



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company R. P. Nixon Operations, Inc.

Well Leiker Twin #6

Field Air Base

County Ellis

State Kansas

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Well Leiker Twin #6

Field Air Base

County Ellis

State Kansas

Location:

API #: 15-151-27029-00-00

Other Services

1582 FSL & 1266 FWL

SEC 26 TWP 13S RGE 16W

CNL/CDL
DILPermanent Datum
Log Measured From
Drilling Measured FromGround Level
Kelly Bushing
Kelly BushingElevation
1942K.B. 1950
D.F. 1942
G.L. 1942

Date 3/20/2022

Run Number One

Depth Driller 3530

Depth Logger 3534

Bottom Logged Interval 3533

Top Log Interval 2800

Casing Driller 8.625 @ 309

Casing Logger 308

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 8200

Density / Viscosity 9.2 51

pH / Fluid Loss 10.5 6.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.60 @ 55

Rmt @ Meas. Temp 0.45 @ 55

Rmc @ Meas. Temp 0.81 @ 55

Source of Rmt / Rmc CHARTS

Rm @ BHT 0.30 @ 111

Operating Rig Time 2 Hours

Max Rec. Temp. F 111

Equipment Number P-24

Location Hays

Recorded By D. Schmidt

Witnessed By Dan Nixon

<<< Fold Here >>>

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.

Walker,
1.1 North, West into

Log Measured From: Kelly Bushing 8 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: Dan Nixon
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\rp nixon_leiker twin 6.db
Dataset field/well/stkml/pass3.12/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 111	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV -130	degF 40	Off	ft 3534

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

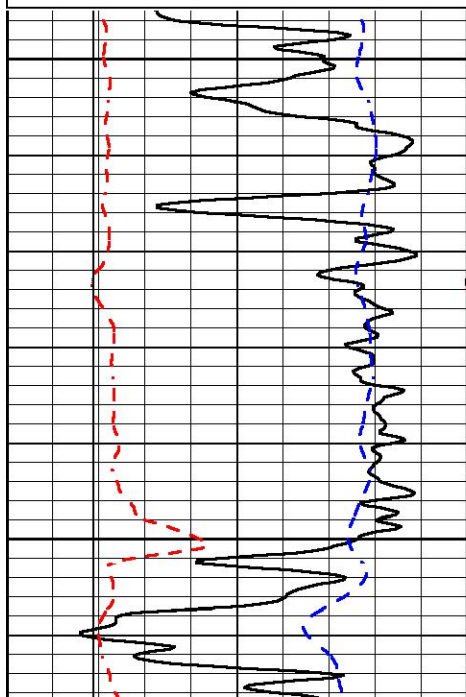
DETAIL SECTION

MAIN PASS

Database File rp nixon_leiker twin 6.db
Dataset Pathname stkml/pass3.1
Presentation Format _micro
Dataset Creation Sun Mar 20 02:37:31 2022
Charted by Depth in Feet scaled 1:240

