



MIDWEST WIRELINE

MICRORESISTIVITY
LOG

Company Thomas Garner, Inc. Well Petty-Christie Unit #1 Field Unknown County Stafford State Kansas		Company Thomas Garner, Inc. Well Petty-Christie Unit #1 Field Unknown County Stafford State Kansas		Location: API #: 15-185-24083-00-00 570' FNL & 410' FEL SEC 22 TWP 25S RGE 13WJ Permanent Datum Ground Level Elevation 1927' Log Measured From Kelly Bushing Drilling Measured From Kelly Bushing Other Services CNL/CDL DIL/BHCS	
Date	7/30/2021				
Run Number	Two				
Depth Driller	4335'				
Depth Logger	4330'				
Bottom Logged Interval	4329'				
Top Log Interval	3400'				
Casing Driller	8.625" @ 370'				
Casing Logger	366'				
Bit Size	7.875"				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	10,500				
Density / Viscosity	9.4 58				
pH / Fluid Loss	9.5 11.2				
Source of Sample	FLOWLINE				
Rm @ Meas. Temp	.30 @ 70				
Rmt @ Meas. Temp	.23 @ 70				
Rmc @ Meas. Temp	.41 @ 70				
Source of Rmt / Rmc	CHARTS				
Rm @ BHT	.18 @ 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	Jim Musgrove				

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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.

St. John Kansas
South to 60 Rd, 1 East, South into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

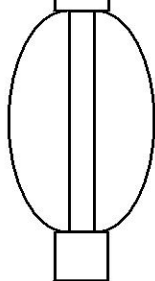
Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: J. Henrickson	Primary Witness: Jim Musgrove
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

DatabaseC:\ProgramData\Warrior\Data\garner_petty_christie_unit_1.db
Dataset field/well/stack/pass4.1/ vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 117	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 0	mV 665	degF 98	Off	ft 4330

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
MCAL MI MN	28.00		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00	
	28.00						
	28.00						
			CENT-PENGO	5.50	3.00	70.00	



CENT-PENGO

5.50

3.00

70.00

Dataset: garner_petty_christie_unit_1.db: field/well/sonmel/pass2
Total length: 32.00 ft
Total weight: 540.00 lb
O.D.: 3.50 in



MIDWEST WIRELINE

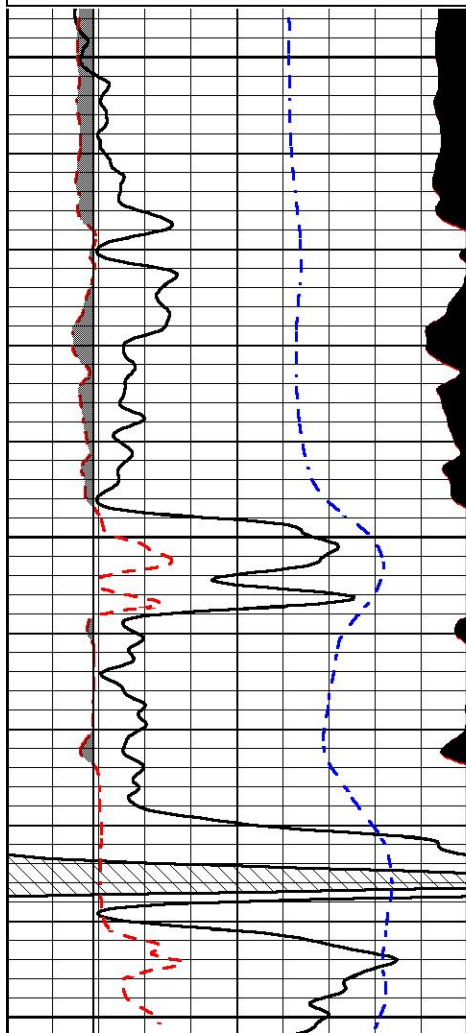
DETAIL SECTION

MAIN PASS

Database File garner_petty_christie_unit_1.db
Dataset Pathname stack/pass4.1
Presentation Format micro
Dataset Creation Fri Jul 30 12:27:07 2021
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

