



MIDWEST WIRELINE

MICRORESISTIVITY

CompanyGriffin Management LLC	
Well	Gary #2
Field	Turkey Creek East
County	Barber
State	Kansas
Company Griffin Management LLC	
Well	Gary #2
Field	Turkey Creek East
County	Barber
State	Kansas
Location:	API # : 15-007-24478-00-00
Permanent Datum	NE NE NE NE 130 FNL & 220 FEL SEC 16 TWP 30S RGE 15W
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation	1947
Other Services	CNL/CDL DIL
K.B.	1952
D.F.	
G.L.	1947
Date	8/8/2023
Run Number	One
Depth Driller	4772
Depth Logger	4772
Bottom Logged Interval	4771
Top Log Interval	2800
Casing Driller	8.625 @ 976
Casing Logger	978
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity,ppm CL	5000
Density / Viscosity	9.3 51
pH / Fluid Loss	10.5 9.2
Source of Sample	Flowline
Rm @ Meas. Temp	0.8 @ 72
Rmt @ Meas. Temp	0.6 @ 72
Rmc @ Meas. Temp	1.08 @ 72
Source of Rmt/ Rmc	Charts
Rm @ BHT	0.47 @ 124
Operating Rig Time	3 Hours
Max Rec. Temp. F	124
Equipment Number	P-24
Location	Hays
Recorded By	T. Martin
Witnessed By	Eli Felts

<<< 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.

Croft, KS, S to 110, 1 E, S & E into

Log Measured From: Kelly Bushing

5 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: Eli Felts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.75		GR-M&W (105)	3.00	3.50	50.00
CNLSC	37.65		CNT-M&W (207)	5.00	3.50	100.00
CNSSC	36.90					
			MWLith-STEP LITHO (704-10) Long Litho Mandrel	8.92	5.00	250.00
LCAL	28.21					
LLW8N	28.21		ML-PSIML (401)	7.58	4.00	65.00
LLW7N	28.21					
LLW6N	28.21					
LLW5N	28.21					
LLW4N	28.21					
LLW3N	28.21					
LLW2N	28.21					
LLW1N	28.21					
LSLOCK	27.96					
LLLOCK	27.96					
PELTMPR	27.96		DIL-M&W (507)	18.25	3.50	220.00
LSHVNG	27.96					
LLHVNG	27.96					
LSW8N	27.71					
LSW7N	27.71					
LSW6N	27.71					
LSW5N	27.71					
LSW4N	27.71					
LSW3N	27.71					
LSW2N	27.71					
LSW1N	27.71					
MCAL	19.58					
MI	19.58					
MN	19.58					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					
Dataset: griffin_gary #2.db: field/well/StkMI/pass3.1						
Total length: 42.75 ft						
Total weight: 685.00 lb						
O.D.: 5.00 in						

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_gary #2.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 124	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m -1	SPSHIFT mV 380	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 4772		

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

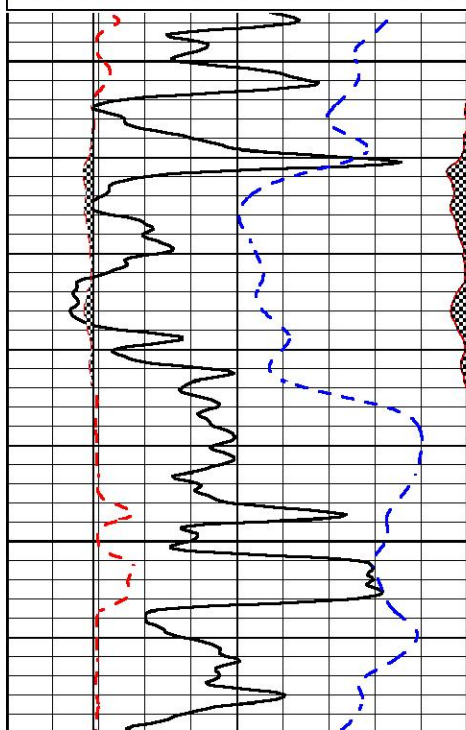
DETAIL SECTION

MAIN PASS

Database File griffin_gary #2.db
Dataset Pathname StkMI/pass3.1
Presentation Format _micro
Dataset Creation Tue Aug 08 16:04:29 2023
Charted by Depth in Feet scaled 1:240

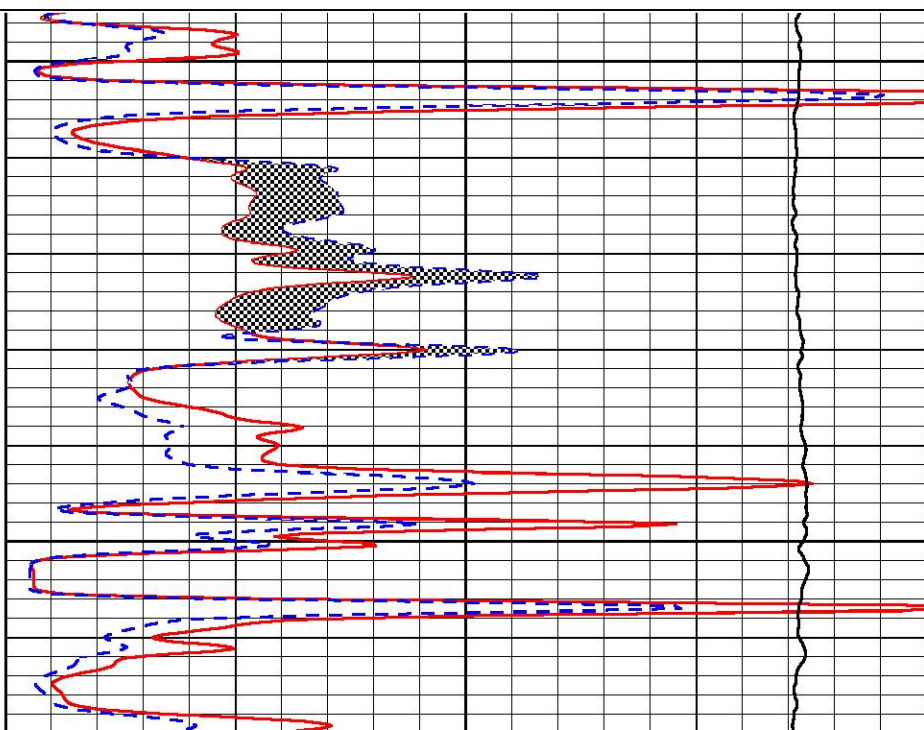
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

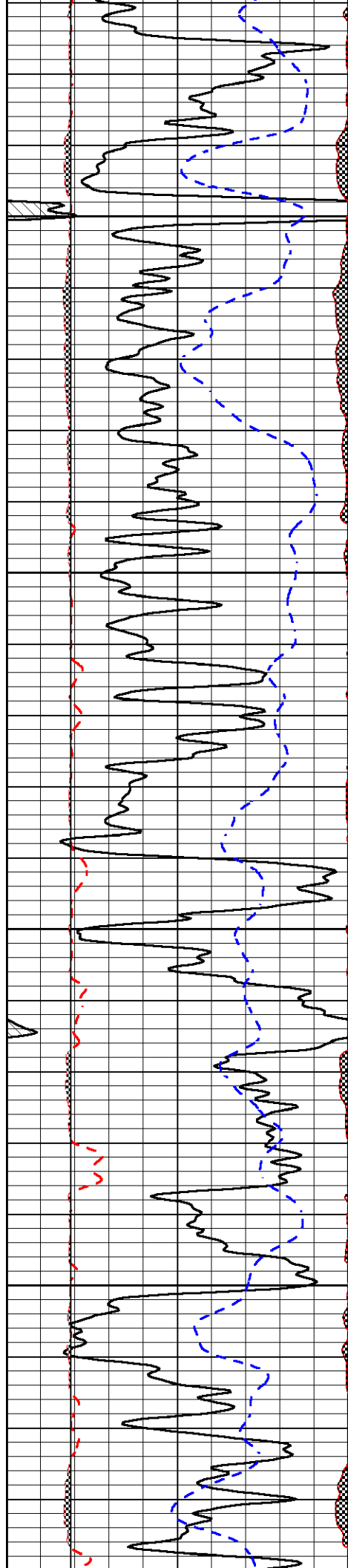
0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0



