



MICRO LOG

Company DOWNING NELSON OIL COMPANY, INC.

Well DOERR #5-34

Field

County ELLIS

State KANSAS

Location: API # : 15-051-26979-0000

1790' FSL & 2289' FWL

Other Services
CDL/CNL
DIL

SEC 34 TWP 15S RGE 19W3

Elevation

Permanent Datum GROUND LEVEL Elevation 2043
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

K.B. 2051
D.F. 2049
G.L. 2043

Date 12/8/19

Run Number TWO

Depth Driller 3639

Depth Logger 3640

Bottom Logged Interval 3638

Top Log Interval 2900

Casing Driller 8 5/8" @ 1260'

Casing Logger 1260'

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 8000 PPM

Density / Viscosity 9.1/47

pH / Fluid Loss 9.5/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .75 @ 60F

Rmf @ Meas. Temp .56 @ 60F

Rmc @ Meas. Temp .90 @ 60F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .40 @ 112F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 112F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By MARC DOWNING

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

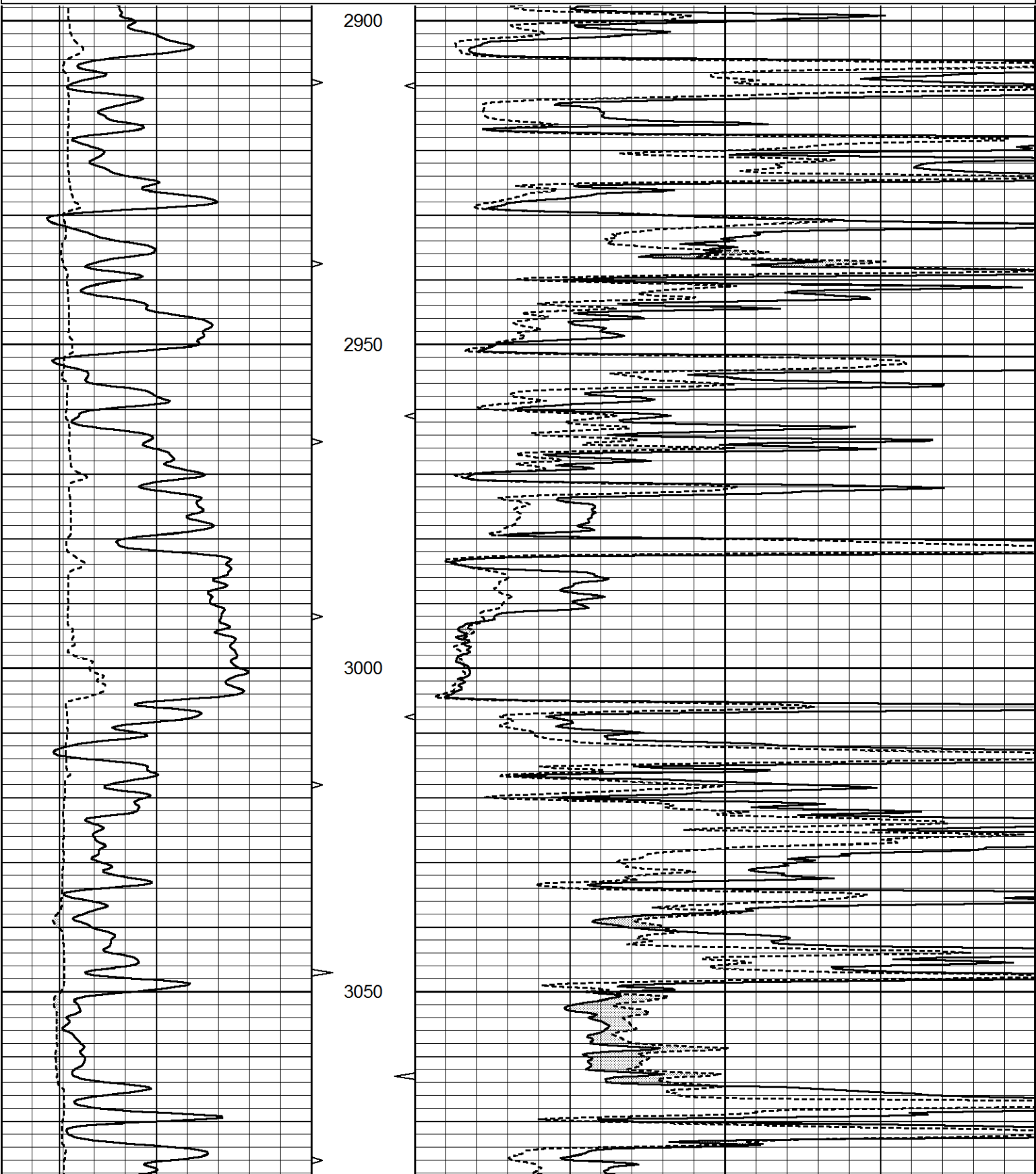
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
SCHOENCHEN, KS. - 5 WEST TO 200TH RD. - 1/2 SOUTH - WEST INTO

