



MICRORESISTIVITY

MIDWEST WIRELINE

CompanySatchell Creek Petroleum LLC	
Well	Hobbs A #7-34
Field	Unnamed
County	Graham
State	Kansas
Company Satchell Creek Petroleum LLC	
Well	Hobbs A #7-34
Field	Unnamed
County	Graham
State	Kansas
Location:	API # : 15-065-24291-00-00
Permanent Datum	NW NE SW NW
Log Measured From	1645 FNL & 977 FWL
Drilling Measured From	SEC 34 TWP 10S RGE 25W
Elevation	2471
Other Services	CNL/CDL DIL
K.B.	2478
D.F.	
G.L.	2471
Date	10/5/2023
Run Number	One
Depth Driller	4130
Depth Logger	4125
Bottom Logged Interval	4124
Top Log Interval	3300
Casing Driller	8.625 @ 227
Casing Logger	220
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity ,ppm CL	1800
Density / Viscosity	9.2 57
pH / Fluid Loss	10.5 4.8
Source of Sample	Flowline
Rm @ Meas. Temp	0.85 @ 68
Rmt @ Meas. Temp	0.64 @ 68
Rmc @ Meas. Temp	1.15 @ 68
Source of Rmt / Rmc	Charts
Rm @ BHT	0.49 @ 117
Operating Rig Time	2 Hours
Max Rec. Temp. F	117
Equipment Number	P-24
Location	Hays
Recorded By	T. Martin
Witnessed By	Sean Deenihan

<<< 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.

St Peter, KS, S to Rd B, 1 W, S into

Log Measured From: Kelly Bushing

7 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Sean Deenihan
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_hobbs a #7-34.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 117	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0.5	SNDERRM mmho/m -4.5	SPSHIFT mV 300	SRFTEMP degF 65	SZCOR Off	TDEPTH ft 4125		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
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

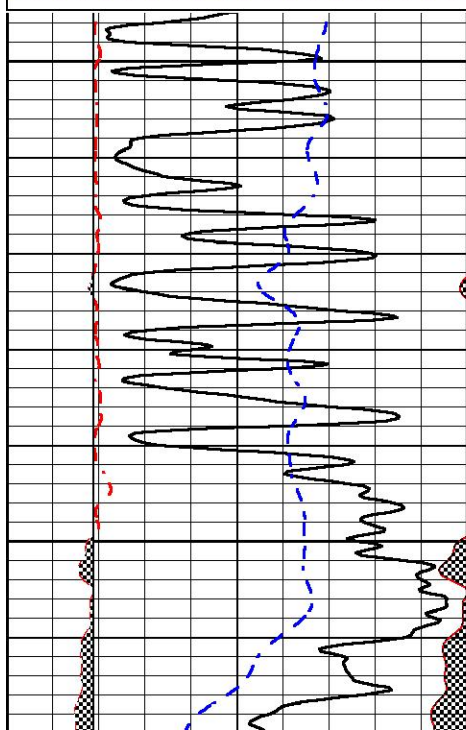
DETAIL SECTION

MAIN PASS

Database File satchell_hobbs a #7-34.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Thu Oct 05 22:12:48 2023
Charted by Depth in Feet scaled 1:240

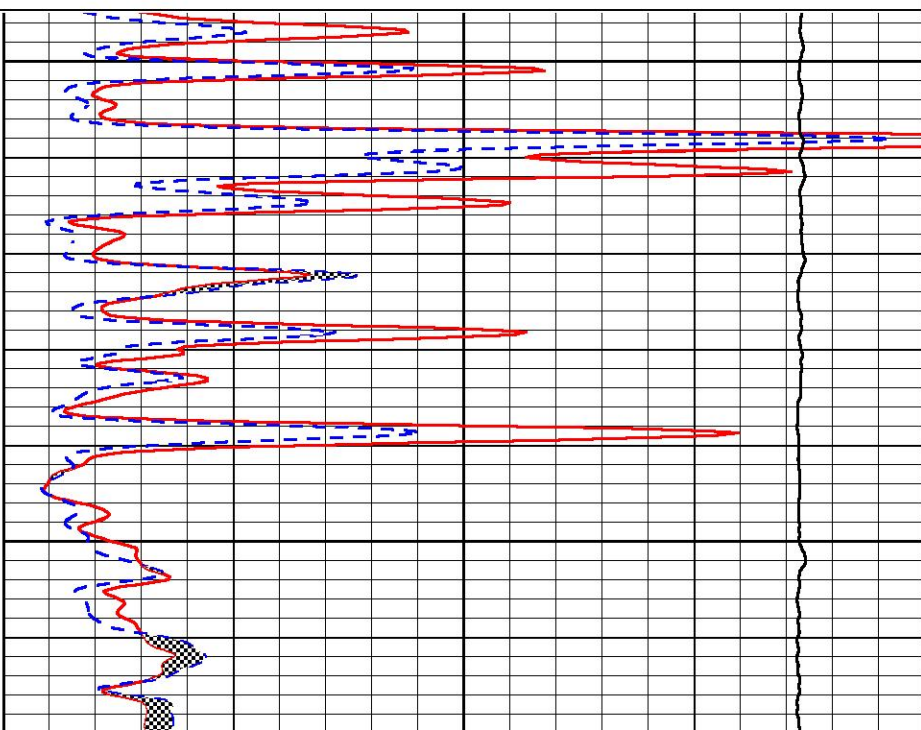
30	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mccl (in)	7.875
-200	sp (mV)	0

