



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

CompanyDarrah Oil Company LLC		Company Darrah Oil Company LLC	
Well	Panning 25A #1	Well	Panning 25A #1
Field	Pritchard	Field	Pritchard
County	Barton	County	Barton
State	Kansas	State	Kansas
Location: API #: 15-009-26325-00-00		Other Services	
579 FNL & 1579 FEL		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	1893
Log Measured From	Kelly Bushing	K.B.	1904
Drilling Measured From	Kelly Bushing	D.F.	1893
		G.L.	1893
SEC 25 TWP 20S RGE 14W			
Date	2/3/2022		
Run Number	One		
Depth Driller	3550		
Depth Logger	3538		
Bottom Logged Interval	3537		
Top Log Interval	2800		
Casing Driller	8.625 @ 295		
Casing Logger	287		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	5500		
Density / Viscosity	9.1 52		
pH / Fluid Loss	9.5 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65 @ 69		
Rmt @ Meas. Temp	.49 @ 69		
Rmc @ Meas. Temp	.88 @ 69		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.40 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	P-108		
Location	HAYS		
Recorded By	J. Henrickson		
Witnessed By	Seth Evenson		

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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, 3 1/2 East, South Into

Log Measured From: Kelly Bushing11 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: J. Henrickson	Primary Witness: Seth Evenson
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	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 190	degF 50	Off	ft 3538

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	44.25		GR-M&W (103)	3.00	3.50	50.00
CNLSC	41.15		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	40.40					
			CDL-M&W (306-06)	8.50	4.00	250.00
LSD	32.10					
DCAL	32.08					
SSD	31.60		ML-PSI UDM ML (412) Stackable Microlog Tools	11.50	4.00	215.00
MCAL	20.62					
MI	20.62					
MN	20.62					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33		DIL-M&W (504 HT)	18.25	3.50	220.00

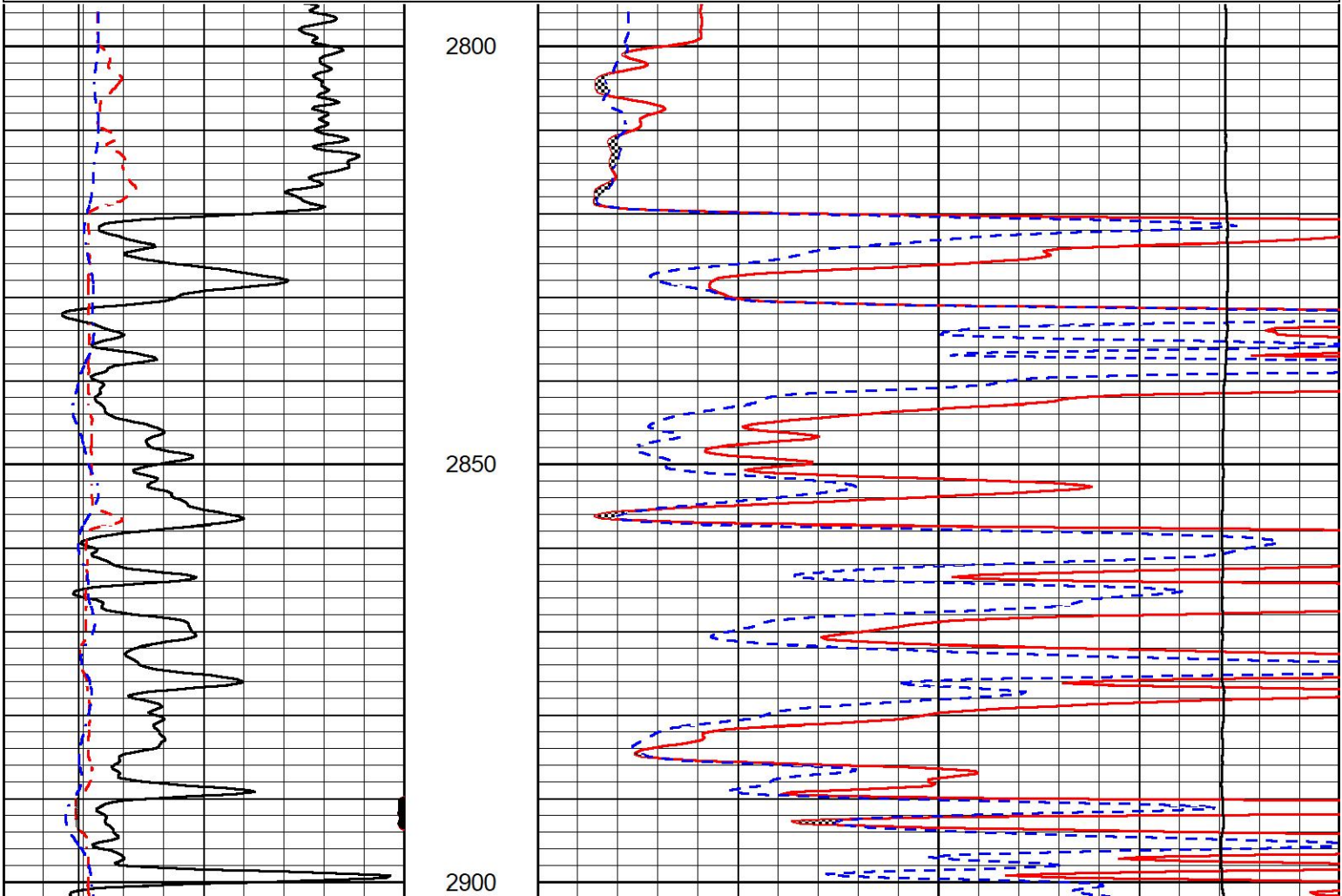
CILM	4.50								
SP	0.20								
Dataset: darrah_panning_25_a_1.db: field/well/stackml/pass1 Total length: 46.25 ft Total weight: 835.00 lb O.D.: 4.00 in									

