



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Talon Group LLC		Company Talon Group LLC	
Well	Hineman R 1-20	Well	Hineman R 1-20
Field	Hineman	Field	Hineman
County	Lane	County	Lane
State	Kansas	State	Kansas
Location: API #: 15-101-22656-00-00		Other Services	
N2 NE SE SE 1170' FSL & 330' FEL SEC 20 TWP 19S RGE 28W		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	2792
Log Measured From	Kelly Bushing	K.B.	2802
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	2792
Date	9/10/2021		
Run Number	Two		
Depth Driller	4651		
Depth Logger	4653		
Bottom Logged Interval	4652		
Top Log Interval	3700		
Casing Driller	8.625 @ 271		
Casing Logger	269		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3300		
Density / Viscosity	9.2 60		
pH / Fluid Loss	10.5 8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.8 @ 74		
Rmf @ Meas. Temp	0.6 @ 74		
Rmc @ Meas. Temp	1.08 @ 74		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.48 @ 123		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	123 Deg F		
Equipment Number	P-24		
Location	HAYS		
Recorded By	T. Martin		
Witnessed By	Vern Schrag		

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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.

Dighton, KS, S to Rd 90,
2 E, 7/8 S, W into

Log Measured From: Kelly Bushing 10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: T. Martin		Primary Witness: Vern Schrag	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	1.00 1.00 1.00		ML-Armadillo (ARM001) Pengo Mandrel & Armadillo ML Electronics (2014)	5.50	3.50	100.00
Dataset: talon_hineman r #1-20.db: field/well/MEL/pass3 Total length: 5.50 ft Total weight: 100.00 lb O.D.: 3.50 in						

Log Variables

DatabaseC:\ProgramData\Warrior\Data\talon_hineman r #1-20.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	123	4.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	210	70		4653

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



MIDWEST WIRELINE

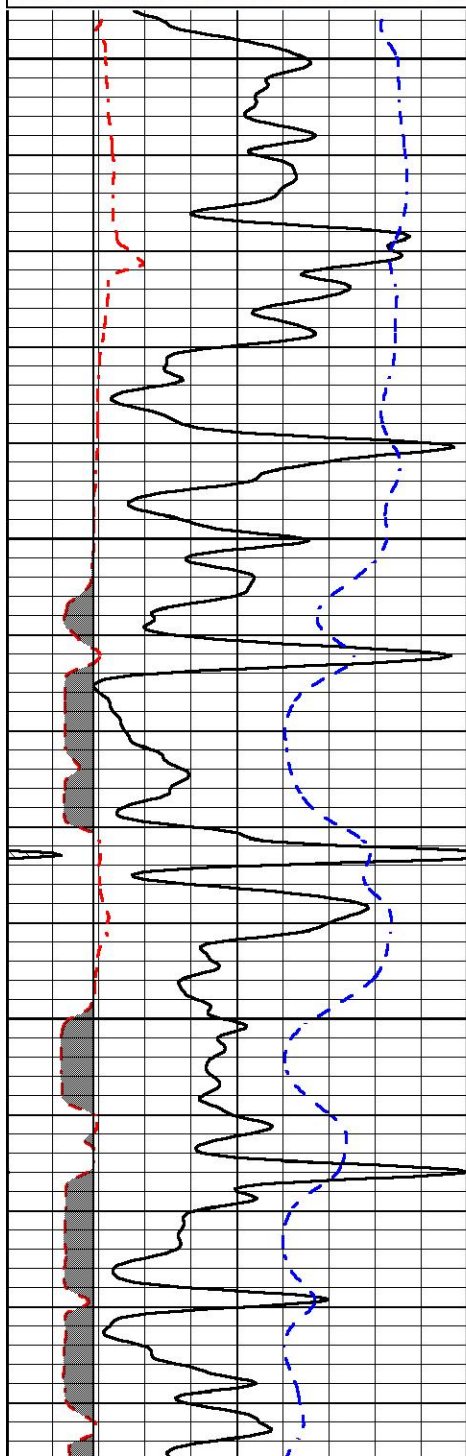
DETAIL SECTION

MAIN PASS

Database File talon_hineman r #1-20.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Fri Sep 10 07:33:18 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

