



PIONEER
Pioneer Energy Services

MICRORESISTIVITY LOG

Company BRITO OIL COMPANY, INC.
Well TAYLOR #33-1
Field WILDCAT
County SHERMAN
State KANSAS

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Location: API #: 15-181-20633-00-00

1690' FSL & 1208' FEL

SEC 33 TWP 6S RGE 37W

Permanent Datum GROUND LEVEL Elevation 3457'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3462'
D.F. N/A
G.L. 3457'

Date 2/14/2020

Run Number	ONE		
Depth Driller	5100'		
Depth Logger	5104'		
Bottom Logged Interval	5103'		
Top Log Interval	4000'		
Casing Driller	8.625" @ 391'		
Casing Logger	391'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	5500		
Density / Viscosity	9.4 57		
pH / Fluid Loss	10.5 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 67		
Rmt @ Meas. Temp	0.53 @ 67		
Rmc @ Meas. Temp	0.95 @ 67		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.37 @ 127		
Operating Rig Time	3 HOURS		
Max Rec. Temp. F	127		
Equipment Number	P-108		
Location	HAYS		
Recorded By	IAN MABB		
Witnessed By	BRAD RINE		

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

BREWSTER, KS.
9 MILES NORTH TO RD X,
4 MILES WEST, NORHT INTO 1 MILE

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: IAN MABB
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: BRAD RINE
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\brito_taylor_33_1.db
Dataset field/well/stackmel/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 127	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 4	mV 358	degF 0	Off	ft 5104

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	44.50		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC	41.40		CNT-M&W (tk10-MW)	5.50	3.50	100.00
CNSSC	40.65					
LSD	32.35		CDL-M&W (934-229)	8.50	4.00	250.00
DCAL	32.33					
SSD	31.85					
ML-PSI UDM ML (UDM-01)			Stackable Microlog Tools	11.50	4.00	215.00
MCAL	20.87					
MI	20.87					
MN	20.87					
RLL3	15.80					
RLL3F	15.79					
CILD	8.00		DIL-M&W (55-222)	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: brito_taylor_33_1.db: field/well/stackmel/pass3.1
Total length: 47.00 ft
Total weight: 835.00 lb
O.D.: 4.00 in

