



MICRORESISTIVITY LOG

PIONEER
Pioneer Energy Services

Company **CARMEN SCHMITT, INC.**
Well **SB UNIT #1**
Field **WILDCAT**
County **ROOKS** State **KANSAS**

Location: API #: 15-163-24410-00-00

100' FNL & 300' FEL

SEC 36 TWP 7S RGE 16W

Permanent Datum **GROUND LEVEL** Elevation **1777'**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**

Elevation
K.B. 1787'
D.F. N/A
G.L. 1777'

Date 3/17/2020

Run Number ONE

Depth Driller 3425'

Depth Logger 3422'

Bottom Logged Interval 3421'

Top Log Interval 2000'

Casing Driller 8.625" @ 1111'

Casing Logger 1108'

Bit Size 7.875"

Type Fluid in Hole CHEMICAL

Salinity, ppm CL 3000

Density / Viscosity 9.4 50

pH / Fluid Loss 10.0 9.6

Source of Sample FLOWLINE

Rm @ Meas. Temp .80 @ 63

Rmt @ Meas. Temp .60 @ 63

Rmc @ Meas. Temp 1.08 @ 63

Source of Rmf / Rmc CHARTS

Rm @ BHT .46 @ 110

Operating Rig Time 2 HOURS

Max Rec. Temp. F 110 DEGF

Equipment Number P-108

Location HAYS

Recorded By J. HENRICKSON

Witnessed By BRAD RINE

<<< 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.

WOODSTON KANSAS
2 WEST TO 30 RD, 2 SOUTH TO J AVE, 1 EAST, 1 1/2 SOUTH INTO

Log Measured From: KELLY BUSHING 10 Ft. Above Permanent Datum

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

Your Pioneer Energy Services Crew

Engineer: J. HENRICKSON
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: BRAD RINE
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 109	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 275	degF 50	Off	ft 3422

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	44.50			GR-M&W (89-M&W)	3.00	3.50	50.00	
CNLSC	41.40			CNT-M&W (tk10-MW)	5.50	3.50	100.00	
CNSSC	40.65							
LSD	32.35			CDL-M&W (934-229)	8.50	4.00	250.00	
DCAL	32.33			ML-PSI UDM ML (UDM-01)	11.50	4.00	215.00	
SSD	31.85			Stackable Microlog Tools				
MCAL	20.87							
MI	20.87							
MN	20.87							
RLL3	15.80							
RLL3F	15.79							
CILD	8.00			DIL-M&W (55-222)	18.50	3.50	220.00	

CILM

4.70

SP

0.20

Dataset: carmen_schmitt_sb_unit_1.db: field/well/stackml/pass3.1
Total length: 47.00 ft
Total weight: 835.00 lb
O.D.: 4.00 in