2800

2850



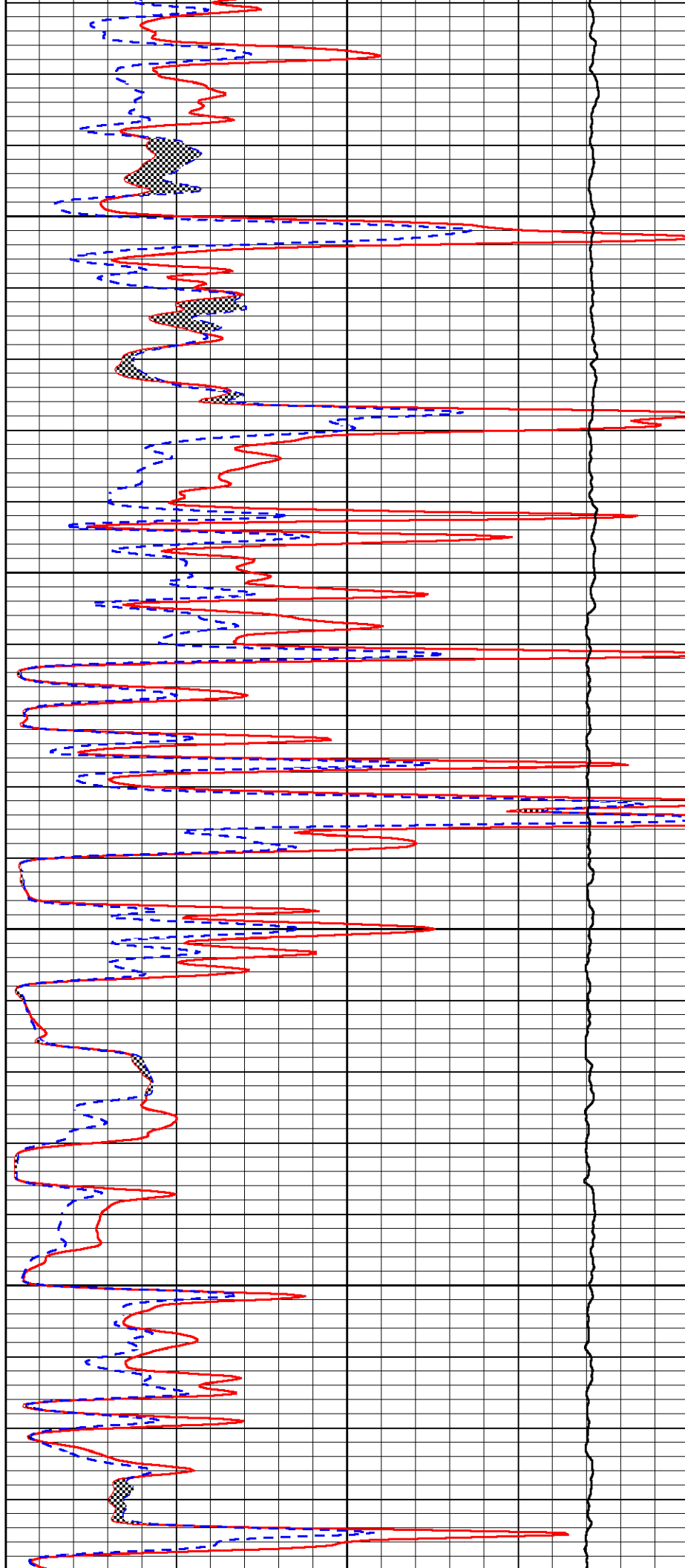


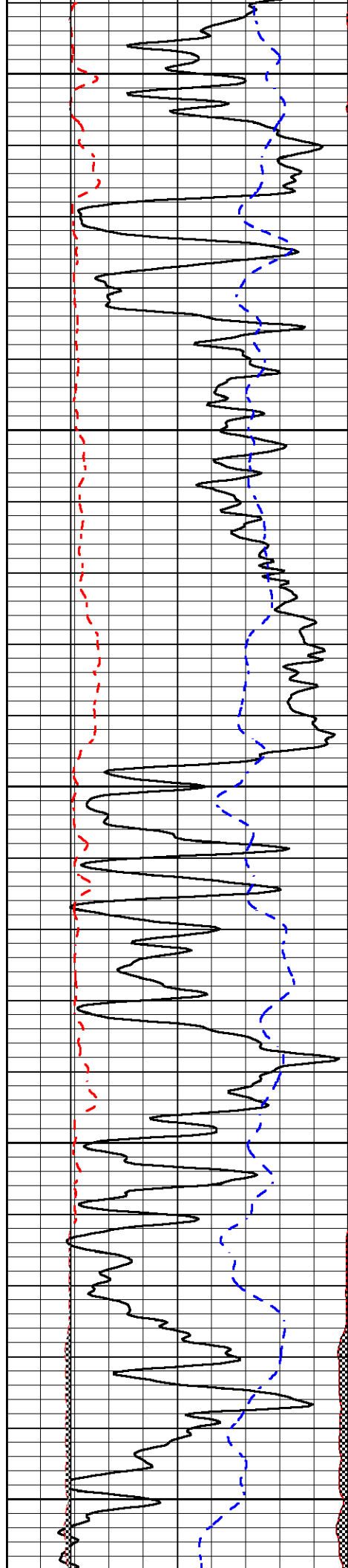
2900

2950

3000

3050





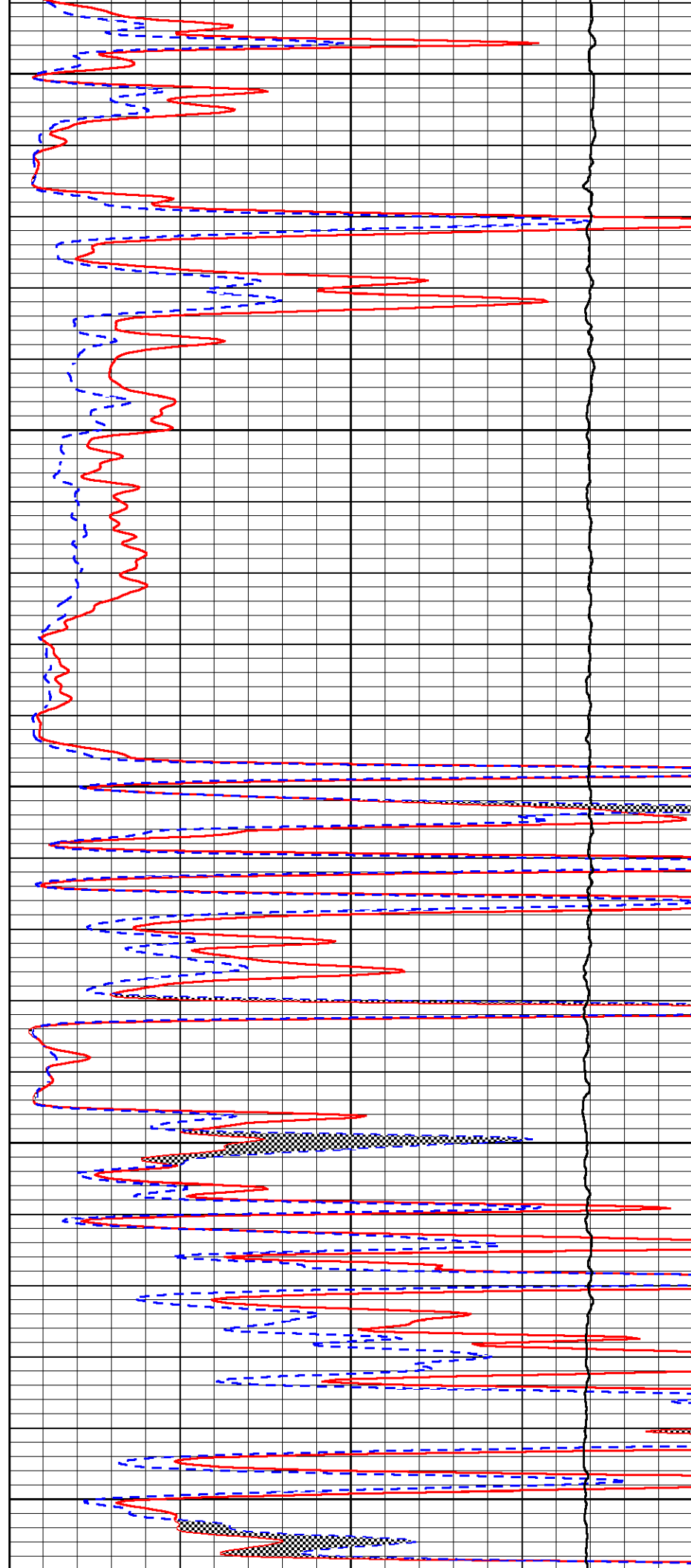
3100

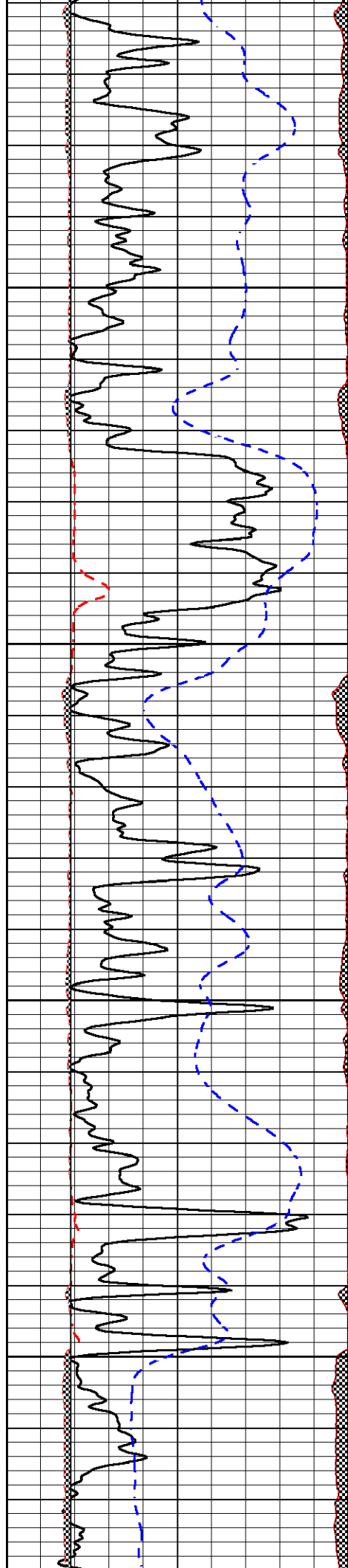
3150

3200

