



MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company Castle Resources, Inc.			
Well	Pfeifer #2		
Field	Ellis		
County	Ellis		
State	Kansas		
Company Castle Resources, Inc.			
Well	Pfeifer #2		
Field	Ellis		
County	Ellis		
State	Kansas		
Location: API #: 15-051-27012-00-00			
SEC 32 TWP 12S RGE 20W			
CNL CDL DIL			
Permanent Datum	Ground Level	Elevation	2191
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Date		9/19/2021	
Run Number	One		
Depth Driller	3925		
Depth Logger	3928		
Bottom Logged Interval	3927		
Top Log Interval	3100		
Casing Driller	8.625 @ 224		
Casing Logger	226		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	7000		
Density / Viscosity	9.4	55	
pH / Fluid Loss	7.9	11.2	
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.3 @ 85		
Rmt @ Meas. Temp	.23 @ 85		
Rmc @ Meas. Temp	.41 @ 85		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.22 @ 115		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	115		
Equipment Number	P-24		
Location	HAYS		
Recorded By	D Schmidt	C McLaughlin	
Witnessed By	Jerry Green		

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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.

Ellis
1/2 N 1W 3/4N
E into

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: Jerry Green
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73			CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93			CDL-M&W (126-4040)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80						
CILD	8.00			DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00
CILM	4.70						
SP	0.20						
Dataset: castle_pfeifer_2.db: field/well/stack/pass3.4 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_pfeifer_2.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	115	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	155	85		3928

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



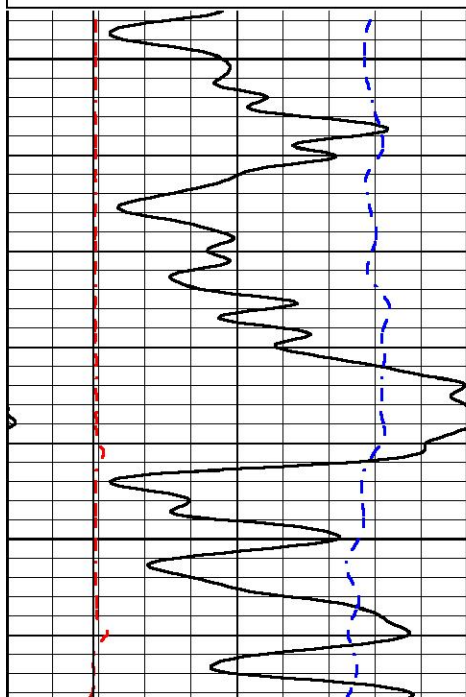
DETAIL SECTION

MAIN PASS

Database File castle_pfeifer_2.db
Dataset Pathname stack/pass3.1
Presentation Format _micro
Dataset Creation Sun Sep 19 13:22:37 2021
Charted by Depth in Feet scaled 1:240

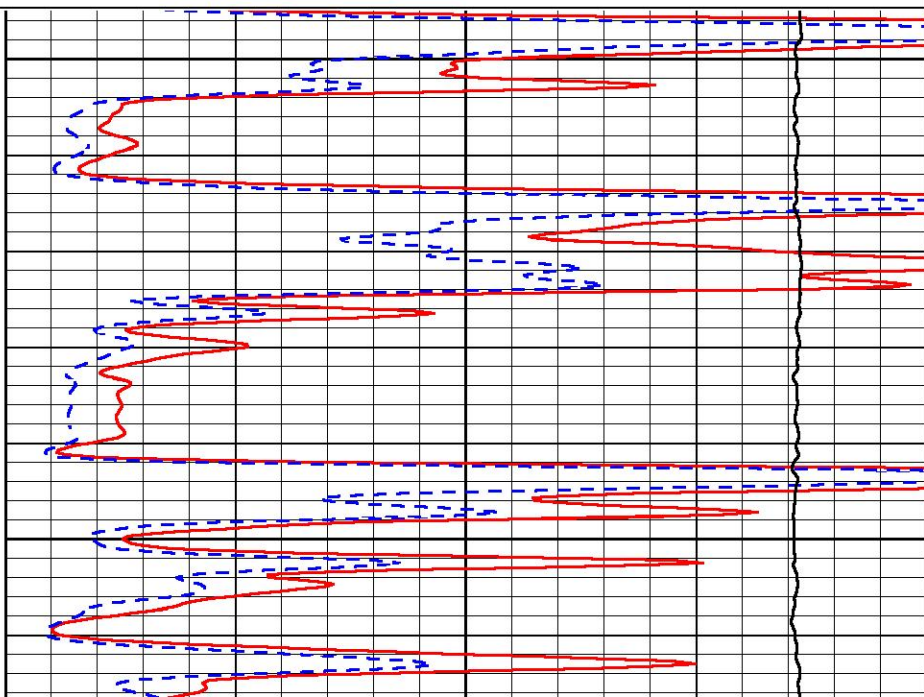
0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