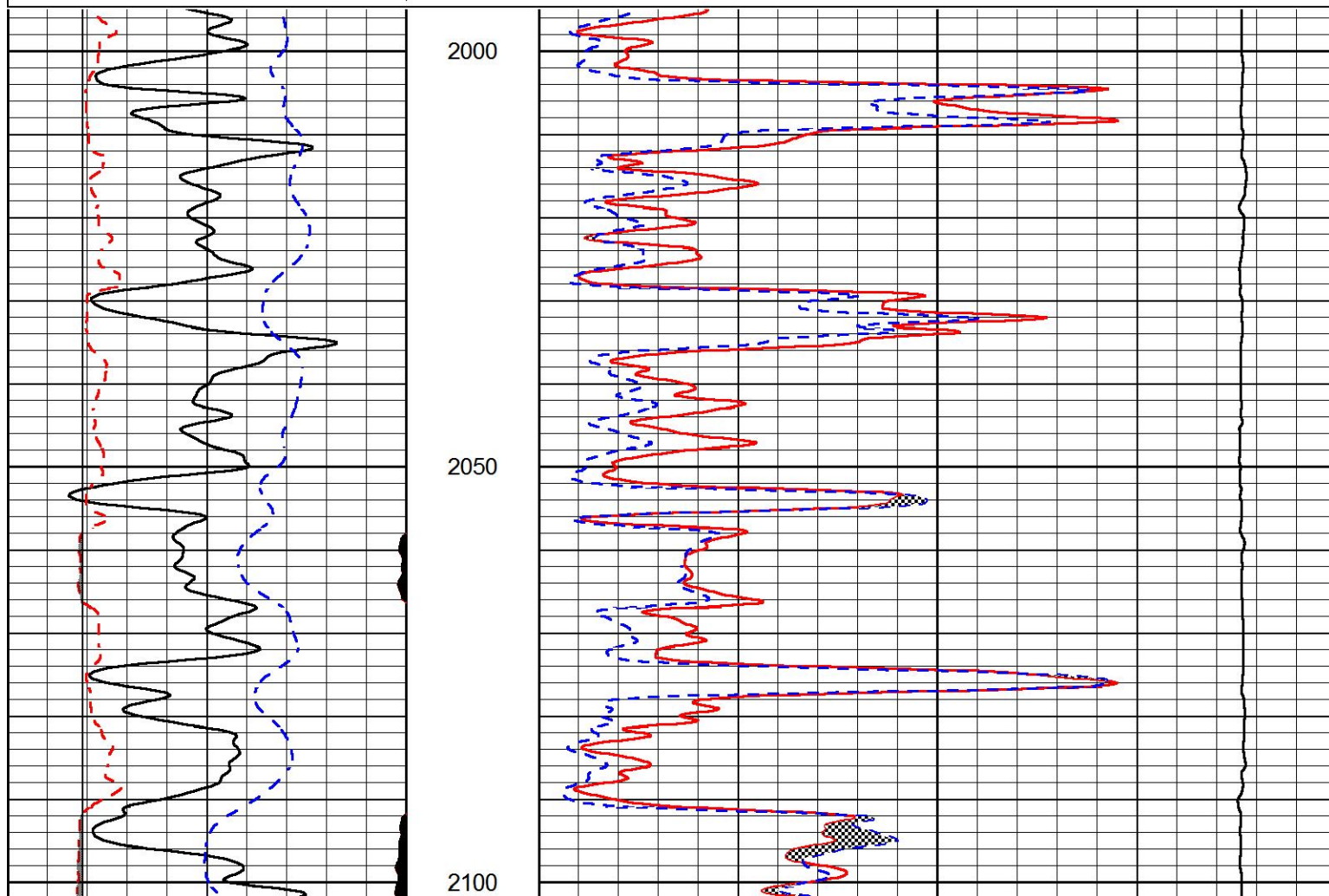


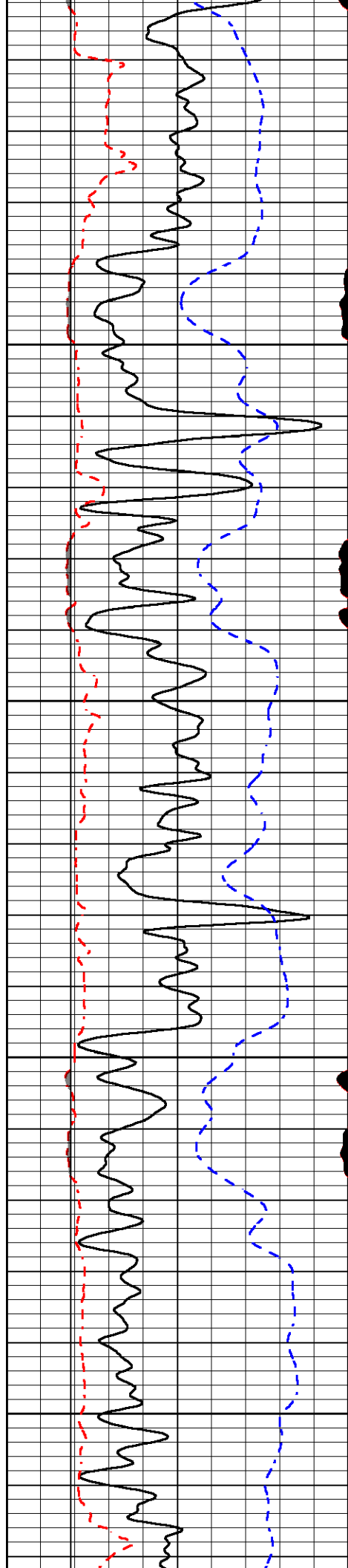
MAIN PASS

Database File carmen_schmitt_sb_unit_1.db
Dataset Pathname stackml/pass3.1
Presentation Format micro
Dataset Creation Tue Mar 17 01:40:18 2020
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