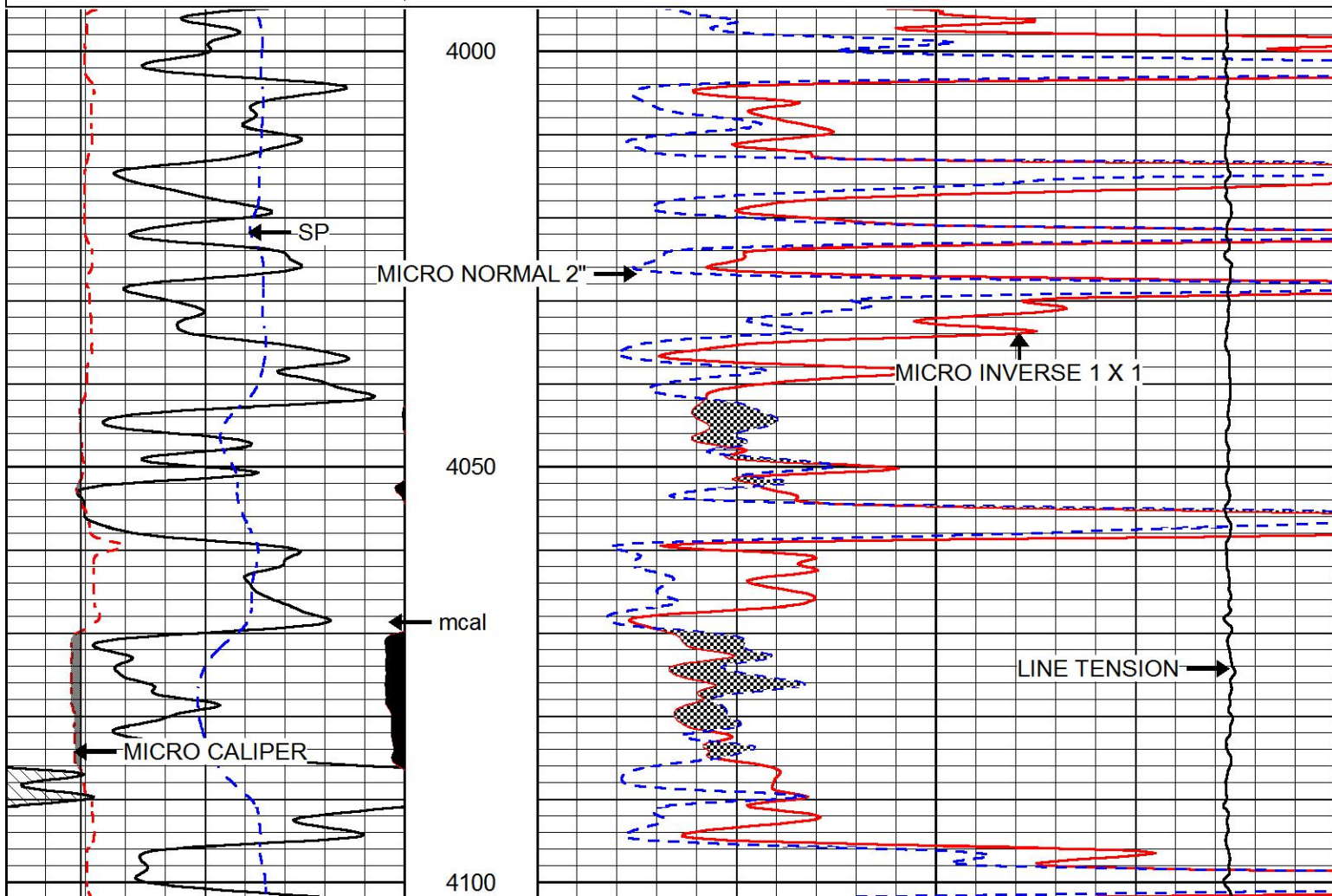


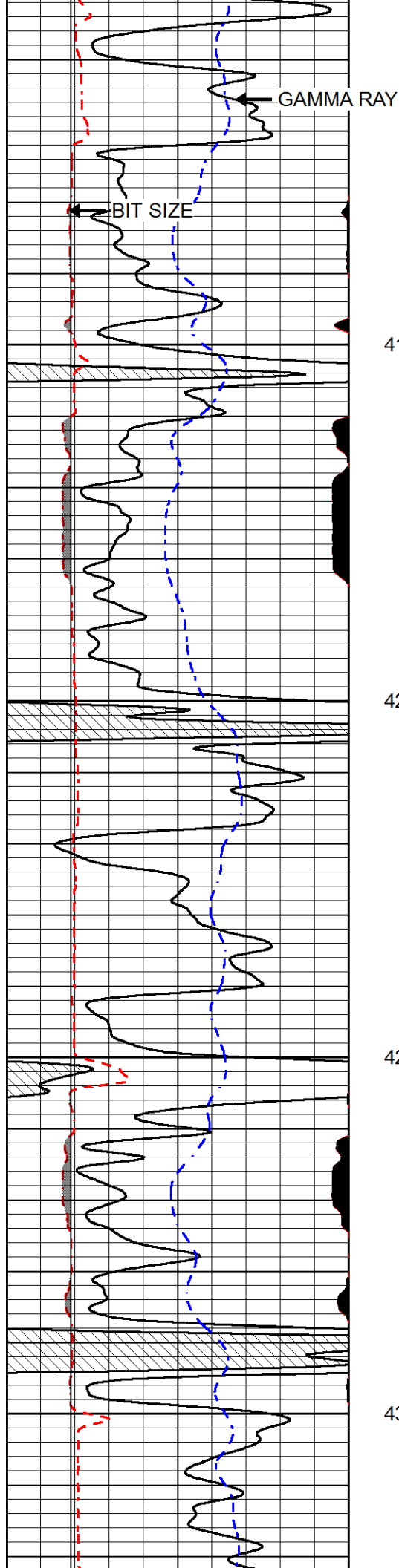
MAIN PASS

Database File brito_taylor_33_1.db
Dataset Pathname stackmel/pass3.1
Presentation Format micro
Dataset Creation Fri Feb 14 17:28:05 2020
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



