



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

CompanyAnchor Bay Petroleum LLC		CompanyAnchor Bay Petroleum LLC	
Well	S&T #1	Well	S&T #1
Field		Field	
County	Rooks	County	Rooks
State	Kansas	State	Kansas
Location: API #: 15-163-24465-00-00		Other Services	
NE NW SW SW 1108 FSL & 4905 FEL SEC 27 TWP 8S RGE 18W		CNL/CDL DIL	
Permanent Datum	Ground Level	Elevation	1967
Log Measured From	Kelly Bushing	K.B.	1975
Drilling Measured From	Kelly Bushing	D.F.	
		G.L.	1967
Date	10/29/2022		
Run Number	One		
Depth Driller	3610		
Depth Logger	3611		
Bottom Logged Interval	3610		
Top Log Interval	2700		
Casing Driller	8.625 @ 210		
Casing Logger	208		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5600		
Density / Viscosity	9.2 59		
pH / Fluid Loss	10.0 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.75 @ 73		
Rmf @ Meas. Temp	0.56 @ 73		
Rmc @ Meas. Temp	1.01 @ 73		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.49 @ 112		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	112		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Ed Glassman		

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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.

Plainville, KS, N to Rd R,
1.25 W, N 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: Ed Glassman	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33			GR-M&W (106)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48			CNT-M&W (207-MW)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68			CDL-M&W (307-11)	8.50	4.00	250.00
MCAL MI MN	19.58 19.58 19.58			ML-PSIML (401)	7.58	4.00	65.00
RLL3F RLL3	15.50 15.50						
CILD	8.33			DIL-M&W (501 HT)	18.25	3.50	220.00
CILM	4.50						
SP	0.20						
Dataset:				anchorbay_s&t #1.db: field/well/StkMI/pass3.1			
Total length:		42.33 ft					
Total weight:		685.00 lb					
O.D.:		4.00 in					

Log Variables

DatabaseC:\ProgramData\Warrior\Data\anchorbay_s&t #1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 112	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 155	degF 60	Off	ft 3611

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



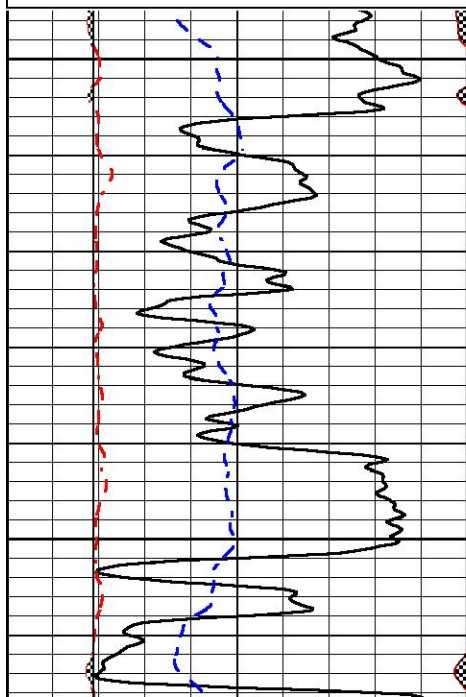
DETAIL SECTION

MAIN PASS

Database File anchorbay_s&t #1.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Sat Oct 29 19:59:13 2022
Charted by Depth in Feet scaled 1:240

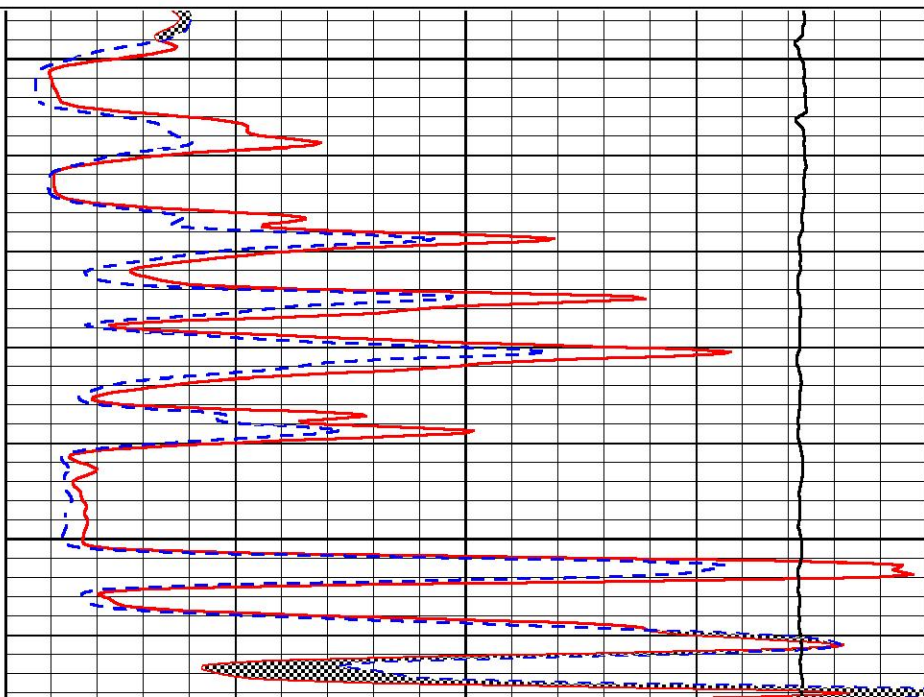
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

