



PIONEER

Pioneer Energy Services

MICRORESISTIVITY LOG

Company VAL ENERGY, INC. Well SCHMADERER #1-23 Field WILDCAT County RAWLINS State KANSAS		Company VAL ENERGY, INC. Well SCHMADERER #1-23 Field WILDCAT County RAWLINS State KANSAS	
Location: API #: 15-153-21239-00-00 1983' FNL & 969' FEL SEC 23 TWP 4S RGE 32W		Other Services CNL/CDL DIL	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING KELLY BUSHING	Elevation 2944' K.B. 2949' D.F. N/A G.L. 2944'	
Date	9/5/2019		
Run Number	ONE		
Depth Driller	4600'		
Depth Logger	4600'		
Bottom Logged Interval	4599'		
Top Log Interval	3500'		
Casing Driller	8.625" @ 292'		
Casing Logger	290'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	2000		
Density / Viscosity	9.5 58		
pH / Fluid Loss	10.0 8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.85 @ 81		
Rmt @ Meas. Temp	.64 @ 81		
Rmc @ Meas. Temp	1.15 @ 81		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	.56 @ 122		
Operating Rig Time	2 HOURS		
Max Rec. Temp. F	122 DEGF		
Equipment Number	P-108		
Location	HAYS		
Recorded By	J. HENRICKSON		
Witnessed By	WES HANSEN		

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, 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.

GEM KANSAS

NORTH ON 27 RD TO C RD, 1 EAST, 6 NORTH,
1 EAST, 1/4 NORTH, WEST INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerres.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: J. HENRICKSON
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: WES HANSEN
Secondary Witness:
Secondary Witness:
Secondary Witness:

DatabaseC:\ProgramData\Warrior\Data\val_schmaderer_1_23.db
Dataset field/well/stackml/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	122	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	170	0	Off	4600

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)			
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00				
CNLSC	37.48		CNT-M&W (tk10-MW)	5.50	3.50	100.00				
CNSSC	36.73									
LSD	28.43		CDL-M&W (979-229)	8.50	4.00	250.00				
							DCAL	28.42		
									SSD	27.93
MCAL	19.83		ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00				
							MI	19.83		
									MN	19.83
RLL3	15.80	DIL-M&W (PSI 988)	18.50	3.50	220.00					
						RLL3F	15.79			
CILD	8.00									

CILM

4.70

SP

0.20

Dataset: val_schmaderer_1_23.db: field/well/stackml/pass3.1
 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

