



MIDWEST WIRELINE

MICRORESISTIVITY

Company Fossil Energy LLC	
Well Prairie Land #1	
Field	
County Norton	State Kansas
Location: API #: 15-137-20766-00-00	
SEC 3 TWP 3S RGE 23W	
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation 2243	Other Services
	CNL/CDL
	DIL
	Elevation
	K.B. 2250
	D.F.
	G.L. 2243
Date	6/30/2023
Run Number	Two
Depth Driller	3580
Depth Logger	3581
Bottom Logged Interval	3580
Top Log Interval	3000
Casing Driller	8.625 @ 303
Casing Logger	305
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1000
Density / Viscosity	9.2 52
pH / Fluid Loss	11.0 8.0
Source of Sample	Flowline
Rm @ Meas. Temp	0.75 @ 73
Rmf @ Meas. Temp	0.56 @ 73
Rmc @ Meas. Temp	1.01 @ 73
Source of Rmf / Rmc	Charts
Rm @ BHT	0.49 @ 112
Operating Rig Time	3.5 Hours
Max Rec. Temp. F	112
Equipment Number	P-24
Location	Hays
Recorded By	T. Martin
Witnessed By	Randy Kilian

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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.

Norton, KS, S side of town,
W on Lower Dam Rd 1/2, W into

Log Measured From: Kelly Bushing 7 Ft. Above Permanent Datum

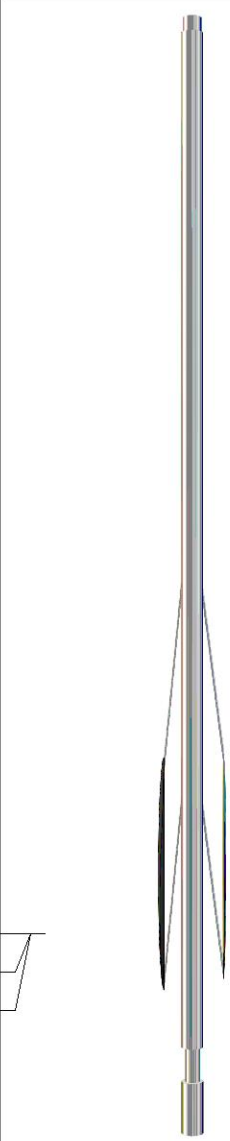
THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Randy Kilian
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	1.00 1.00 1.00		ML-Pengo (Pengo1)	5.50	3.50	100.00
Dataset: fossil_prairie land #1.db: field/well/Micro/pass3.5 Total length: 5.50 ft Total weight: 100.00 lb O.D.: 3.50 in						

Log Variables

DatabaseC:\ProgramData\Warrior\Data\fossil_prairie land #1.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	112	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	5	5	310	80	Off	3581

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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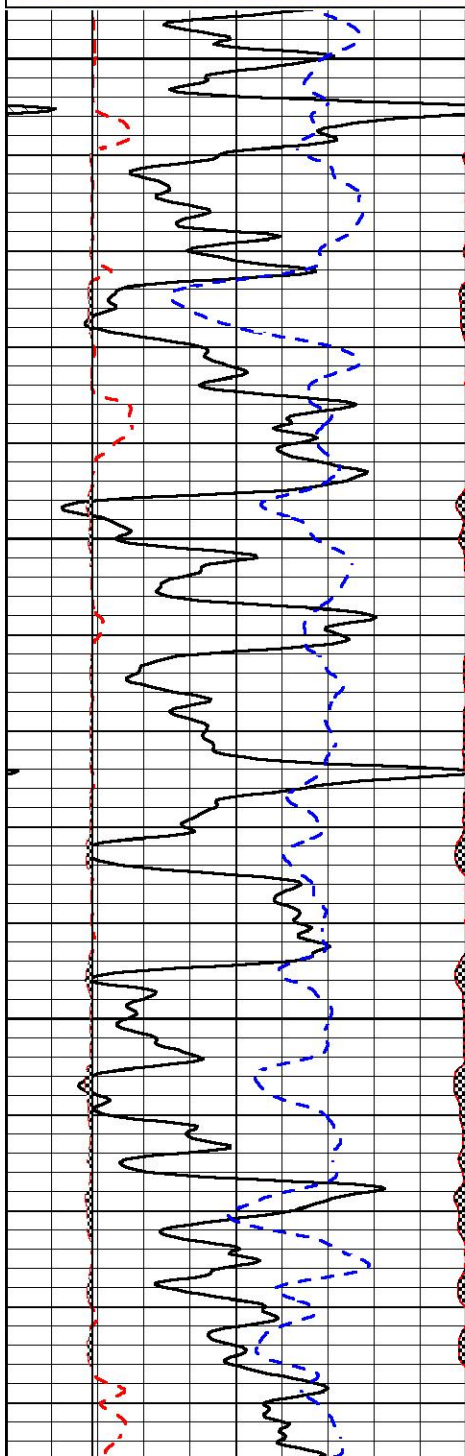
DETAIL SECTION