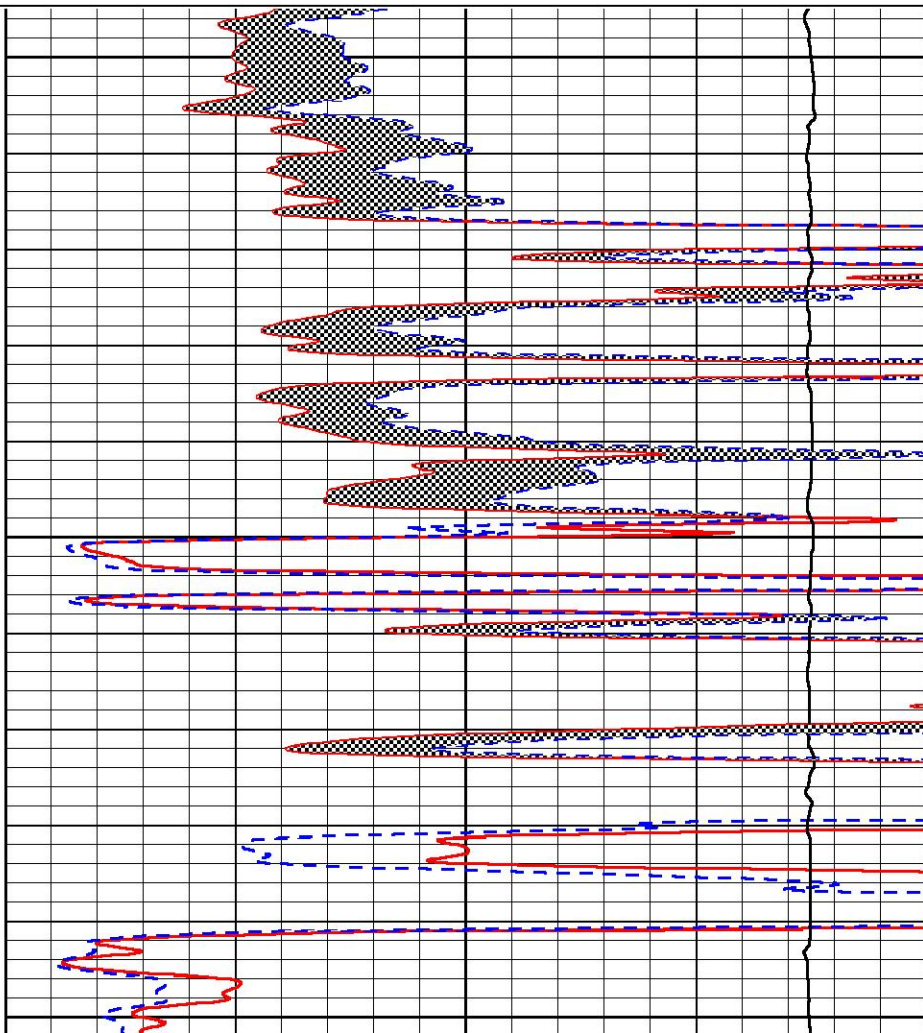
0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0

