



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company American Warrior, Inc.	
Well	Sinclair #1-16
Field	Lippoldt East
County	Hodgeman
State	Kansas
Company American Warrior, Inc.	
Well	Sinclair #1-16
Field	Lippoldt East
County	Hodgeman
State	Kansas
Location:	API #: 15-083-22013-00-00
Permanent Datum	NW SW SE NW
Log Measured From	221 FNL & 1401 FWL
Drilling Measured From	SEC 16 TWP 23S RGE 22W
Elevation	2257
Other Services	CNL/CDL DIL/BHCS
K.B.	2270
D.F.	
G.L.	2257
Date	7/24/2022
Run Number	Two
Depth Driller	4528
Depth Logger	4536
Bottom Logged Interval	4535
Top Log Interval	3700
Casing Driller	8.625 @ 313
Casing Logger	316
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	11800
Density / Viscosity	9.3 52
pH / Fluid Loss	9.0 11.6
Source of Sample	Flowline
Rm @ Meas. Temp	0.7 @ 72
Rmt @ Meas. Temp	0.53 @ 72
Rmc @ Meas. Temp	0.95 @ 72
Source of Rmt / Rmc	Charts
Rm @ BHT	0.42 @ 121
Operating Rig Time	4 Hours
Max Rec. Temp. F	121
Equipment Number	P-24
Location	Hays
Recorded By	T. Martin
Witnessed By	Kevin Timson

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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.

Hanston, S on Rd 228 to L Rd,
1 W to 227, 1.2 S, W into at red gate

Log Measured From: Kelly Bushing

13 Ft. Above Permanent Datum

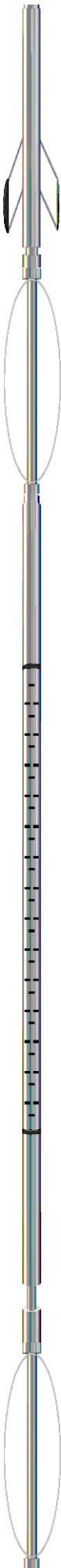
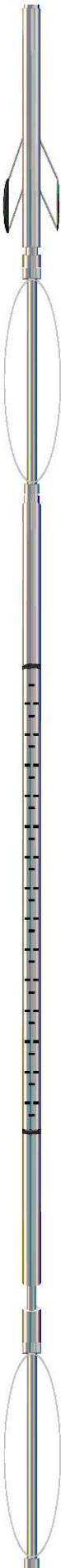
THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Kevin Timson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	25.50			ML-GO (0002G)	5.00	3.50	100.00
	25.50						
	25.50			CENT-PENGO (4-PENGO)	4.25	3.00	70.00
WVF4 WVF1	12.25 12.25			SLT-PENGO (603) 3 1/2 BHC Sonic	16.00	3.50	300.00
WVF3 WVF2	10.25 10.25						
				CENT-PENGO (3-PENGO)	4.25	3.00	70.00
Dataset: amwar_sinclair #1-16.db: field/well/SonMel/pass3 Total length: 29.50 ft Total weight: 540.00 lb O.D.: 3.50 in							