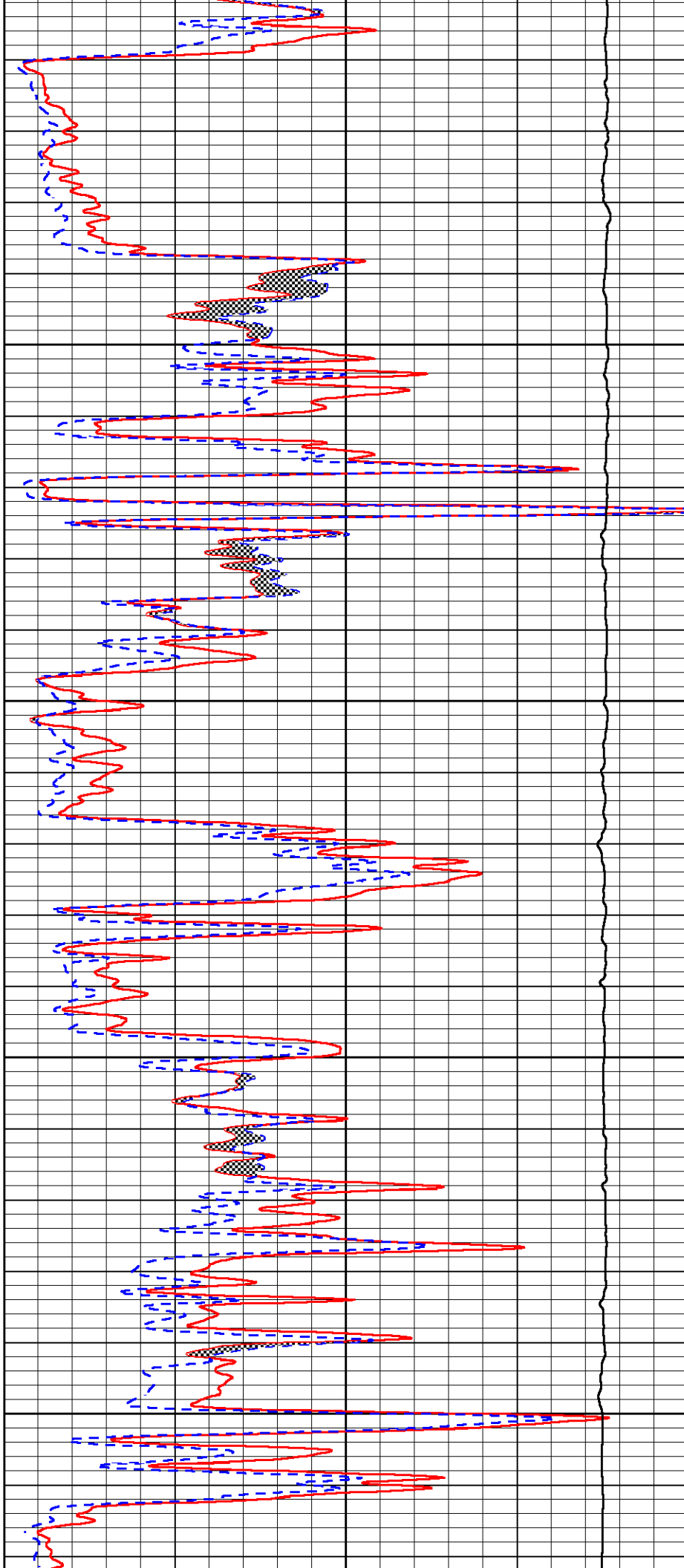


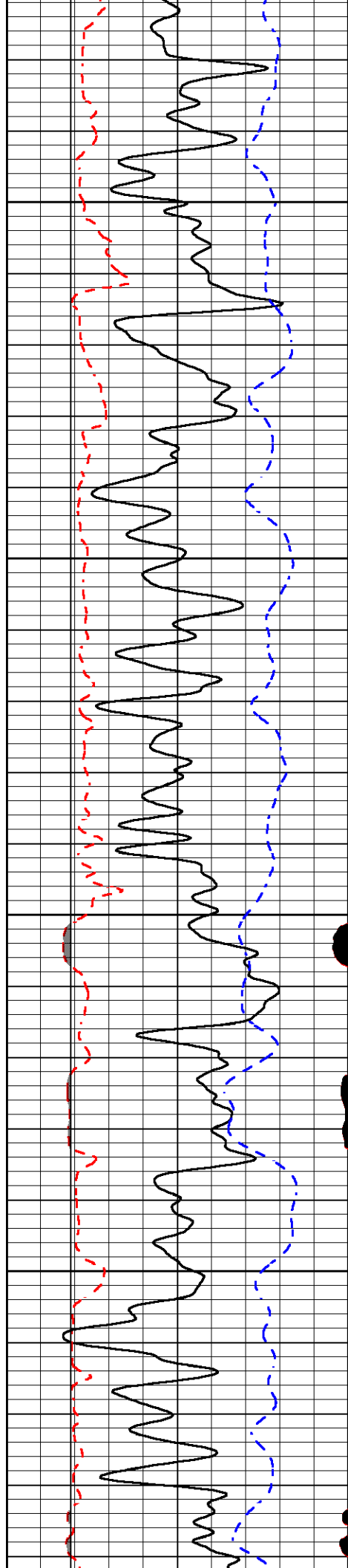
2150

2200

2250

2300



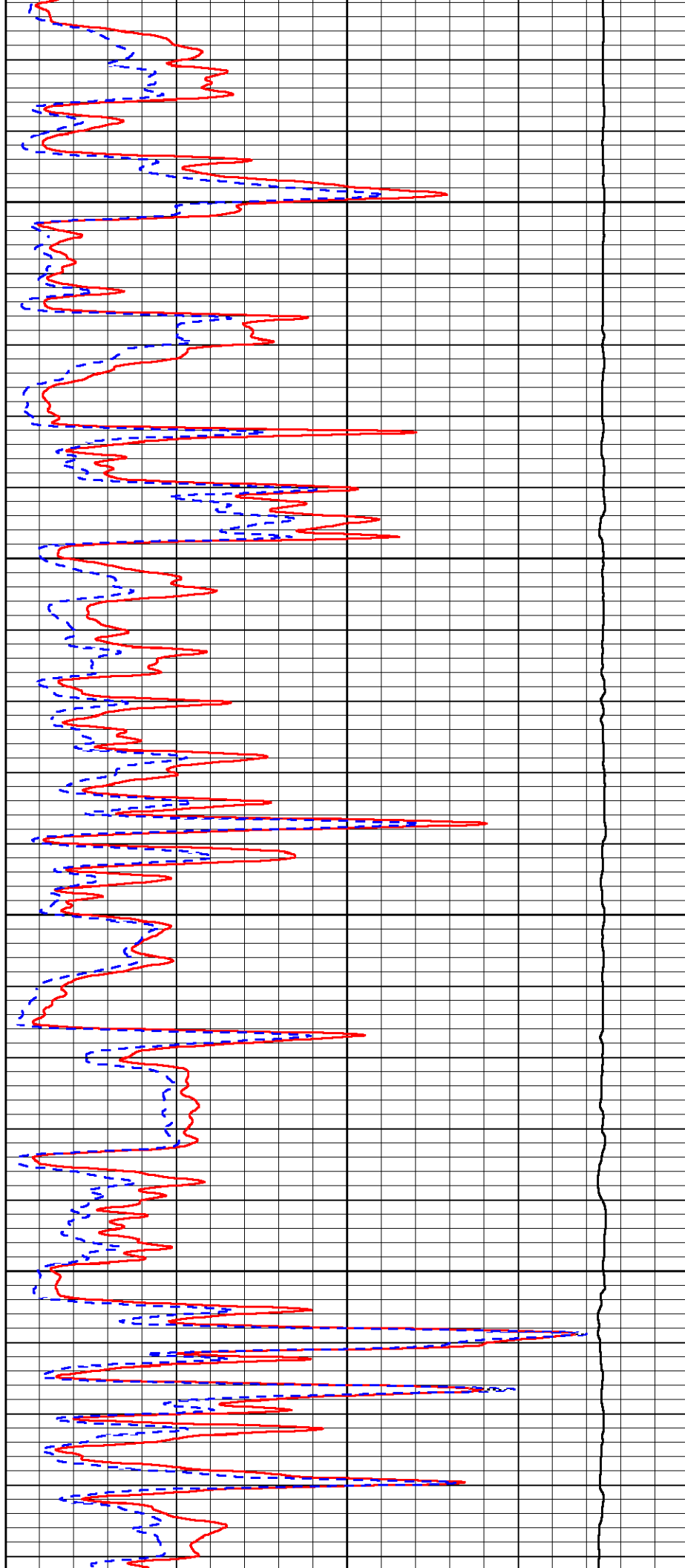


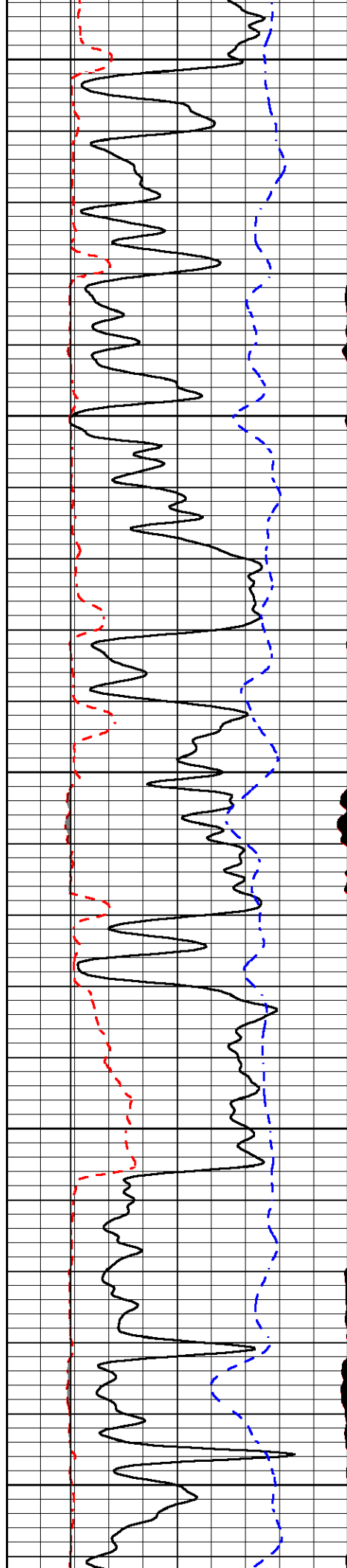
2350

2400