MAIN PASS

Database File fossil_prairie land #1.db
Dataset Pathname Stack/pass3.1
Presentation Format _micro
Dataset Creation Fri Jun 30 05:09:52 2023
Charted by Depth in Feet scaled 1:240

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

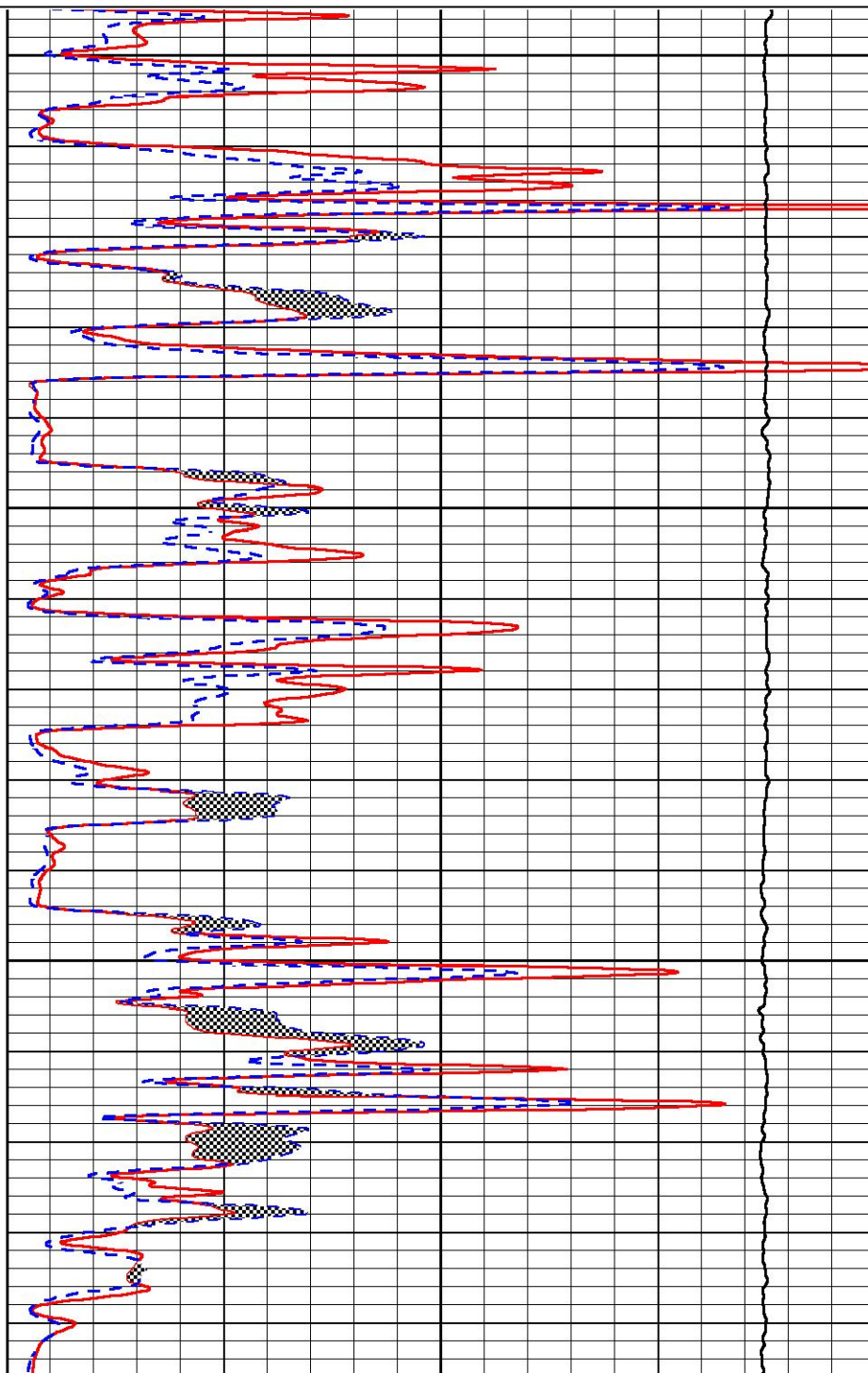
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