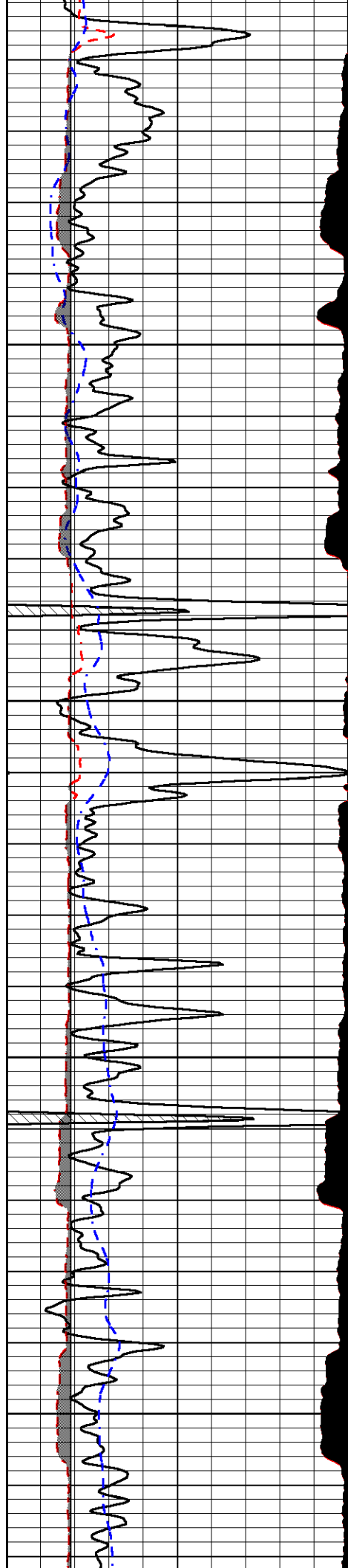
DETAIL SECTION

MAIN PASS

Database File	darrah_panning_25_a_1.db
Dataset Pathname	stackml/pass5.1
Presentation Format	_micro
Dataset Creation	Thu Feb 03 02:03:36 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			