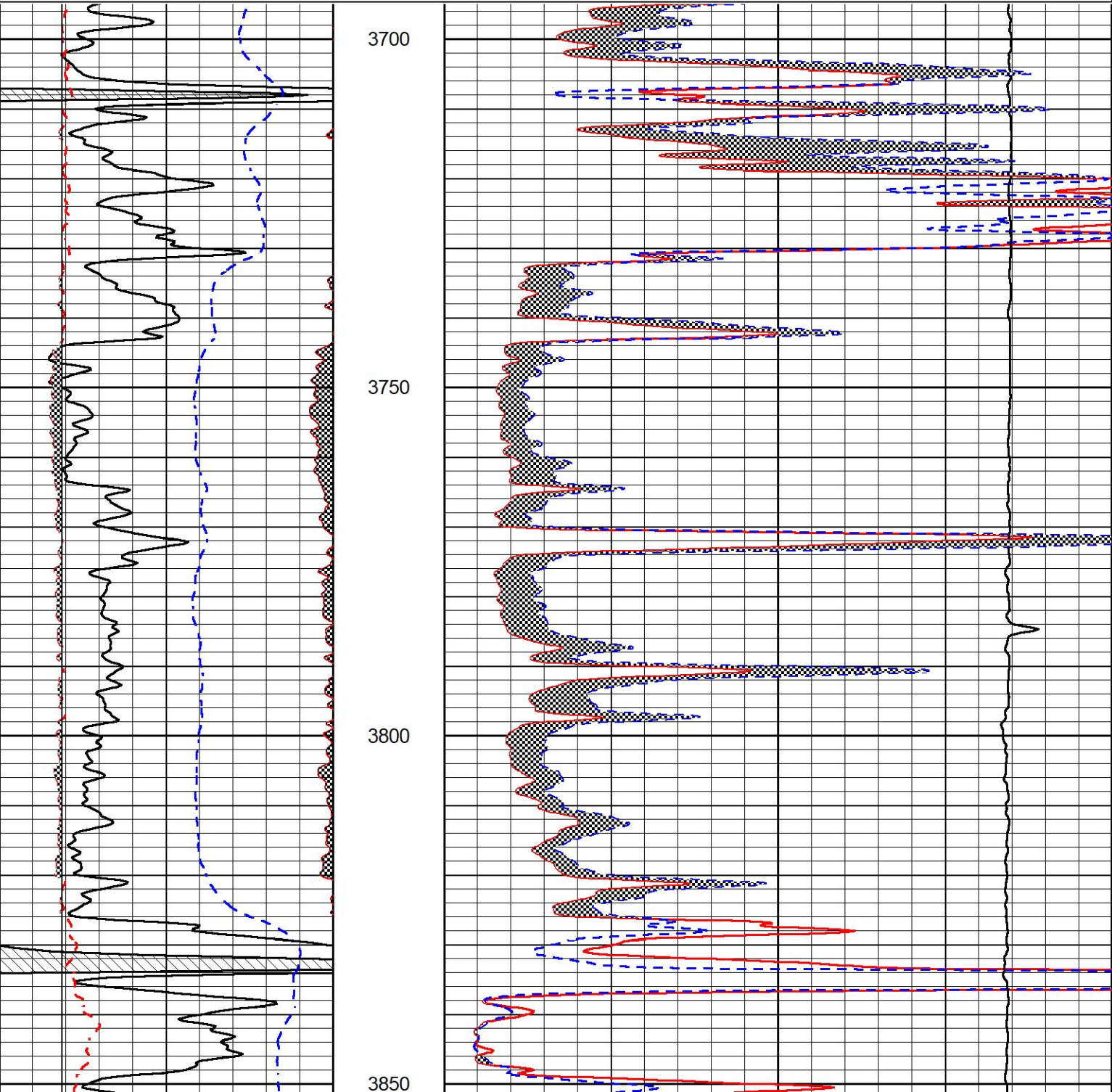
DETAIL SECTION

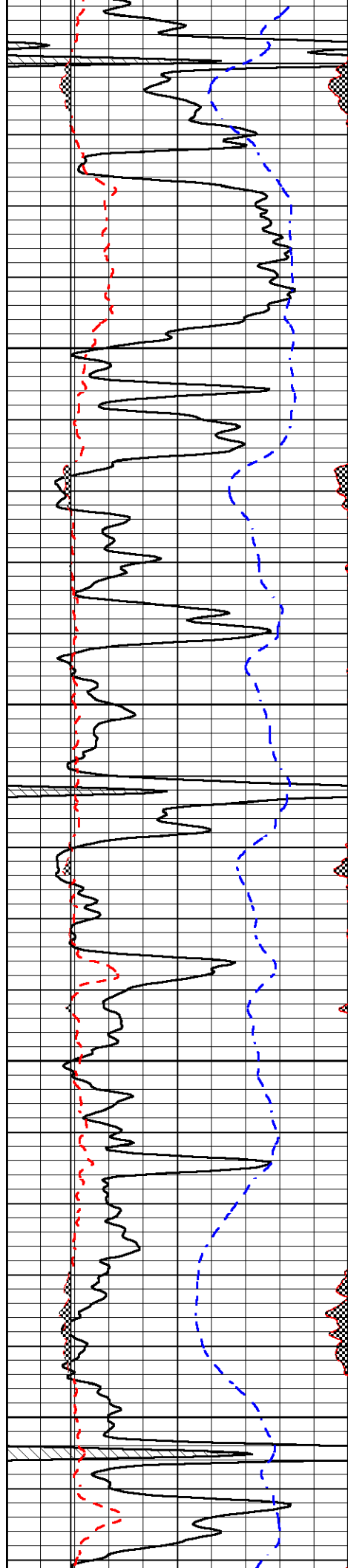
MAIN PASS

Database File amwar_sinclair #1-16.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Sun Jul 24 10:18:46 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