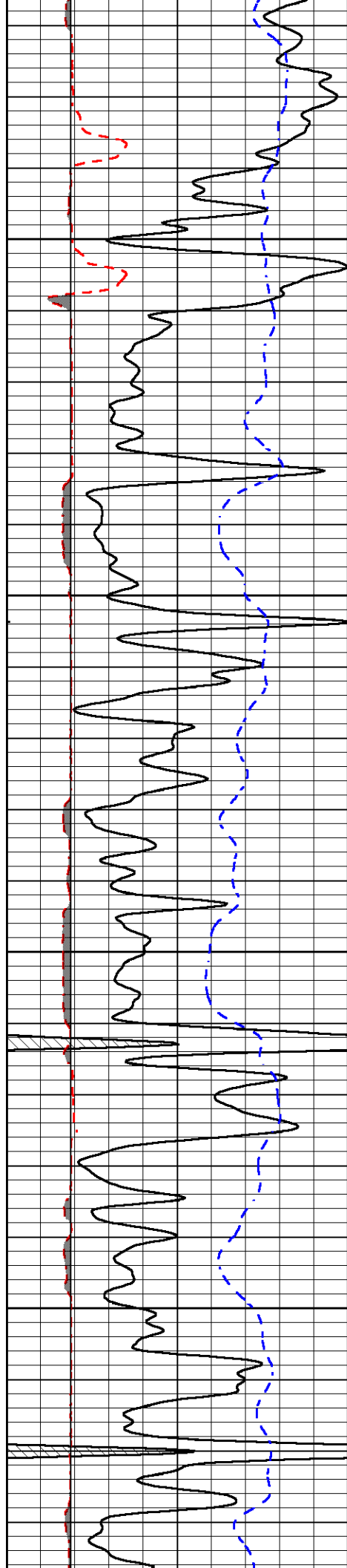
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3100

