

**MICRO LOG**

Company CHARTER ENERGY, INC.  
 Well TRUMP #1  
 Field  
 County BARTON State KANSAS

Location: API #: 15-009-26242-0000  
 2275' FSL & 1932' FEL  
 SW - NE - NW - SE  
 SEC 1 TWP 20S RGE 14W  
 Permanent Datum GROUND LEVEL Elevation 1868  
 Log Measured From KELLY BUSHING 5' A.G.L  
 Drilling Measured From KELLY BUSHING  
 Other Services CDL/CNL DIL/SON  
 Elevation K.B. 1873 D.F. 1871 G.L. 1868

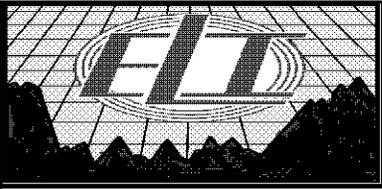
Date	12/15/18
Run Number	TWO
Depth Driller	3600
Depth Logger	3602
Bottom Logged Interval	3584
Top Log Interval	2900
Casing Driller	8 5/8" @ 8'10"
Casing Logger	808'
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	8.7/56
PH / Fluid Loss	9.0/7.6
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.45 @ 55F
Rmt @ Meas. Temp	.33 @ 55F
Rmc @ Meas. Temp	.54 @ 55F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.22 @ 112F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	////
Maximum Recorded Temperature	112F
Equipment Number	3802
Location	HAYS, KANSAS
Recorded By	JASON CAPPELLUCCI
Witnessed By	JIM MUSGROVE

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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**

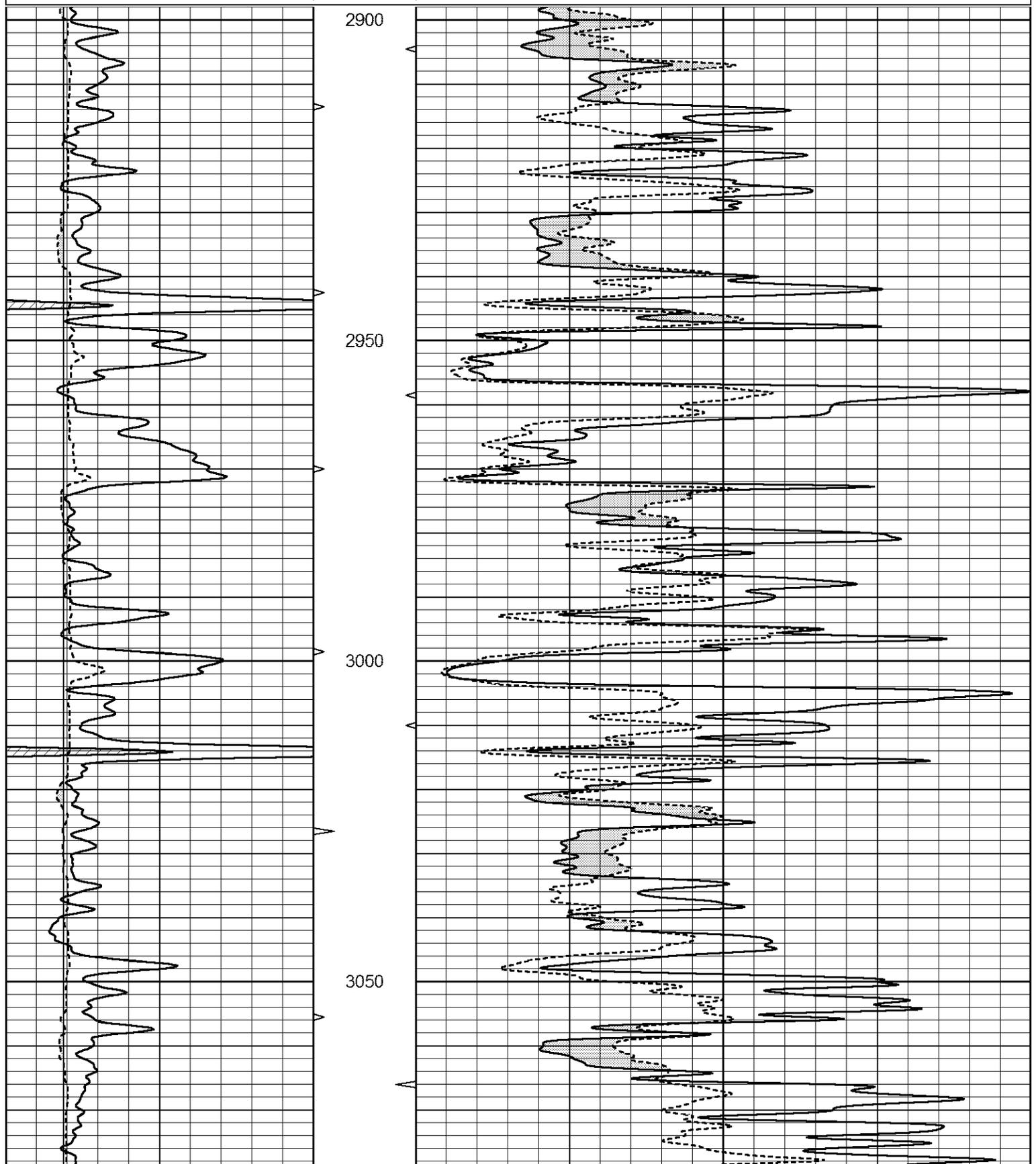
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. ( 785 ) 628-6395  
 DIRECTIONS  
 GREAT BEND, KS. - 1 MILE SOUTHWEST ON HWY 156 TO RD. 30 - SOUTH PAST  
 FENCE - EAST INTO

