



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Brito Oil Company, Inc.

Well Johnson #1-9

Field

County Rawlins

State Kansas

Location:

2114 FNL & 518 FEL

SEC 9 TWP 4S RGE 36W

API #: 15-153-21292-00-00

Other Services

DIL/MEL

Permanent Datum Ground Level Elevation 3218
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing

K.B. 3223
 D.F. G.L. 3218

Date 6/16/2022

Run Number One

Type Log CNL/CDL

Depth Driller 4800

Depth Logger 4798

Bottom Logged Interval 4769

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 2000

Density 9.2

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 3 Hours

Equipment -- Location P-108 HAYS

Recorded By D. Schmidt

Witnessed By Saman Sharifaie

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	348	8.625	23	0	348
Two	7.875	348	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.

McDonald,
 South to K, 1 East,
 North to location

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

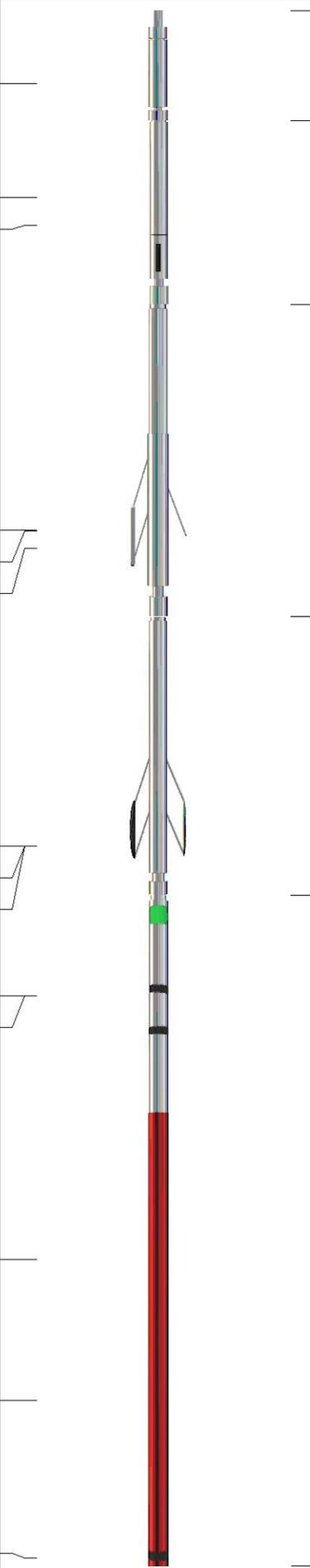
THANK YOU FOR USING MIDWEST WIRELINE LLC
 785-625-3858

Your Midwest Wireline Crew

Engineer: D. Schmidt
 Operator:
 Operator:
 Operator:

This Log Record Was Witnessed By

Primary Witness: Saman Sharifaie
 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 28.17 27.68		CDL-M&W (304-04)	8.50	4.00	250.00
ML-PSI STKBL ML (401)			7.58	4.00	65.00	
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					
CILM	4.50					
SP	0.20					

Dataset: brito_johnson 1-9.db: field/well/stkml/pass3.12
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\brito_johnson 1-9.db
 Dataset field/well/stkml/pass3.12/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	415	60	Off	4798