3250

3300



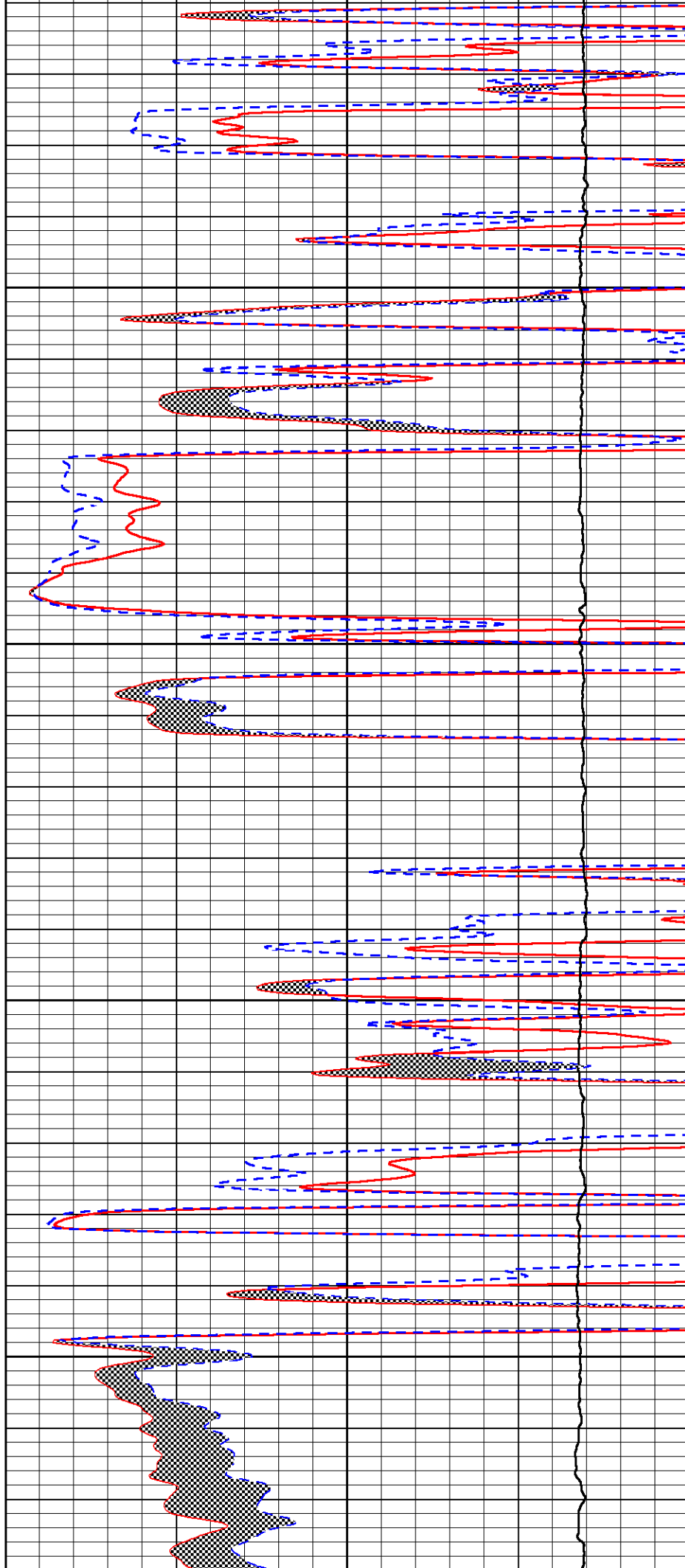


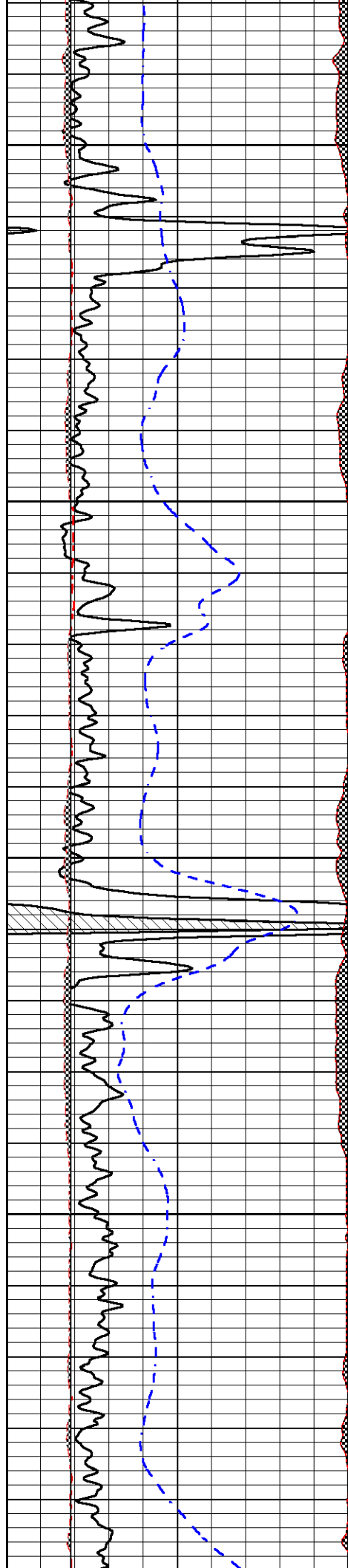
3350

3400

3450

3500





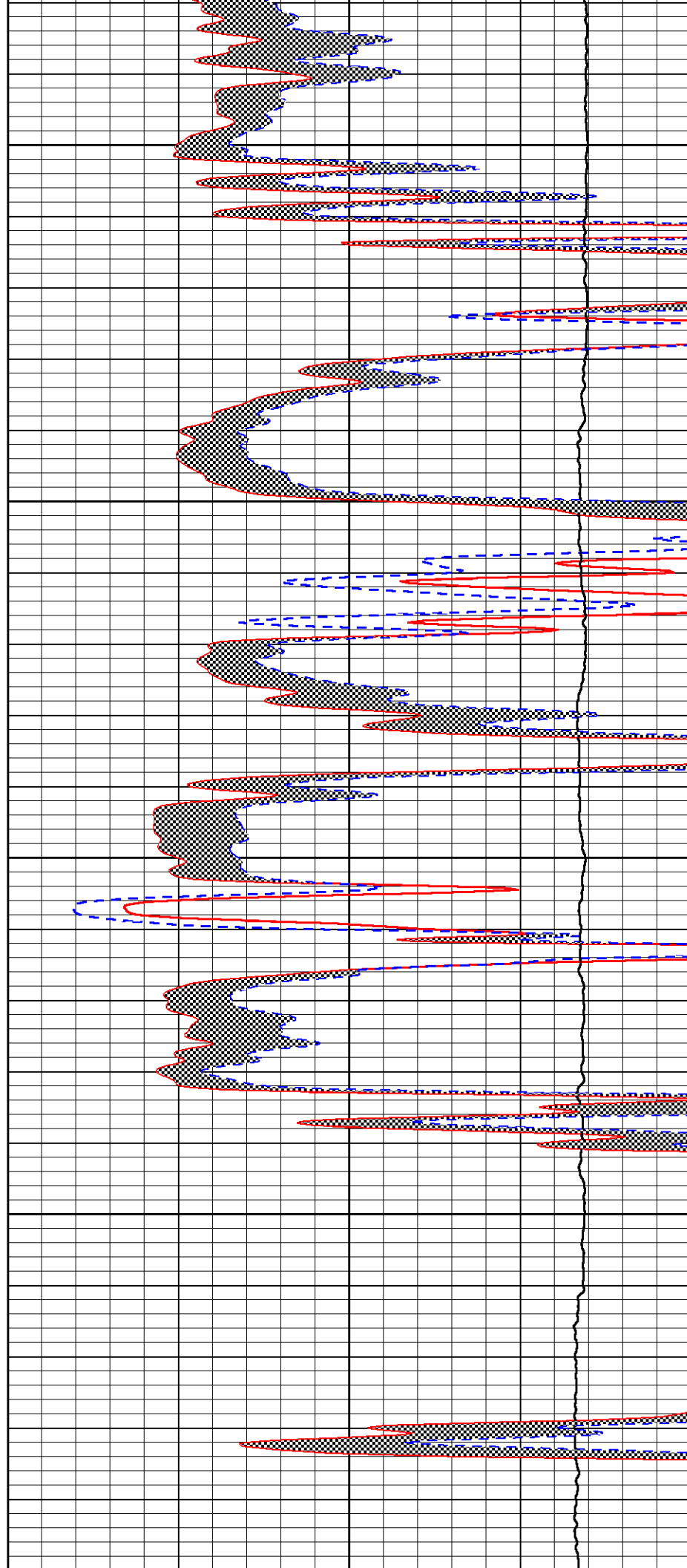
3550

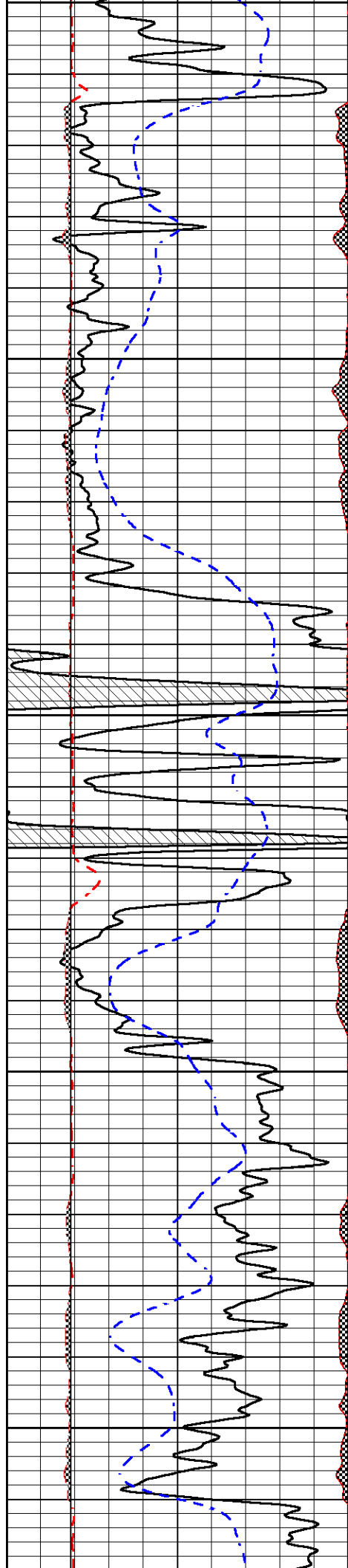
3600

3650

3700

