



MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company Brito Oil Company, Inc.

Well Johnson #1-9

Field

County Rawlins State Kansas

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

2114 FNL & 518 FEL

SEC 9 TWP 4S RGE 36W

Other Services
CNL/CDL
DIL

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

Date	6/16/2022
Run Number	One
Depth Driller	4800
Depth Logger	4798
Bottom Logged Interval	4797
Top Log Interval	3700
Casing Driller	8:625 @ 348
Casing Logger	345
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2000
Density / Viscosity	9.2 54
pH / Fluid Loss	10.5 7.2
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.80 @ 76
Rmt @ Meas. Temp	0.60 @ 76
Rmc @ Meas. Temp	1.08 @ 76
Source of Rmf / Rmc	CHARTS
Rm @ BHT	0.49 @ 124
Operating Rig Time	3 Hours
Max Rec. Temp. F	124
Equipment Number	P-108
Location	HAYS
Recorded By	D. Schmidt
Witnessed By	Saman Sharifaie

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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

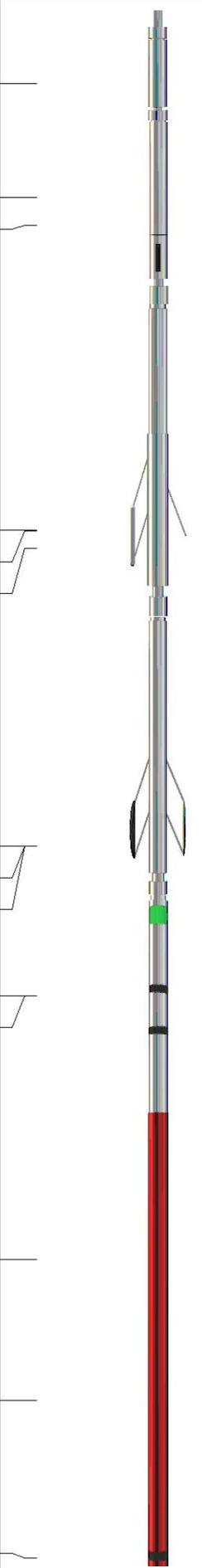
THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