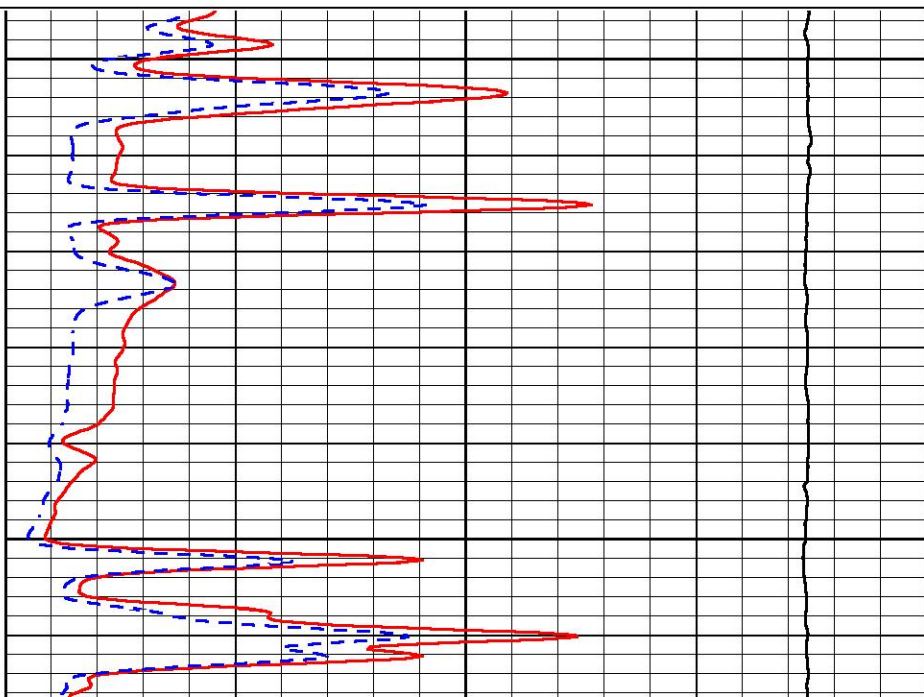
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	SP (mV)	0

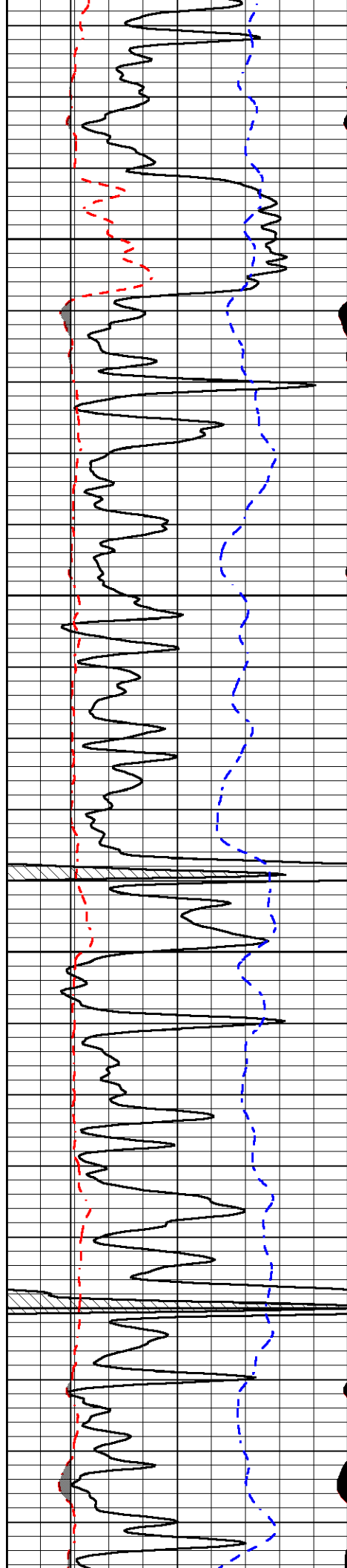
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2800