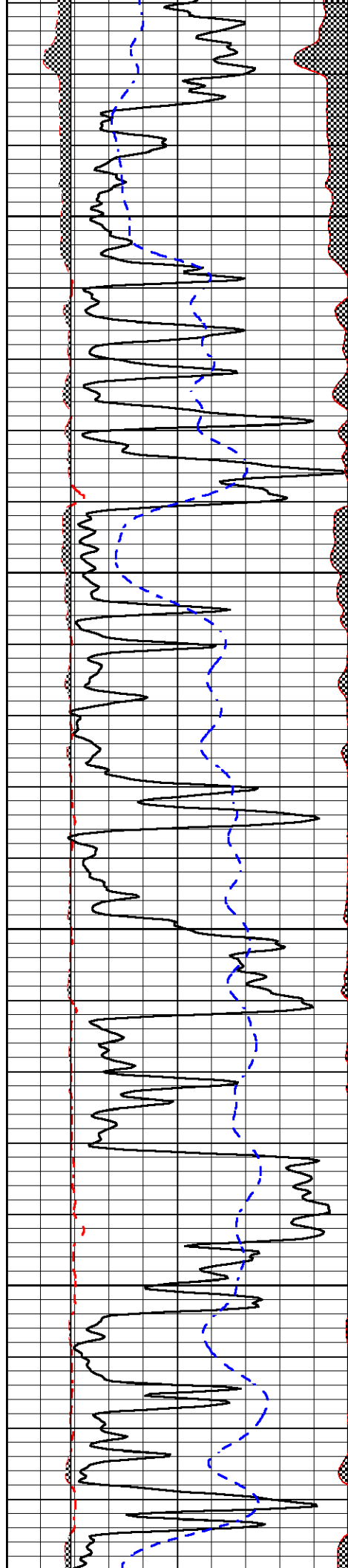
0	Micro Inverse 1 X 1 (Ohm-m)	80
0	Micro Normal 2" (Ohm-m)	80
10000	Line Weight (lb)	0



