



MICRORESISTIVITY LOG

MIDWEST WIRELINE

Company Darrah Oil Company LLC			
Well	Keller 25C #1		
Field	Pritchard		
County	Barton		
State	Kansas		
Company Darrah Oil Company LLC			
Well	Keller 25C #1		
Field	Pritchard		
County	Barton		
State	Kansas		
Location: API #: 15-009-26324-00-00			
SEC 25 TWP 20S RGE 14W			
Permanent Datum	Ground Level	Elevation	1896
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Date		1/18/2022	
Run Number	One		
Depth Driller	3556		
Depth Logger	3550		
Bottom Logged Interval	3549		
Top Log Interval	2800		
Casing Driller	8.625 @ 293		
Casing Logger	290		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL			
Density / Viscosity			
pH / Fluid Loss			
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.55 @ 76		
Rmt @ Meas. Temp	.41 @ 76		
Rmc @ Meas. Temp	.74 @ 76		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.37 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	P-108		
Location	HAYS		
Recorded By	J. Henrickson		
Witnessed By	Saman Sharifaie		

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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.

Great Bend Kansas
5 South, East to 30 Rd, 1/2 South,
East Into

Log Measured From: Kelly Bushing

11 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: J. Henrickson
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Saman Sharifaie
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 114	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 380	degF 55	Off	ft 3350

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (303-03)	8.50	4.00	250.00
ML-PSI STKBL ML (402)			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58					
RLL3F RLL3	15.50 15.50					
CILD	8.33		DIL-M&W (504 HT)	18.25	3.50	220.00

CILM	4.50								
SP	0.20								
Dataset: darrah_keller_25c_1.db: field/well/stackml/pass4.1 Total length: 42.33 ft Total weight: 685.00 lb O.D.: 4.00 in									

