



MICRORESISTIVITY LOG

PIONEER
Pioneer Energy Services

Company **THOMAS GARNER, INC.**
Well **DIAMOND 'H' #1**
Field **UNKNOWN**
County **STAFFORD** State **KANSAS**

Location: API #: 15-185-24071-00-00

Other Services

SEC 23 TWP 25S RGE 13W
2310' FSL & 810' FWL

CNL/CDL
DIL/BHCS

Permanent Datum GROUND LEVEL Elevation 1923'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1934'
D.F. N/A
G.L. 1923'

Date 8/4/2020

Run Number	ONE		
Depth Driller	4300'		
Depth Logger	4300'		
Bottom Logged Interval	4299'		
Top Log Interval	3300'		
Casing Driller	8.625" @ 349'		
Casing Logger	349'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	8,300		
Density / Viscosity	8.9 79		
pH / Fluid Loss	11.0 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.35 @ 73		
Rmf @ Meas. Temp	.26 @ 73		
Rmc @ Meas. Temp	.47 @ 73		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	.21 @ 119		
Operating Rig Time	4 HOURS		
Max Rec. Temp. F	119 DEG F		
Equipment Number	P-108		
Location	HAYS		
Recorded By	J. HENRICKSON		
Witnessed By	KEITH REAVIS		

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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.

ST. JOHN, KANSAS
SOUTH TO 60 RD, 1 EAST, 1/2 SOUTH,
EAST INTO

Log Measured From: KELLY BUSHING 11 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: KEITH REAVIS
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 119	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 5	mmho/m 5	mV 270	degF 0	Off	ft 4300

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 (915-956)	8.50	4.00	250.00
DCAL	32.33						
SSD	31.85						
ML-PSI UDM ML (UDM-01)				Stackable Microlog Tools	11.50	4.00	215.00
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: garner_diamond_h_1.db: field/well/stackml/pass3.1
Total length: 47.00 ft
Total weight: 835.00 lb
O.D.: 4.00 in