3750





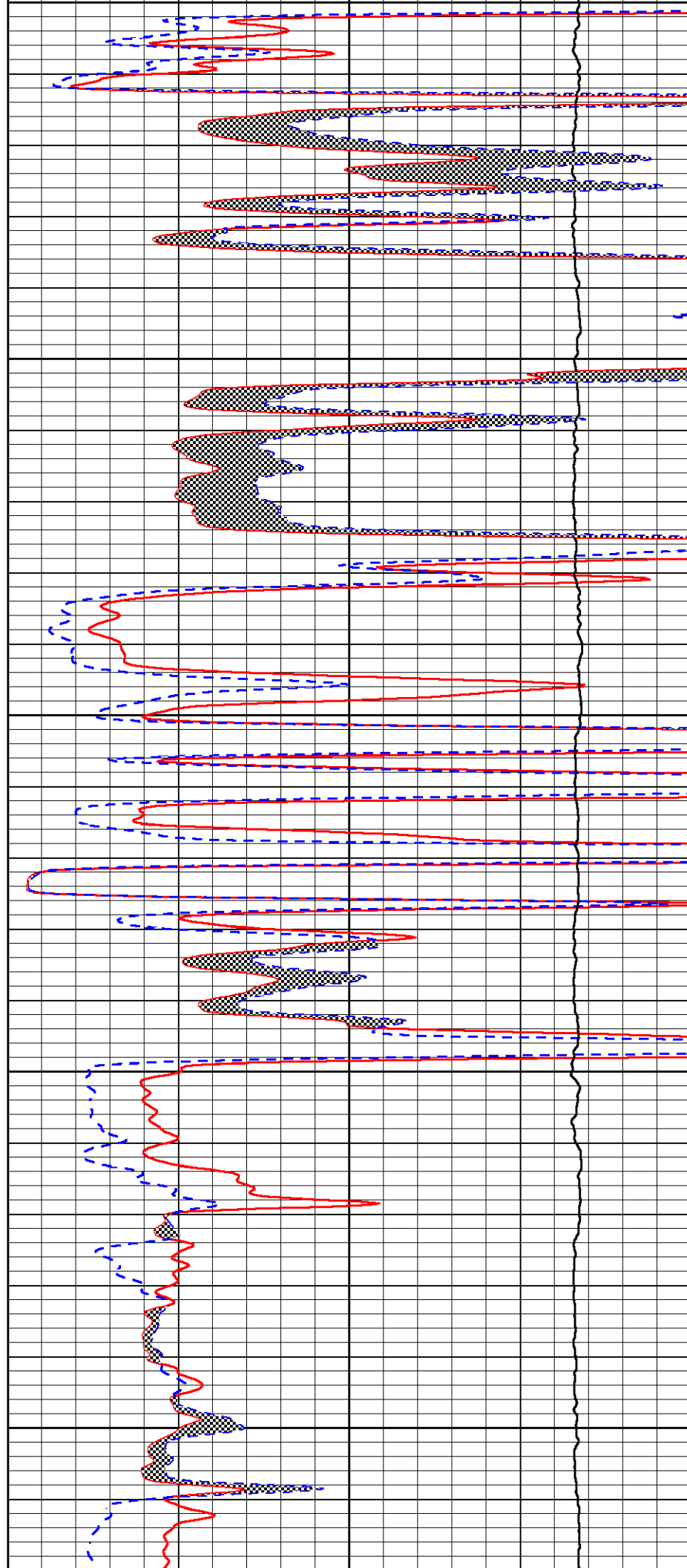
3730

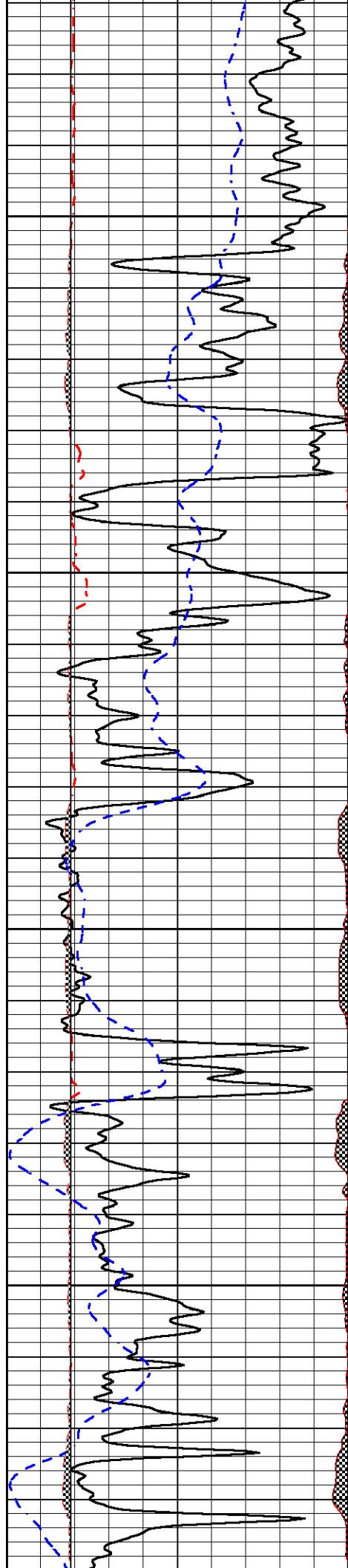
3800

3850

3900

3950



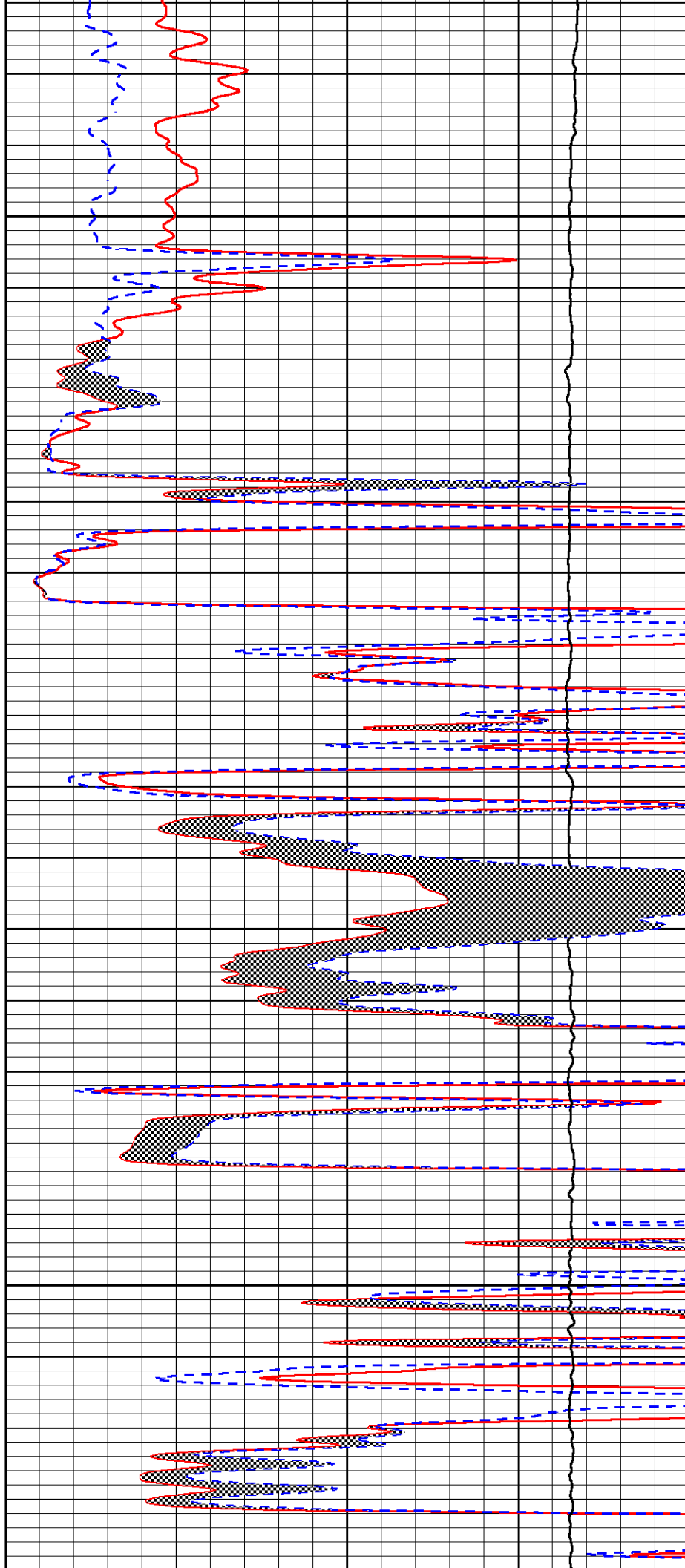


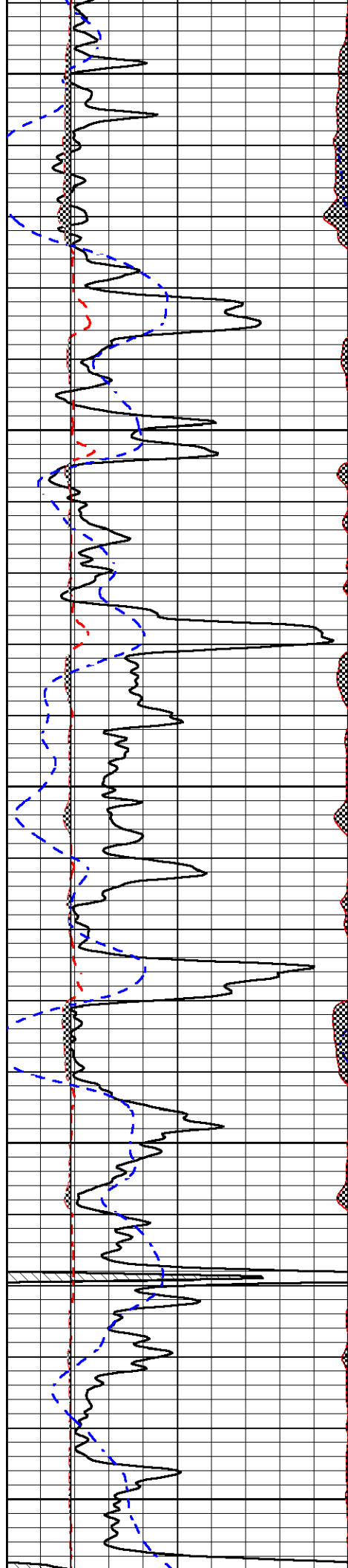
4000

4050

4100