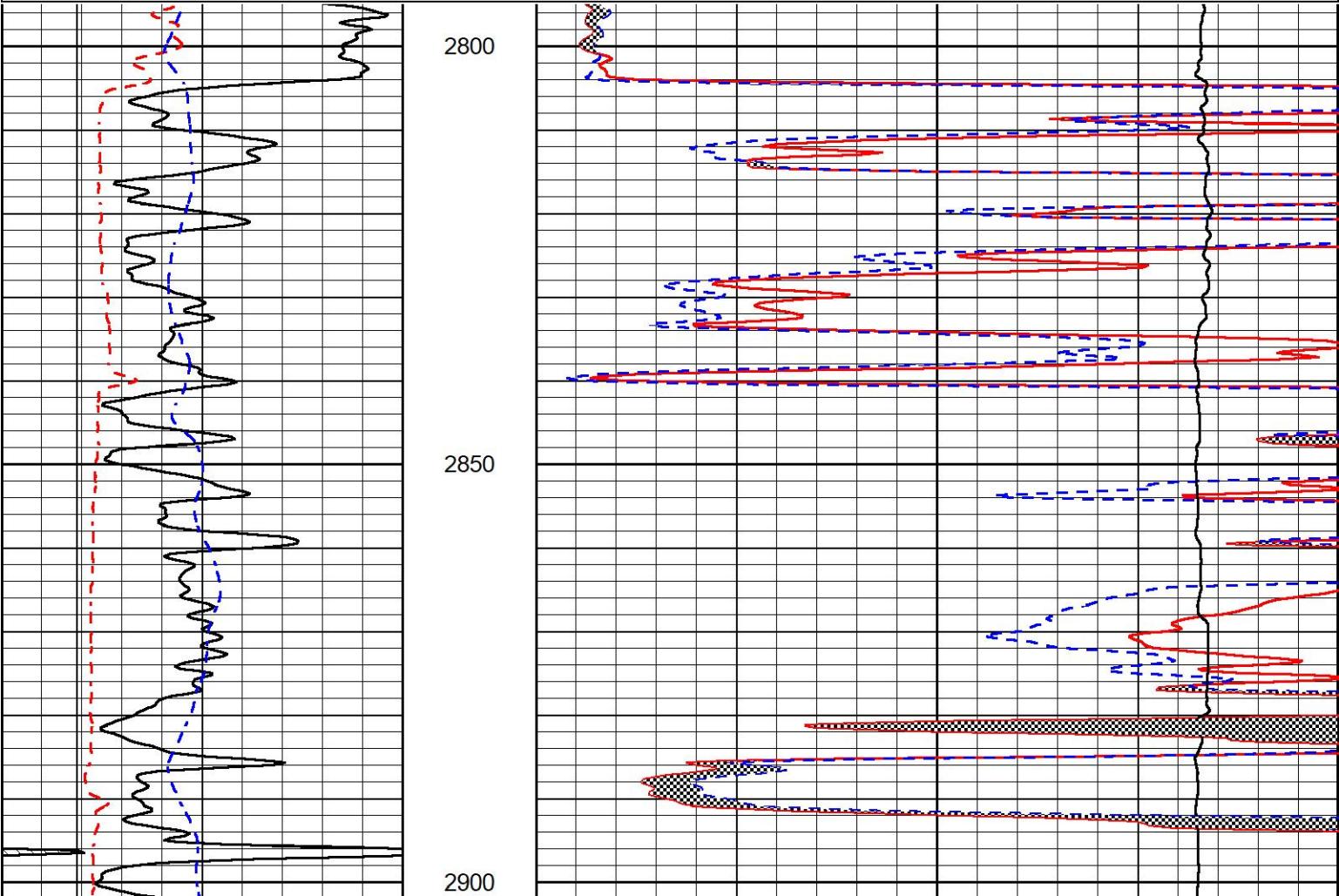


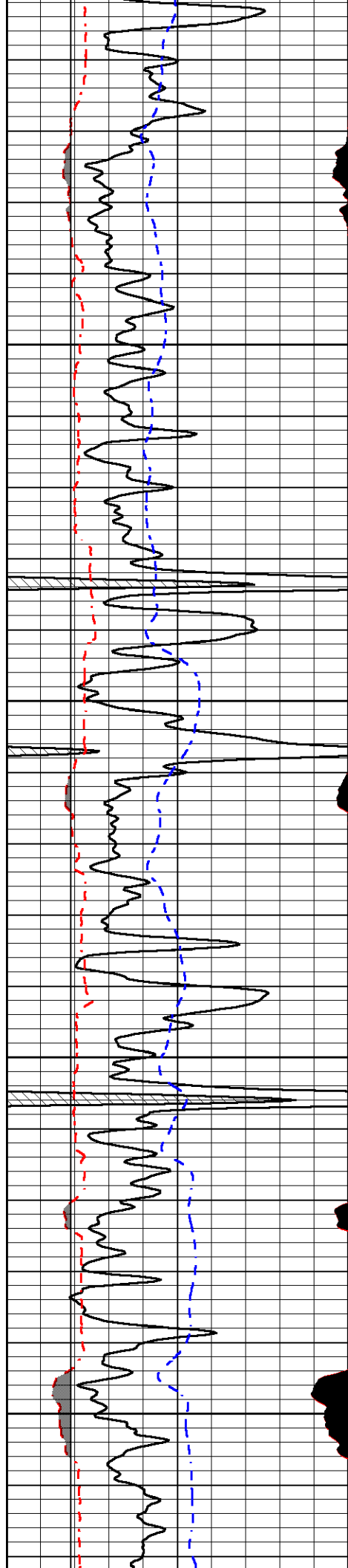
DETAIL SECTION

MAIN PASS

Database File	darrah_keller_25c_1.db
Dataset Pathname	stackml/pass4.1
Presentation Format	_micro
Dataset Creation	Tue Jan 18 09:11:10 2022
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Micro Inverse 1 X 1 (Ohm-m)	40
6	Caliper (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	mccl (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			