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



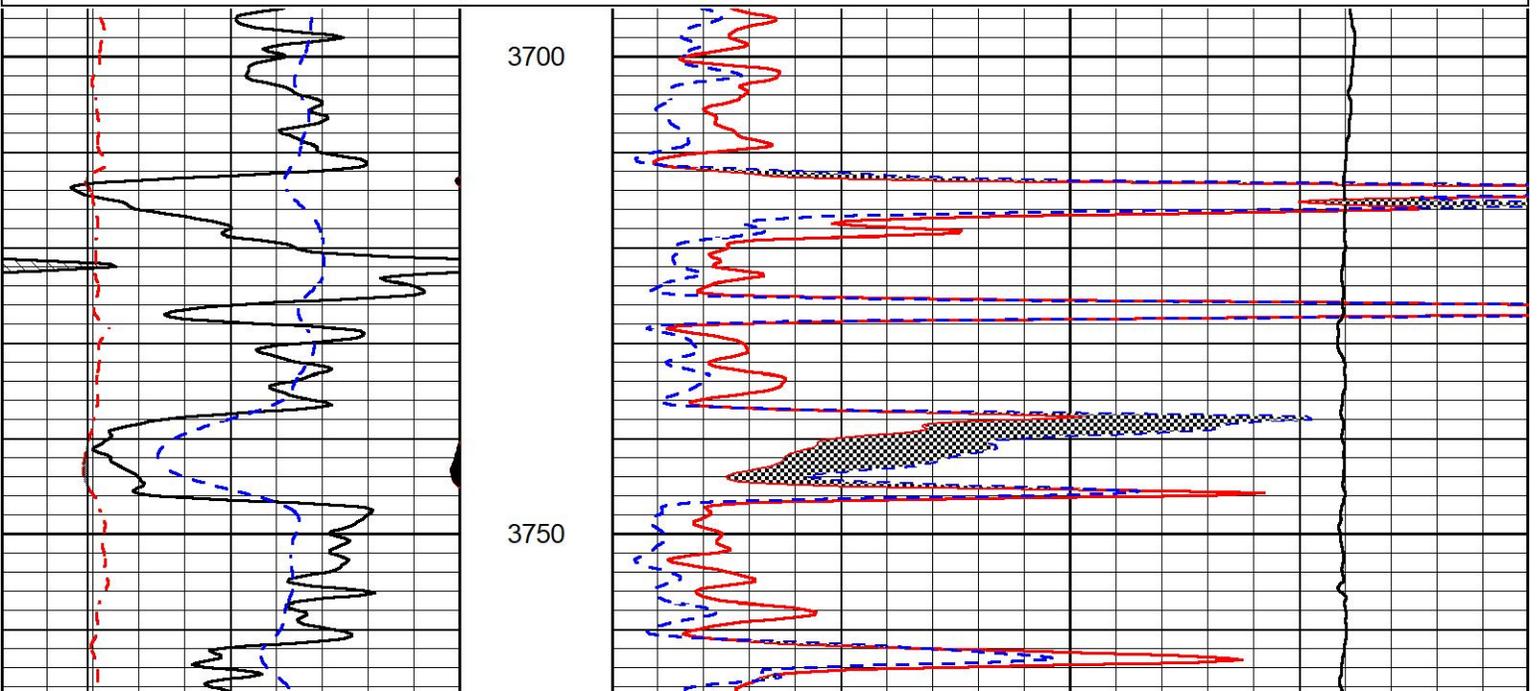
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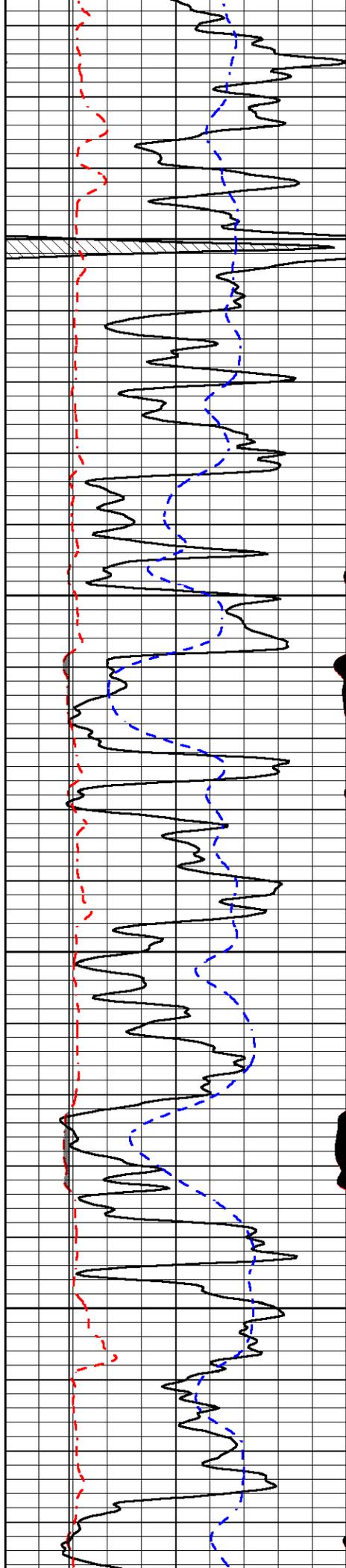
MAIN PASS

Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass3.1
 Presentation Format _micro
 Dataset Creation Thu Jun 16 03:35:37 2022
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