4150





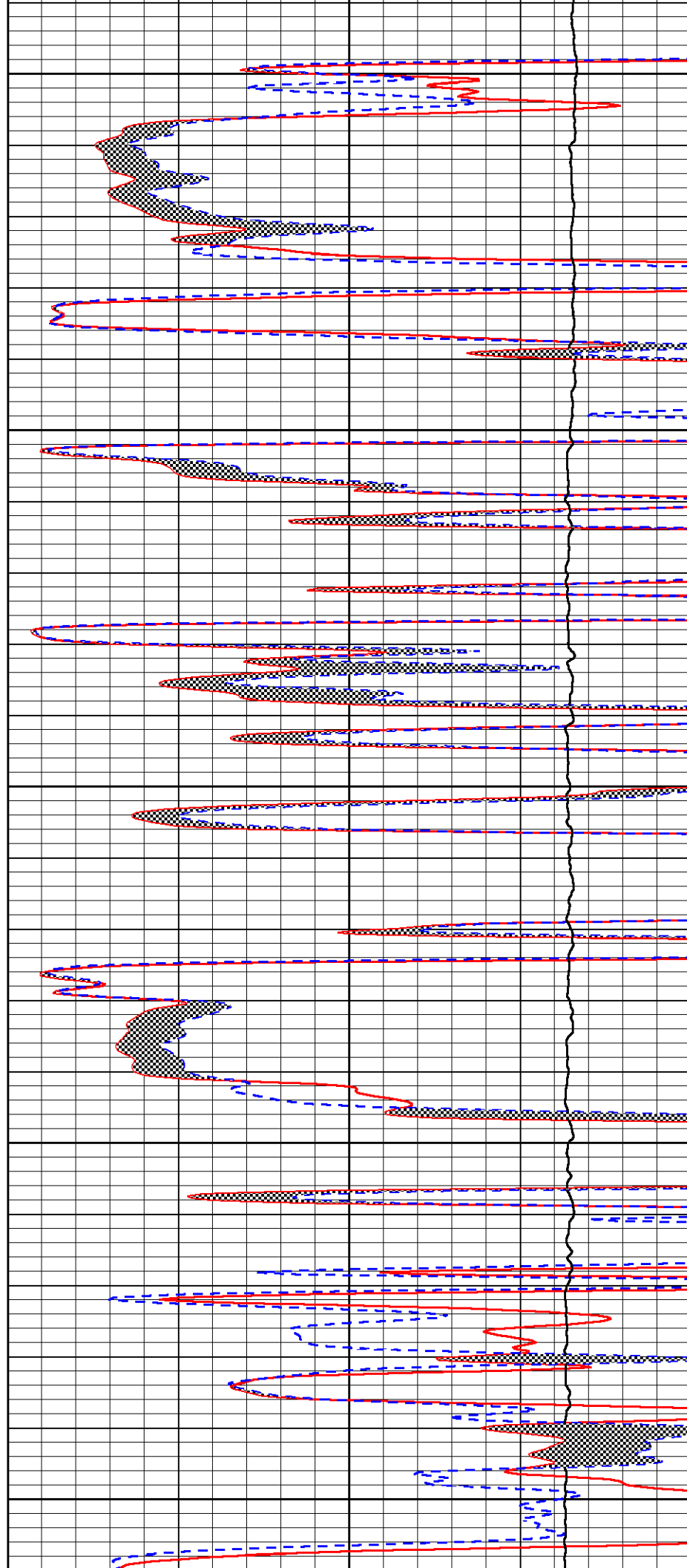
4200

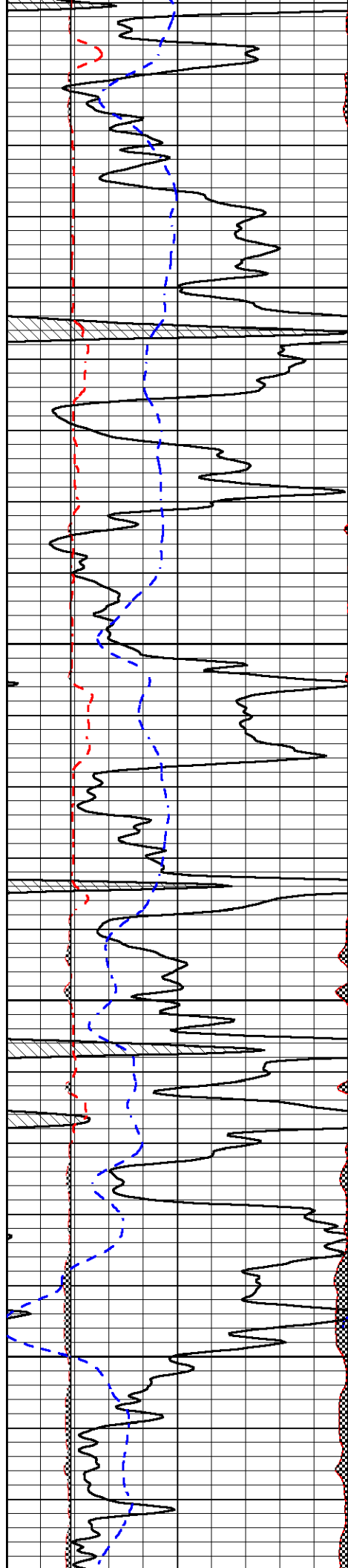
4250

4300

4350

4400



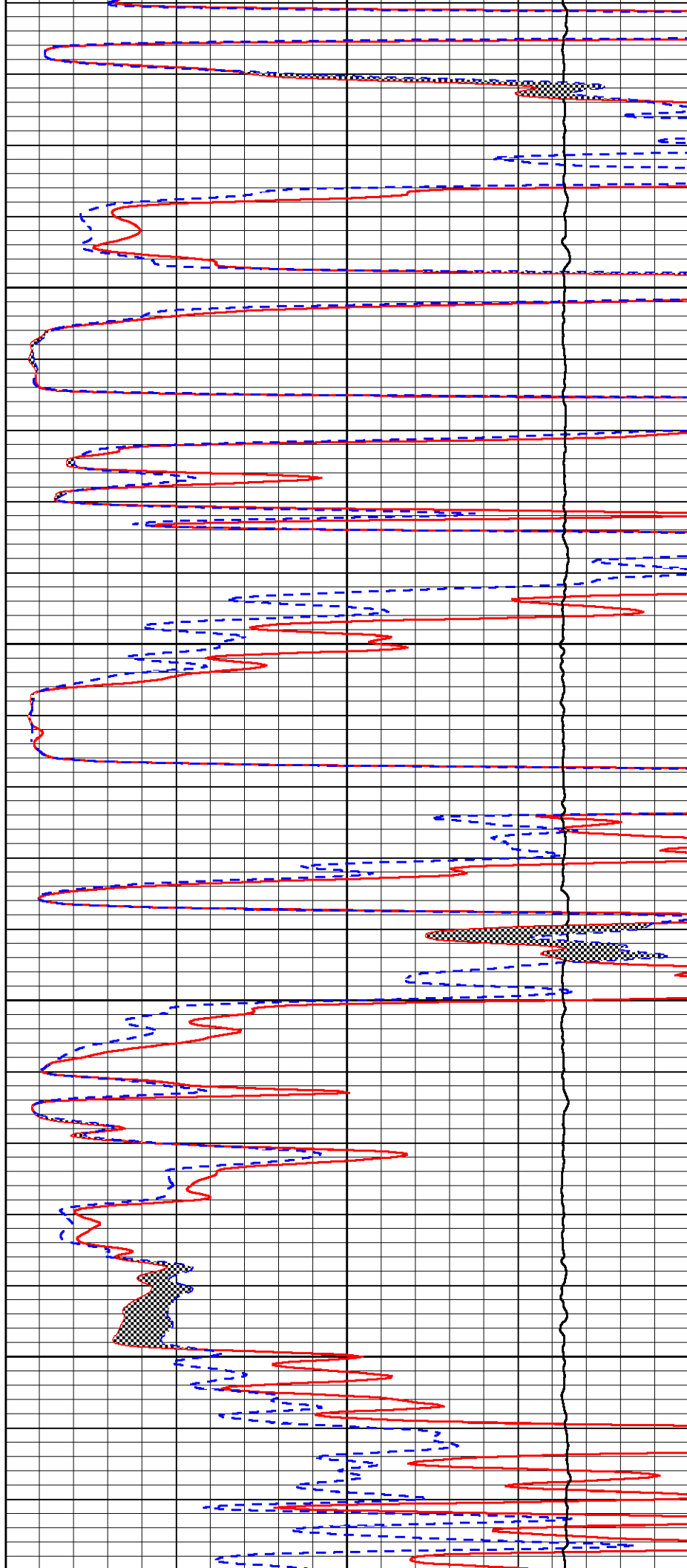


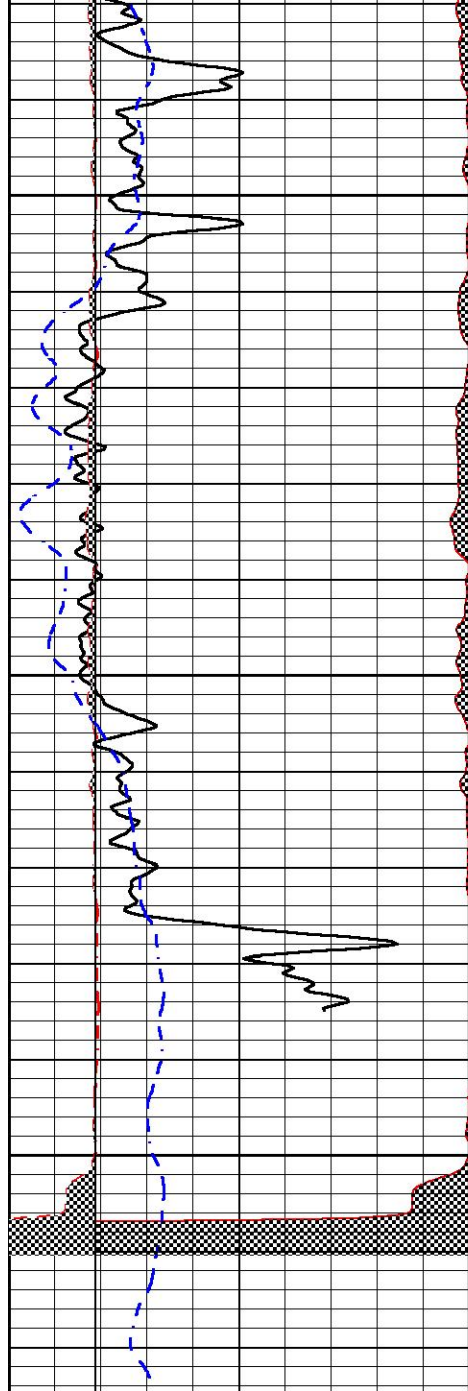
4450

4500

4550

4600