2850



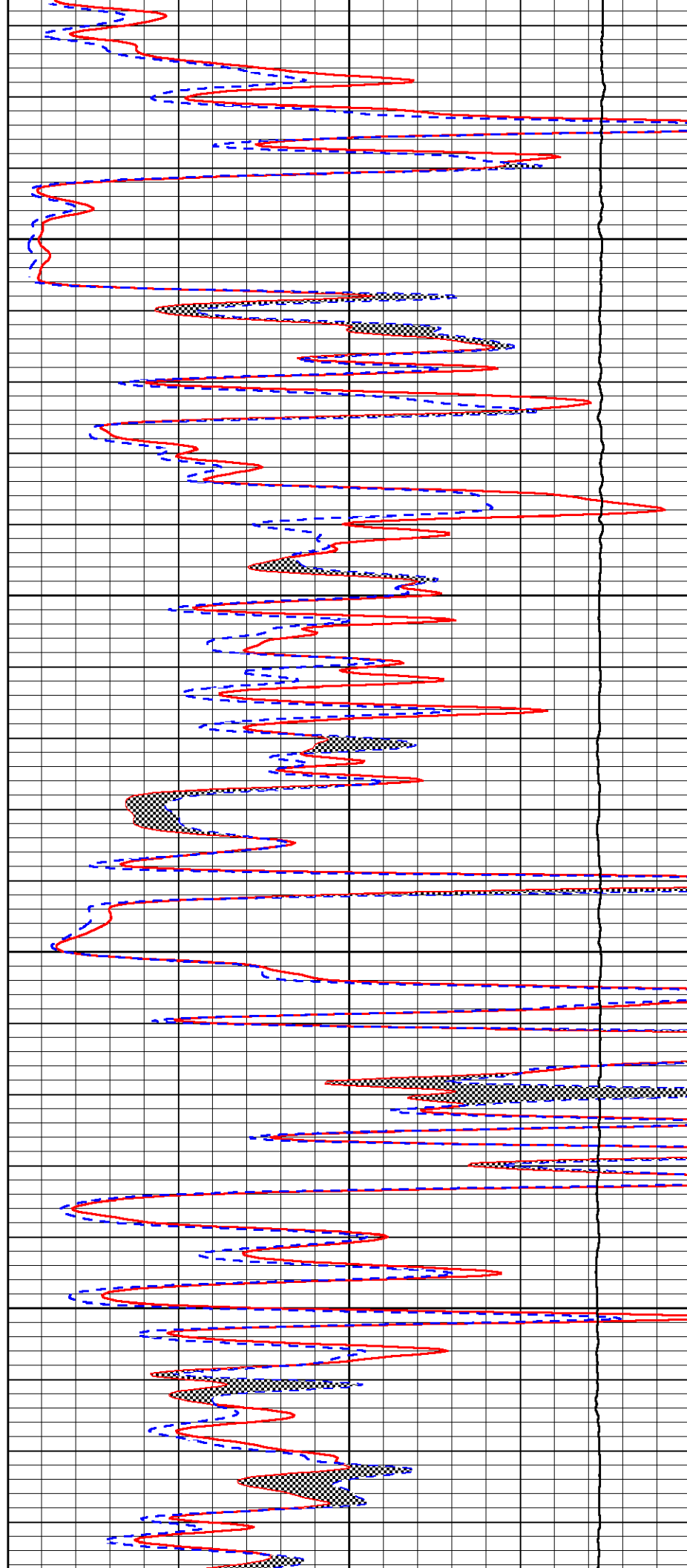


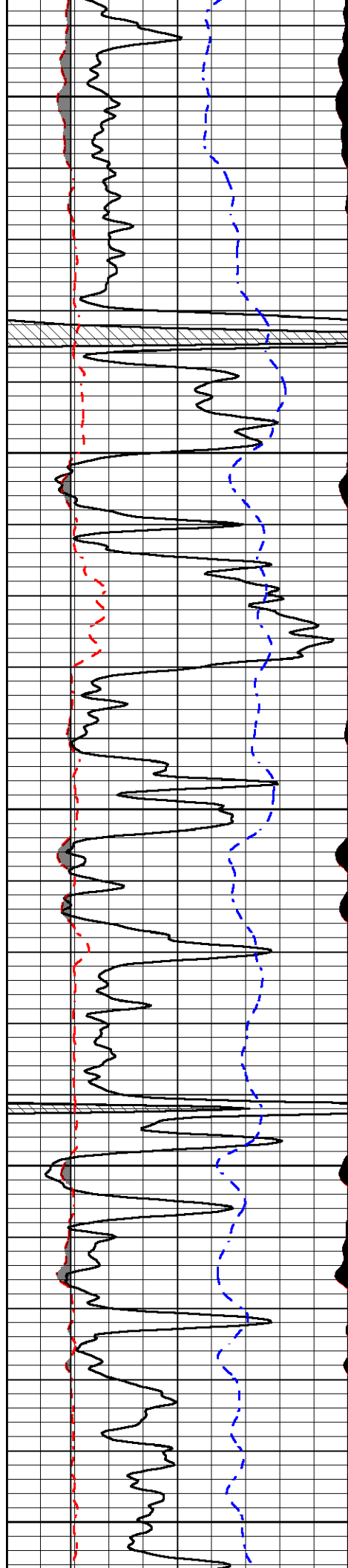
2900

2950

3000

3050