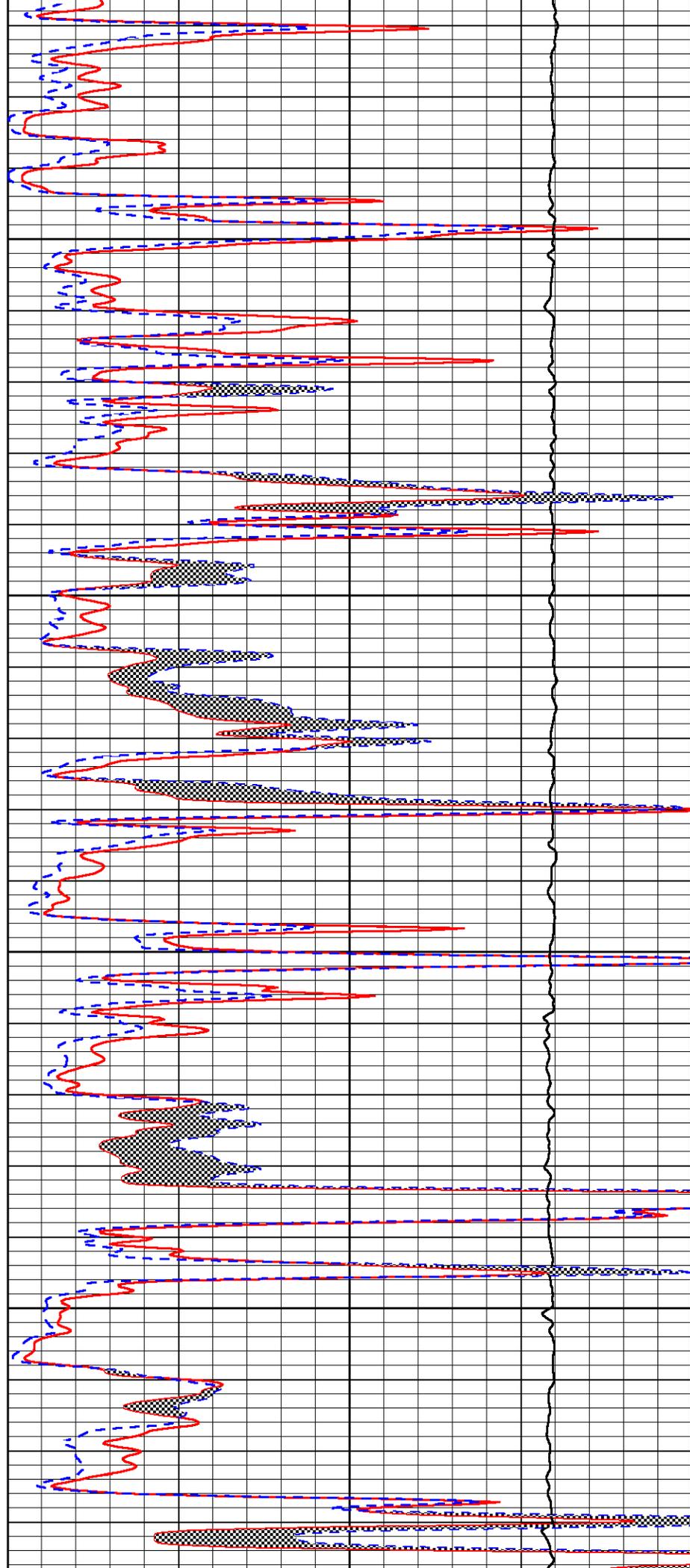


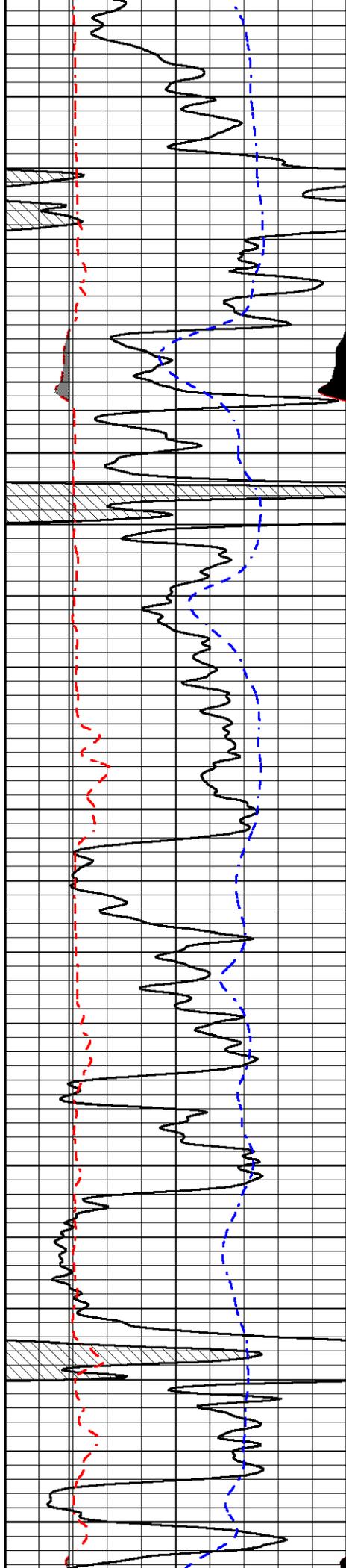
3800

3850

3900

3950





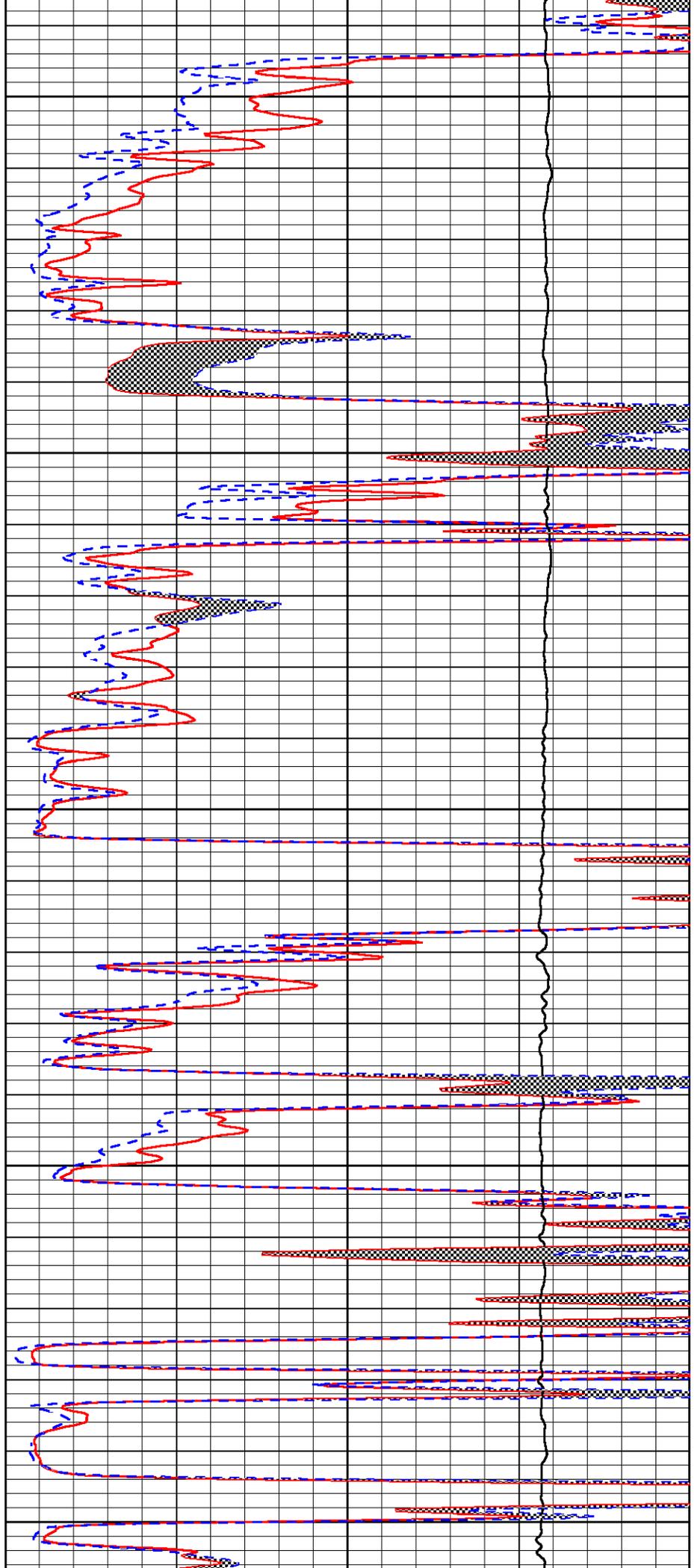
4000