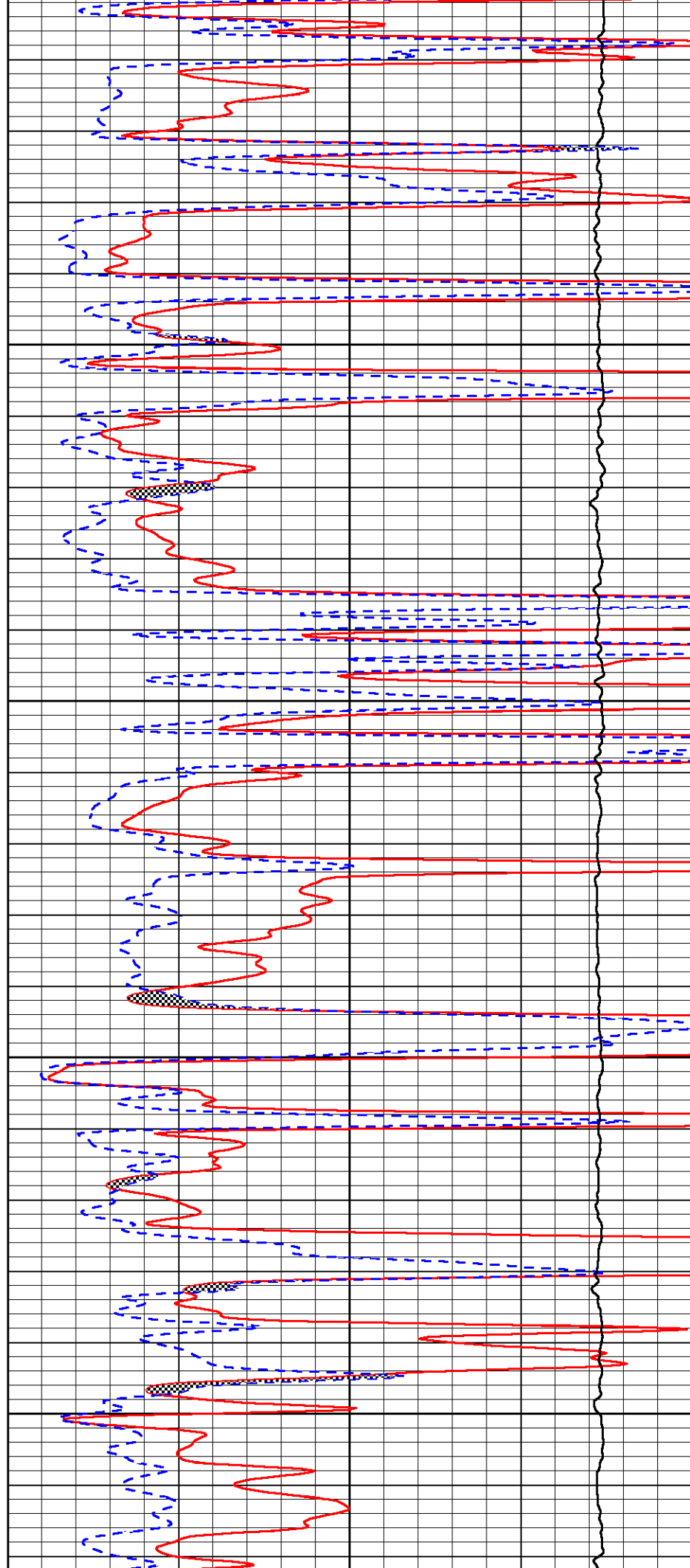


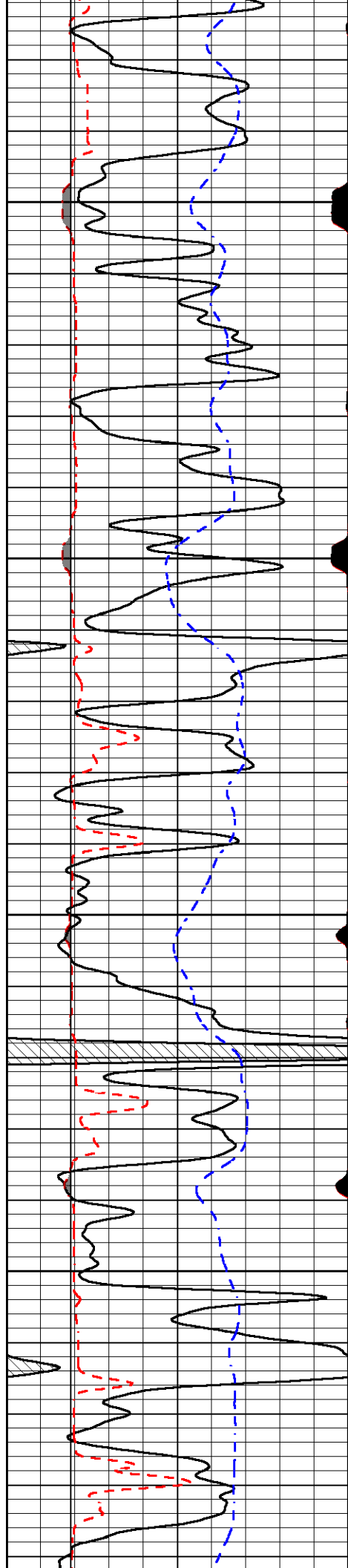
4150

4200

4250

4300