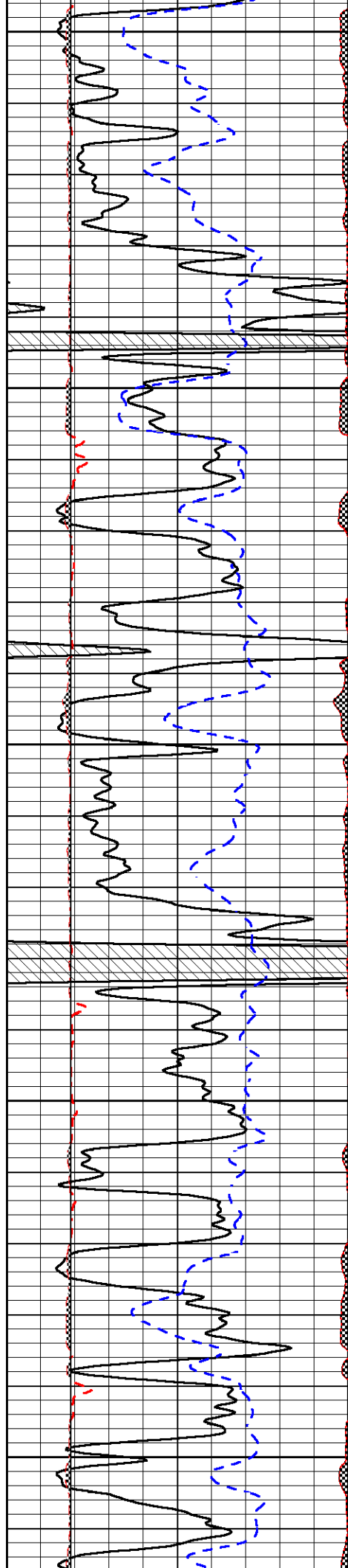


3000

3050

3100





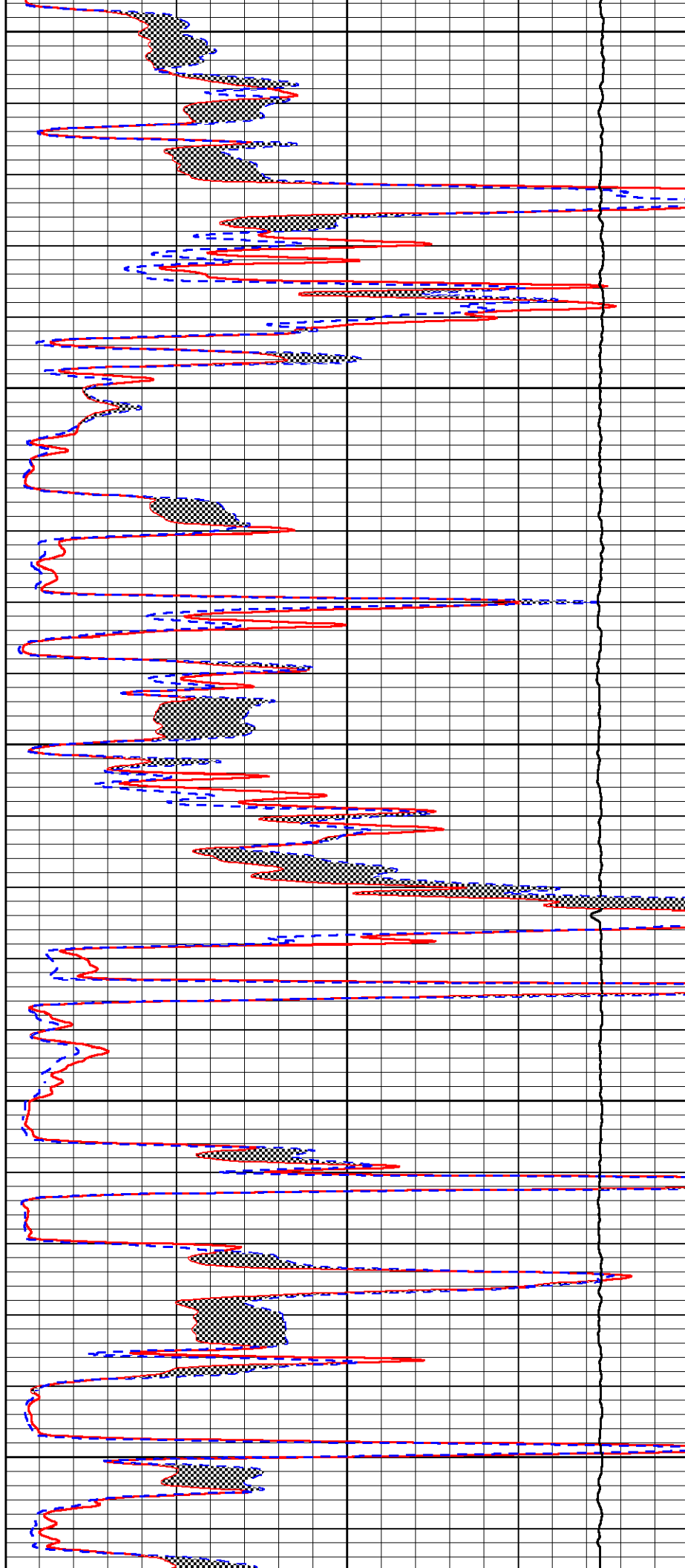
3150

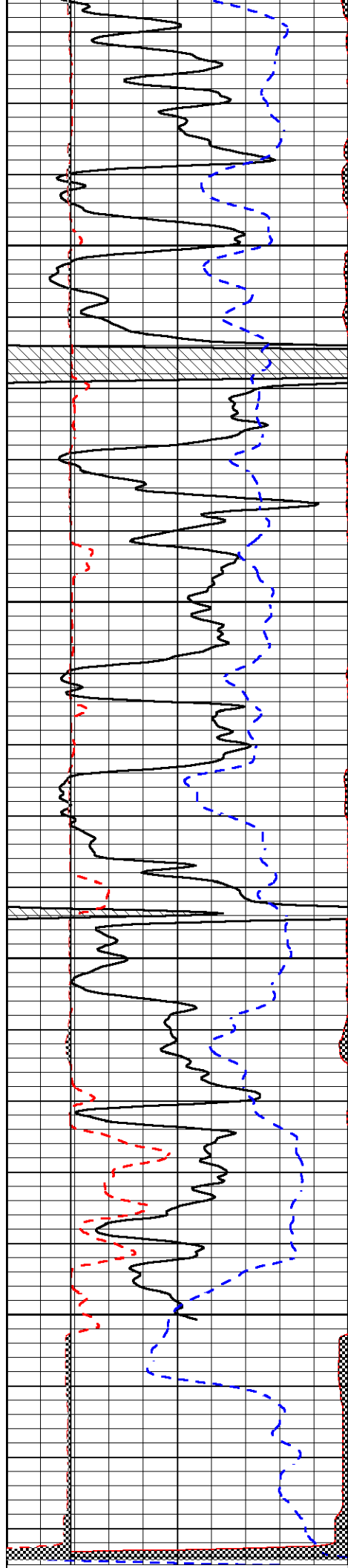