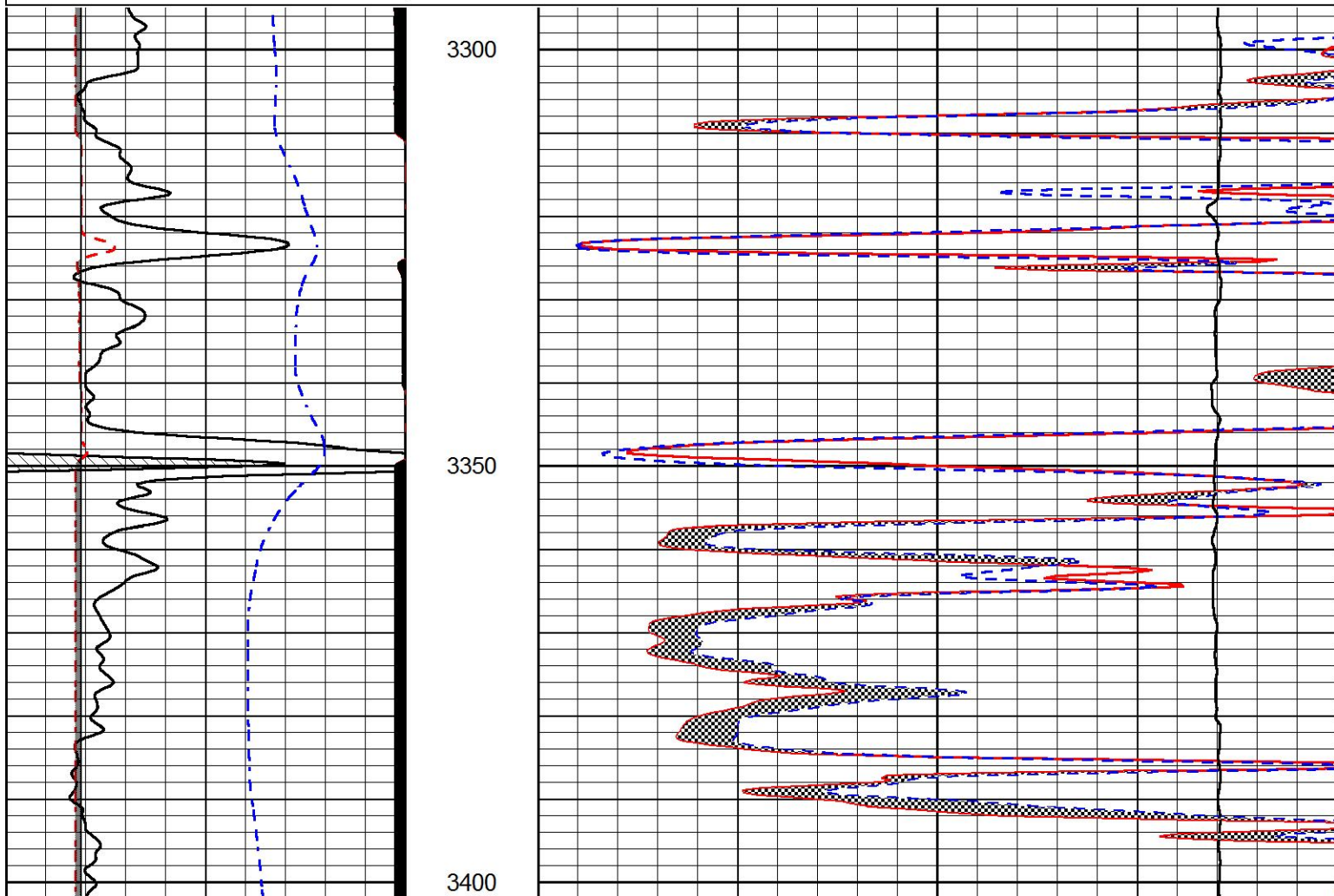


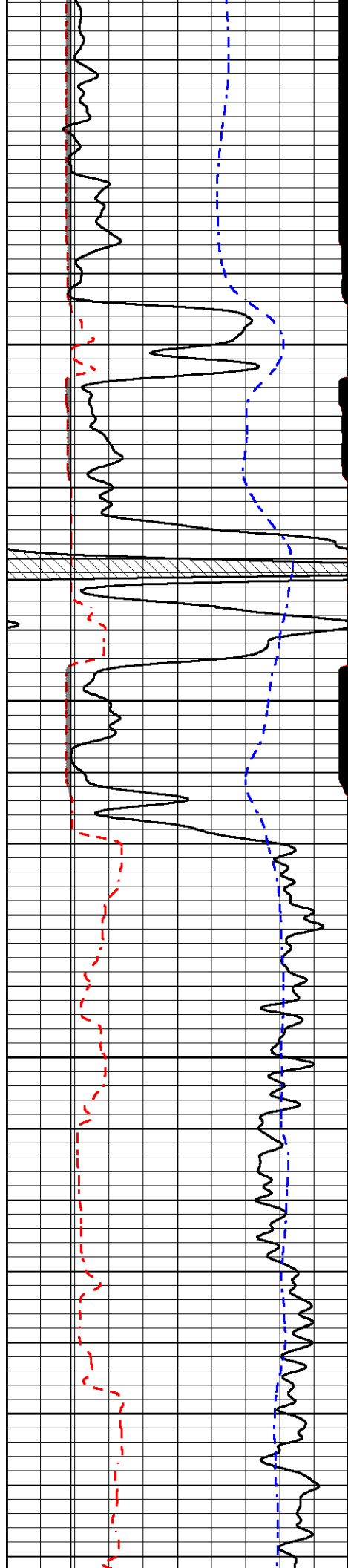
MAIN PASS

Database File garner_diamond_h_1.db
Dataset Pathname stackml/pass3.1
Presentation Format micro
Dataset Creation Tue Aug 04 14:51:04 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