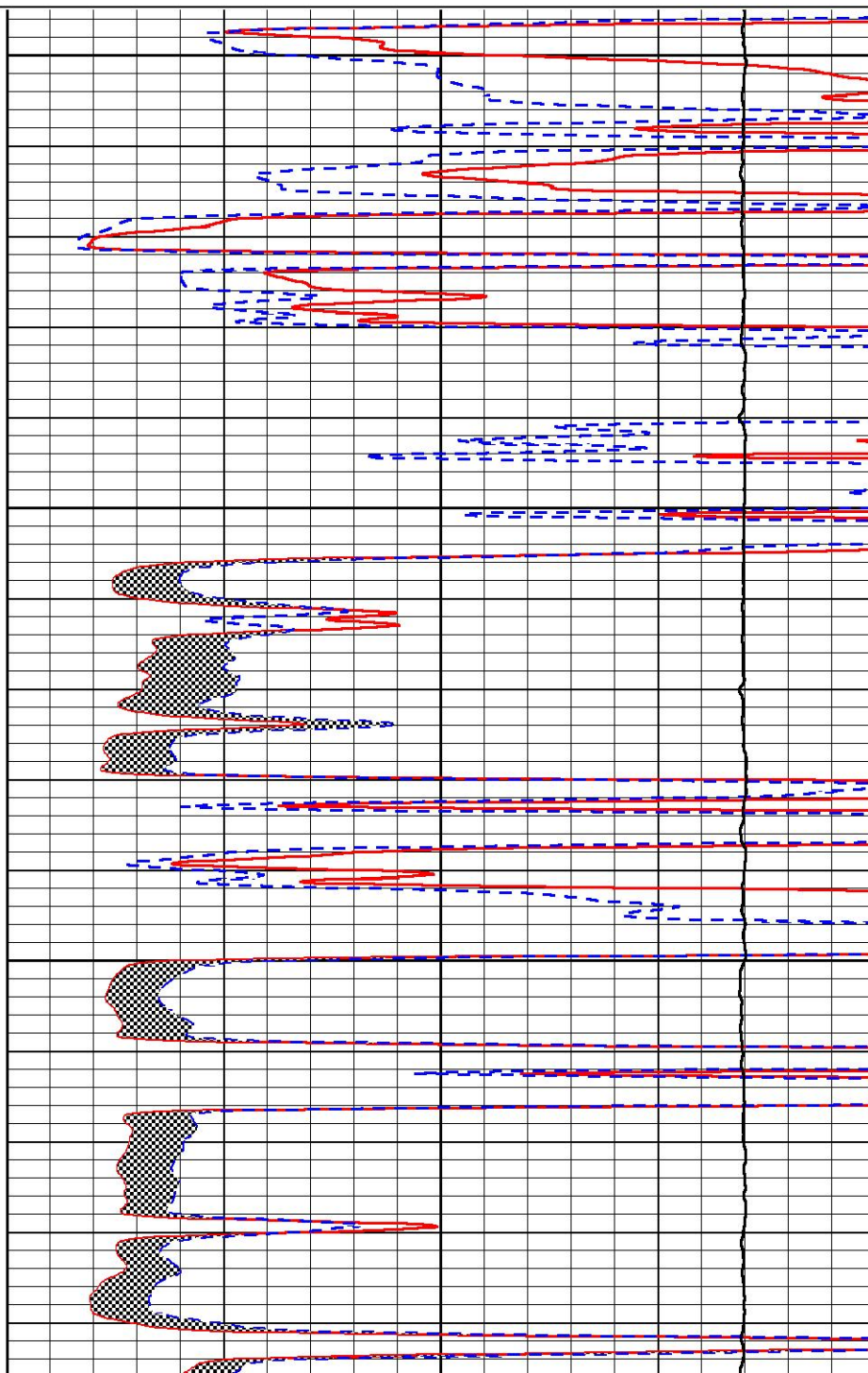
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0