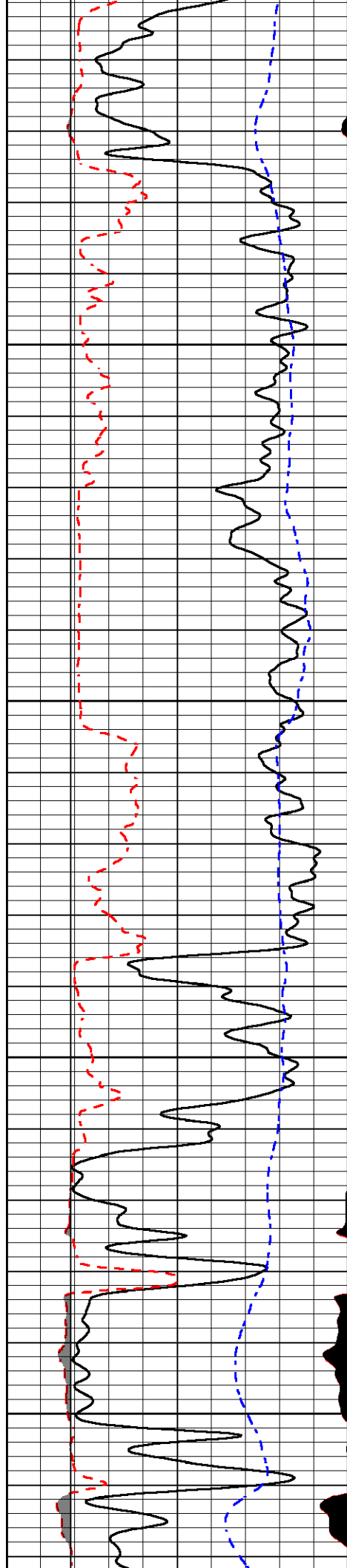


3400

3450

3500



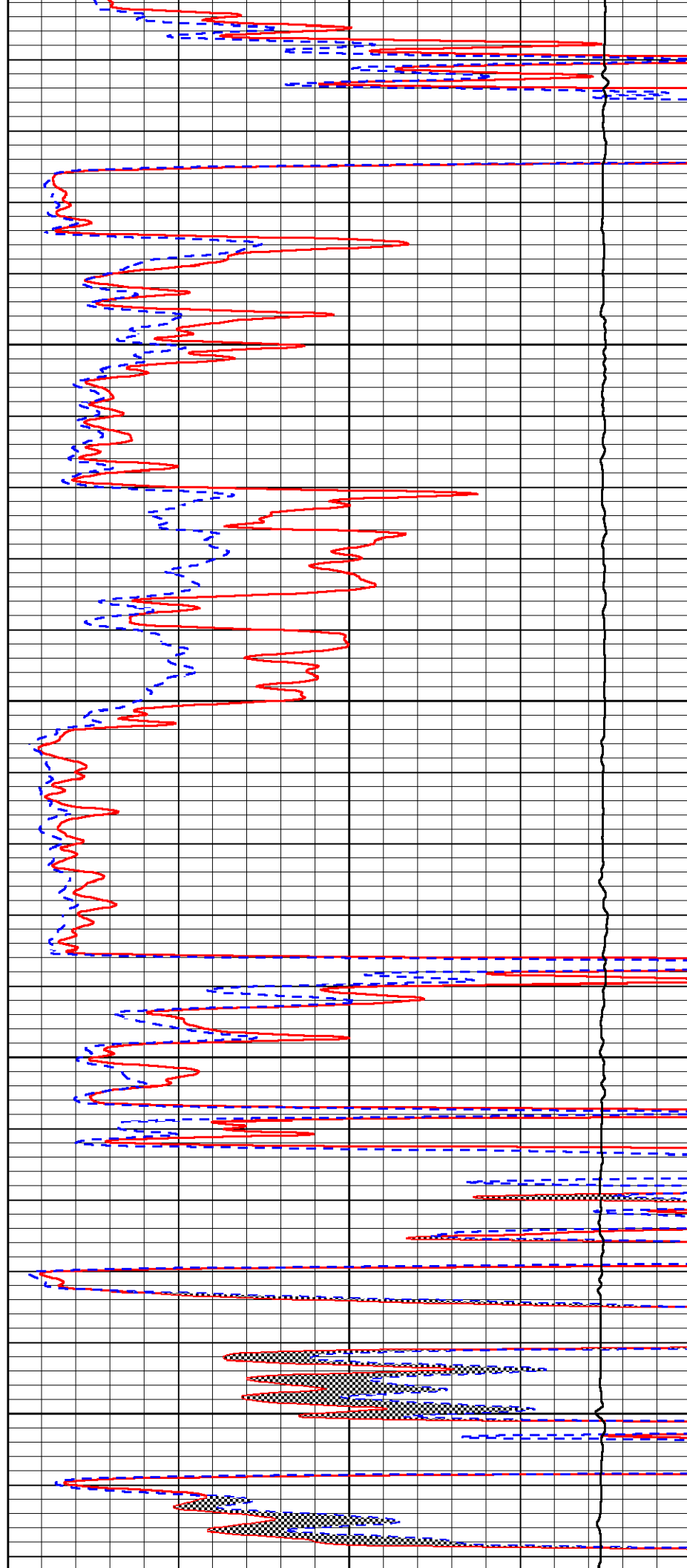