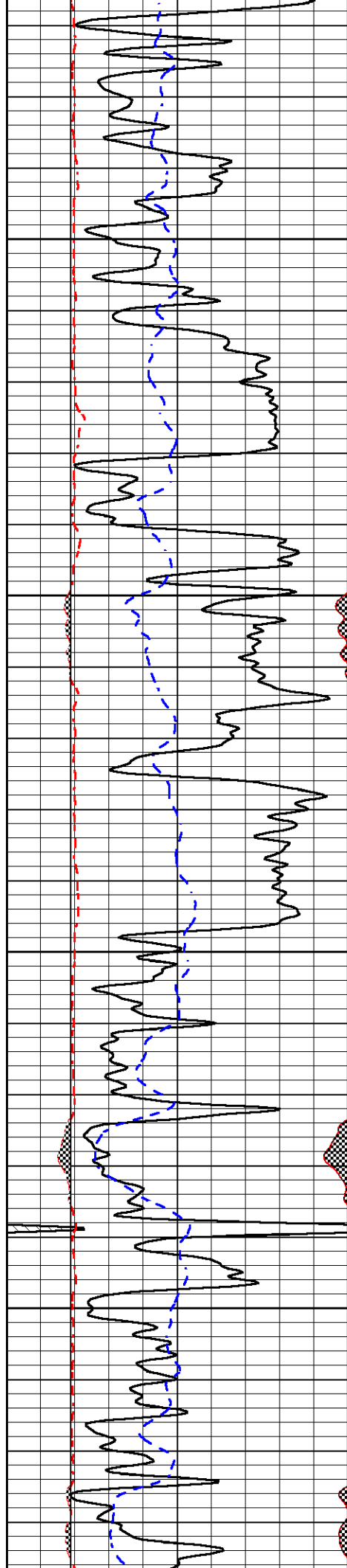
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2700