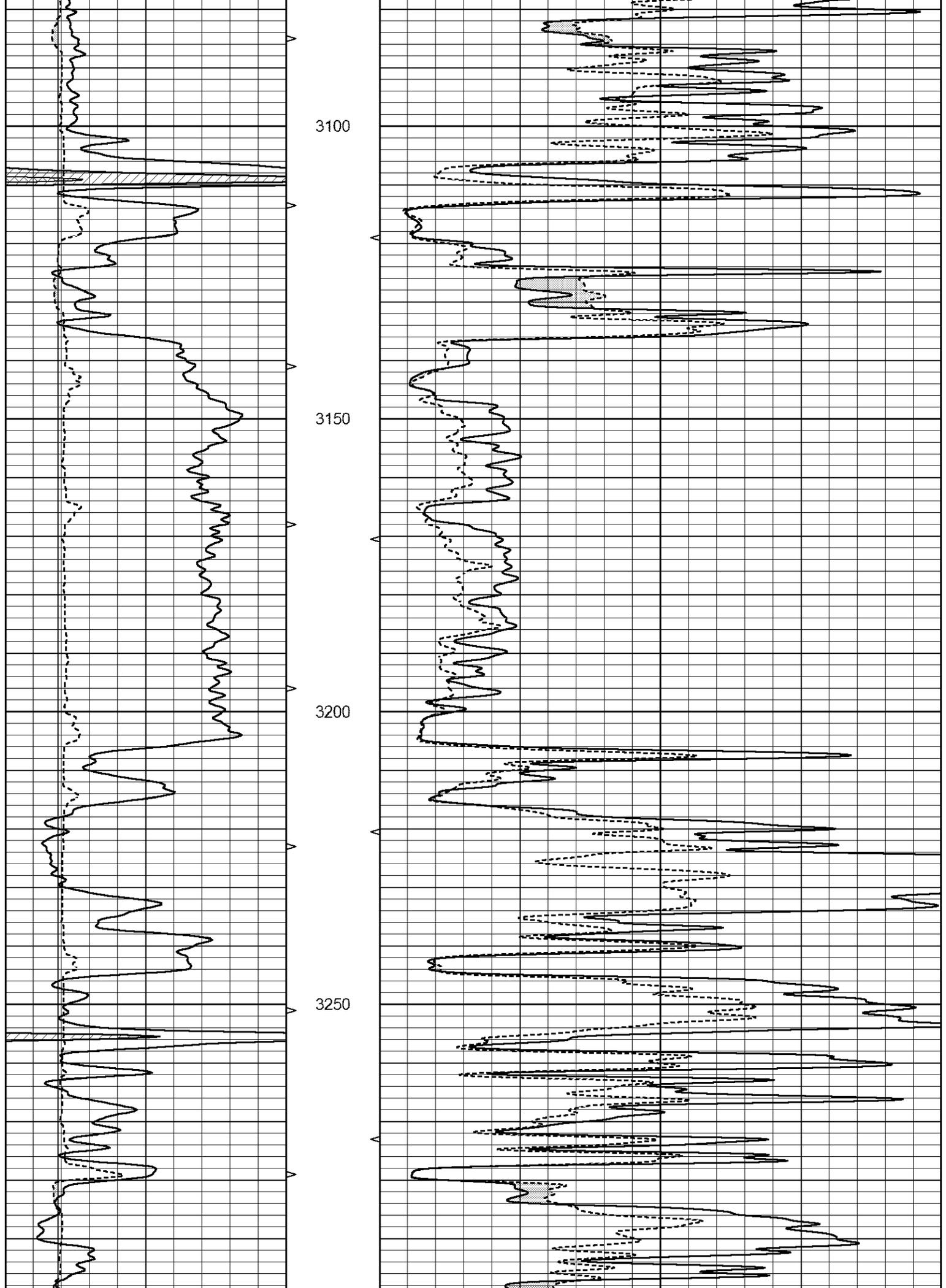