3200

3250

3300

3350



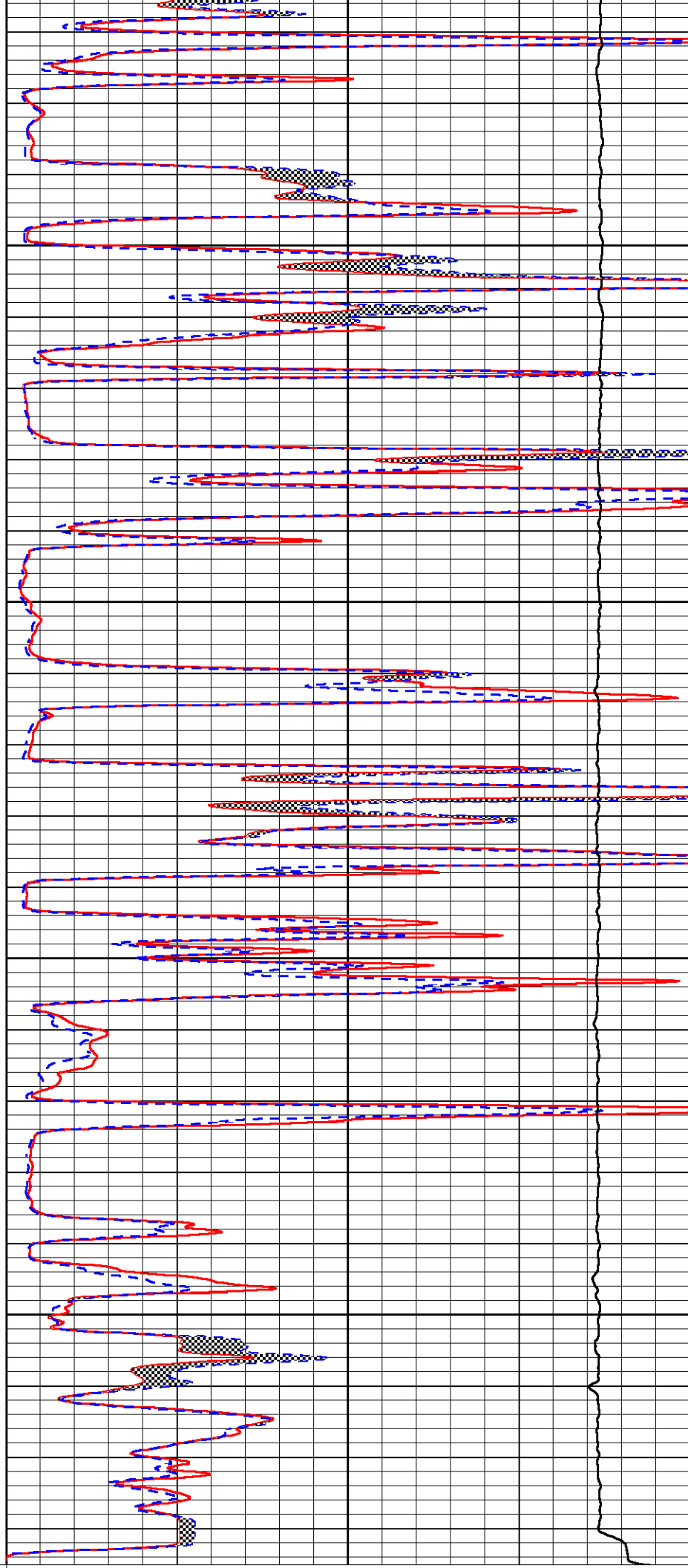


3400

3450

3500

3550



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