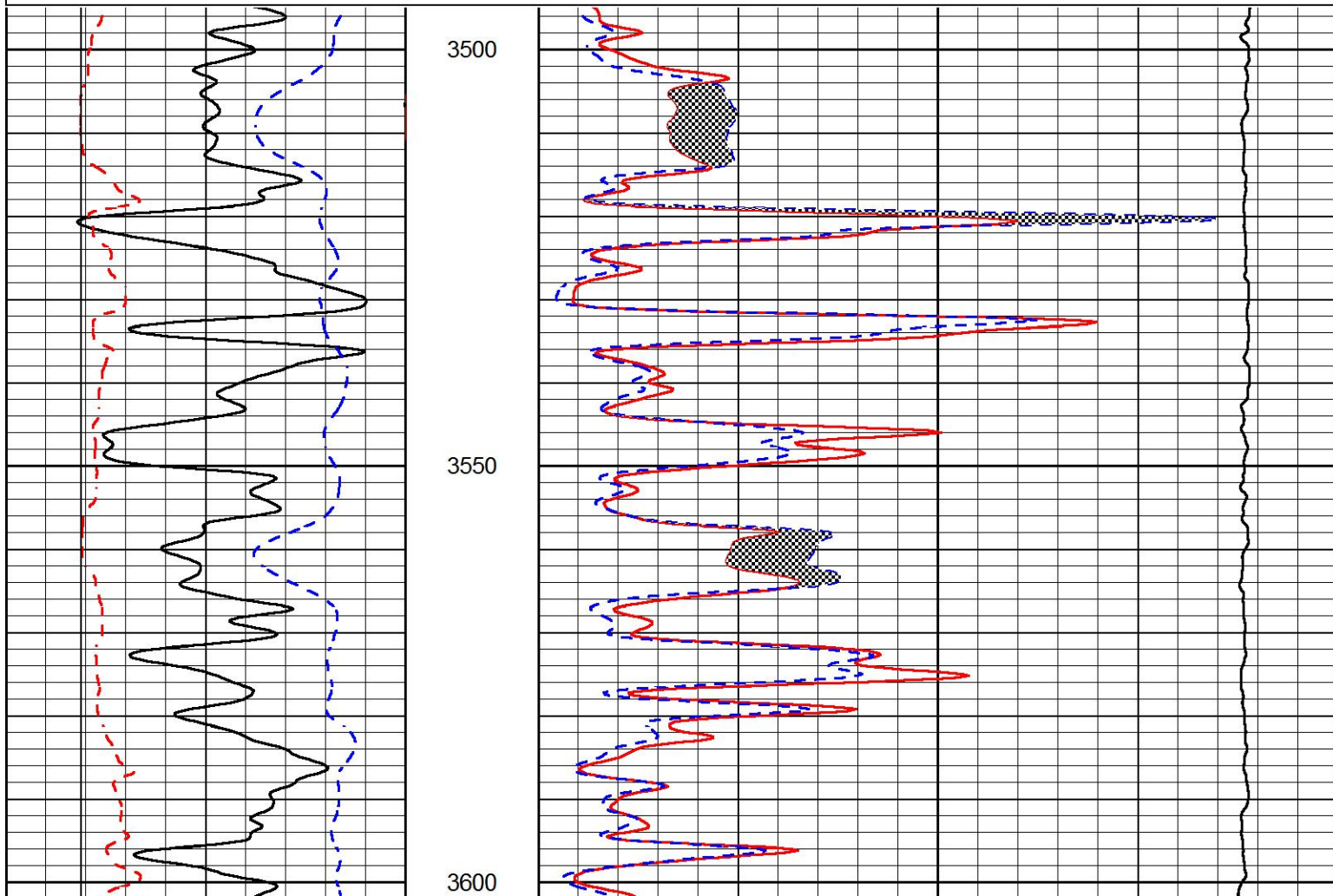


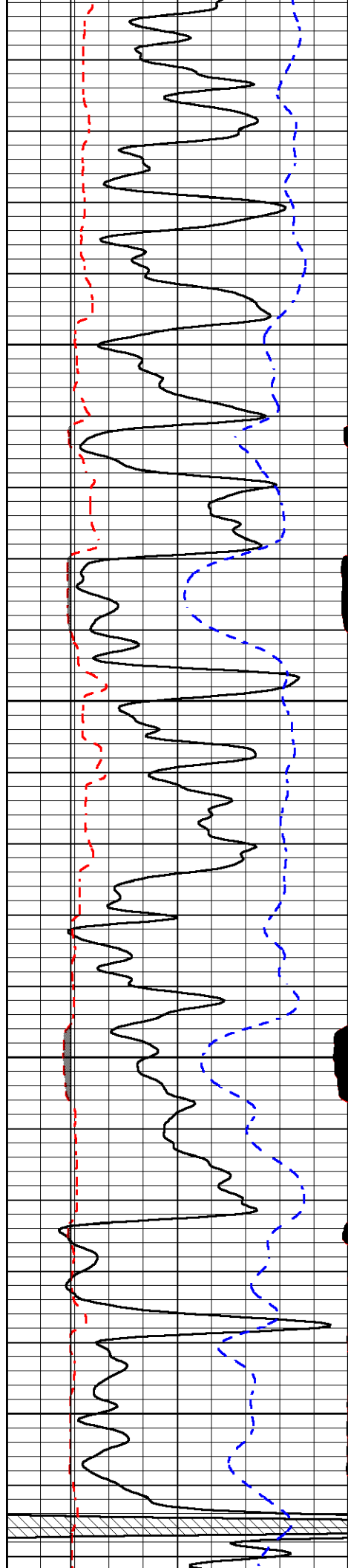
MAIN PASS

Database File val_schmaderer_1_23.db
 Dataset Pathname stackml/pass3.1
 Presentation Format micro
 Dataset Creation Thu Sep 05 17:49:38 2019
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (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
15000	LINE TENSION (lb)	0