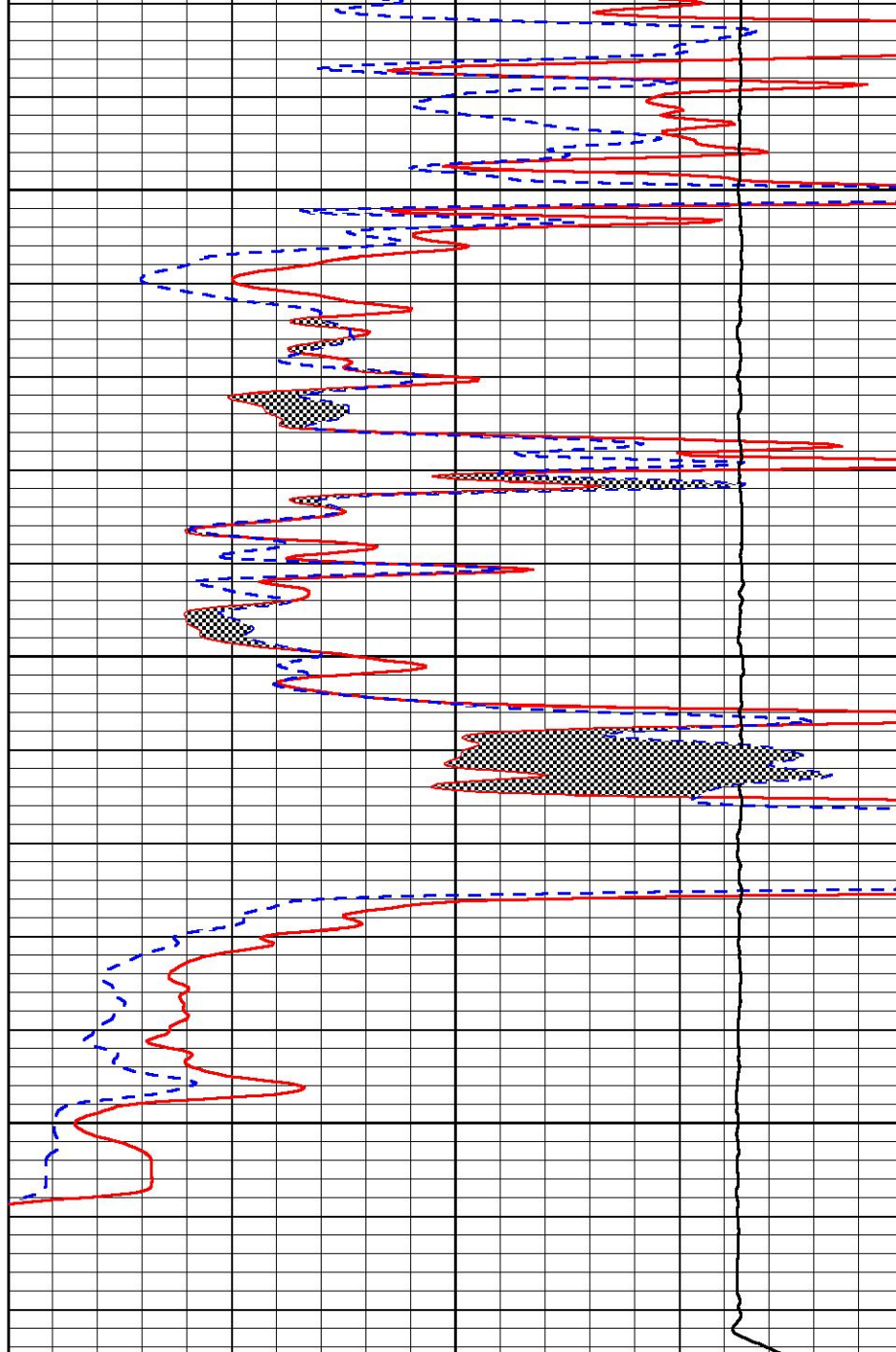


0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
2.875	mcal (in)	7.875
-200	sp (mV)	0

4650

4700

4750



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

