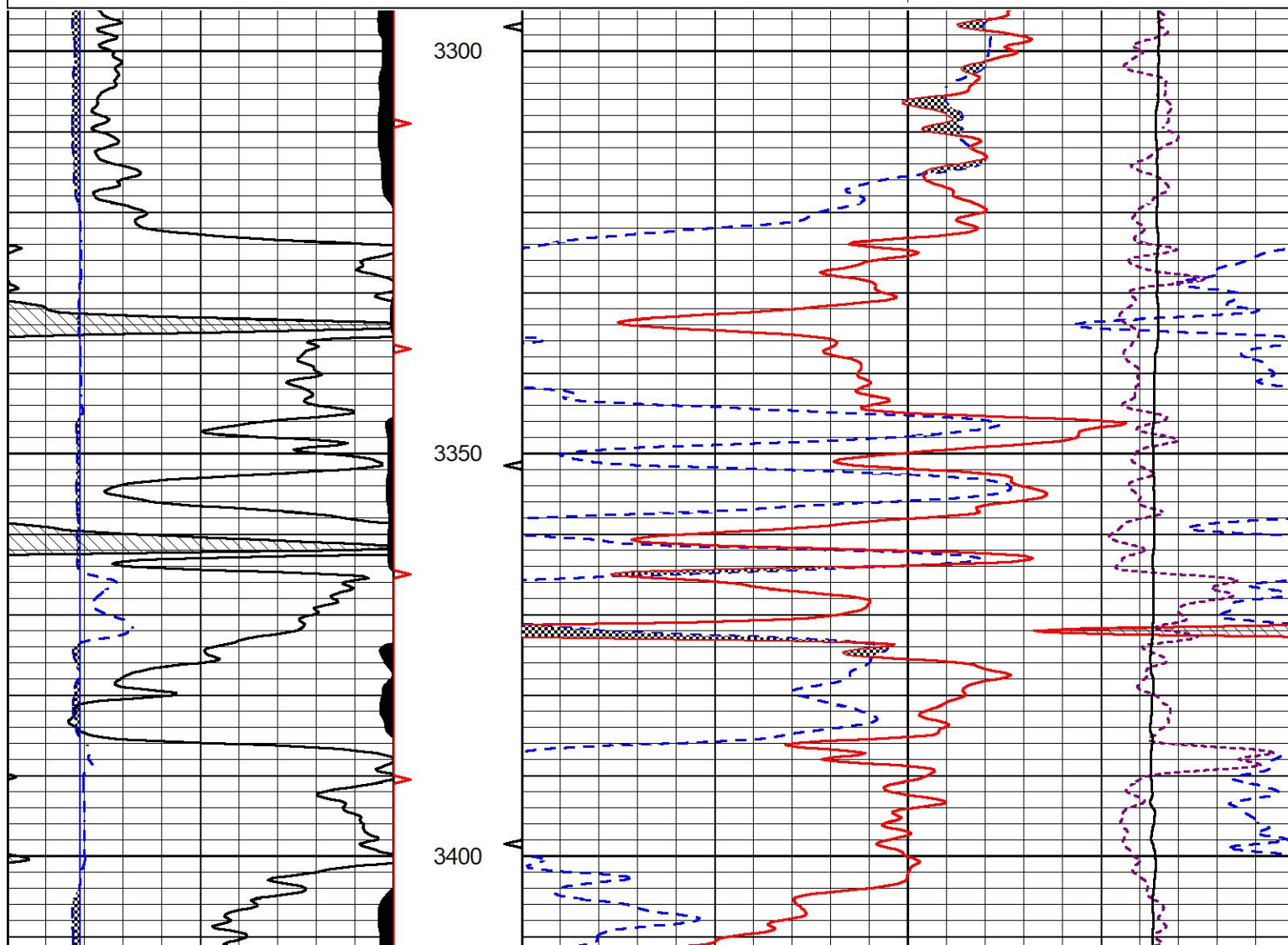
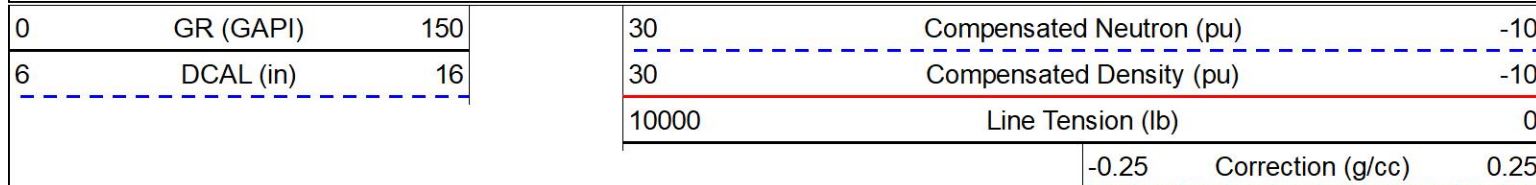


