

MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Shakespeare Oil Co., Inc.		Company Shakespeare Oil Co., Inc.	
Well	Ottley #3-21	Well	Ottley #3-21
Field	Chalk Buttes	Field	Chalk Buttes
County	Logan	County	Logan
State	Kansas	State	Kansas
Location: API #: 15-109-21618-00-00		Other Services	
SW/4 1150' FSL & 335' FWL SEC 21 TWP 14S RGE 32W		CNL/CDL BHCS	
Permanent Datum	Ground Level	Elevation	2712'
Log Measured From	Kelly Bushing	K.B.	2721'
Drilling Measured From	Kelly Bushing	D.F.	N/A
		G.L.	2712'
Date	5/9/2021		
Run Number	One		
Depth Driller	4450'		
Depth Logger	4453'		
Bottom Logged Interval	4452'		
Top Log Interval	3500'		
Casing Driller	8.625" @ 255'		
Casing Logger	260'		
Bit Size	7.875"		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	4400		
Density / Viscosity	9.3 71		
pH / Fluid Loss	10.0 9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.60 @ 70		
Rmt @ Meas. Temp	0.45 @ 70		
Rmc @ Meas. Temp	0.81 @ 70		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.35 @ 121		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	121		
Equipment Number	P-24		
Location	HAYS		
Recorded By	D. Schmidt		
Witnessed By	Kent Matson		

<<< 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.

Oakley,
South on Hwy 83 to Jayhawk Rd,
1/2 West to 430 Rd, 1/2 South, 1/2 West, 1/4 South,
West to location

Log Measured From: Kelly Bushing

9 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Kent Matson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\shakespeare_ottley 3-21.db
Dataset field/well/stkml/pass4.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 121	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m 0	mmho/m 0	mV 245	degF 70	Off	ft 4453

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



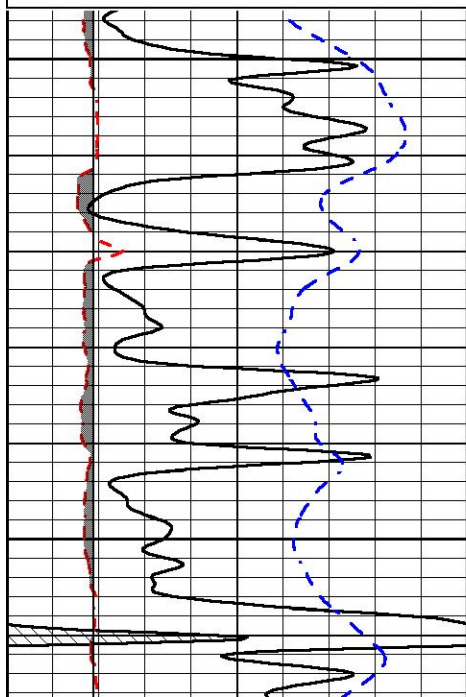
DETAIL SECTION

MAIN PASS

Database File shakespeare_ottley 3-21.db
Dataset Pathname stkml/pass4.1
Presentation Format _micro
Dataset Creation Sun May 09 18:11:13 2021
Charted by Depth in Feet scaled 1:240

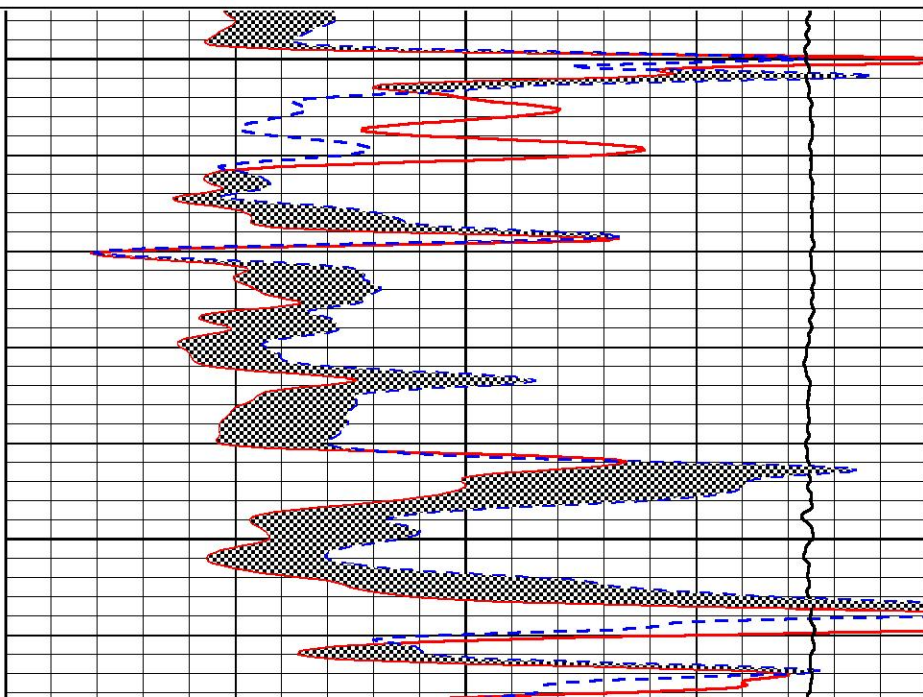
0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