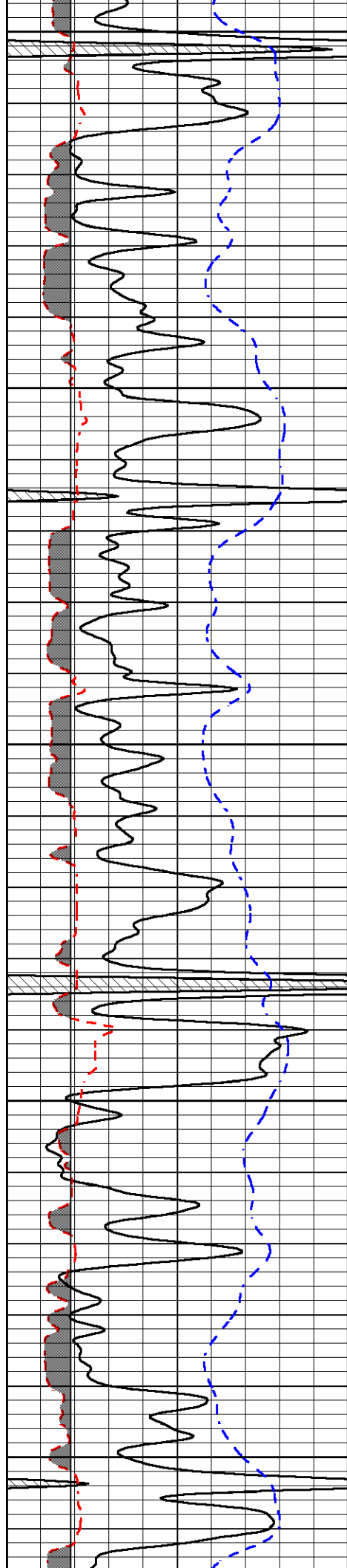


3700

3750

3800





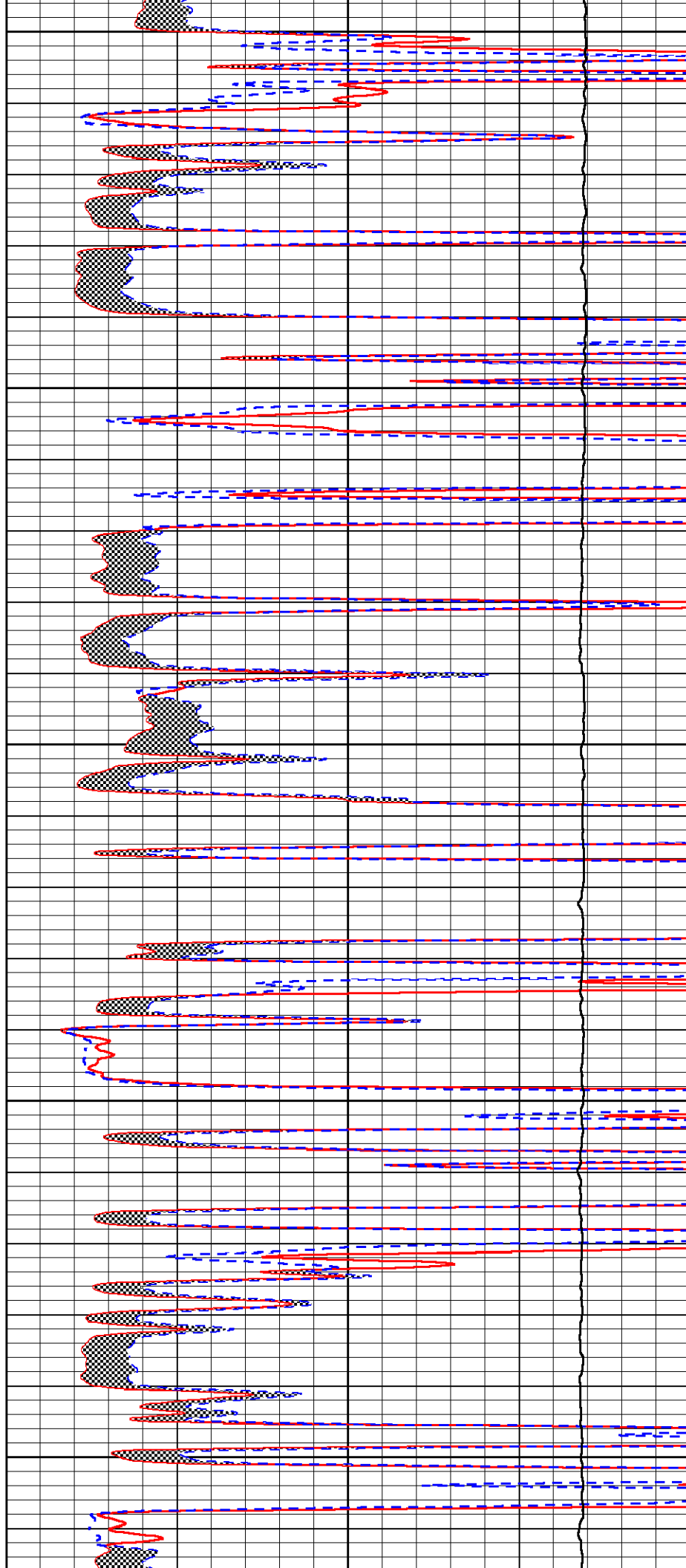
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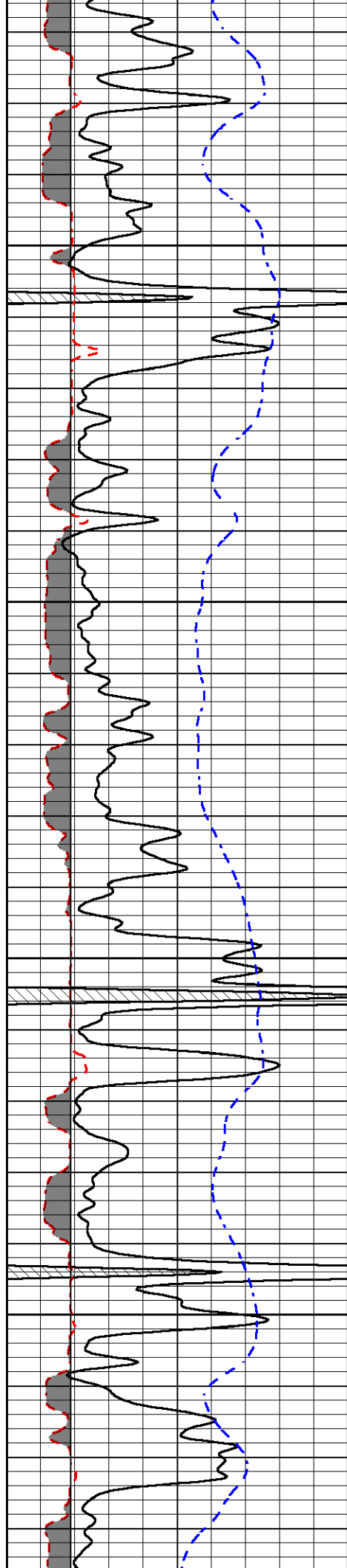
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3950