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

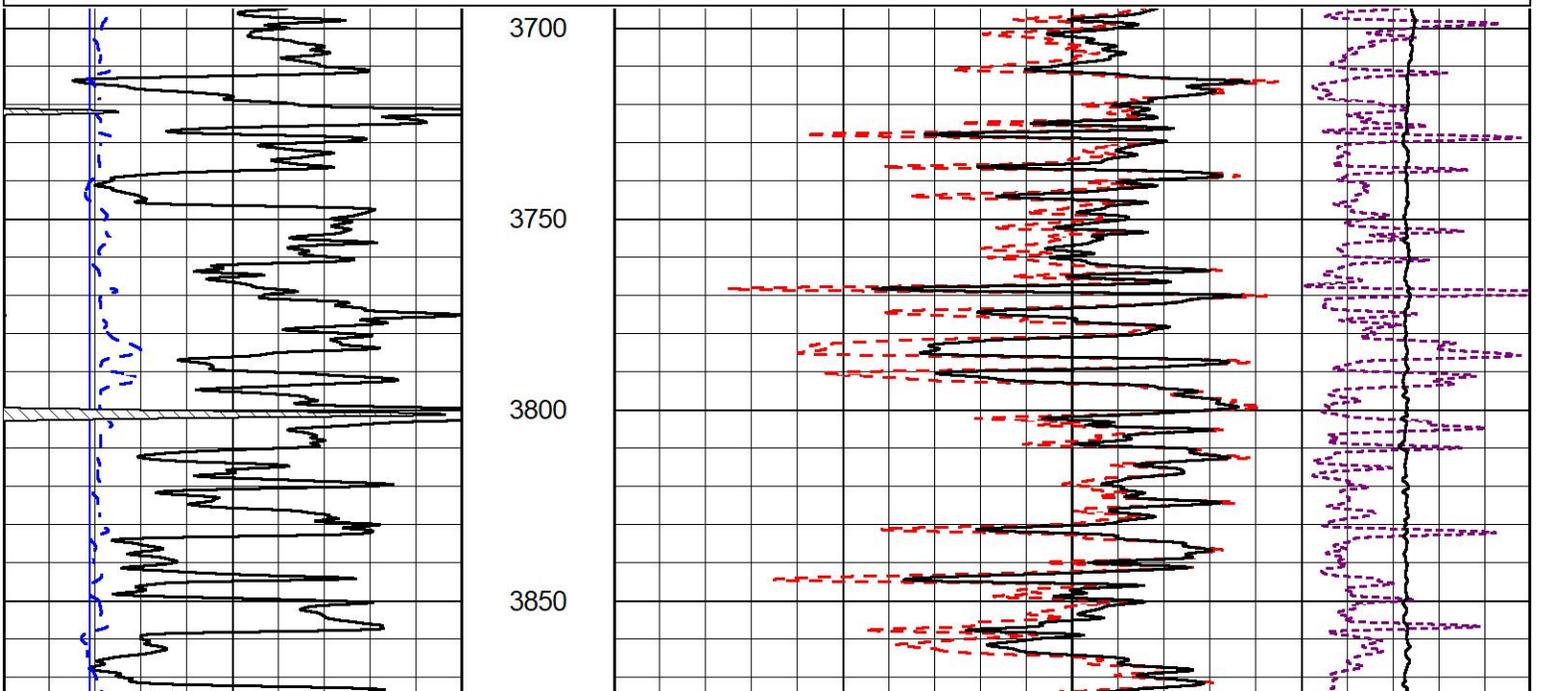


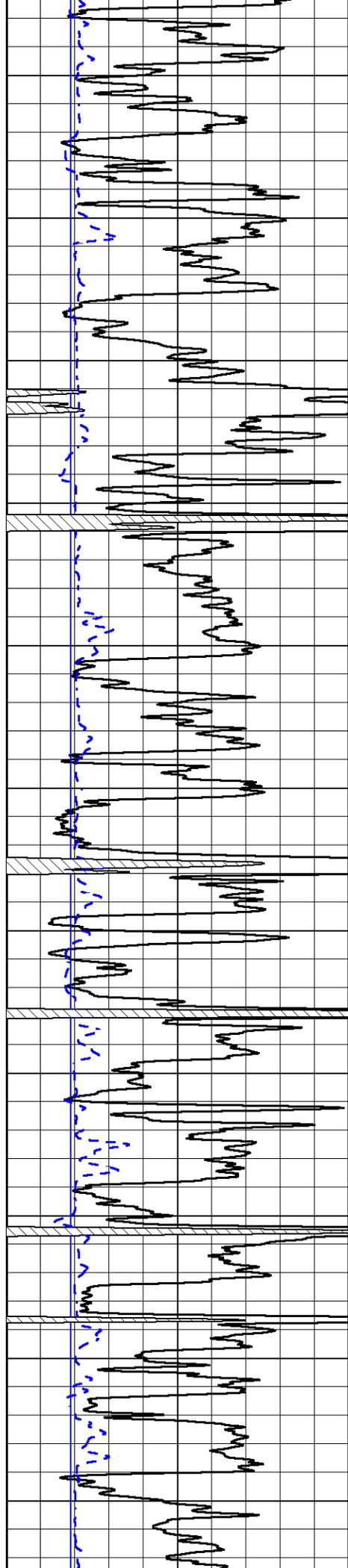
2" SCALE BULK DENSITY

MAIN PASS

Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass3.2
 Presentation Format _cdl
 Dataset Creation Thu Jun 16 03:37:33 2022
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			15000	Line Tension (lb)	0
				-0.25 Correction (g/cc)	0.25





