

MICRO LOG

Company NORSTAR PETROLEUM, INC.

Well BAHM #1-16

Field  
County LANE State KANSAS

Location: API #: 15-101-22620-0000  
1573' FNL & 1643' FWL

Permanent Datum GROUND LEVEL Elevation 2684.7  
Log Measured From KELLY BUSHING 7' A.G.L  
Drilling Measured From KELLY BUSHING  
Other Services CDL/CNL PE/DIL

SEC 16 TWP 19S RGE 27W  
Elevation  
K.B. 2691.7  
D.F. 2689.7  
G.L. 2684.7

Date 2/18/19

Run Number TWO

Depth Driller 4700

Depth Logger 4700

Bottom Logged Interval 4698

Top Log Interval 3800

Casing Driller 8 5/8" @ 220

Casing Logger 220

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 5300 PPM

Density / Viscosity 9.4/62

pH / Fluid Loss 9.5/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .70 @ 55F

Rmt @ Meas. Temp .52 @ 55F

Rmc @ Meas. Temp .84 @ 55F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .31 @ 122F

Time Circulation Stopped 2 HOURS

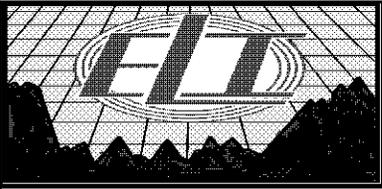
Time Logger on Bottom  
Maximum Recorded Temperature 122F  
Equipment Number 3802  
Location HAYS, KANSAS  
Recorded By JASON CAPPELLUCCI  
Witnessed By BRAD RINE

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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

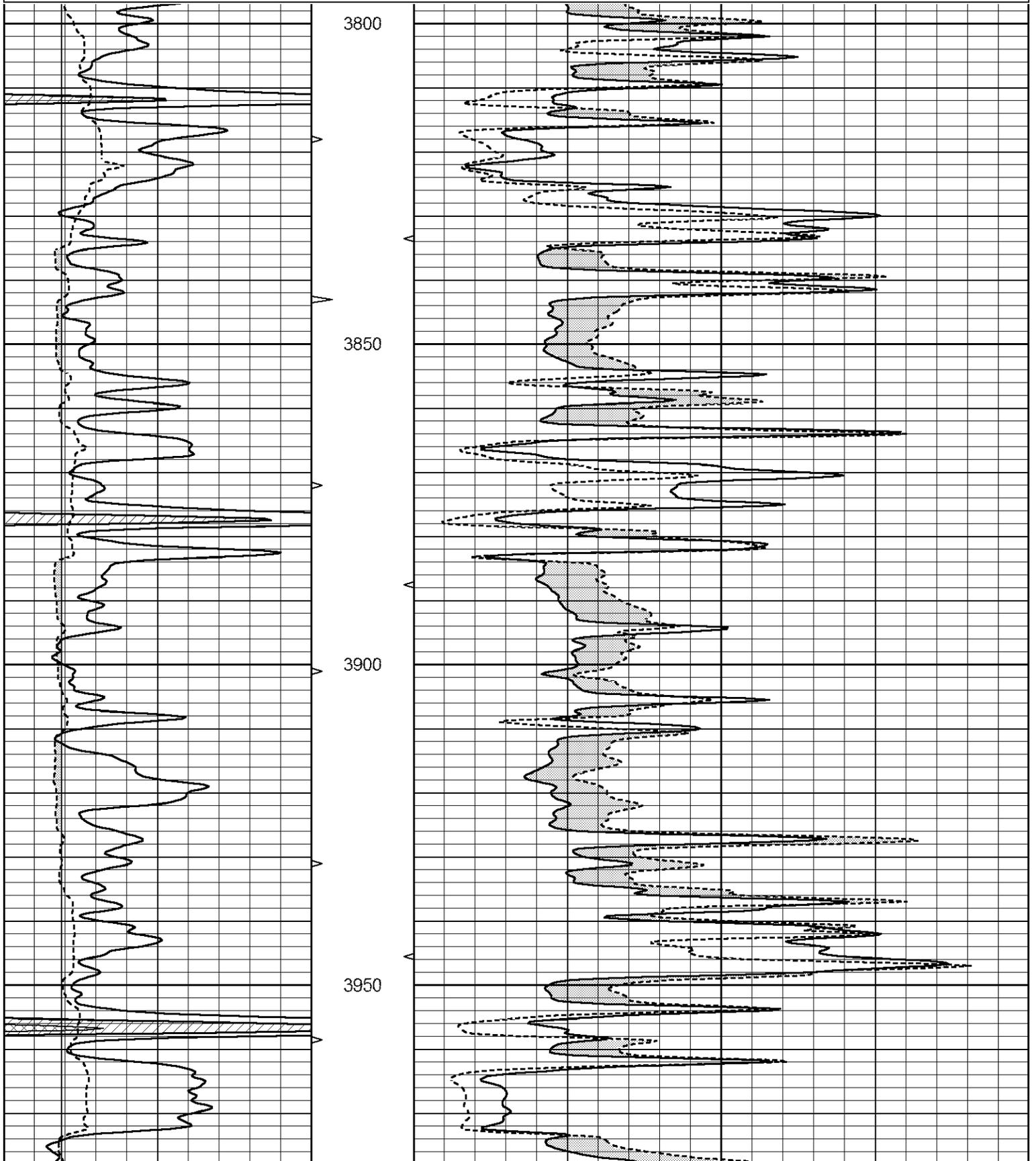
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. ( 785 ) 628-6395  
DIRECTIONS  
DIGHTON, KS. - 5 EAST TO QUANTUM RD. - 5 SOUTH TO RD. 100 - 2 EAST  
SOUTH INTO