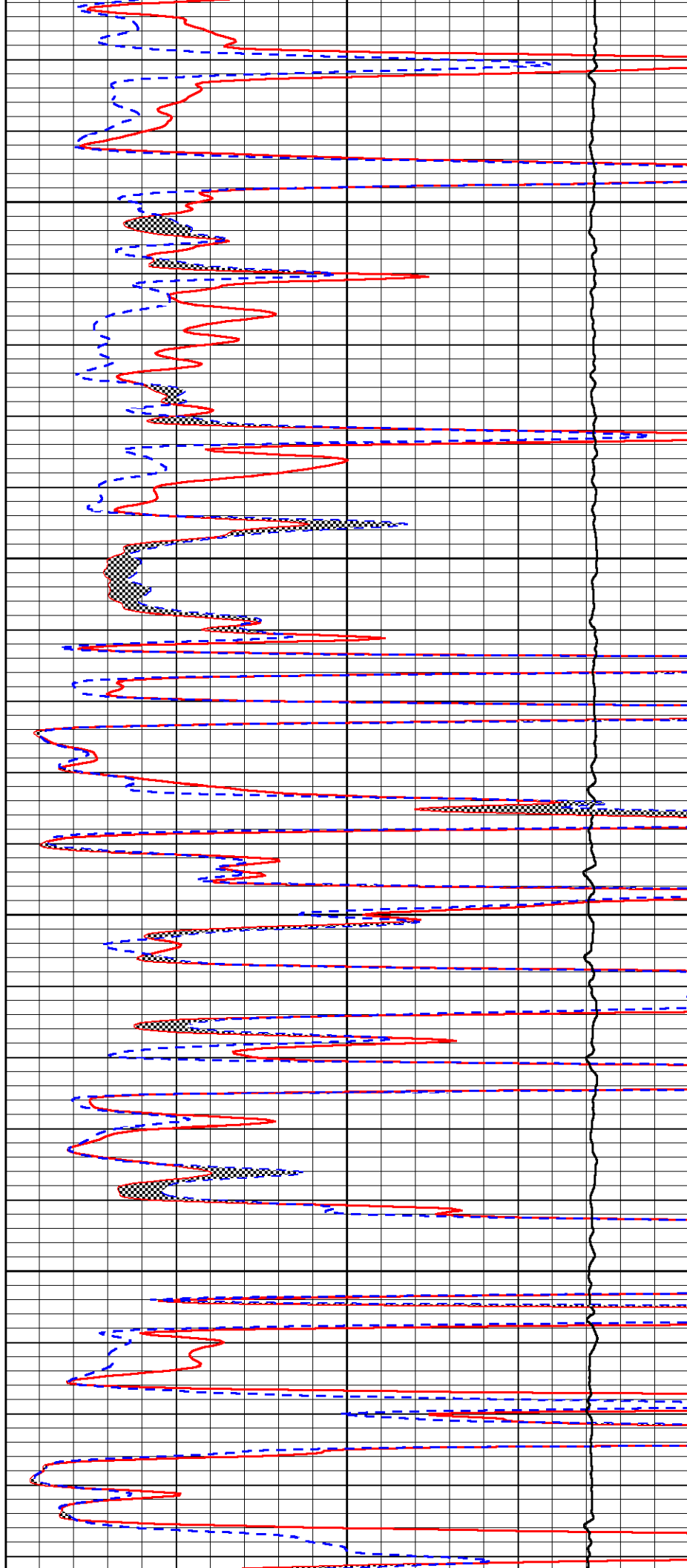


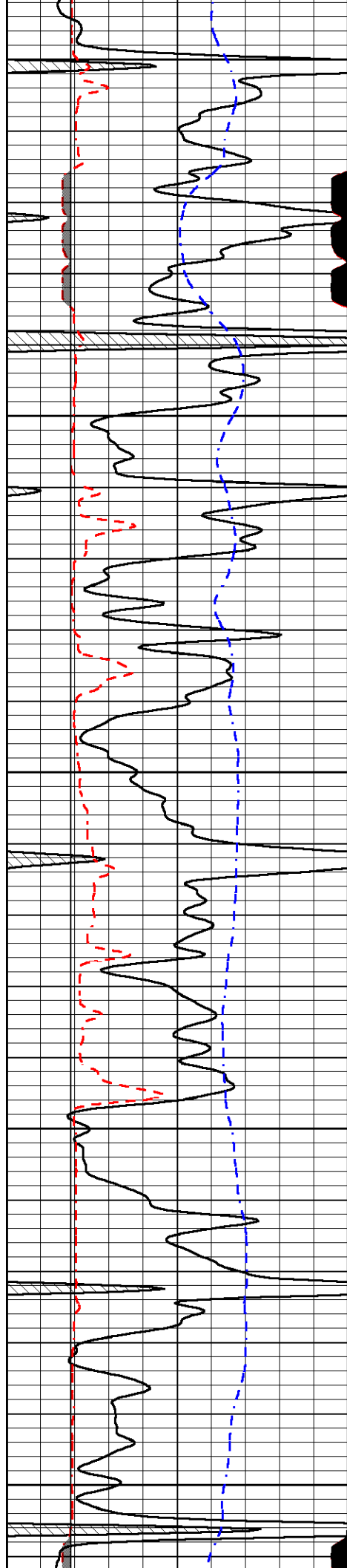
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4400