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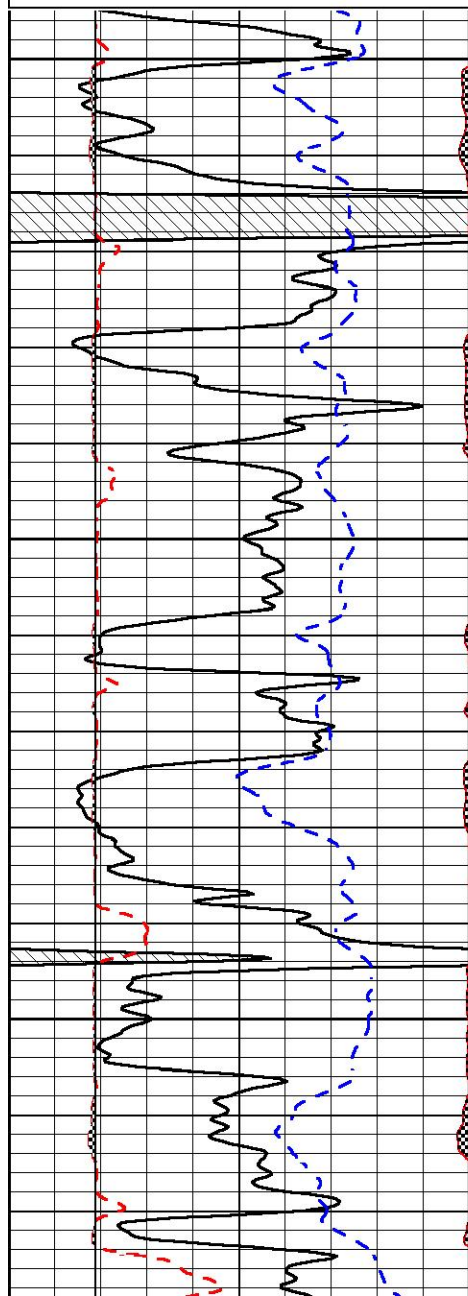
REPEAT SECTION