3300

3350



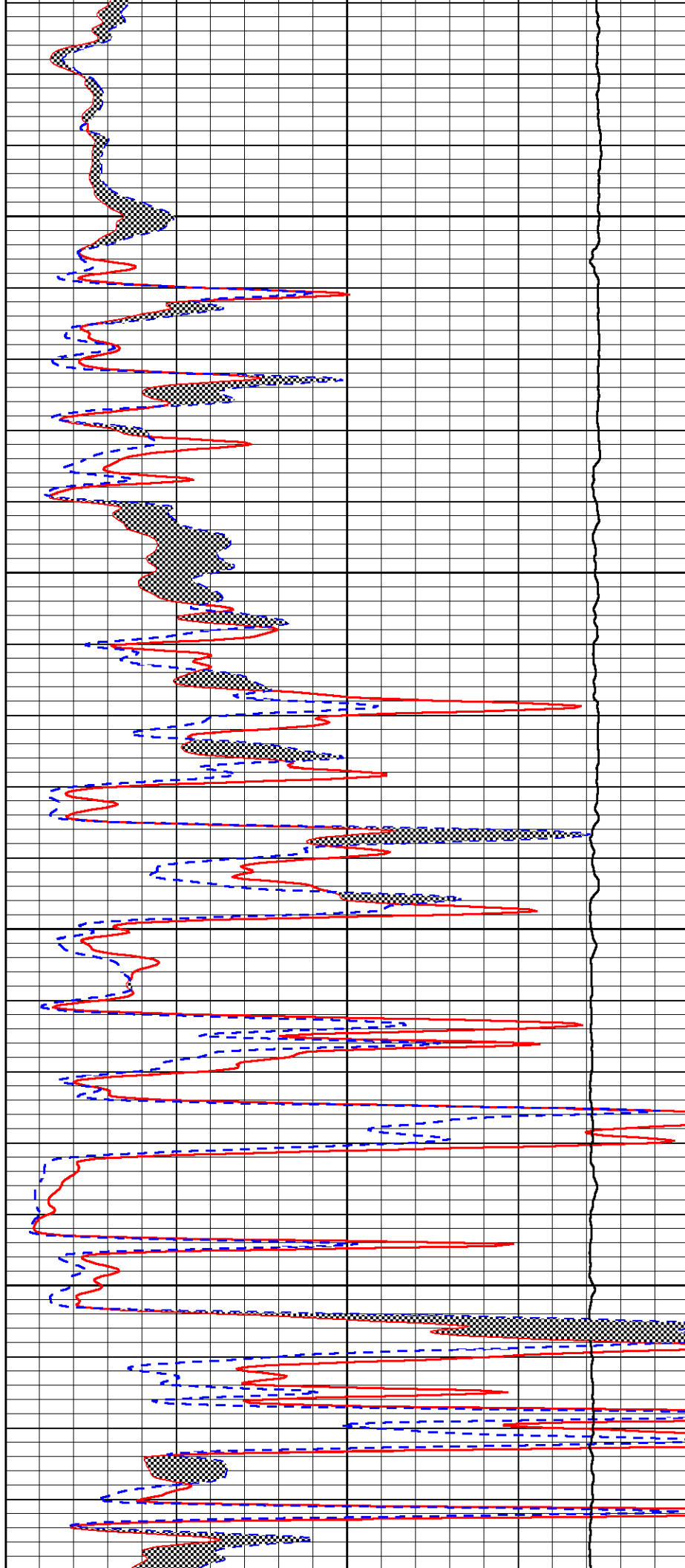


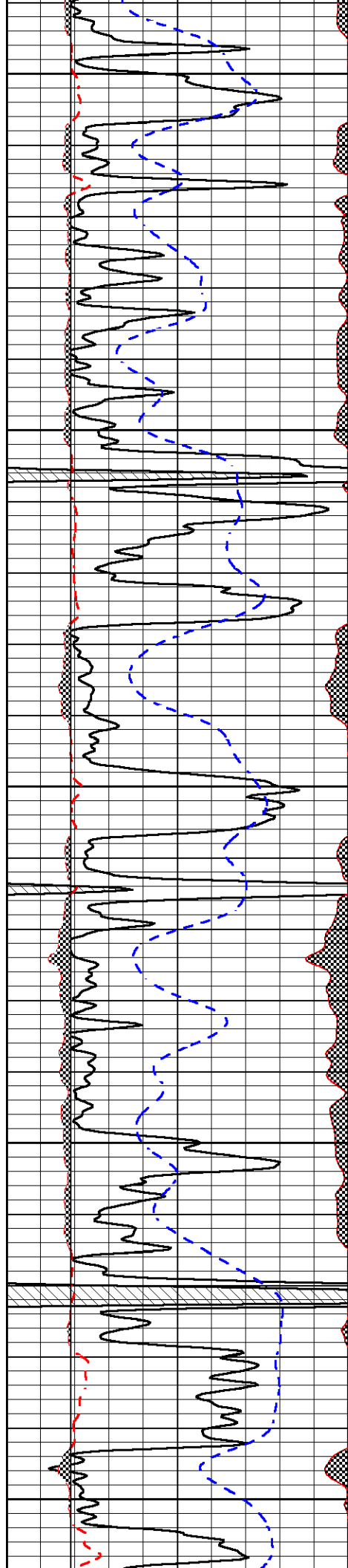
3400

3450

3500

3550





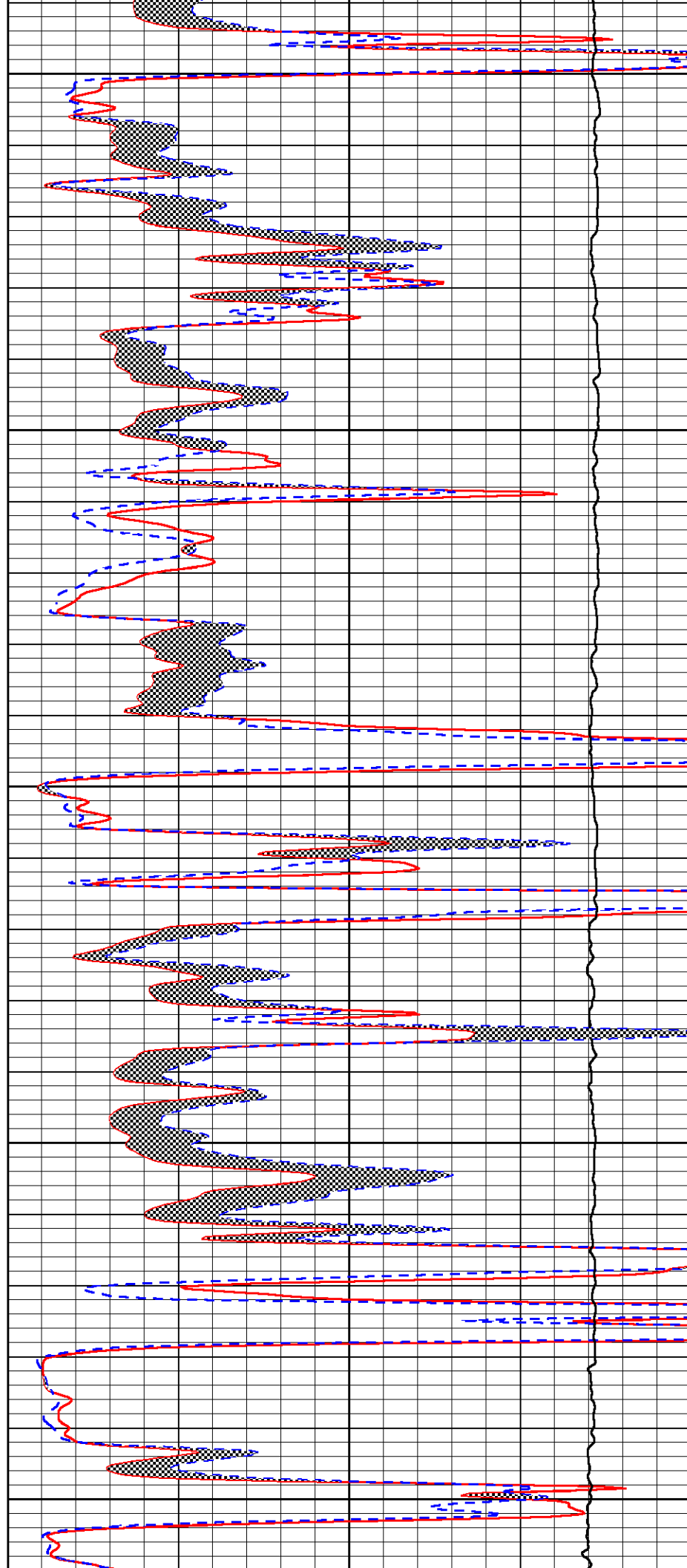
3600

