



MICRO LOG

Company JASPAR CO.  
 Well LARRY #1  
 Field UNNAMED  
 County ROOKS State KANSAS

Location: API #: 15-163-24347-00-00  
 330' FSL & 2290' FWL  
 SEC 20 TWP 9S RGE 19W  
 Permanent Datum GROUND LEVEL Elevation 2141'  
 Log Measured From KELLY BUSHING 5' A.G.L.  
 Drilling Measured From KELLY BUSHING  
 Other Services CDL/CNL/DIL SONIC  
 Elevation K.B. 2148'  
 D.F. 2144'  
 G.L. 2141'

Date	11/19/17
Run Number	TWO
Depth Driller	3595
Depth Logger	3599
Bottom Logged Interval	3577
Top Log Interval	2900
Casing Driller	8 5/8" @ 218
Casing Logger	218
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1/48
pH / Fluid Loss	10.0/8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.95@50
Rmt @ Meas. Temp	.71@50
Rmc @ Meas. Temp	1.14@50
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.42@112
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	112F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	JEFF LAWLER

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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, HAYS, KS. (785) 628-6395

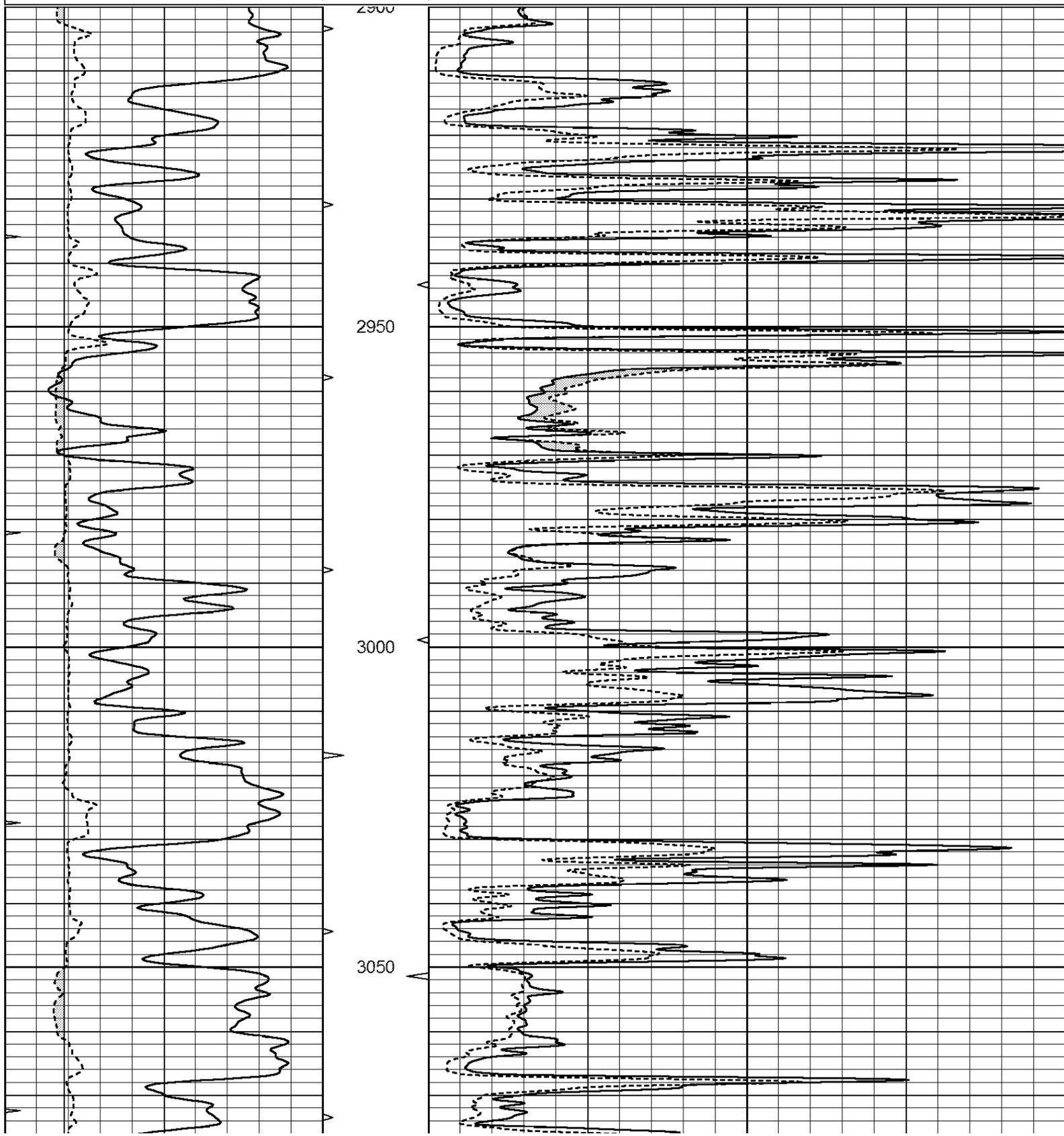
DIRECTIONS  
 ZURICH WEST 1 MILE, NORTH 1,  
 3/4 WEST, NORTH INTO.