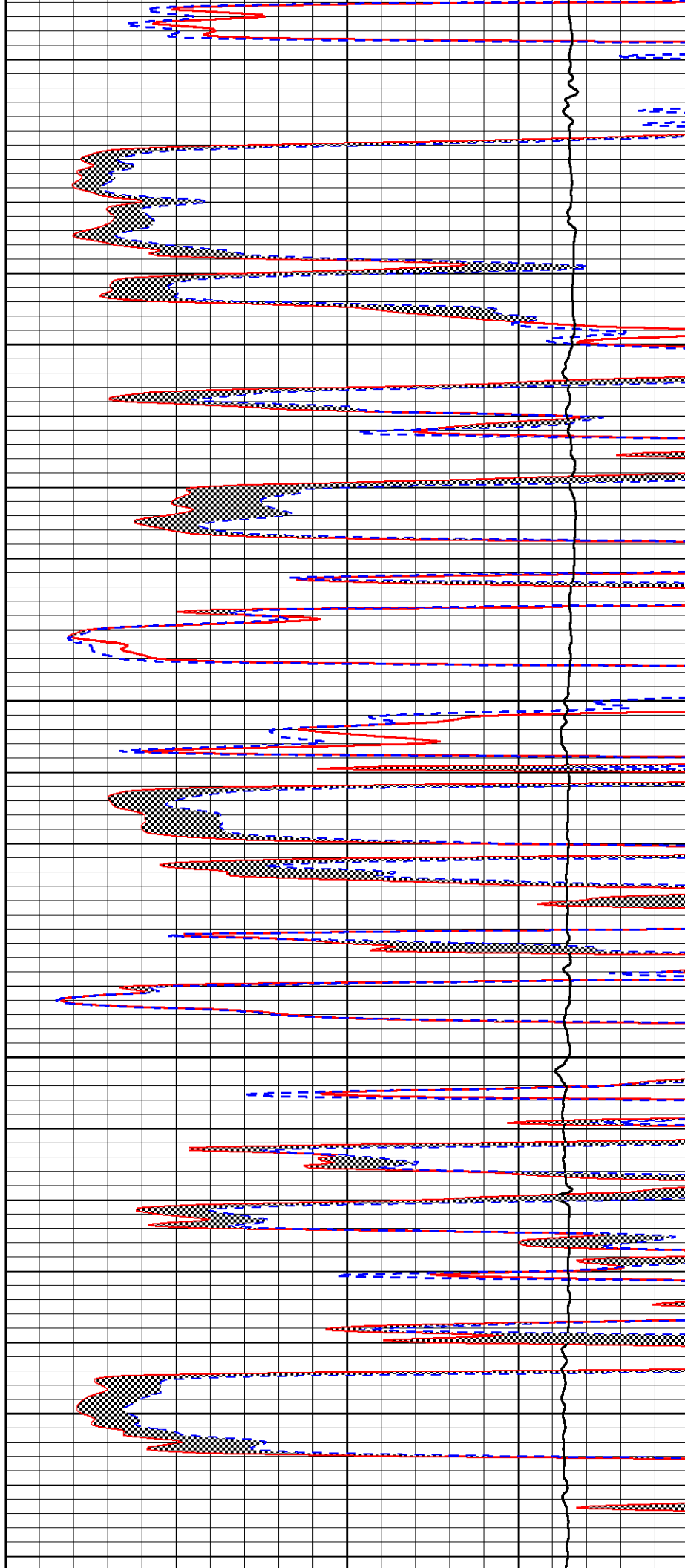


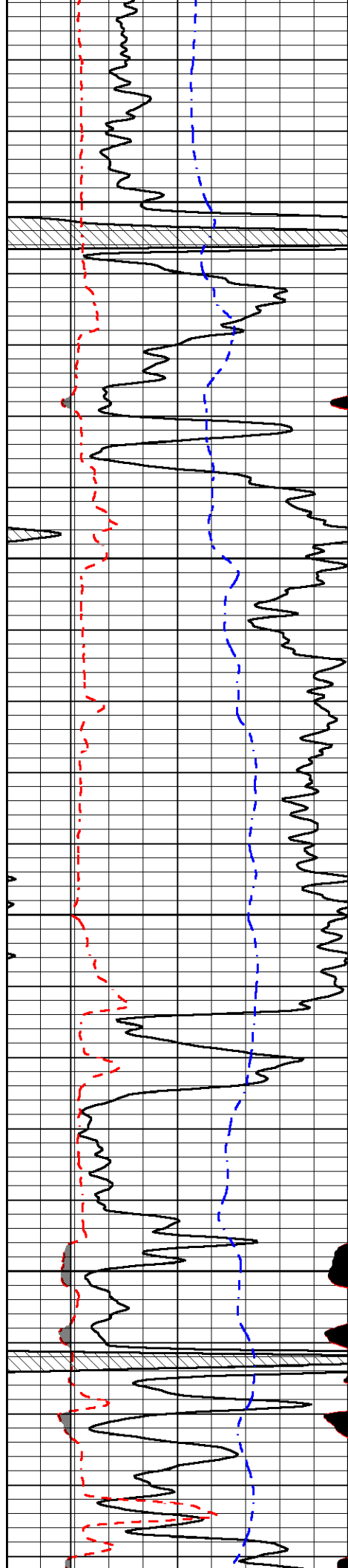
2950

3000

3050

3100



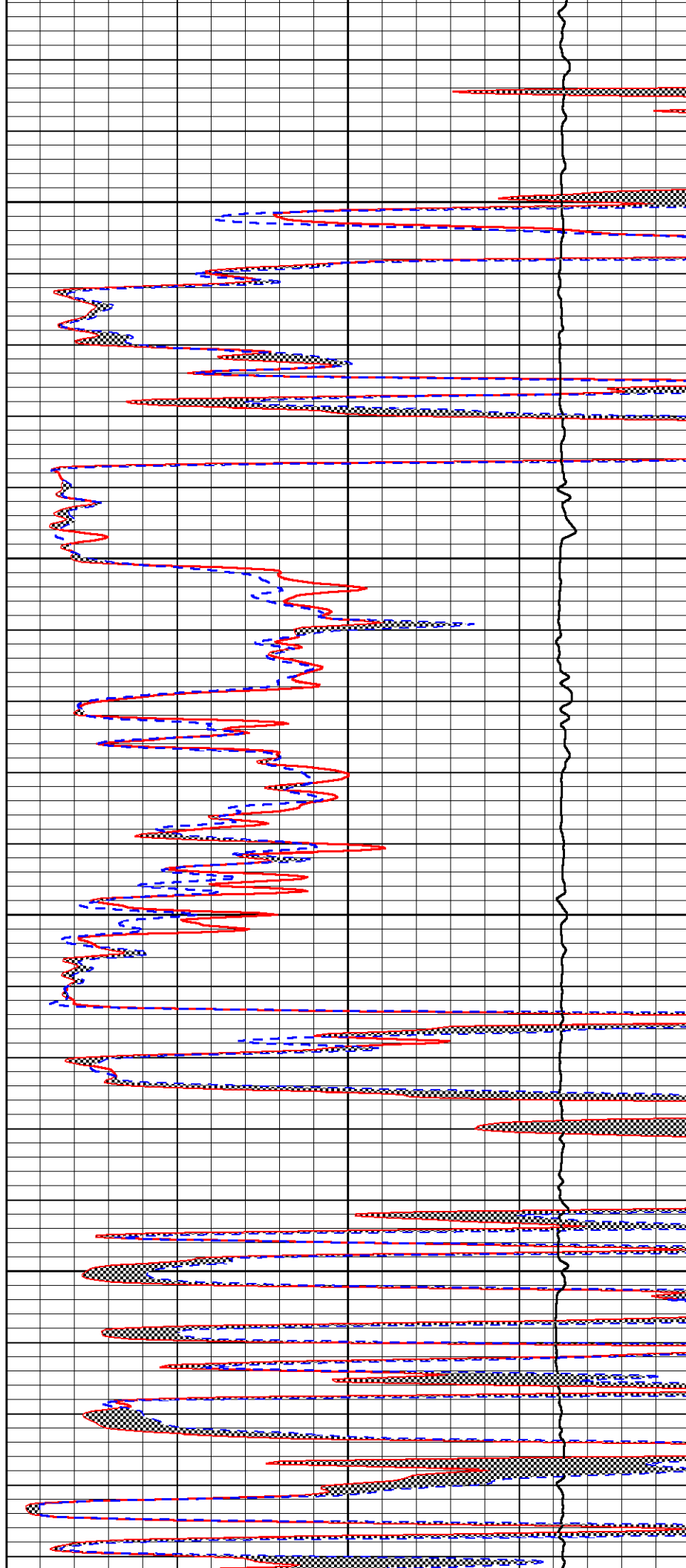