3150



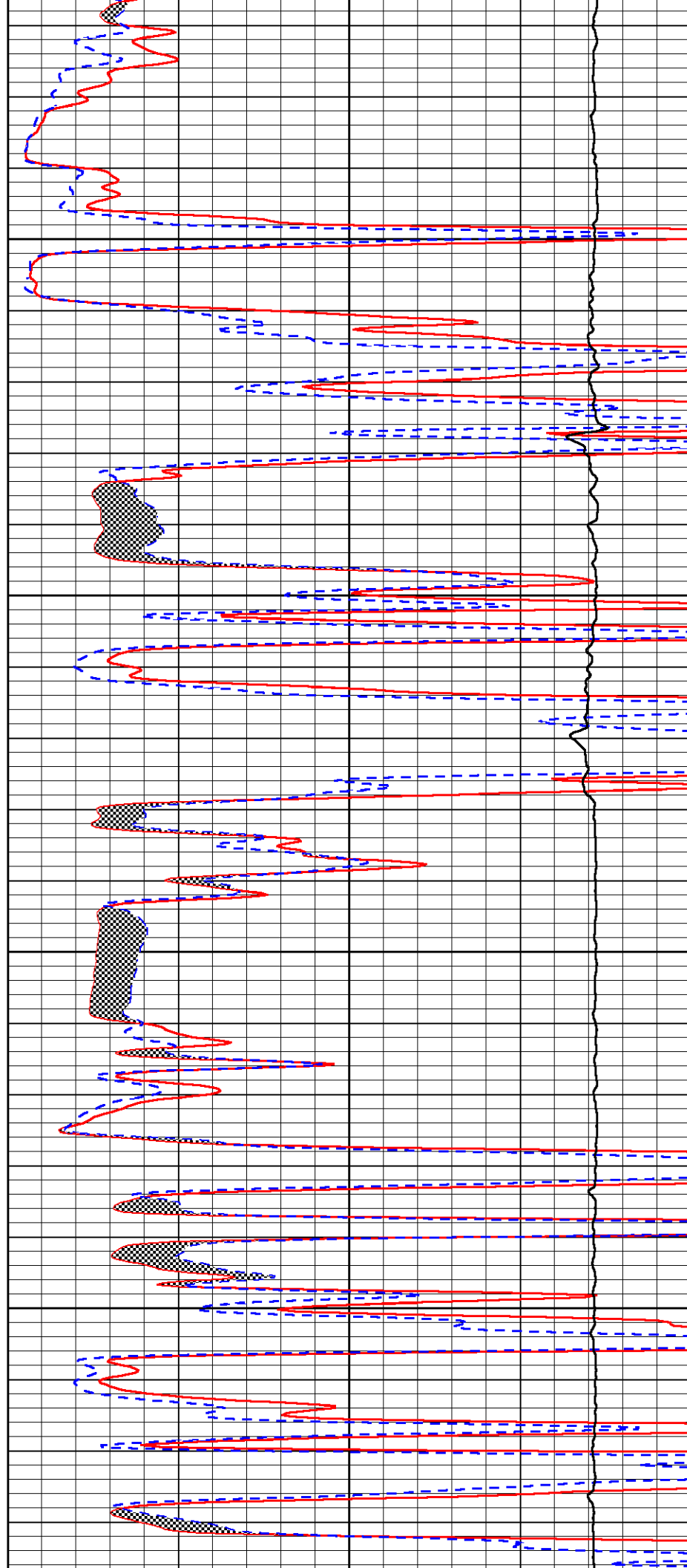


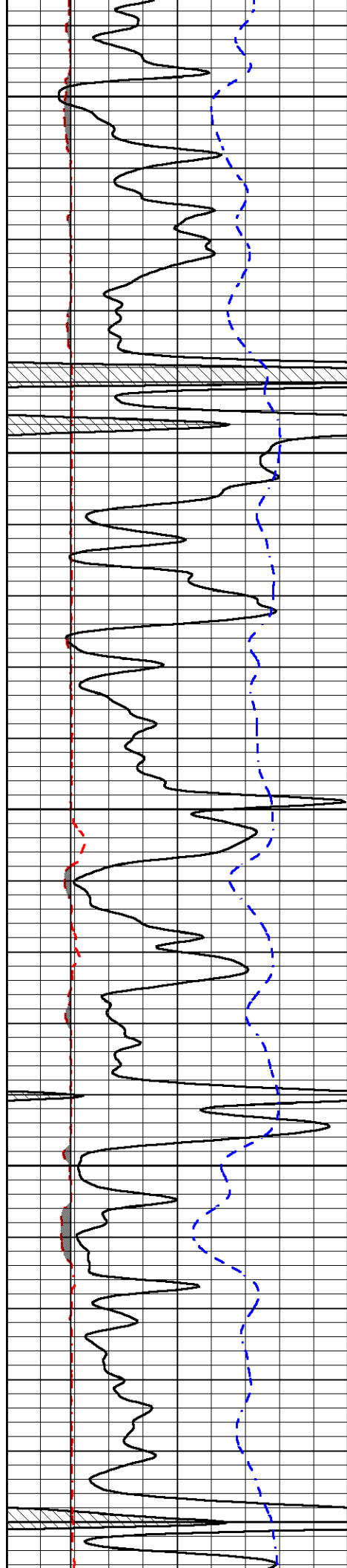
3200

3250

3300

3350