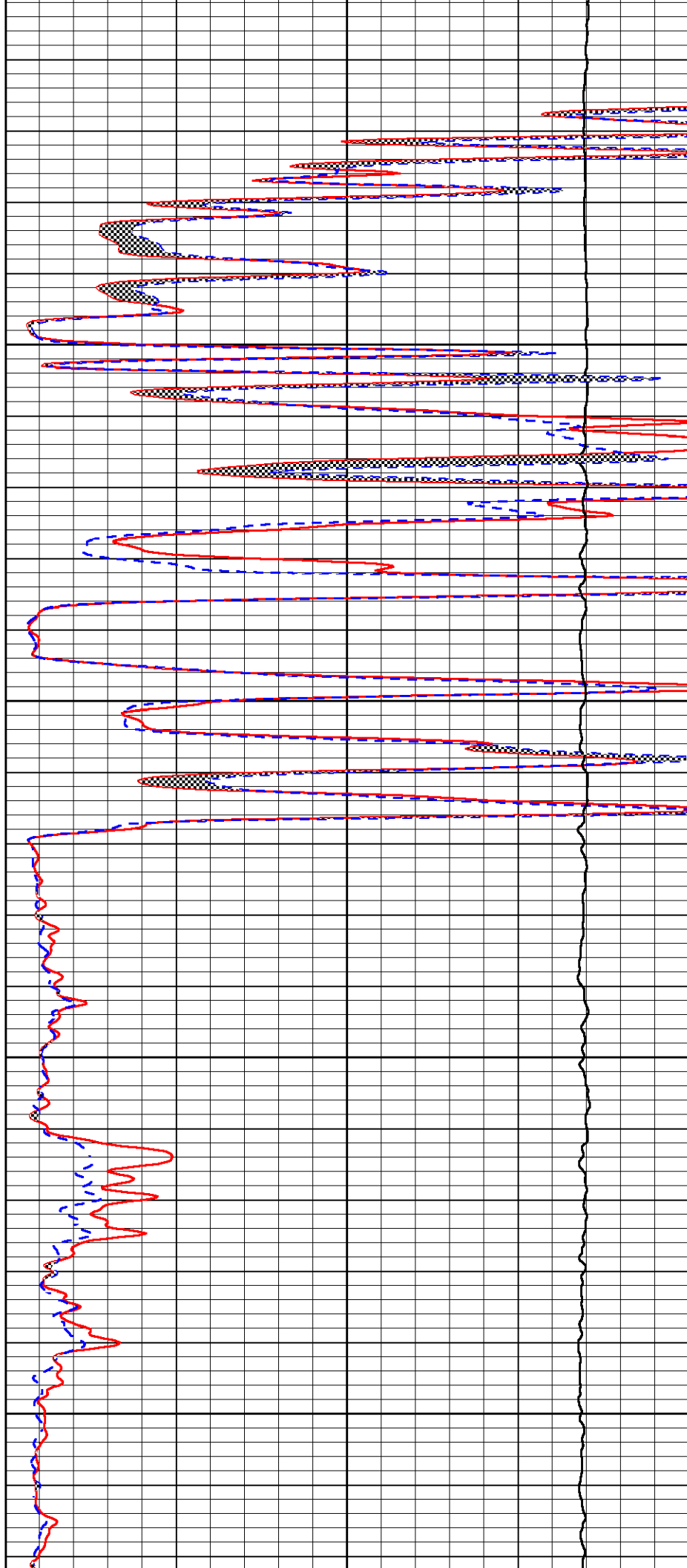


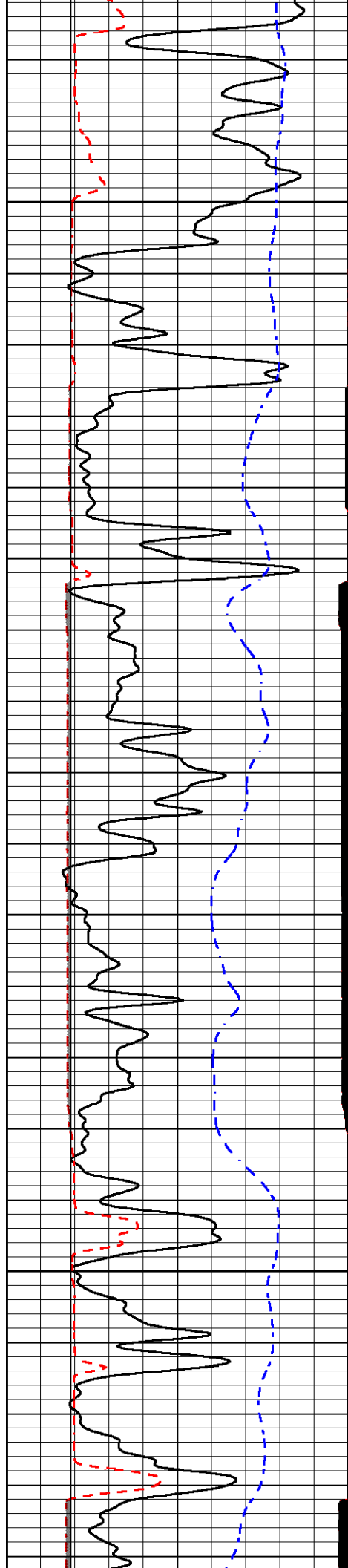
3450

3500

3550

3600



