



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Prospect Oil & Gas, Inc.		Company Prospect Oil & Gas, Inc.	
Well	Brandenstein A-1	Well	Brandenstein A-1
Field	Chase-Silica	Field	Chase-Silica
County	Rice	County	Rice
State	Kansas	State	Kansas
Location: API #: 15-159-22886-00-00		Other Services	
N2 SW NW SE 1750 FSL & 2310 FEL SEC 11 TWP 19S RGE 10W		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	1739
Log Measured From	Kelly Bushing	K.B.	1747
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	1739
Date	7/9/2022		
Run Number	One		
Depth Driller	3350		
Depth Logger	3349		
Bottom Logged Interval	3348		
Top Log Interval	2600		
Casing Driller	8.625 @ 309		
Casing Logger	308		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5500		
Density / Viscosity	9.3 55		
pH / Fluid Loss	10.5 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.7 @ 76		
Rmf @ Meas. Temp	0.53 @ 76		
Rmc @ Meas. Temp	0.95 @ 76		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.49 @ 109		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	109		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Brad Hutchinson		

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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.

Hwy 4 and Chase Blktp, 6.5 S to Rd H,
2 W, 1/2 S, W 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		This Log Record Was Witnessed By	
Engineer: T. Martin		Primary Witness: Brad Hutchinson	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Log Variables

DatabaseC:\ProgramData\Warrior\Data\prospect_brandenstein a-1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	109	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	228	90		3349

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



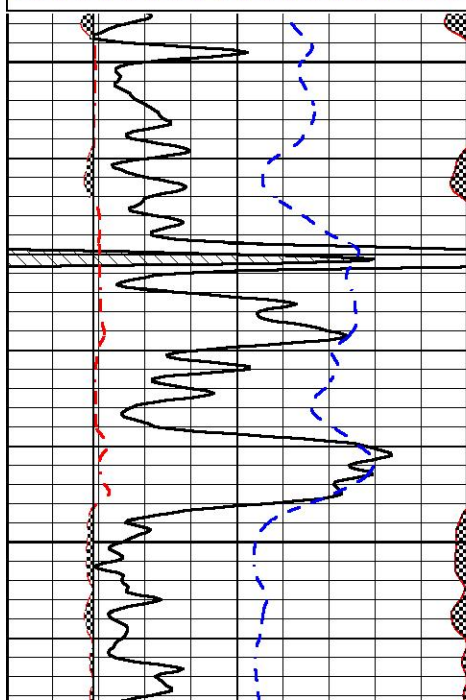
DETAIL SECTION

MAIN PASS

Database File prospect_brandenstein a-1.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Sat Jul 09 18:05:05 2022
Charted by Depth in Feet scaled 1:240

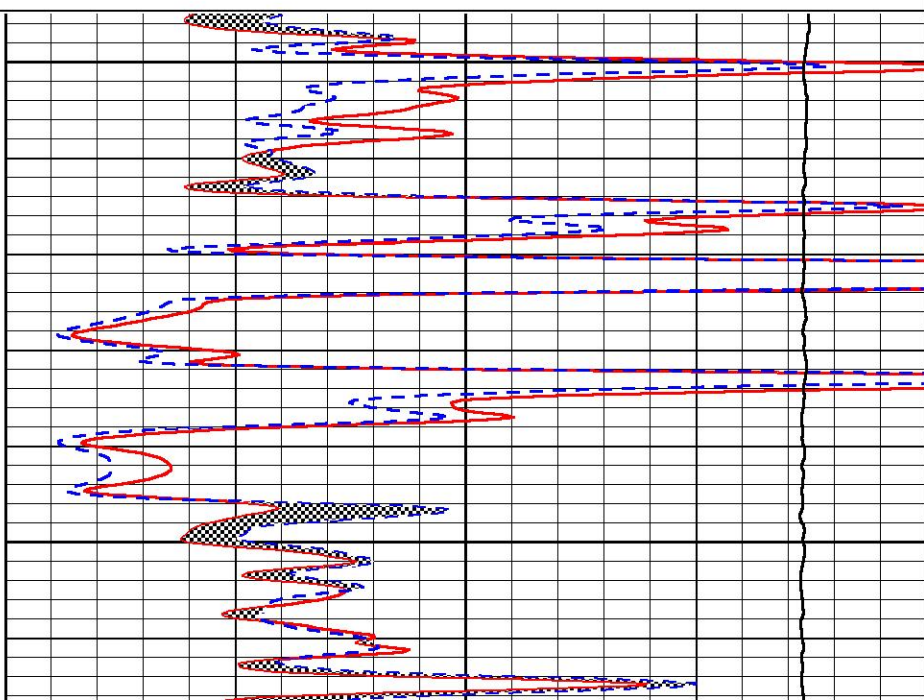
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