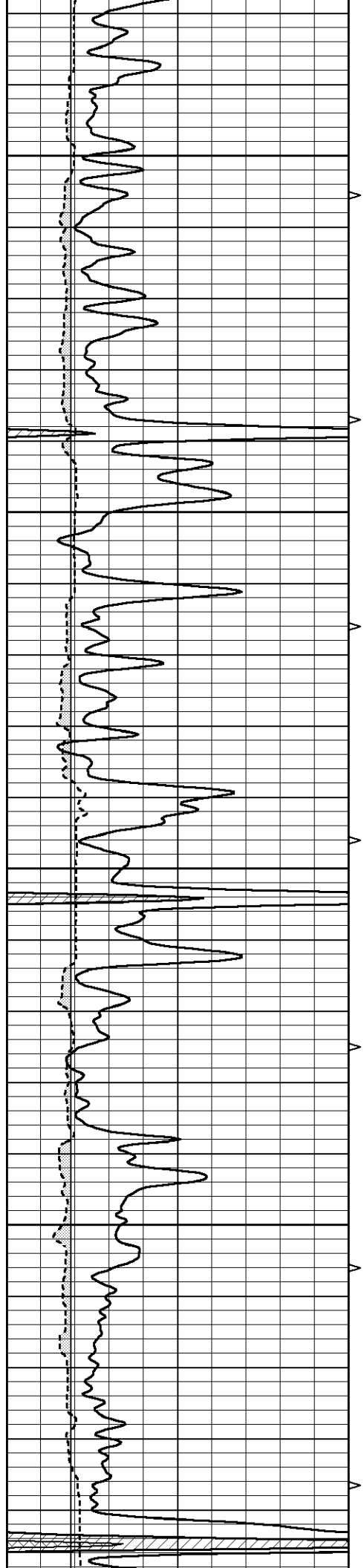


MAIN SECTION

Database File	4439ddn.db
Dataset Pathname	pass6.1
Presentation Format	_micro
Dataset Creation	Sun Dec 08 23:57:08 2019
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



