



MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company Brehm Asset Management LLC
 Well Dettmer-Wilkens #2-32
 Field Slate East
 County Rooks
 State Kansas

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Location: API #: 15-163-24457-00-00
 NE SW SW NW
 2298 FNL & 335 FWL
 SEC 32 TWP 6S RGE 19W
 Permanent Datum Ground Level Elevation 2049
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 CNL/CDL
 DIL
 Elevation
 K.B. 2057
 D.F.
 G.L. 2049

Date	8/16/2022
Run Number	Two
Depth Driller	3590
Depth Logger	3591
Bottom Logged Interval	3590
Top Log Interval	3200
Casing Driller	8:625 @ 224
Casing Logger	224
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1900
Density / Viscosity	8.9 57
pH / Fluid Loss	11.0 5.8
Source of Sample	Flowline
Rm @ Meas. Temp	0.8 @ 70
Rmt @ Meas. Temp	0.6 @ 70
Rmc @ Meas. Temp	1.08 @ 70
Source of Rmf / Rmc	Charts
Rm @ BHT	0.5 @ 112
Operating Rig Time	3.5 Hours
Max Rec. Temp. F	112
Equipment Number	P-24
Location	Hays
Recorded By	T. Martin
Witnessed By	Dwight Brehm

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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.

Stockton, KS, W on Hwy 24
 to Rd 8, 5.5 N, E into

Log Measured From: Kelly Bushing 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: Dwight Brehm
 Secondary Witness: Ken Keltner
 Secondary Witness:
 Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\brehm_dettmer-wilkens #2-32.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	0	0	0	0	80	Off	3591

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



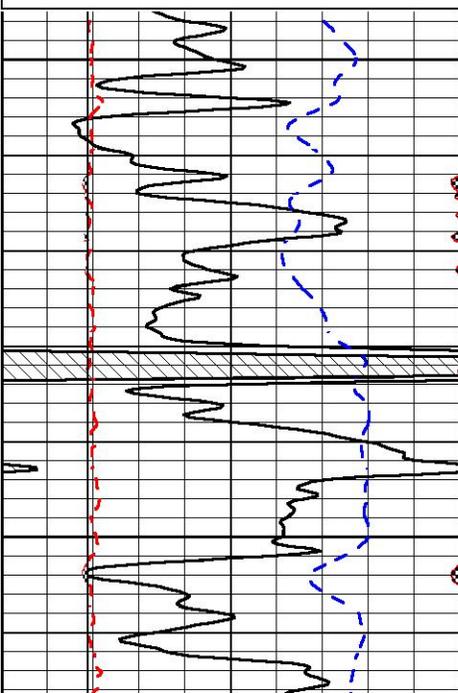
DETAIL SECTION

MAIN PASS

Database File brehm_dettmer-wilkens #2-32.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _micro
 Dataset Creation Tue Aug 16 04:13:17 2022
 Charted by Depth in Feet scaled 1:240

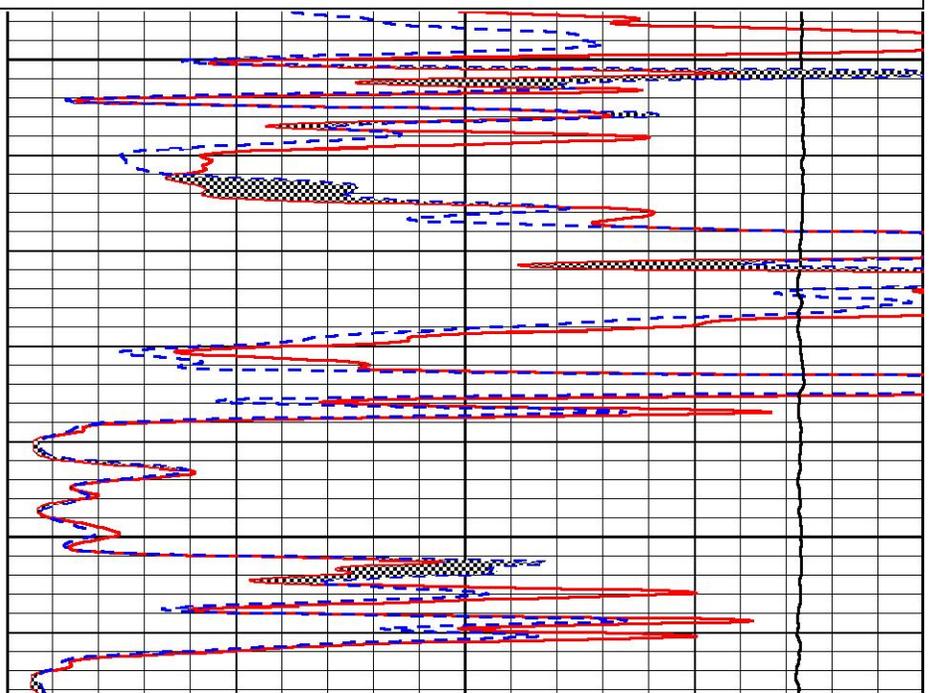
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