3900

3950

4000

4050

4100

4150

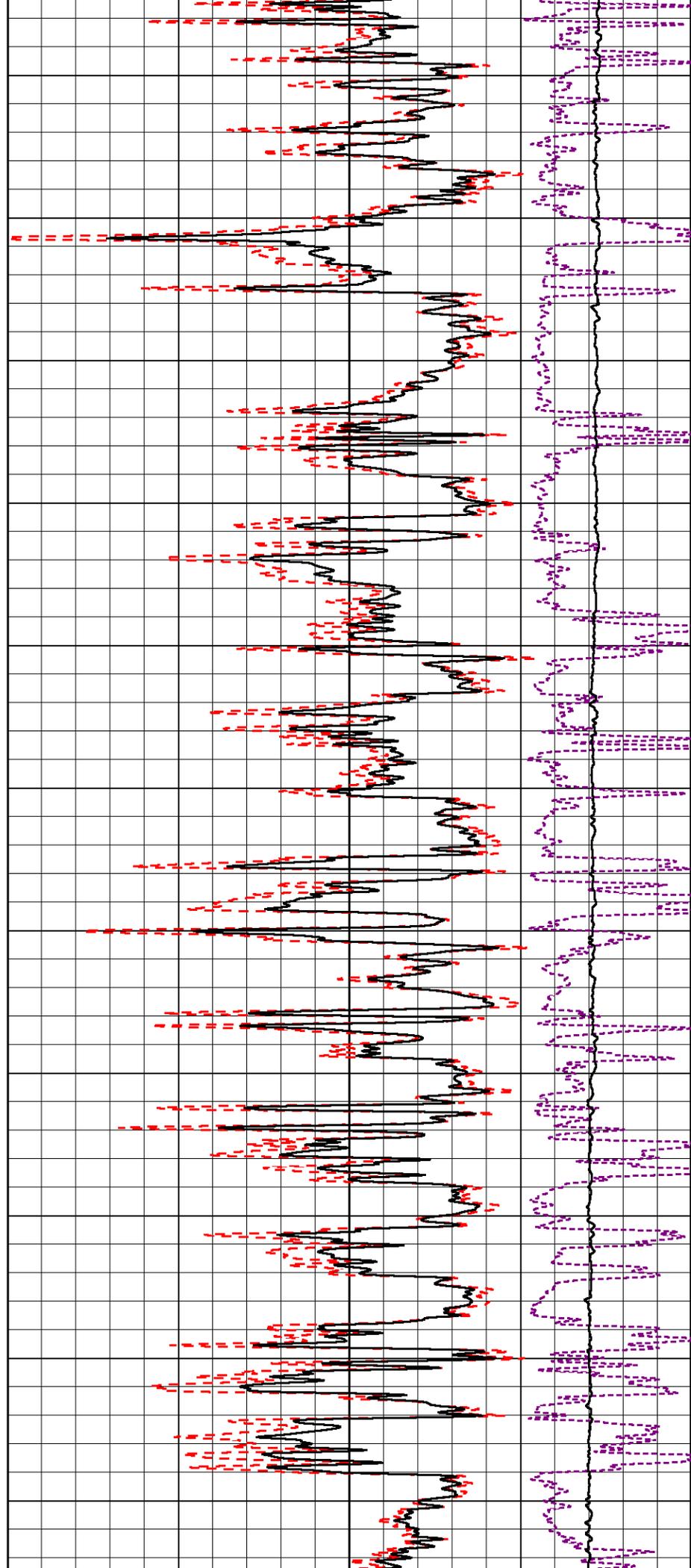
4200

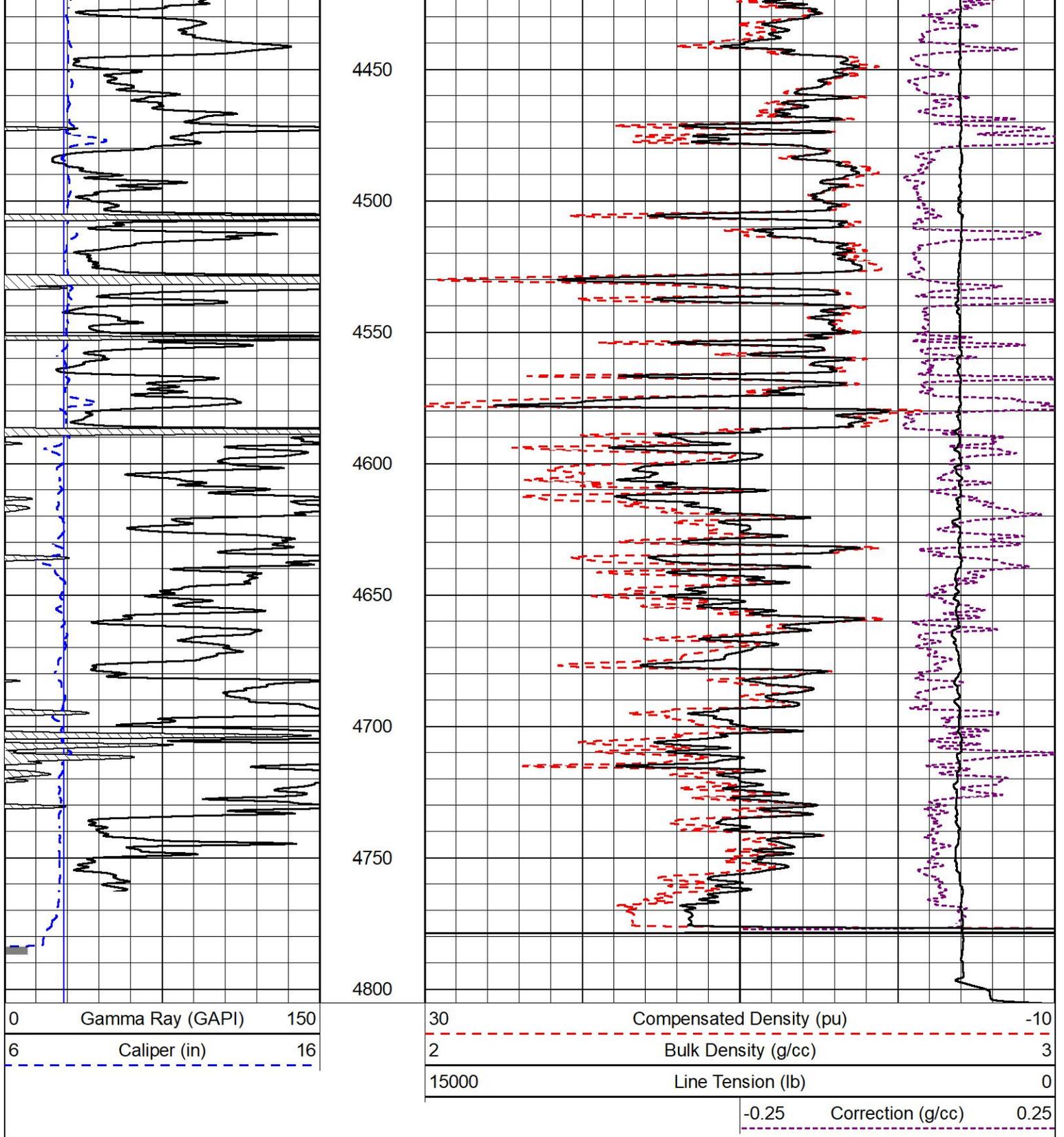
4250

4300

4350

4400





MIDWEST WIRELINE