4000

4050



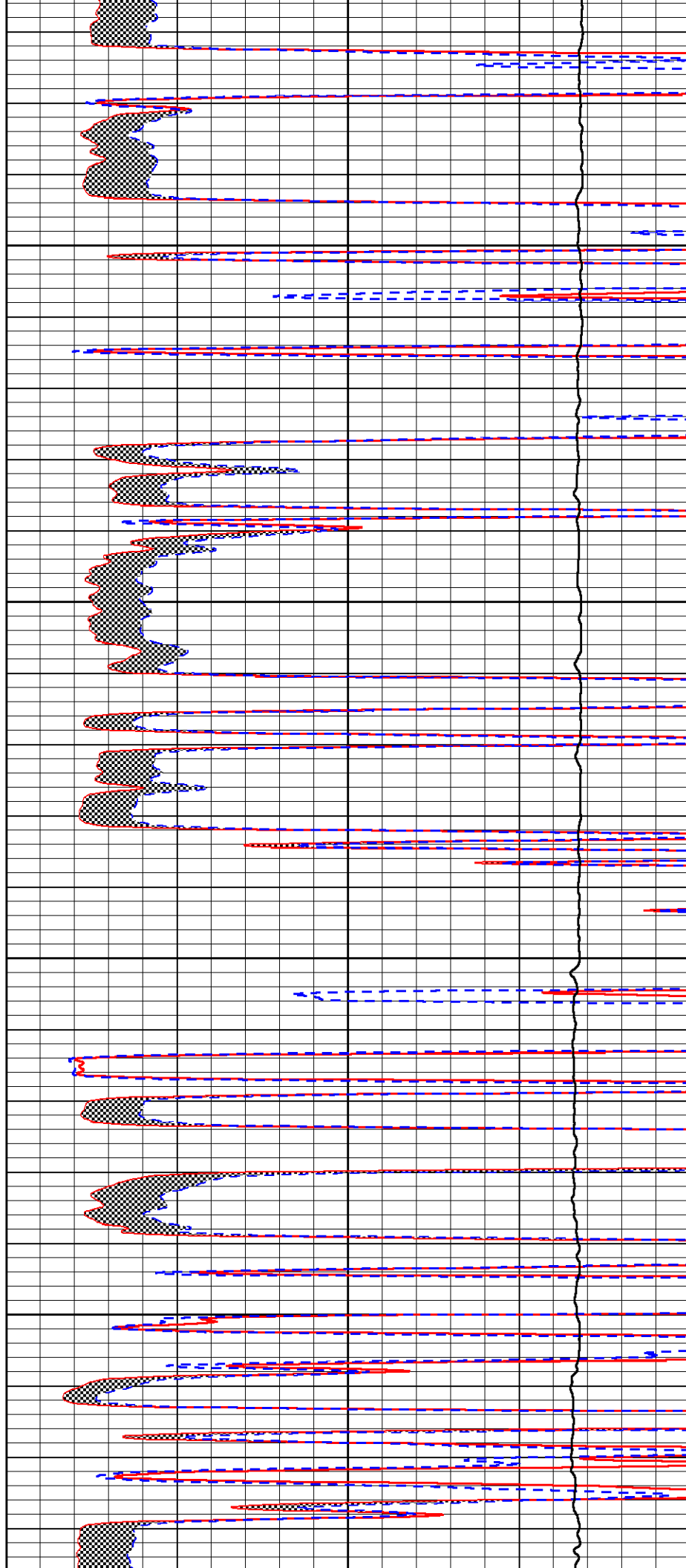


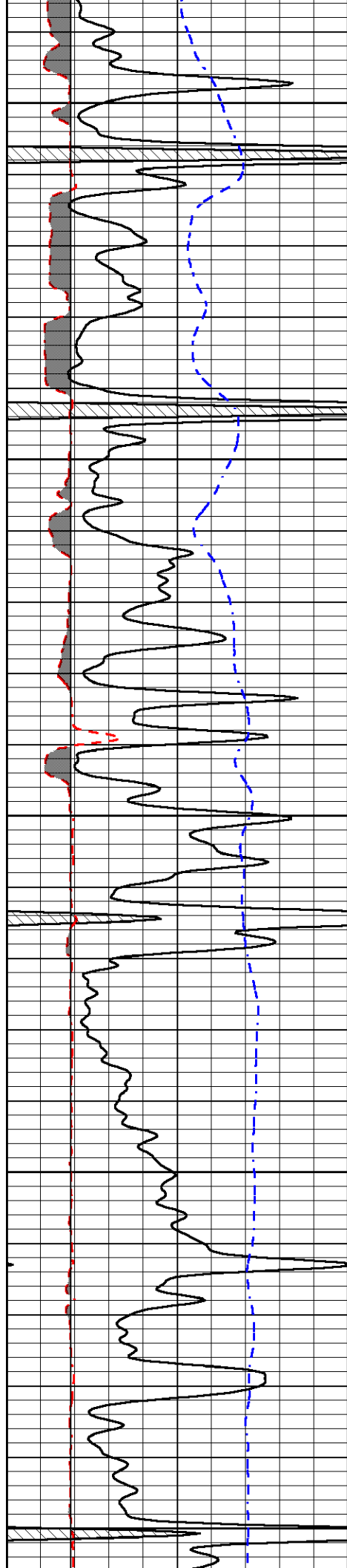
4100

4150

4200

4250





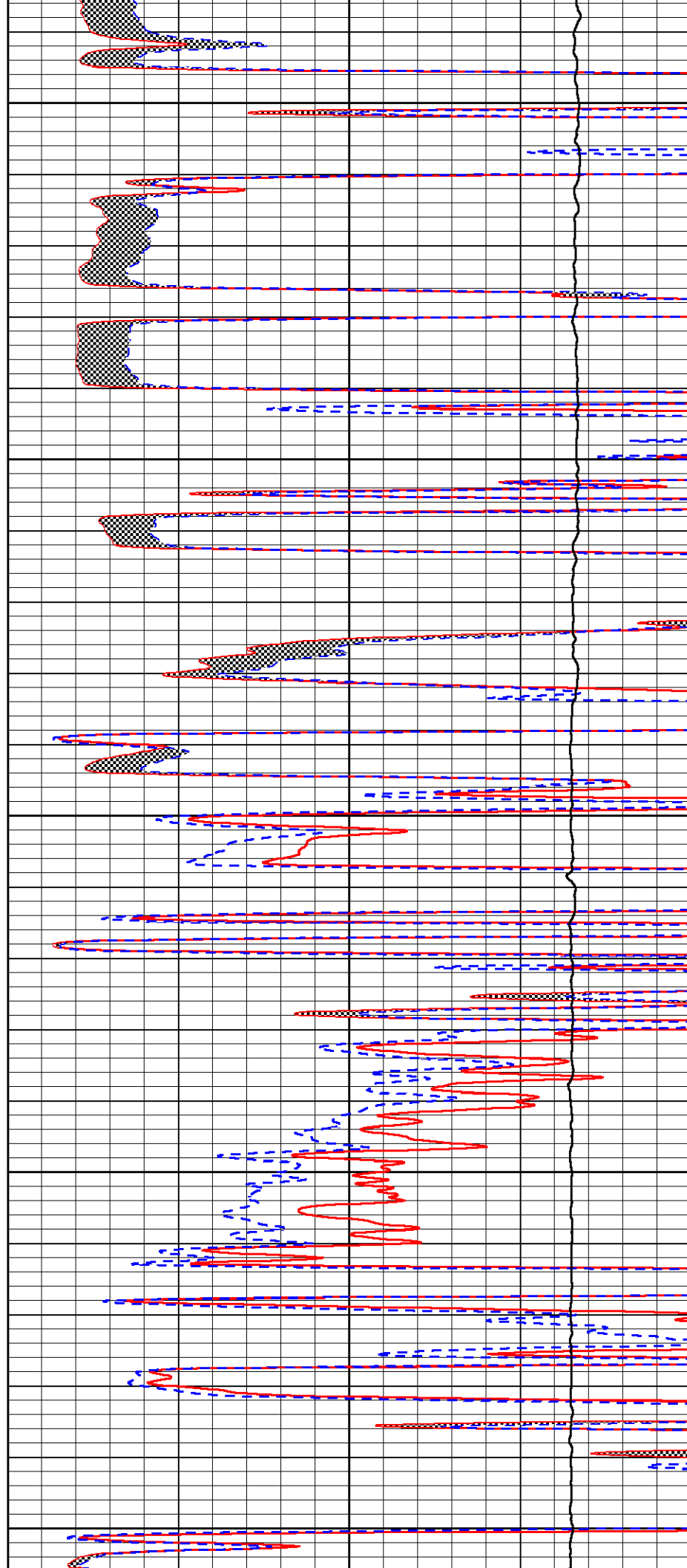