4450

4500





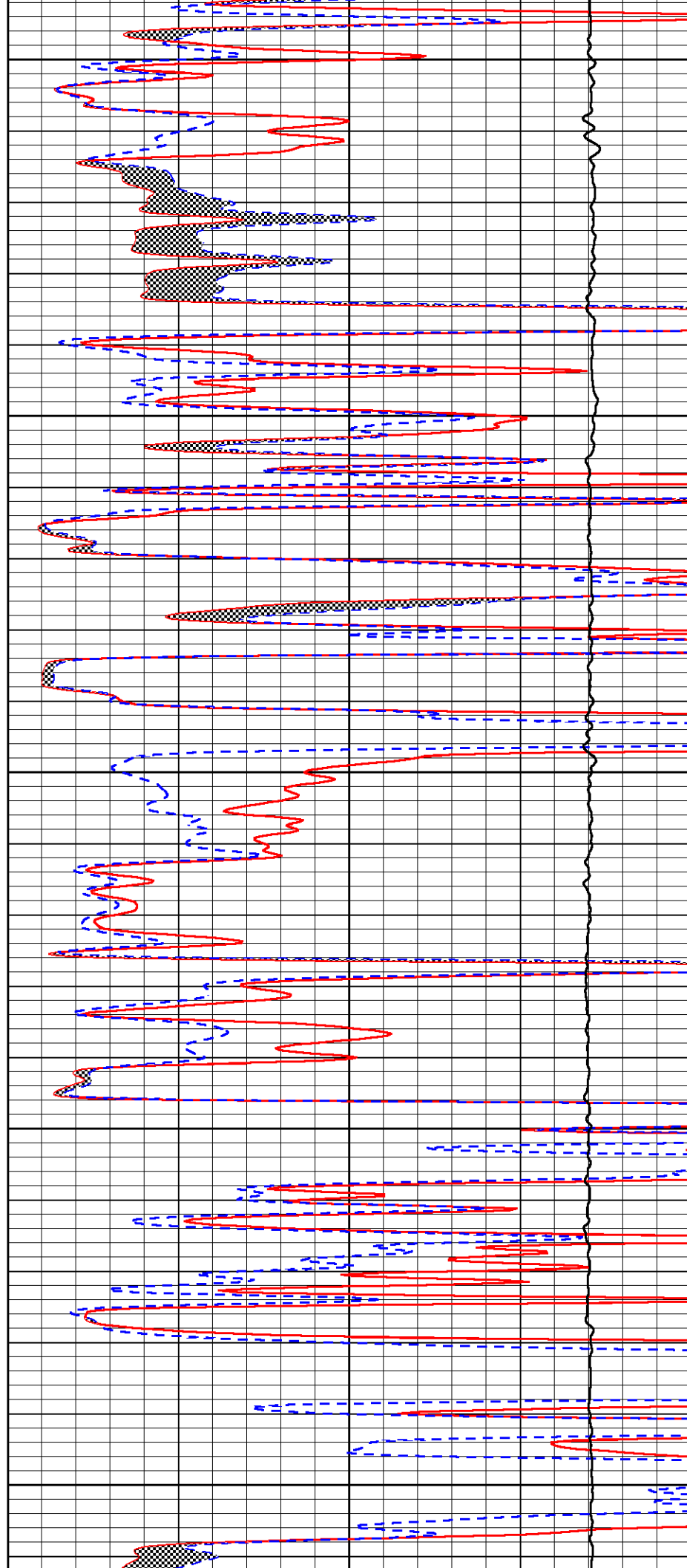
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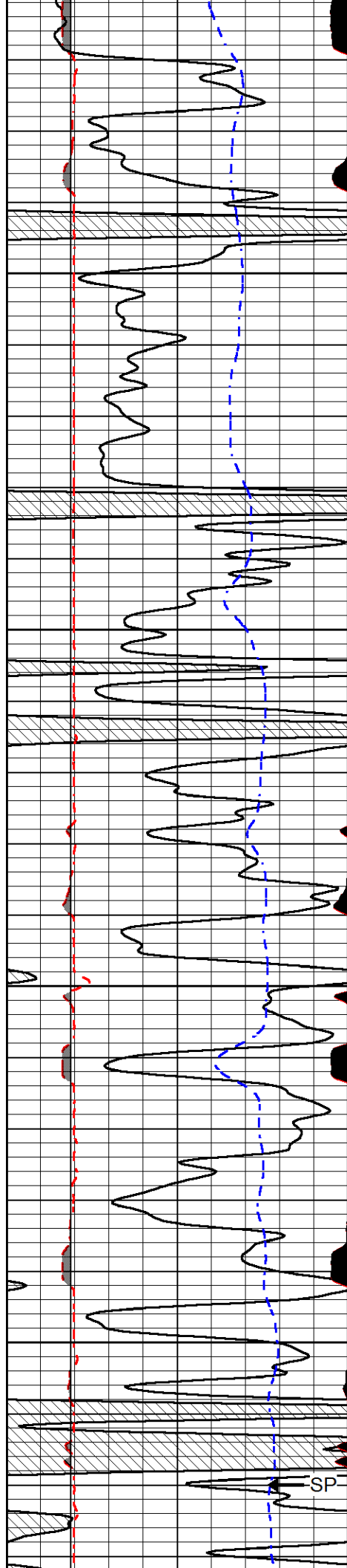
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4650