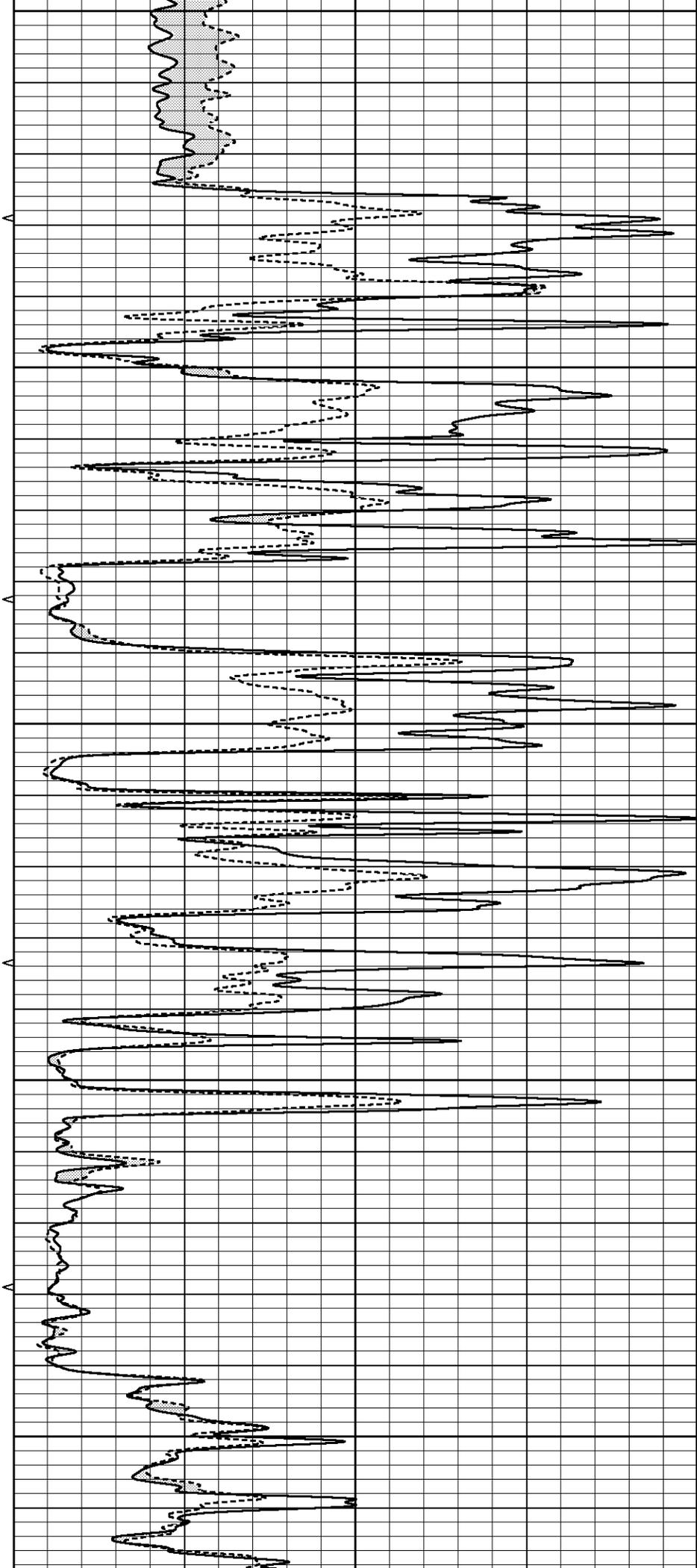