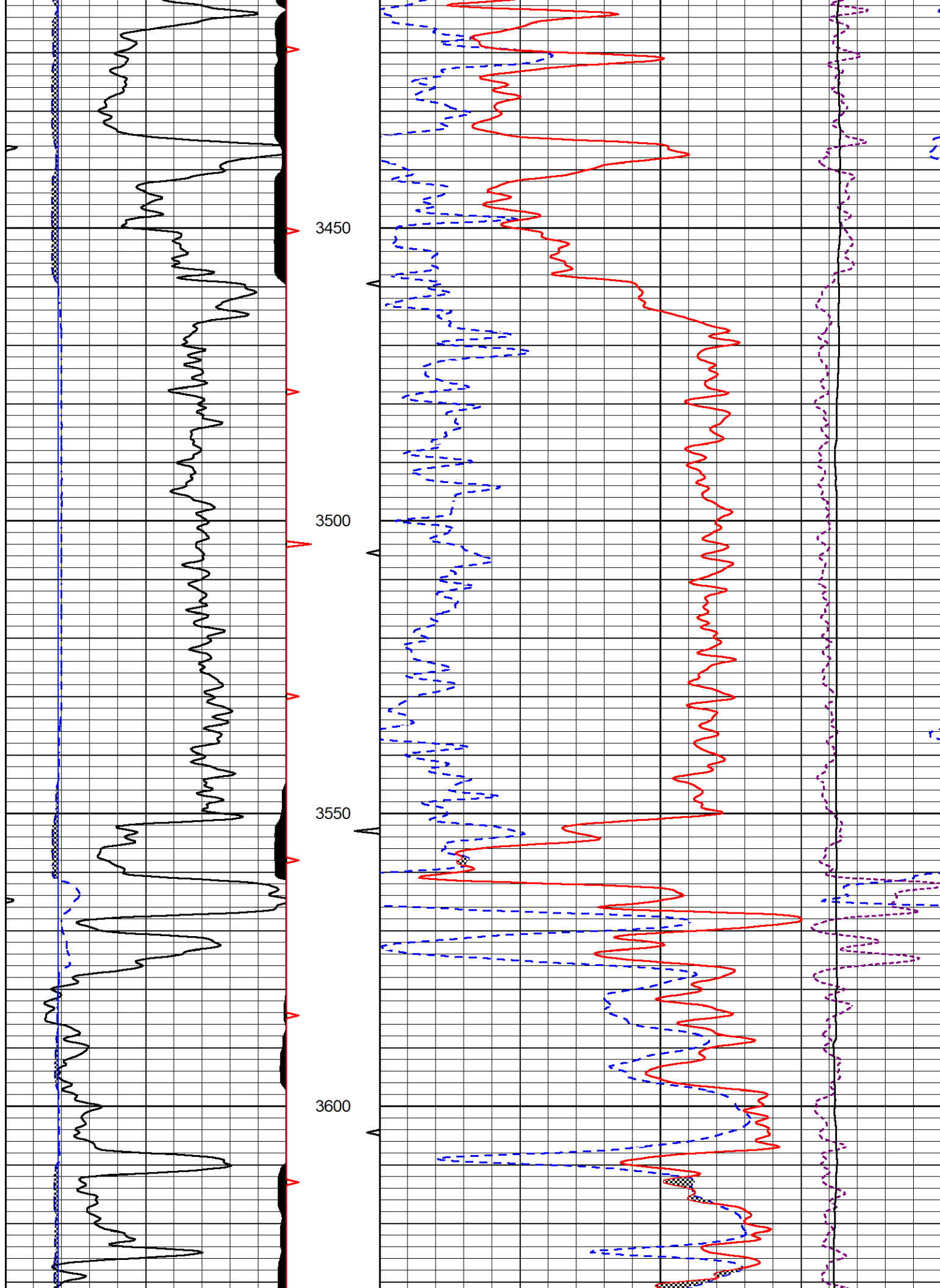
MIDWEST WIRELINE