2750



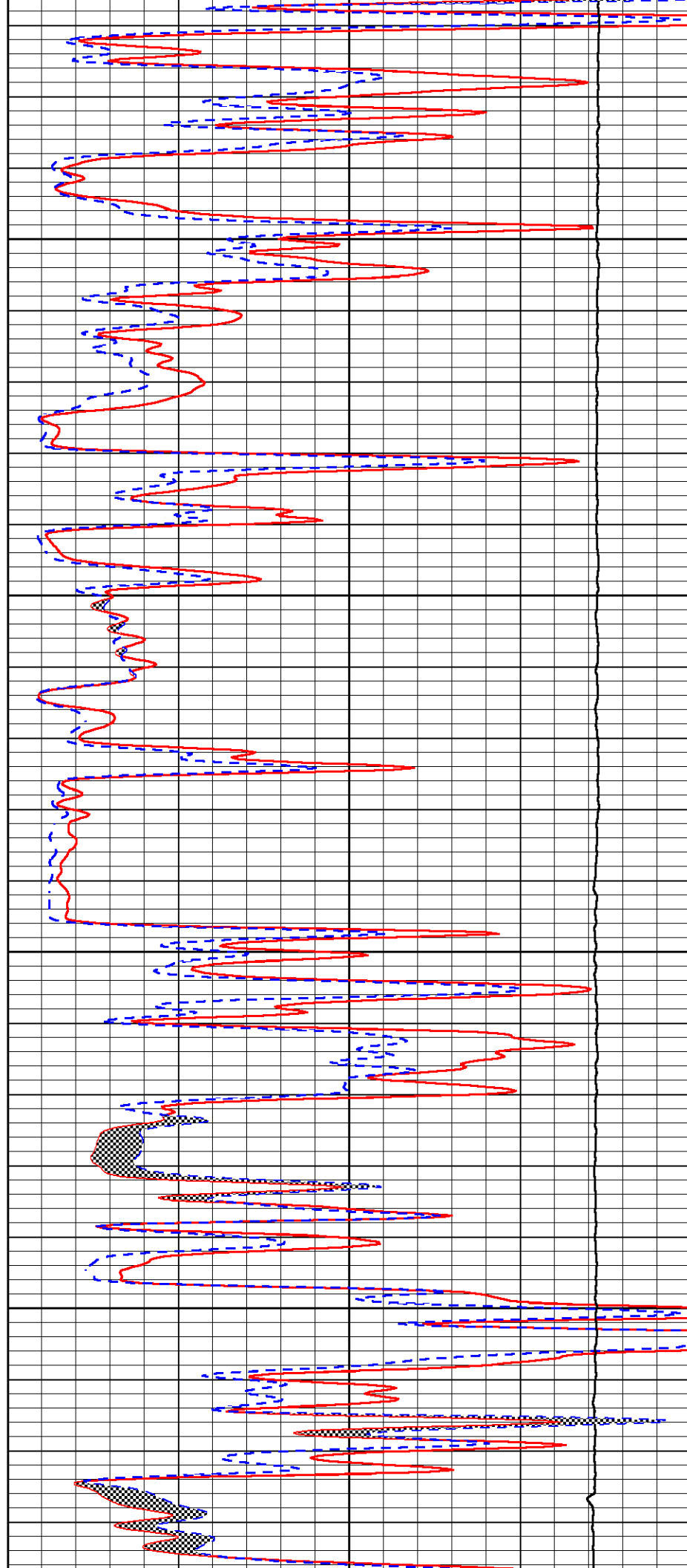


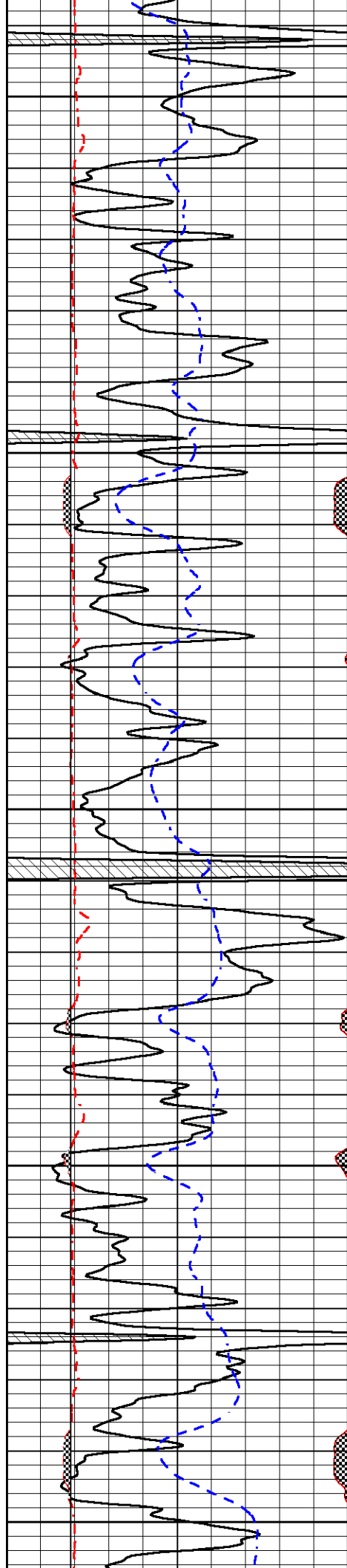
2800

2850

2900