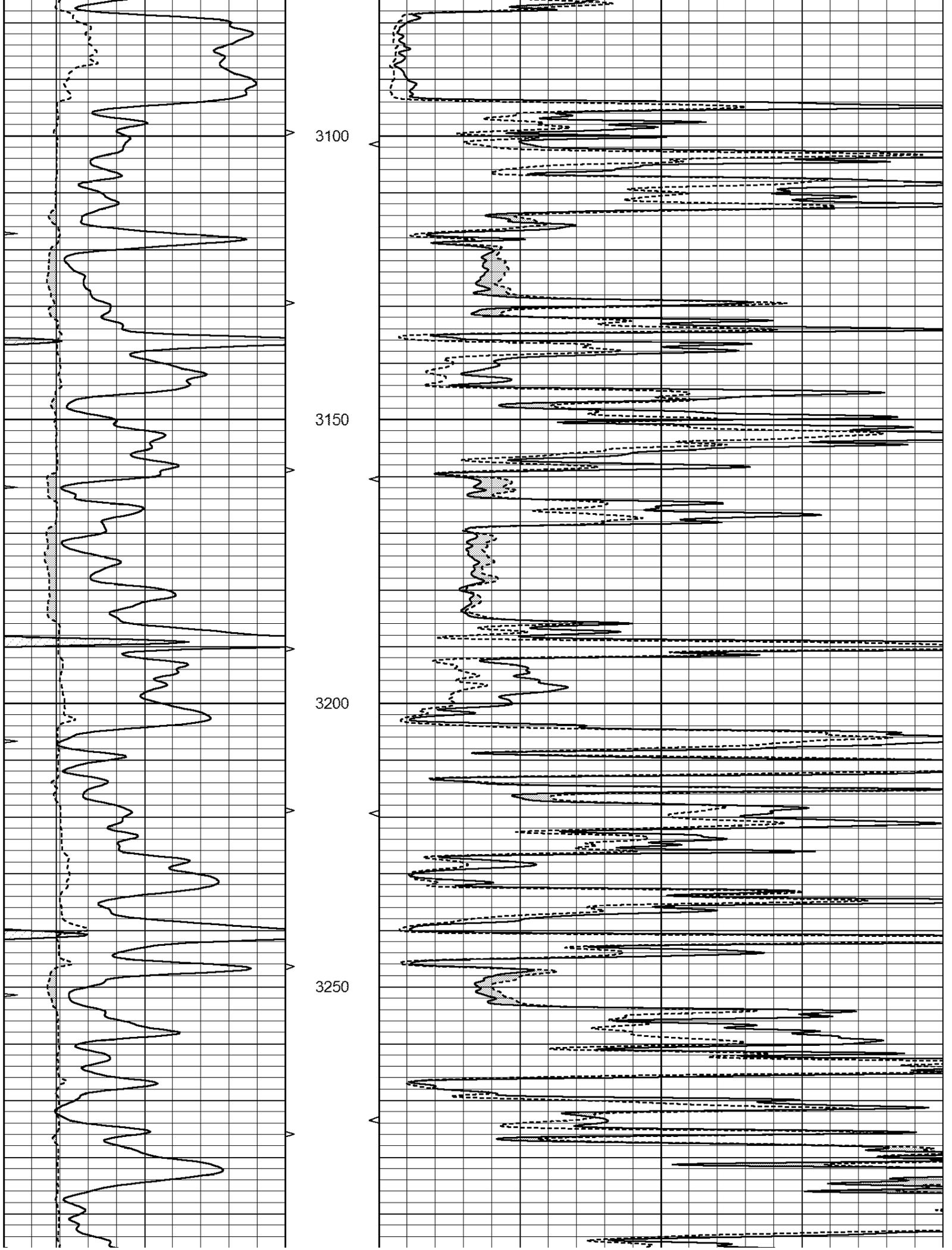


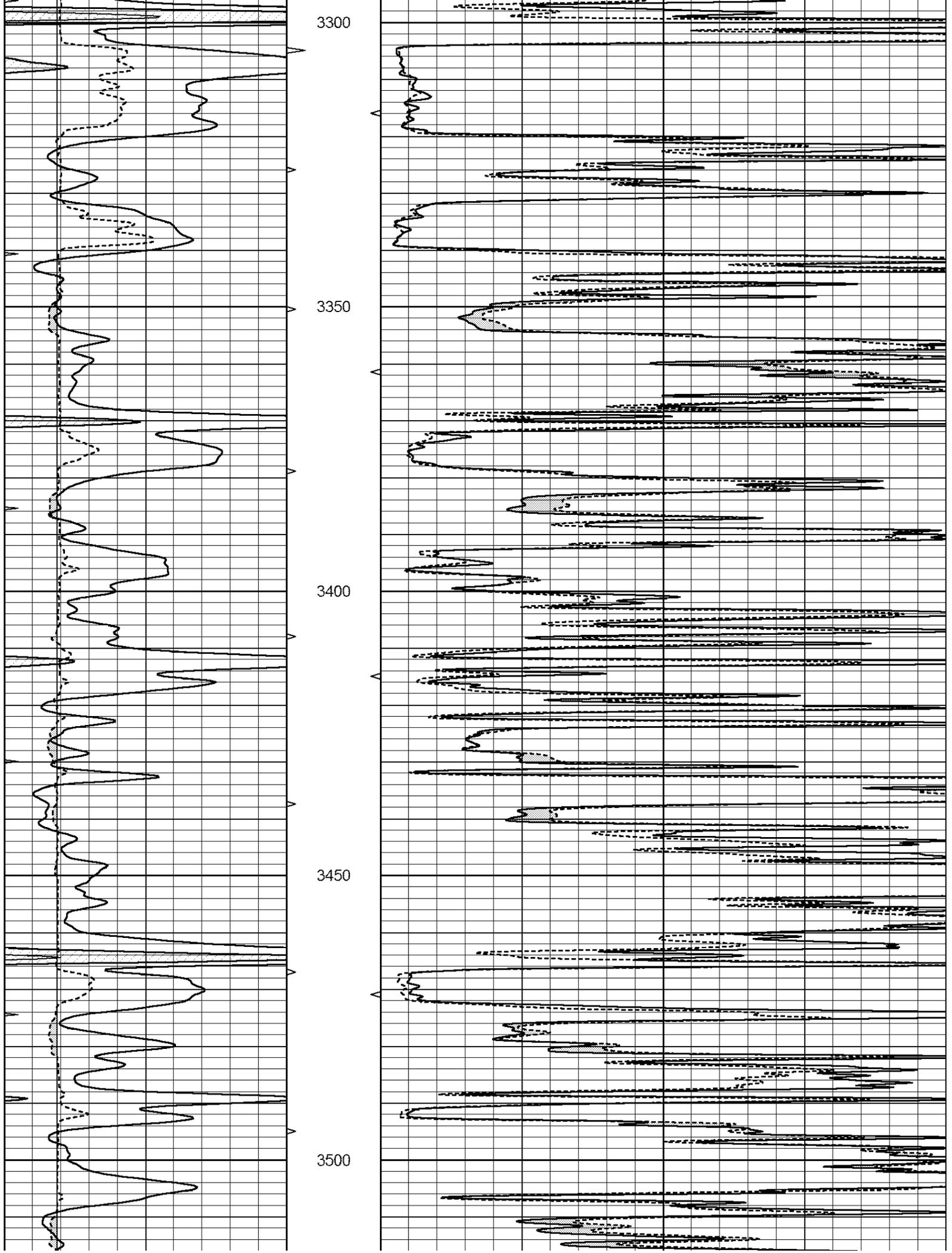
MAIN PASS