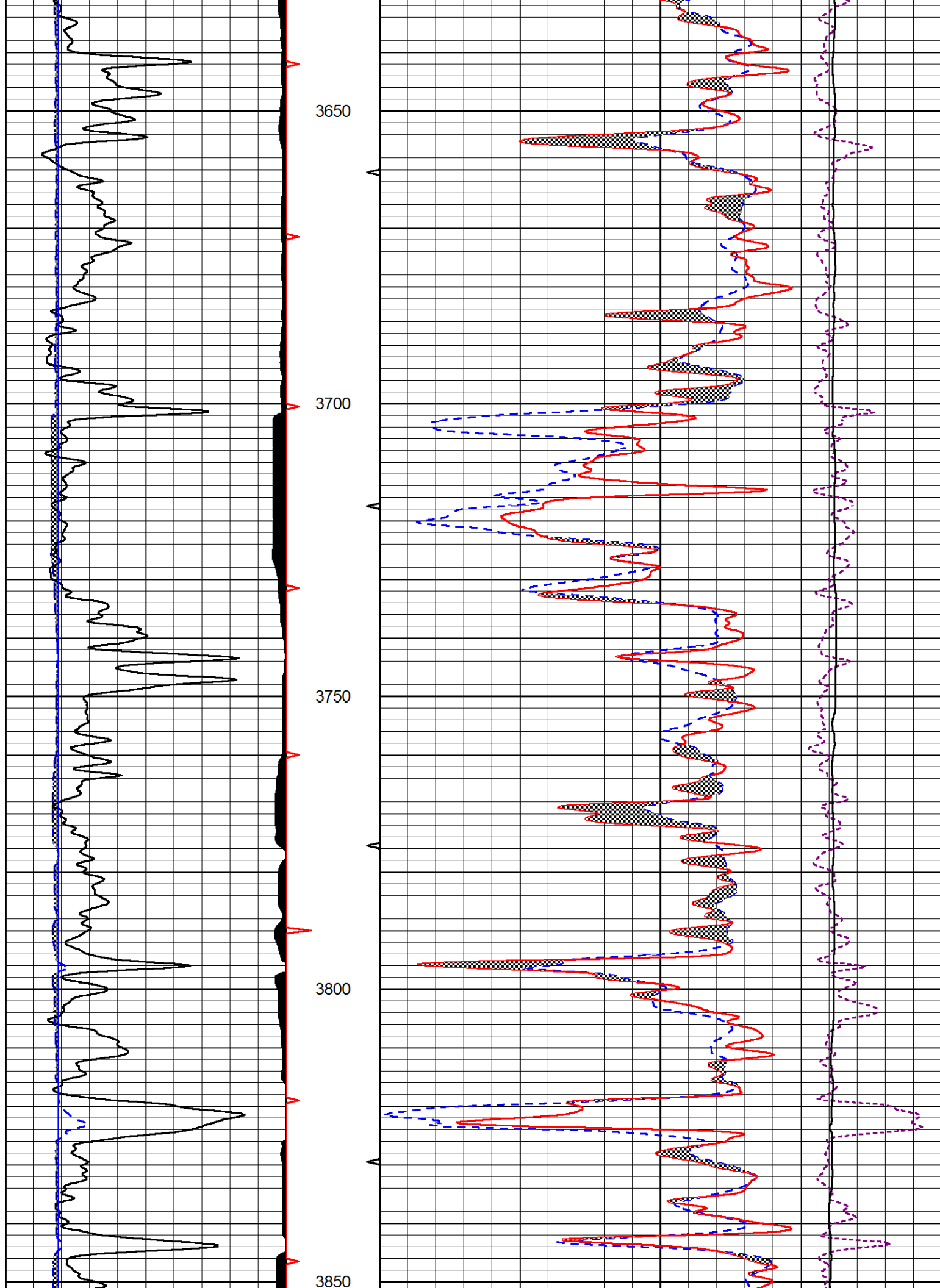
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