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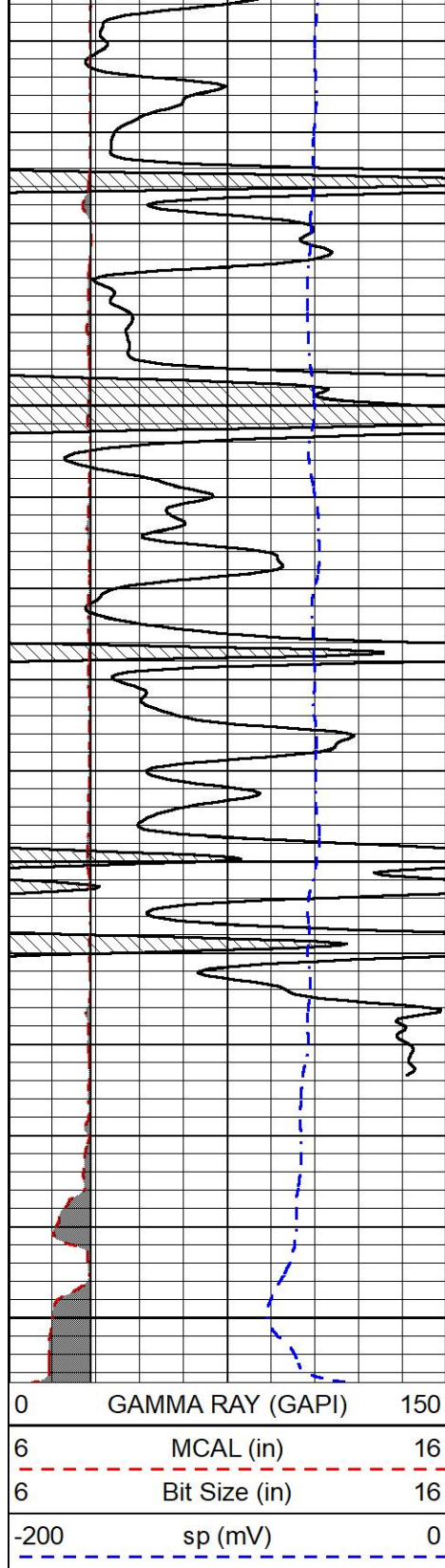
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4400