2450

2500





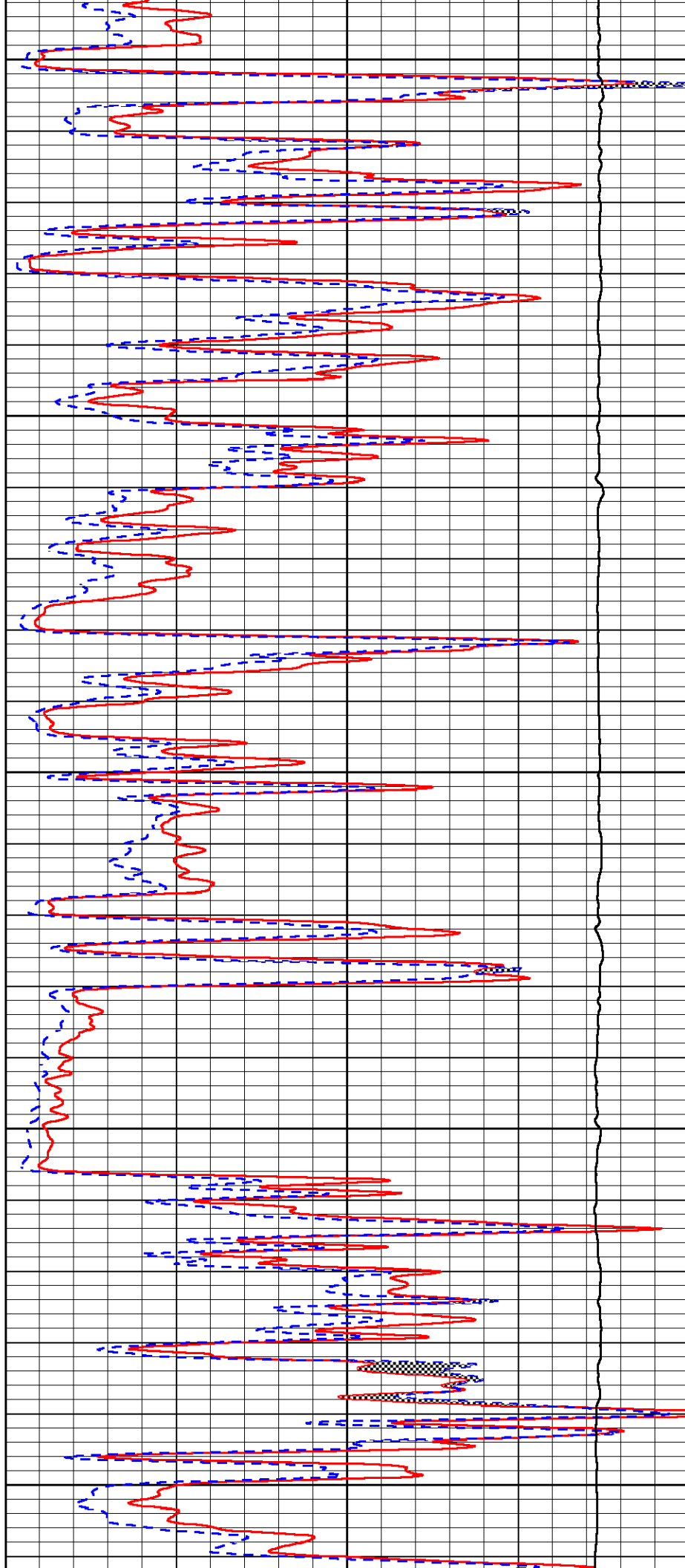
2550

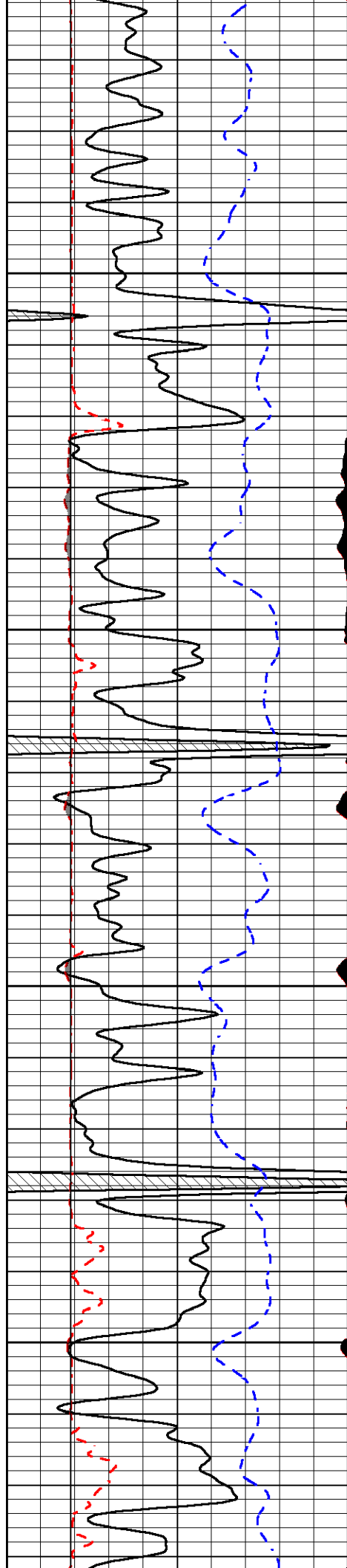
2600

2650

2700

2750



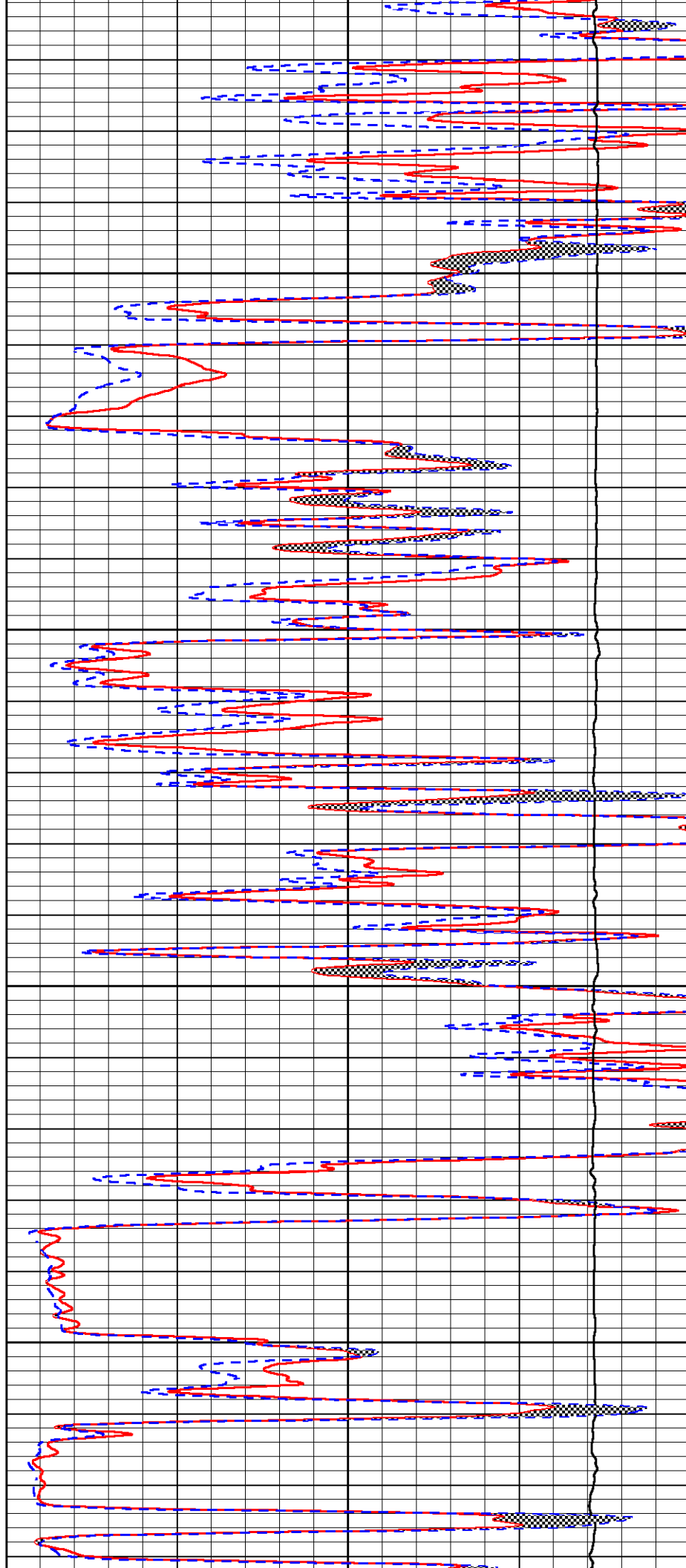


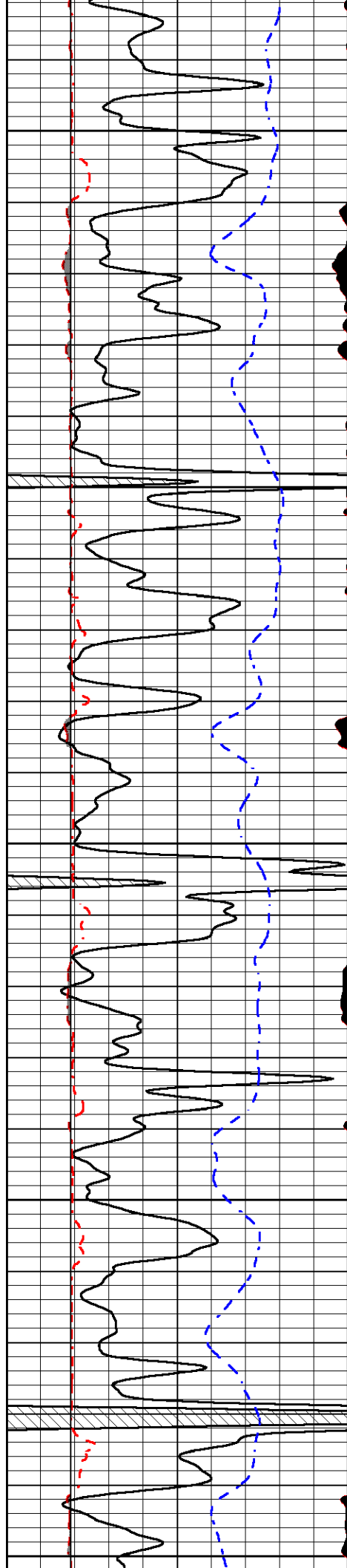