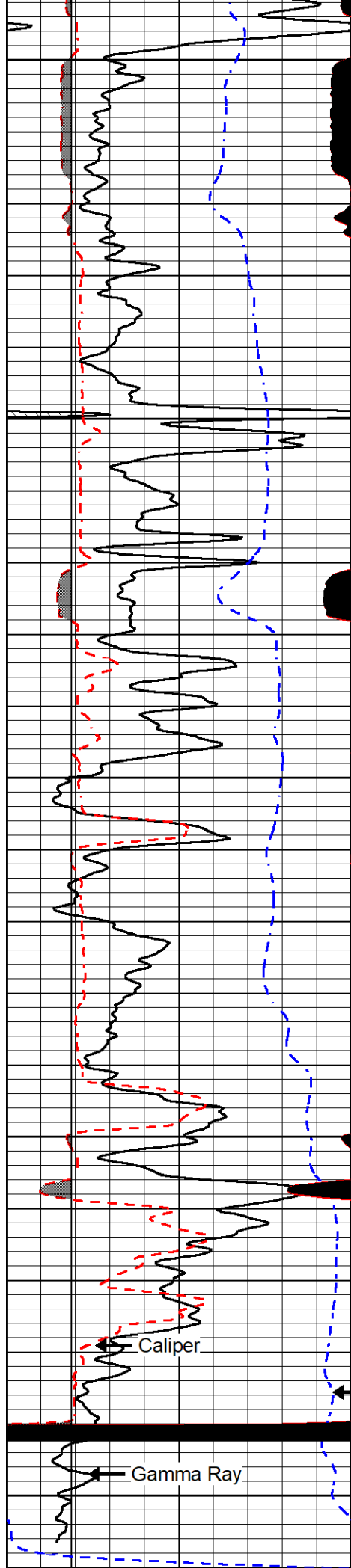
3150

3200

3250

3300





3350

3400

3450

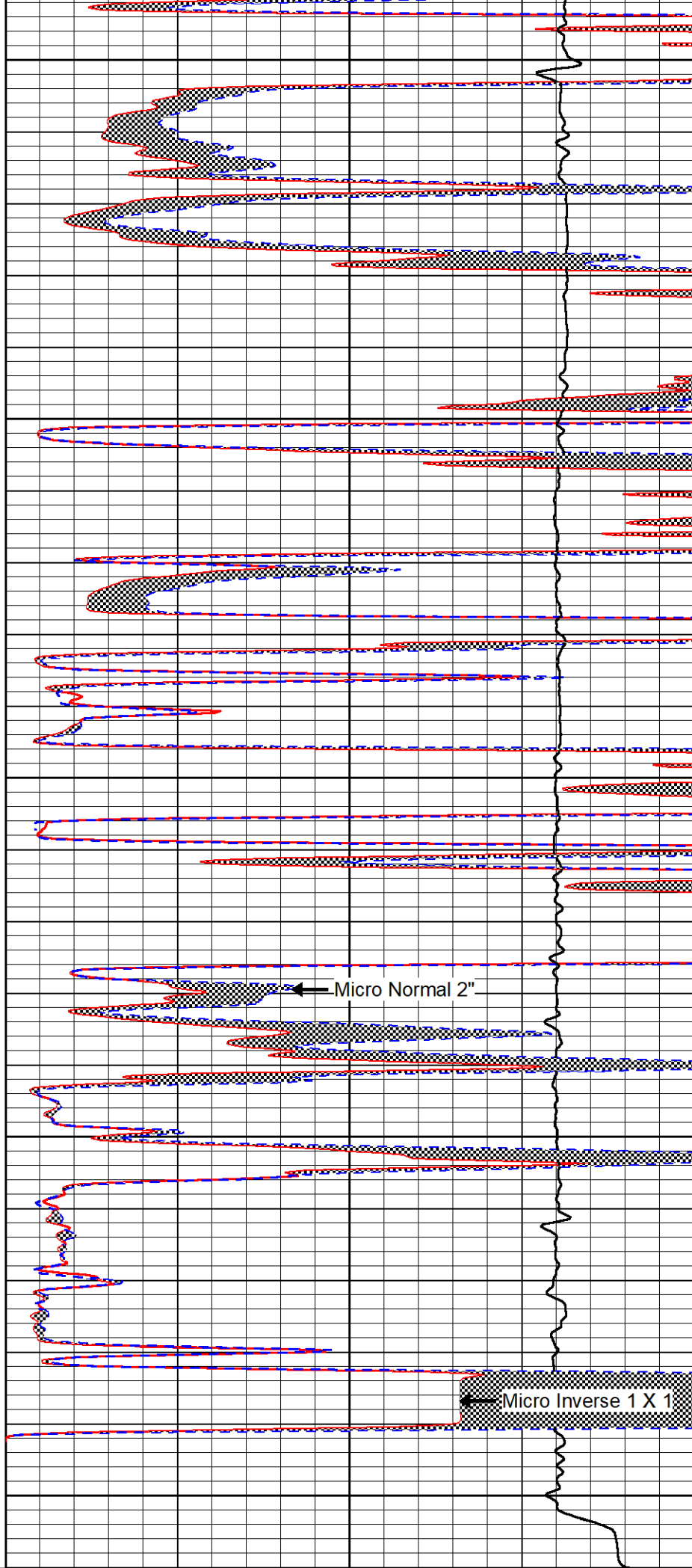
3500

SP

3550

Caliper

Gamma Ray



Micro Normal 2"