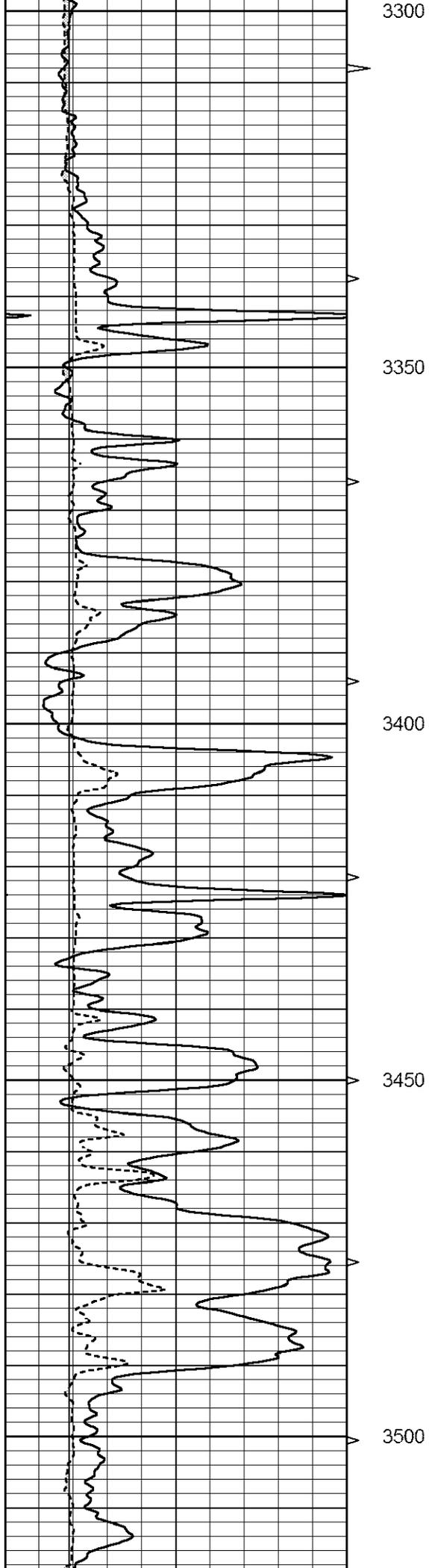
**MAIN SECTION**