2800

2850

2900

2950





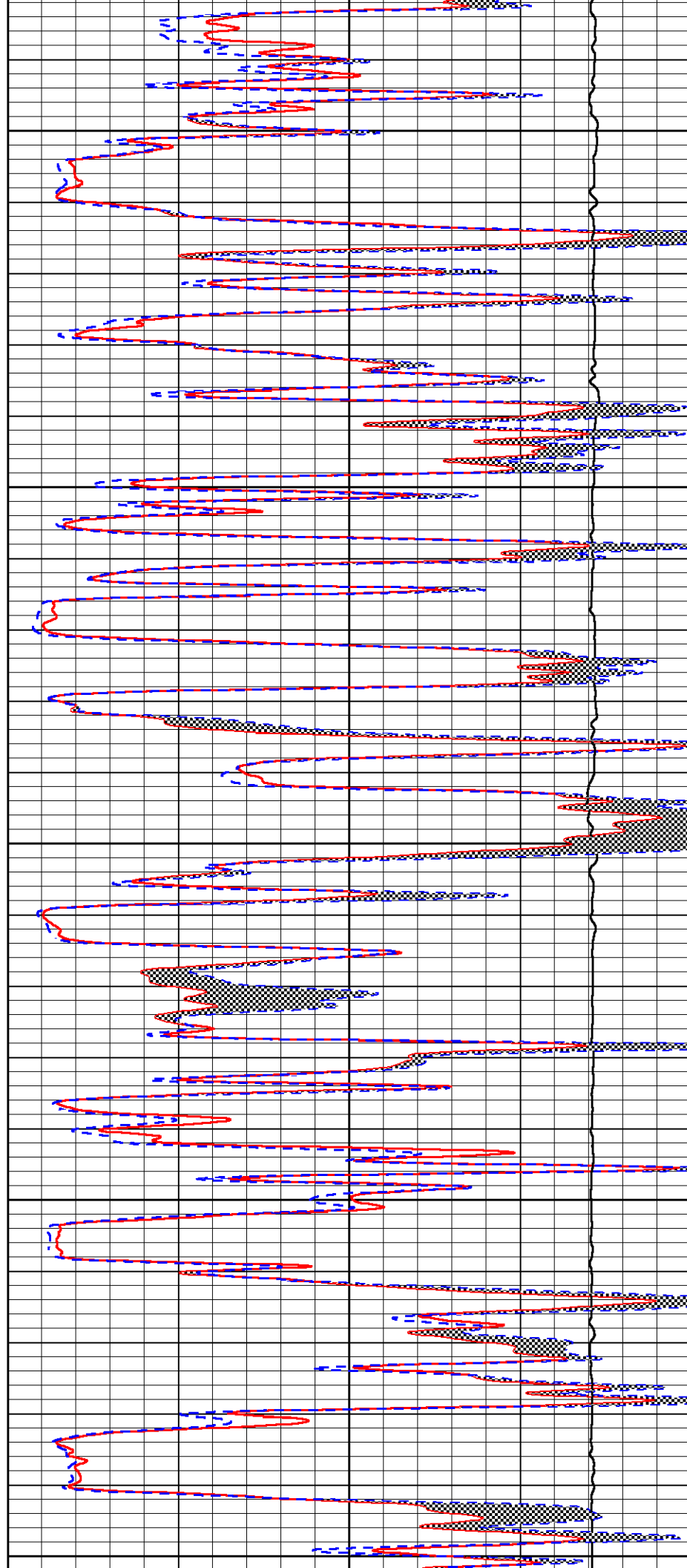
3000

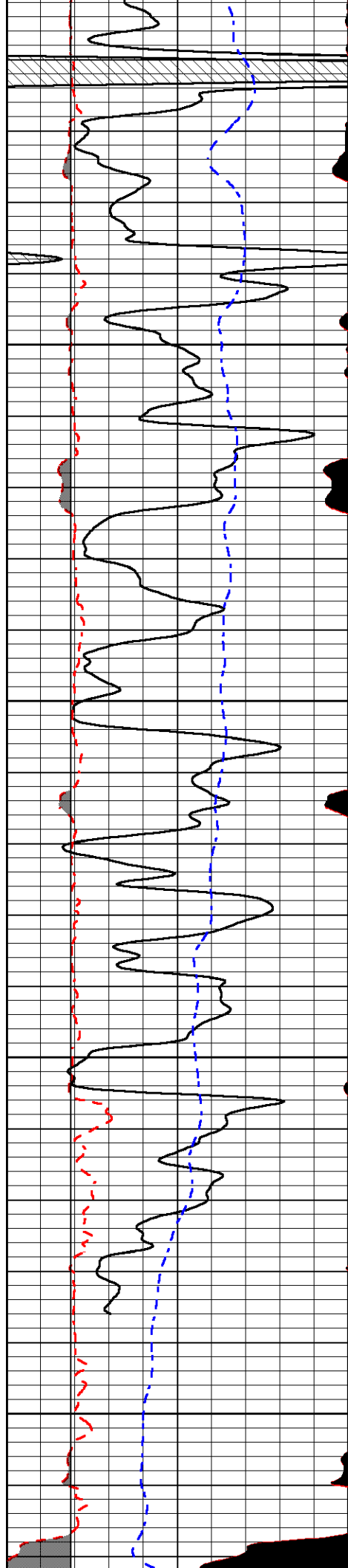
3050

3100

3150

3200



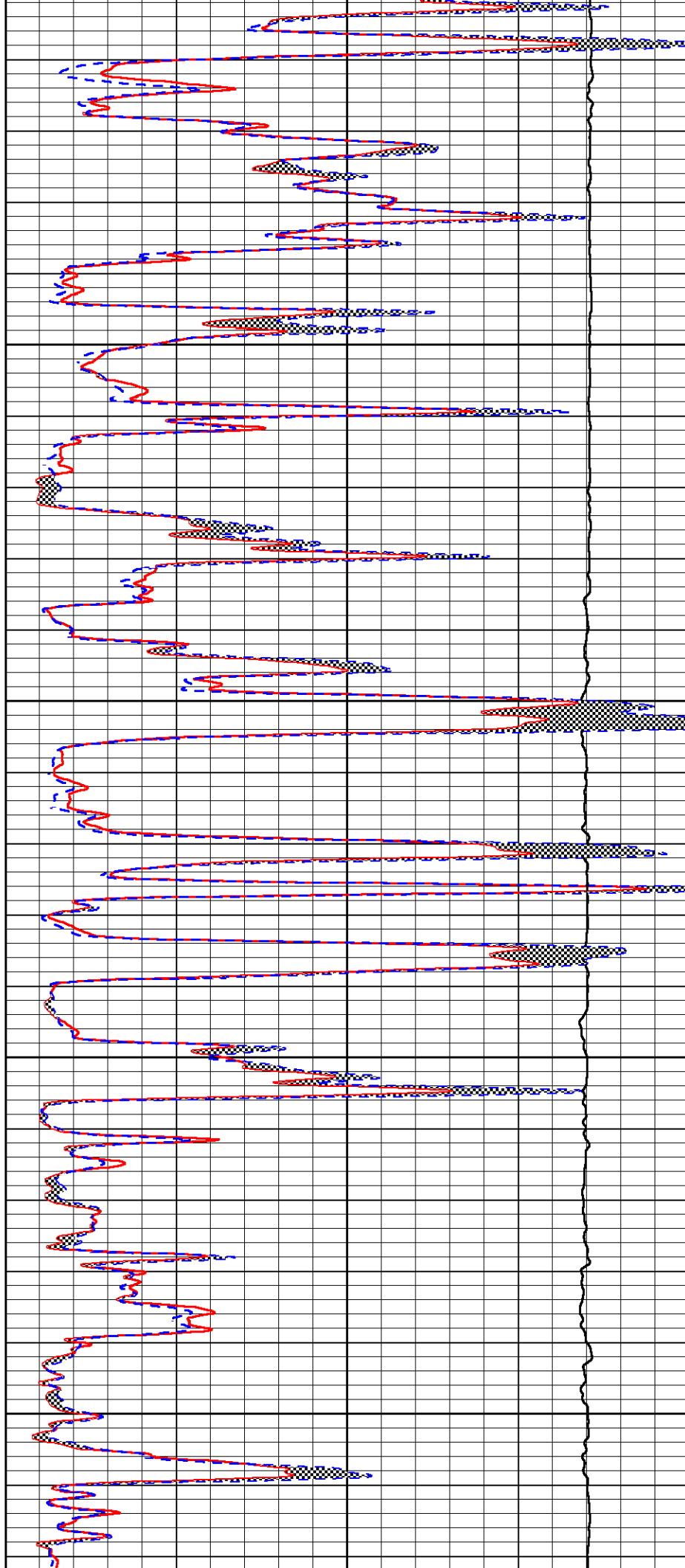


3250

3300

3350