4450

4500

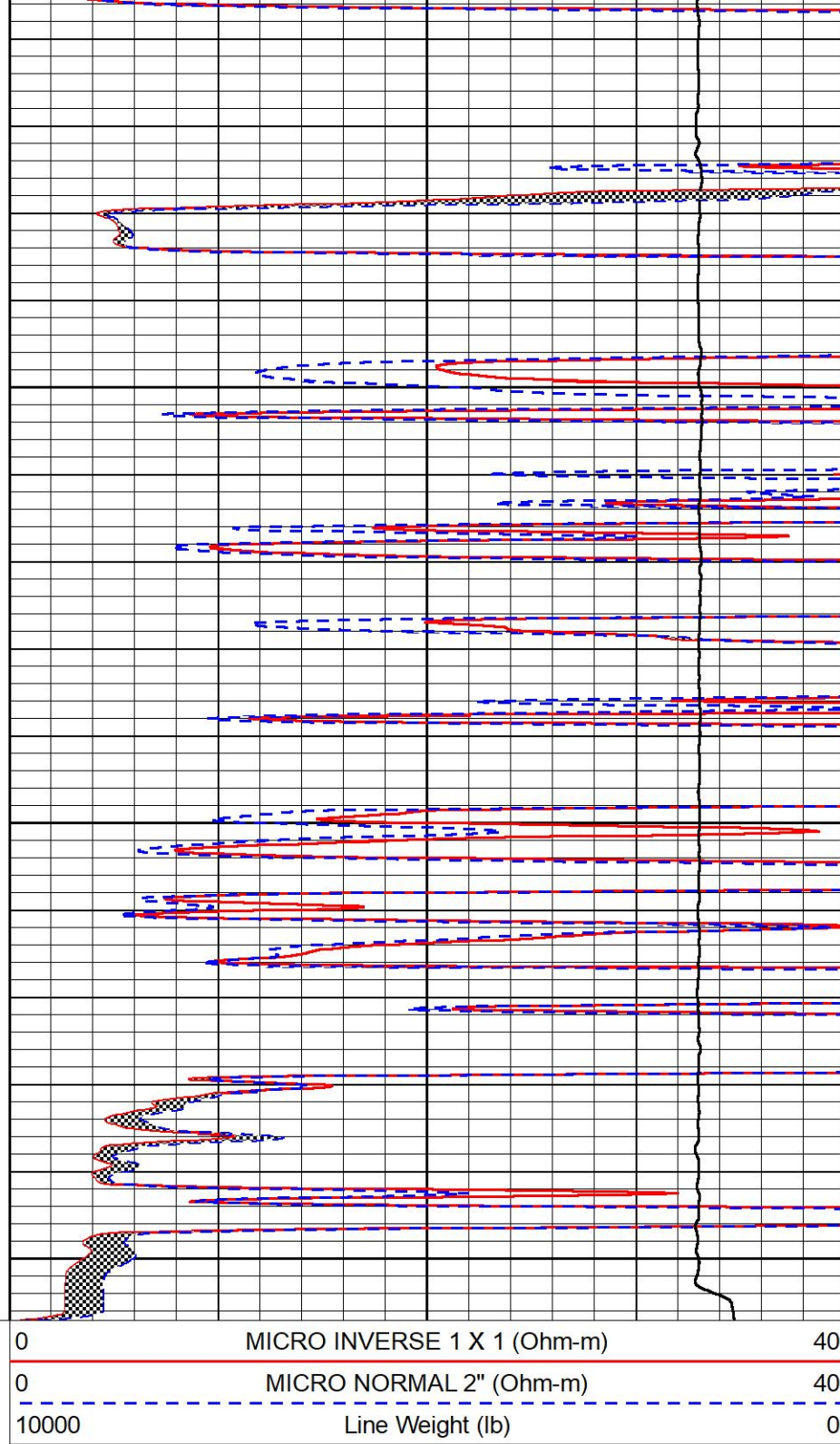




4550

4600

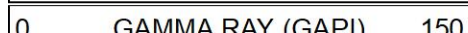
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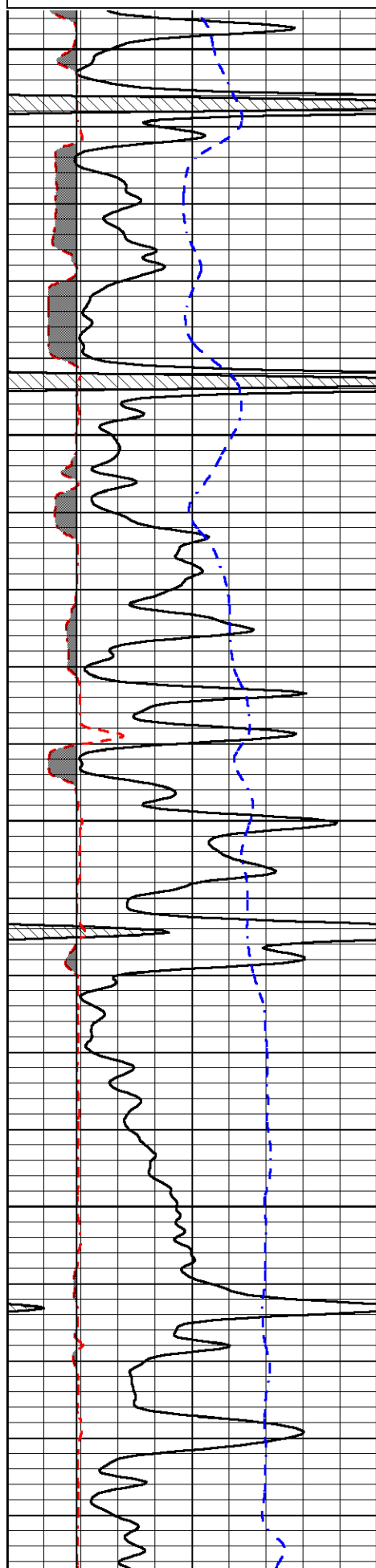
REPEAT SECTION