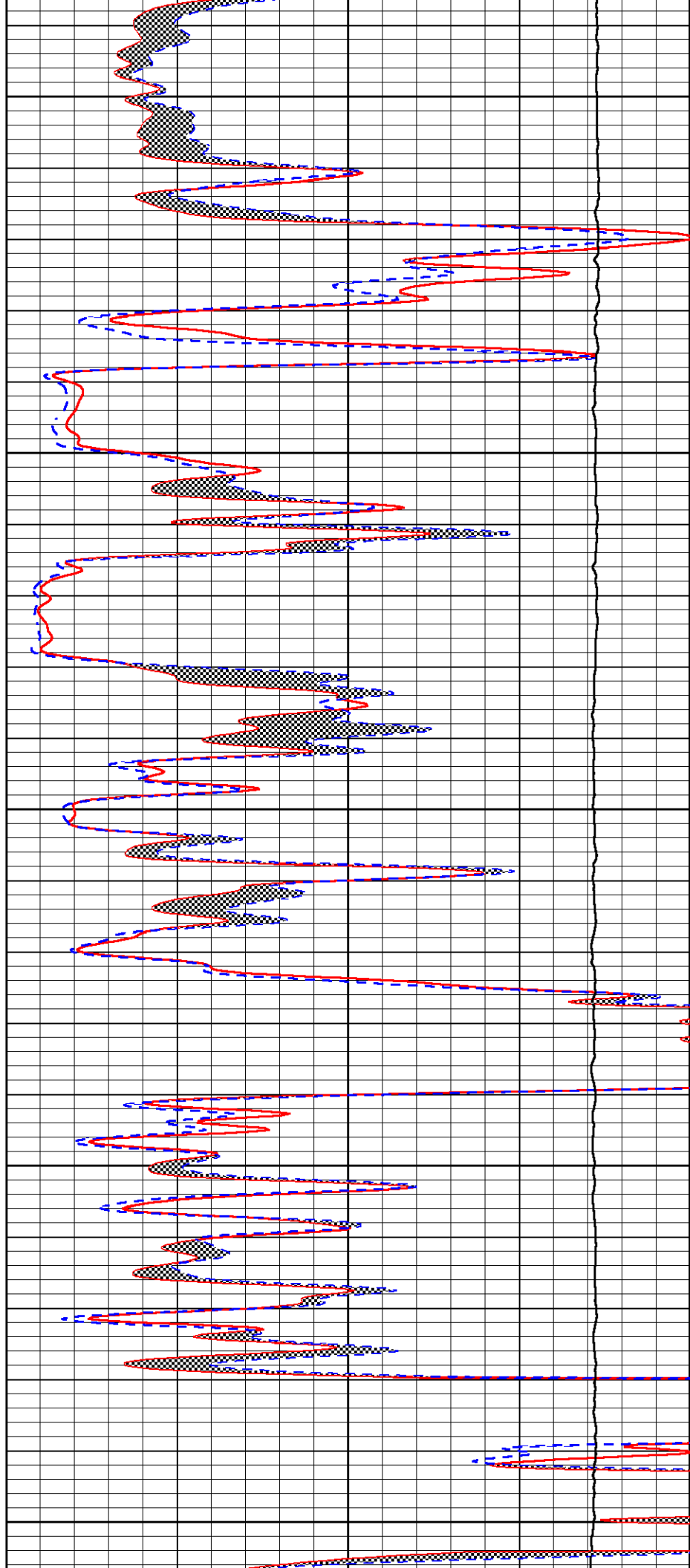
3100

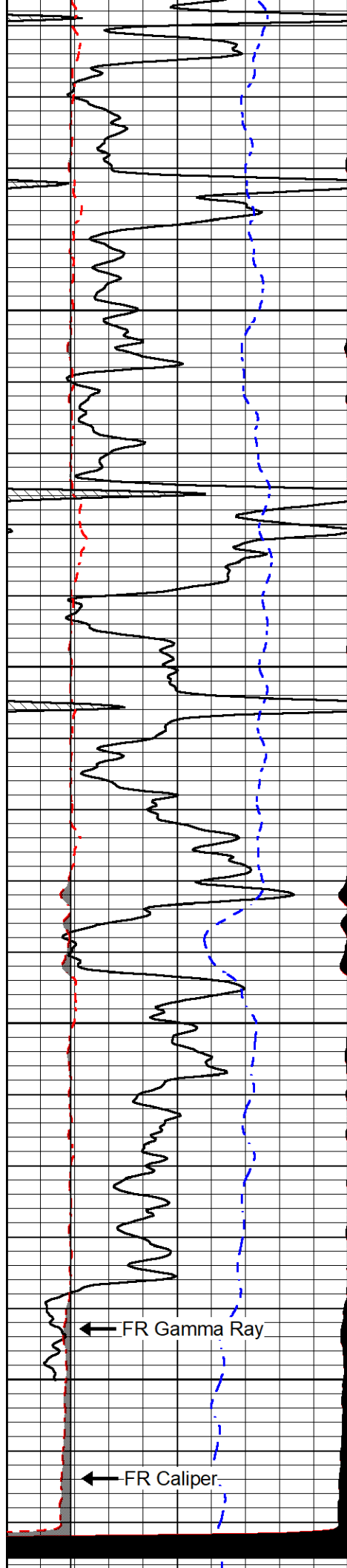
3150

3200

3250

3300





3350

3400