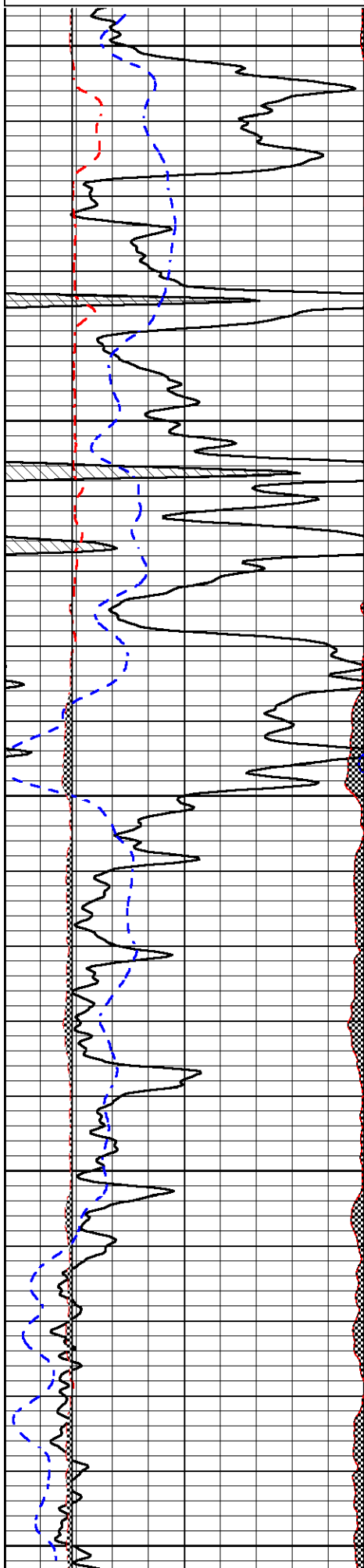
REPEAT PASS

Database File griffin_gary #2.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _micro
 Dataset Creation Tue Aug 08 15:30:18 2023
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40