4700

4750



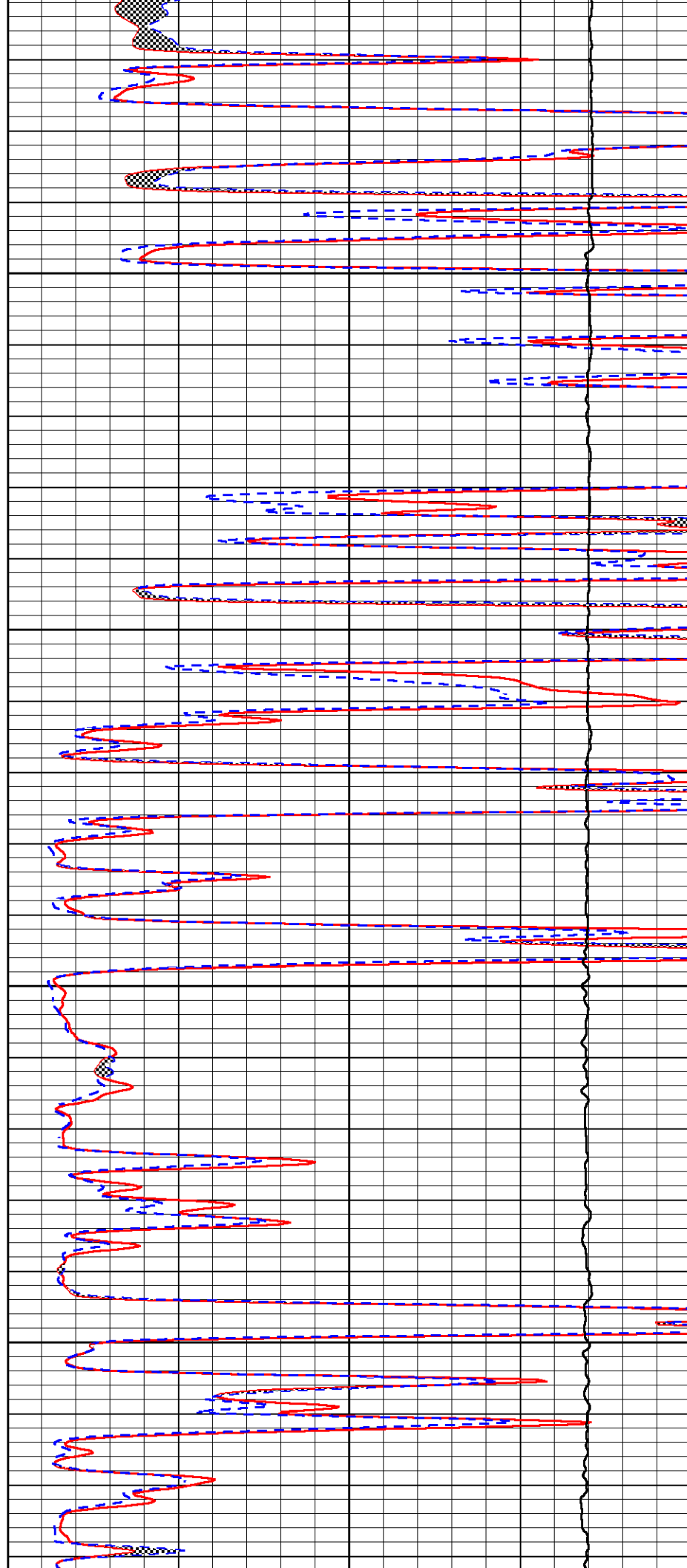


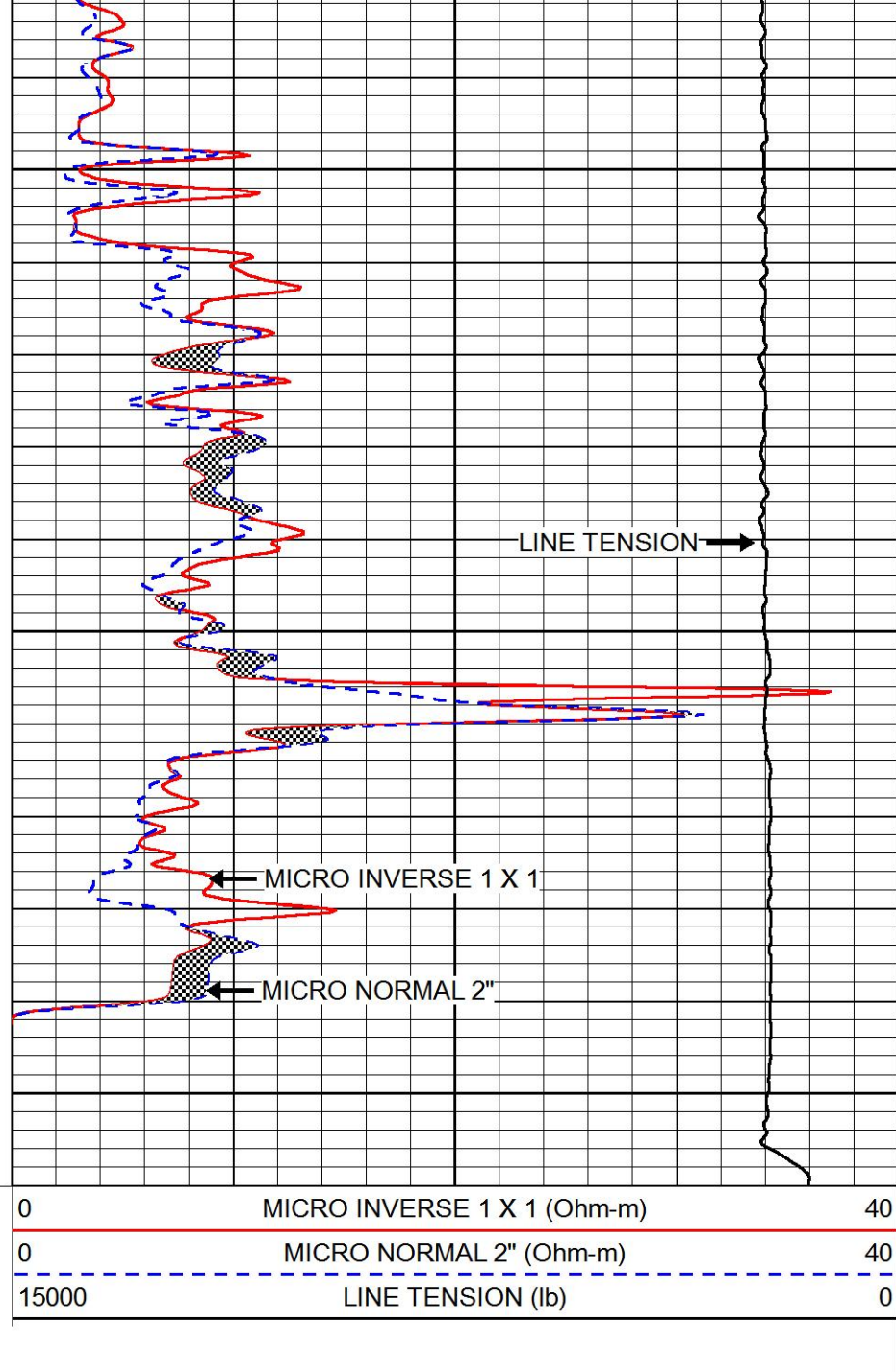