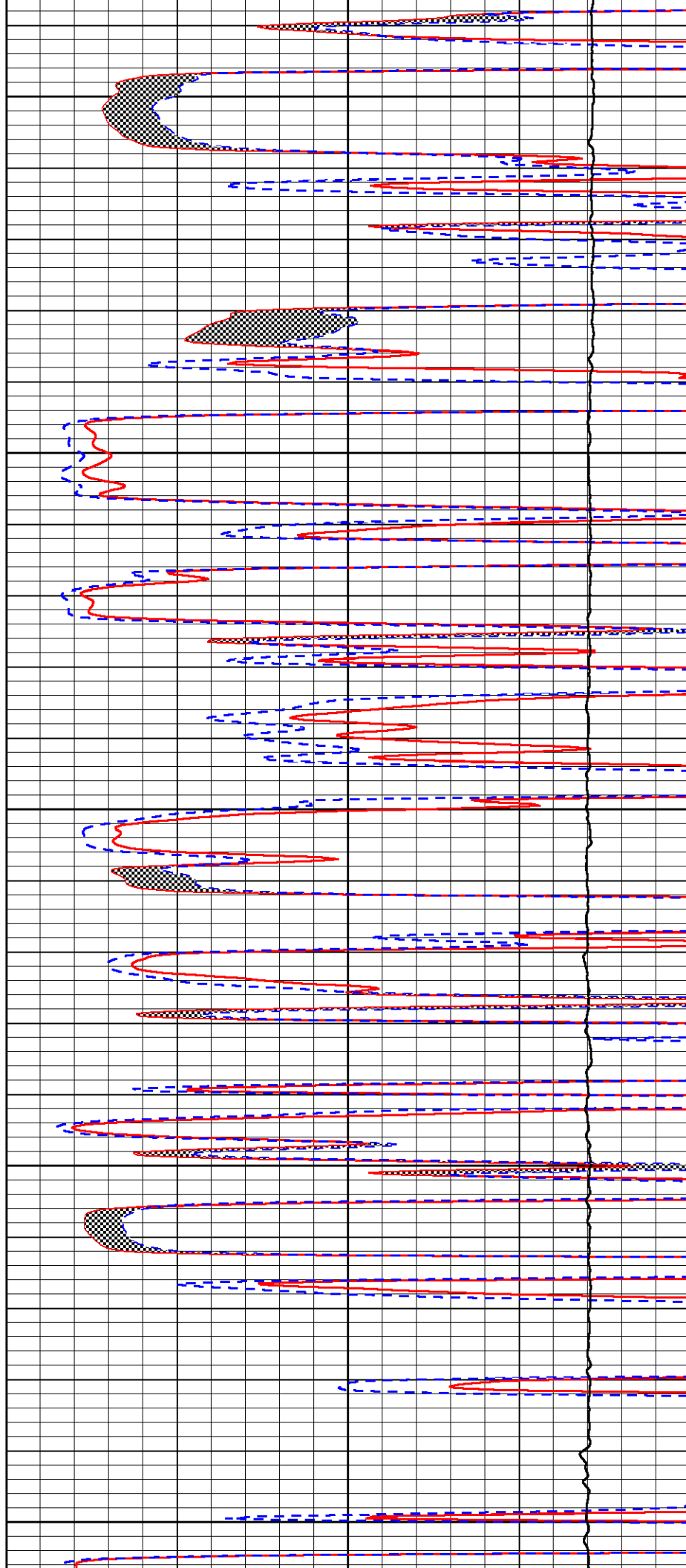
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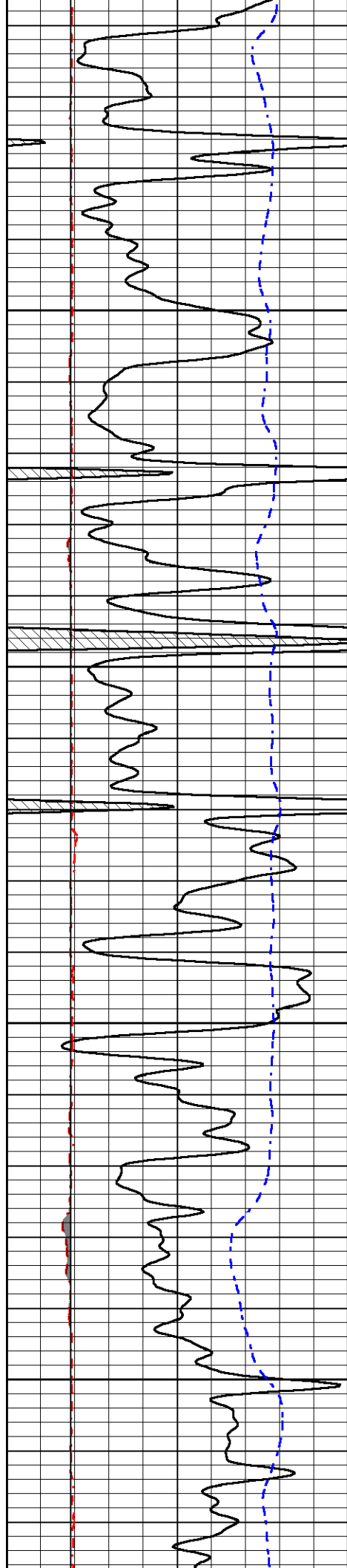
3450