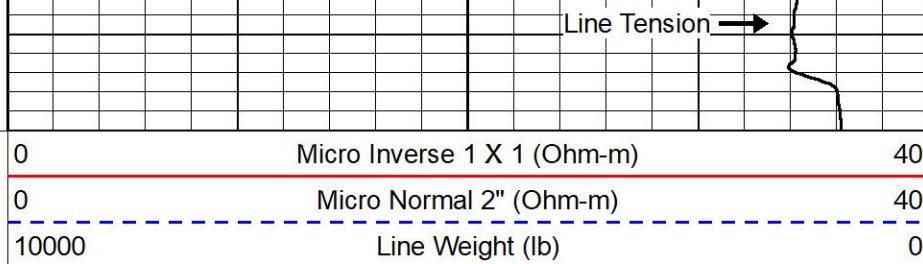
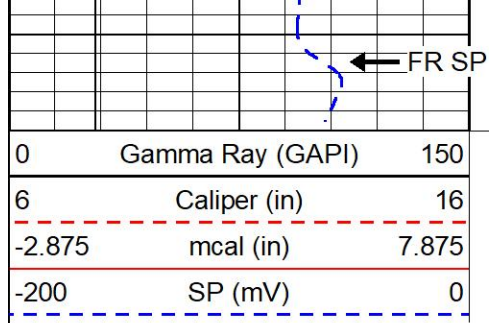
3450

Micro Inverse 1 X 1 →

3500

← Micro Normal 2"