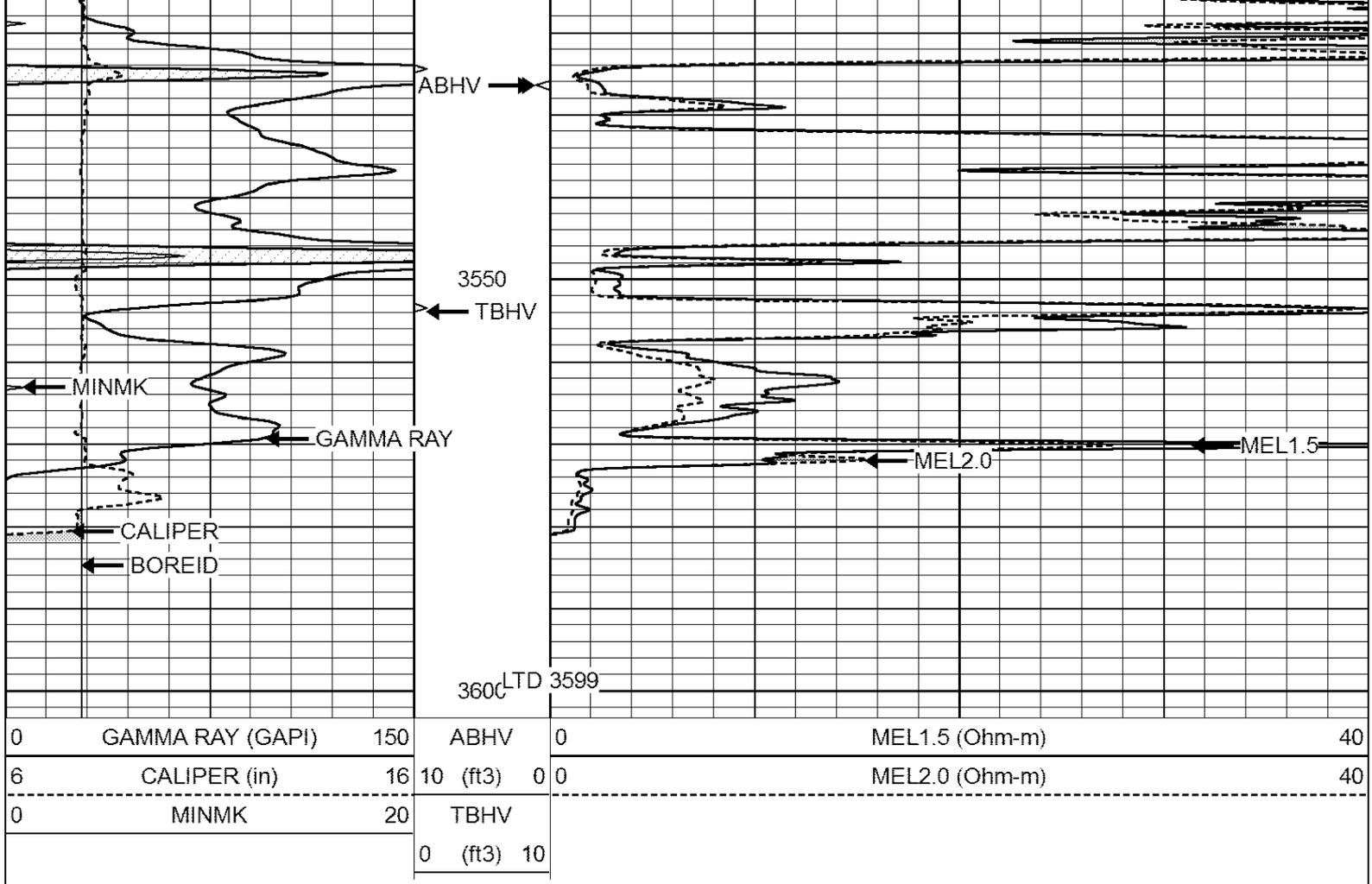
Database File: 2110ddn.db  
 Dataset Pathname: pass5.1  
 Presentation Format: \_micro  
 Dataset Creation: Sun Nov 19 08:05:50 2017 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