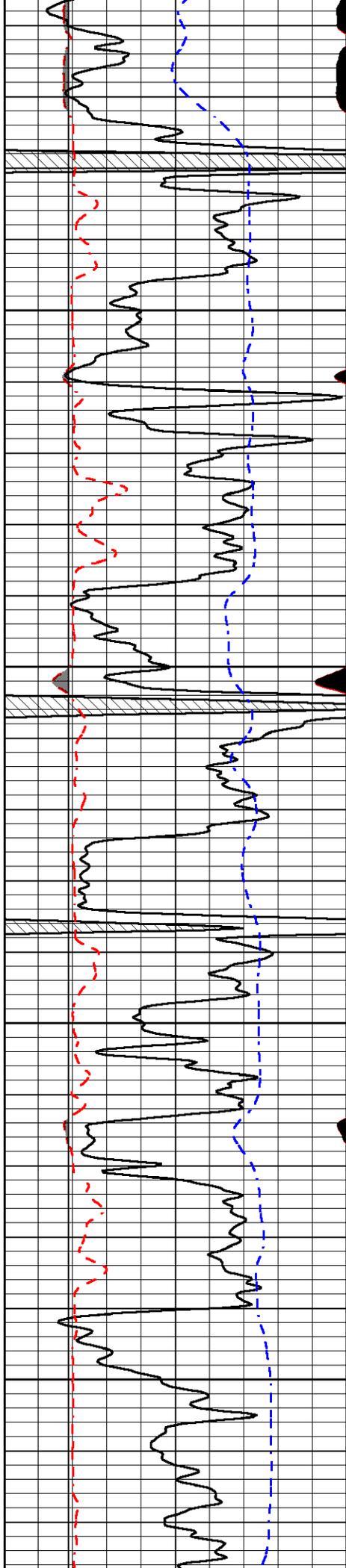
4050

4100

4150

4200



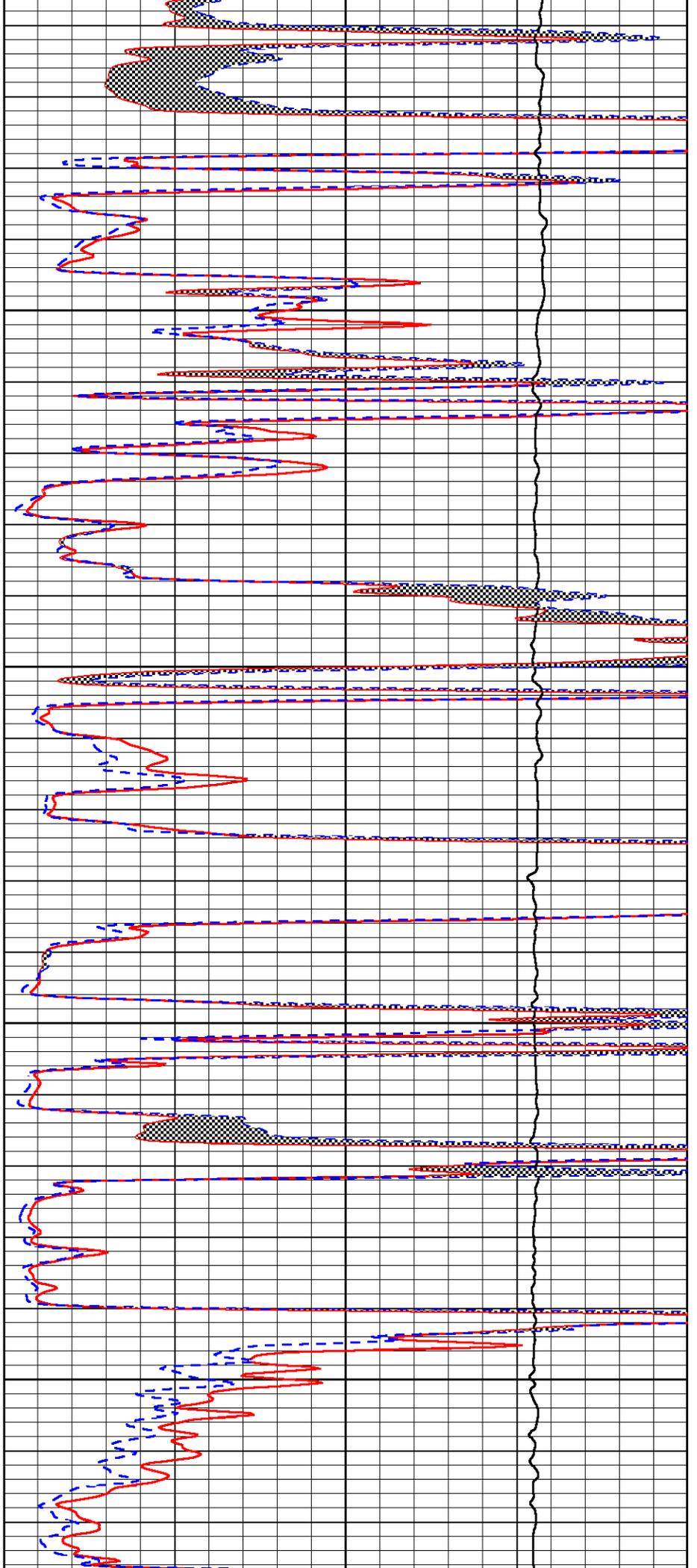


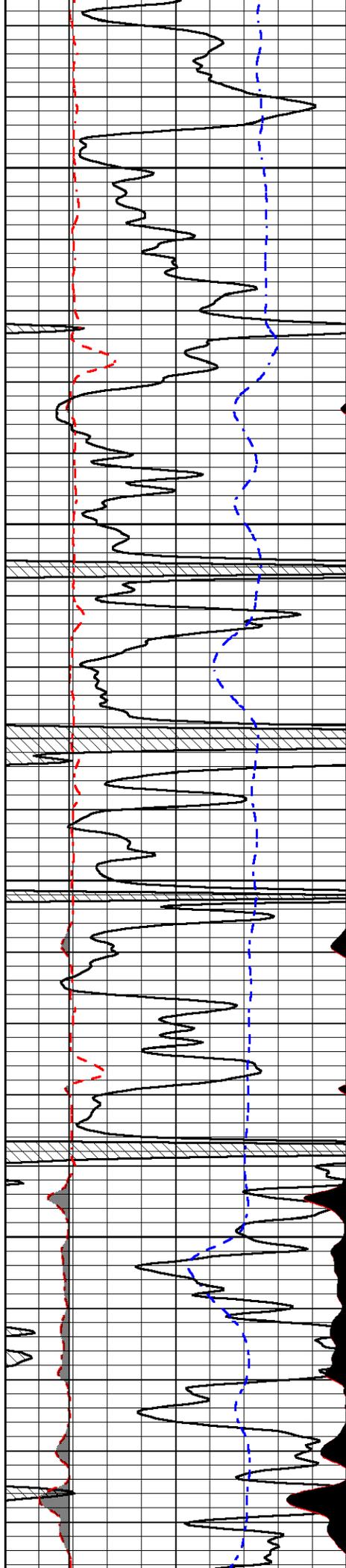
4250

4300

4350

4400