2950





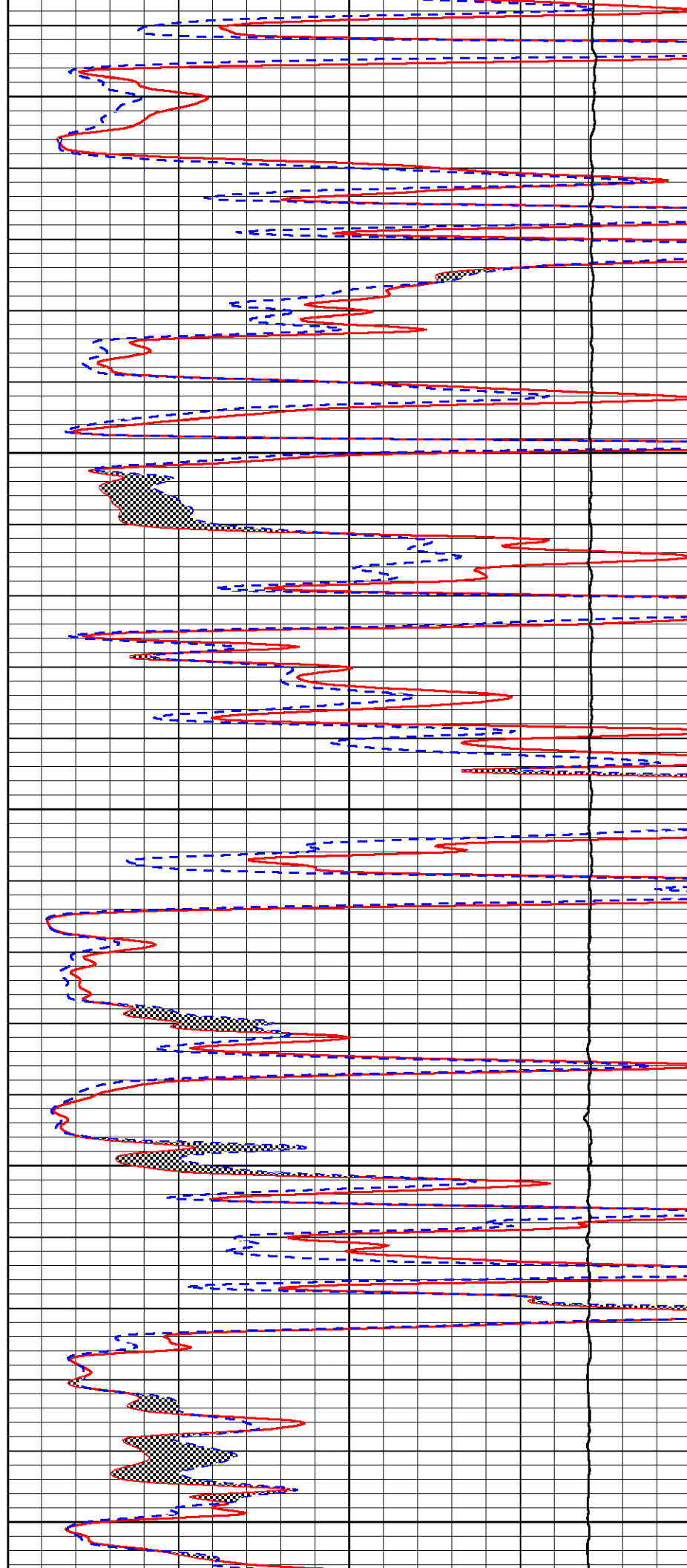
3000

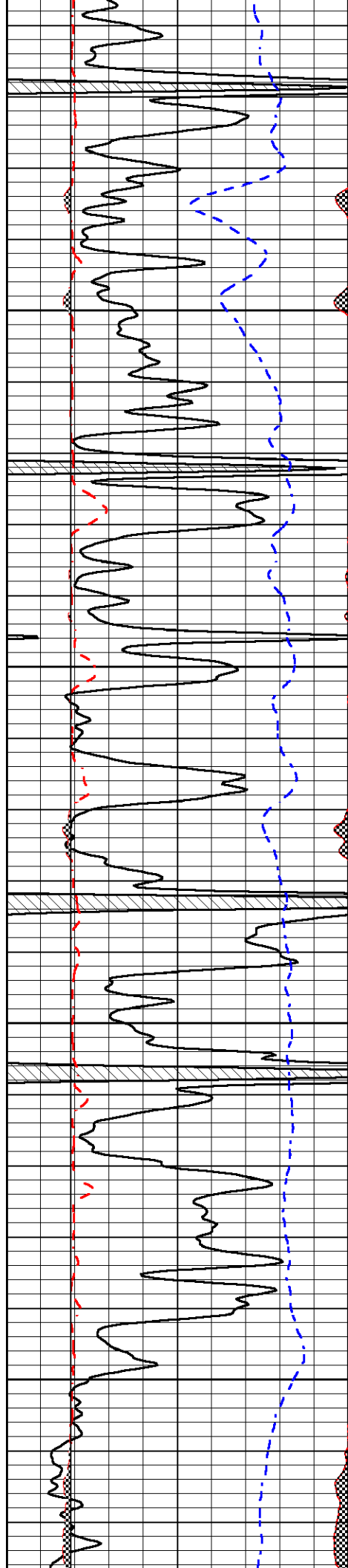
3050

3100