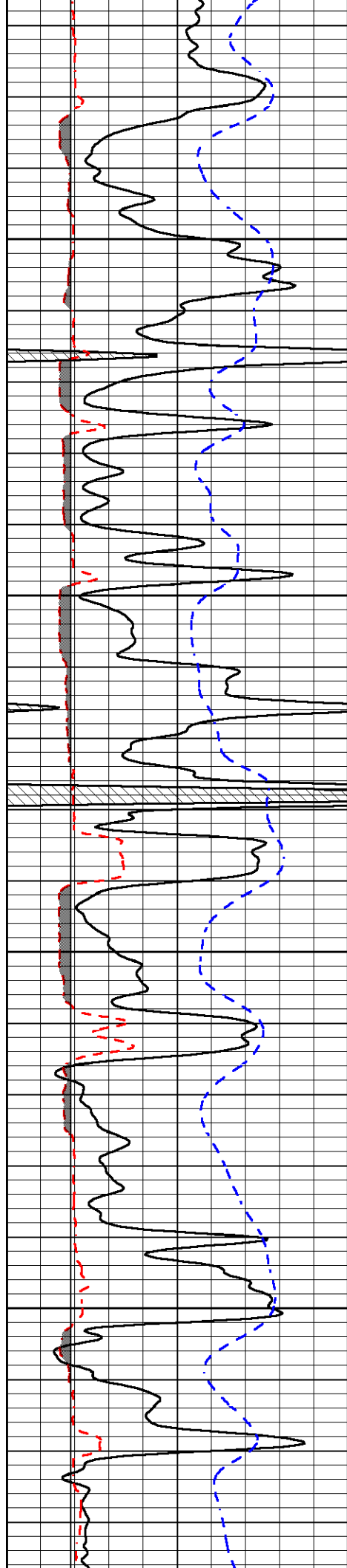
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