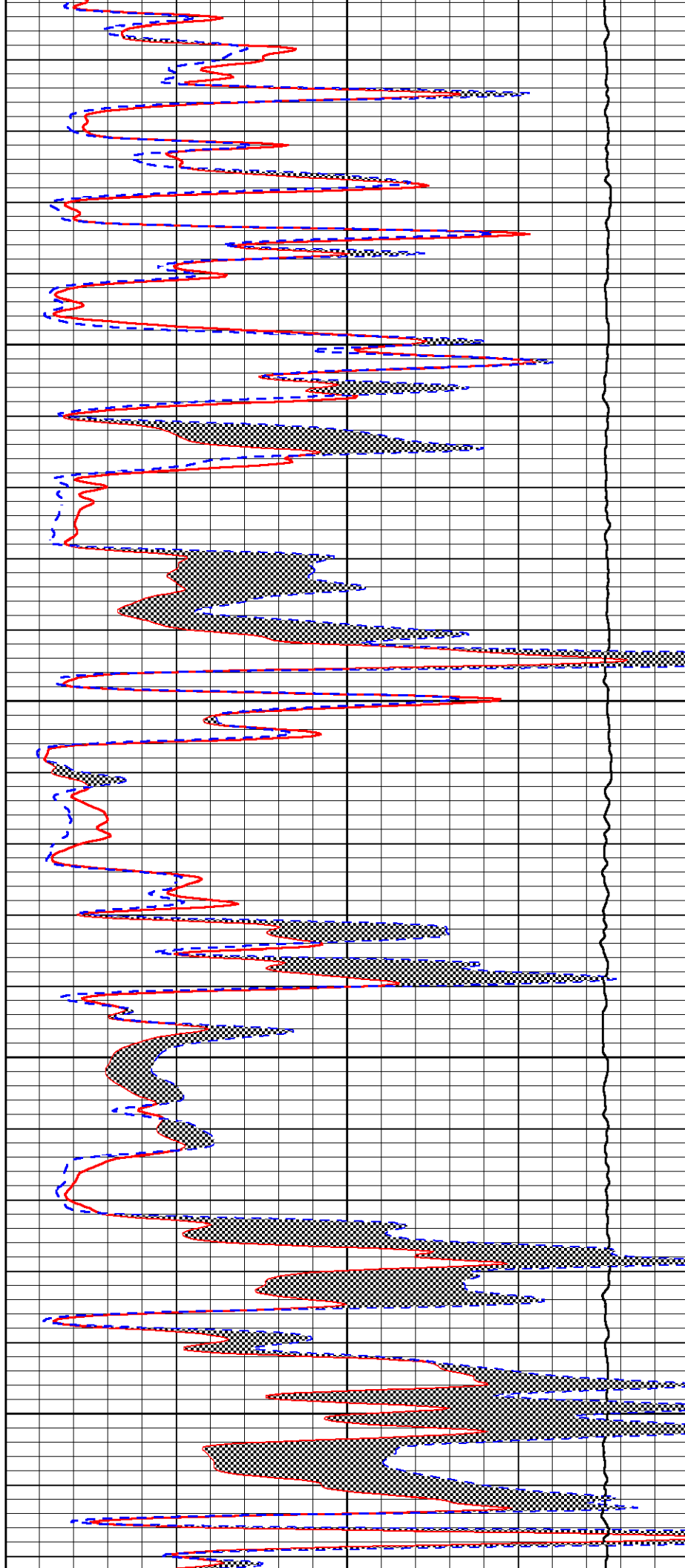


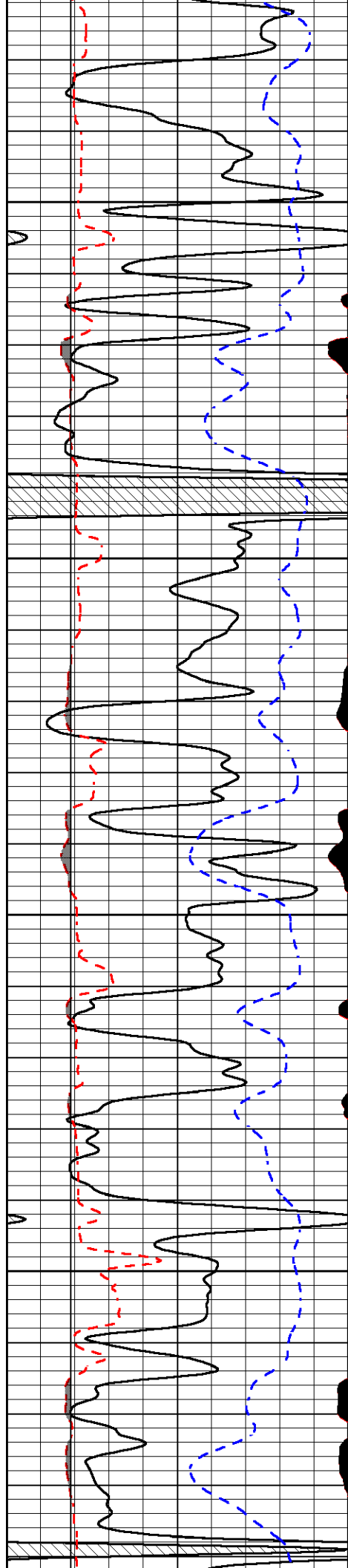
3650

3700

3750

3800



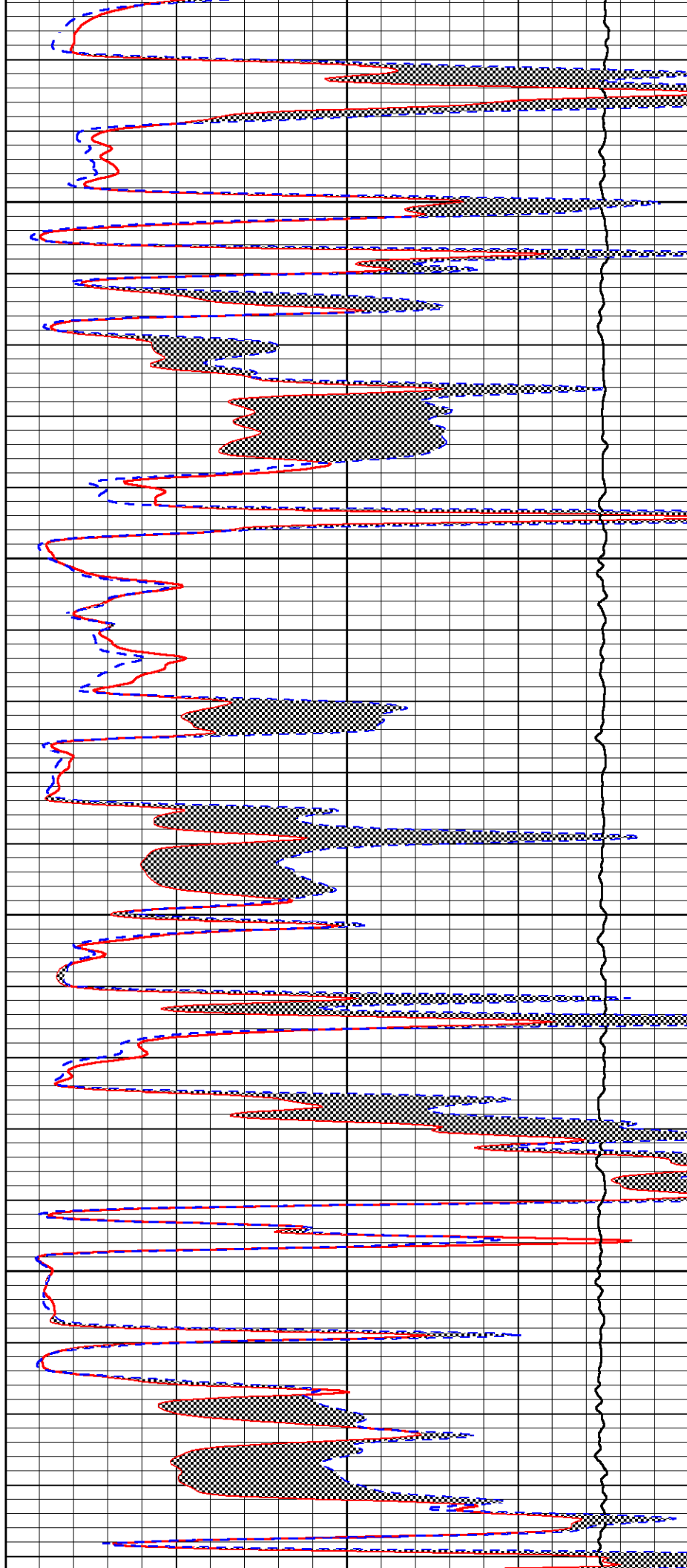


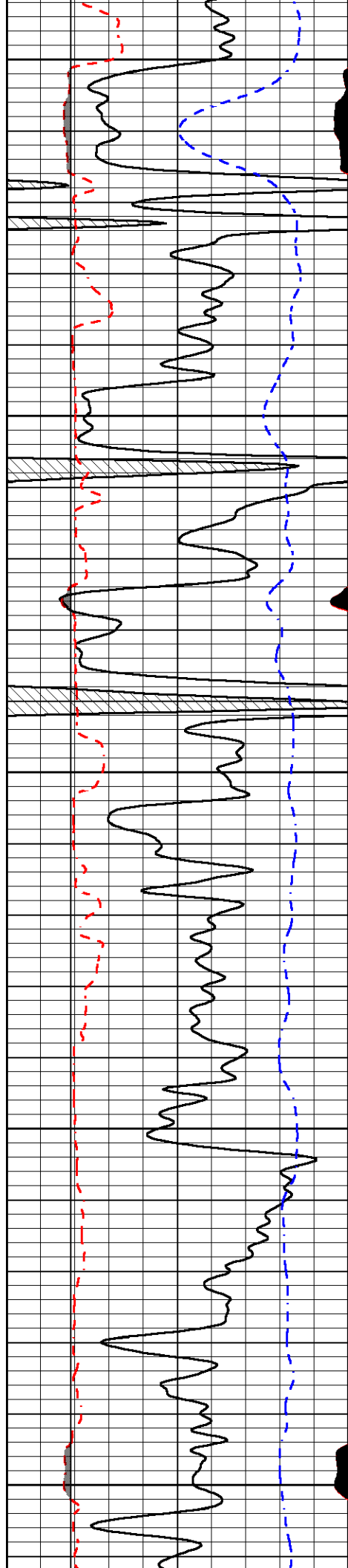