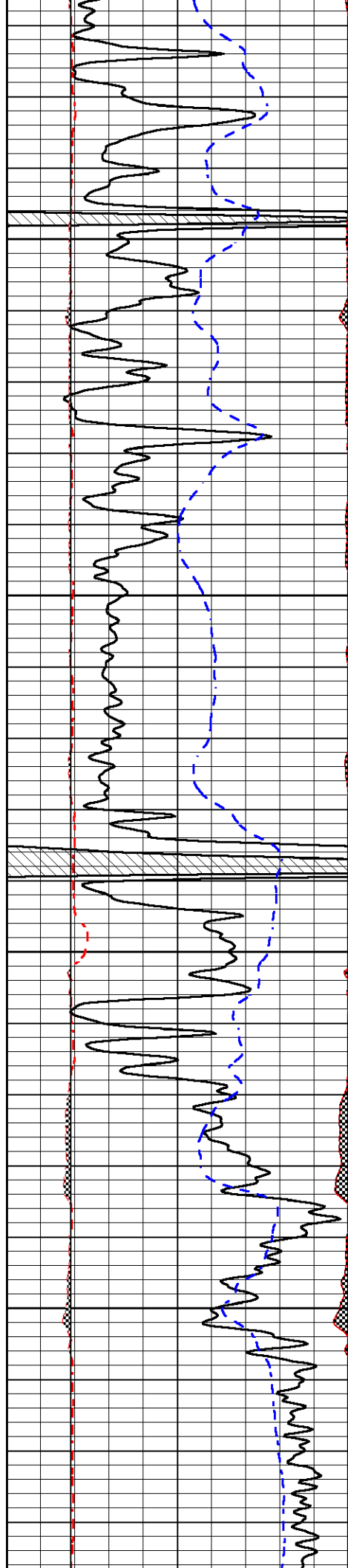
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2600