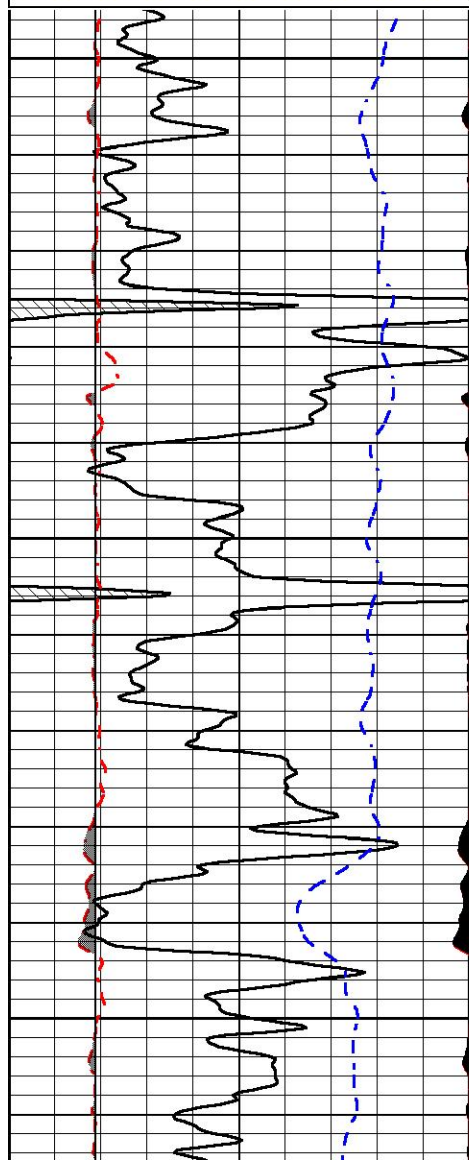
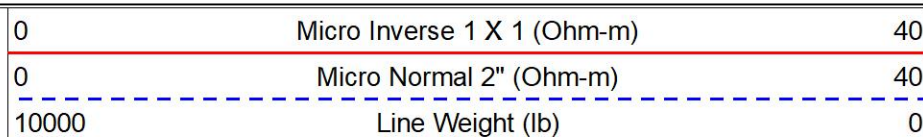
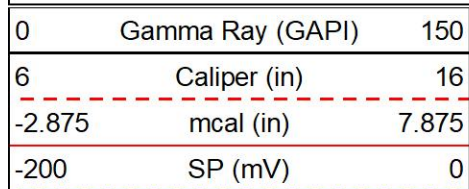
← FR MEL