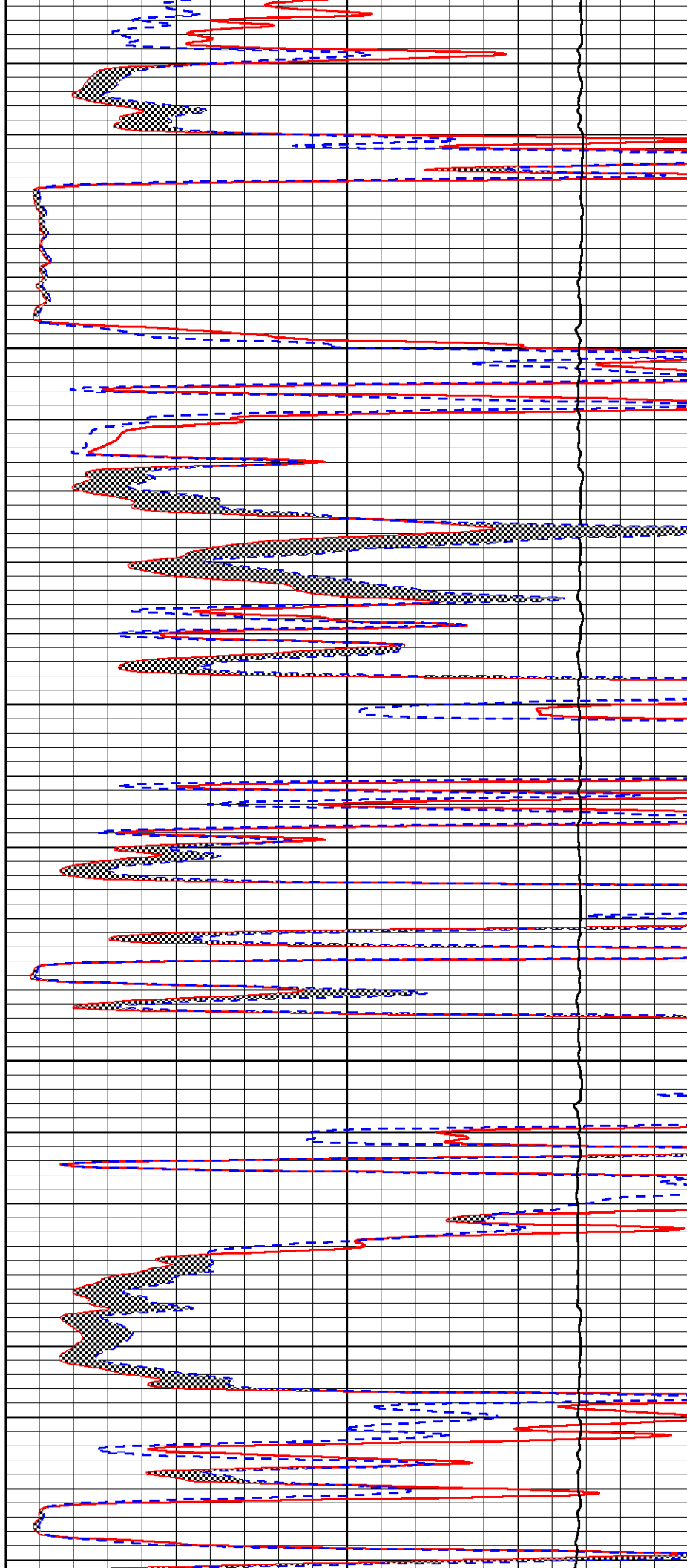


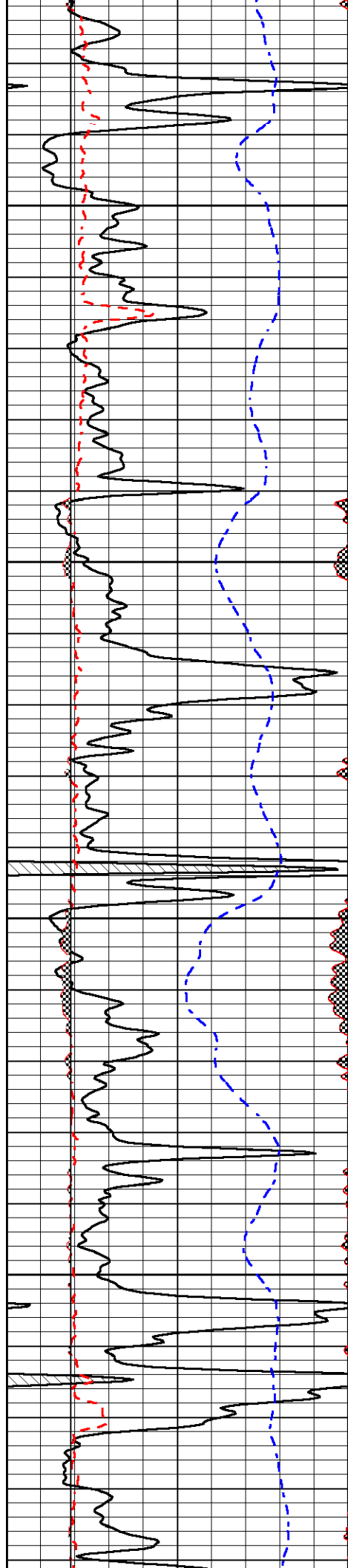
3900

3950

4000

4050