2650



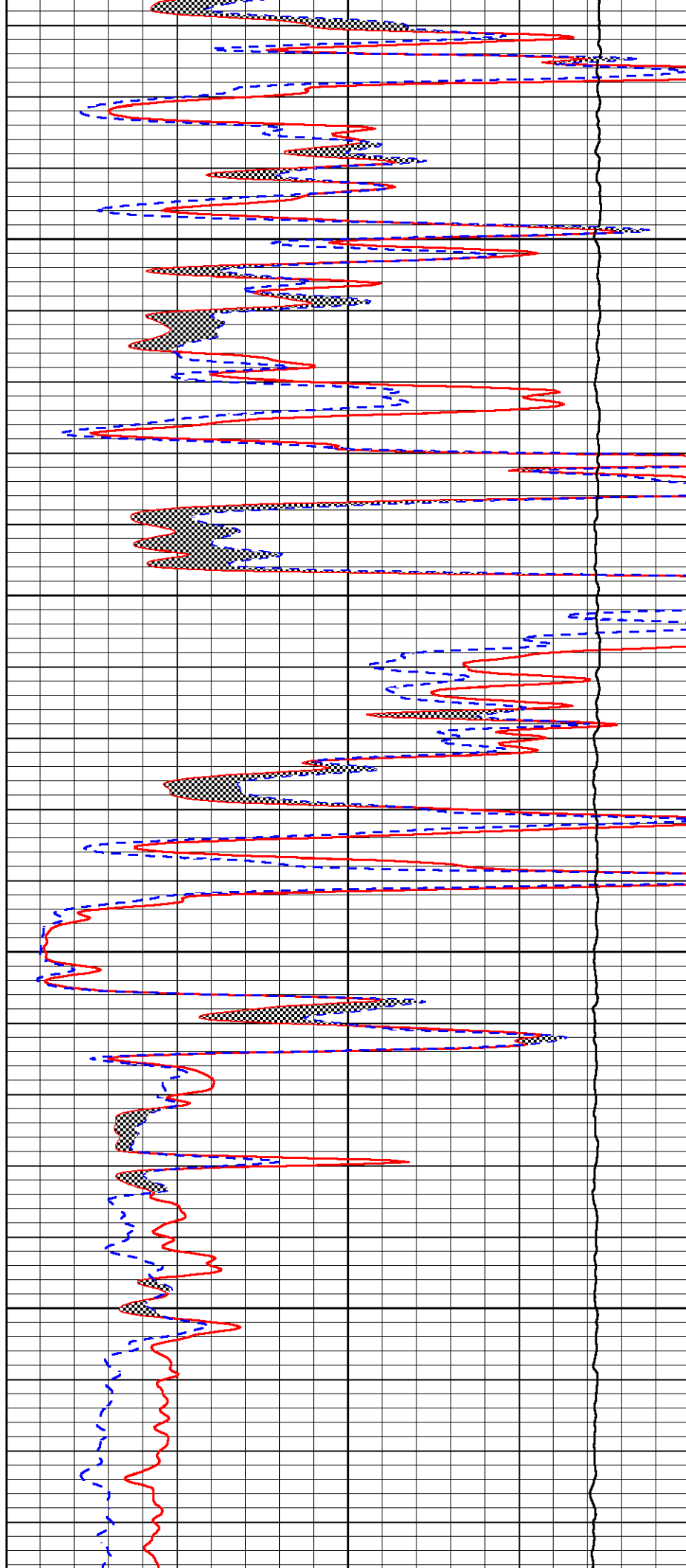


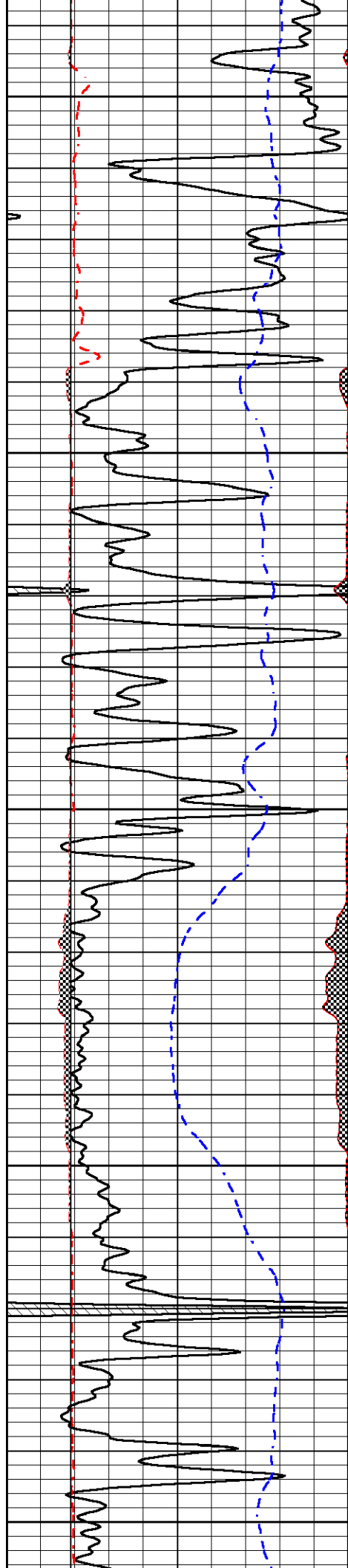
2700

2750

2800

2850