3500

3550



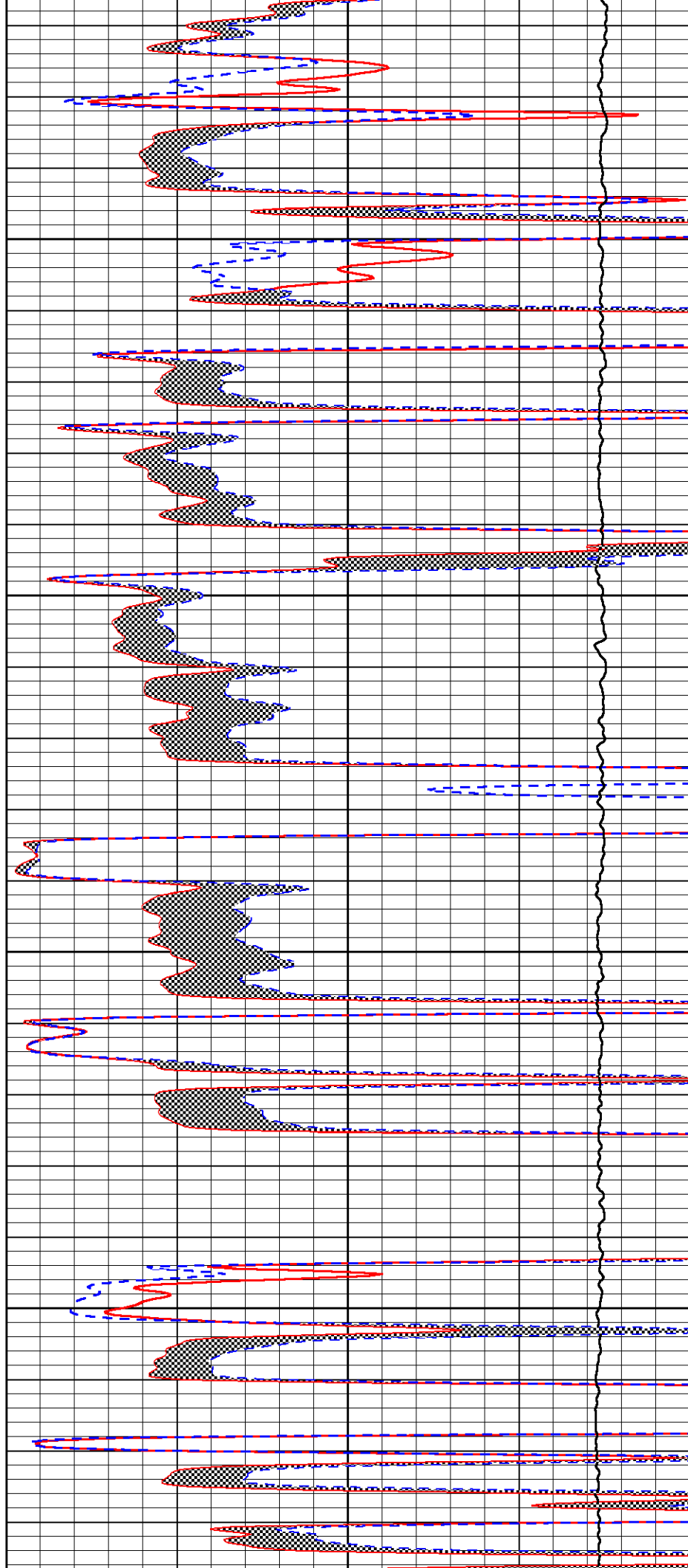


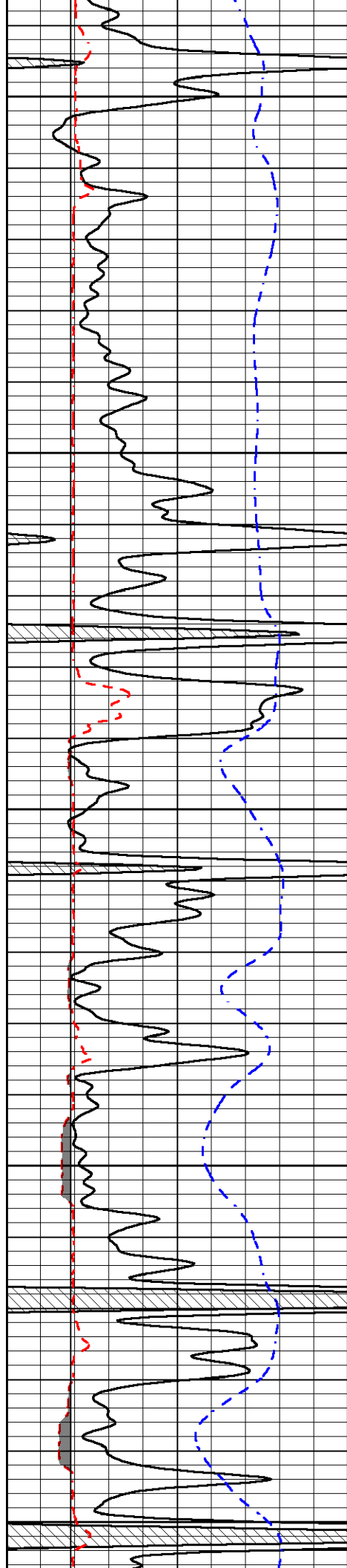
3600

3650

3700

3750





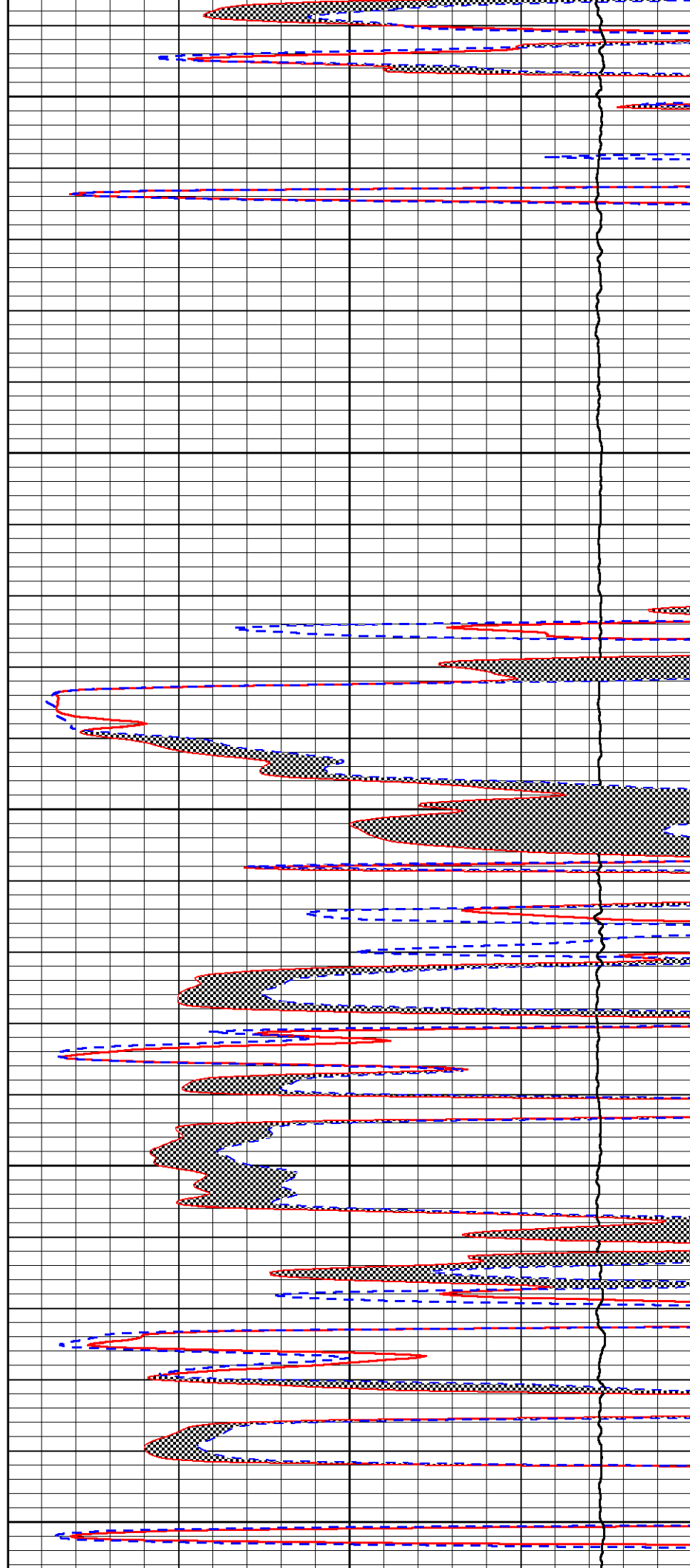