3150

3200



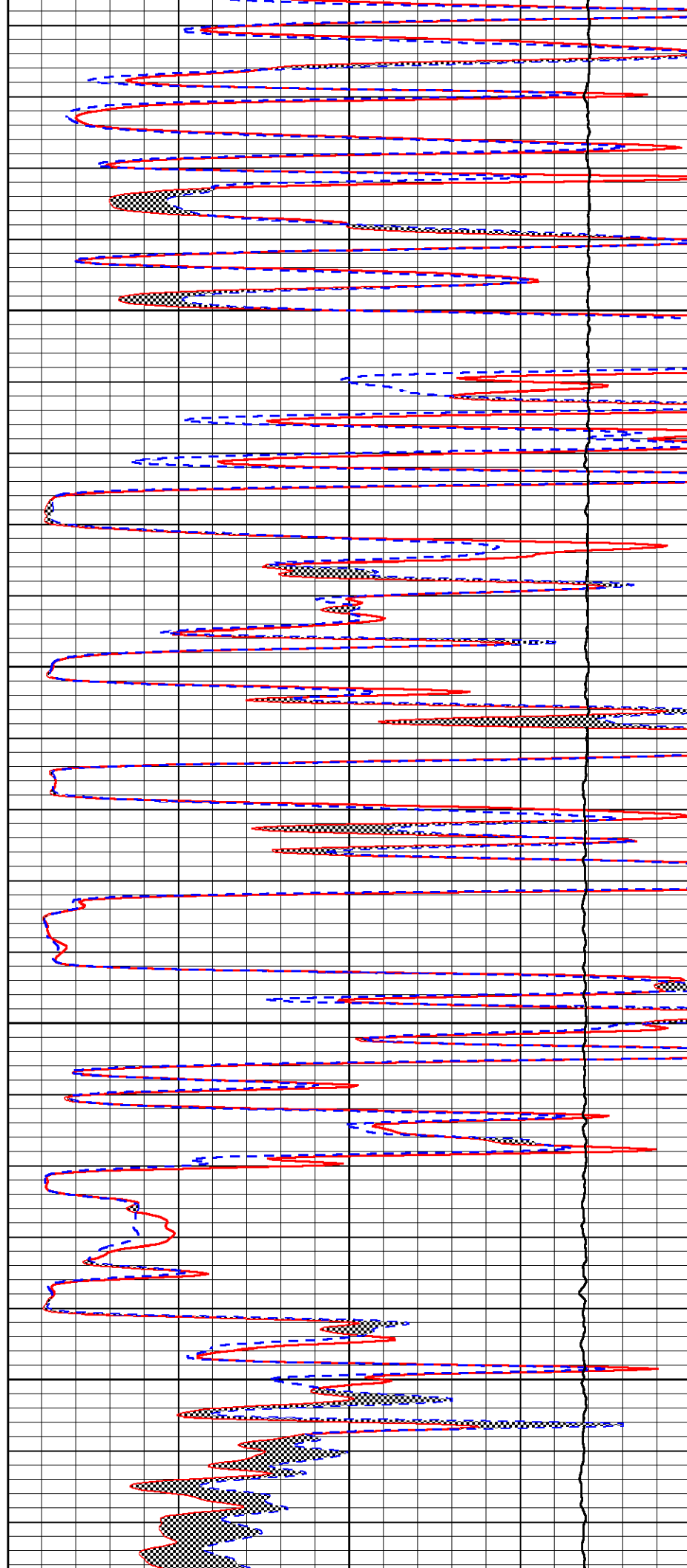


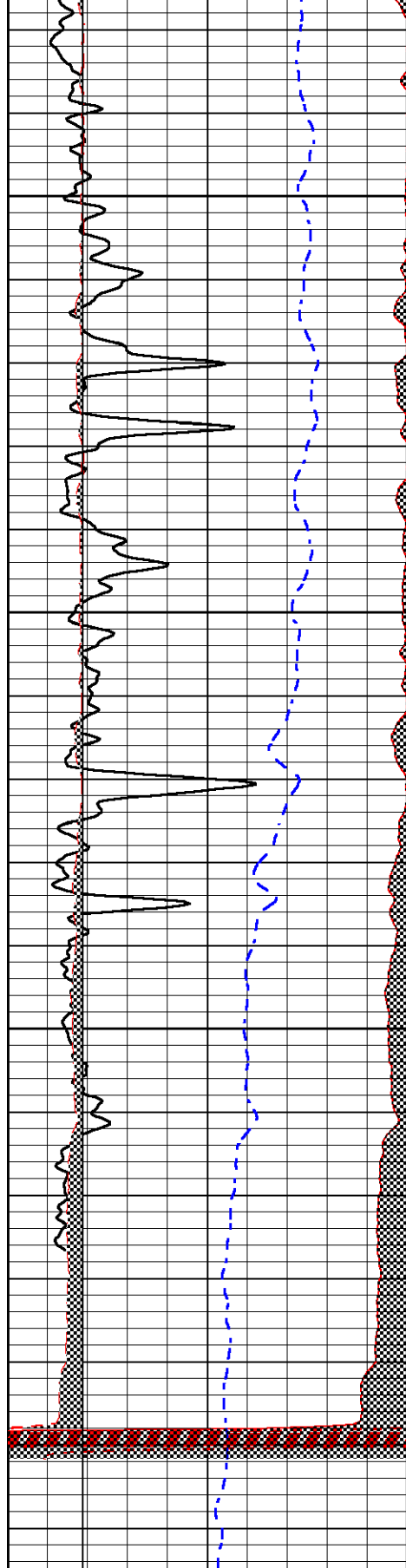
3250

3300