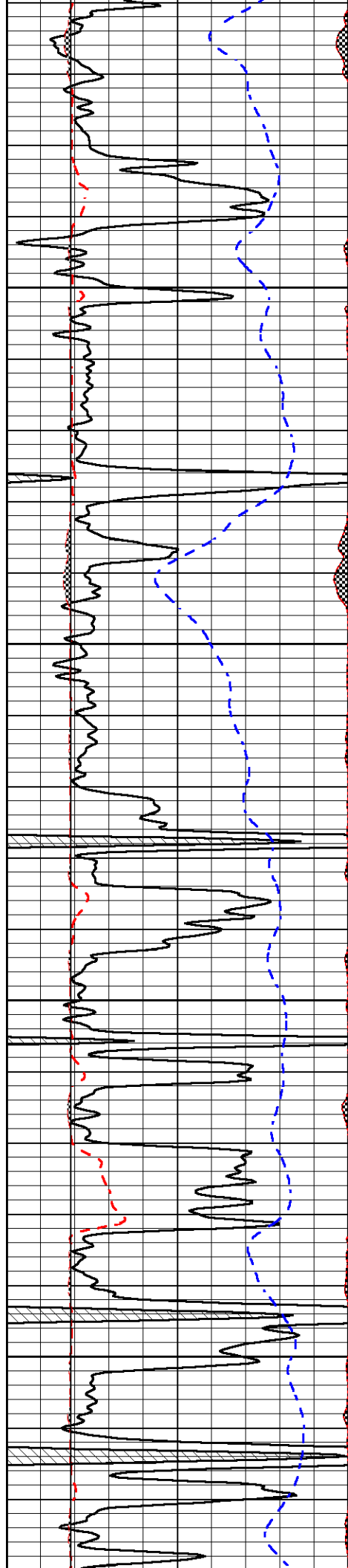
3650

3700

3750

3800



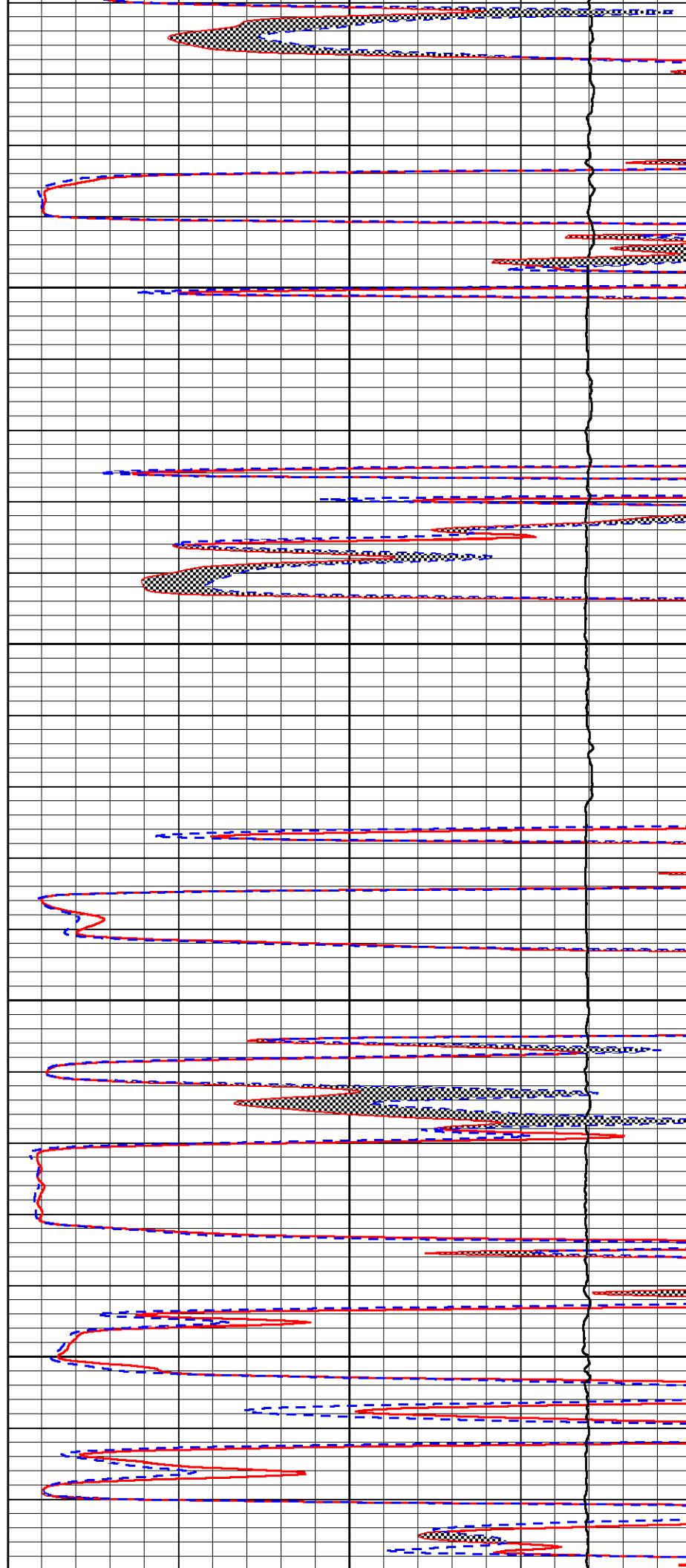


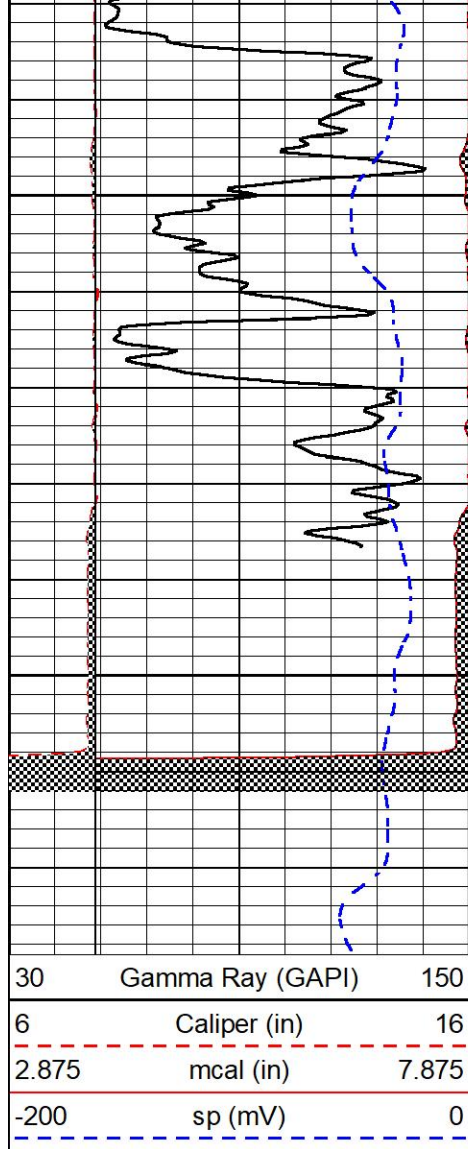
3850

3900

3950