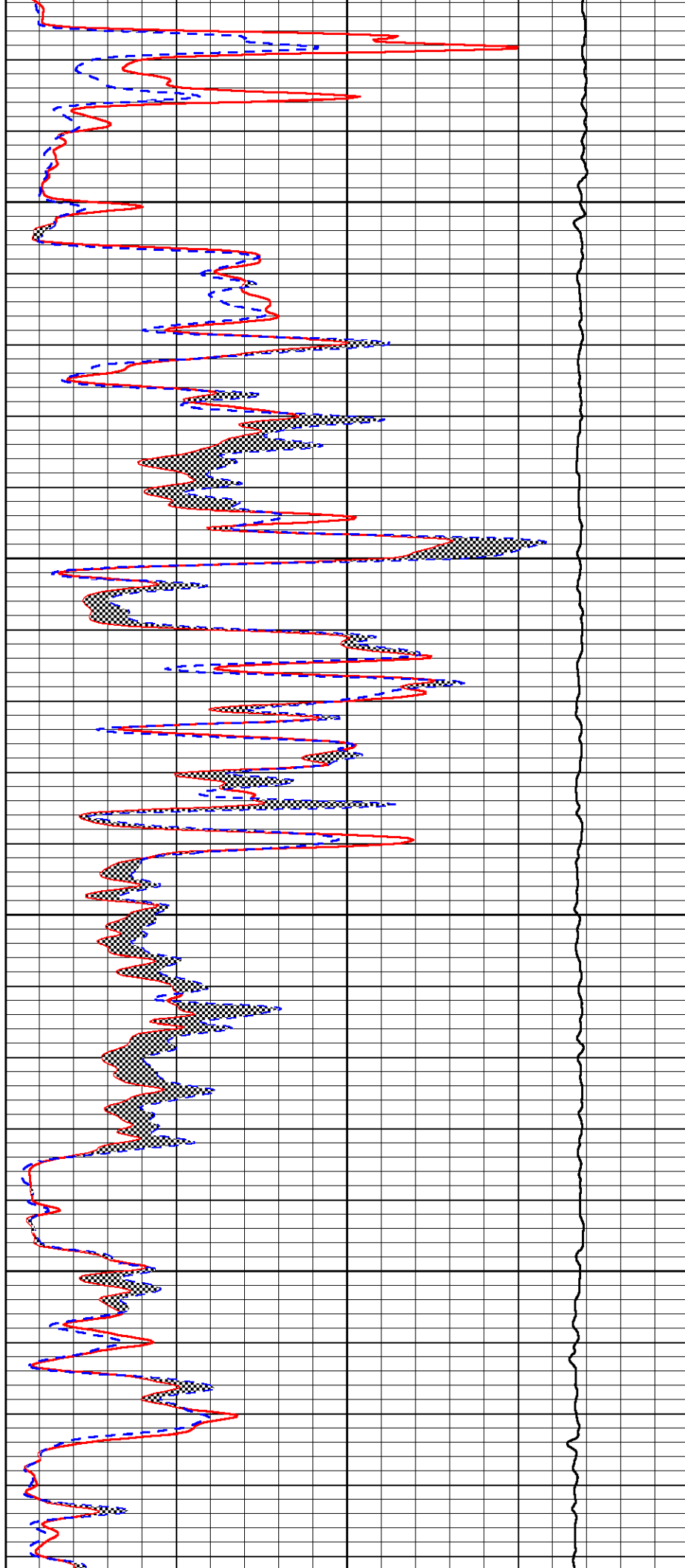


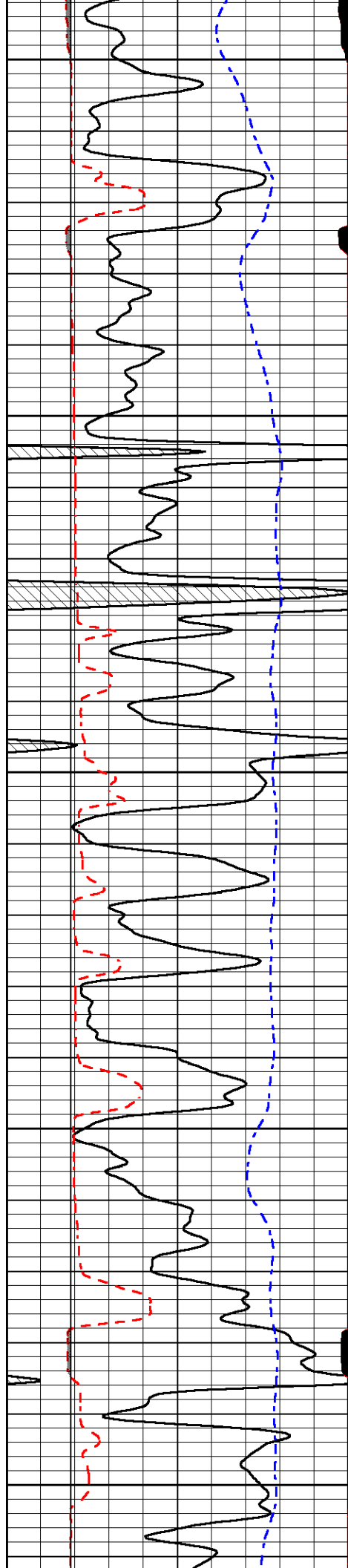
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3700