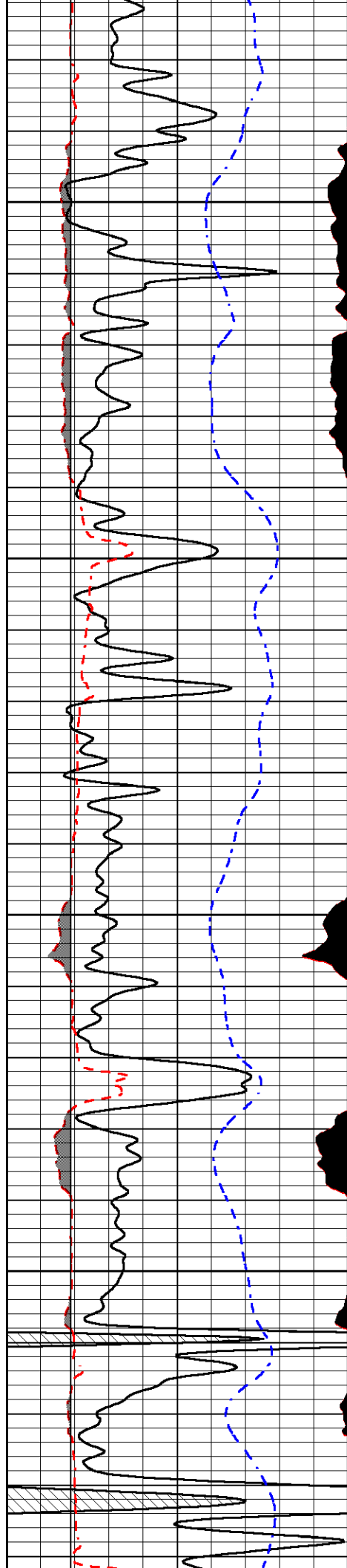
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3600