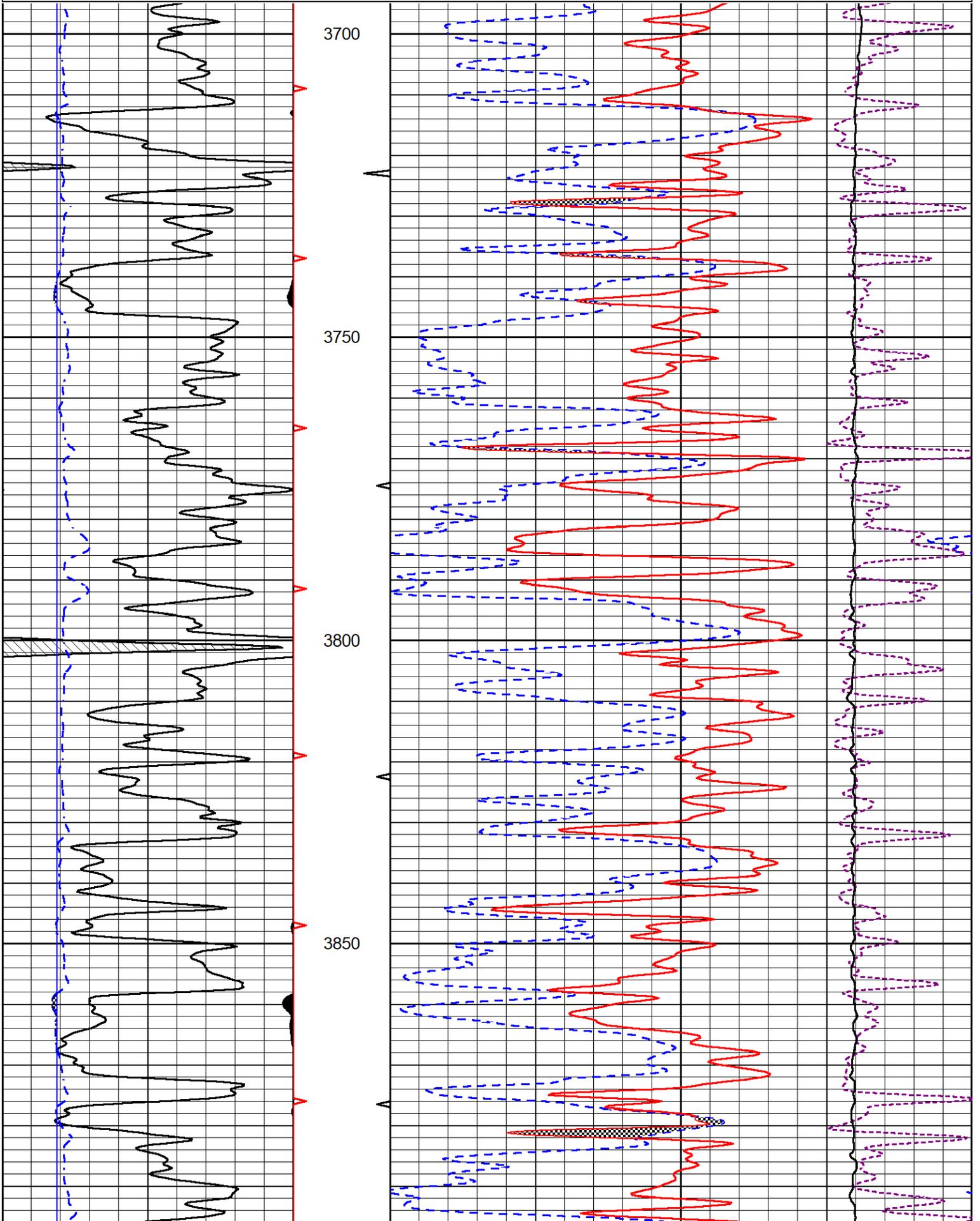
DETAIL SECTION

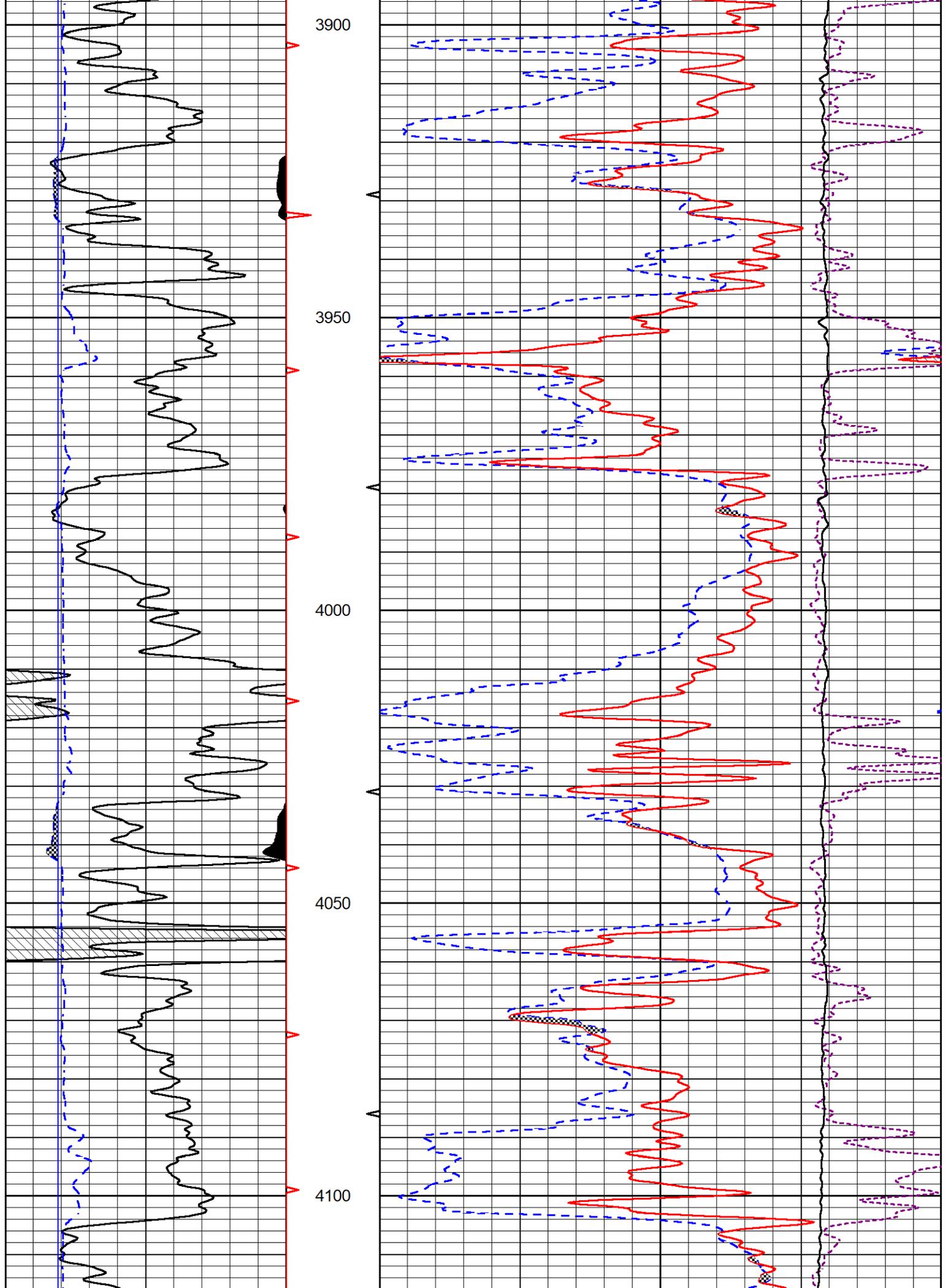
MAIN PASS

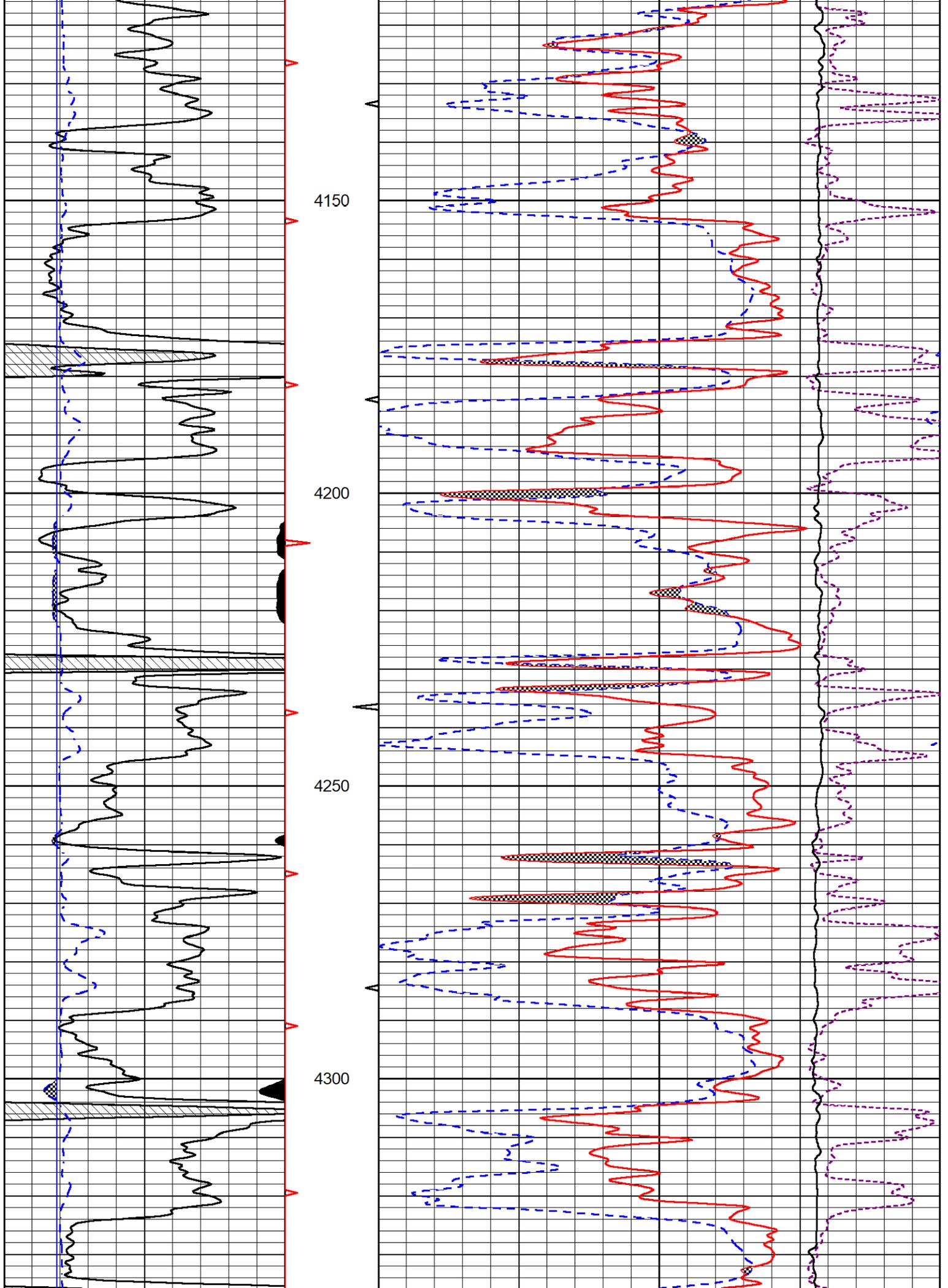
Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass3.5
 Presentation Format _CNDLS~1
 Dataset Creation Thu Jun 16 03:03:29 2022
 Charted by Depth in Feet scaled 1:240