3800

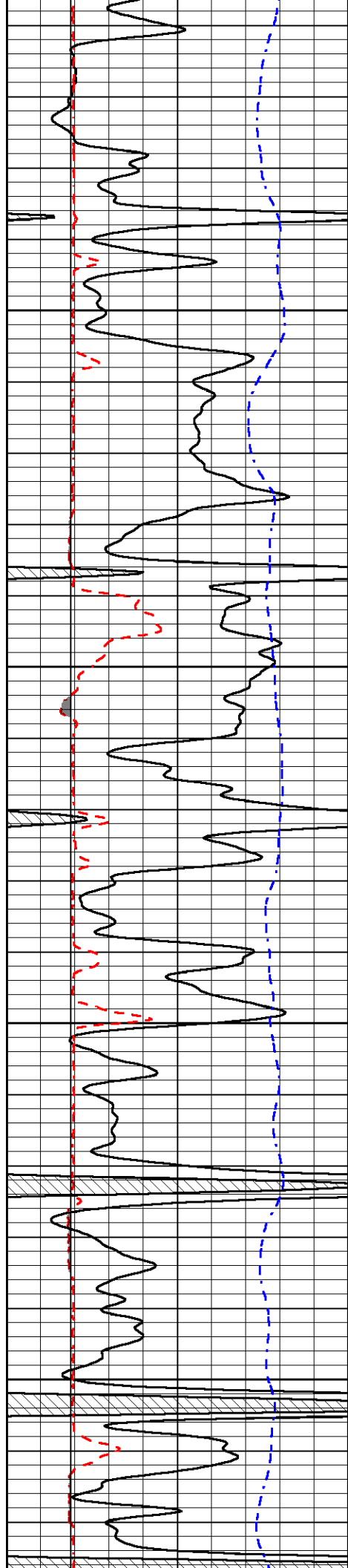
3850

3900

3950

4000



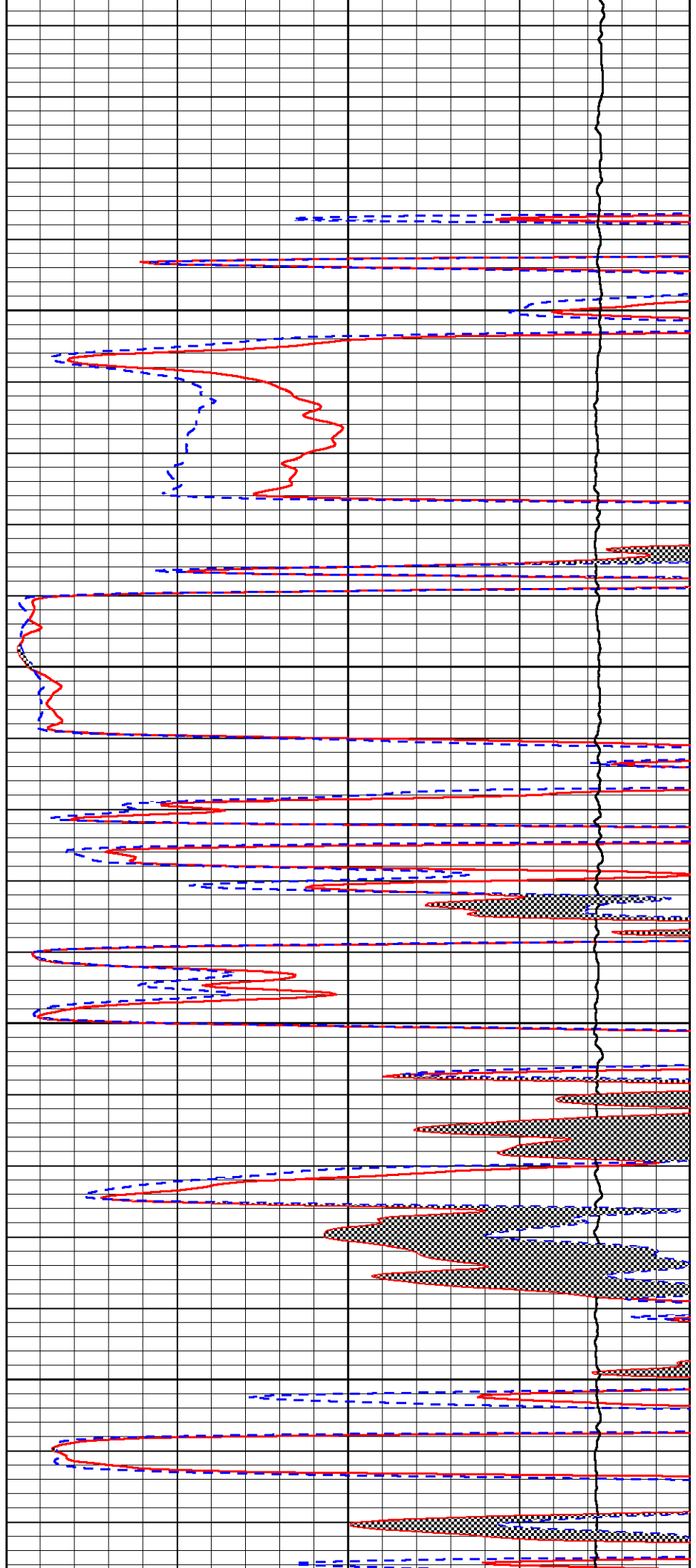


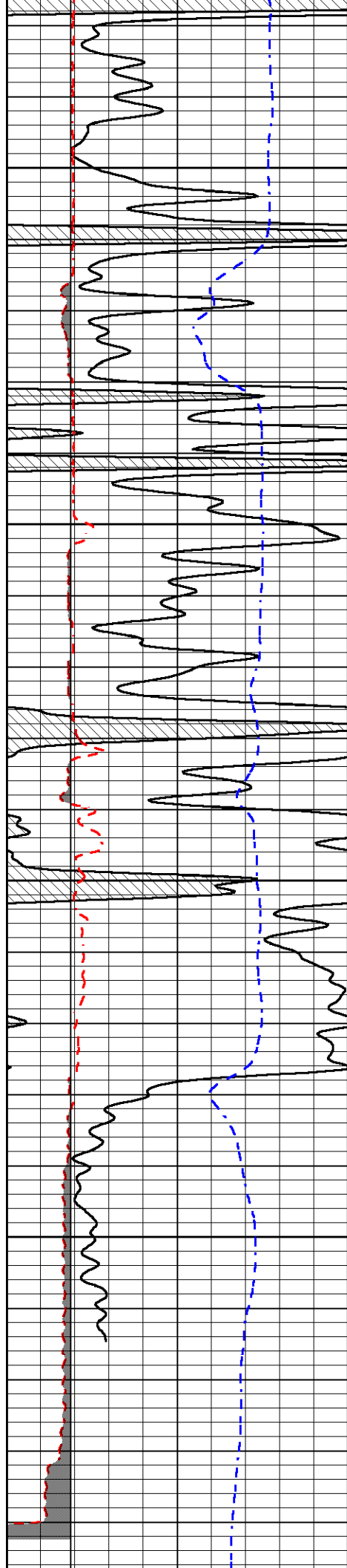
4050

4100