3650

3700



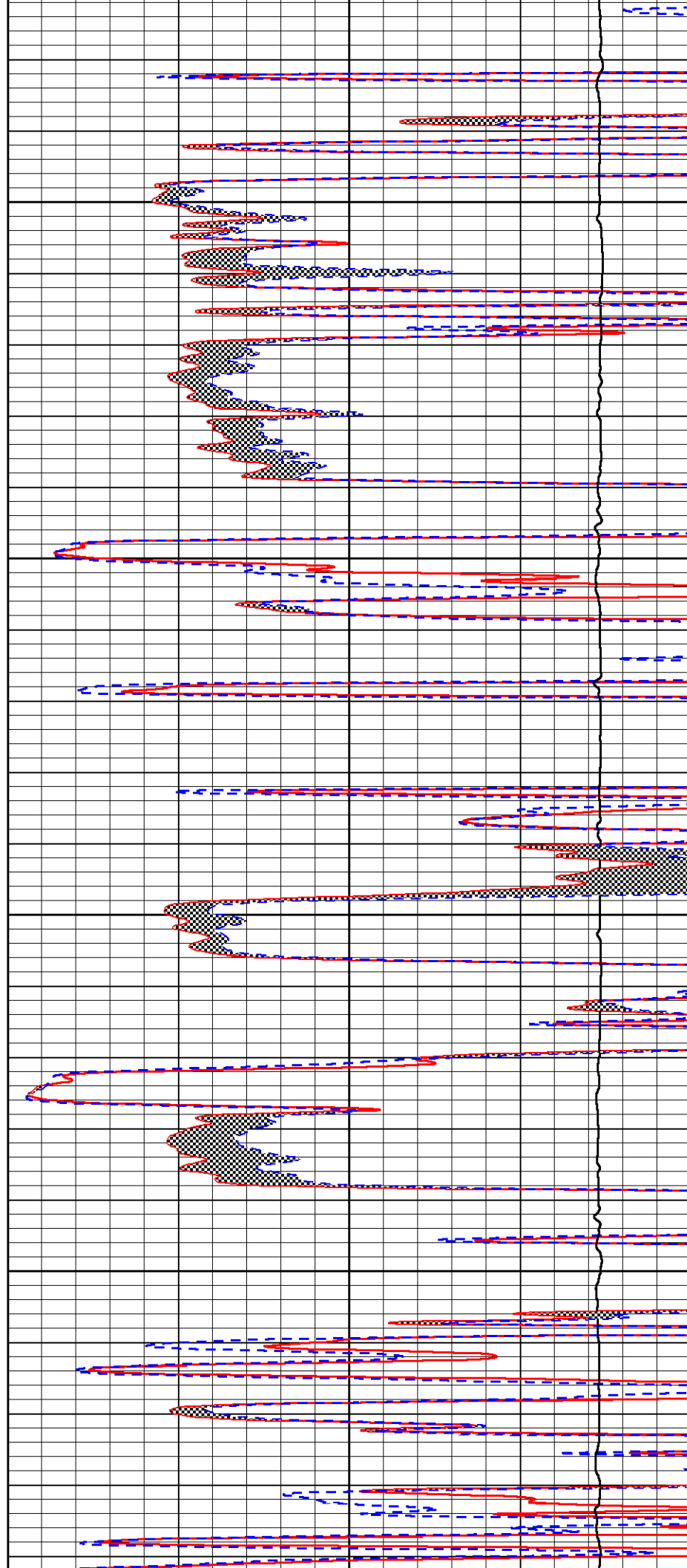


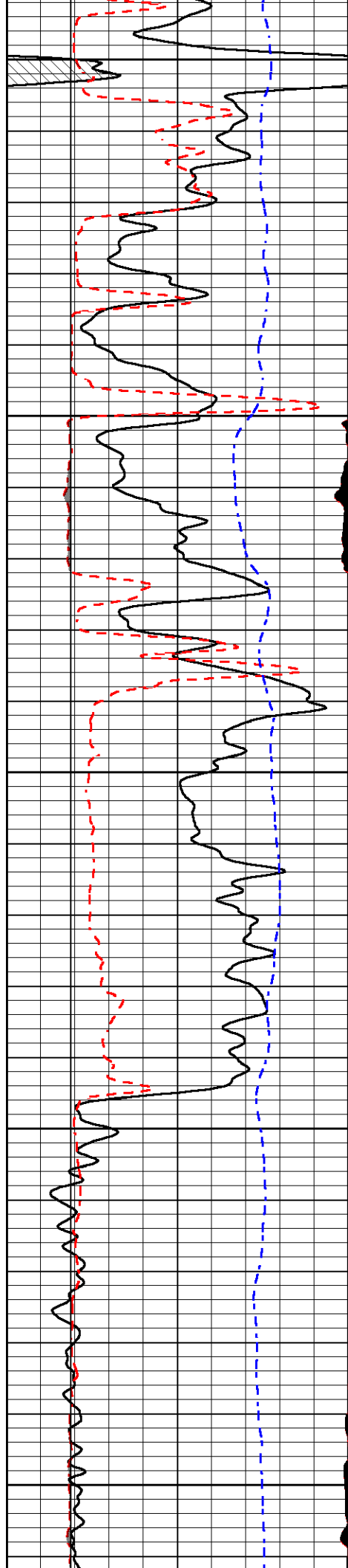
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3800