3350

3400





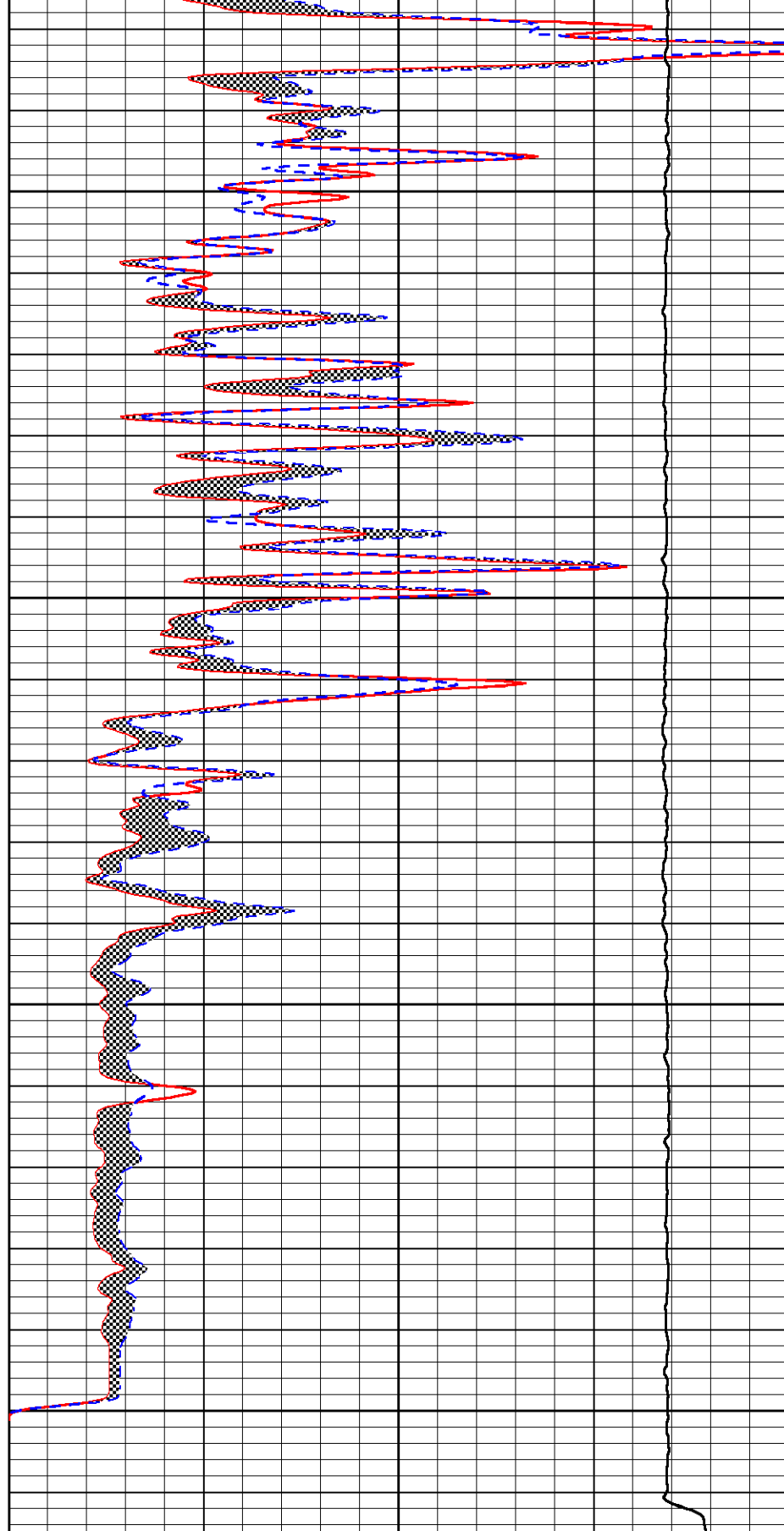
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