4150

4200



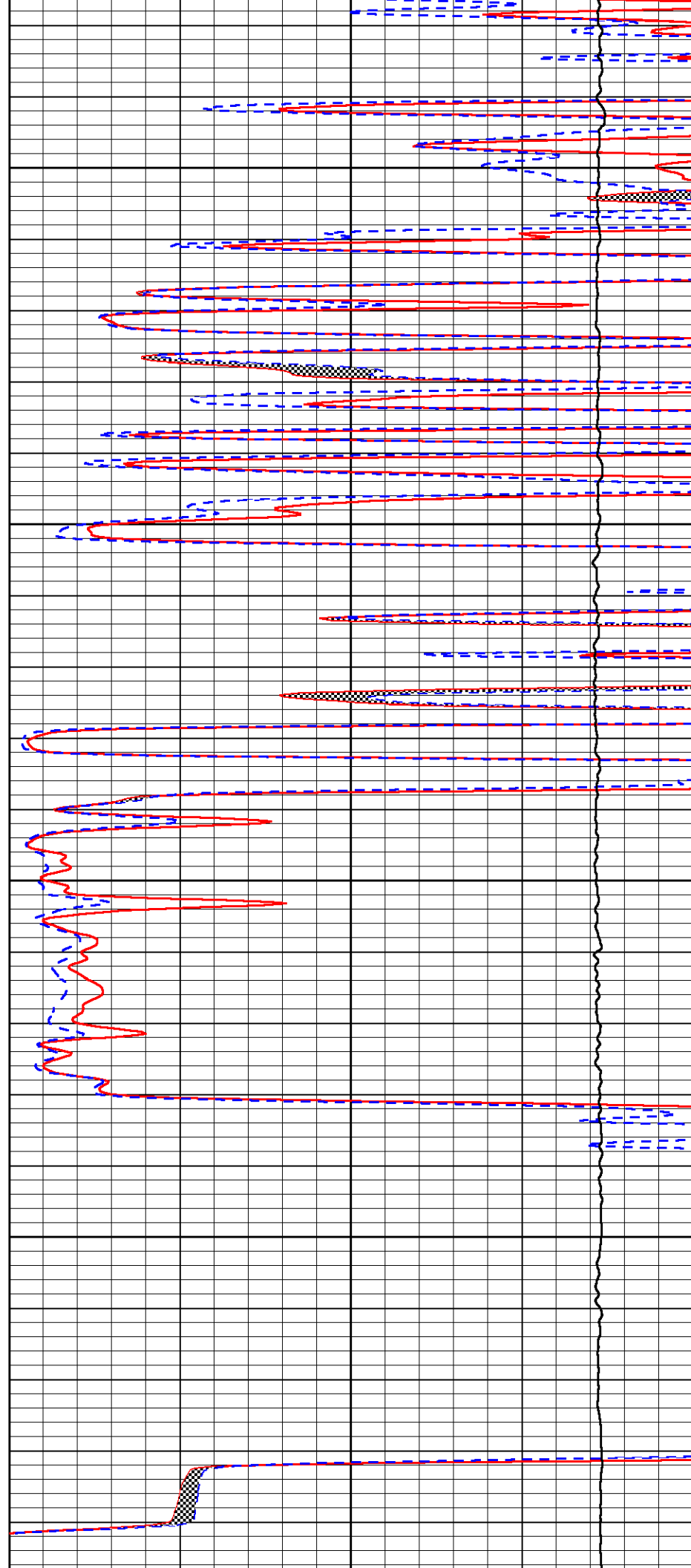


4250

4300

4350

4400



0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

4450