Micro Inverse 1 X 1

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



MIDWEST WIRELINE

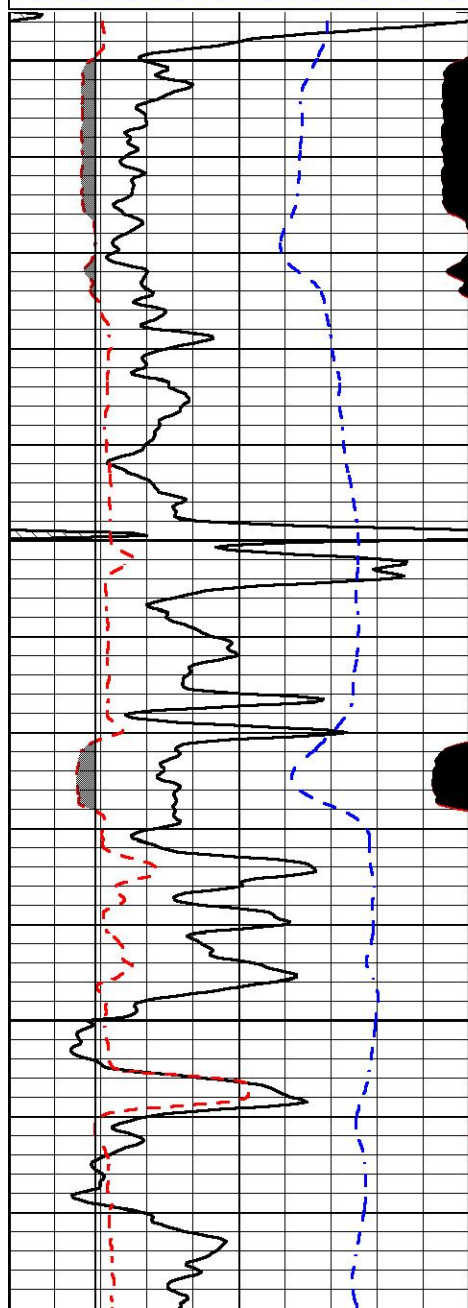
REPEAT SECTION

REPEAT PASS

Database File darrah_keller_25c_1.db
Dataset Pathname stackml/pass2.1
Presentation Format _micro
Dataset Creation Tue Jan 18 08:56:41 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