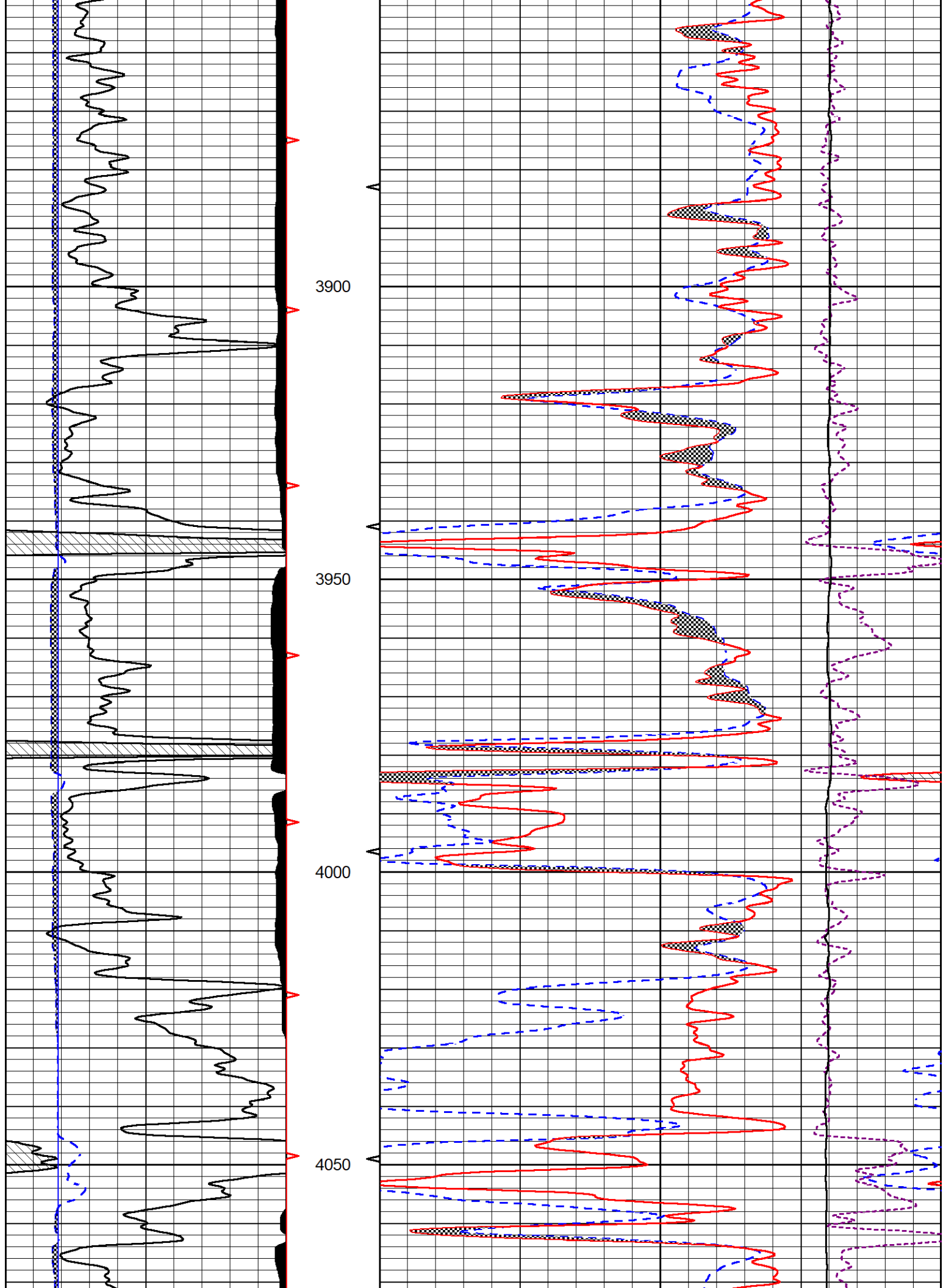
MAIN PASS