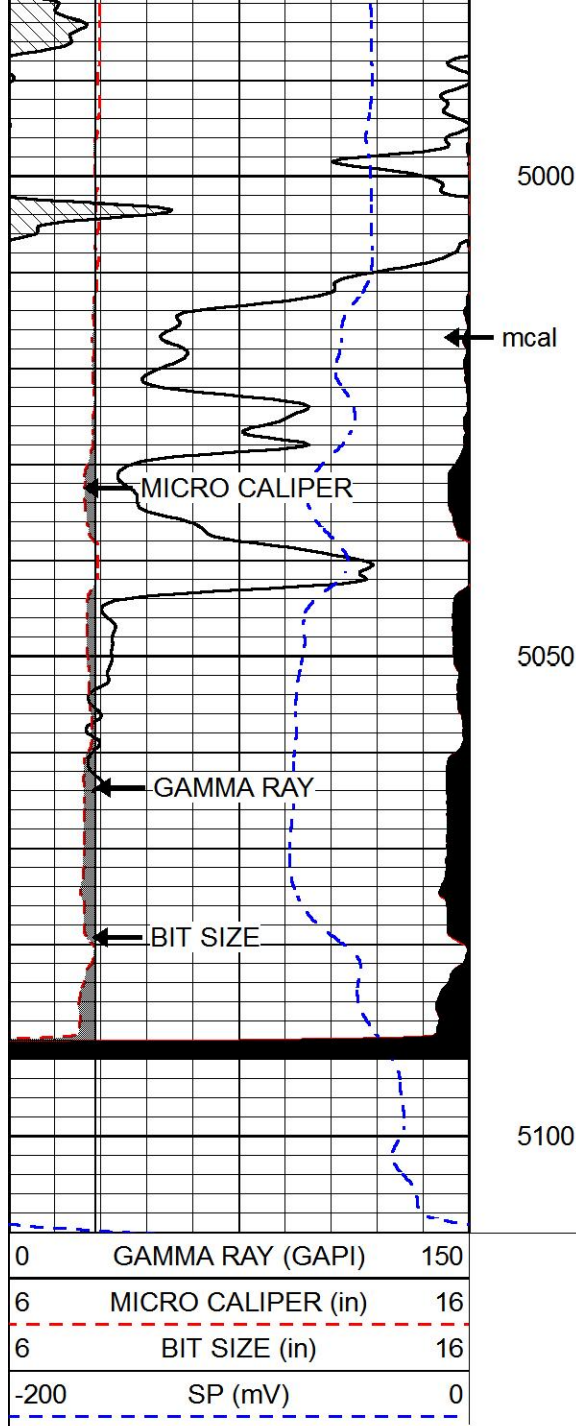
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4850