3450

3500

3550

3600



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



REPEAT SECTION



MIDWEST WIRELINE

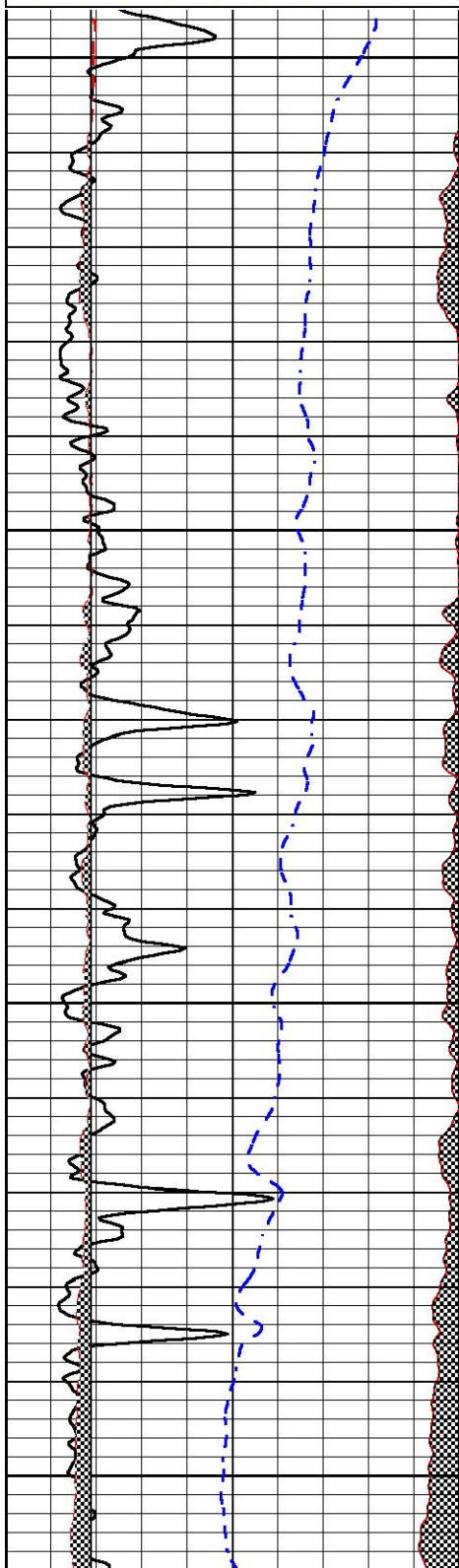
REPEAT SECTION

REPEAT PASS

Database File anchorbay_s&t #1.db
Dataset Pathname StkMI/pass2.1
Presentation Format _micro
Dataset Creation Sat Oct 29 19:29:29 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