REPEAT PASS

Database File talon_hineman r #1-20.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _micro
 Dataset Creation Fri Sep 10 06:51:56 2021
 Charted by Depth in Feet scaled 1:240



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



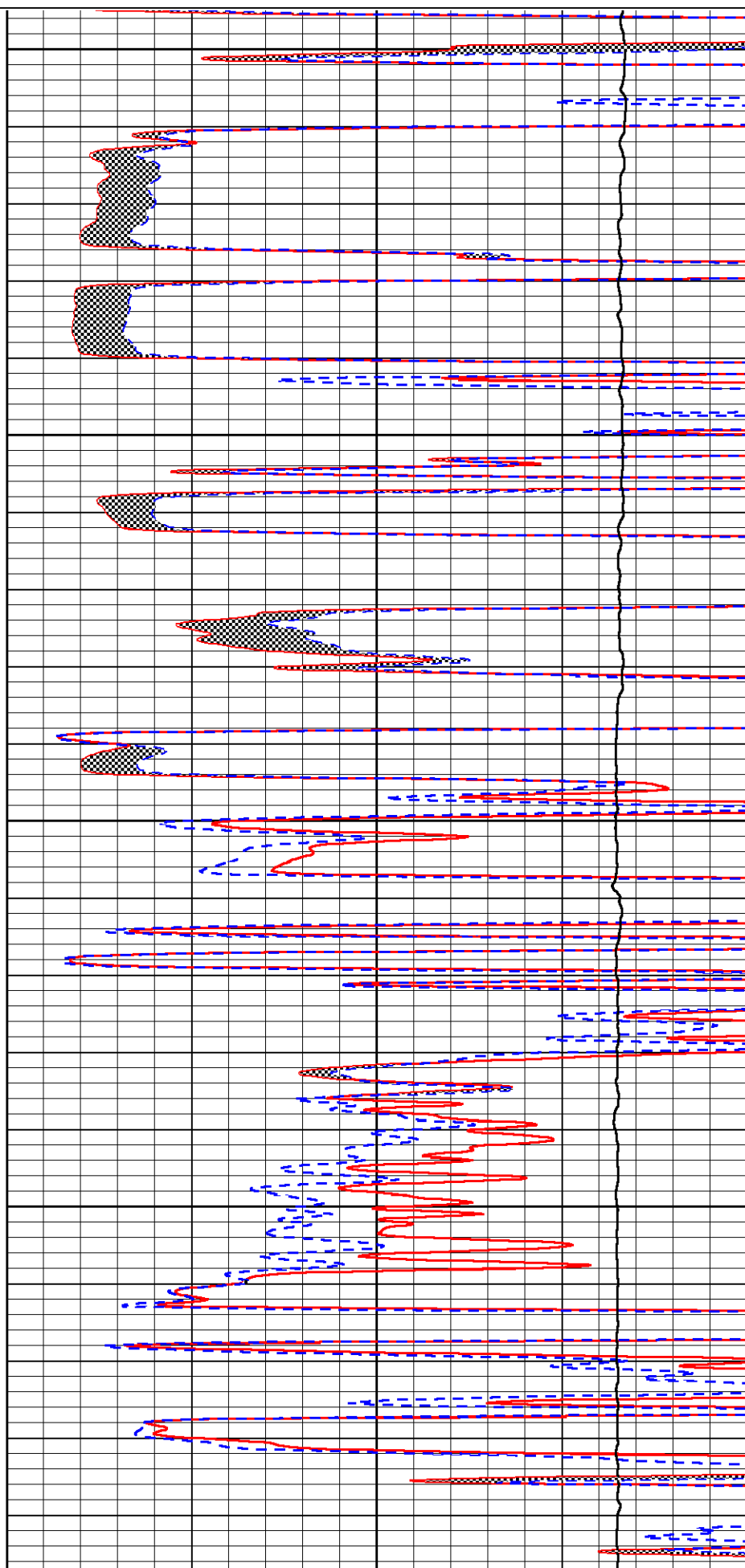