REPEAT SECTION

REPEAT PASS

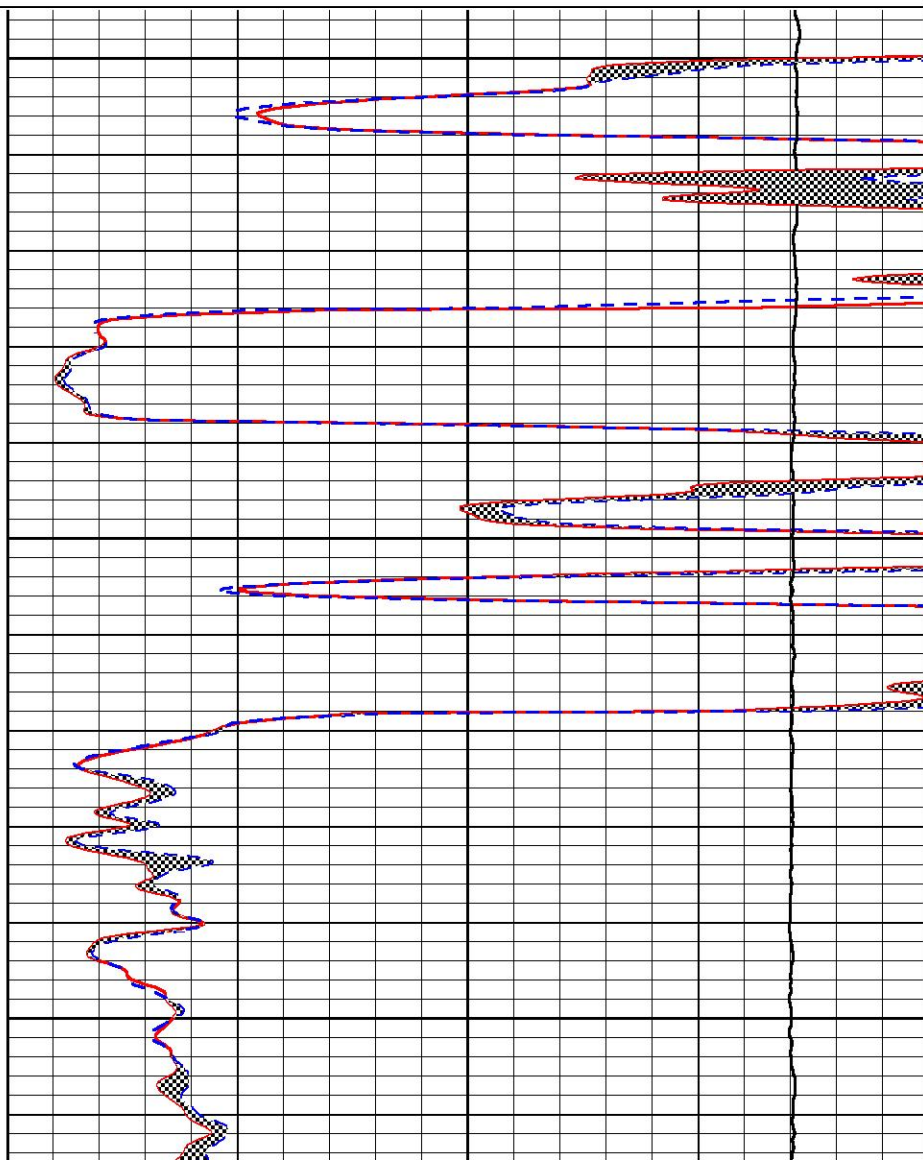
Database File: rp nixon_leiker twin 6.db
 Dataset Pathname: stkml/pass2.12
 Presentation Format: _micro
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 Charted by: Depth in Feet scaled 1:240