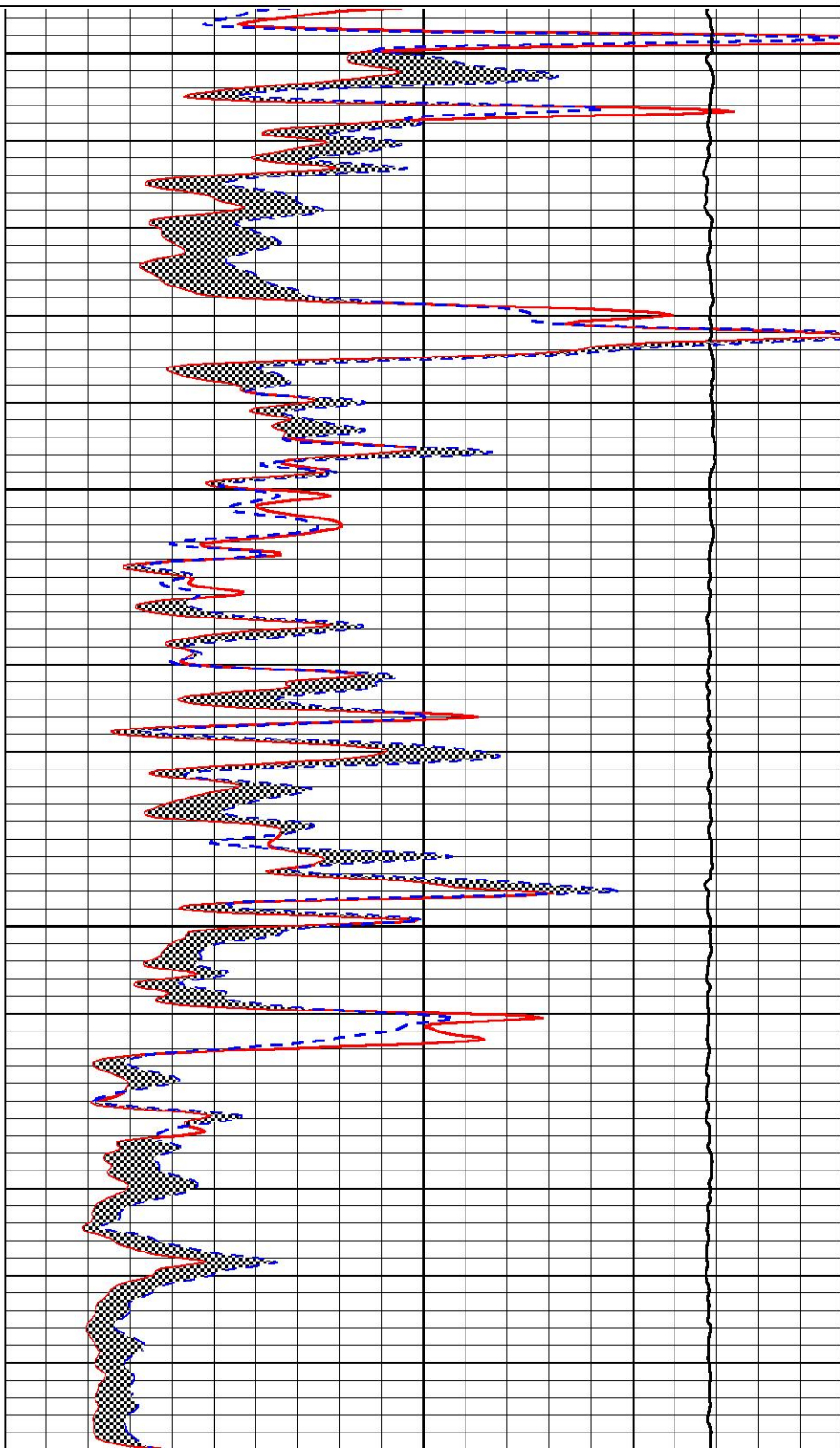


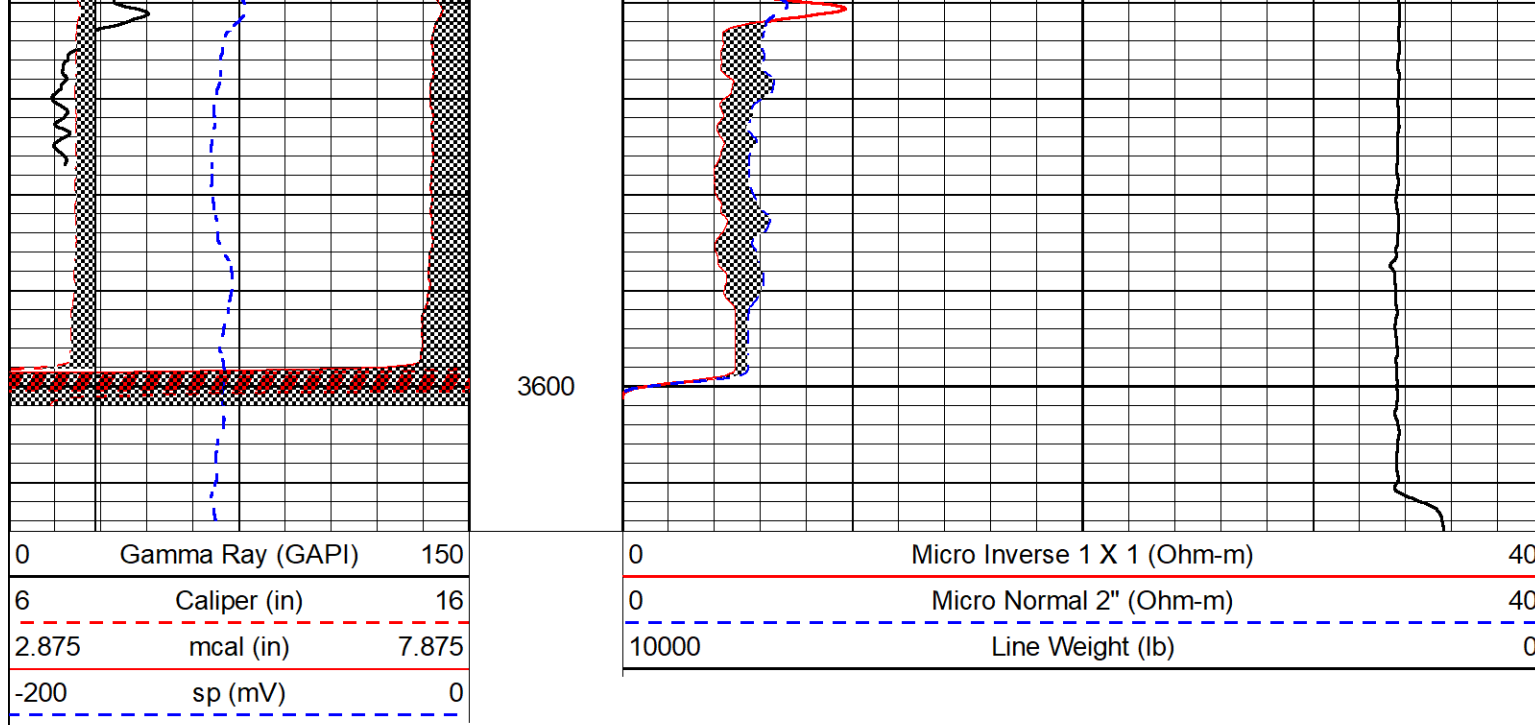
3400

3450

3500

3550





Calibration Report

Database File anchorbay_s&t #1.db
 Dataset Pathname StkMI/pass3.1
 Dataset Creation Sat Oct 29 19:59:13 2022

Dual Induction Calibration Report

Serial-Model: 501 HT-M&W
 Surface Cal Performed: Tue Oct 11 22:01:45 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-39.500
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.305	-34.300

Microlog Calibration Report

Serial-Model: 401-PSIML
 Performed: Wed Oct 19 20:26:45 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	15000.0000	-0.1000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	15500.0000	0.0000
Caliper	1.0052	1.0858	5.0000	16.5000	in	98.0000	-93.1000

Compensated Density Calibration Report

Serial-Model: 307-11-M&W
 Source #: 20762B
 Master Calibration Performed: Sat Aug 27 10:20:16 2022

Master Calibration

Density Far Detector Near Detector

	Density			Far Detector	Near Detector	
Magnesium	1.755	g/cc		3600.52	4768.22	cps
Aluminum	2.670	g/cc		693.98	3106.20	cps
Spine Angle = 75.41			Density/Spine Ratio = 0.538			
	Size			Reading		
Small Ring	6.00	in		1.16		
Large Ring	18.00	in		1.01		

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

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

Serial Number:	106	
Tool Model:	M&W	
Performed:	Fri Dec 3 15:10:46 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps

	Company	Anchor Bay Petroleum LLC
	Well	S&T #1



MIDWEST WIRELINE

Field

County

State

Rooks

Kansas