3750

3800





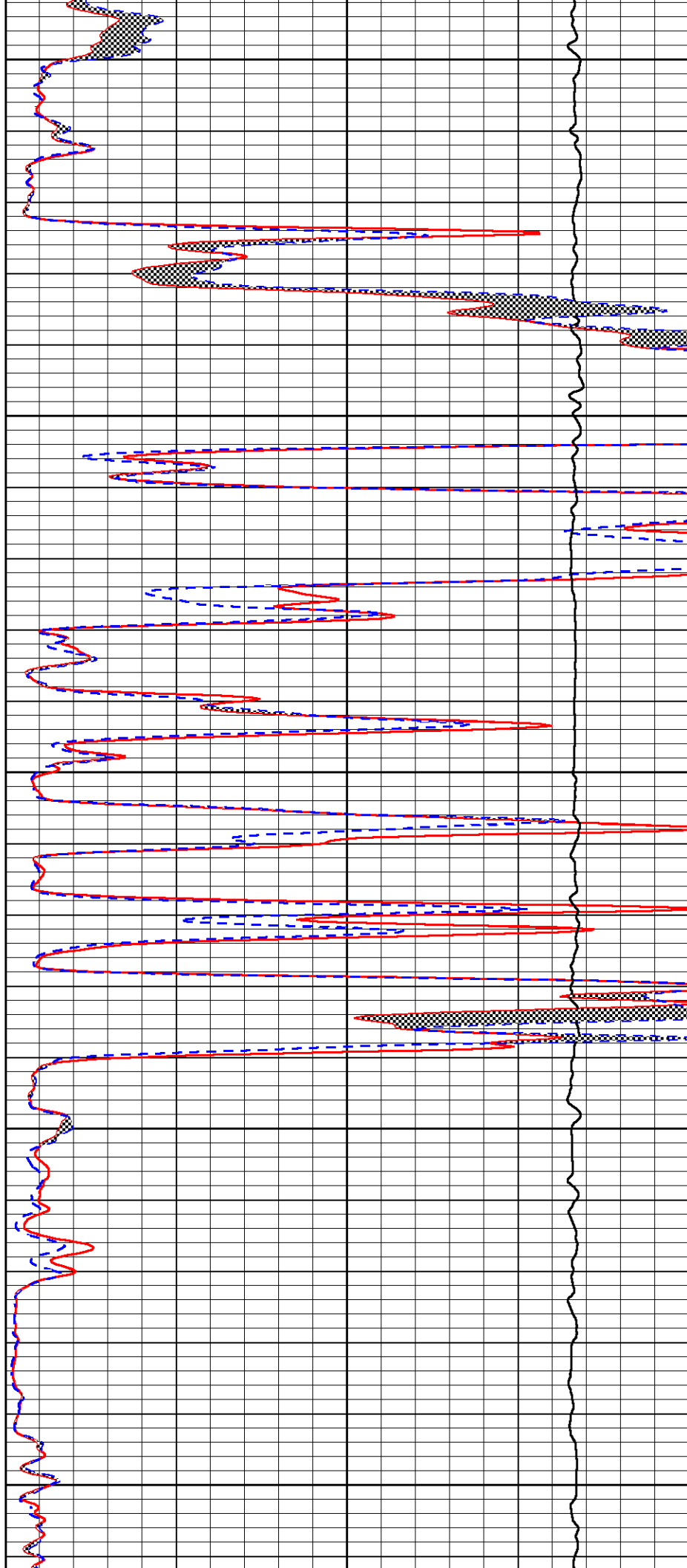
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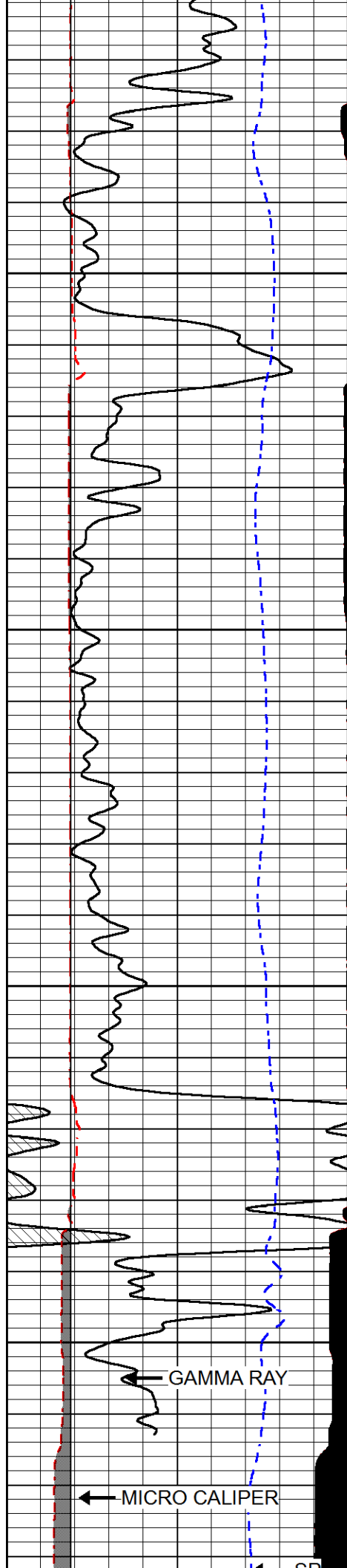
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3950