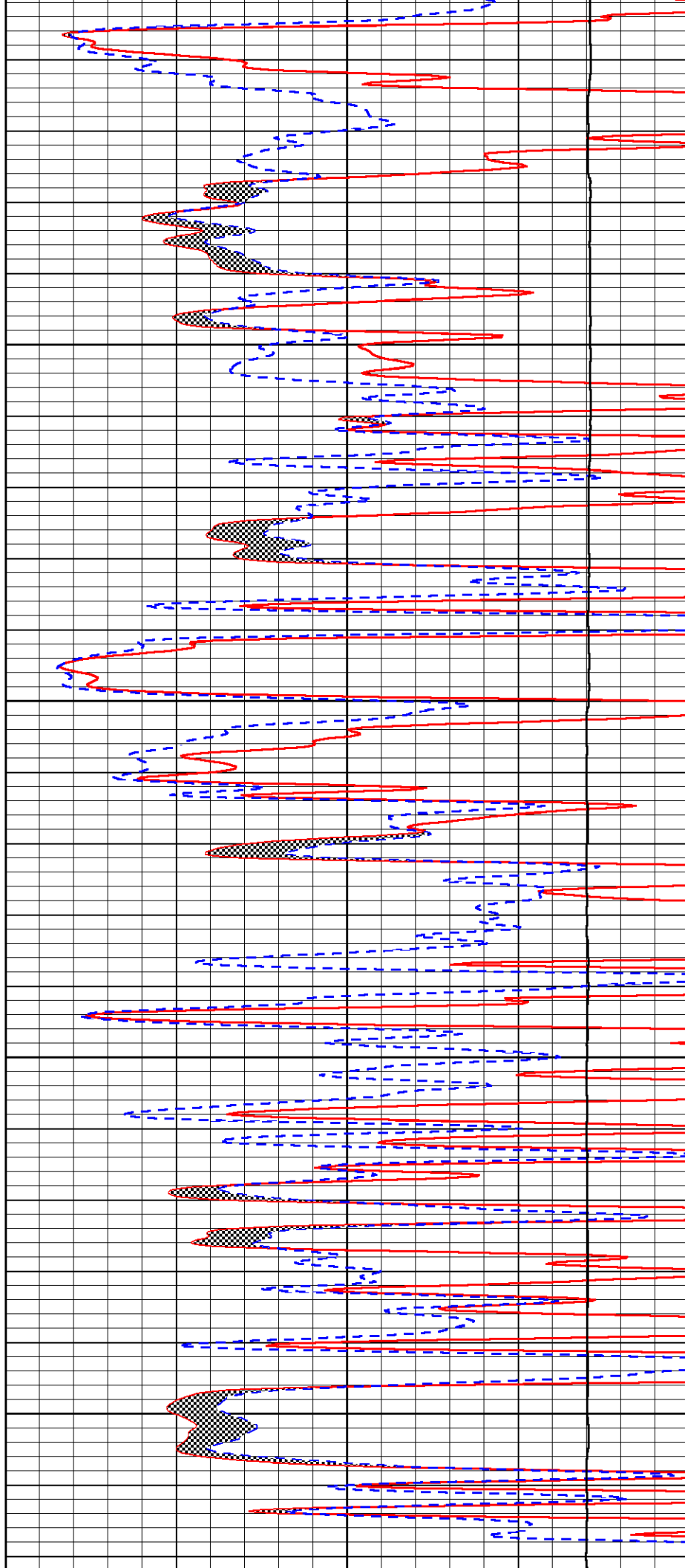


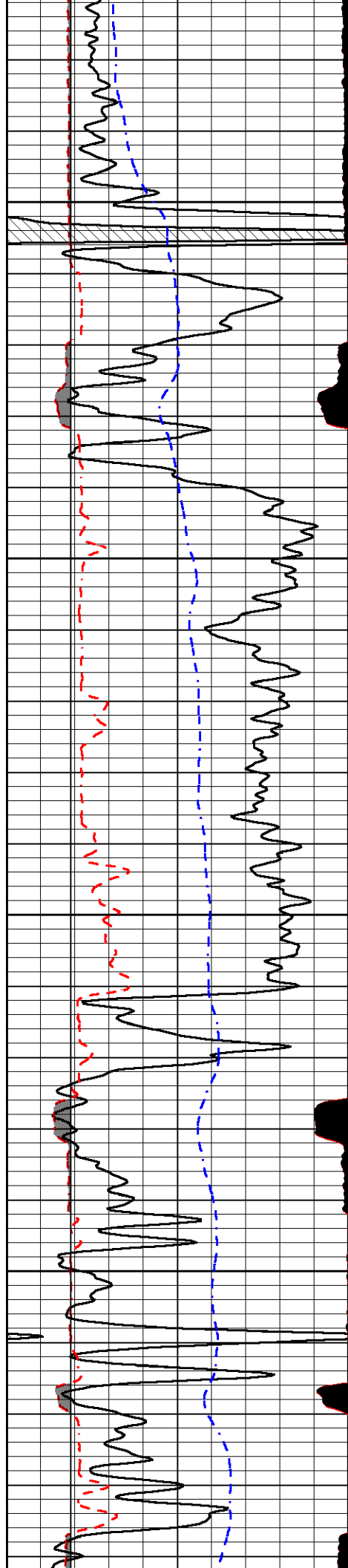