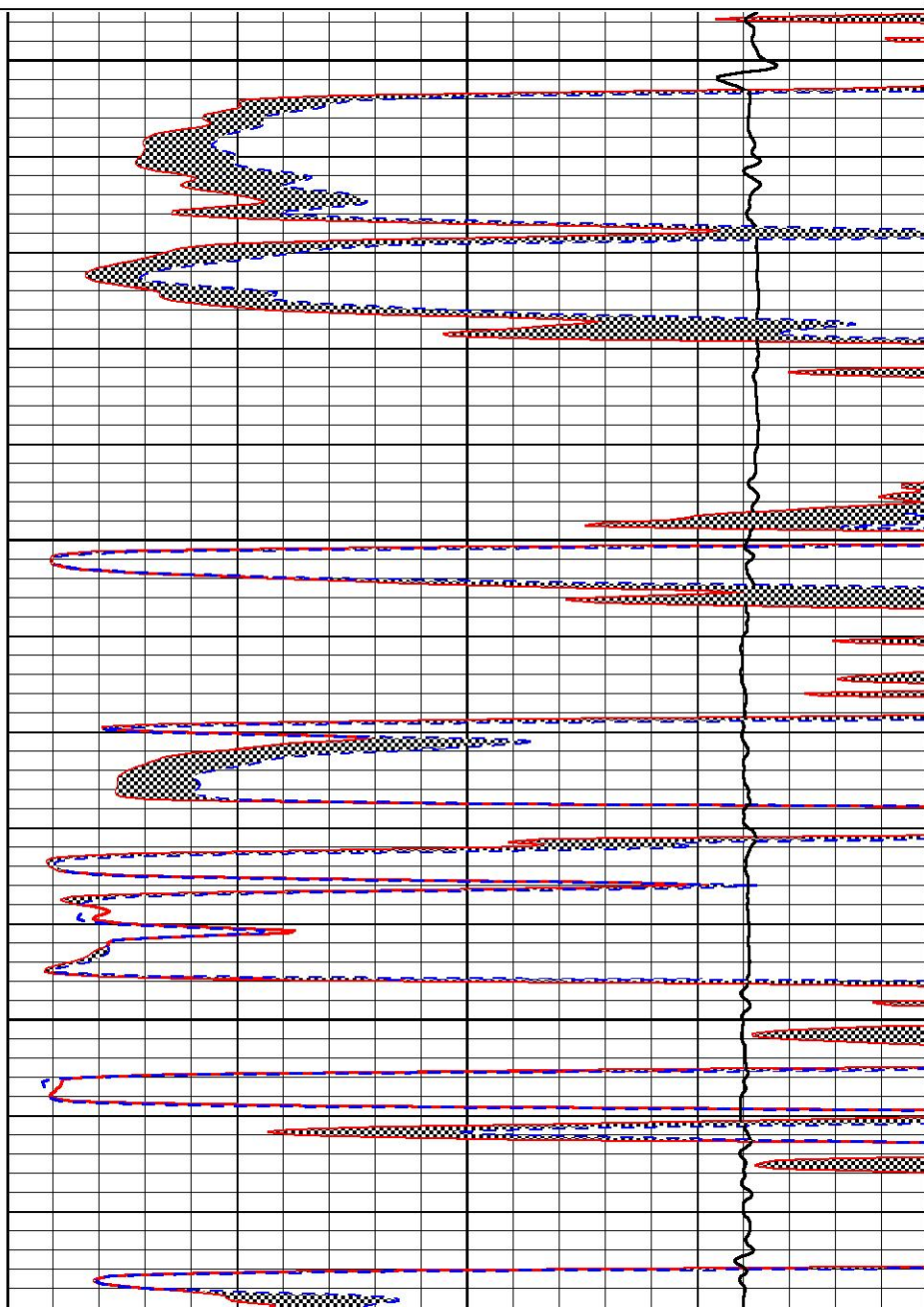
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