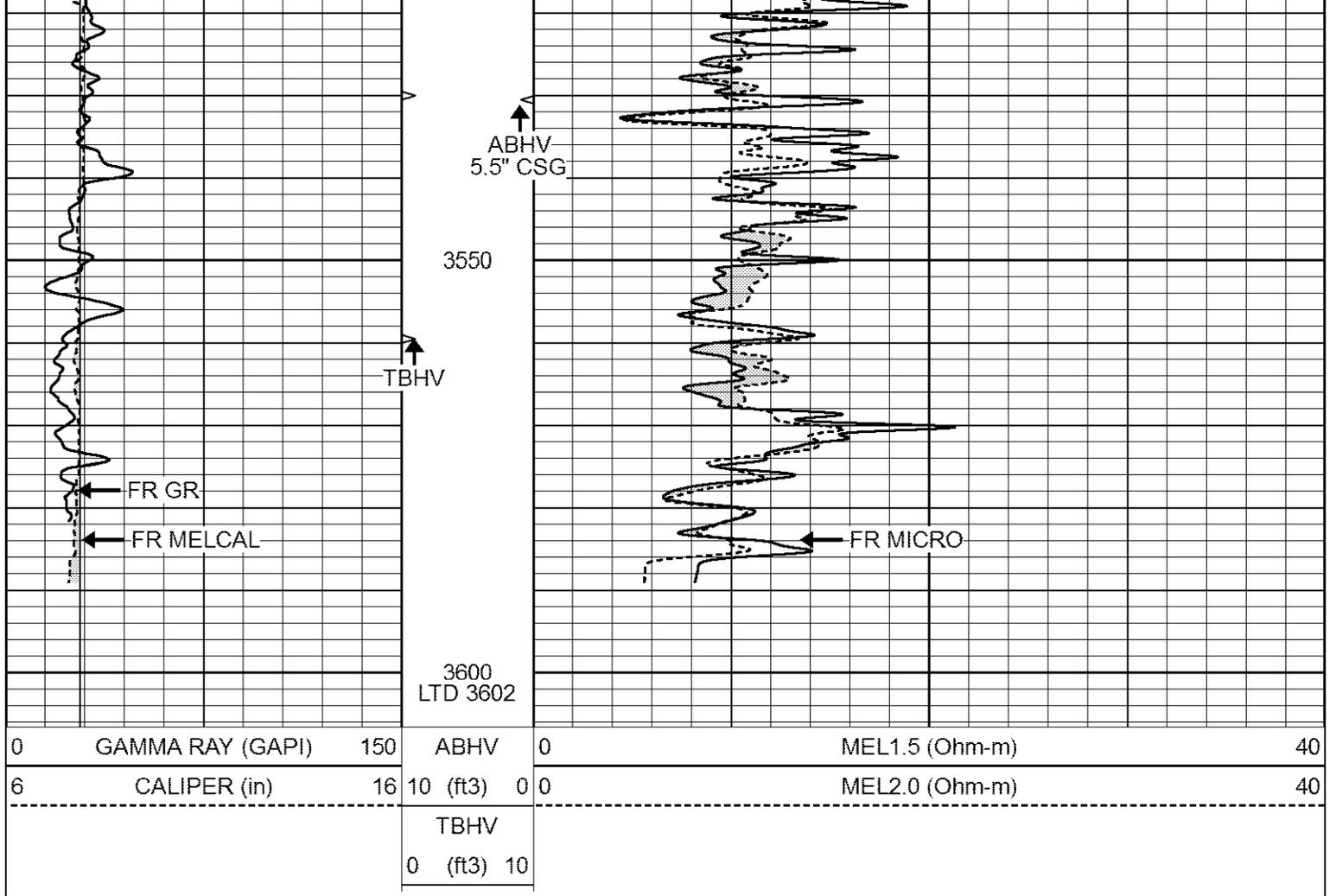
Database File 3430ddn8.db  
 Dataset Pathname pass6.1  
 Presentation Format \_micro  
 Dataset Creation Sat Dec 15 07:32:28 2018  
 Charted by Depth in Feet scaled 1:240