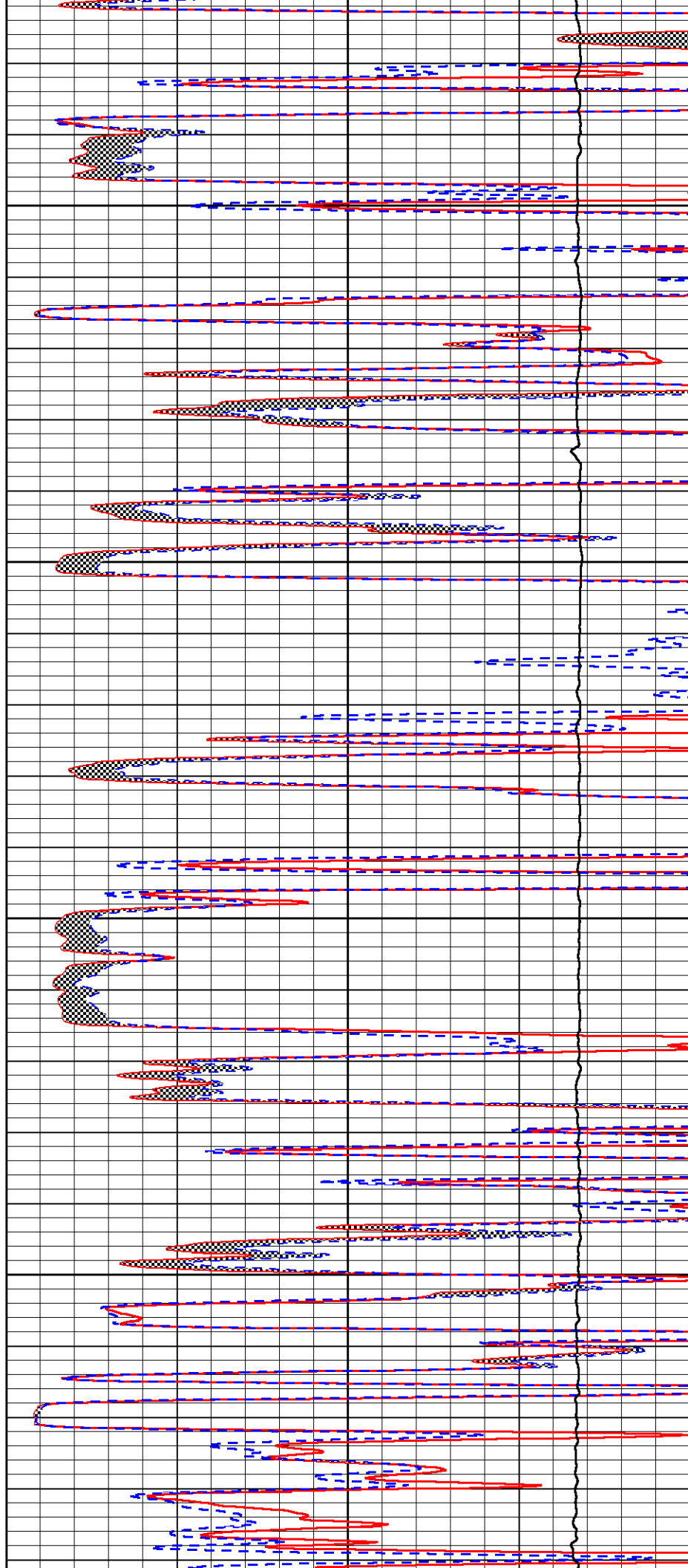


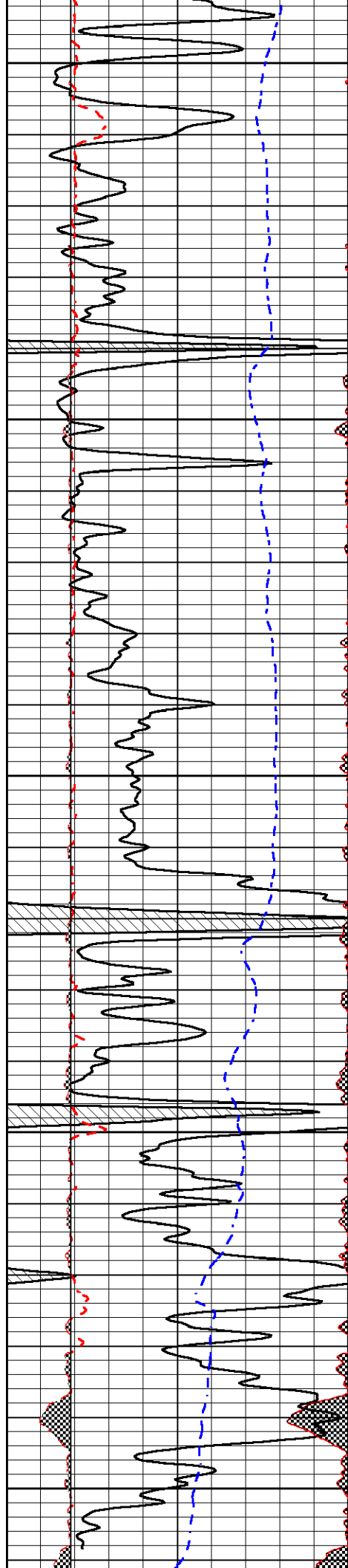
4100

4150

4200

4250





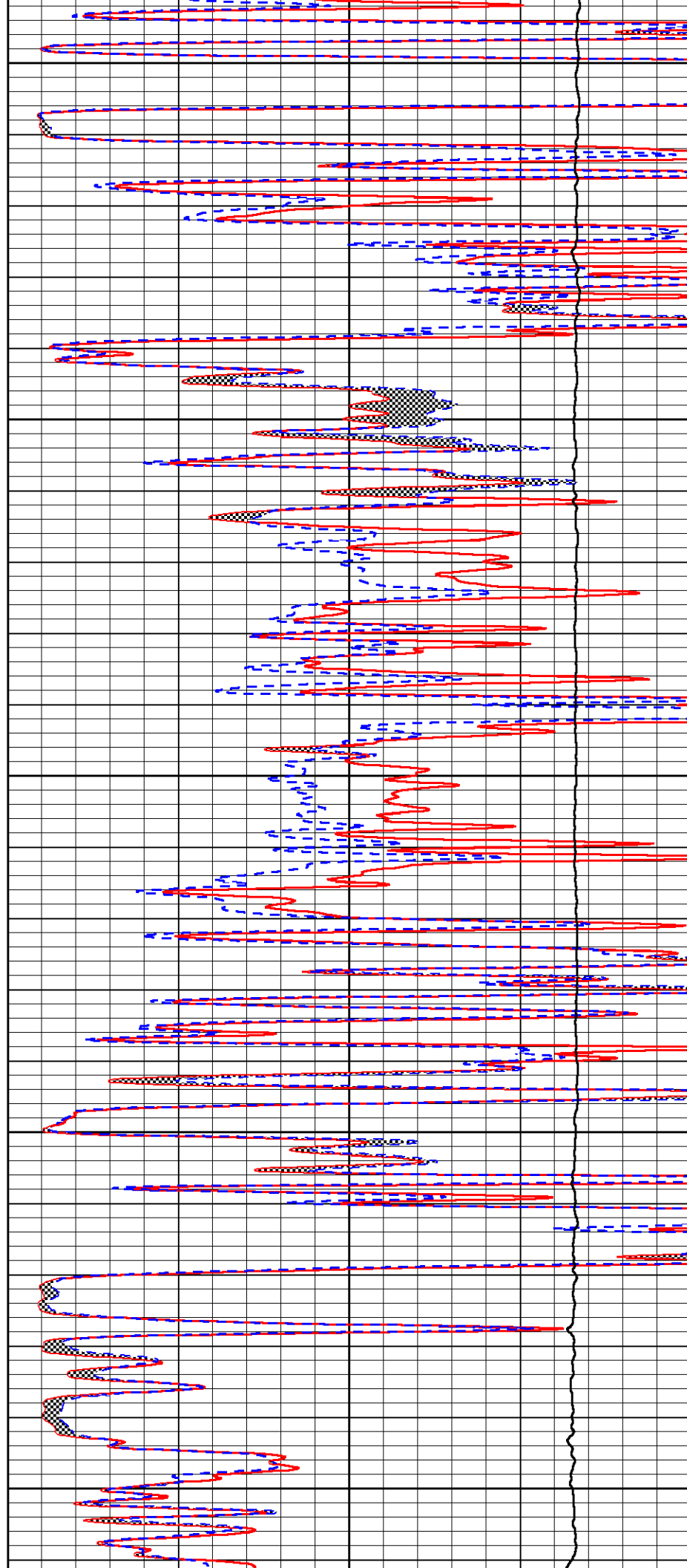