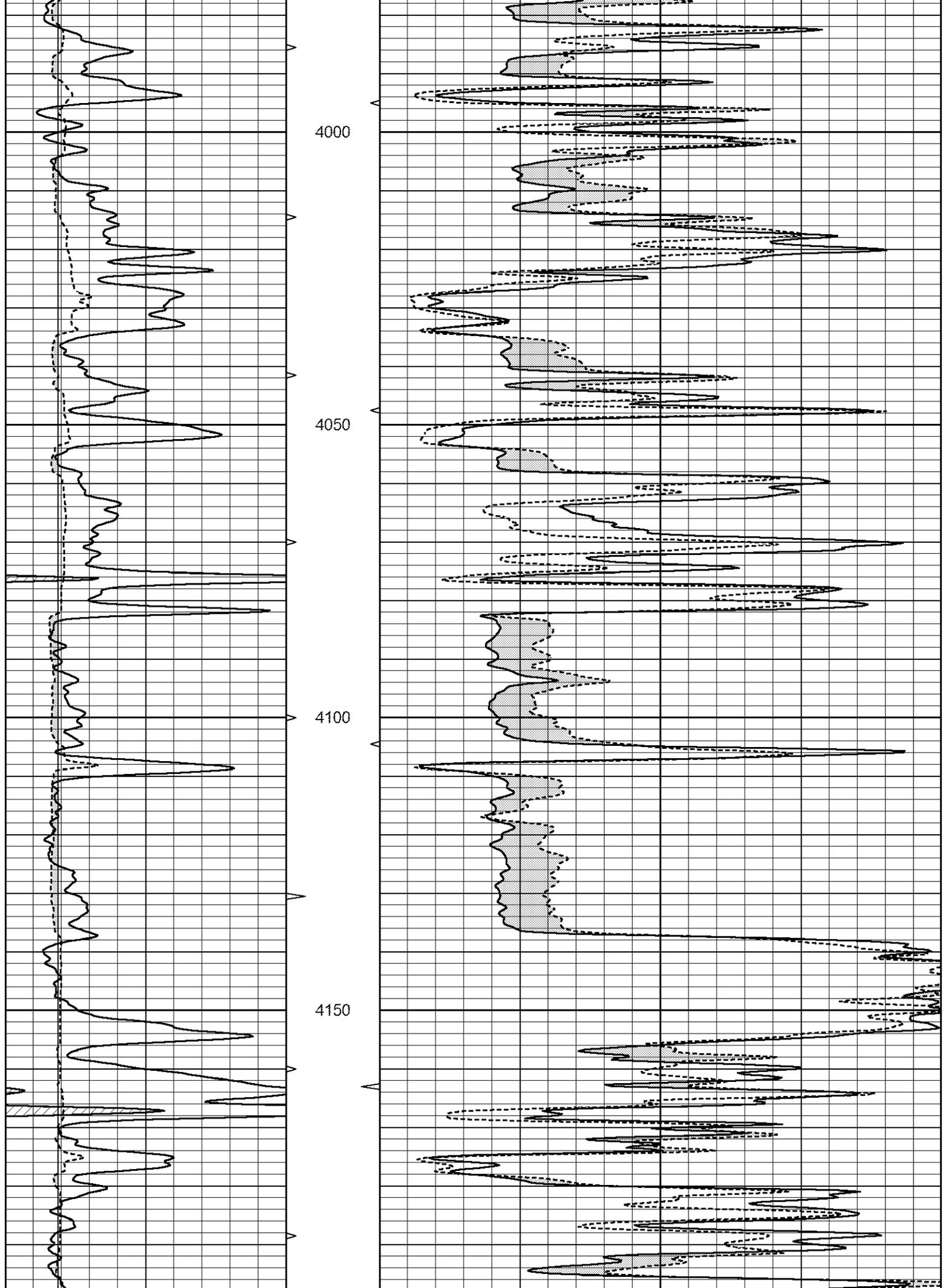


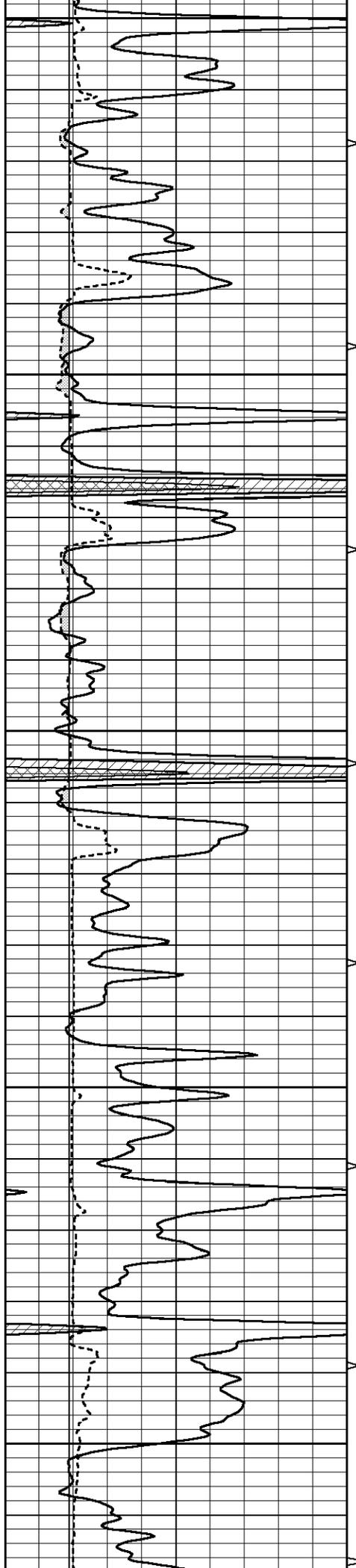
MAIN SECTION

Database File 3444pe8.db  
 Dataset Pathname pass6.1  
 Presentation Format \_micro  
 Dataset Creation Mon Feb 18 18:27:21 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		