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3900





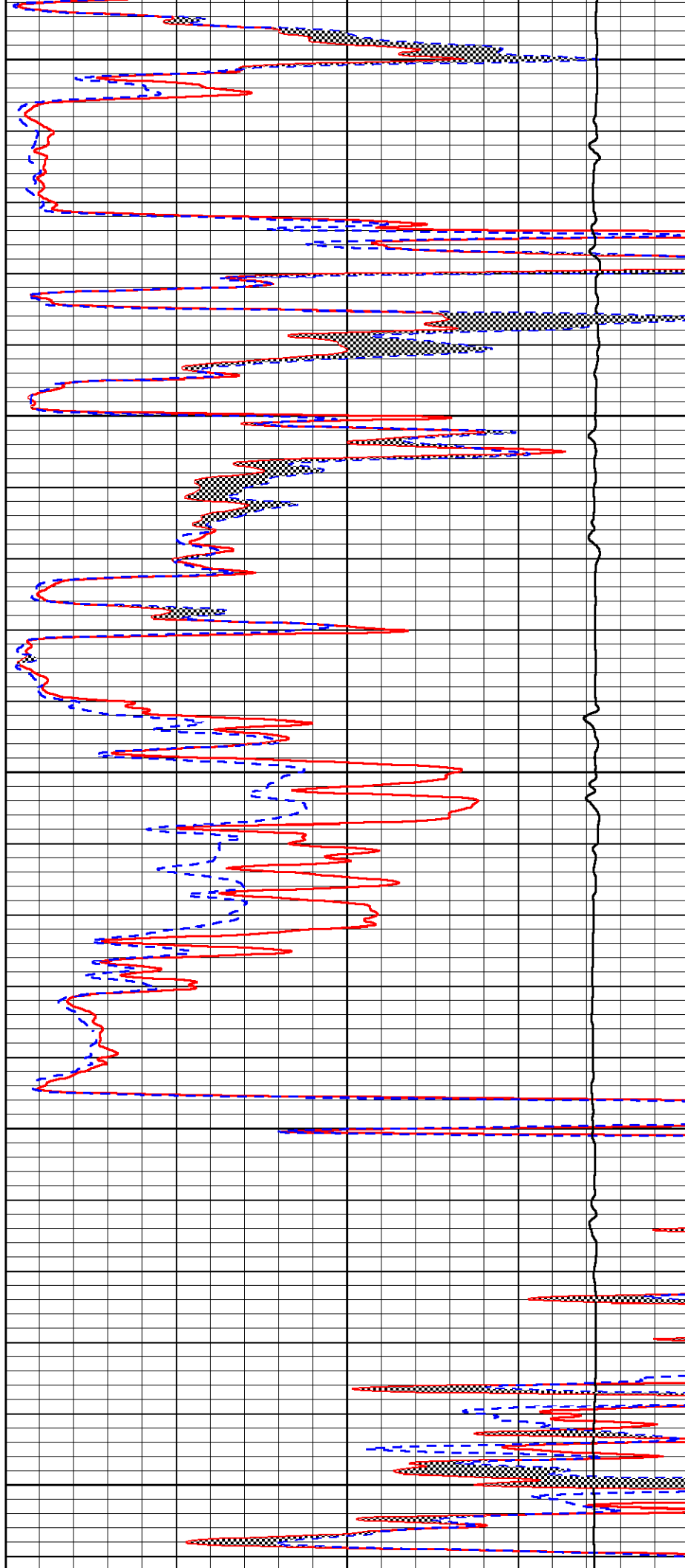
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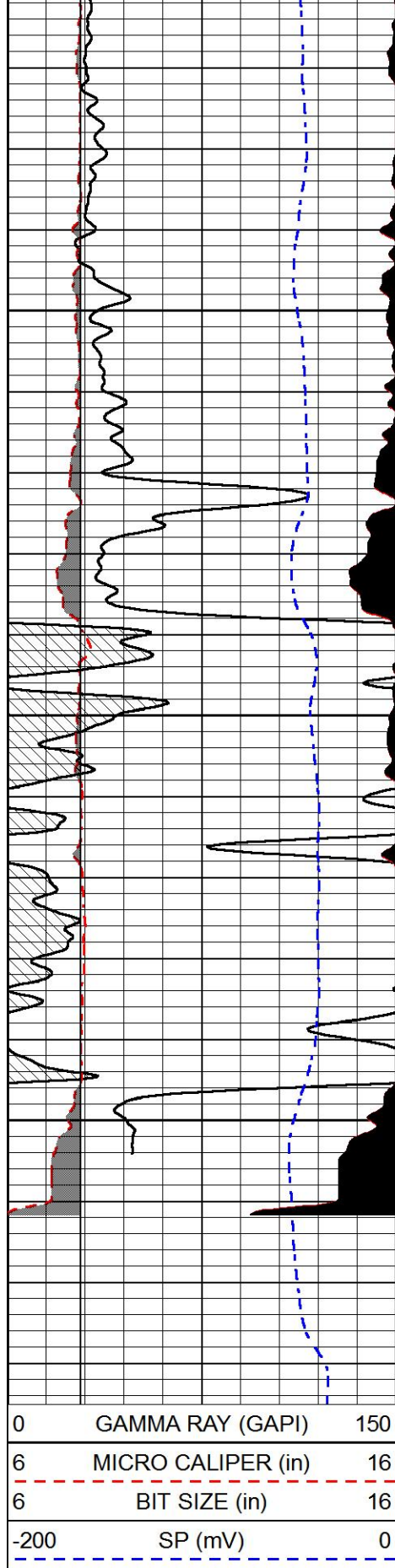
4000