4300

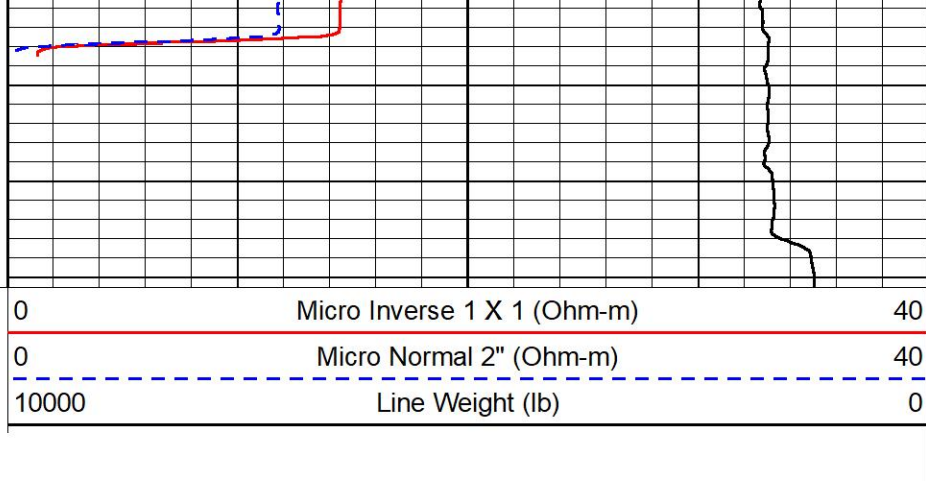
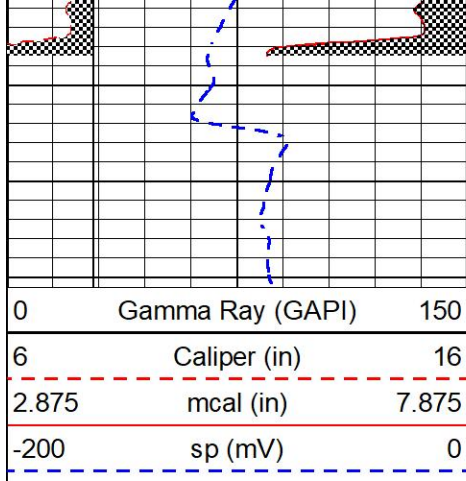
4350

4400

4450

4500