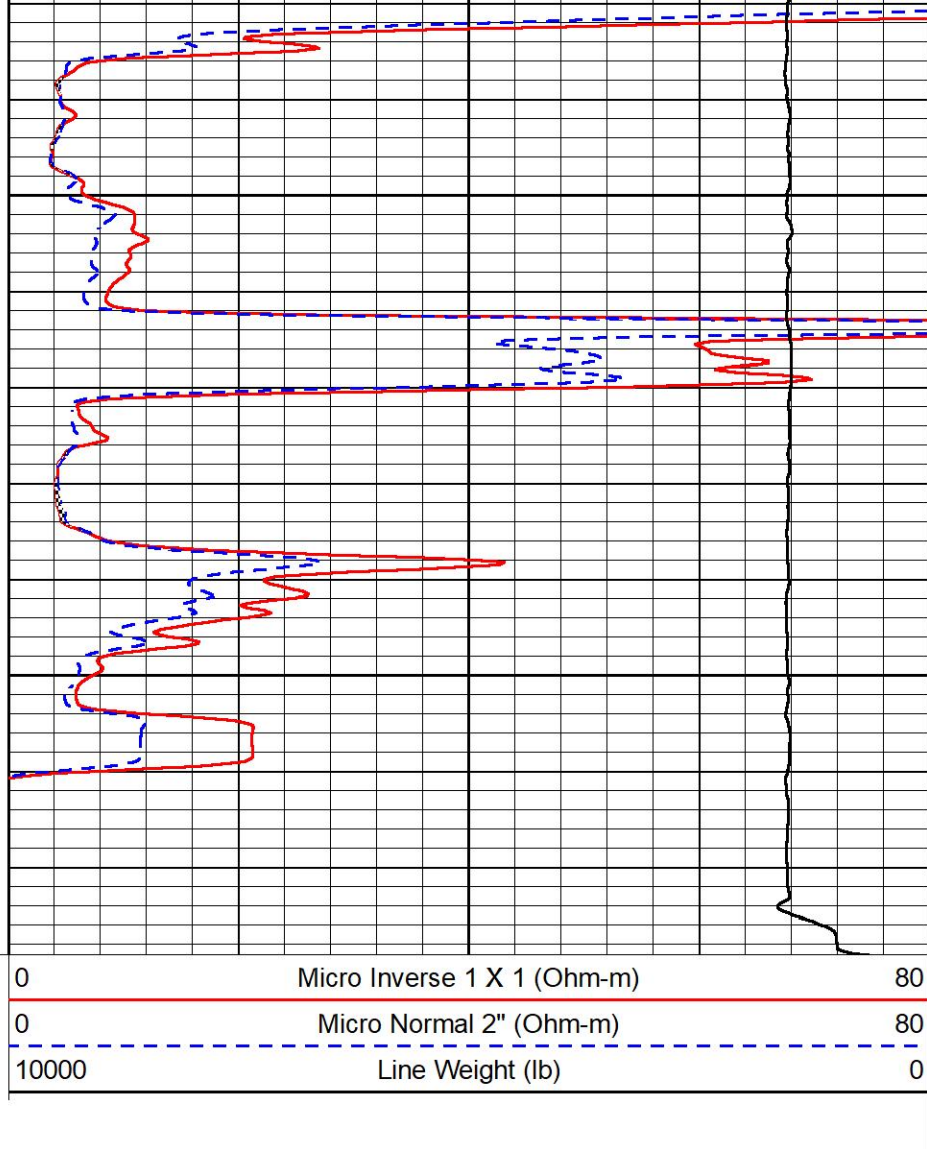
4000





4050

4100

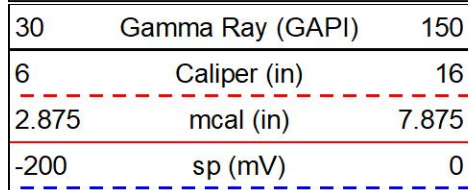


MIDWEST WIRELINE

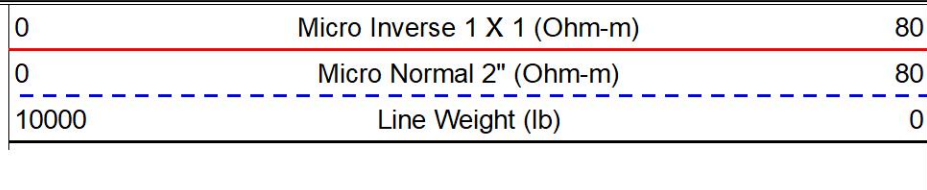
REPEAT SECTION