3400



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

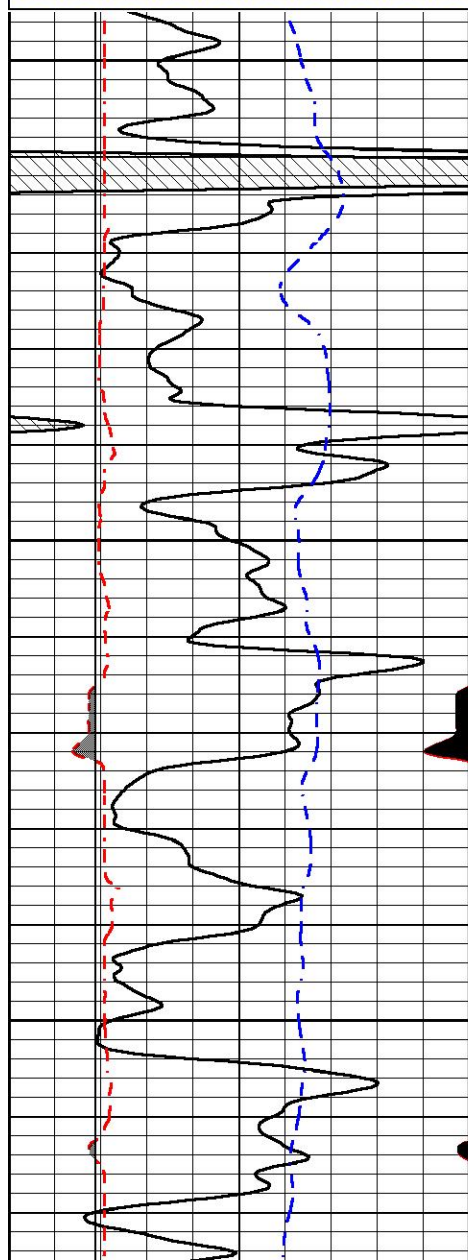


REPEAT SECTION

Database File carmen_schmitt_sb_unit_1.db
Dataset Pathname stackml/pass2.1