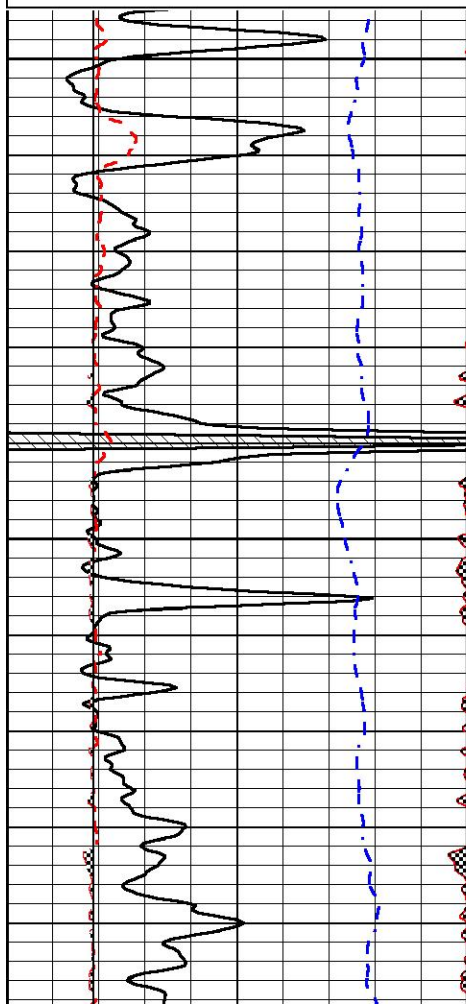
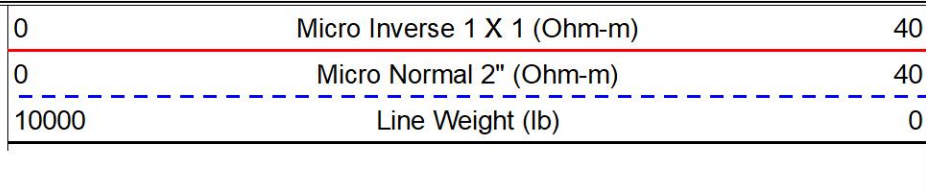
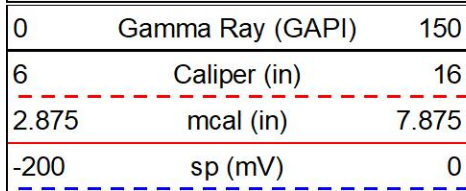