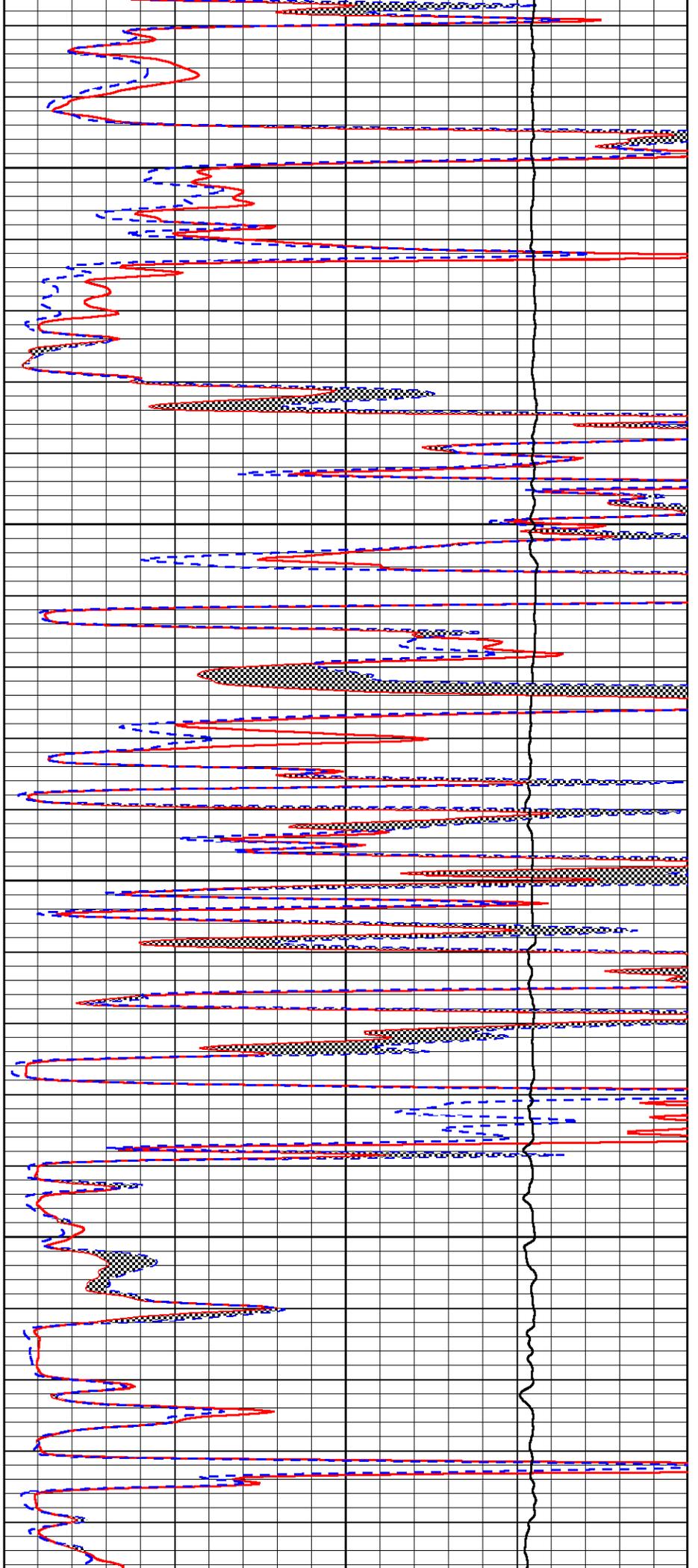


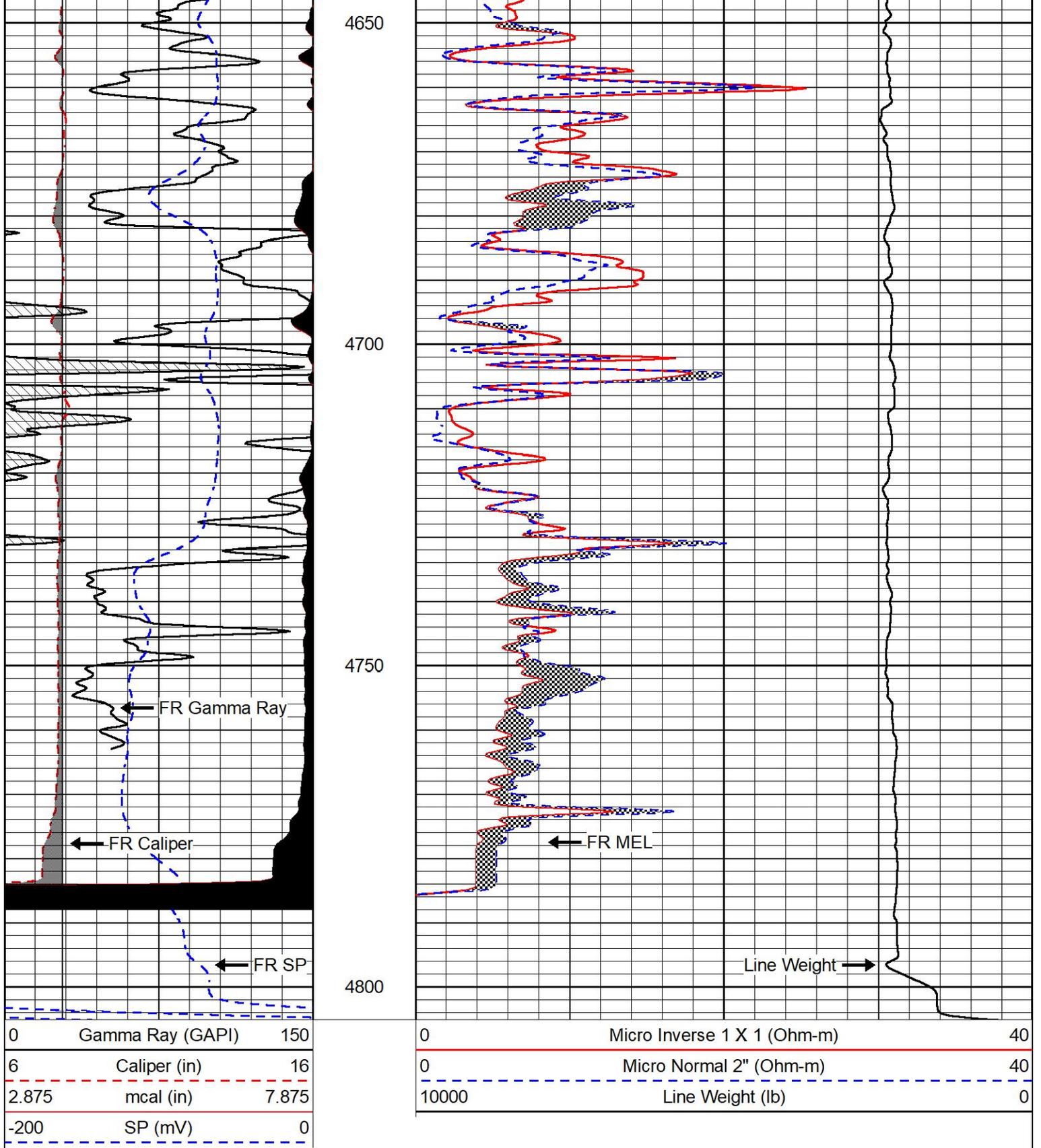
4450

4500

4550

4600





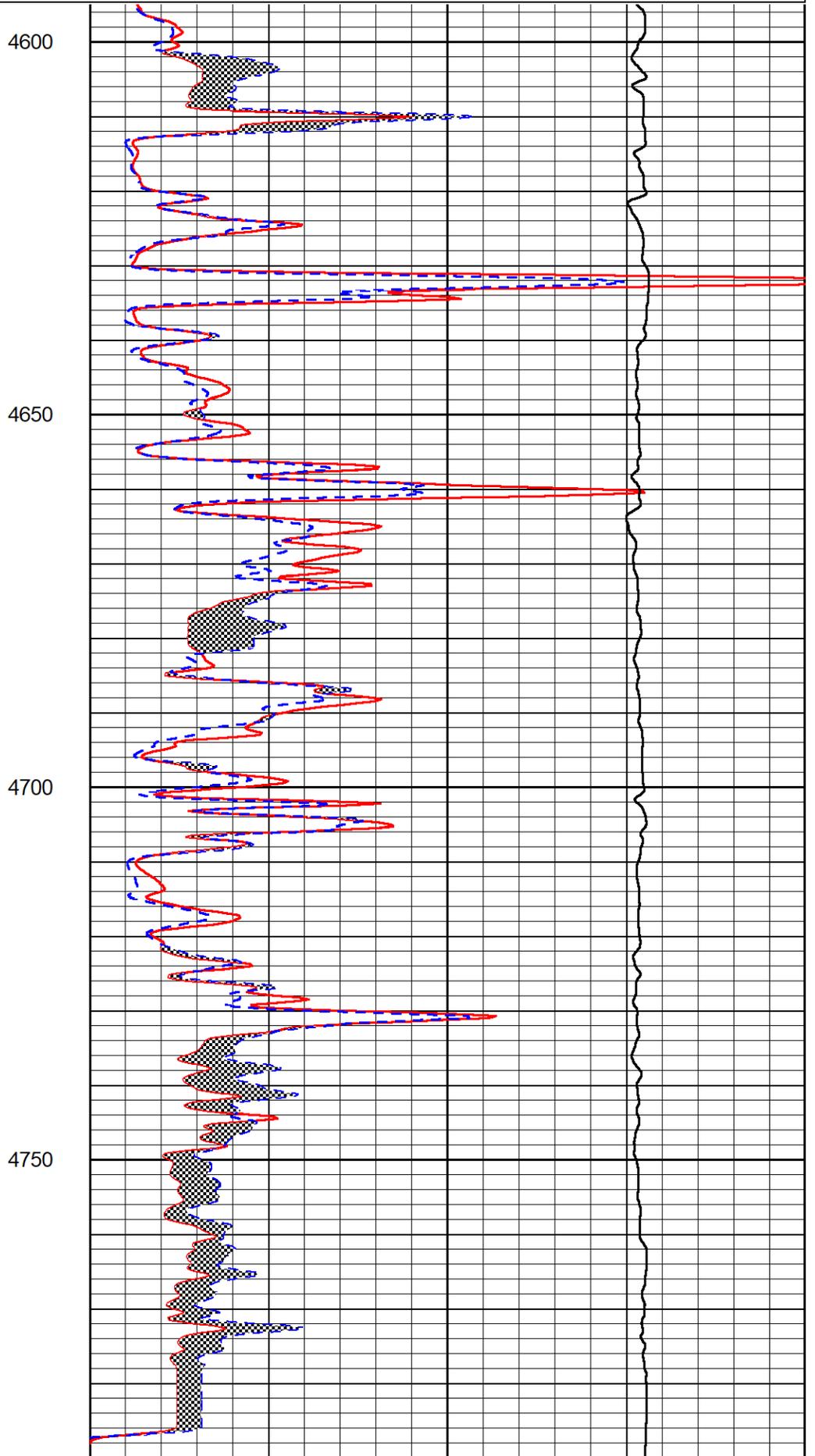
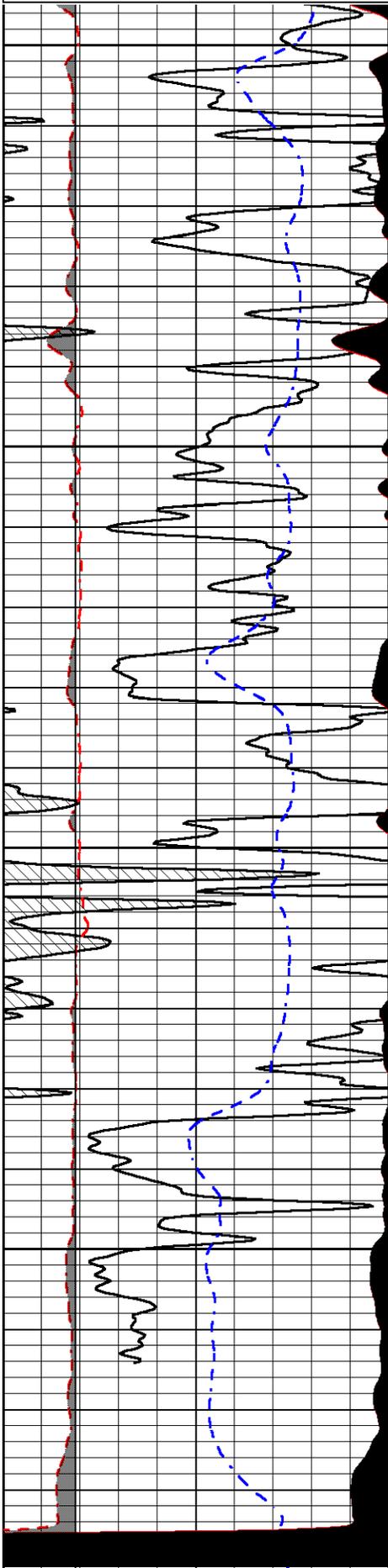
REPEAT SECTION

REPEAT PASS

Database File brito_johnson 1-9.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _micro
 Dataset Creation Thu Jun 16 02:47:35 2022
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



4800					
0	Gamma Ray (GAPI)	150	0	Micro Inverse 1 X 1 (Ohm-m)	40
6	Caliper (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	mcal (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			

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		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