Presentation Format micro
Dataset Creation Tue Mar 17 01:39:30 2020
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

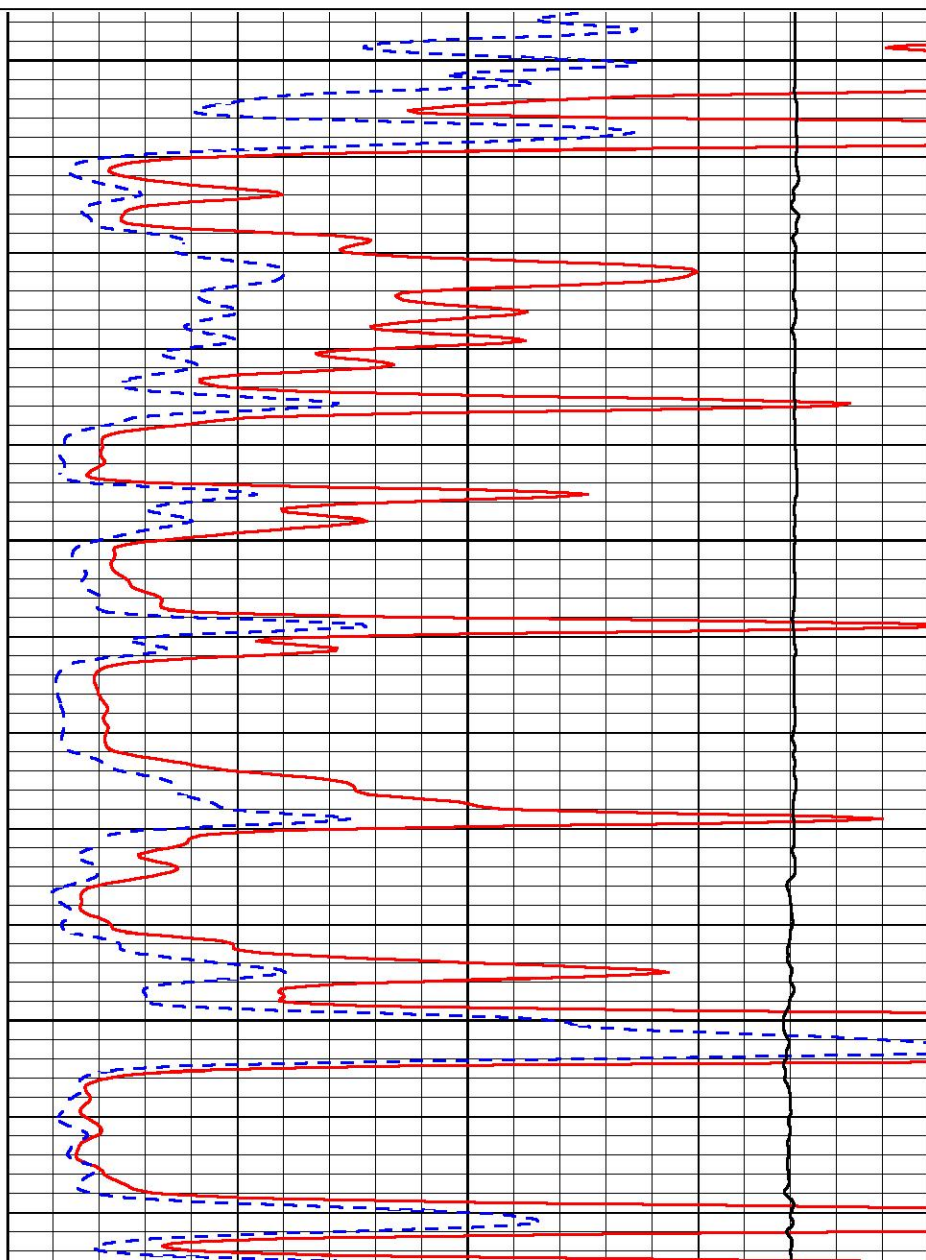
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0