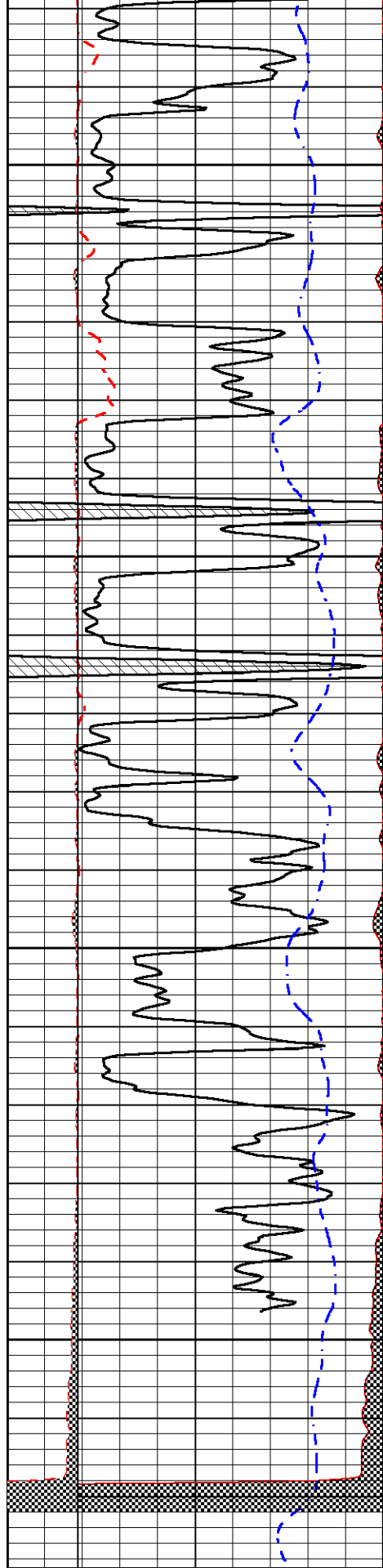
REPEAT PASS

Database File satchell_hobbs a #7-34.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _micro