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0



MIDWEST WIRELINE

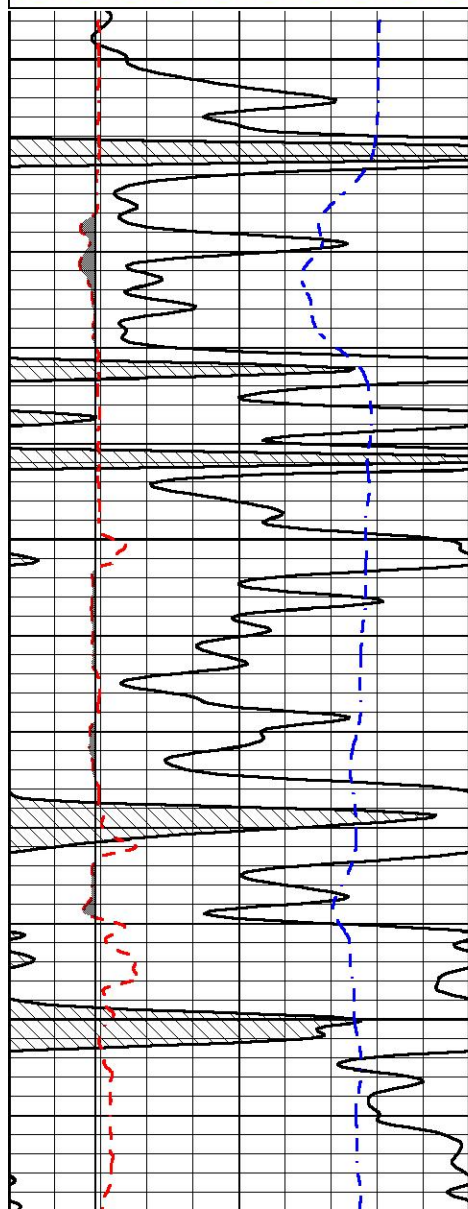
REPEAT SECTION

REPEAT PASS

Database File shakespeare_ottley 3-21.db
 Dataset Pathname stkml/pass2.1
 Presentation Format _micro
 Dataset Creation Sun May 09 18:18:35 2021
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-200	sp (mV)	0