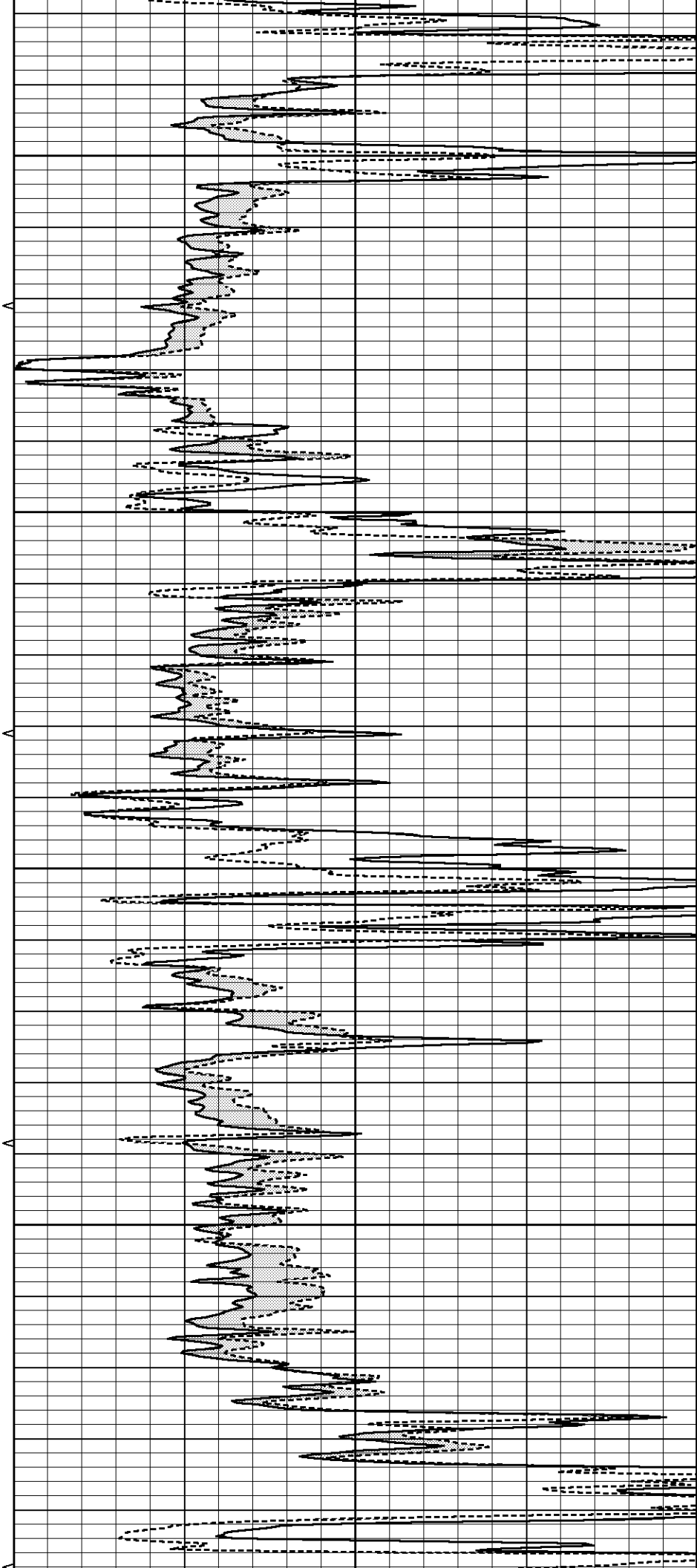


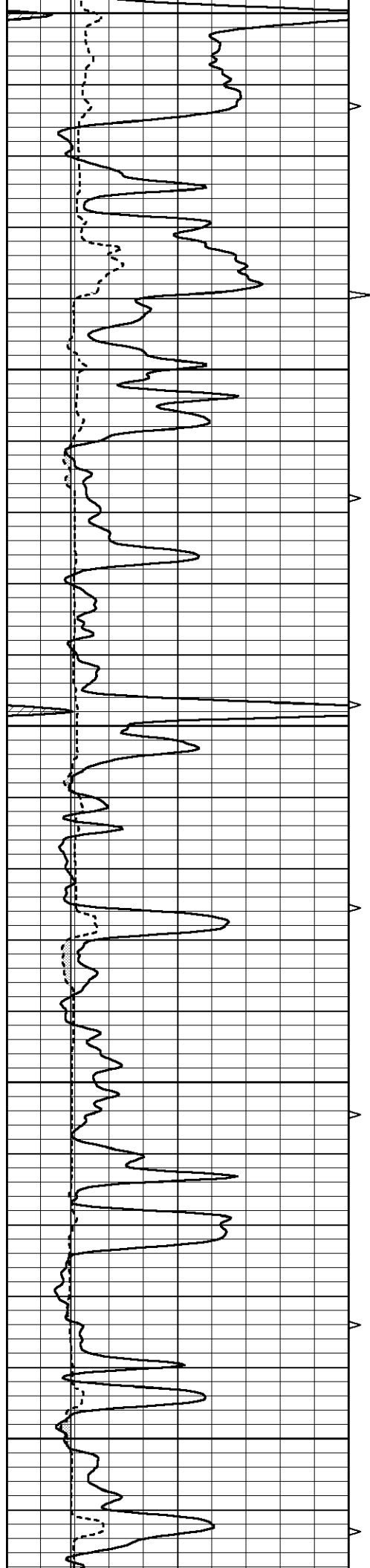
3100

3150

3200