 Dataset Creation Thu Oct 05 21:31:58 2023
 Charted by Depth in Feet scaled 1:240



3900





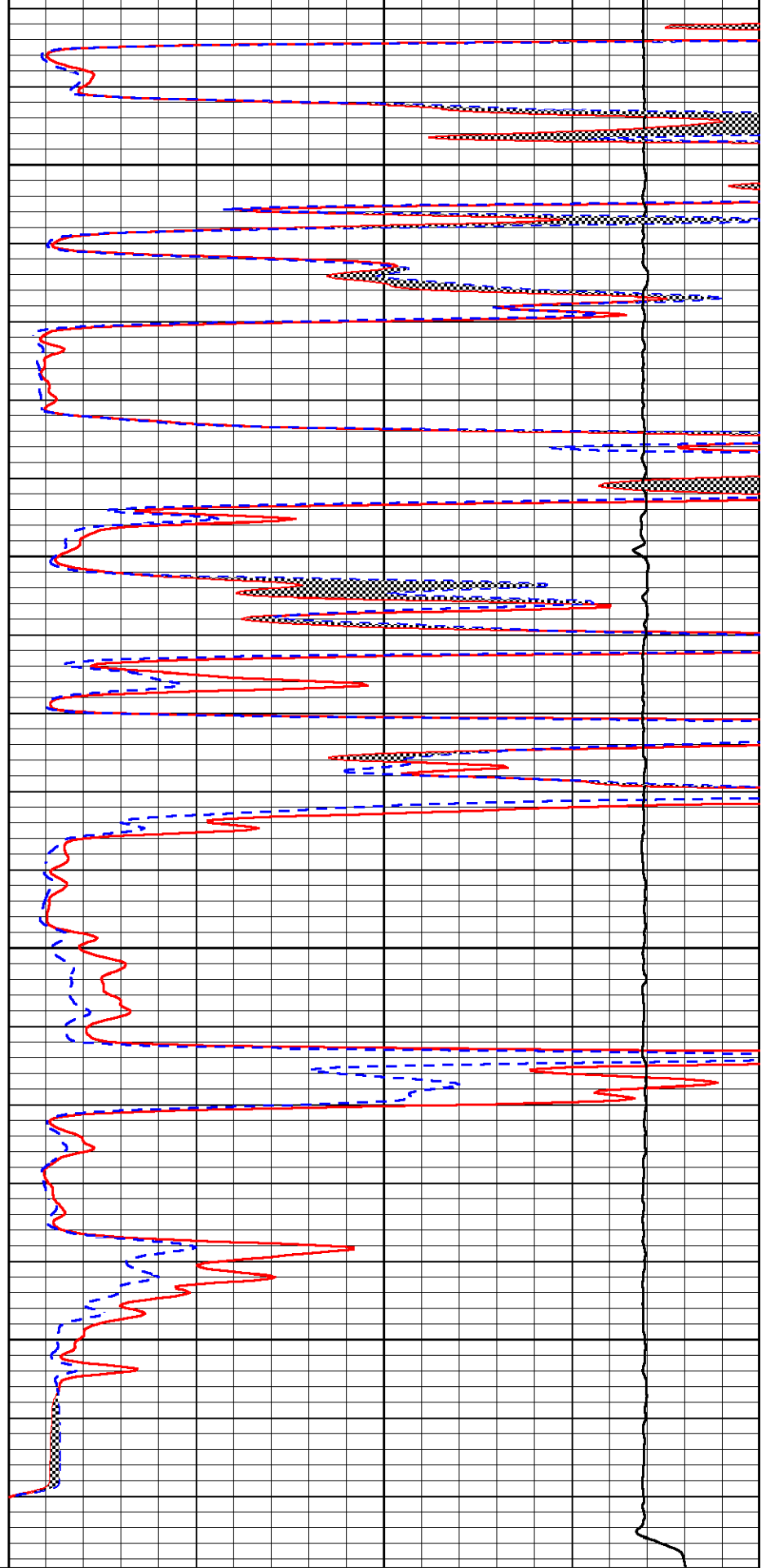
30	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