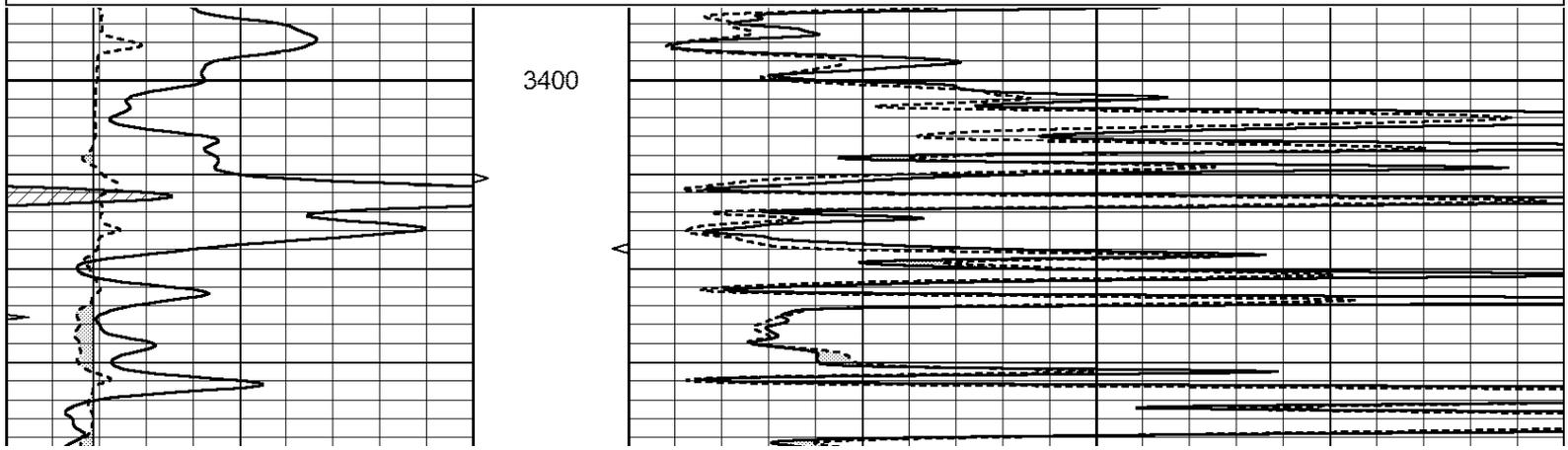


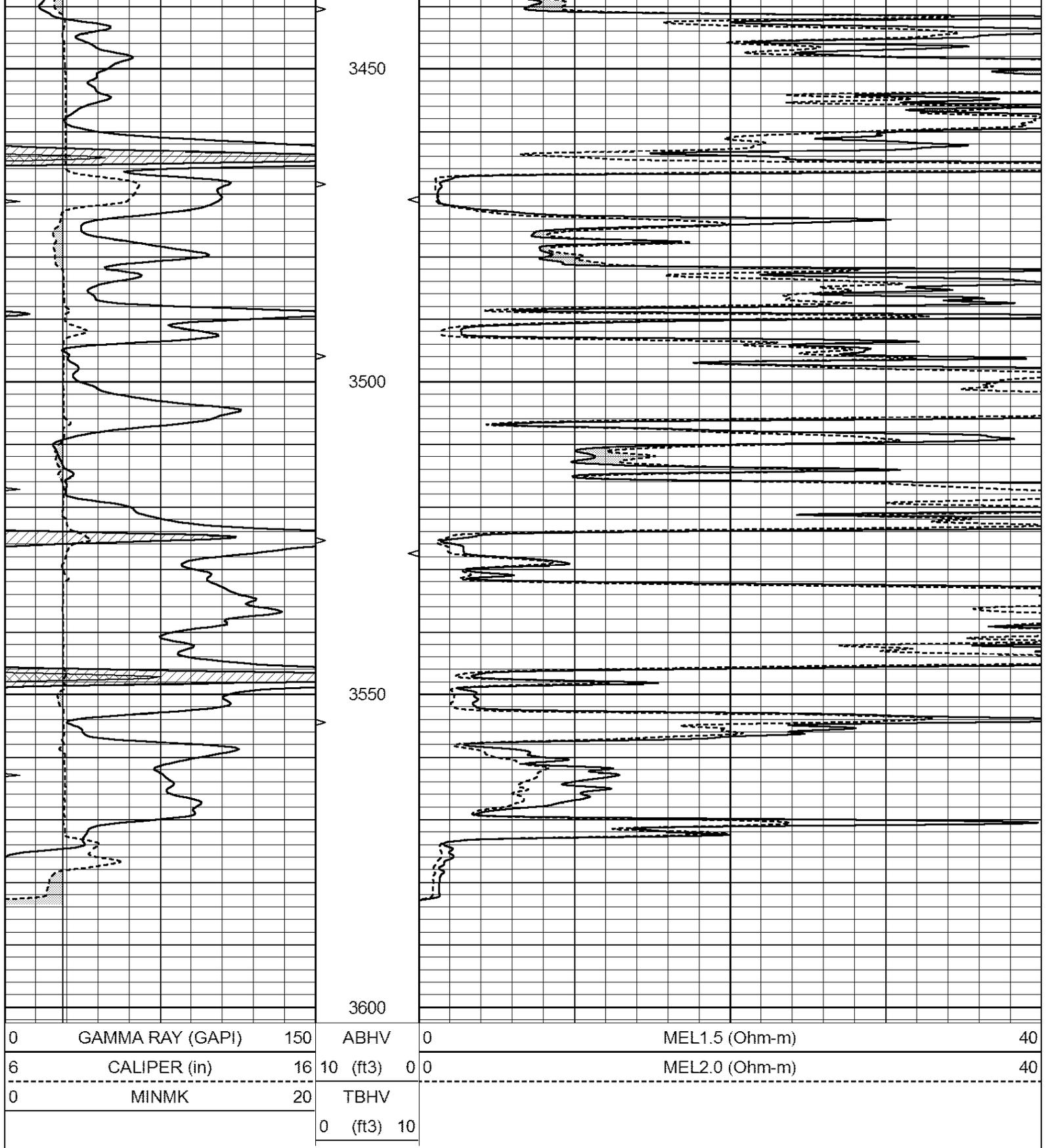


# REPEAT SECTION

Database File: 2110ddn.db  
 Dataset Pathname: pass4  
 Presentation Format: \_micro  
 Dataset Creation: Sun Nov 19 07:00:52 2017 by Log Open-Cased 090629  
 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
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 2110ddn.db  
 Dataset Pathname: pass4  
 Dataset Creation: Sun Nov 19 07:00:52 2017 by Log Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6  
 Tool Model: PROBE

Performed:

Wed Aug 16 17:13:39 2017

Caliper Calibration:

Gain=3.960

Offset=4.551

References

Low Cal

High Cal

Readings

7.000

14.000

0.555

2.323

1.5" Calibration:

Gain=43.075

Offset=-0.400

References

Low Cal

High Cal

Readings

0.000

20.000

0.004

1.196

2" Calibration:

Gain=45.000

Offset=-1.000

References

Low Cal

High Cal

Readings

0.000

20.000

0.006

0.913

### Gamma Ray Calibration Report

Serial Number:

GR2

Tool Model:

OPEN

Performed:

Wed Aug 16 17:13:40 2017

Calibrator Value:

1.0

GAPI

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.3800

GAPI/cps