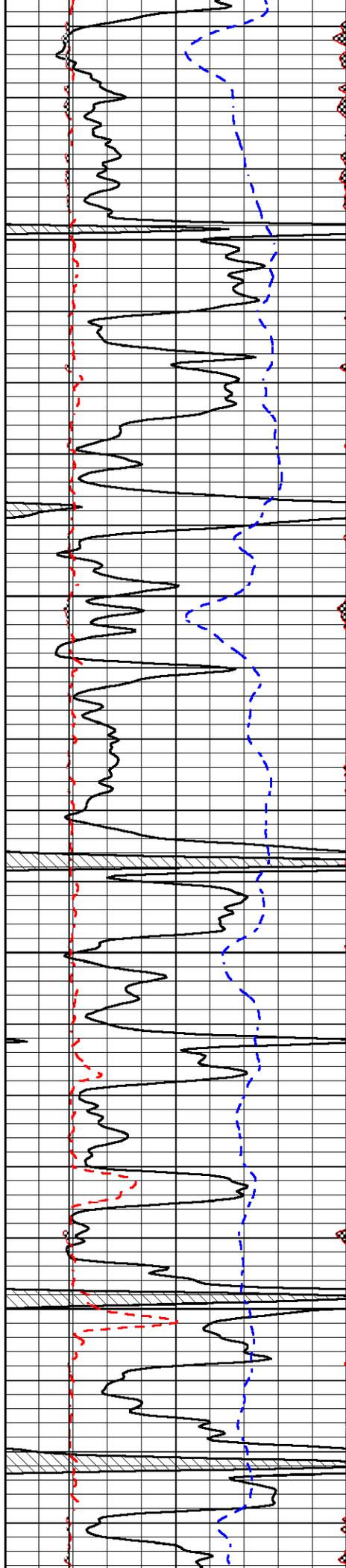
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3200