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



4500

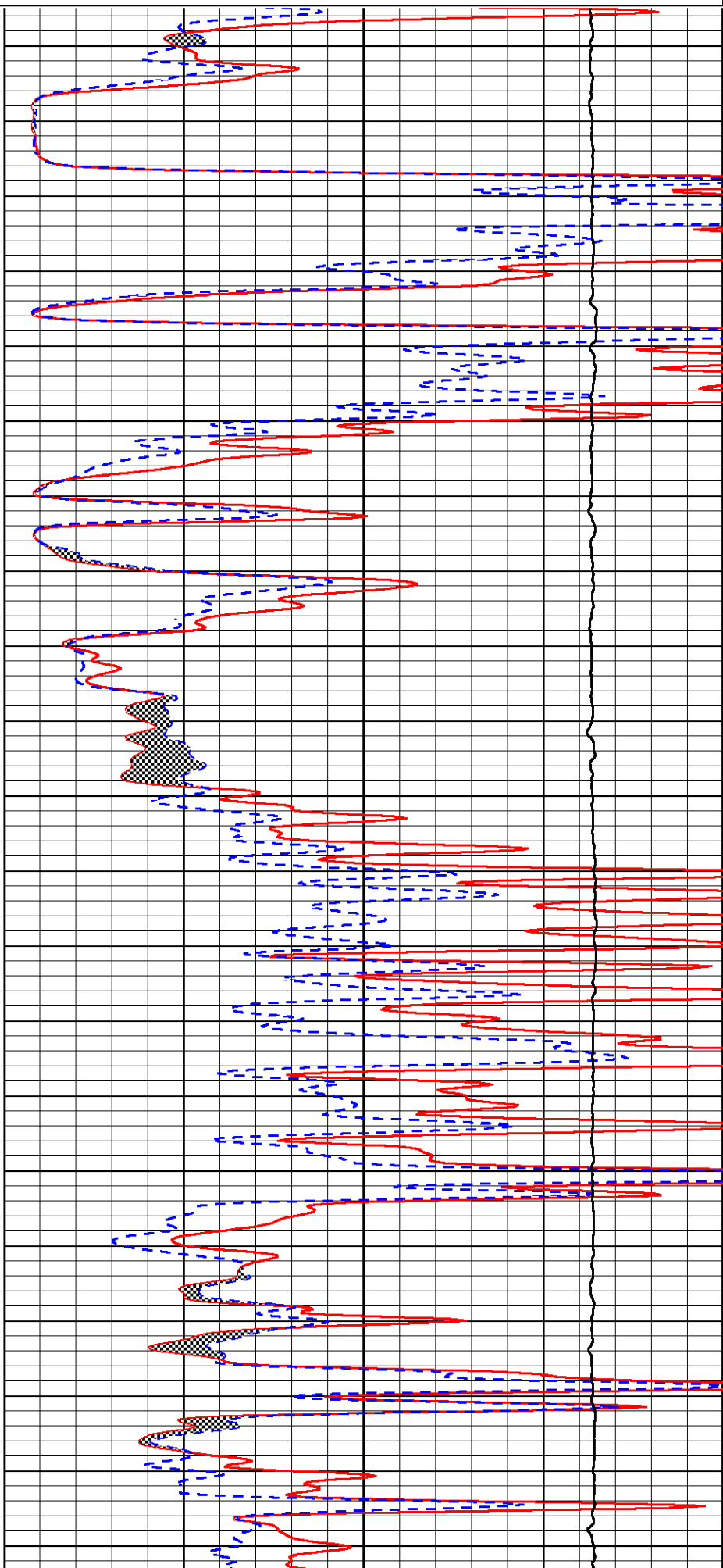
4550

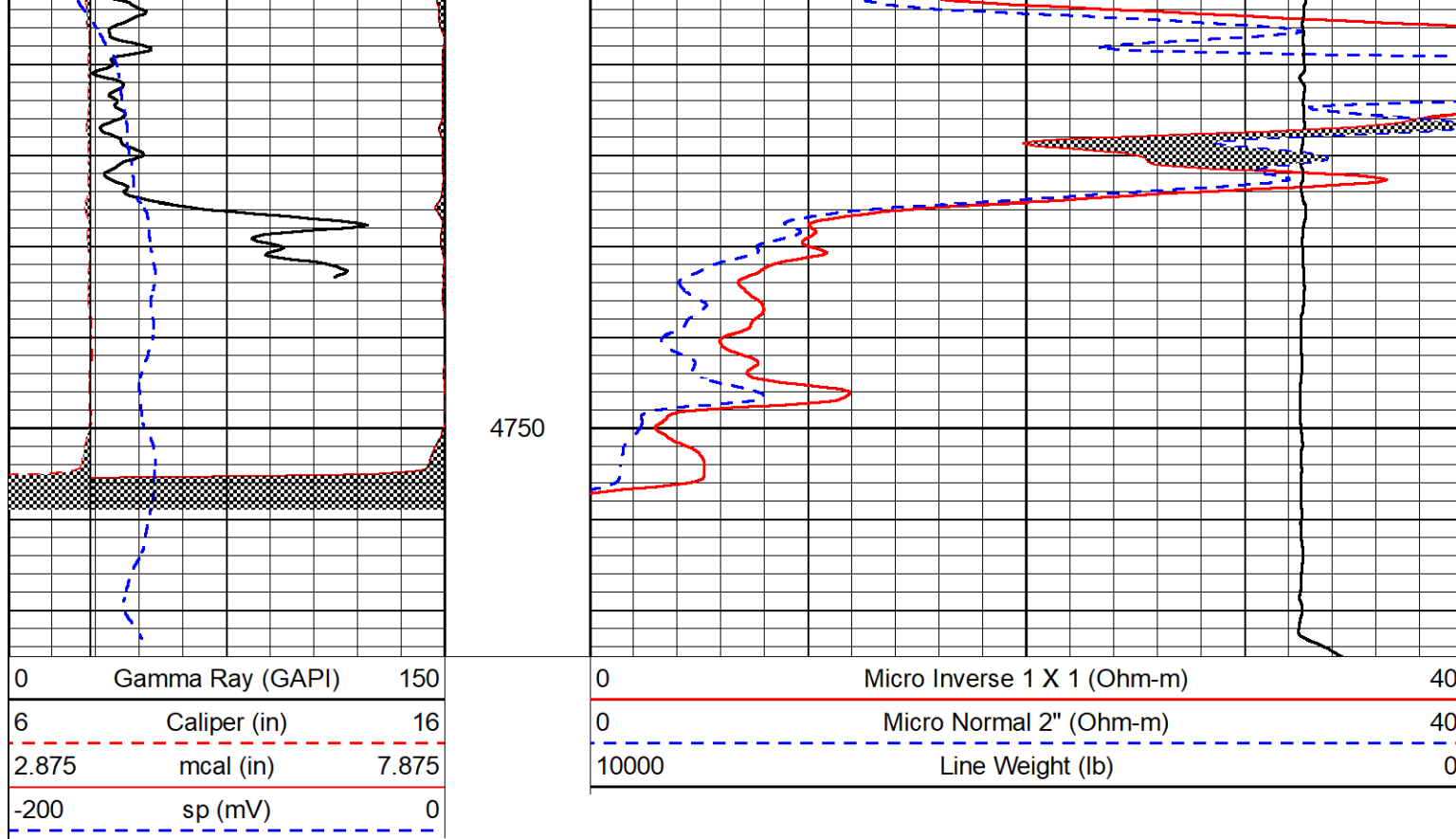
4600

4650

4700

10000 Line Weight (lb) 0





Calibration Report

Database File griffin_gary #2.db
 Dataset Pathname StkMI/pass3.1
 Dataset Creation Tue Aug 08 16:04:29 2023

Dual Induction Calibration Report

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

Loop:	Readings		References			Results	
	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	0.470	-84.000

Microlog Calibration Report

Serial-Model: 401-PSIML
 Performed: Mon Jun 5 16:37:07 2023

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	15000.0000	-0.7000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	15000.0000	-0.7500
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-138.7500

LITHODENSITY Calibration Report

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

Source:									
	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			PE				
		Actual	Calibrated		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		
Magnesium:									
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:			Reference: 6.0 in		Reading: 0.2				
Large Ring:			15.0 in		0.8				
Gain:			16.161						
Offset:			0.890						
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			
Gamma Ray Calibration Report									
Serial Number: 105									

Performed:	Mon Aug 7 20:46:01 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps



MIDWEST WIRELINE

Company	Griffin Management LLC
Well	Gary #2
Field	Turkey Creek East
County	Barber
State	Kansas