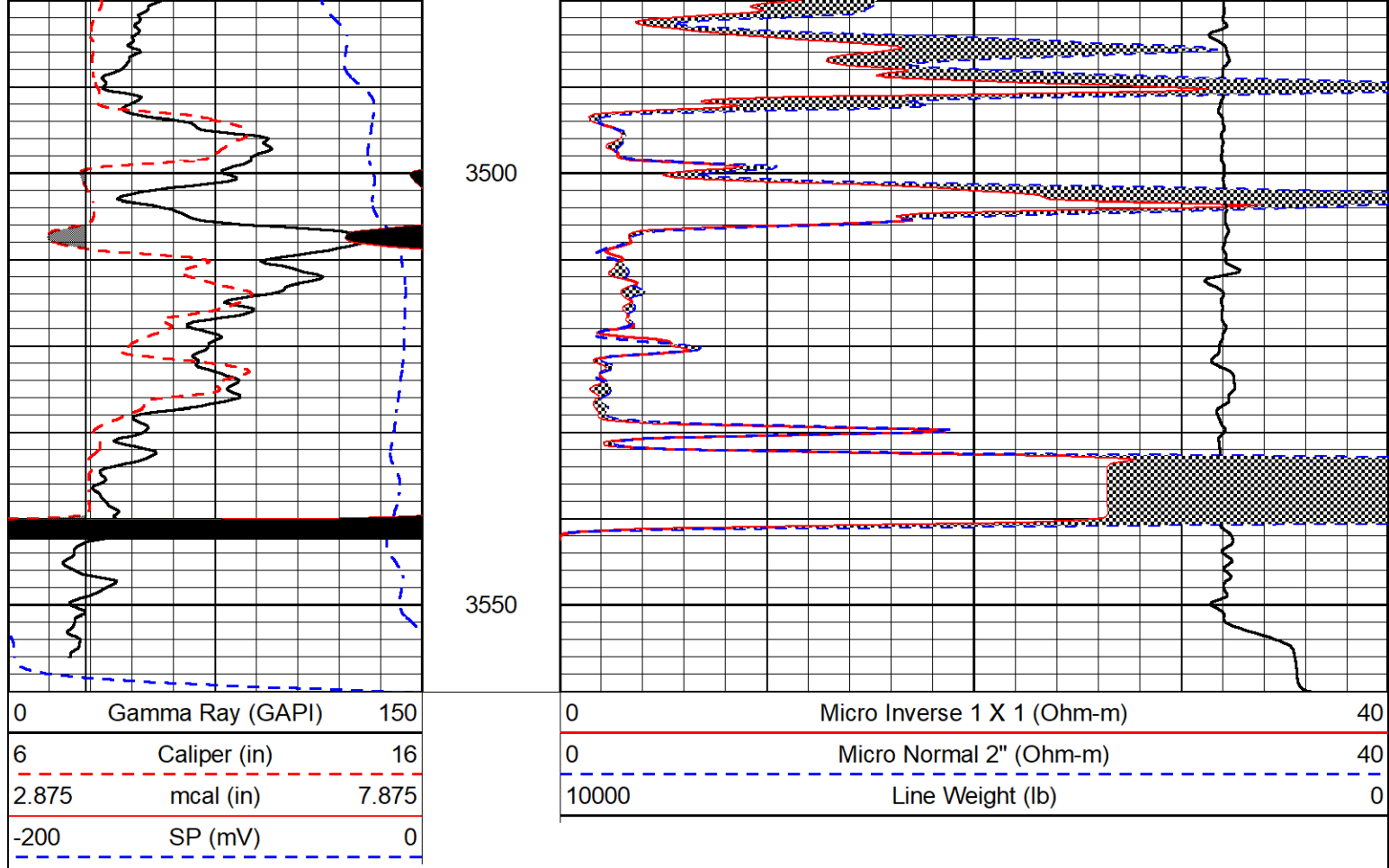


3350

3400

3450





Calibration Report

Database File darrah_keller_25c_1.db
Dataset Pathname stackml/pass4.1
Dataset Creation Tue Jan 18 09:11:10 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
Surface Cal Performed: Thu Dec 16 22:32:49 2021

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.680	-5.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500

Microlog Calibration Report

Serial-Model: 402-PSI STKBL ML
Performed: Thu Dec 16 22:29:48 2021

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	45000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	40000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.2000

Compensated Density Calibration Report

Serial-Model: 303-03-M&W

Source #:
Master Calibration Performed:

21170B
Thu Dec 16 23:28:34 2021

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.670	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.515		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.05		

Compensated Neutron Calibration Report

Serial-Model:	210-M&W
Source #:	N-1238
Master Calibration Performed:	Fri Dec 3 09:16:24 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:	103	
Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Darrah Oil Company LLC
Well	Keller 25C #1
Field	Pritchard
County	Barton
State	Kansas