REPEAT PASS

Database File fossil_prairie land #1.db
Dataset Pathname Stack/pass2.1
Presentation Format _micro
Dataset Creation Fri Jun 30 04:40:56 2023
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

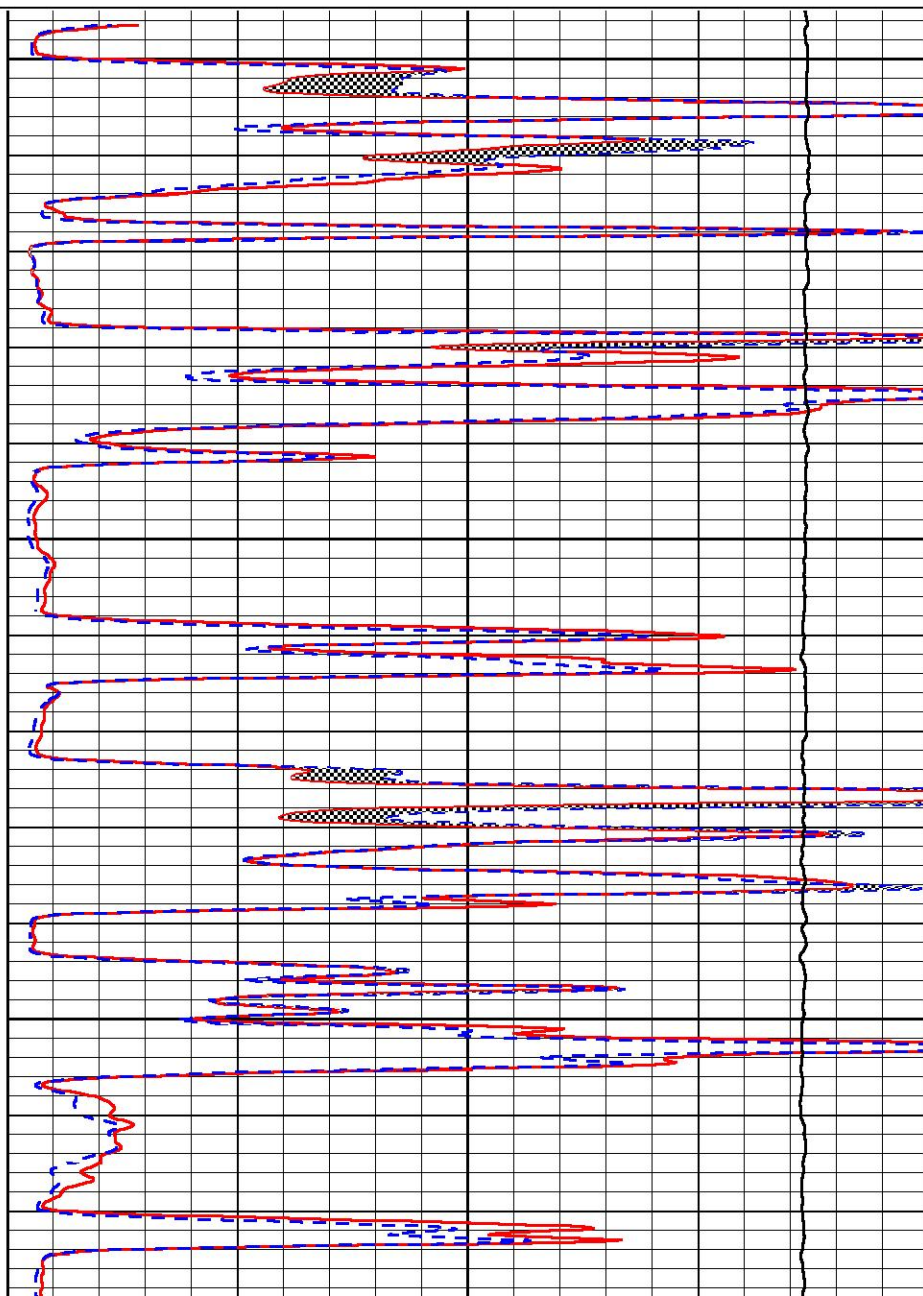
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