3250



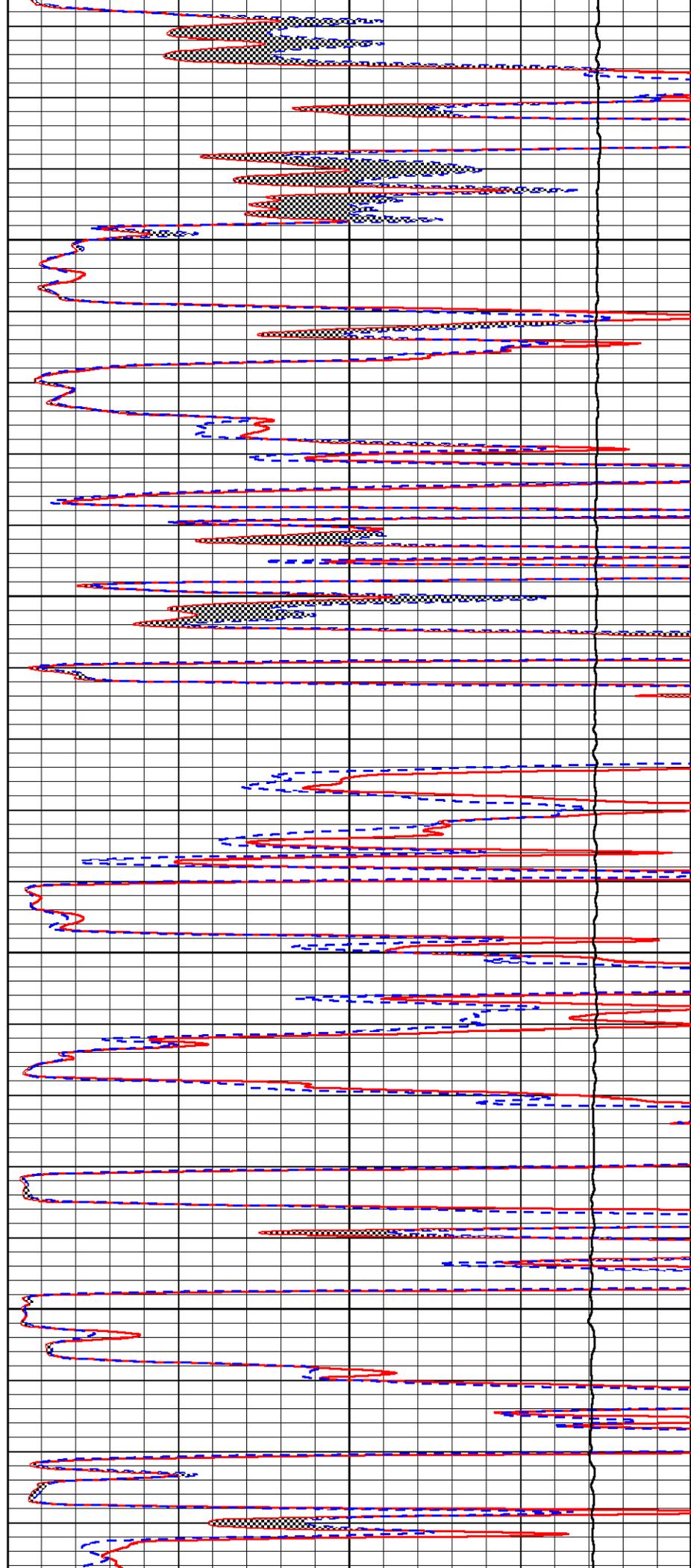


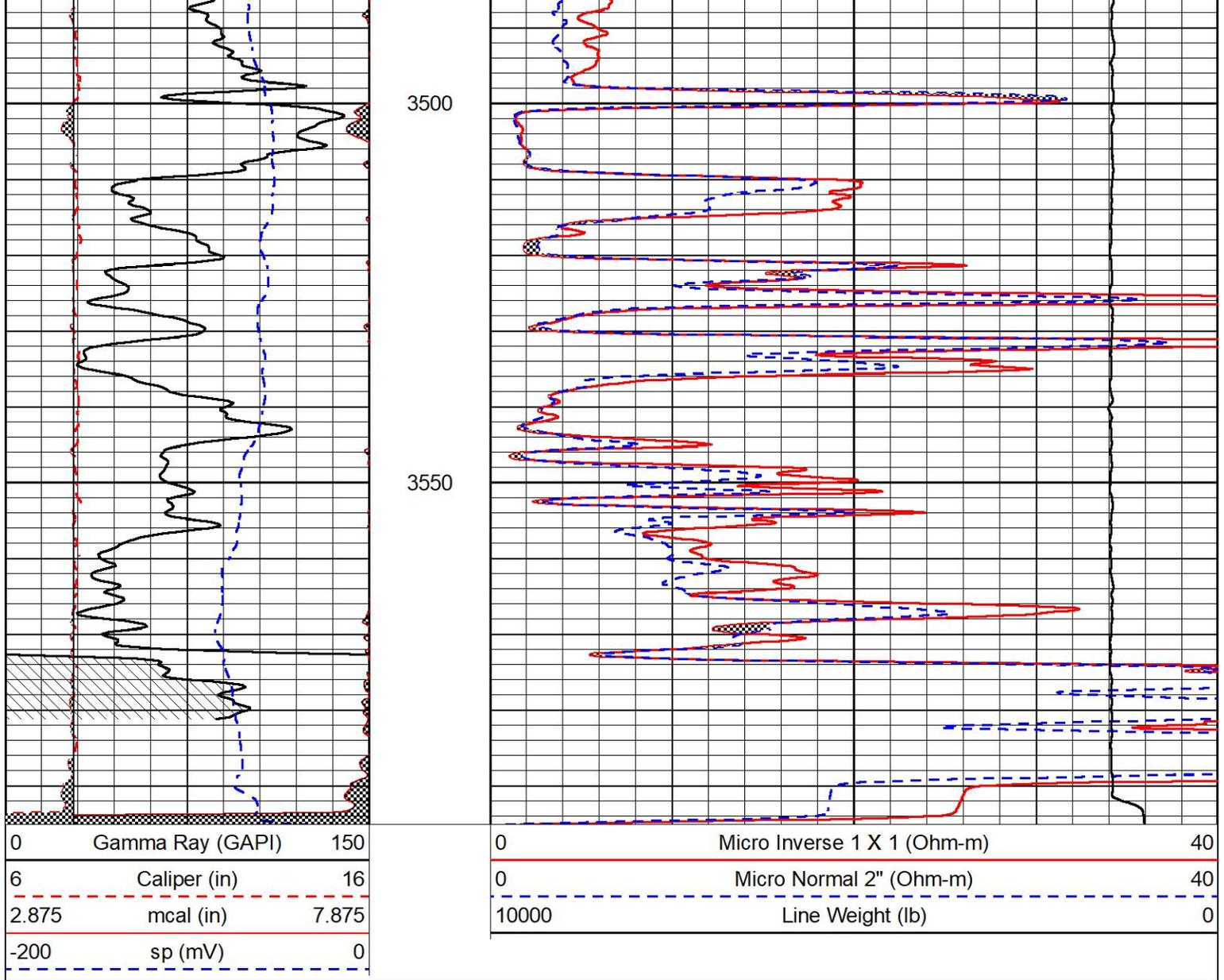
3300

3350

3400

3450



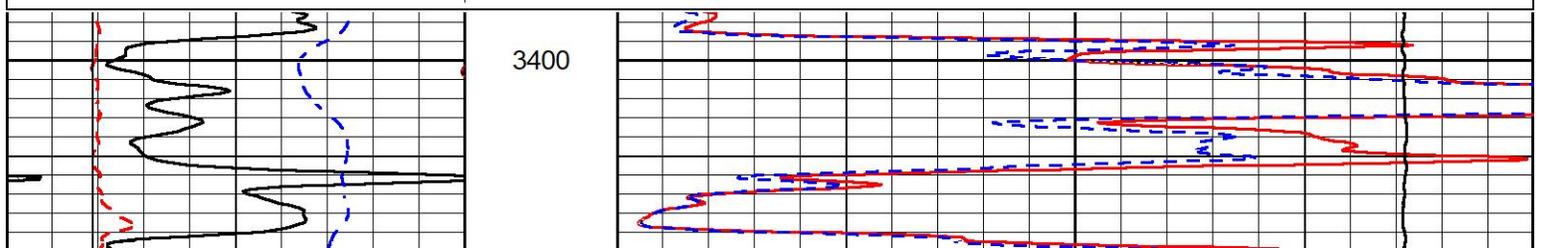