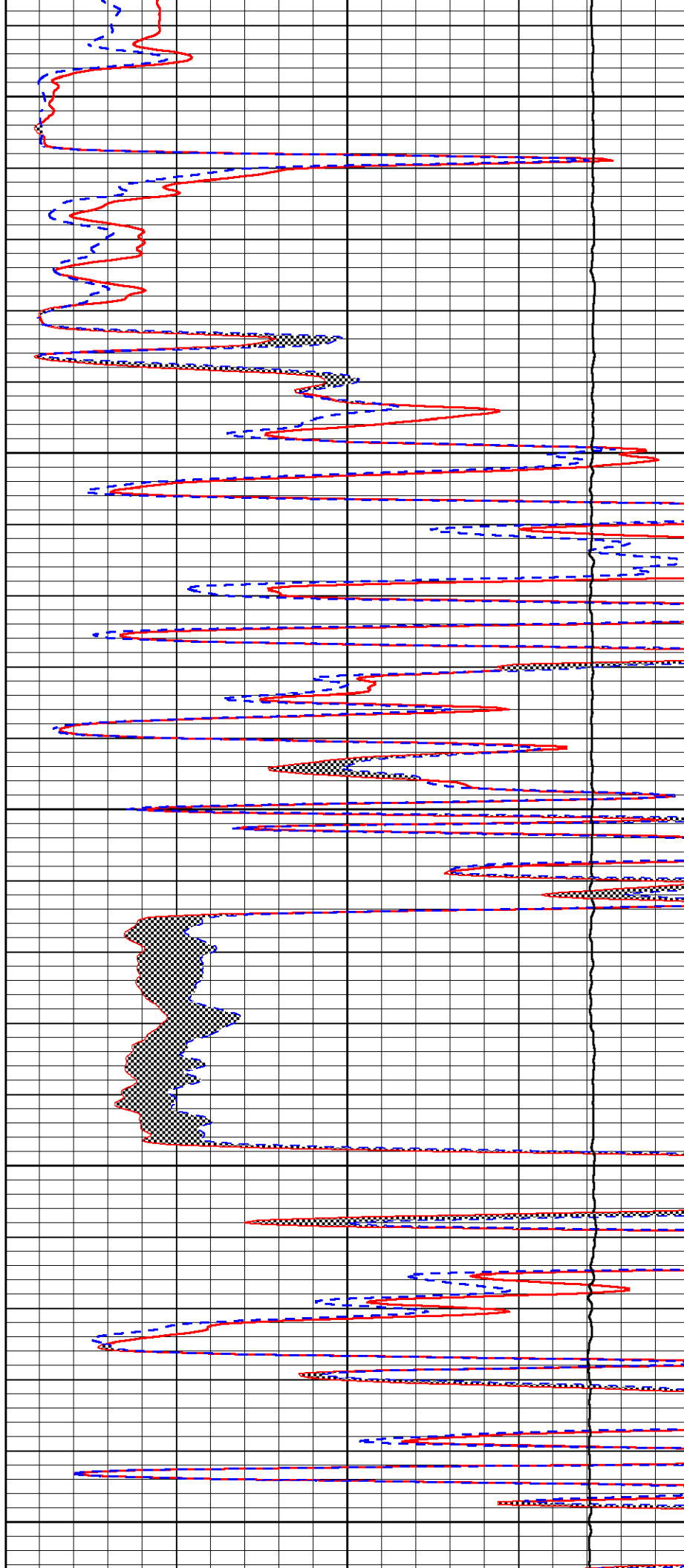
2900

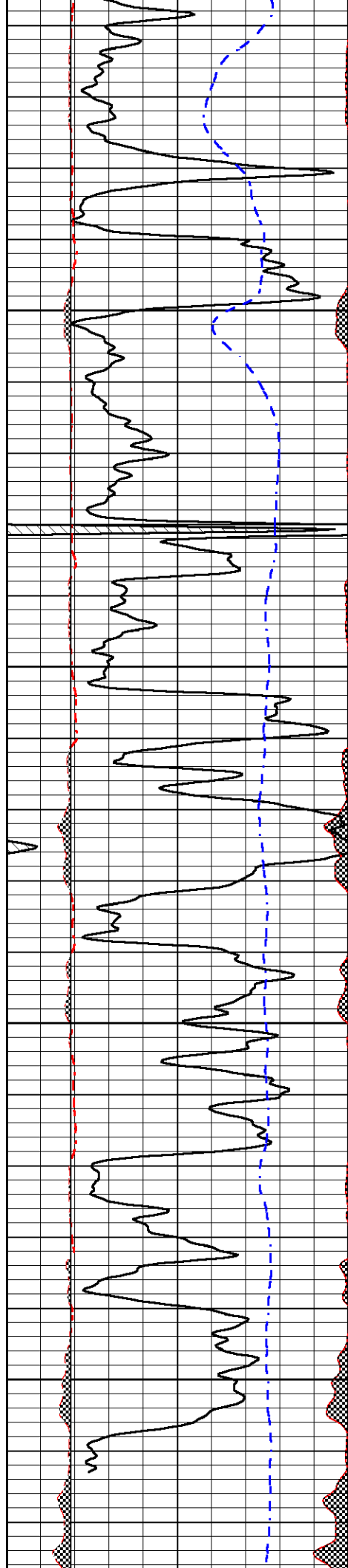
2950

3000

3050

3100