2950

3000

3050

3100



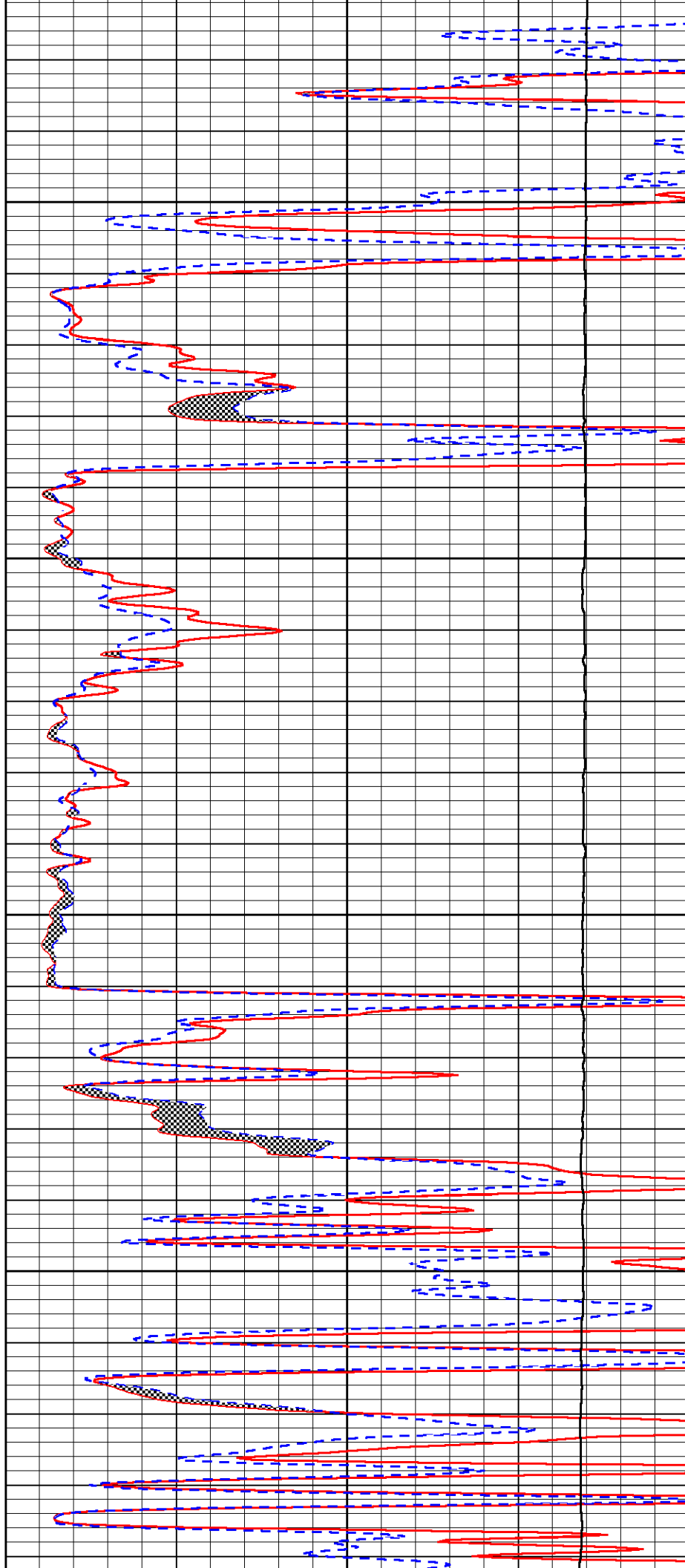