MIDWEST WIRELINE

REPEAT SECTION

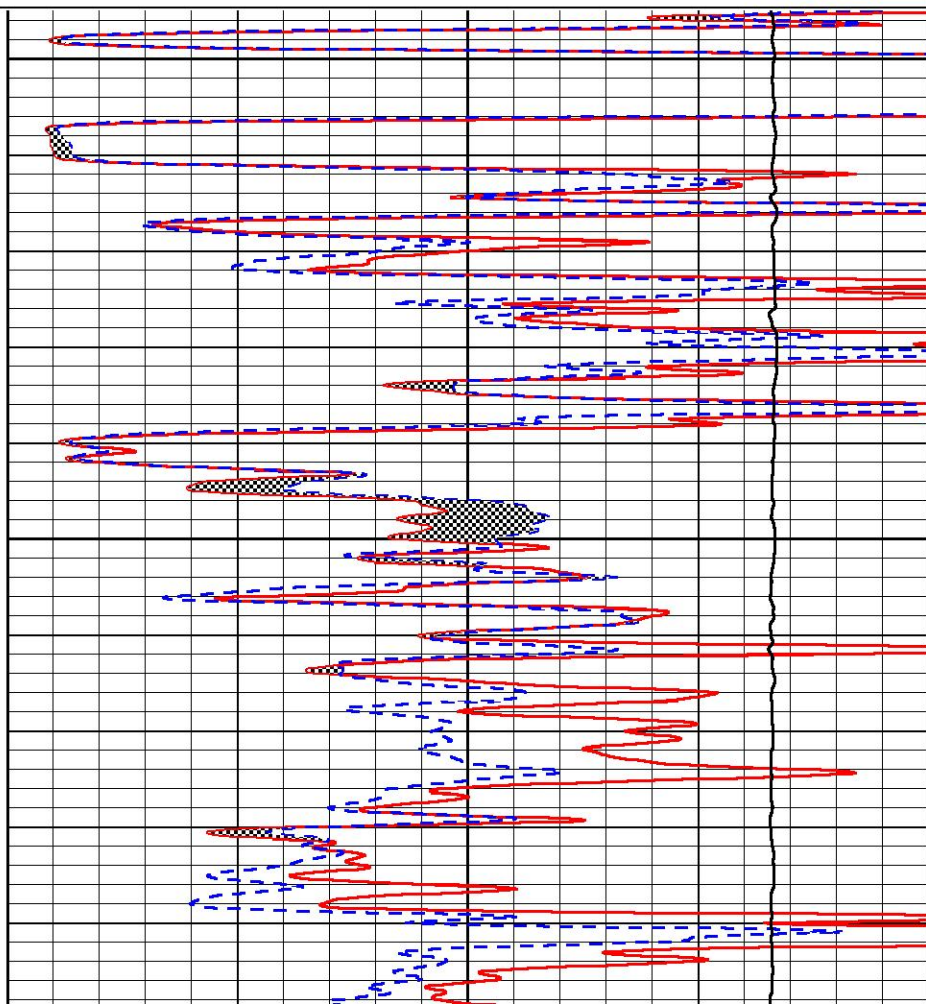
REPEAT PASS

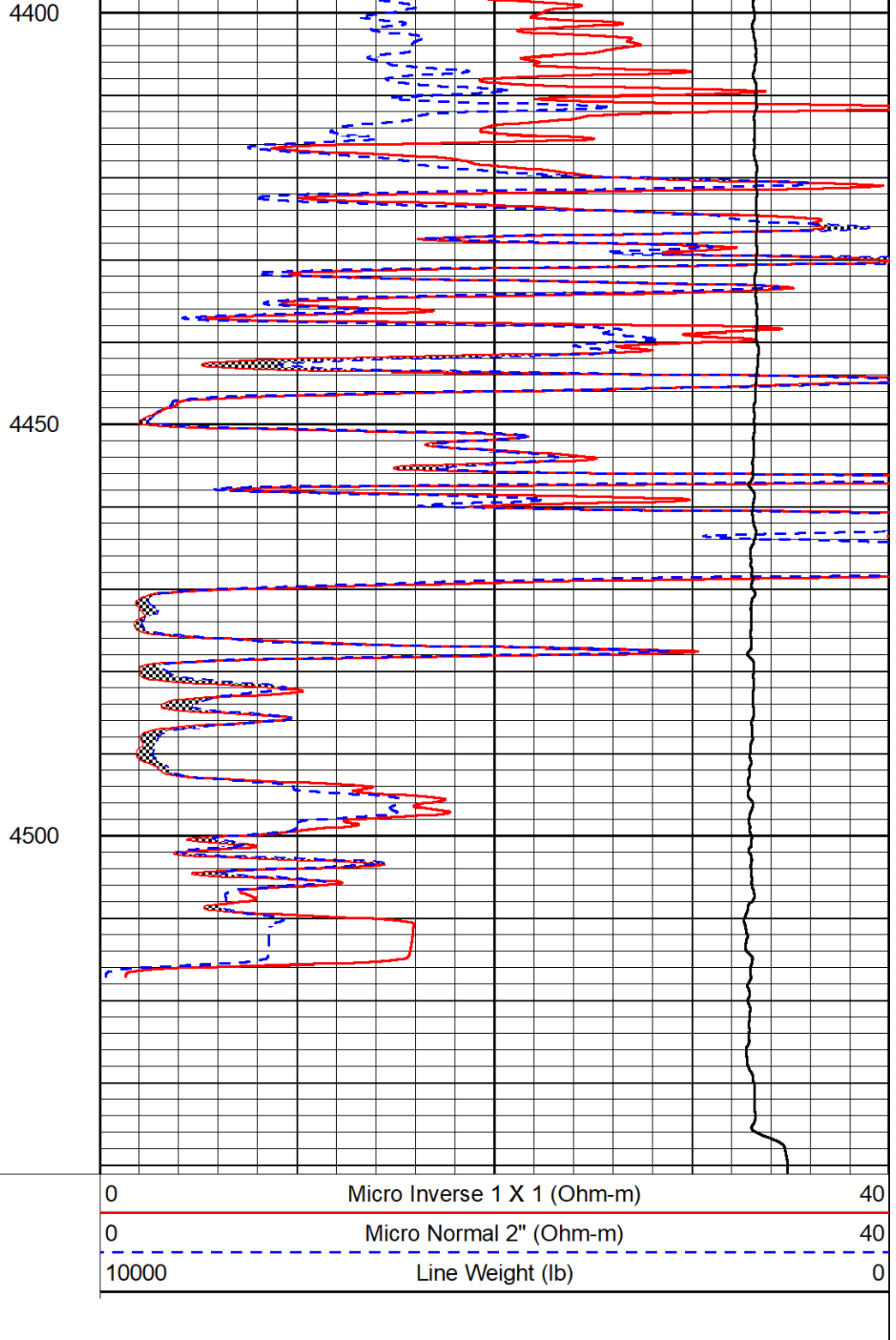
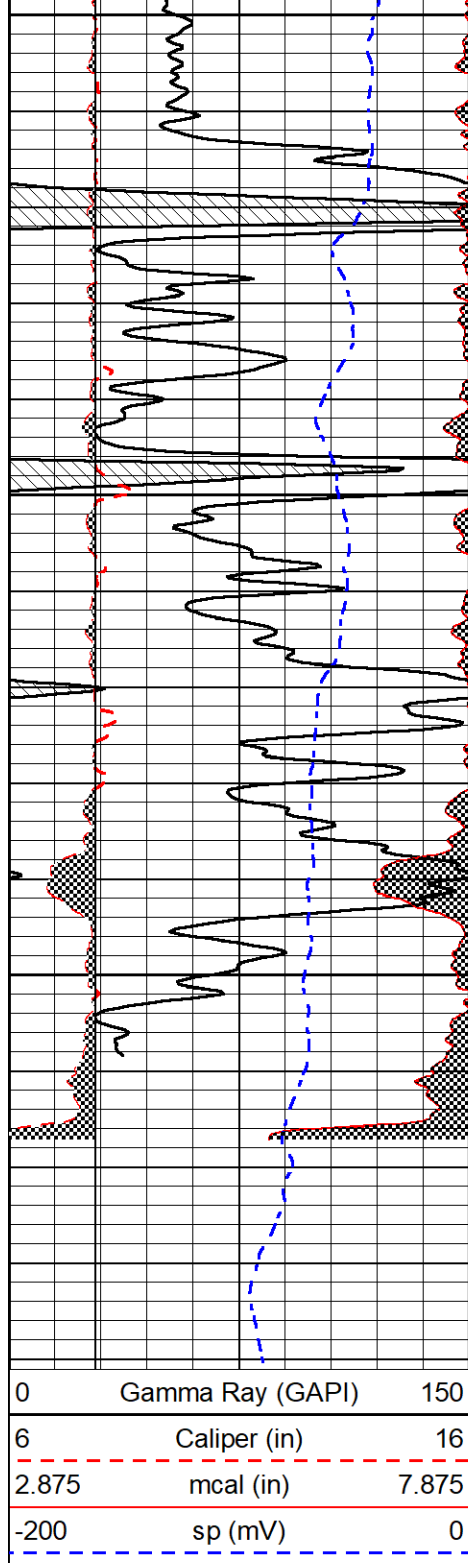
Database File amwar_sinclair #1-16.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _micro
 Dataset Creation Sun Jul 24 09:37:33 2022
 Charted by Depth in Feet scaled 1:240



4300

4350





Calibration Report

Database File amwar_sinclair #1-16.db
 Dataset Pathname SonMel/pass3.4
 Dataset Creation Sun Jul 24 11:25:28 2022

Microlog Calibration Report

Serial-Model: 0002G-GO
 Performed: Fri Apr 1 05:27:15 2022

Readings

Zero Cal

Normal 0.0125 0.9003 V
 Inverse 0.0056 1.1174 V

References

Zero Cal

0.0000 25.0000 Ohm-m
 0.0000 25.0000 Ohm-m

Results

m b

32.0000 0.3000
 10.0000 1.2000

Inverse	0.0036	1.1474	V	0.0000	25.0000	Onin-in	19.0000	1.5000
Caliper	1.3245	0.4100	V	6.0000	16.0000	in	178.0000	5.7000

 MIDWEST WIRELINE	Company	American Warrior, Inc.
	Well	Sinclair #1-16
	Field	Lippoldt East
	County	Hodgeman
	State	Kansas