4000

4050



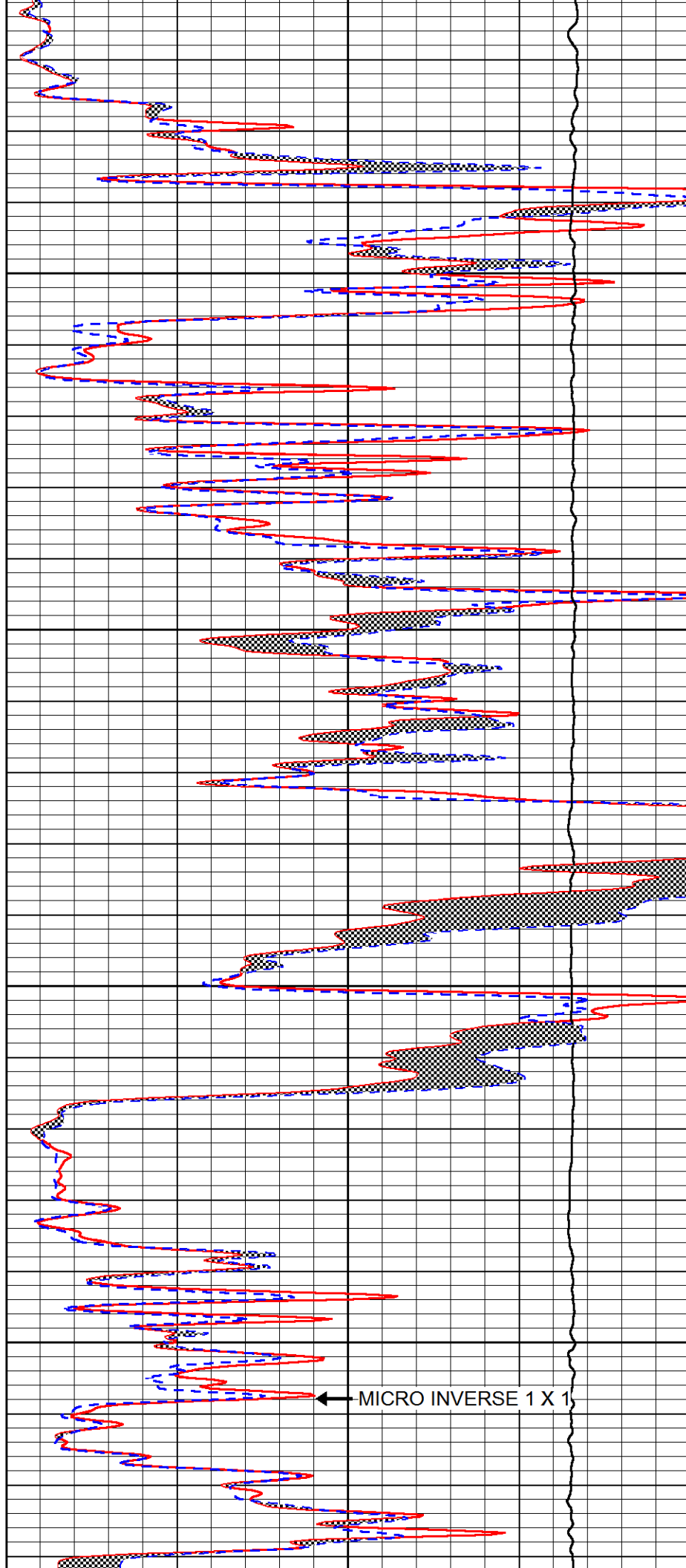


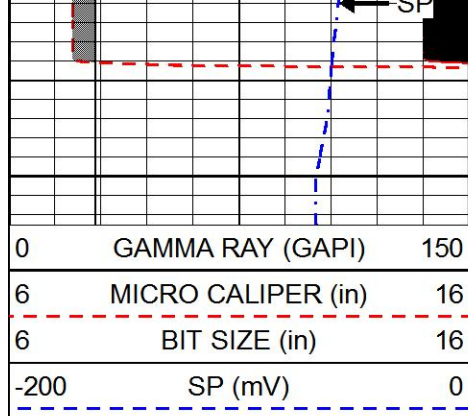
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4150