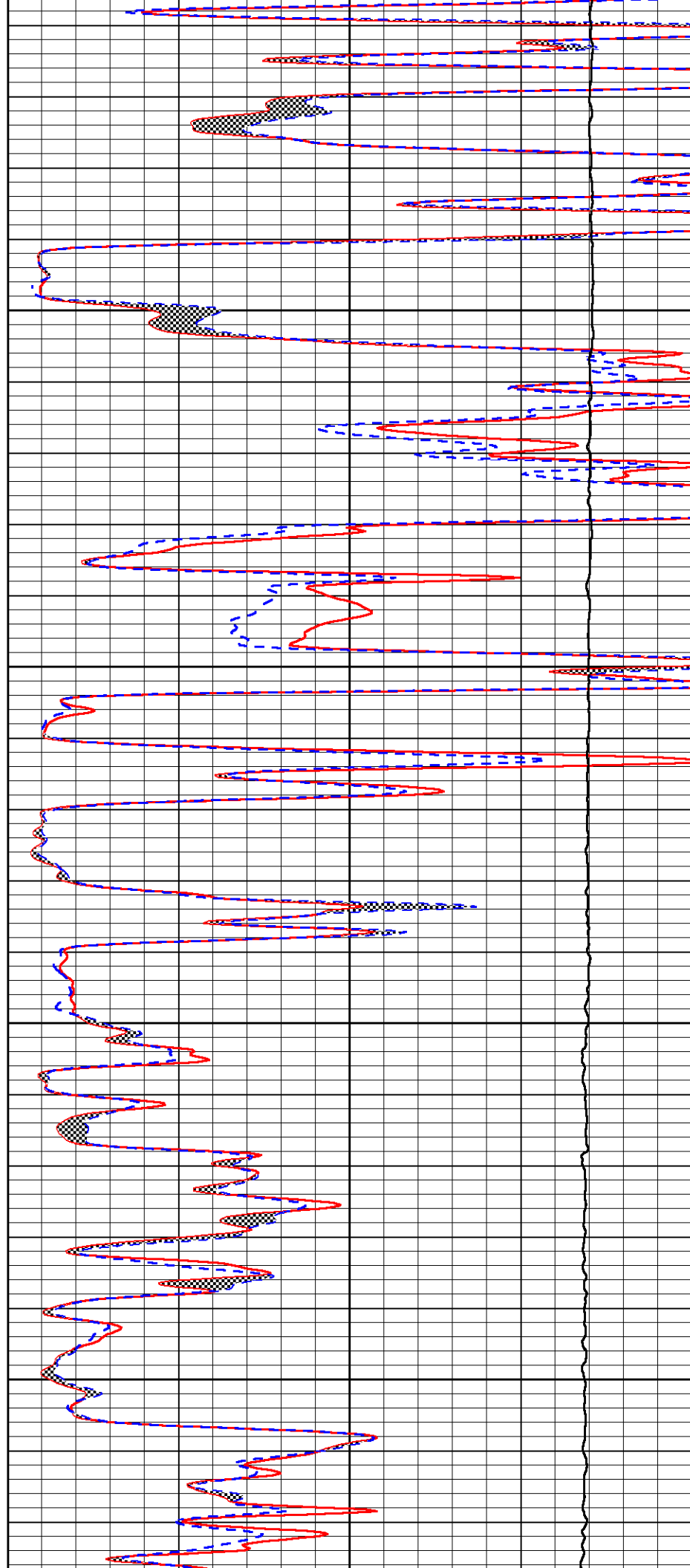


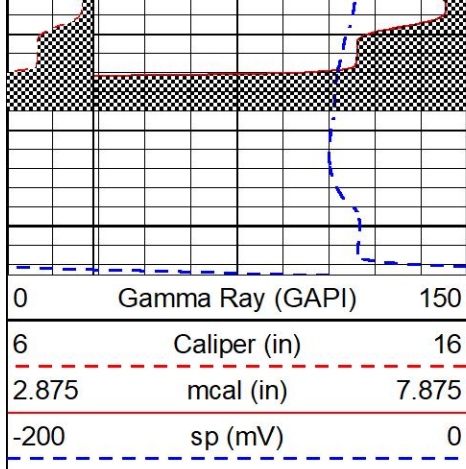
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3200