4900

4950



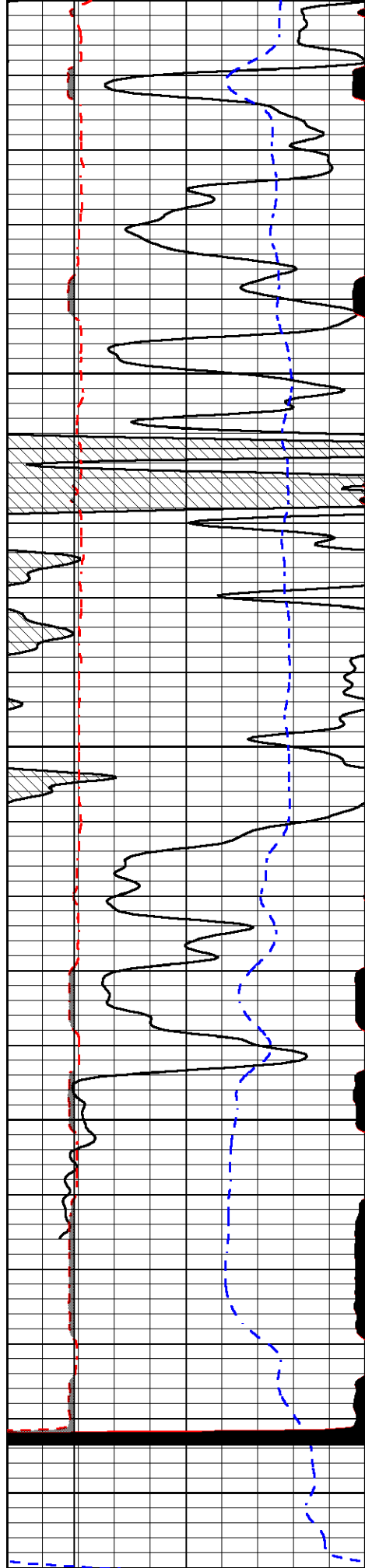


REPEAT SECTION

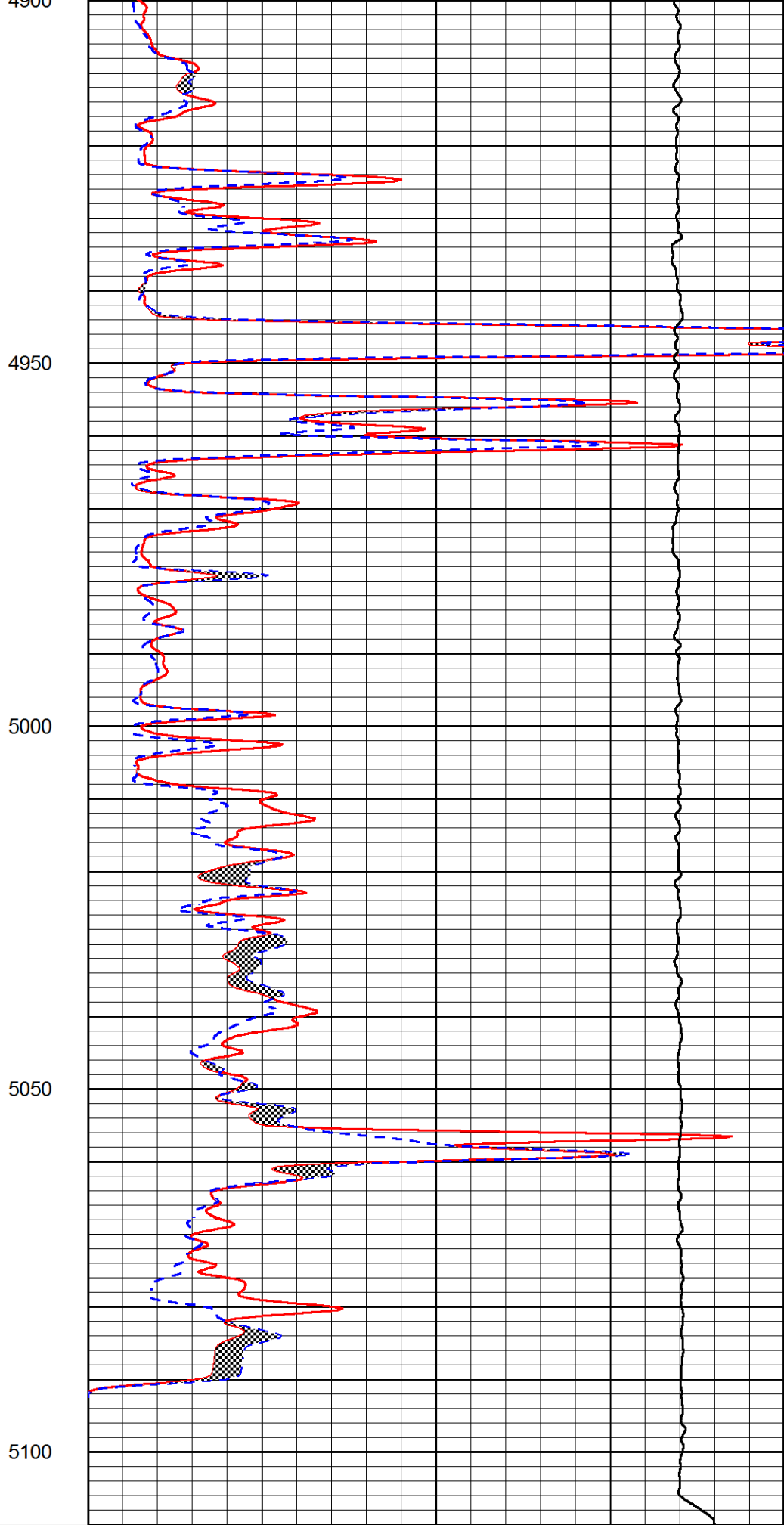
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 Dataset Pathname stackmel/pass2.1
 Presentation Format micro
 Dataset Creation Fri Feb 14 17:04:45 2020
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



0 GAMMA RAY (GAPI) 150
6 MICRO CALIPER (in) 16



0 MICRO INVERSE 1 X 1 (Ohm-m) 40
0 MICRO NORMAL 2" (Ohm-m) 40

6	BIT SIZE (in)	16	15000	LINE TENSION (lb)	0
-200	SP (mV)	0			

Calibration Report

Database File brito_taylor_33_1.db
Dataset Pathname stackmel/pass3.1
Dataset Creation Fri Feb 14 17:28:05 2020

Dual Induction Calibration Report

Serial-Model: 55-222-M&W
Calibration Performed: Tue Dec 10 05:11:10 2019

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	167.000	835.000	0.000	255.800	mmho/m	0.500	-41.000
Medium	0.000	1348.000	142.000	255.800	mmho/m	0.370	-15.000

Microlog Calibration Report

Serial-Model: UDM-01-PSI UDM ML
Performed: Fri May 31 06:10:42 2019

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	23000.0000	0.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	28000.0000	0.0000
Caliper	1.0019	1.2642	8.0000	22.0000	in	53.3774	-47.5000

Compensated Density Calibration Report

Serial-Model: 934-229-M&W
Source / Verifier: 21170B /
Master Calibration Performed: Thu Dec 19 15:46:53 2019

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3391.68	2392.26	cps
Aluminum	2.670	g/cc	645.86	1568.99	cps
Spine Angle = 75.73			Density/Spine Ratio = 0.535		
	Size		Reading		
Small Ring	4.00	in	1.39		
Large Ring	14.00	in	1.04		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
Tool Model: M&W
Calibration Performed: Wed Nov 16 11:21:36 2016

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:	89-M&W	
Tool Model:	M&W	
Calibration Performed:	Tue Dec 10 05:11:34 2019	
Calibrator Value:	1000.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	6.2	cps
Sensitivity:	0.5200	GAPI/cps



Company	BRITO OIL COMPANY, INC.
Well	TAYLOR #33-1
Field	WILDCAT
County	SHERMAN
State	KANSAS