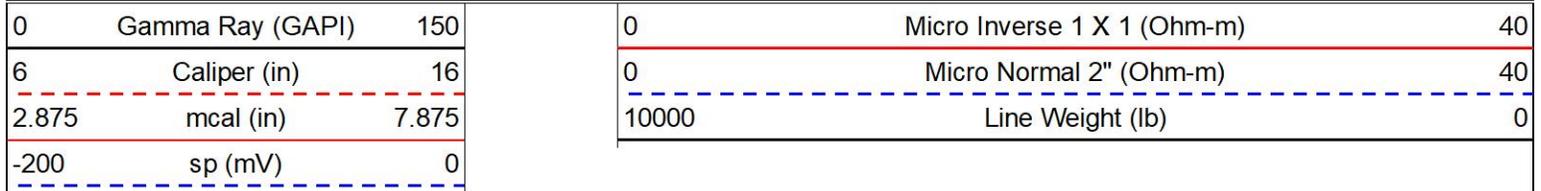


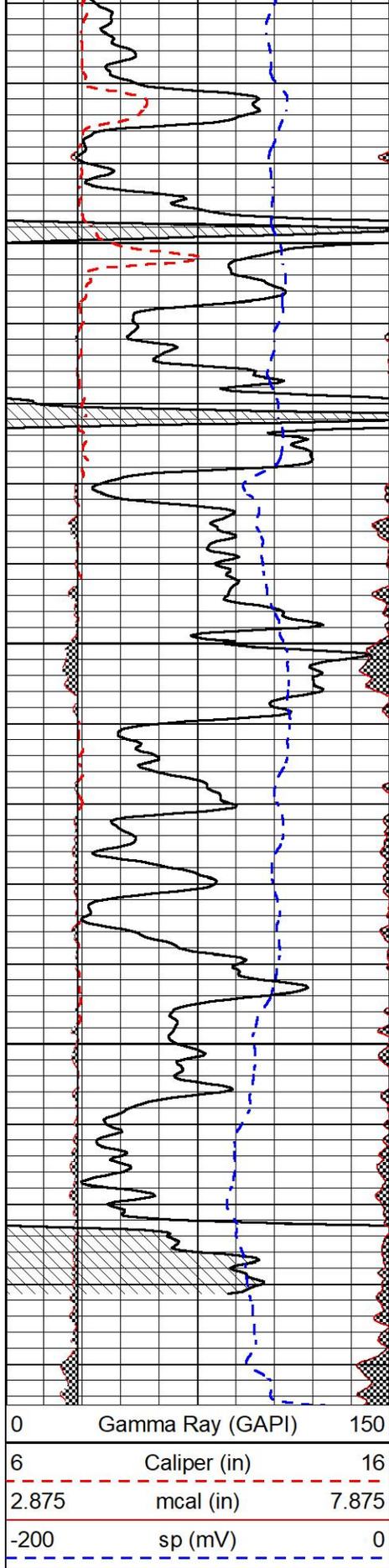
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REPEAT SECTION