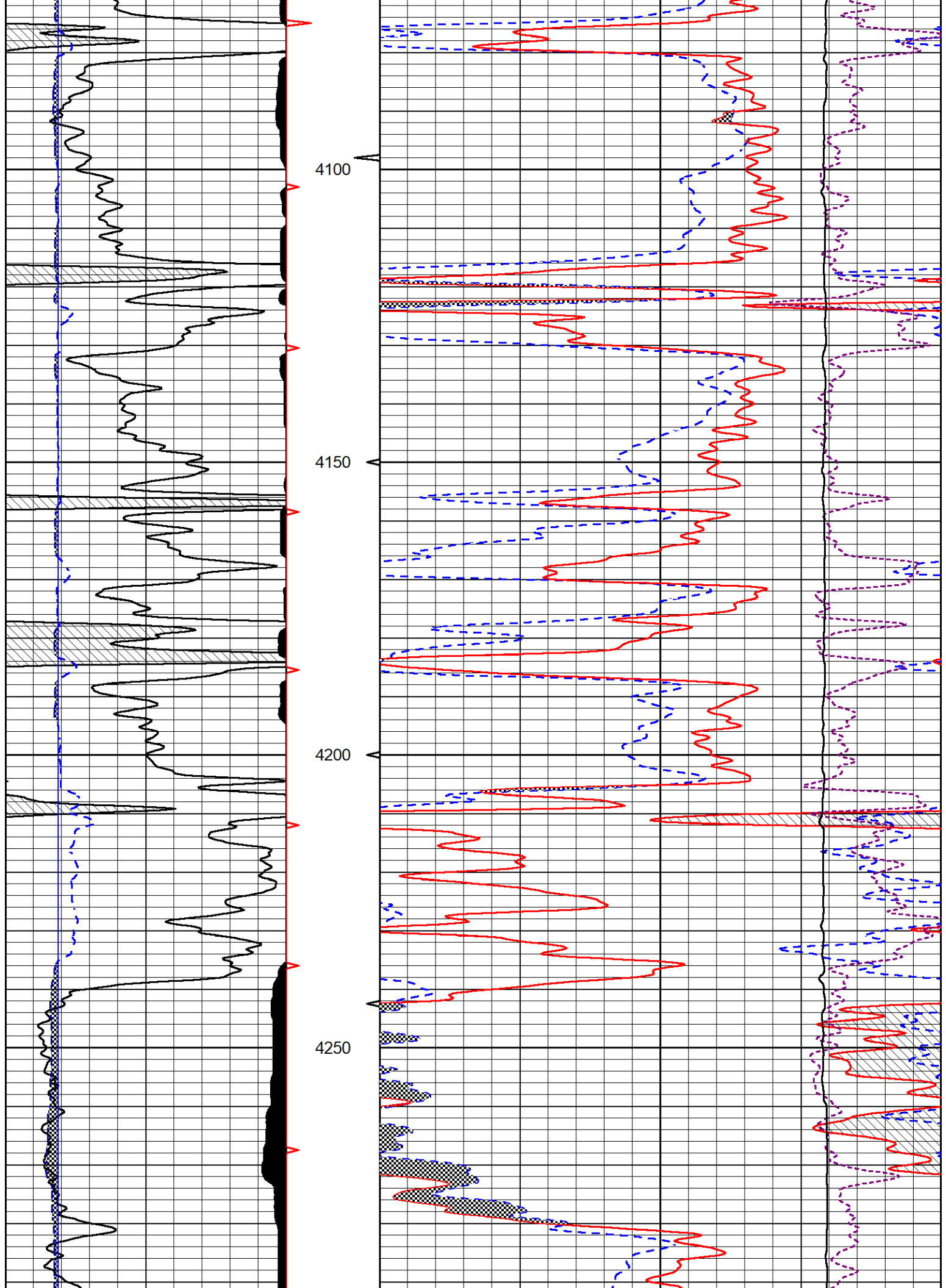
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Presentation Format _CNDLS~1