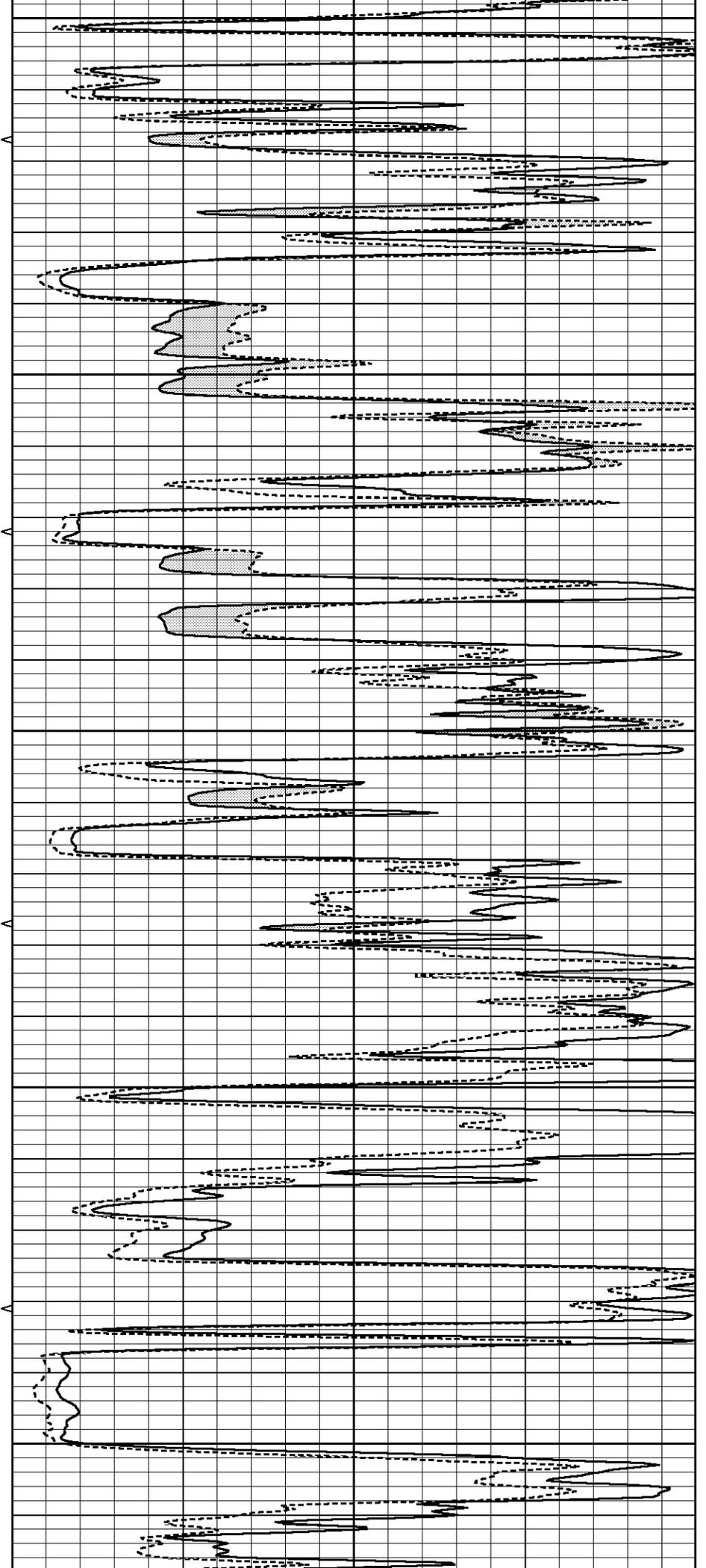
4200

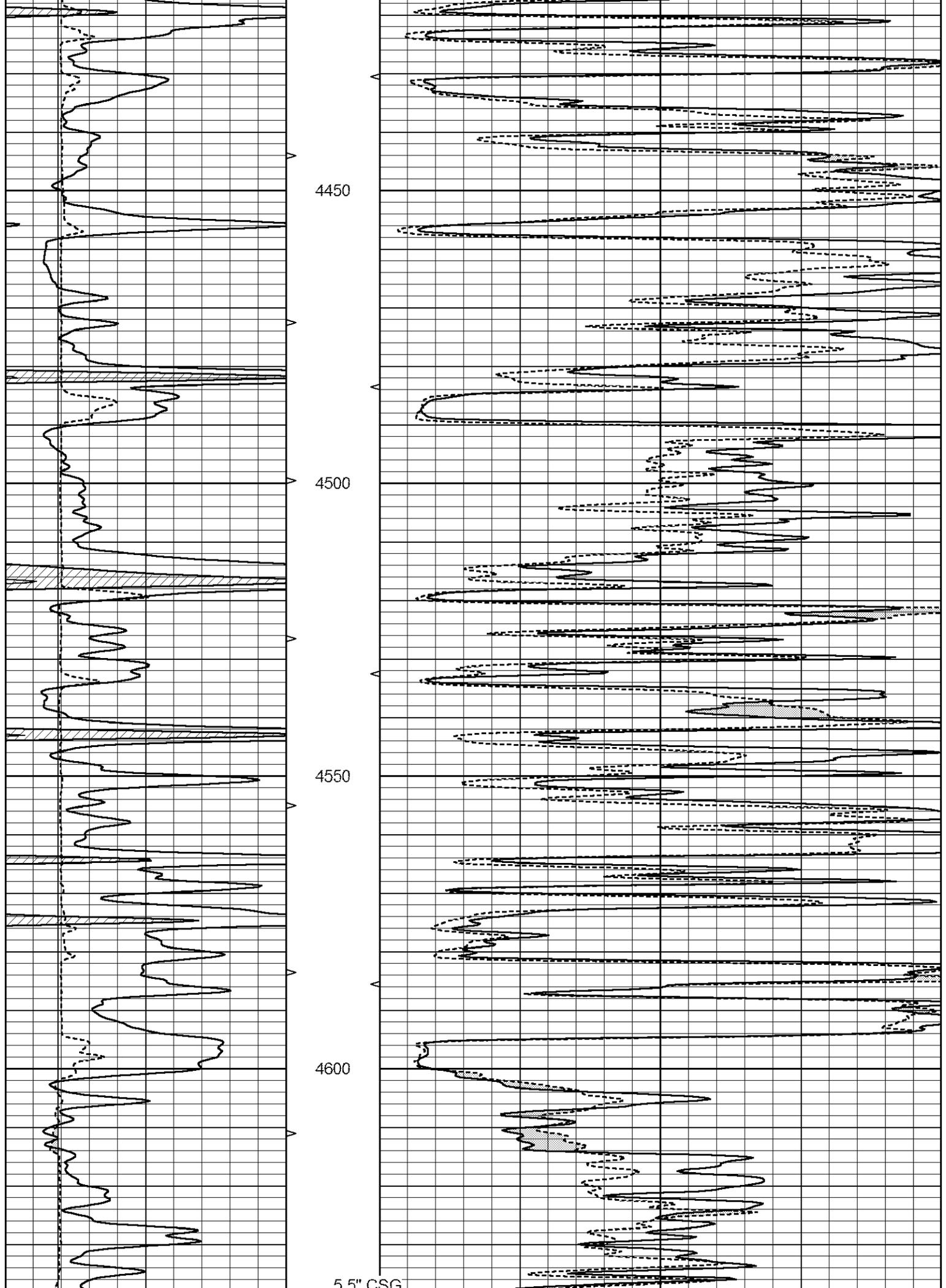
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4300