3500

3550

3600



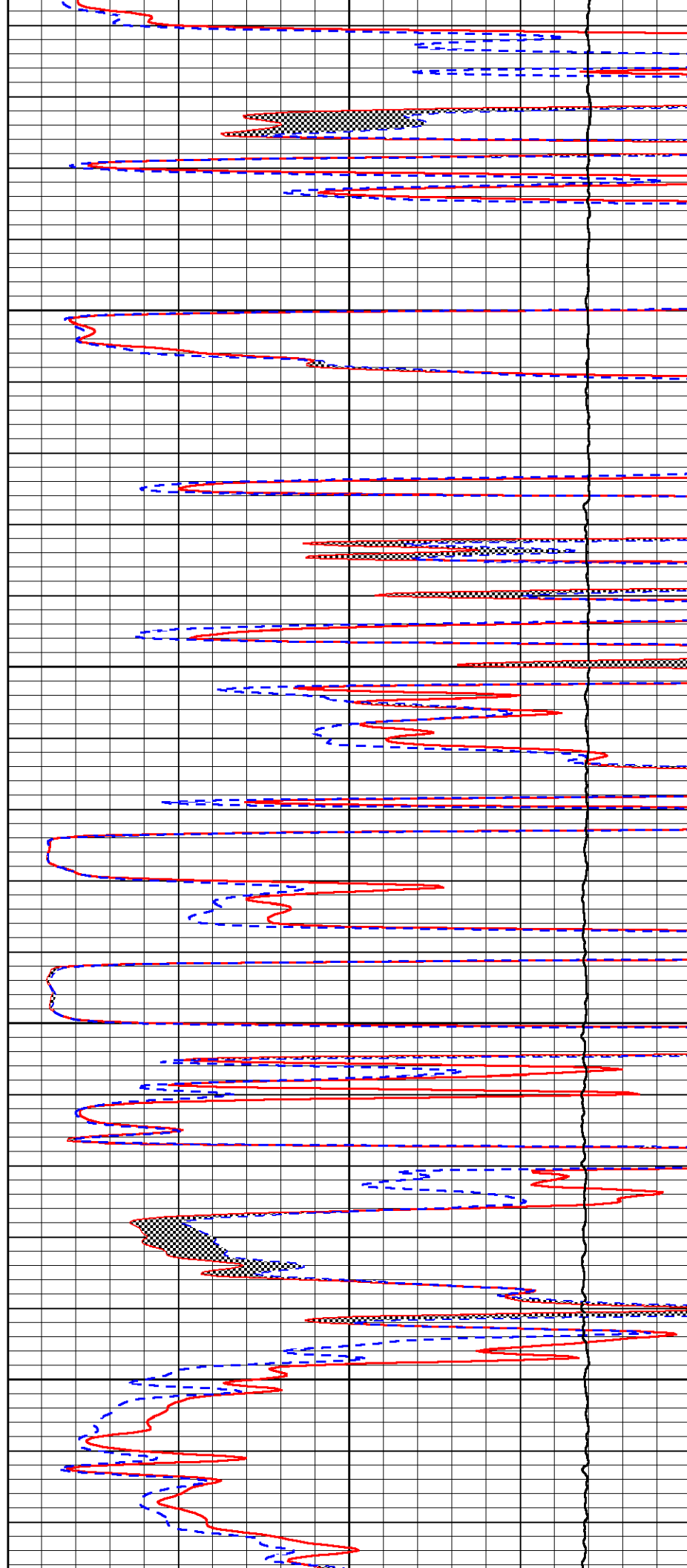


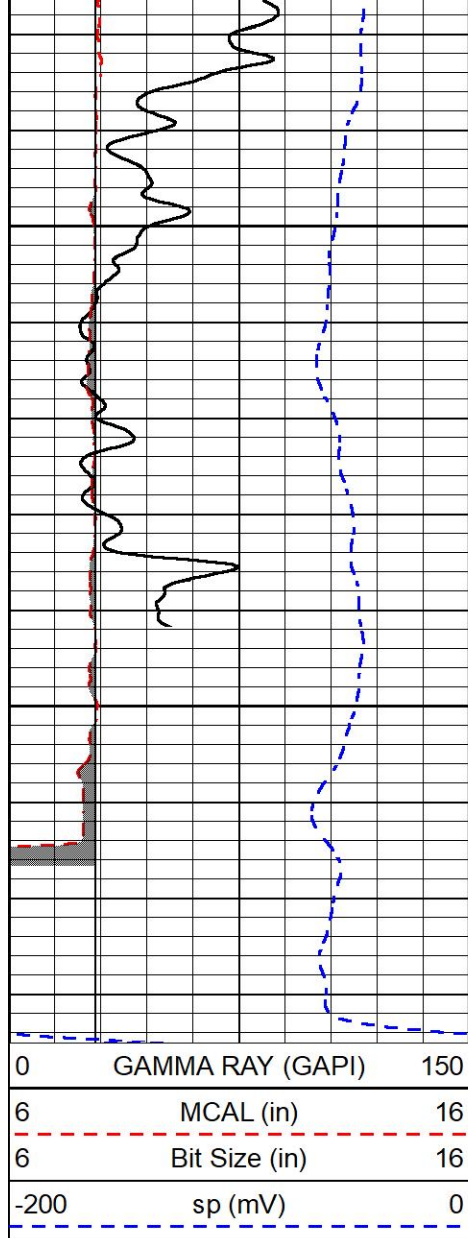
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