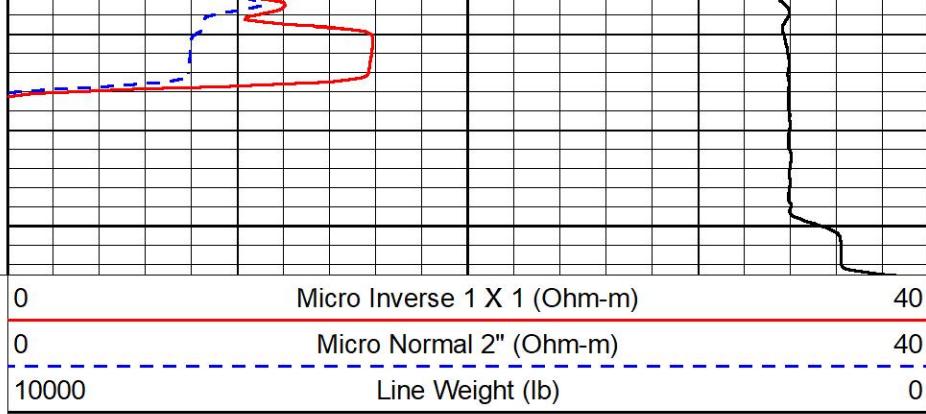
3250

3300





3350

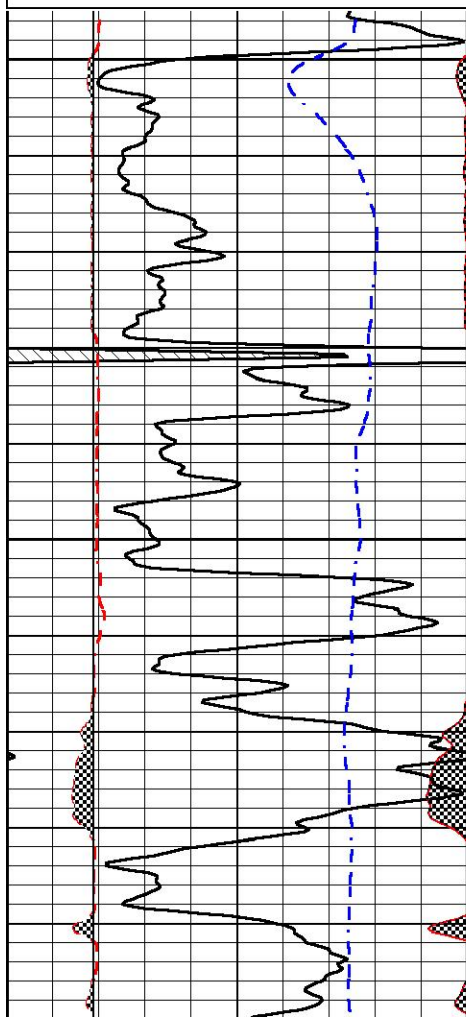
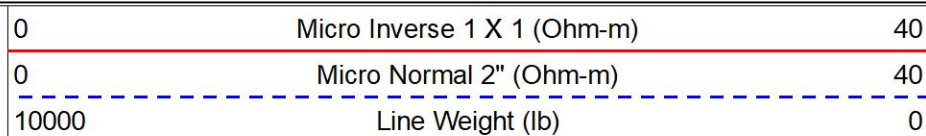
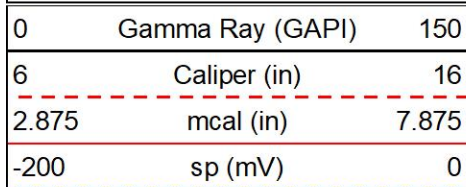