3250





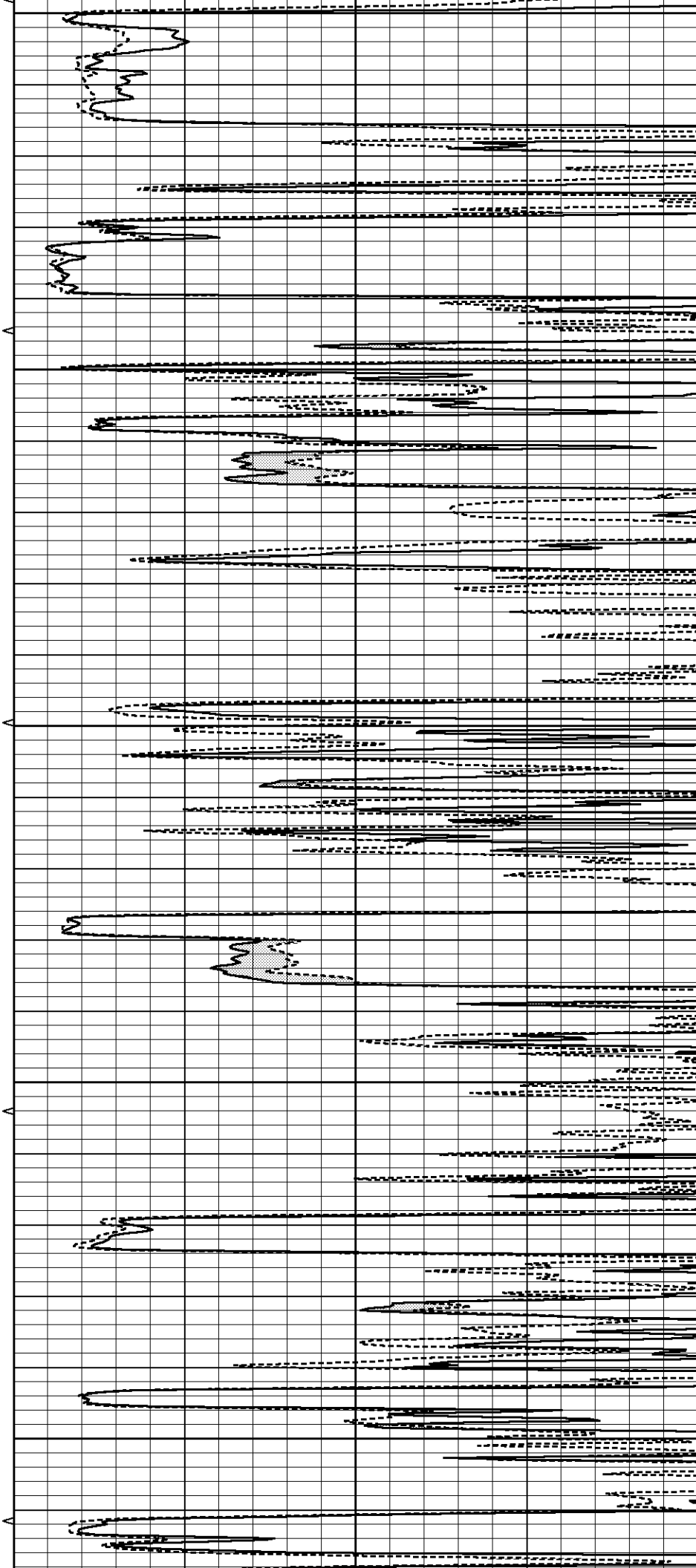
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