4050

4100

4150

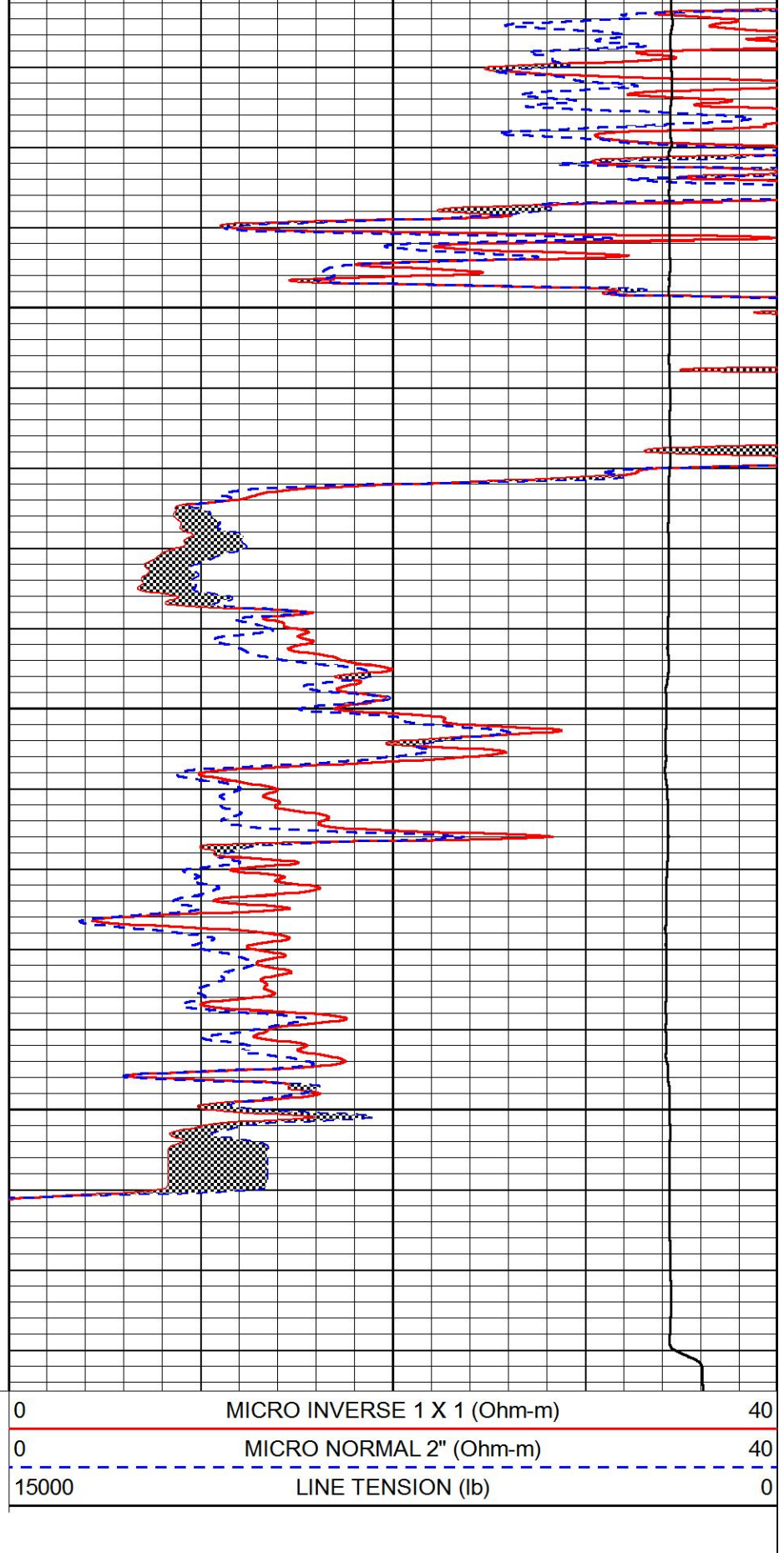




4200

4250

4300

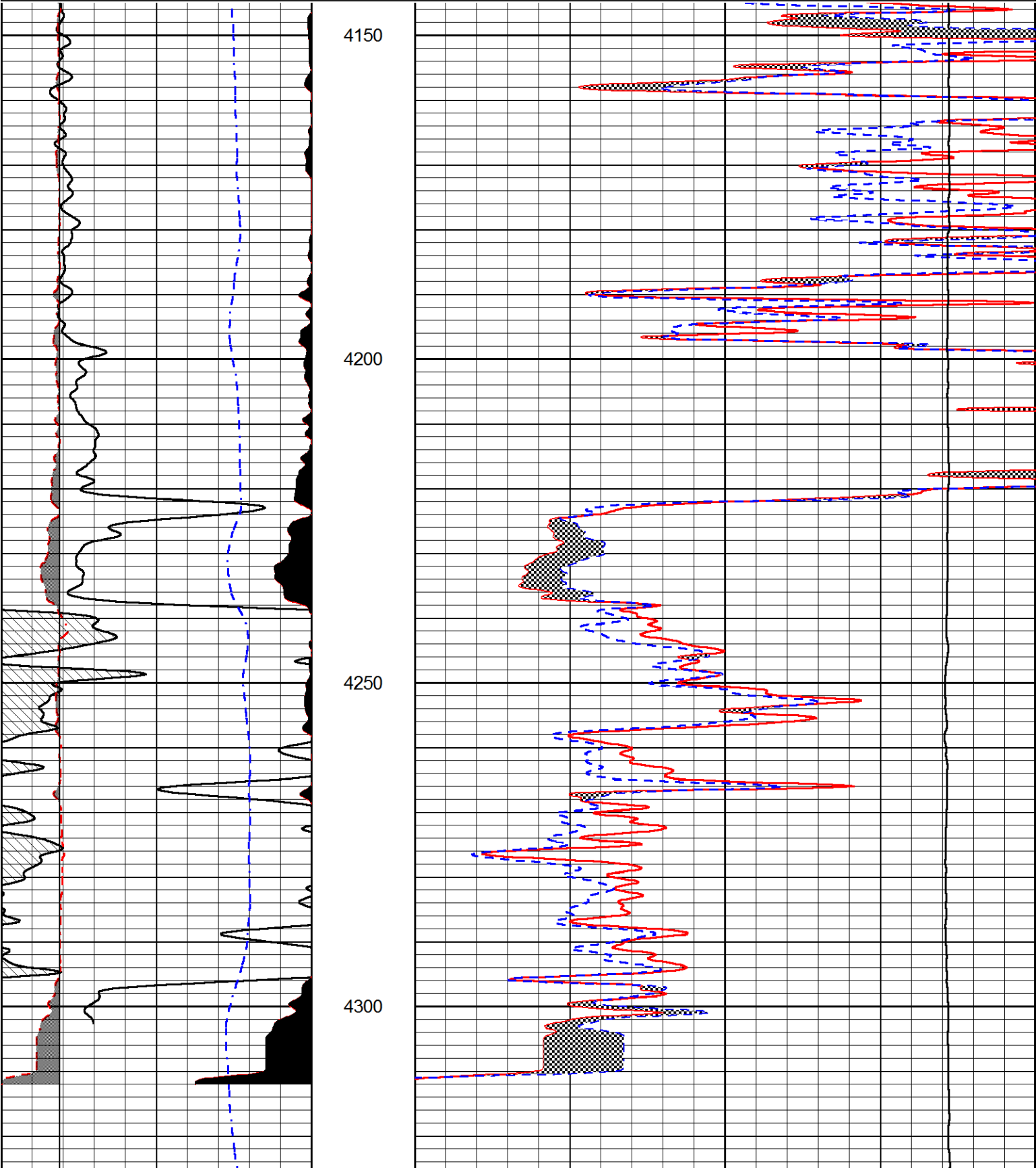


REPEAT SECTION

REPEAT PASS

Database File	garner_petty_christie_unit_1.db
Dataset Pathname	stack/pass2.1
Presentation Format	micro
Dataset Creation	Fri Jul 30 12:24:22 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0	MICRO INVERSE 1 X 1 (Ohm-m)	40
6	MICRO CALIPER (in)	16	0	MICRO NORMAL 2" (Ohm-m)	40
6	BIT SIZE (in)	16	15000	LINE TENSION (lb)	0
-200	SP (mV)	0			



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