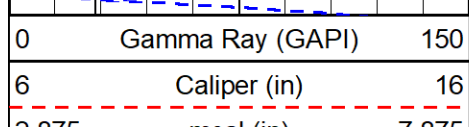
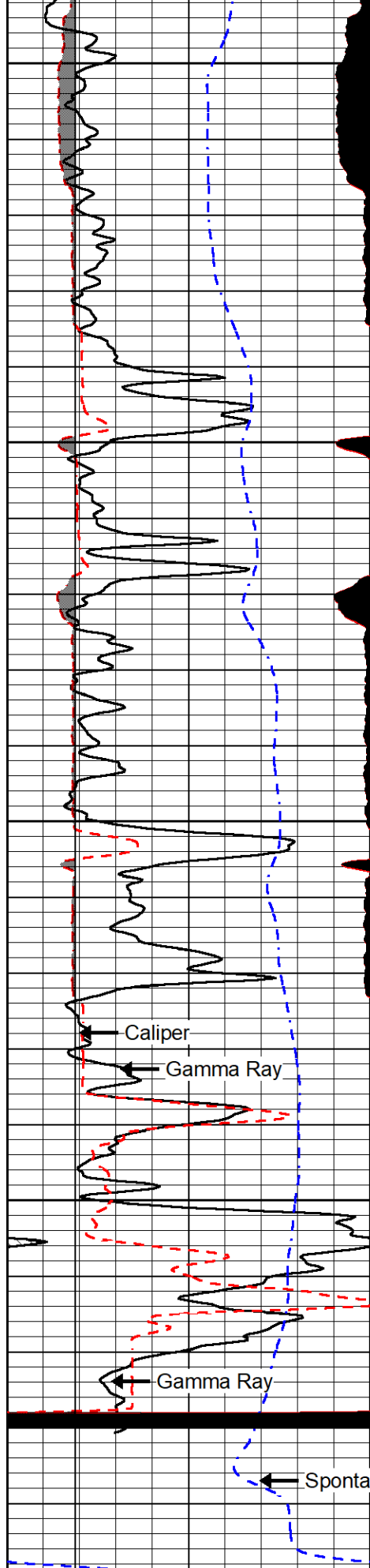
3150