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REPEAT SECTION

REPEAT PASS

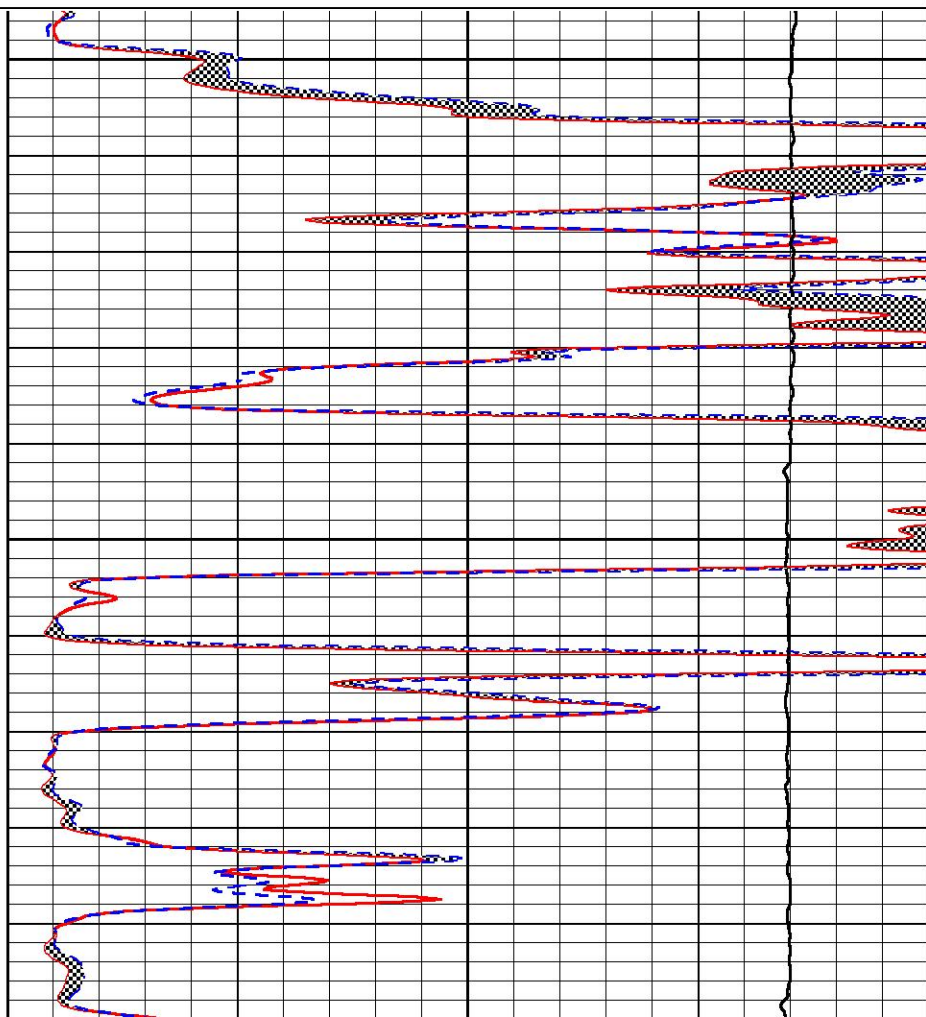
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 Presentation Format _micro
 Dataset Creation Sat Jul 09 17:29:36 2022
 Charted by Depth in Feet scaled 1:240