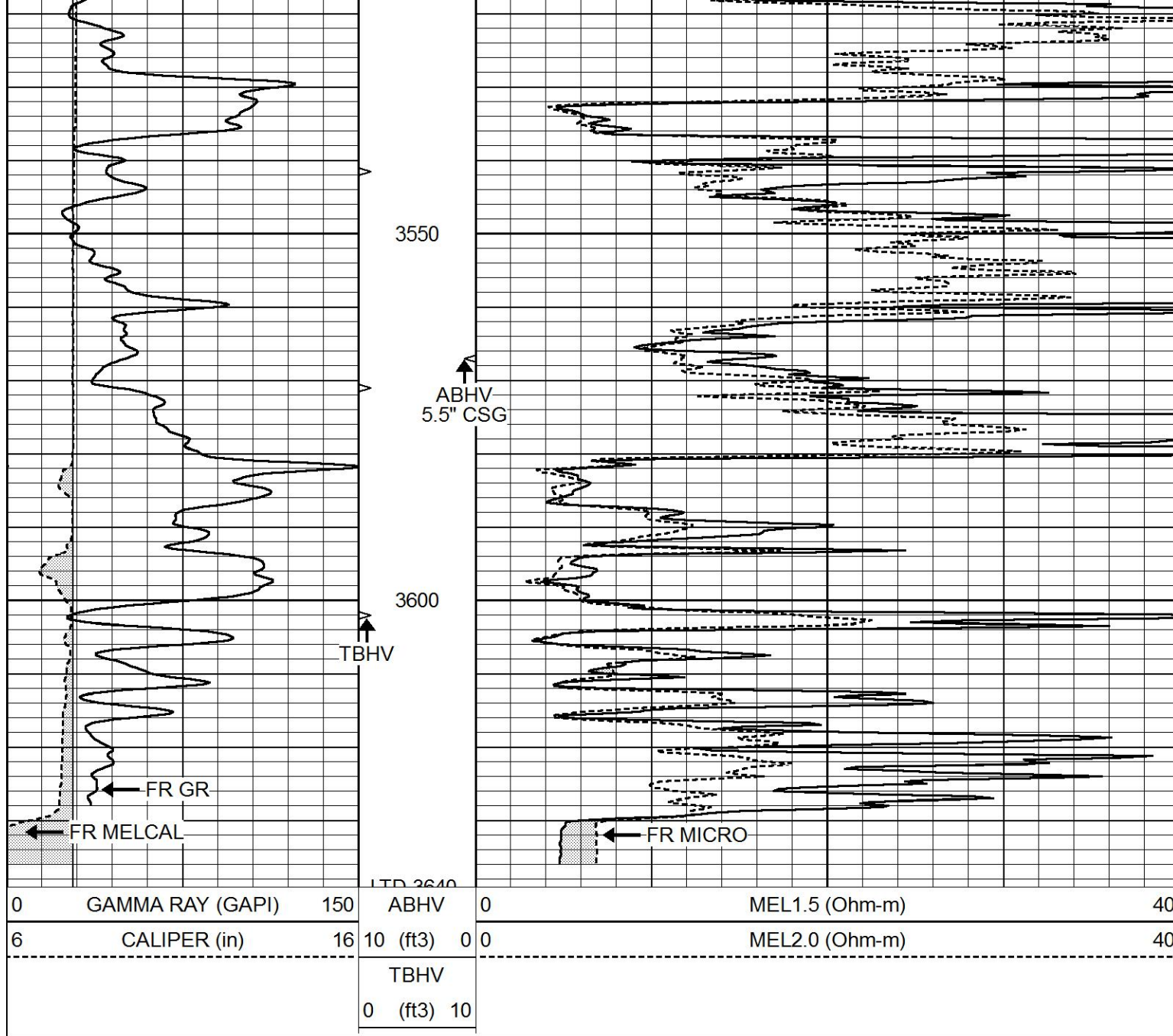
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3400