3200

3250

3300





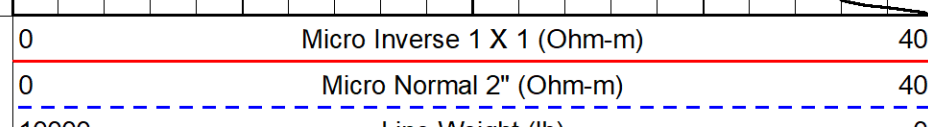
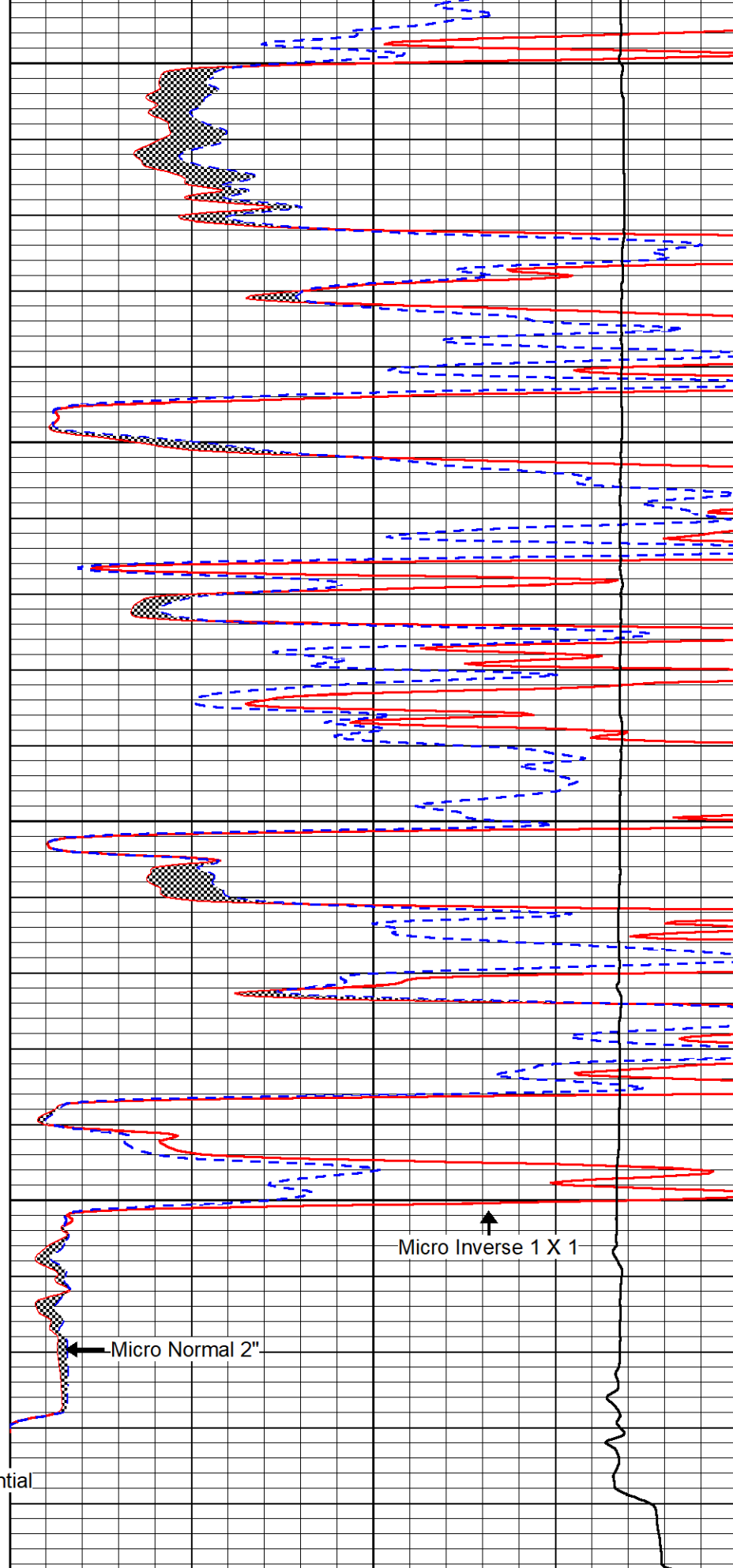
3350

3400

3450

3500

3550



Micro Inverse 1 X 1

Micro Normal 2"