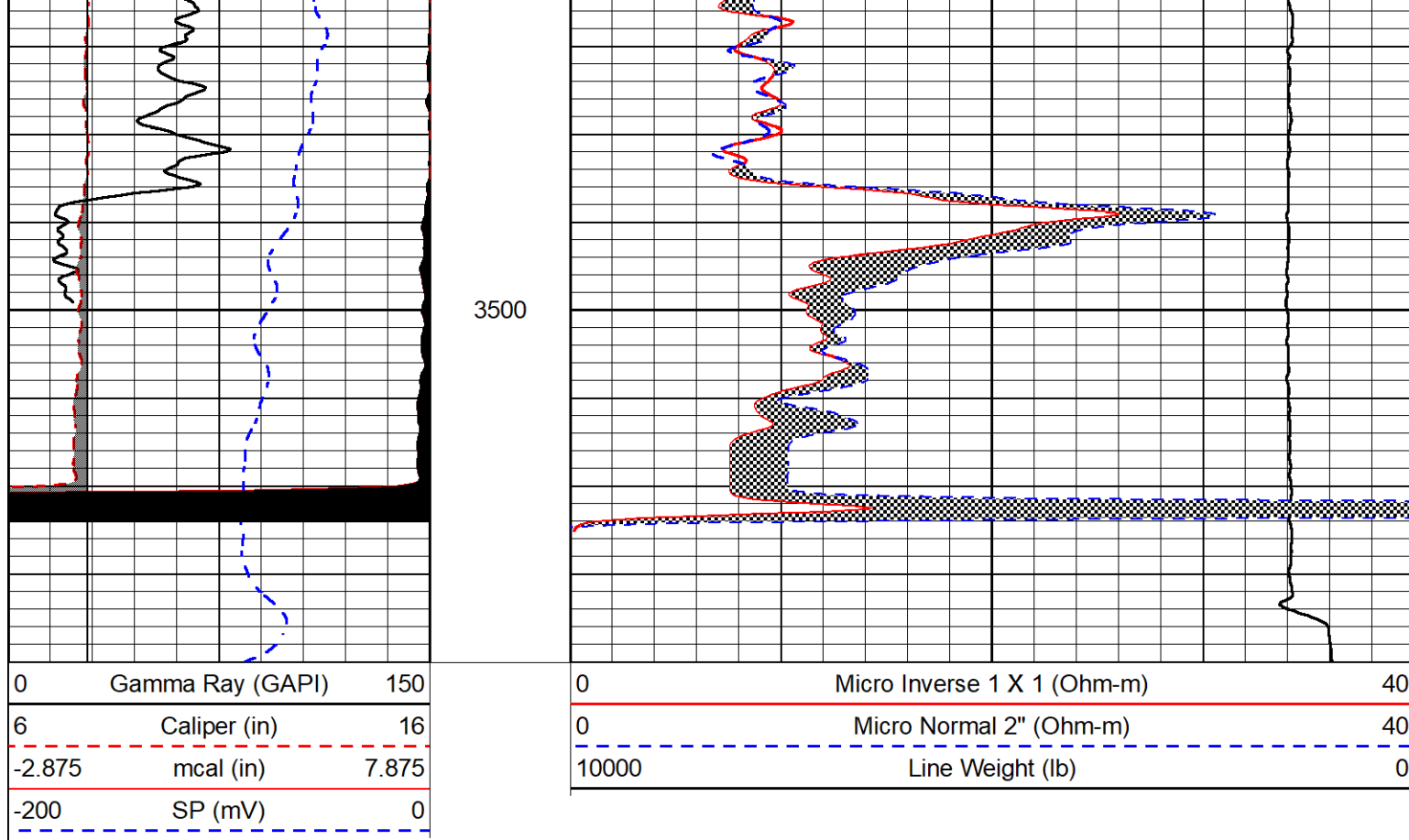


3350

3400

3450





Calibration Report

Database File rp nixon_leiker twin 6.db
 Dataset Pathname stkml/pass3.12
 Dataset Creation Sun Mar 20 01:47:45 2022

Dual Induction Calibration Report

Serial-Model: 501 HT-M&W
 Surface Cal Performed: Wed Feb 23 19:44:50 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-38.000
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.290	-31.500

Microlog Calibration Report

Serial-Model: 402-PSIML
 Performed: Mon Jan 24 20:31:16 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	35000.0000	-0.8000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	30000.0000	0.2000
Caliper	1.0052	1.0858	5.0000	16.5000	in	125.0000	-122.2000

Compensated Density Calibration Report

Serial-Model: 305-05-M&W
 Source #: 20762B
 Performed: Mon Jan 24 20:31:16 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8862.47	9339.96	cps
Aluminum	2.618	g/cc	1556.73	5707.29	cps
Spine Angle = 74.19			Density/Spine Ratio = 0.477		
	Size		Reading		
Small Ring	4.00	in	1.75		
Large Ring	14.00	in	1.38		

Compensated Neutron Calibration Report

Serial-Model:	207-MW-M&W
Source #:	100046B
Master Calibration Performed:	Mon Nov 29 15:06:24 2021

Master Calibration

Detector	Readings		Target	Normalization
Short Space	6240.00	cps	1000.00 cps	1.6025
Long Space	460.00	cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number:	101	
Tool Model:	M&W	
Performed:	Mon Jan 24 19:14:46 2022	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps



Company	R. P. Nixon Operations, Inc.
Well	Leiker Twin #6
Field	Air Base
County	Ellis
State	Kansas