3850

3900

3950

4000





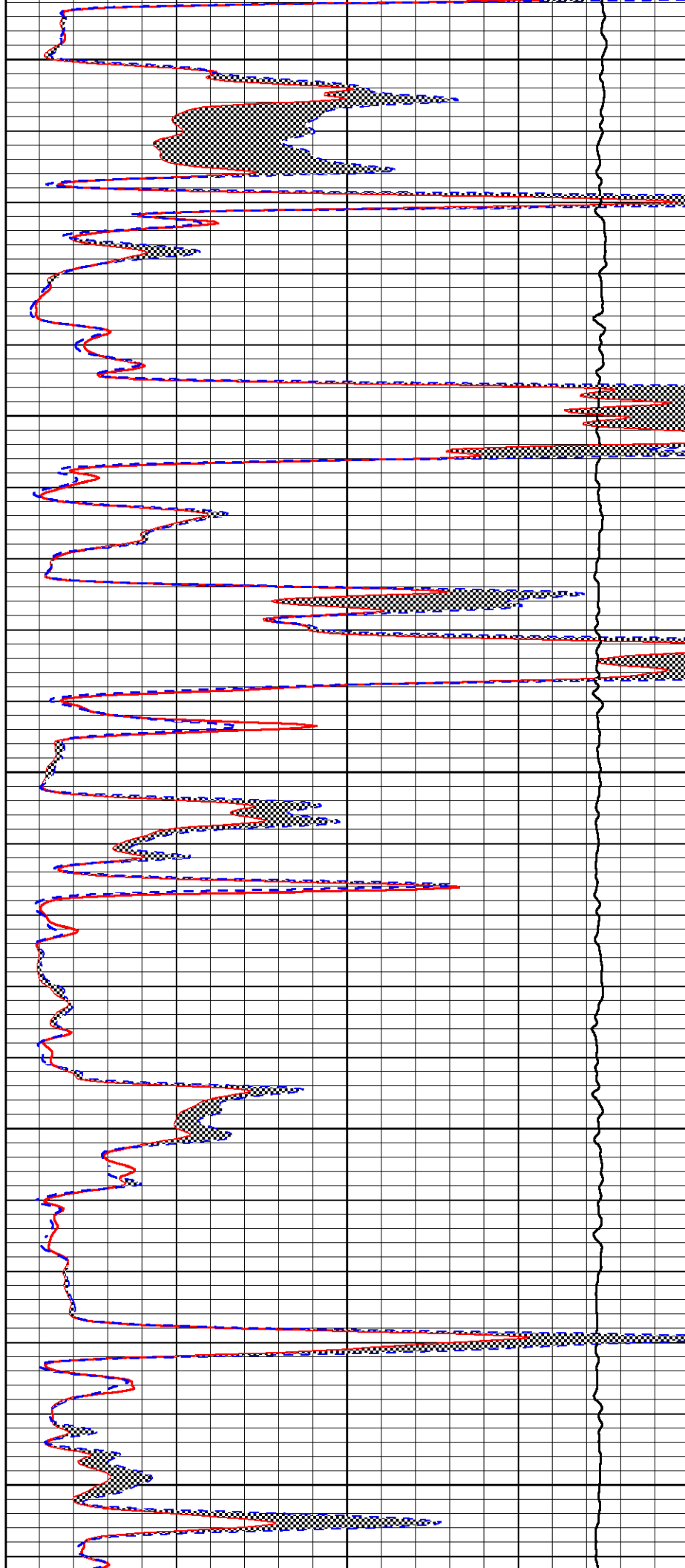
4050

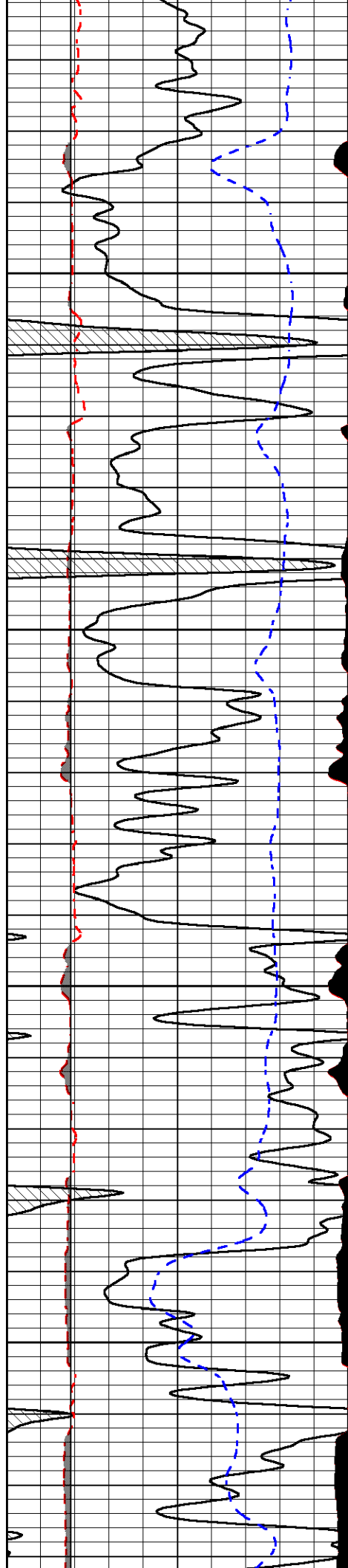
4100

4150

4200

4250



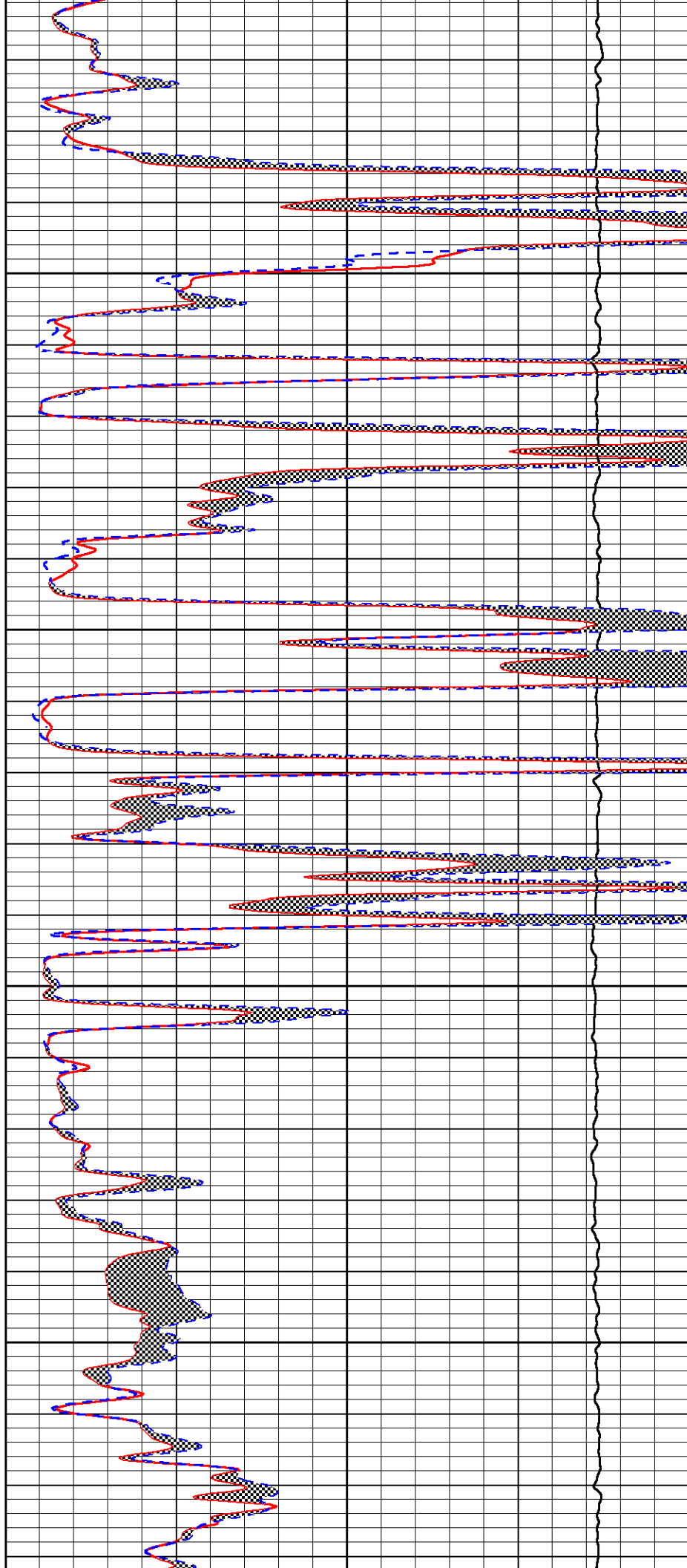