2.875	mcal (in)	7.875
-200	SP (mV)	0

10000	Line Weight (lb)	0
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MIDWEST WIRELINE

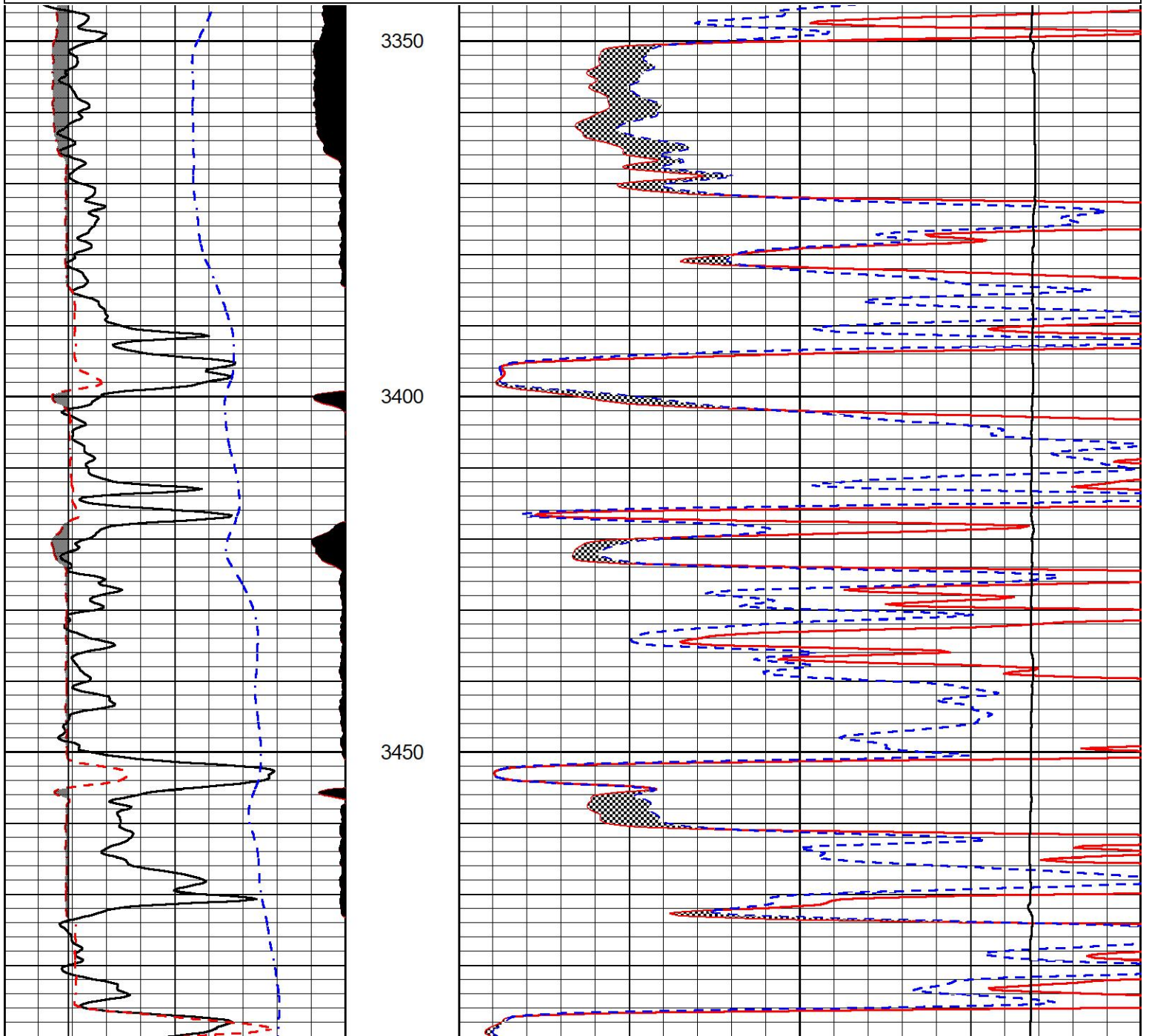
REPEAT SECTION

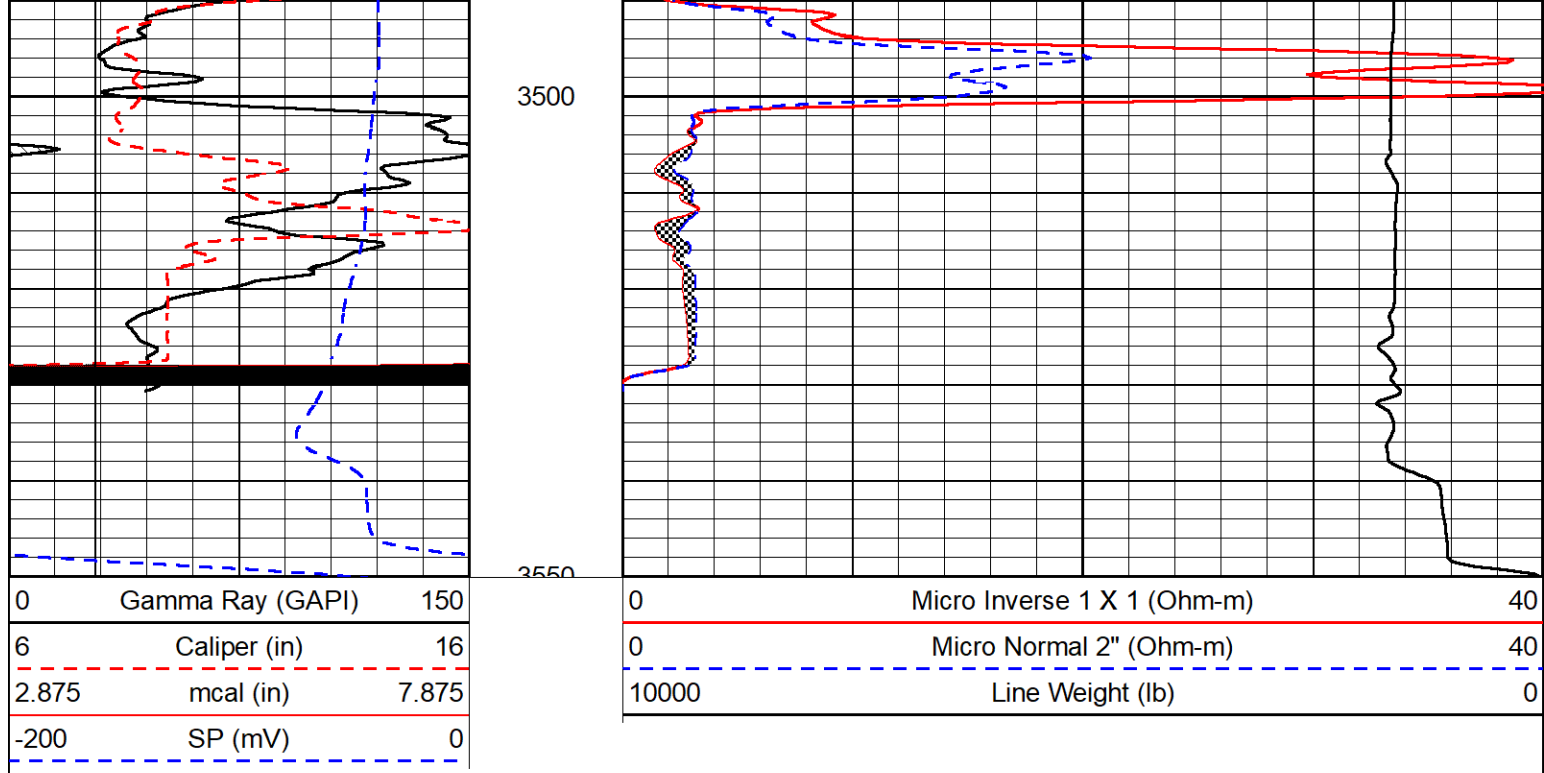
REPEAT PASS

Database File darrah_panning_25_a_1.db
Dataset Pathname stackml/pass3.1
Presentation Format _micro
Dataset Creation Thu Feb 03 02:02:45 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





Calibration Report

Database File darrah_panning_25_a_1.db
 Dataset Pathname stackml/pass5.1
 Dataset Creation Thu Feb 03 02:03:36 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	-19.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500

Microlog Calibration Report

Serial-Model: 412-PSI UDM ML
 Performed: Tue May 25 15:08:24 2021

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	0.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	16500.0000	0.0000
Caliper	1.0018	1.2624	6.0000	22.0000	in	61.4188	-55.6327

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	Panning 25A #1
Field	Pritchard
County	Barton
State	Kansas