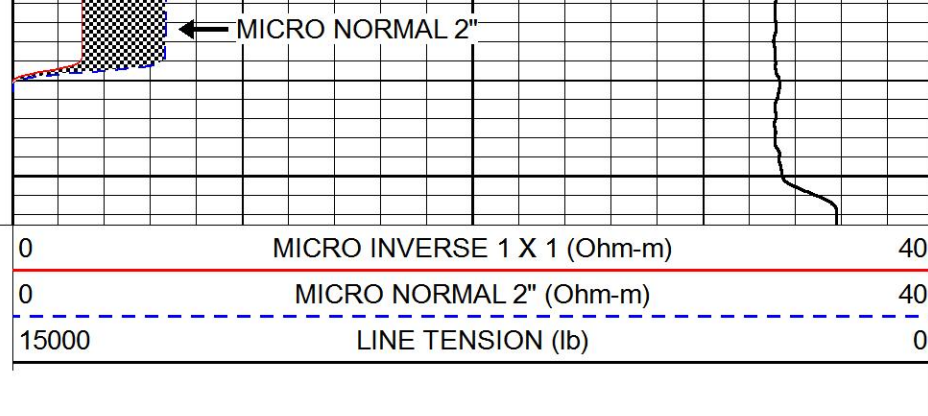
4200

4250



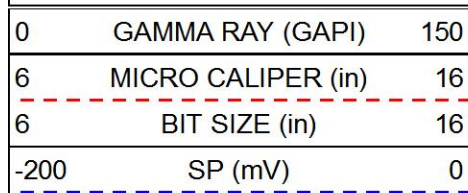


4300



REPEAT SECTION

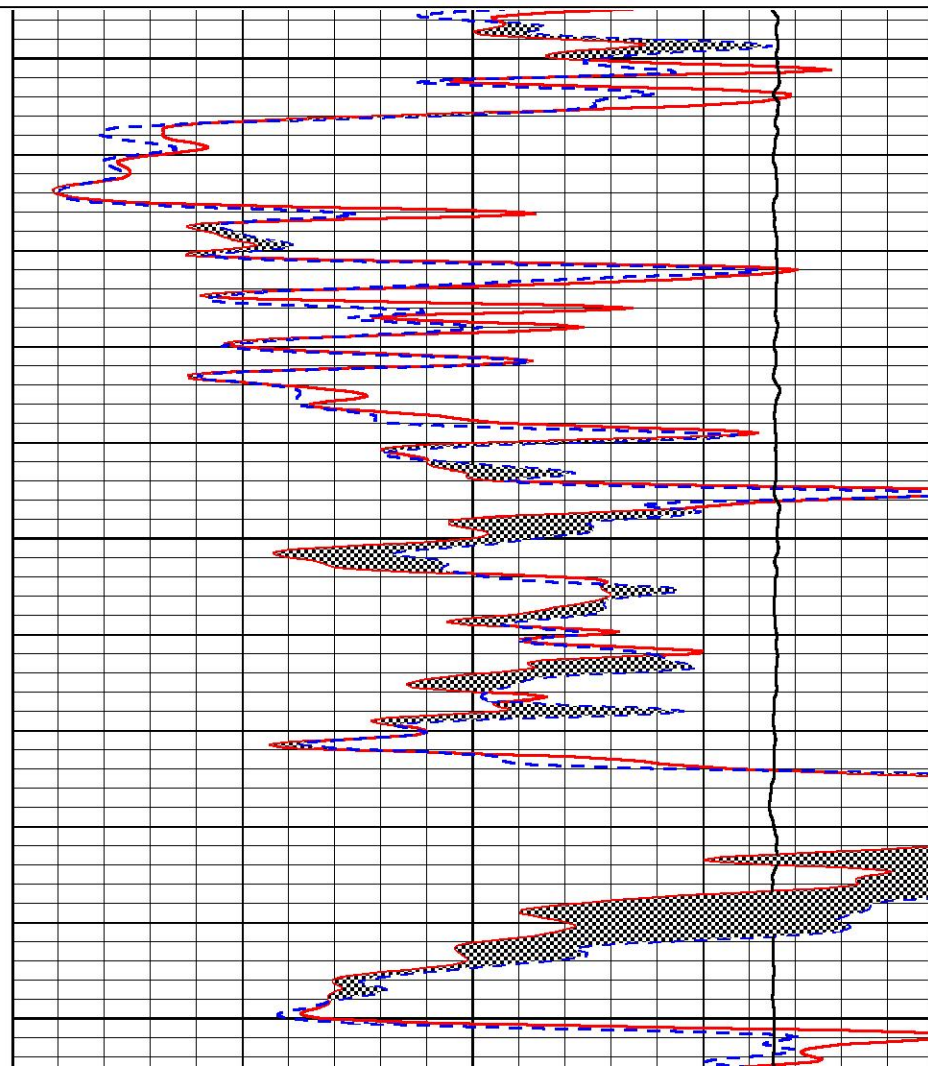
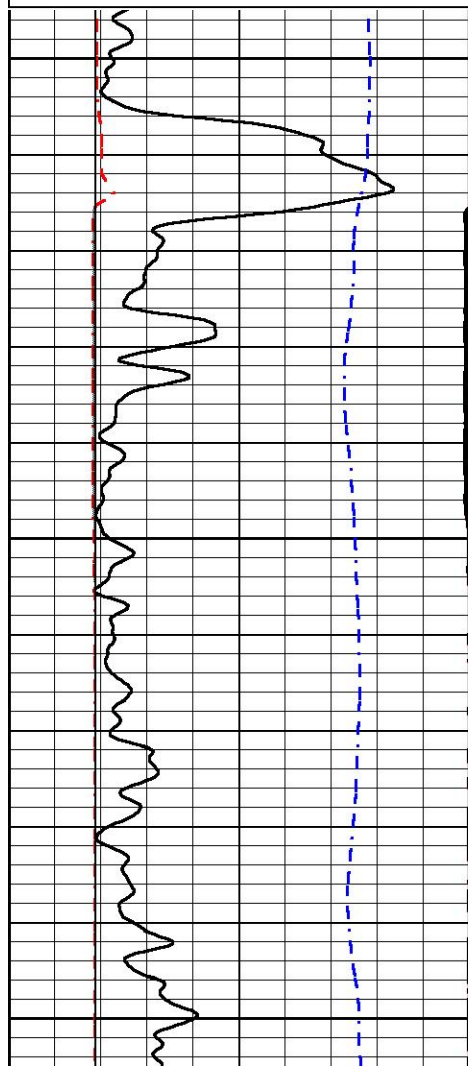
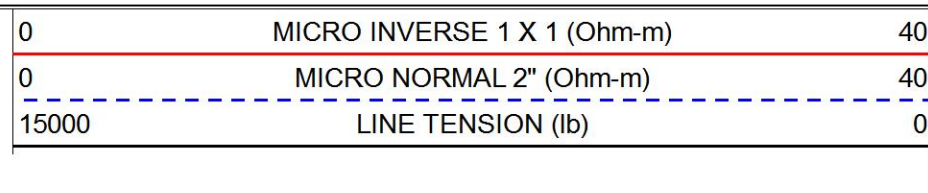
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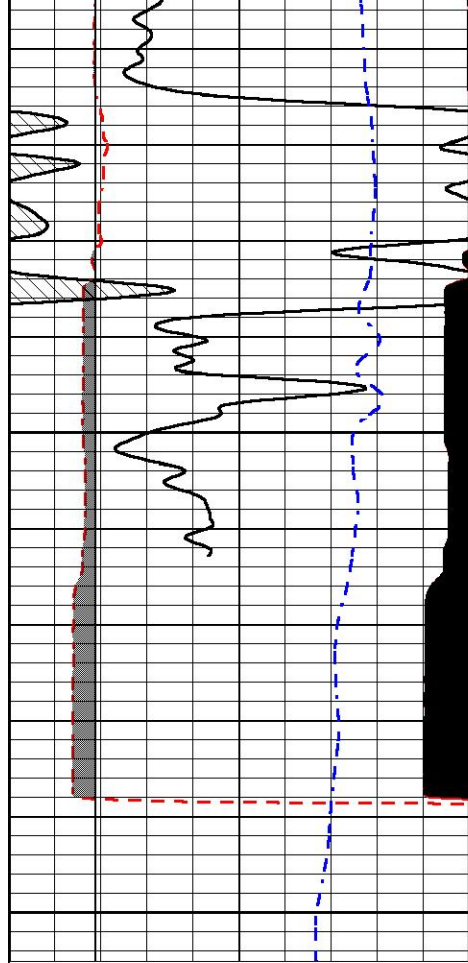