Dataset Creation Thu Jun 09 21:27:04 2022
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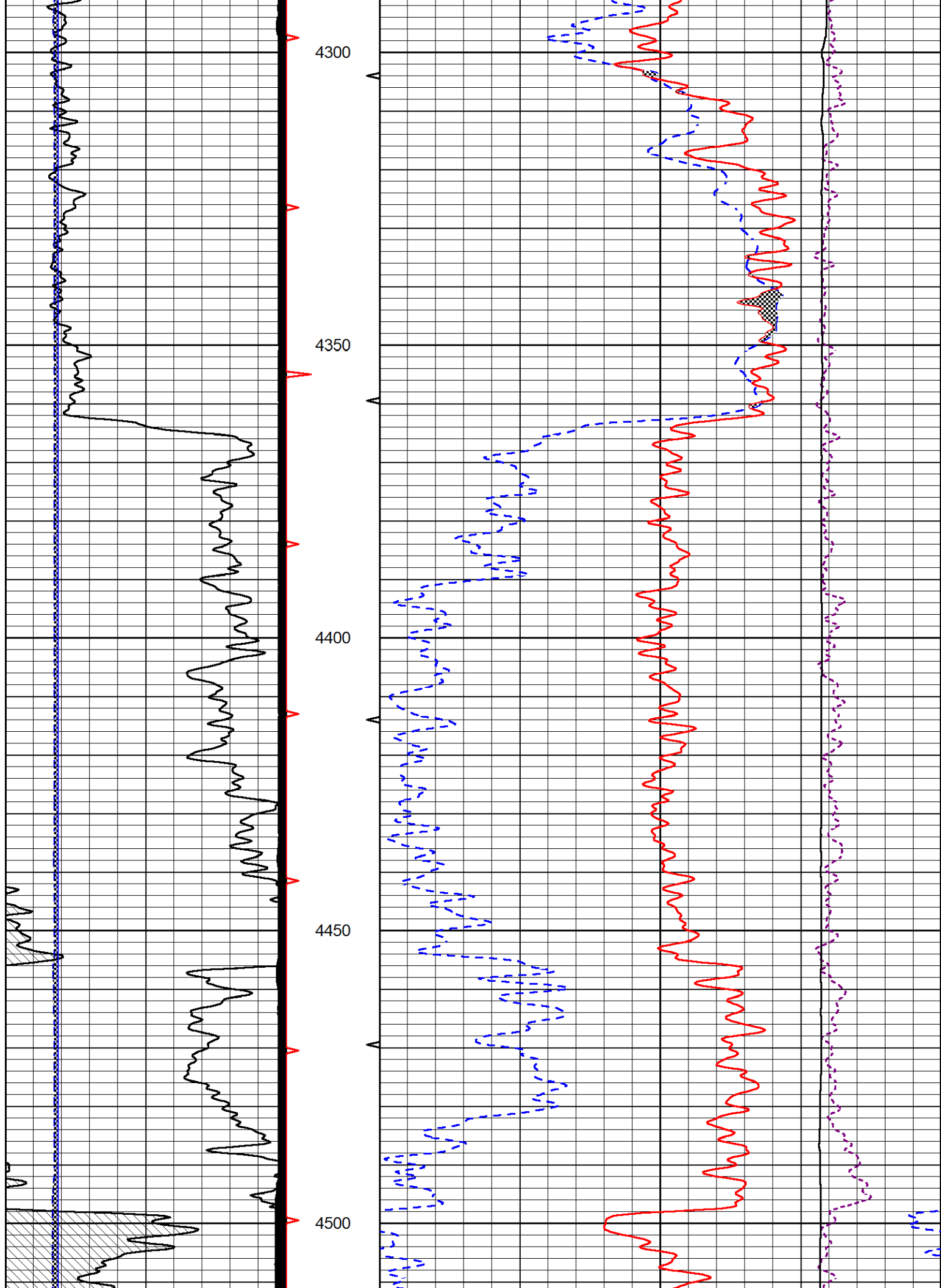