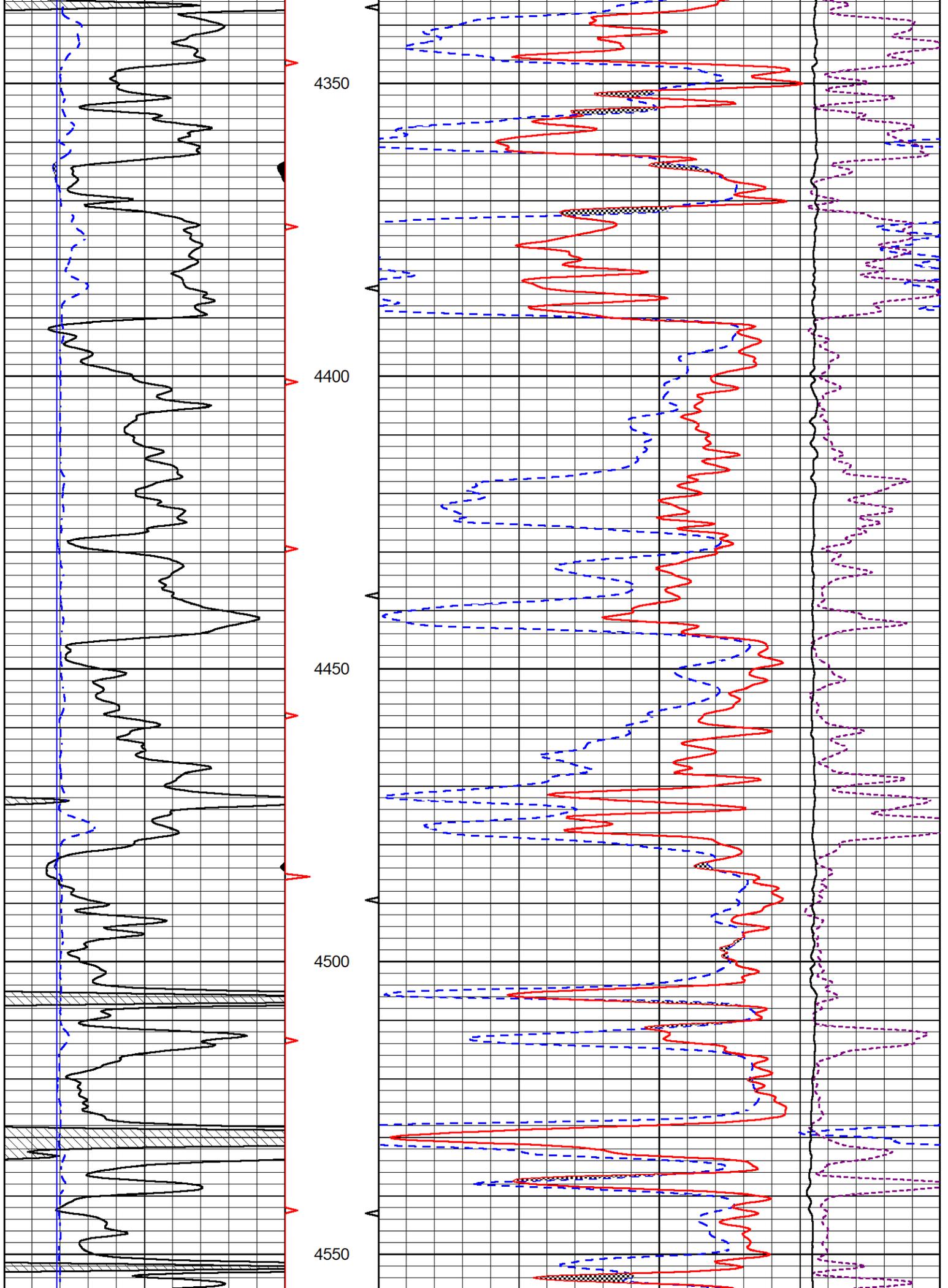
0	GR (GAPI)	150
6	DCAL (in)	16

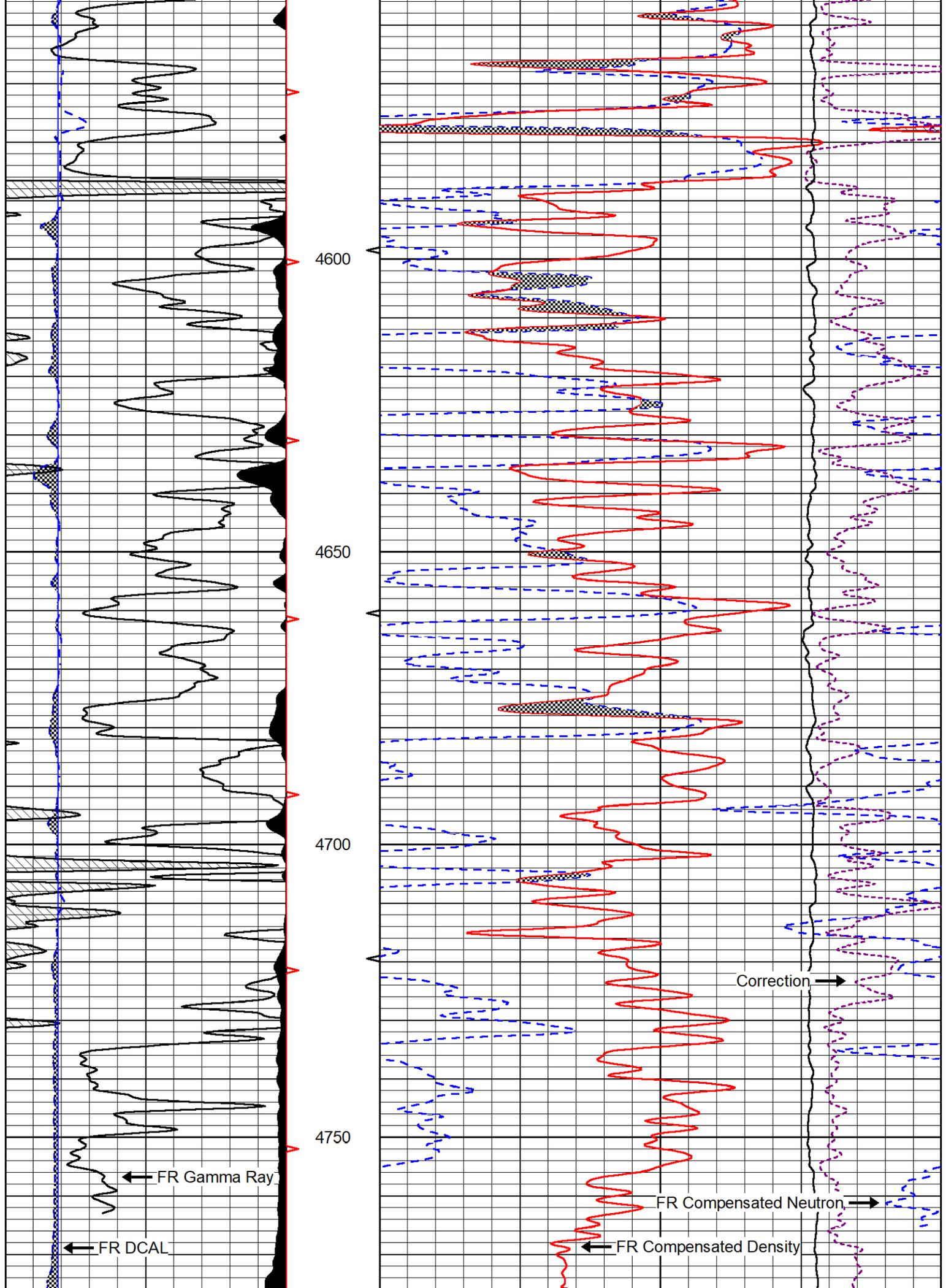
30	Compensated Neutron (pu)	-10	
30	Compensated Density (pu)	-10	
10000	Line Tension (lb)	0	
	-0.25	Correction (g/cc)	0.25