REPEAT PASS

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 Charted by Depth in Feet scaled 1:240

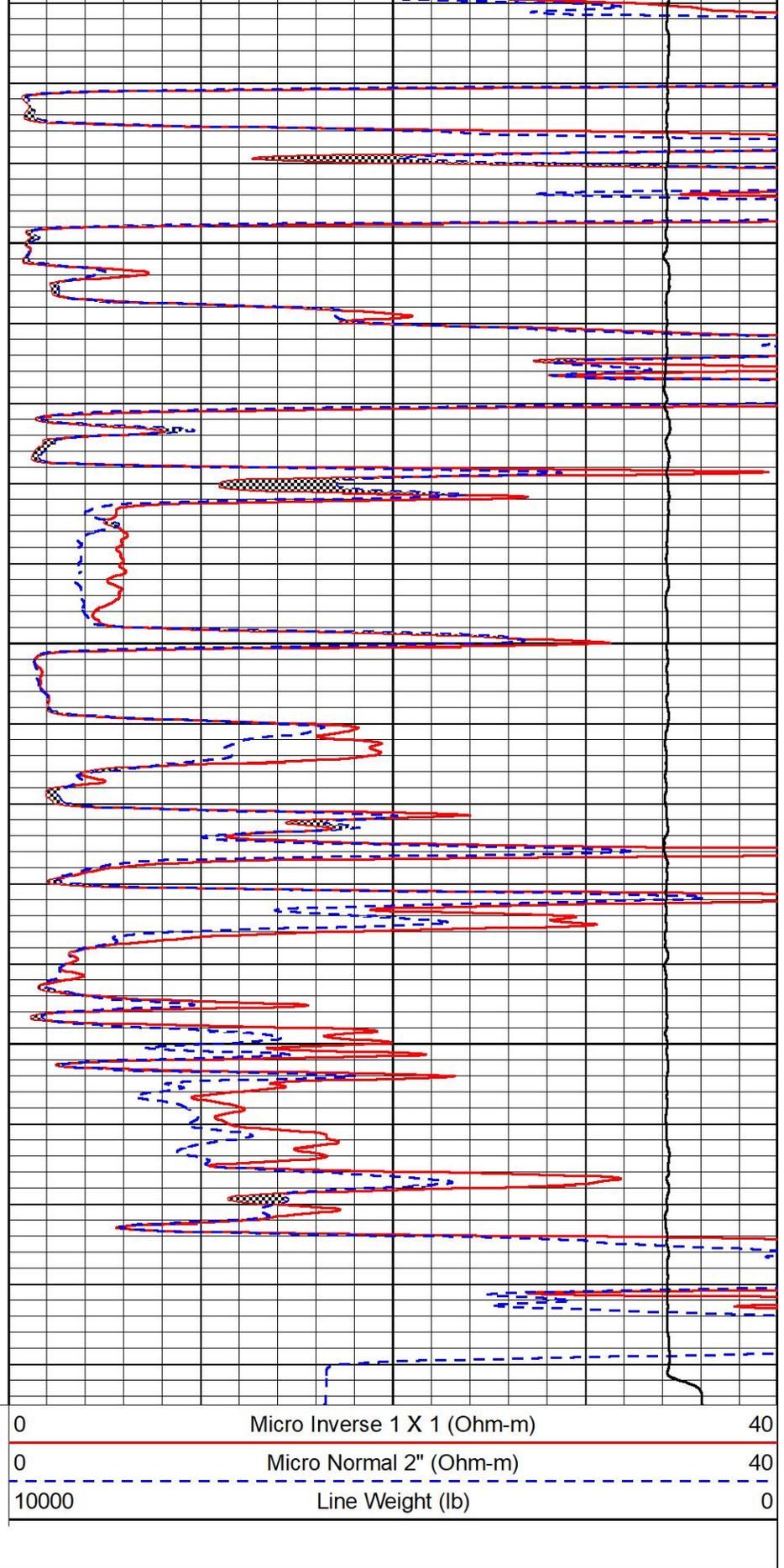




3450

3500

3550



Company Brehm Asset Management LLC
 Well Dettmer-Wilkens #2-32
 Field Slate East



County
State

Rooks
Kansas