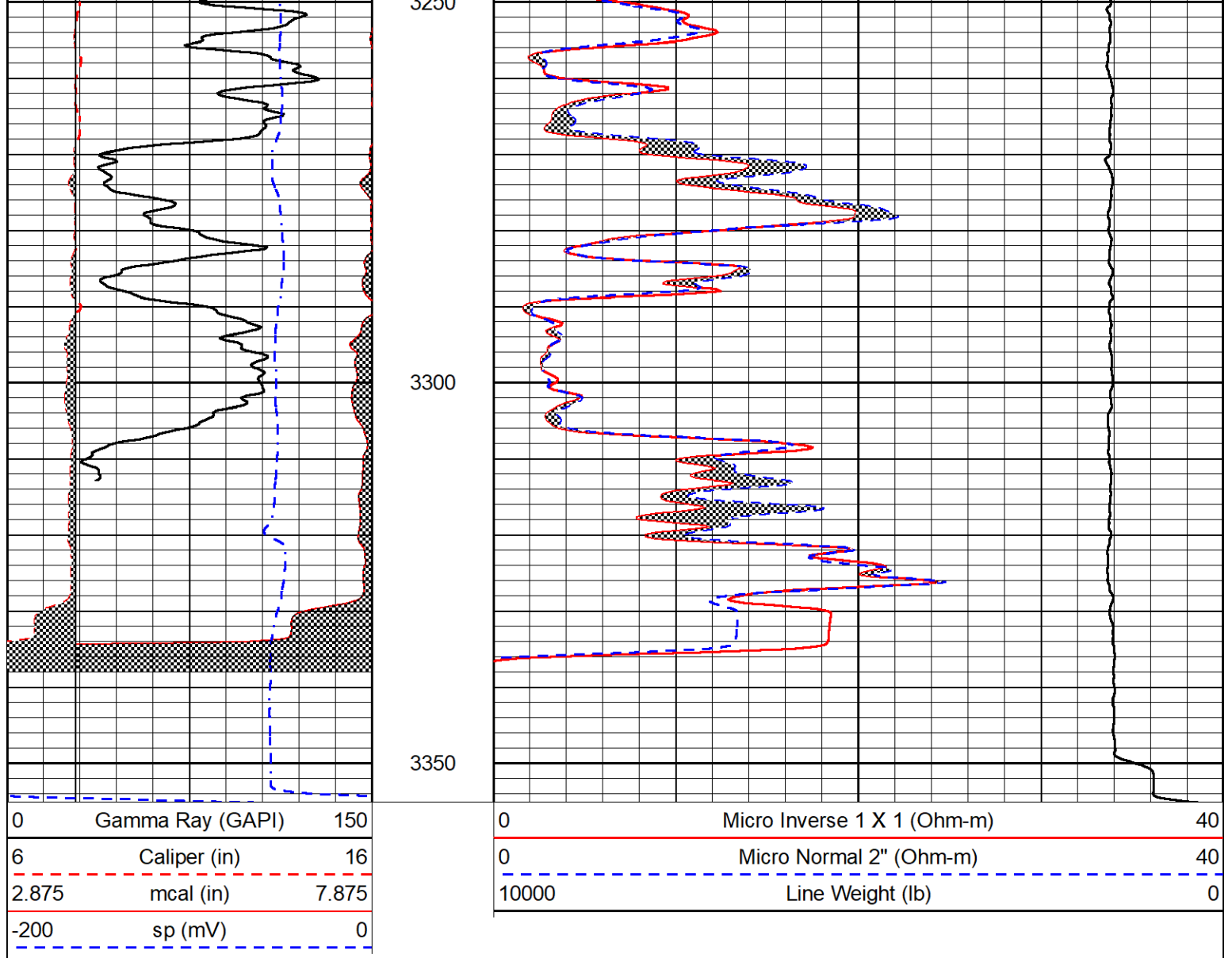


3150

3200

3250





Calibration Report							
Database File	prospect_brandenstein a-1.db						
Dataset Pathname	StkMI/pass3.1						
Dataset Creation	Sat Jul 09 18:05:05 2022						
Dual Induction Calibration Report							
Serial-Model:		507-M&W					
Surface Cal Performed:		Sat Jul 9 16:55:02 2022					
Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
	Deep	82.972 482.449	0.000	255.800	mmho/m	0.640	-28.131
	Medium	120.285 668.174	0.000	255.800	mmho/m	0.517	-68.159
Microlog Calibration Report							
Serial-Model:		401-PSIML					
Performed:		Mon Jun 27 17:53:09 2022					
	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b

Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	25000.0000	-1.5000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	-0.5000
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-138.8000

Compensated Density Calibration Report							
Serial-Model:				302-02-M&W			
Source #:				20762B			
Master Calibration Performed:				Wed Jun 22 01:19:51 2022			

Master Calibration							
		Density		Far Detector		Near Detector	
Magnesium		1.755	g/cc	4422.04		6163.44	cps
Aluminum		2.665	g/cc	835.14		3912.91	cps
Spine Angle = 74.75				Density/Spine Ratio = 0.527			
		Size		Reading			
Small Ring		8.00	in	0.53			
Large Ring		30.00	in	0.60			

Compensated Neutron Calibration Report							
Serial Number:				207-MW			
Tool Model:				M&W			

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	

PRE-SURVEY VERIFICATION							
Detector		Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps	pu		pu	
2)	Short Space		cps				
	Long Space		cps	pu			
3)	Short Space		cps				
	Long Space		cps	pu			

POST-SURVEY VERIFICATION							
Detector		Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps	pu		pu	
2)	Short Space		cps				
	Long Space		cps	pu		pu	
3)	Short Space		cps				
	Long Space		cps	pu		pu	

Gamma Ray Calibration Report							
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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	Prospect Oil & Gas, Inc.
Well	Brandenstein A-1
Field	Chase-Silica
County	Rice
State	Kansas