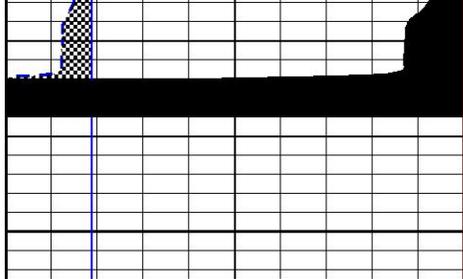






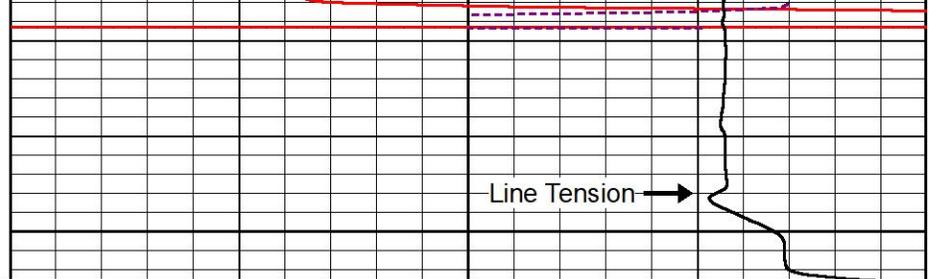






4800

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



MIDWEST WIRELINE

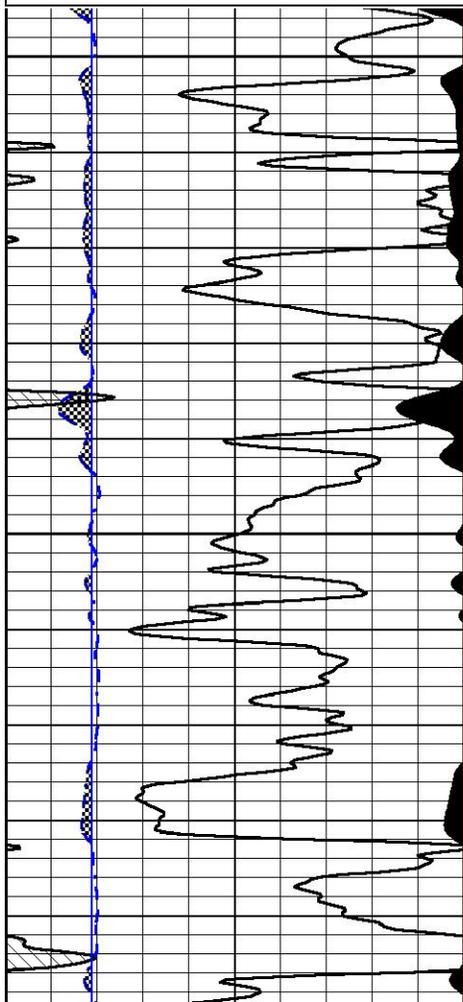
REPEAT SECTION

REPEAT PASS

Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _CNDLS~1
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 Charted by Depth in Feet scaled 1:240