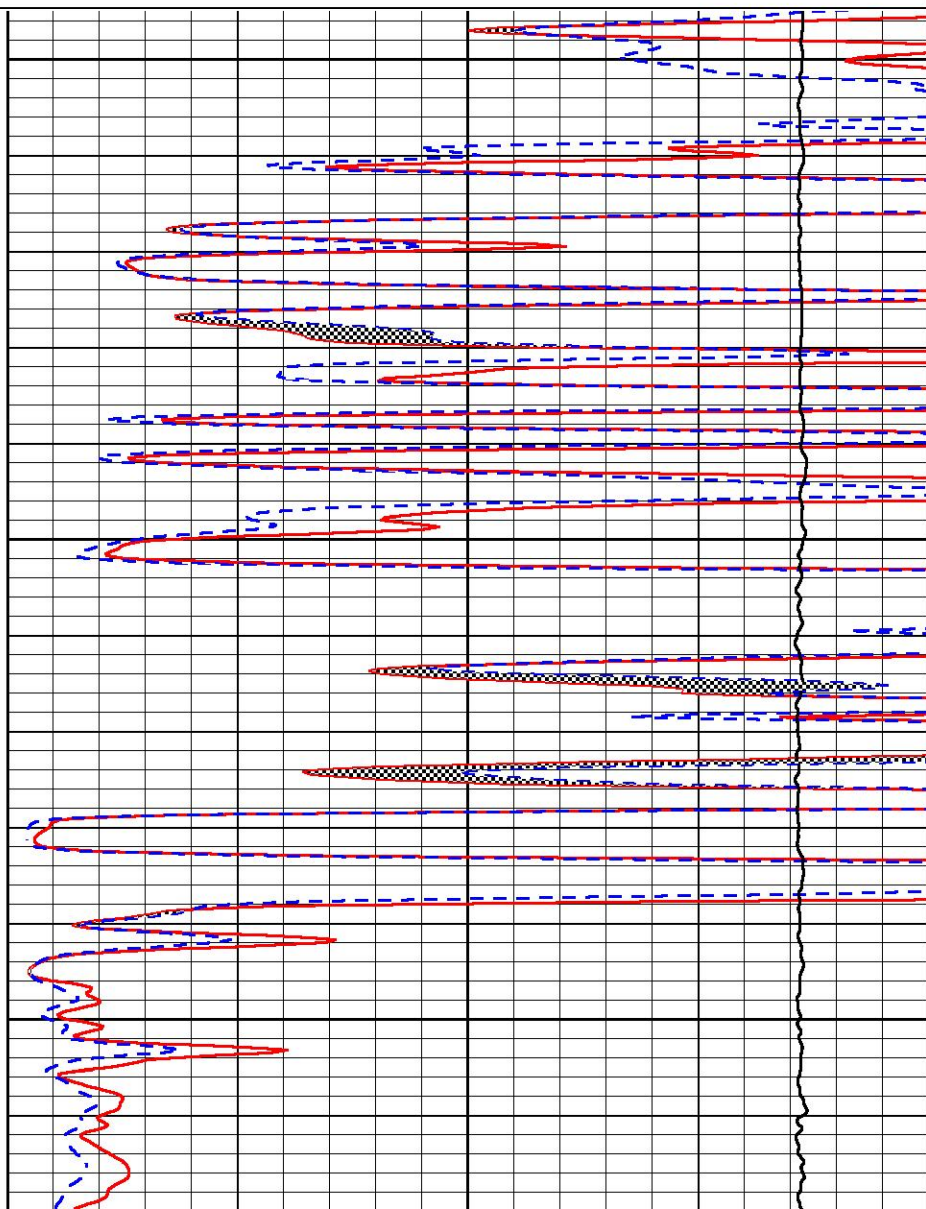
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
10000	Line Weight (lb)	0

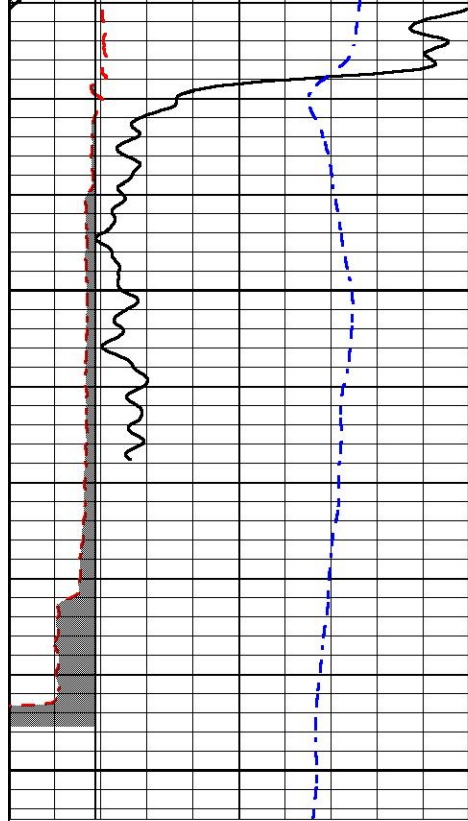


4250

4300

4350





4400

4450

0	GAMMA RAY (GAPI)	150
6	MCAL (in)	16
6	Bit Size (in)	16
-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



MIDWEST WIRELINE

Company Shakespeare Oil Co., Inc.
 Well Ottley #3-21
 Field Chalk Buttes
 County Logan
 State Kansas