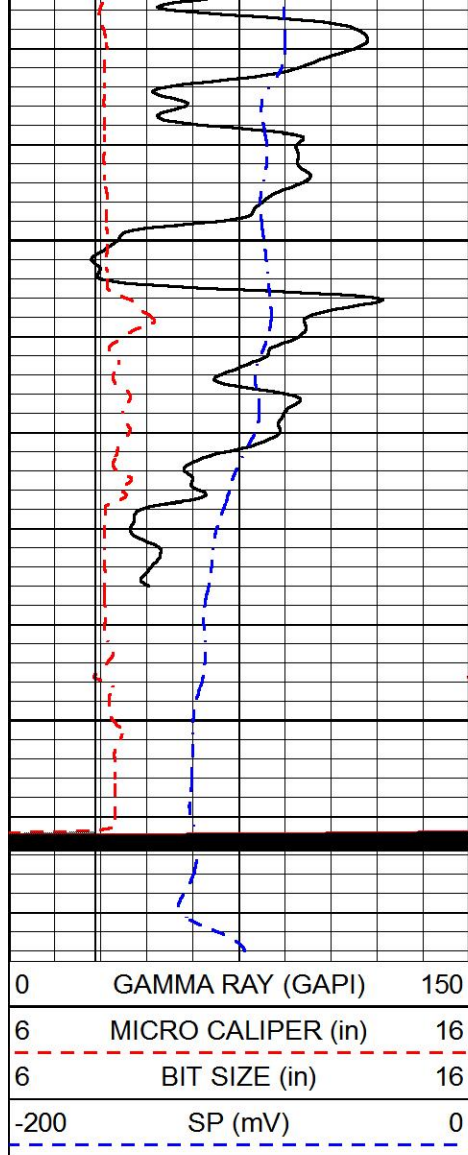


3200

3250

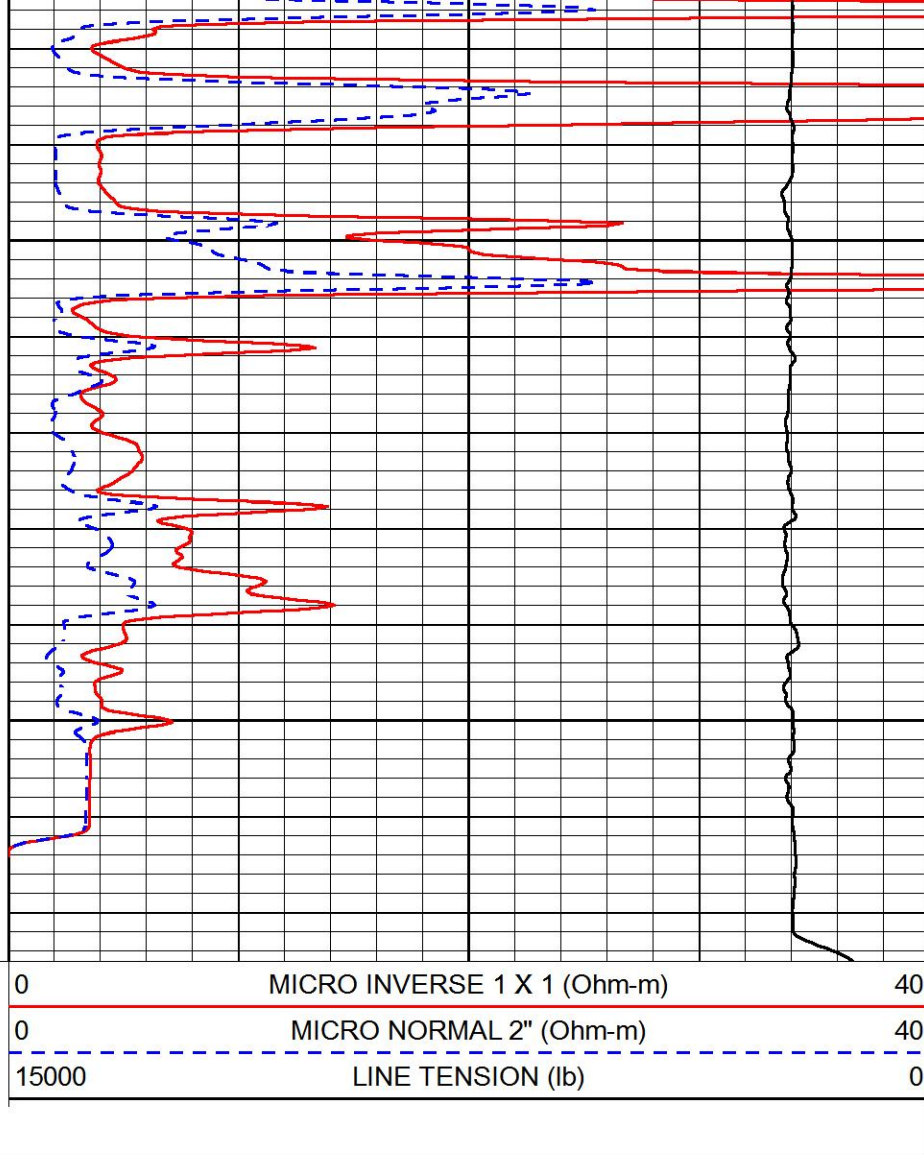
3300





3350

3400



Company	CARMEN SCHMITT, INC.
Well	SB UNIT #1
Field	WILDCAT
County	ROOKS
State	KANSAS