3950

4000

4050

4100



0	Micro Inverse 1 X 1 (Ohm-m)	80
0	Micro Normal 2" (Ohm-m)	80
10000	Line Weight (lb)	0

Database File	satchell_hobbs a #7-34.db
Dataset Pathname	StkMI/pass3.1
Dataset Creation	Thu Oct 05 22:12:48 2023

Serial-Model: 507-M&W
Surface Cal Performed:

		Readings		References		Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	68.570	638.100	0.000	255.800	mmho/m	0.500	-37.000
Medium	184.288	716.191	0.000	255.800	mmho/m	0.450	-79.000

Serial-Model: 401-PSIML
Performed: Mon Sep 25 22:02:56 2023

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	25500.0000	-1.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	23000.0000	-0.7500
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-138.8800

Serial Number: 704-10
Tool Model: STEP LITHO
Performed: Fri Jun 23 15:26:01 2023

	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	51	54	202	252	21	70	42	1	cps
LS:	85	96	363	462	53	147	97	3	cps

Aluminum:

SS:	870	1018	2321	2004	37	71	43	2	cps
LS:	1057	1828	3315	1570	61	147	91	5	cps

Magnesium:

SS:	1459	1669	3829	2914	42	70	46	3	cps
LS:	4526	7550	13047	4982	98	135	93	13	cps

Aluminum+Iron:									
SS:	553	719	1939	1750	37	72	45	2	cps
LS:	613	1297	2812	1404	60	146	96	4	cps

	Density Actual	Calibrated		PE Actual	Calibrated	Quality
Background:						
SS:						0.245
LS:						0.205
Aluminum:						
SS:	2.6000	2.6000	g/cc			0.240
LS:	2.6000	2.6000	g/cc			0.236

SS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.210			
LS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.184			
Aluminum+Iron:									
SS:					6.1800	0.228			
LS:					6.1800	0.206			
Before Survey									
Performed:	Wed Feb 9	13:15:42	2022						
SS:	0	0	0	0	0	0	0	0	cps
LS:	1370	1580	3705	3037	48	80	50	4	cps
After Survey									
Performed:	Wed Feb 9	13:16:02	2022						
SS:	0	0	0	0	0	0	0	0	cps
LS:	1400	1600	3800	3100	60	100	70	6	cps
Caliper:									
Small Ring:		6.0		in	0.2				
Large Ring:		15.0		in	0.8				
Gain:		16.161							
Offset:		1.080							
Compensated Neutron Calibration Report									
Serial Number:				207					
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									
Serial Number:			103						
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:	0.5000	GAPI/cps



MIDWEST WIRELINE

Company	Satchell Creek Petroleum LLC
Well	Hobbs A #7-34
Field	Unnamed
County	Graham
State	Kansas