3700

3750

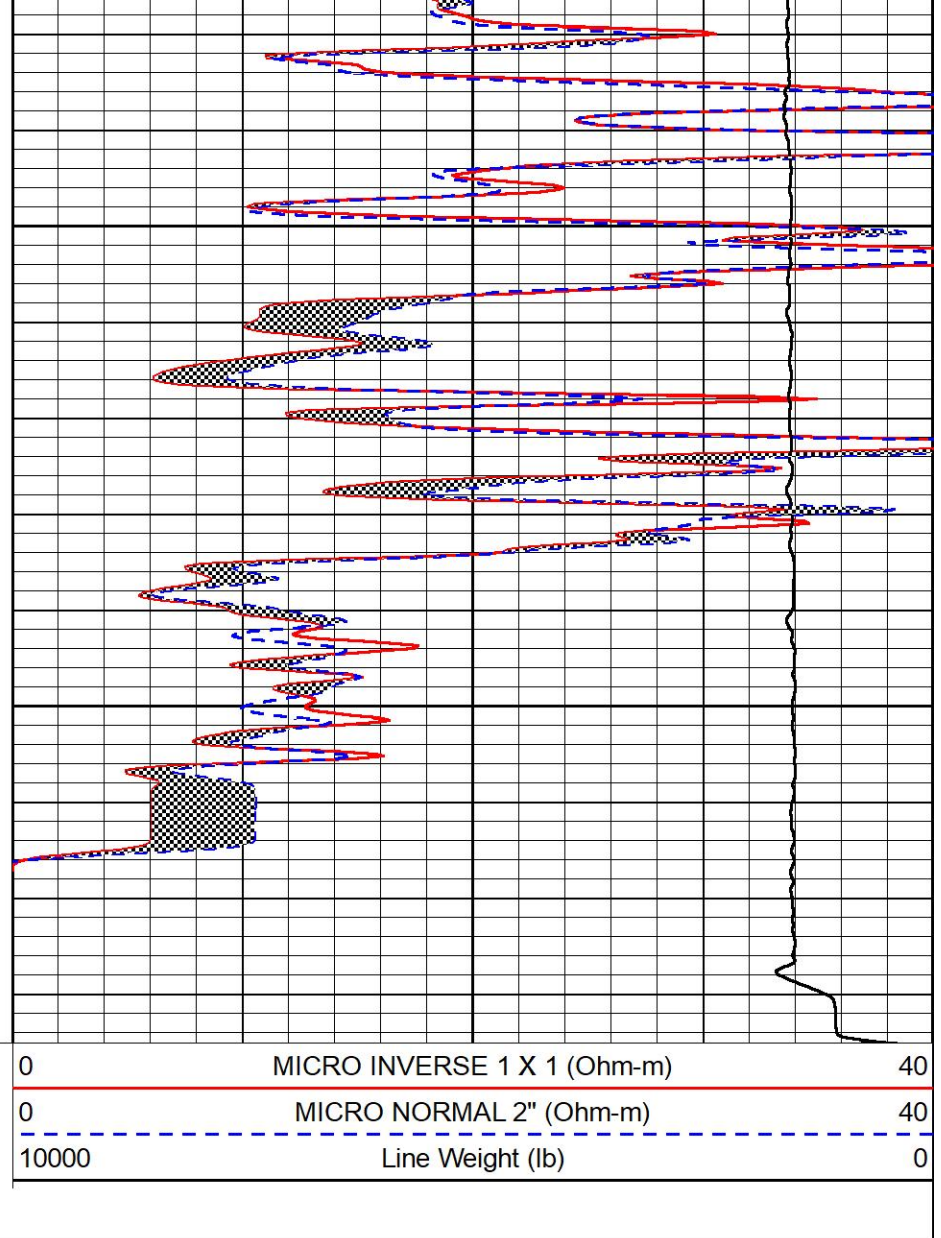
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3850