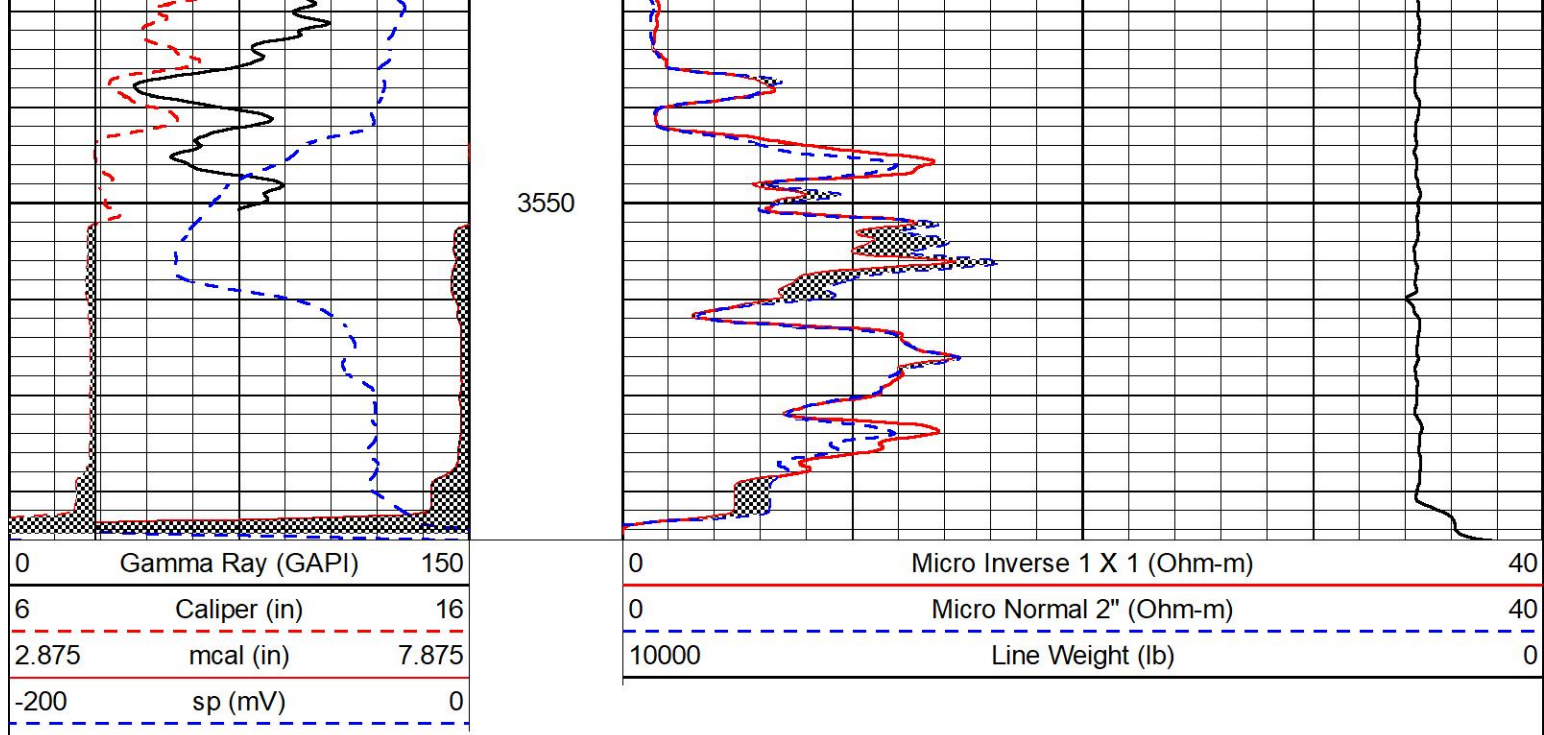


3400

3450

3500





Calibration Report

Database File fossil_prairie land #1.db
 Dataset Pathname Micro/pass3.5
 Dataset Creation Fri Jun 30 06:22:26 2023

Microlog Calibration Report

Serial-Model: Pengo1-Pengo
 Performed: Sat Jun 24 10:05:50 2023

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0394	0.4595	V	0.0000	10.0000	Ohm-m	12.2500	-0.5000
Inverse	0.0179	0.4655	V	0.0000	10.0000	Ohm-m	9.0000	0.0000
Caliper	-0.0023	0.0718	V	5.5000	18.5000	in	1.9000	2.4000



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 Well Prairie Land #1
 Field
 County Norton
 State Kansas