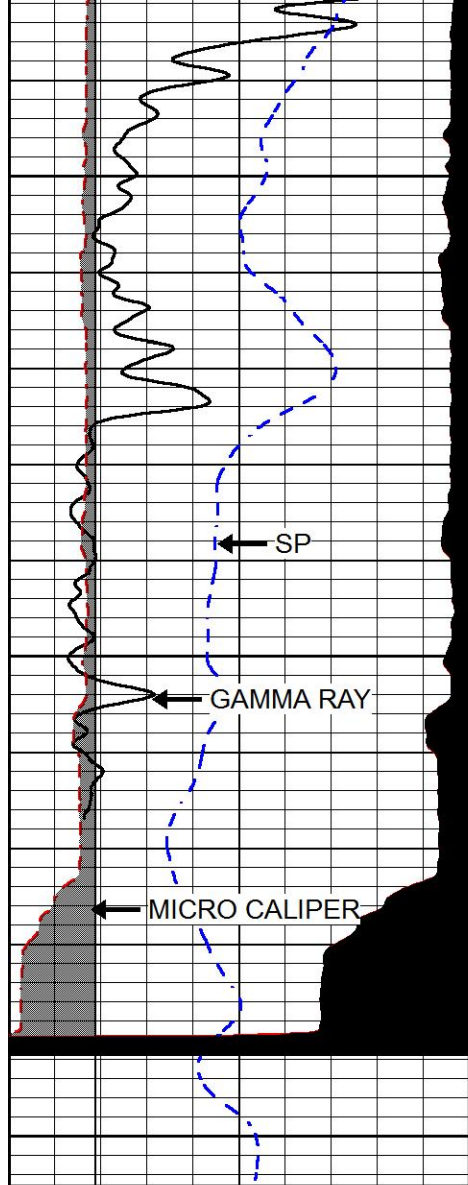
4300

4350

4400

4450



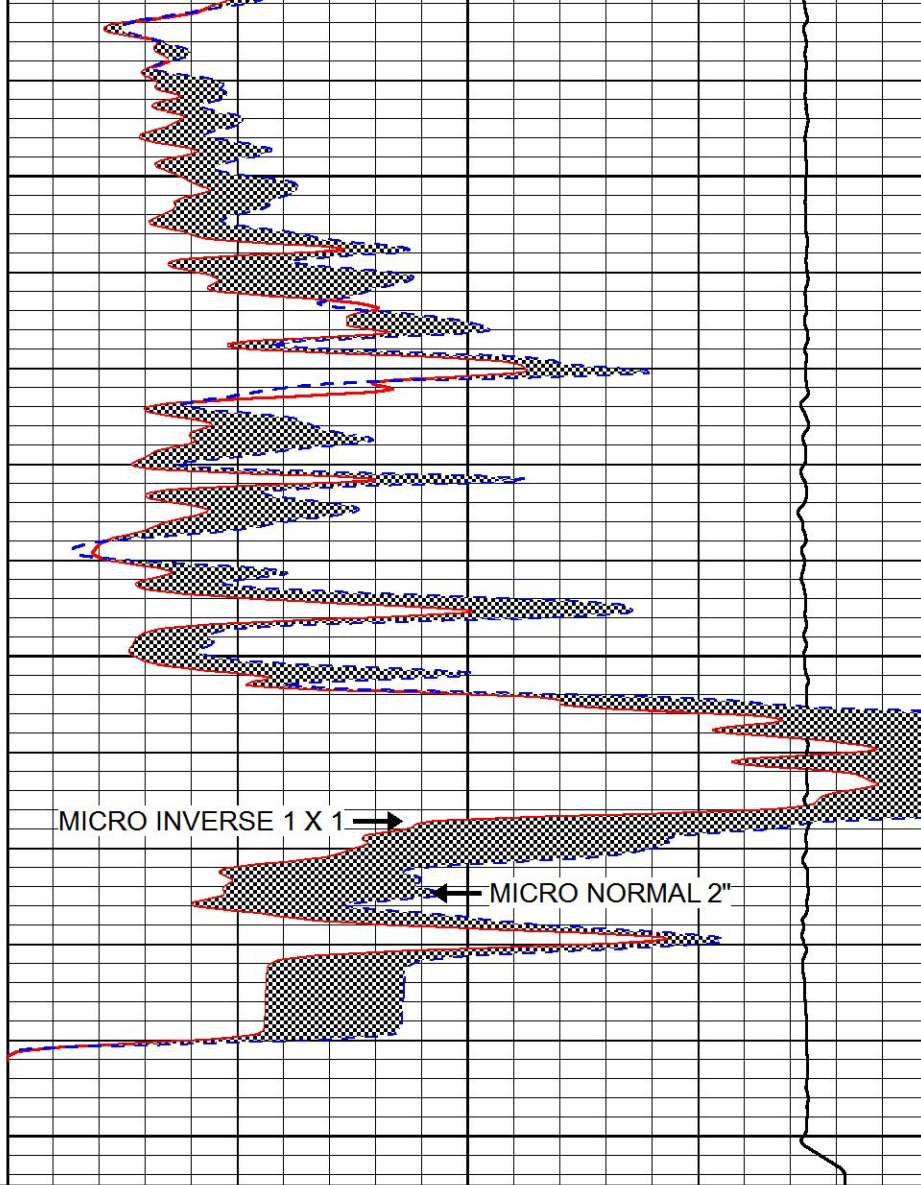


0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

4500

4550

4600



0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0

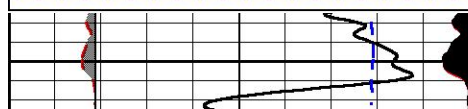


REPEAT SECTION

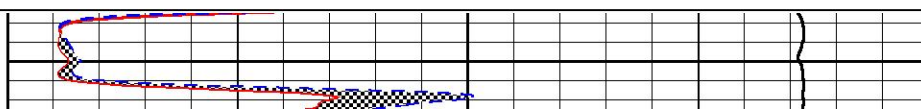
Database File val_schmaderer_1_23.db
 Dataset Pathname stackml/pass2.1
 Presentation Format micro
 Dataset Creation Thu Sep 05 17:49:52 2019
 Charted by Depth in Feet scaled 1:240