3900

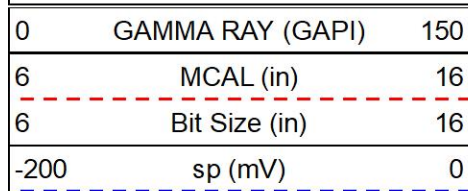


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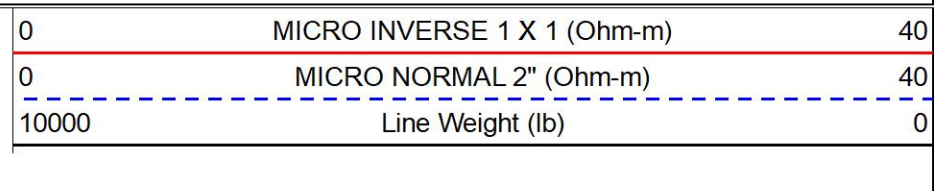
REPEAT SECTION

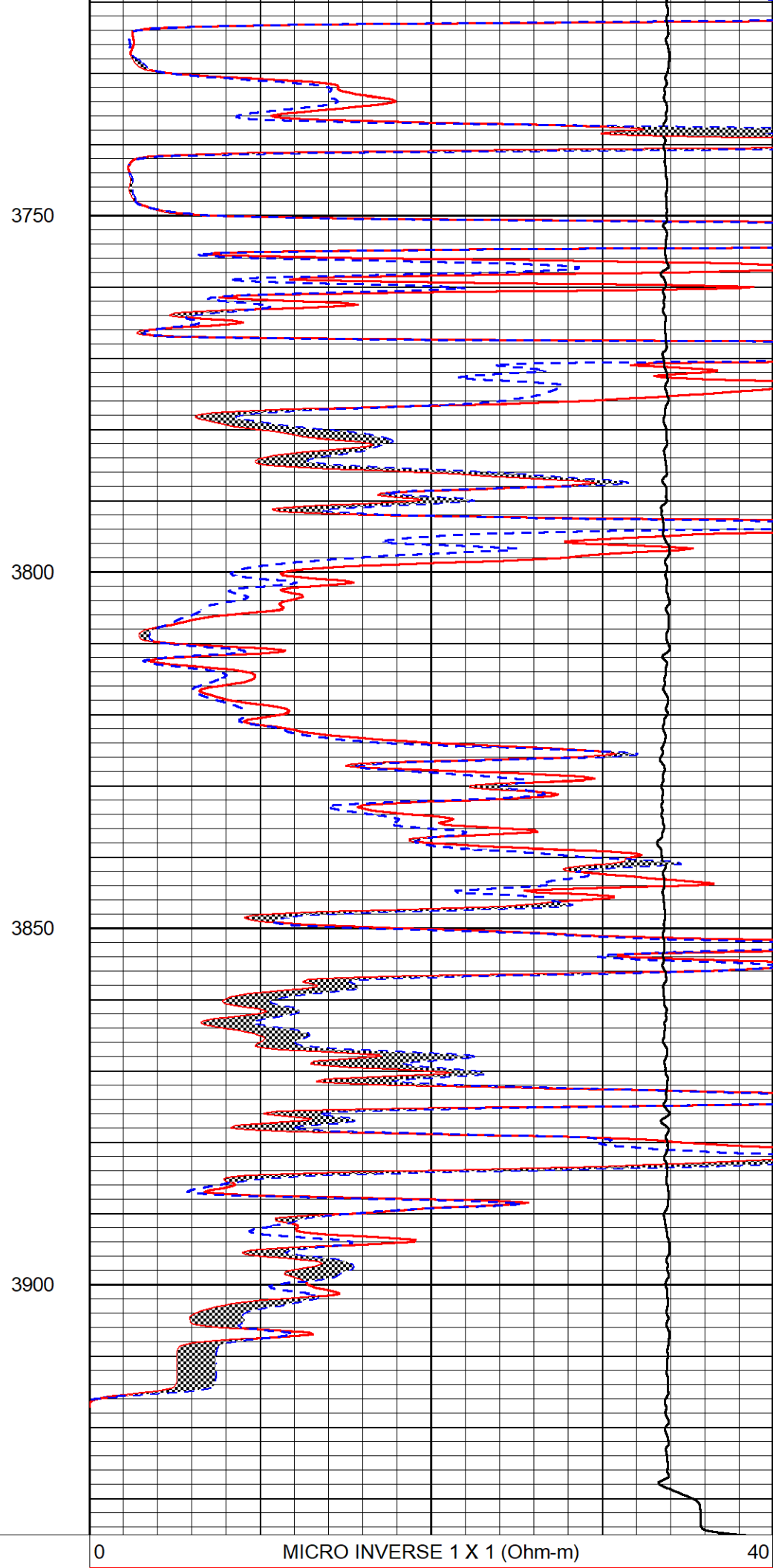
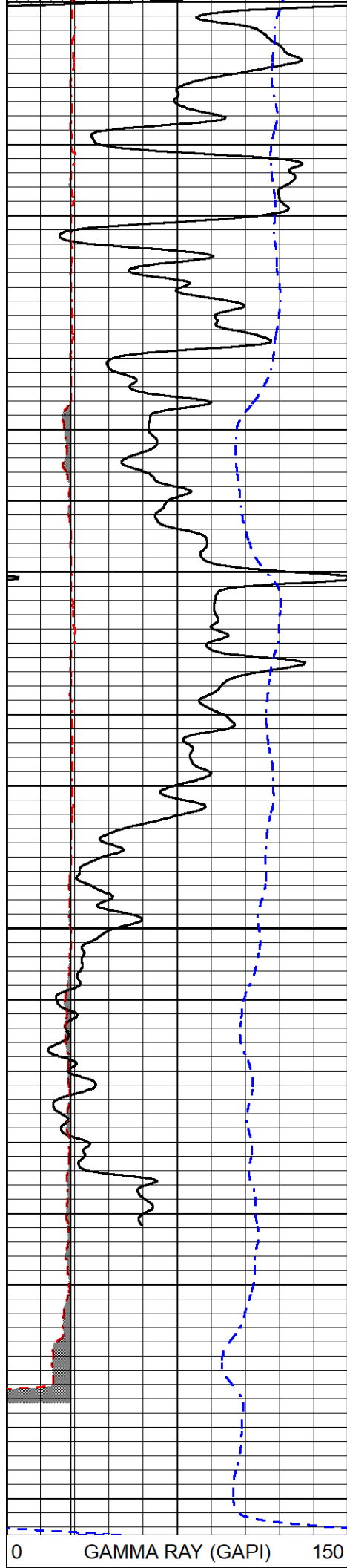
REPEAT PASS

Database File castle_pfeifer_2.db
 Dataset Pathname stack/pass2.1
 Presentation Format _micro
 Dataset Creation Sun Sep 19 12:57:01 2021
 Charted by Depth in Feet scaled 1:240



3700





6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



Company	Castle Resources, Inc.
Well	Pfeifer #2
Field	Ellis
County	Ellis
State	Kansas