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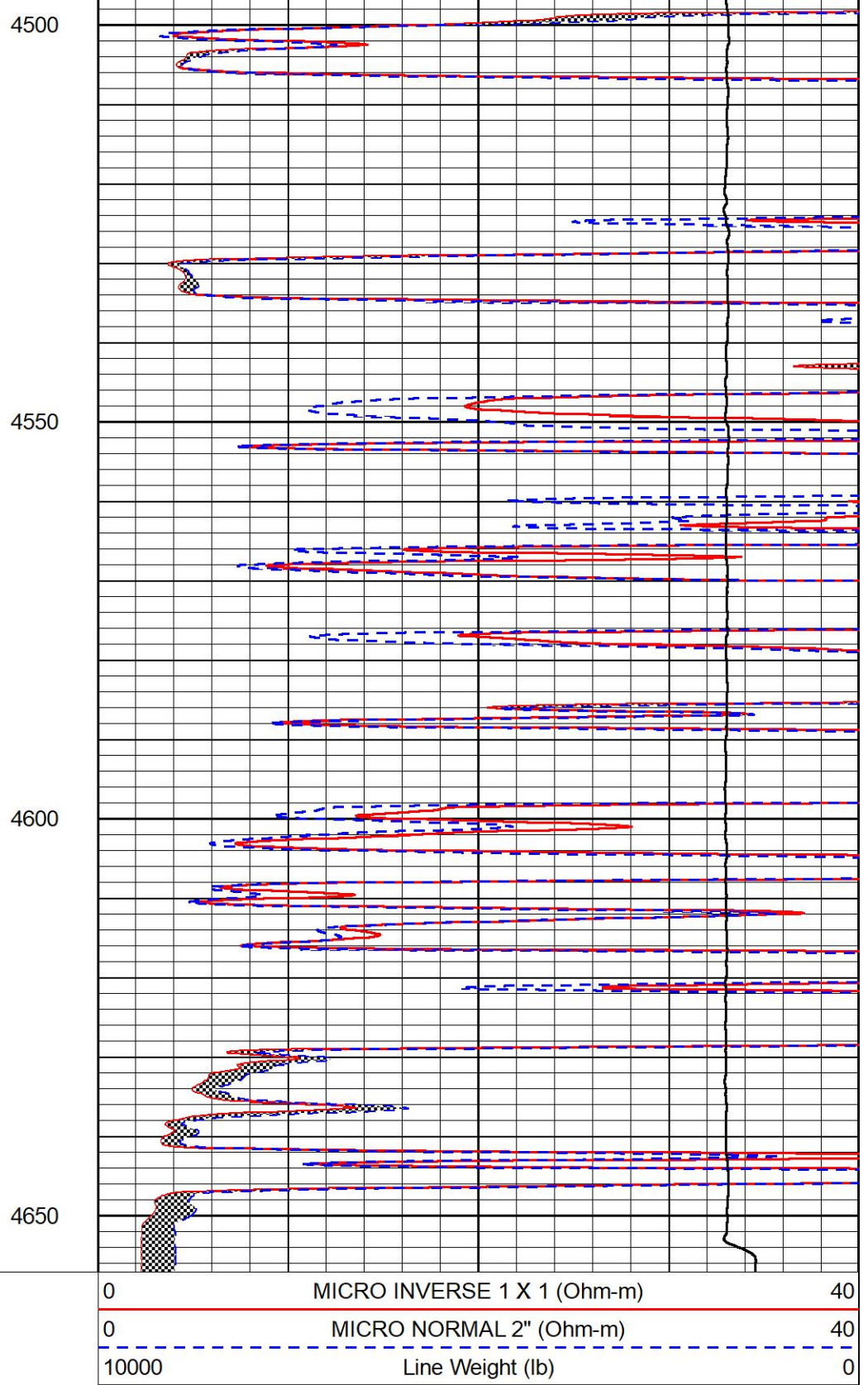
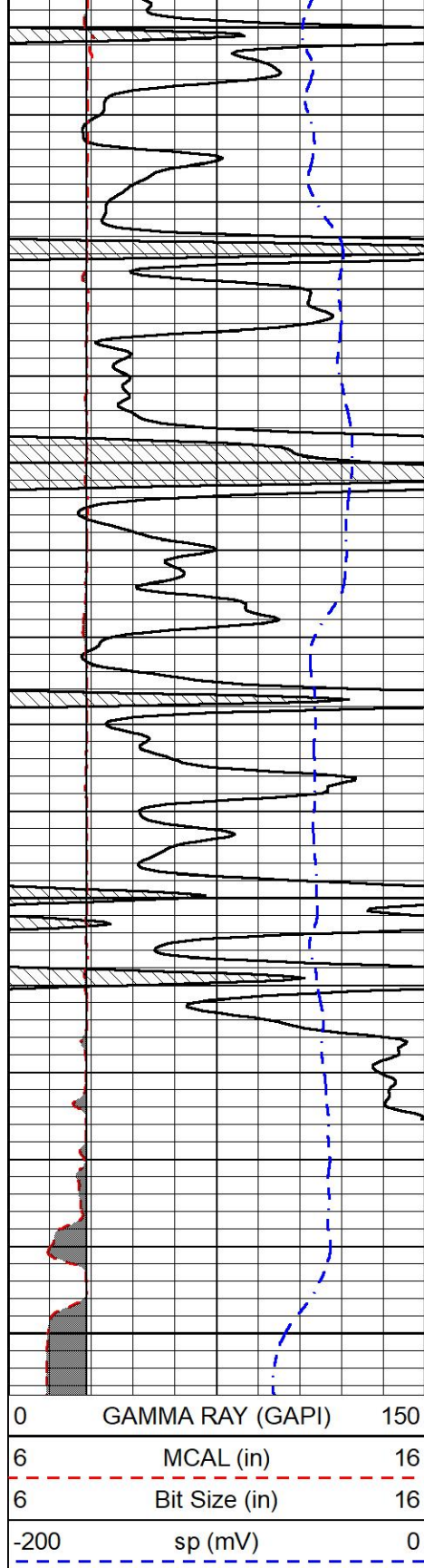
4350

4400

4450

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





Company	Talon Group LLC
Well	Hineman R 1-20
Field	Hineman
County	Lane
State	Kansas