3450

3500

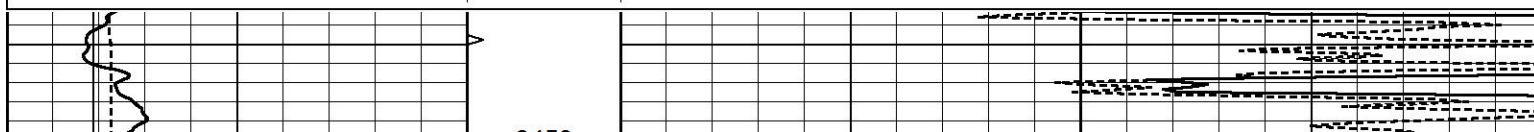


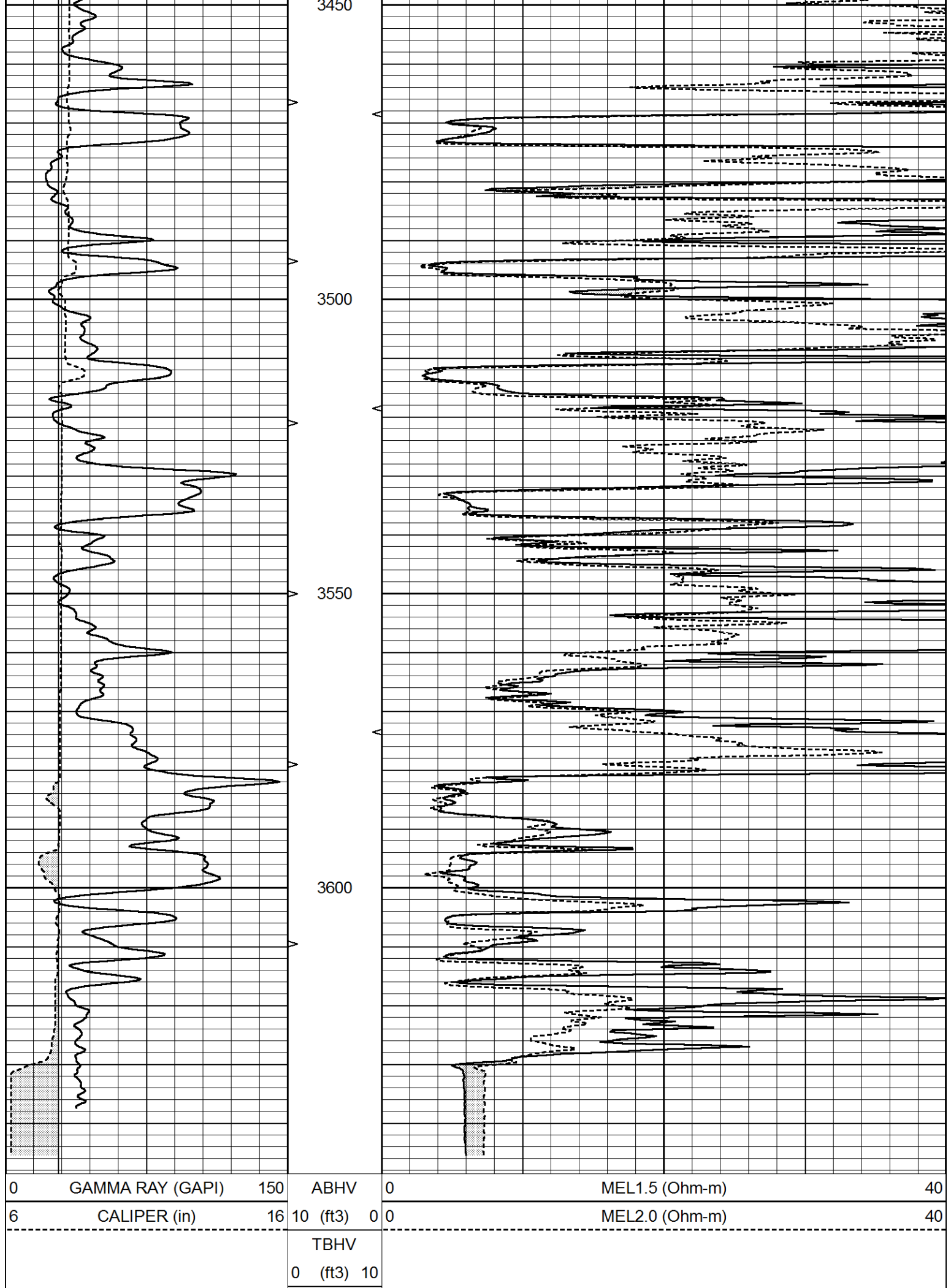


REPEAT SECTION

Database File 4439ddn.db
 Dataset Pathname pass5.1
 Presentation Format _micro
 Dataset Creation Sun Dec 08 23:44:39 2019
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			





Database File		4439ddn.db		Calibration Report				
Dataset Pathname		pass5.1						
Dataset Creation		Sun Dec 08 23:44:39 2019						
MICRO_USR Calibration Report								
Serial Number:		070910						
Tool Model:		ProbeL						
Performed:		Fri Aug 03 23:13:00 2018						
Caliper Calibration:		Gain=7.336		Offset=2.917				
References		Low Cal		High Cal				
Readings		8.000		14.000				
		0.652		1.470				
1.5" Calibration:		Gain=55.000		Offset=-0.067				
References		Low Cal		High Cal				
Readings		0.000		20.000				
		0.004		1.335				
2" Calibration:		Gain=75.000		Offset=-0.779				
References		Low Cal		High Cal				
Readings		0.000		20.000				
		0.004		1.029				
Microlog Calibration Report								
Serial-Model:		070910-ProbeL						
Performed:		(Not Performed)						
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0000	1.0000	V	0.0000	1.0000	Ohm-m	1.0000	0.0000
Inverse	0.0000	1.0000	V	0.0000	1.0000	Ohm-m	1.0000	0.0000
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000
Gamma Ray Calibration Report								
Serial Number:		070558						
Tool Model:		Probe1						
Performed:		Mon Jan 21 19:38:56 2019						
Calibrator Value:		1.0		GAPI				
Background Reading:		0.0		cps				
Calibrator Reading:		1.0		cps				
Sensitivity:		0.2500		GAPI/cps				