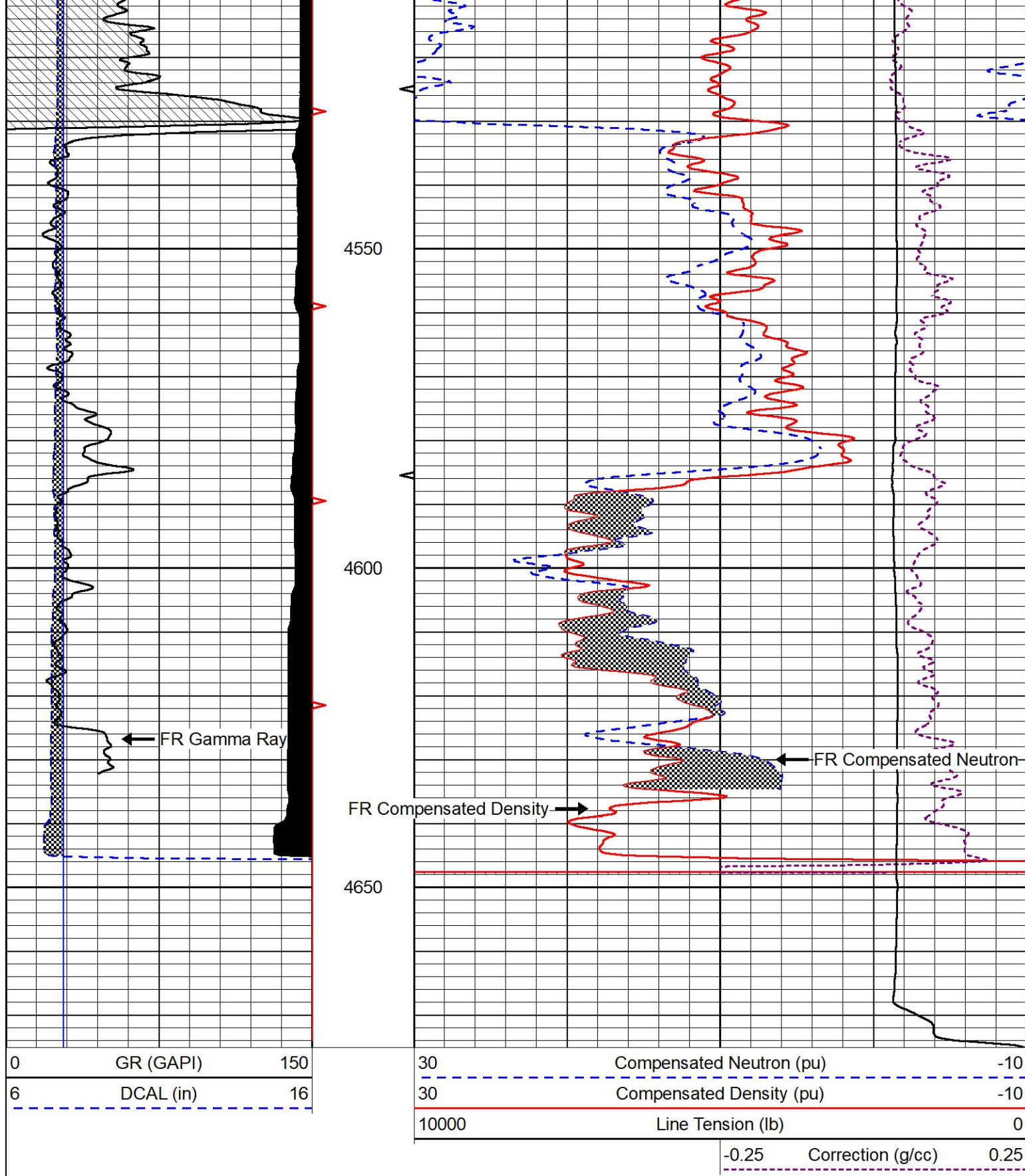












MIDWEST WIRELINE

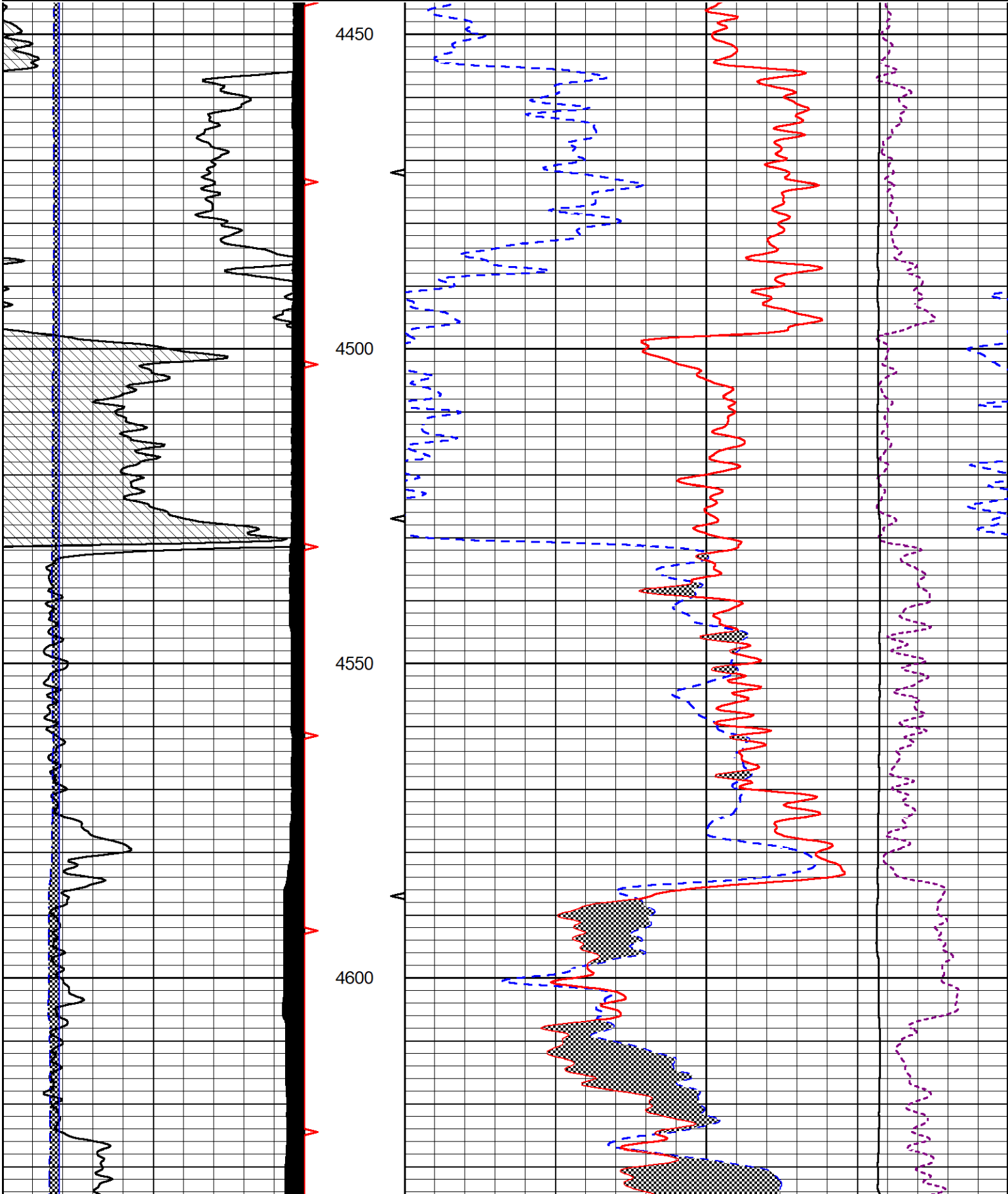
REPEAT SECTION

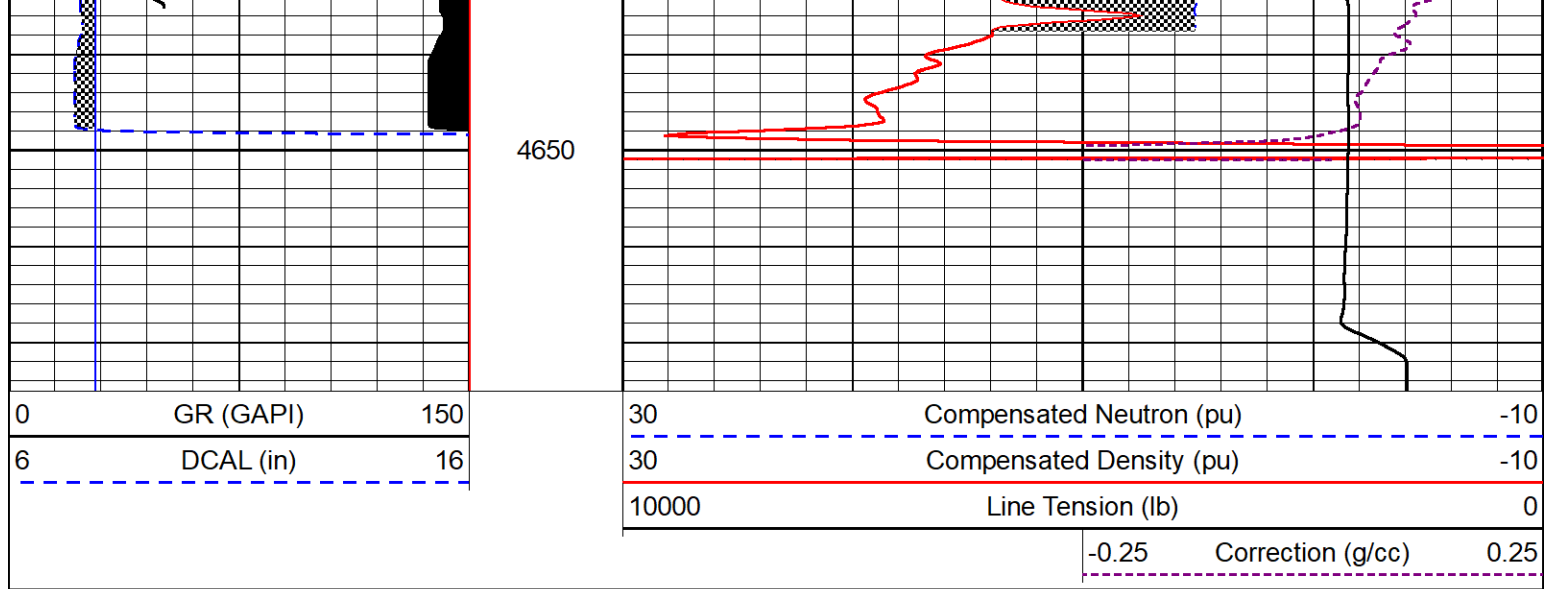
REPEAT PASS

Database File molitor_giefer 1.db
Dataset Pathname stkml/pass3.1
Presentation Format CNDI S~1

0	GR (GAPI)	150
6	DCAL (in)	16

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





Calibration Report	
Database File	molitor_giefer 1.db
Dataset Pathname	stkml/pass4.11
Dataset Creation	Thu Jun 09 20:41:16 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	-16.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500

Microlog Calibration Report

Serial-Model:	401-PSI STKBL ML
Performed:	Fri Jun 3 18:46:15 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	19000.0000	-0.8000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	17500.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.4000

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	1.03

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 Molitor Oil, Inc.
Well Giefer #1
Field
County Kingman
State Kansas