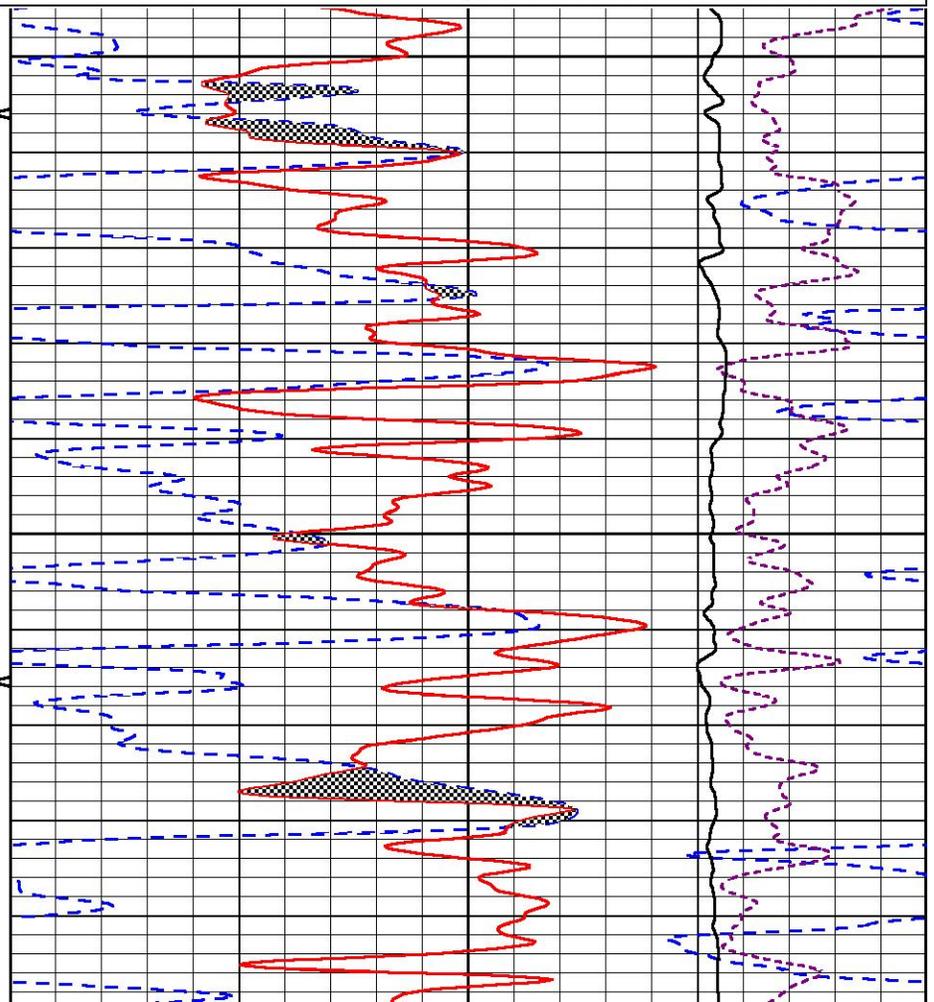
0	GR (GAPI)	150
6	DCAL (in)	16

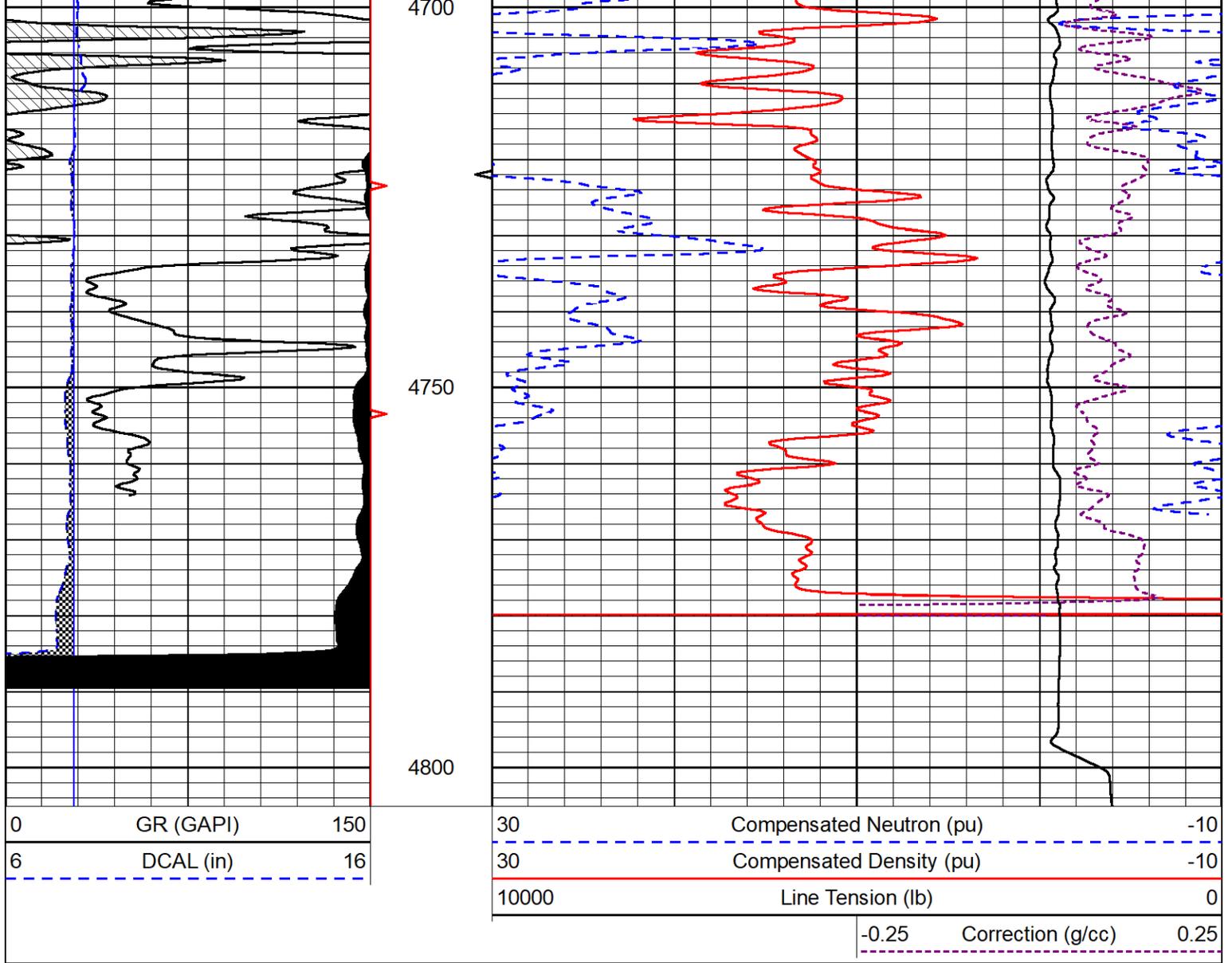
30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25



4600

4650





Calibration Report

Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass3.12
 Dataset Creation Thu Jun 16 02:44:13 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	mmho/m	m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-24.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-49.500

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	15000.0000	-0.8000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	12500.0000	0.0000
Caliper	1.0049	1.0846	5.5000	20.0000	in	165.0000	-162.1500

Compensated Density Calibration Report

Serial-Model: 304-04-M&W
Source #: 21170B
Master Calibration Performed: Sun May 29 09:31:45 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	6392.84	8538.69	cps
Aluminum	2.685	g/cc	1184.69	5433.63	cps
Spine Angle = 74.99			Density/Spine Ratio = 0.533		
	Size		Reading		
Small Ring	4.00	in	1.15		
Large Ring	14.00	in	1.02		

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 Brito Oil Company, Inc.
Well Johnson #1-9
Field
County Rawlins
State Kansas