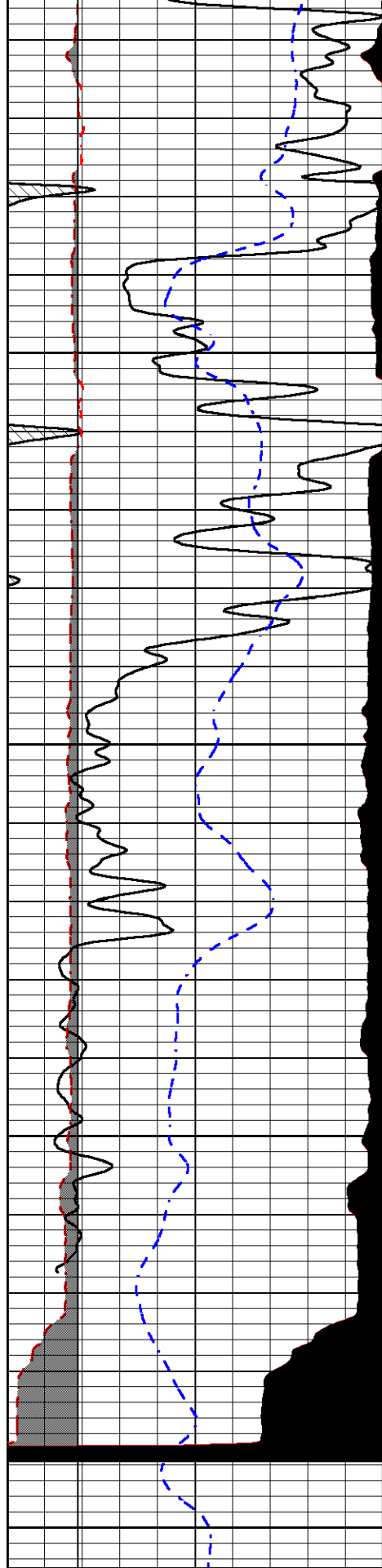
0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



4400





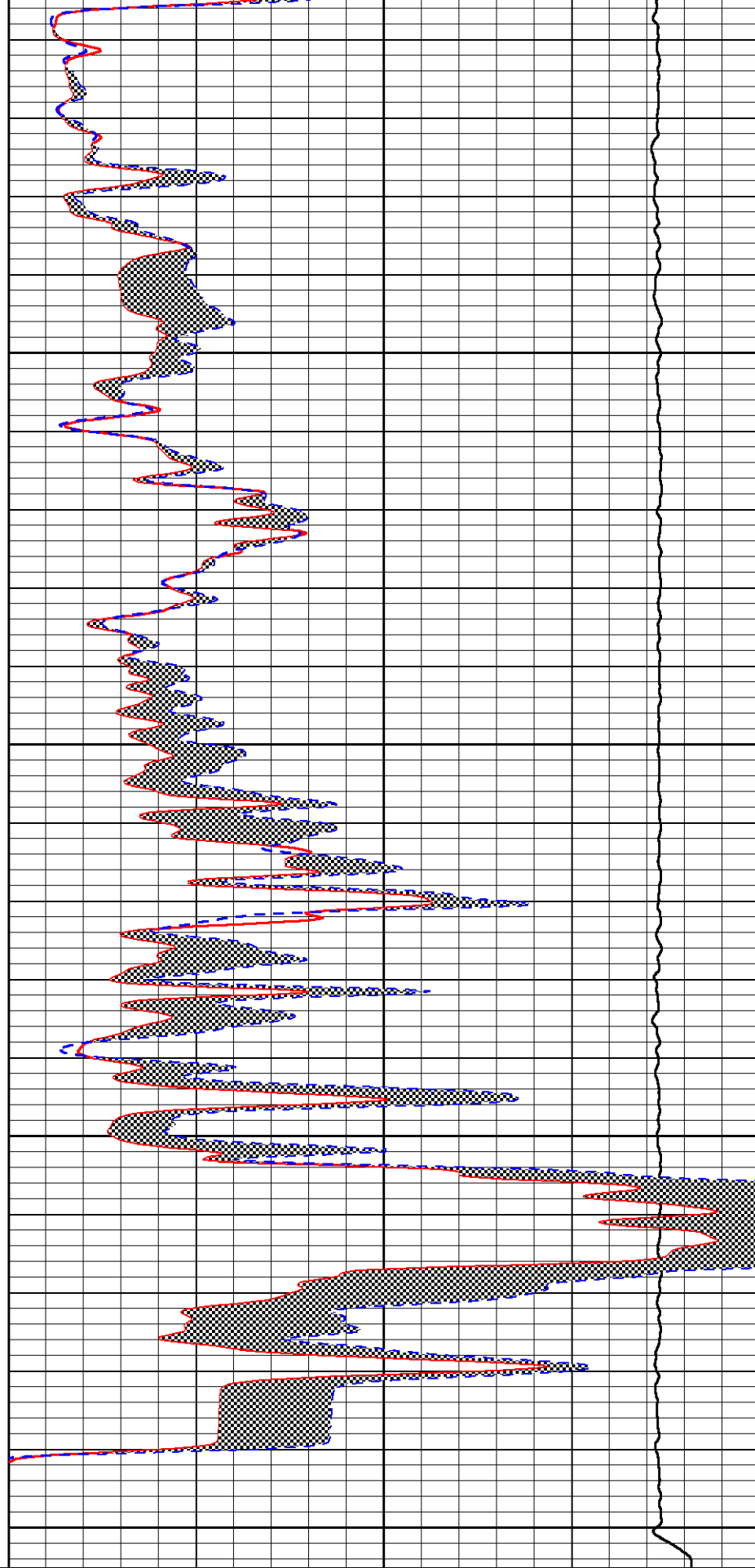
0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

4450

4500

4550

4600



0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



Company	VAL ENERGY, INC.
Well	SCHMADERER #1-23
Field	WILDCAT
County	RAWLINS
State	KANSAS