4100

4150

4200

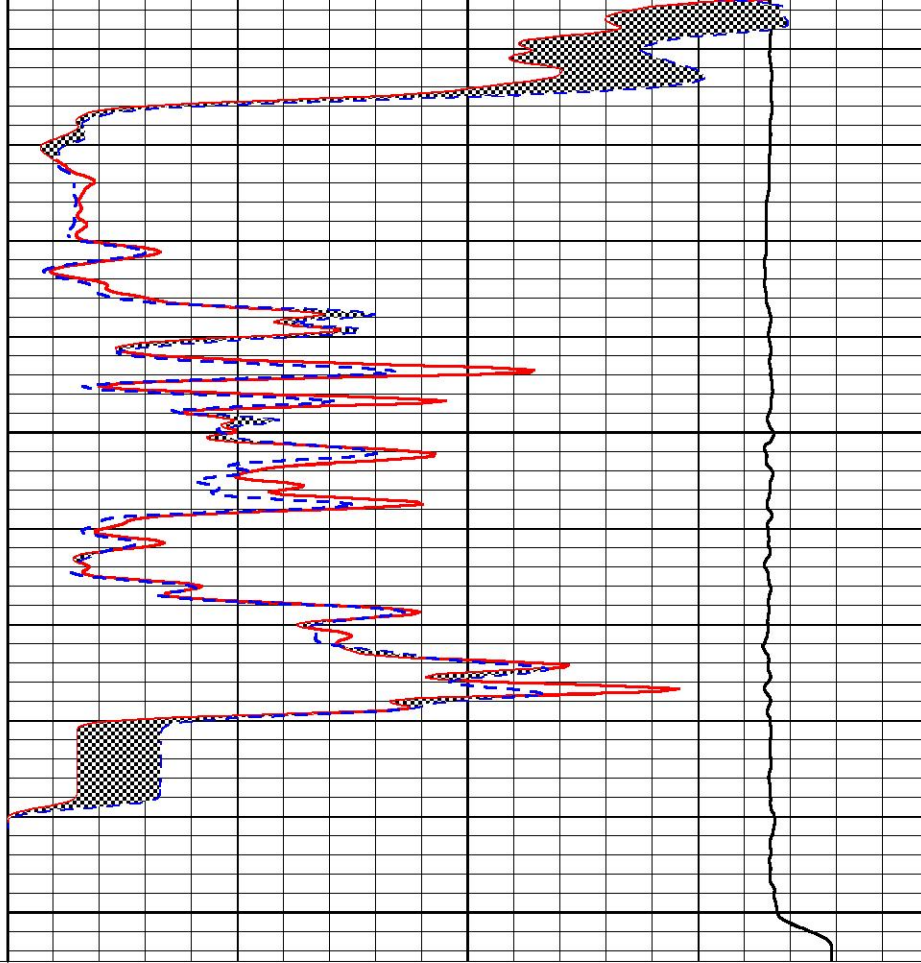




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