4350

4400





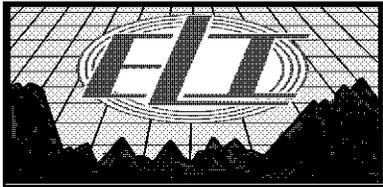
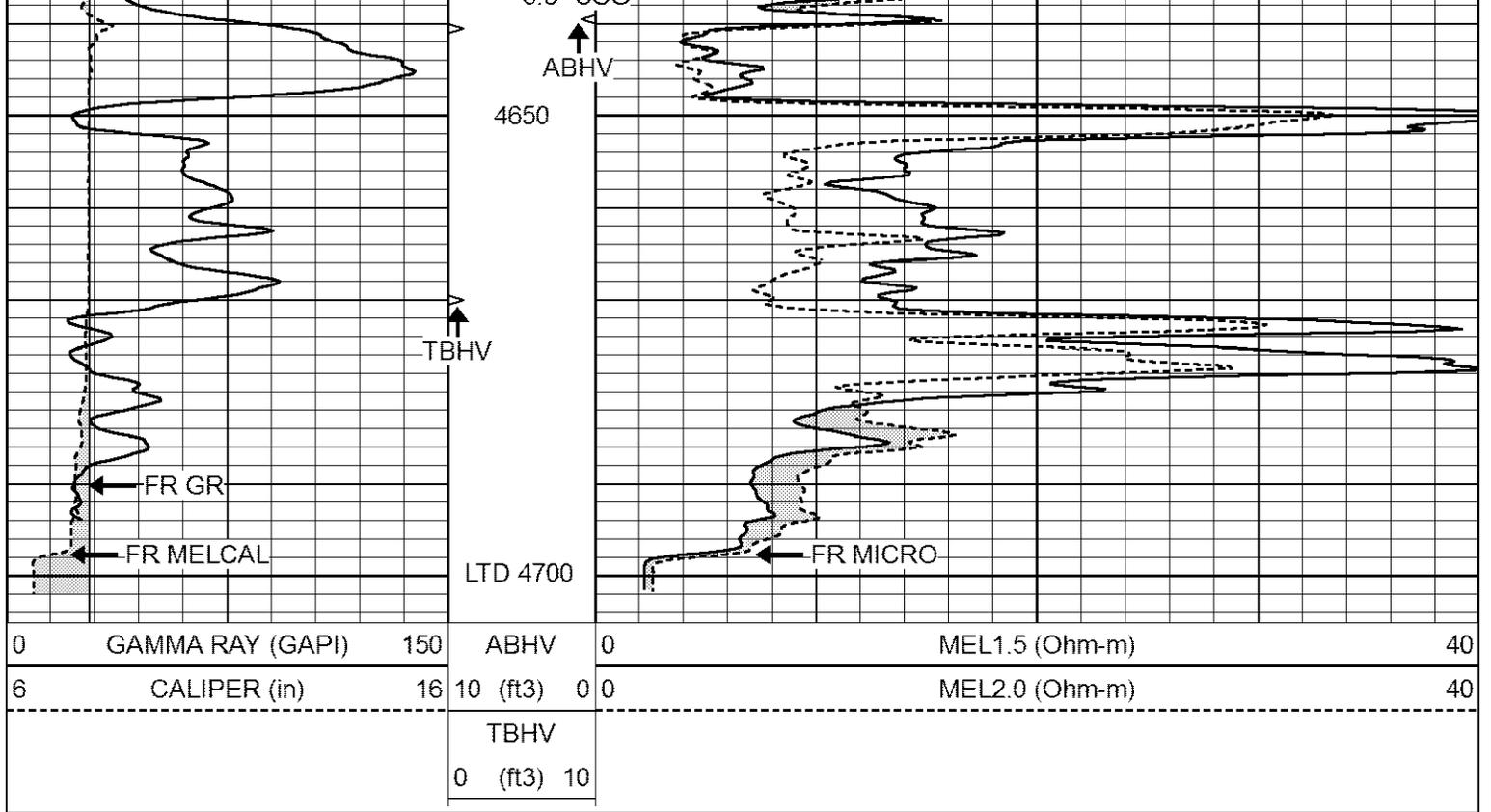
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4500