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		





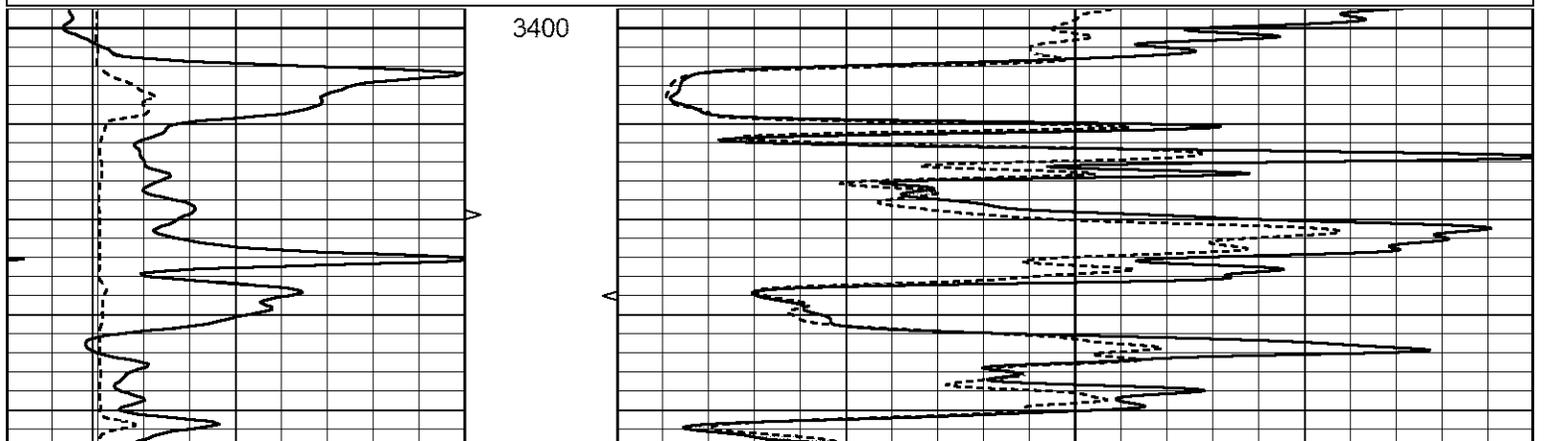


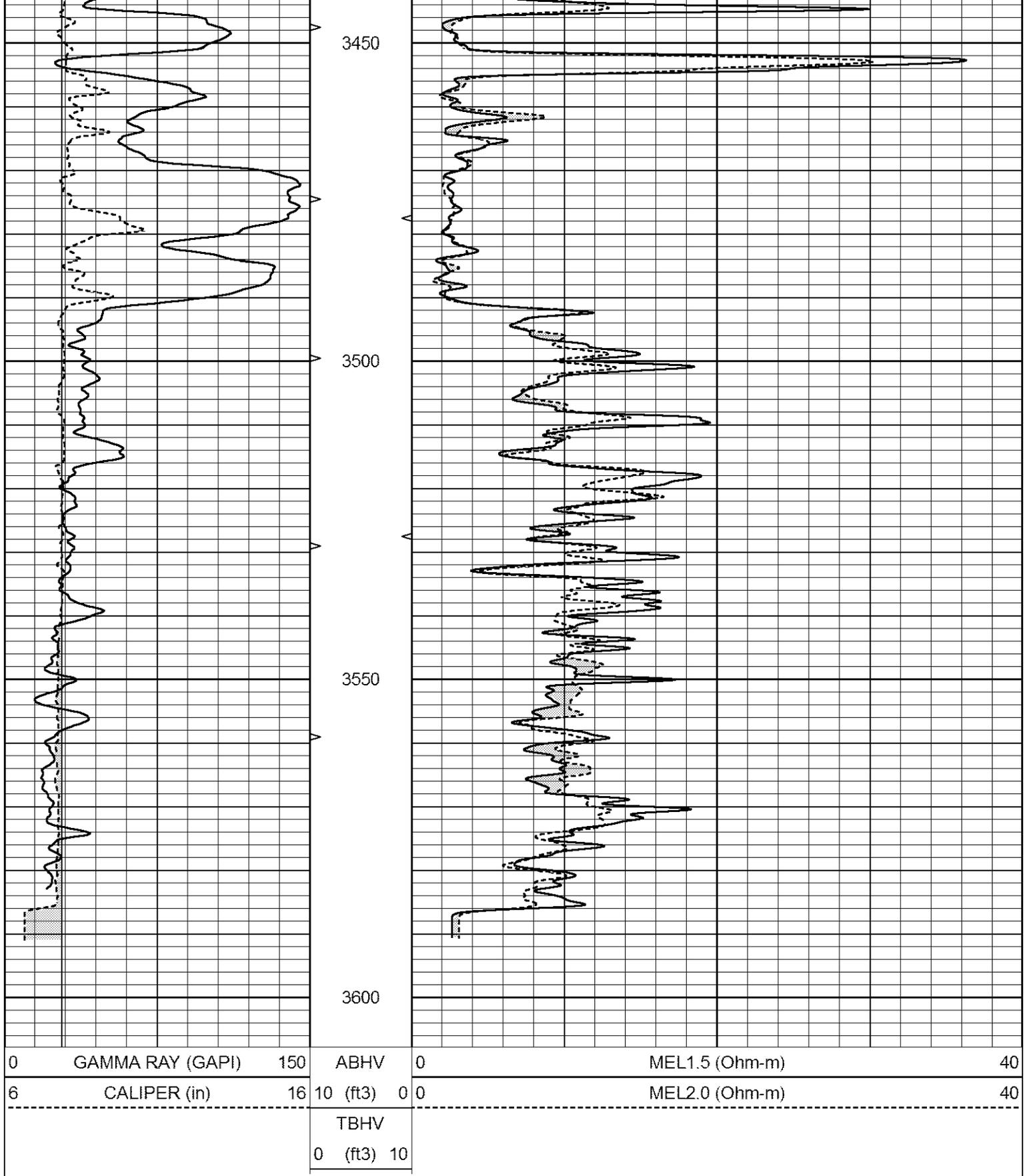


# REPEAT SECTION

Database File 3430ddn8.db  
 Dataset Pathname pass5.1  
 Presentation Format \_micro  
 Dataset Creation Sat Dec 15 07:23:02 2018  
 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			





Calibration Report

Database File 3430ddn8.db  
 Dataset Pathname pass5.1  
 Dataset Creation Sat Dec 15 07:23:02 2018

MICRO\_USR Calibration Report

Serial Number: 070911  
 Tool Model: Probel

Tool Model:  
Performed:

ProbeL  
Thu Dec 13 22:45:34 2018

Caliper Calibration:

Gain=3.755      Offset=2.950

References  
Readings

Low Cal      High Cal  
8.000      14.000  
1.451      3.049

1.5" Calibration:

Gain=37.000      Offset=0.000

References  
Readings

Low Cal      High Cal  
0.000      20.000  
0.004      0.843

2" Calibration:

Gain=75.000      Offset=-1.650

References  
Readings

Low Cal      High Cal  
0.000      20.000  
0.021      0.810

Microlog Calibration Report

Serial-Model:  
Performed:

070911-ProbeL  
Sat Apr 11 01:13:01 2015

Readings

References

Results

Zero

Cal

Zero

Cal

m

b

Normal  
Inverse  
Caliper

0.0002  
0.0018  
0.0000

0.4836  
0.6297  
1.0000

V  
V  
V

0.0000  
0.0000  
0.0000

10.0000  
10.0000  
1.0000

Ohm-m  
Ohm-m  
in

20.6908  
15.9263  
1.0000

-0.0051  
-0.0282  
0.0000

Gamma Ray Calibration Report

Serial Number:  
Tool Model:  
Performed:

7  
Probe1  
Wed Dec 05 01:26:33 2018

Calibrator Value:

1.0      GAPI

Background Reading:  
Calibrator Reading:

0.0      cps  
1.0      cps

Sensitivity:

0.2400      GAPI/cps