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4600

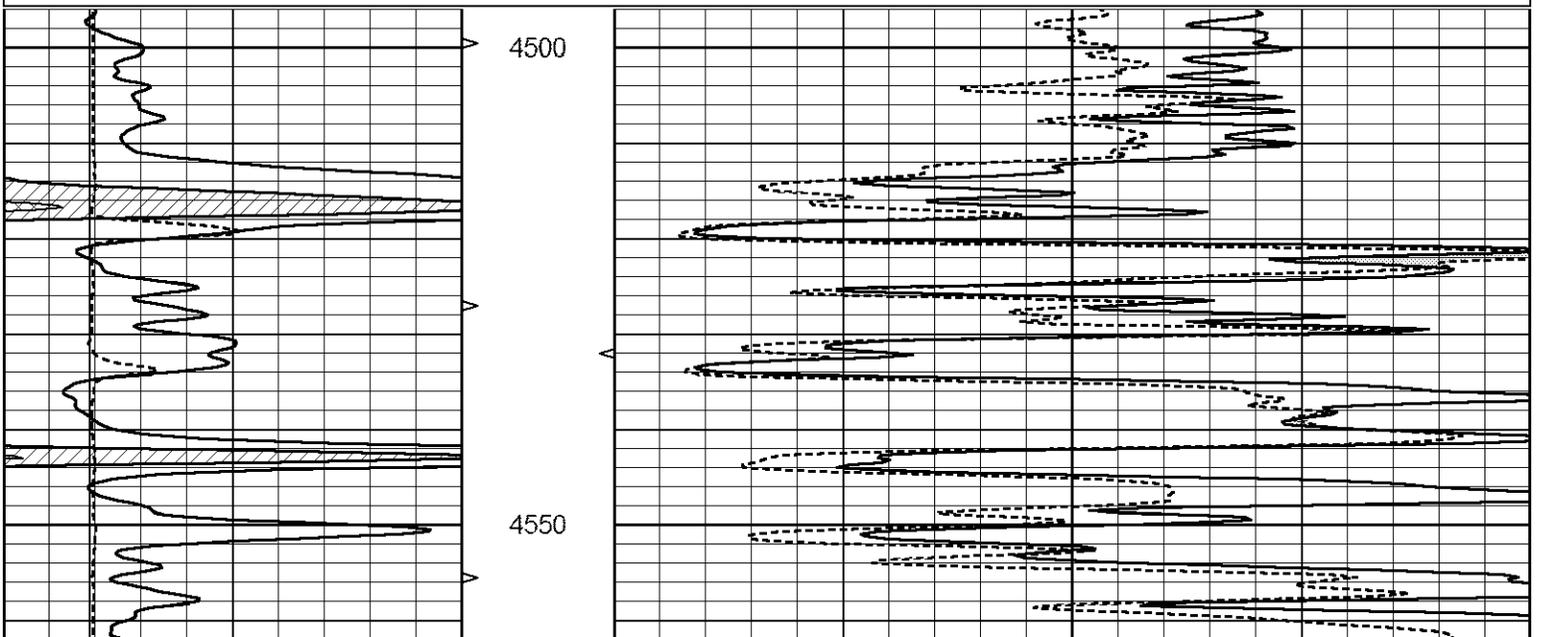
5.5" CSG



# REPEAT SECTION

Database File 3444pe8.db  
 Dataset Pathname pass5.1.1  
 Presentation Format \_micro  
 Dataset Creation Mon Feb 18 18:19:40 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		





Readings 1.451 3.049

1.5" Calibration: Gain=37.000 Offset=0.000  
References Low Cal High Cal  
0.000 20.000  
Readings 0.004 0.843

2" Calibration: Gain=65.000 Offset=-1.650  
References Low Cal High Cal  
0.000 20.000  
Readings 0.021 0.810

Microlog Calibration Report

Serial-Model: 070911-ProbeL  
Performed: Sat Apr 11 01:13:01 2015

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-0.0282
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