



MICRO LOG

Company DOWNING-NELSON OIL CO., INC.		Company DOWNING-NELSON OIL CO., INC.	
Well RED #1-36		Well RED #1-36	
Field GROFF		Field GROFF	
County TREGO		County TREGO	
State KANSAS		State KANSAS	
Location: API # : 15-195-23040-00-00		Other Services DIL/CDL/CNL	
SEC 36 TWP 14S RGE 21W		Elevation	
Permanent Datum GROUND LEVEL Elevation 2049'		K.B. 2057	
Log Measured From KELLY BUSHING 8' A.G.L.		D.F. 2055	
Drilling Measured From KELLY BUSHING		G.L. 2049	
Date 04/08/18	Run Number TWO		
Depth Driller	3865		
Depth Logger	3866		
Bottom Logged Interval	3864		
Top Log Interval	3000		
Casing Driller	8 5/8@ 1232		
Casing Logger	1232		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.2/49		
pH / Fluid Loss	9.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1@56		
Rmt @ Meas. Temp	.83@56		
Rmc @ Meas. Temp	.62@56		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.53@115		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	115F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MARC DOWNING		

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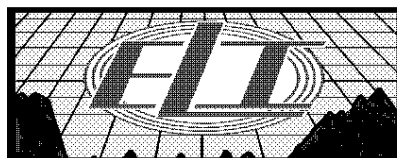
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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, HAYS, KS. (785) 628-6395

DIRECTIONS

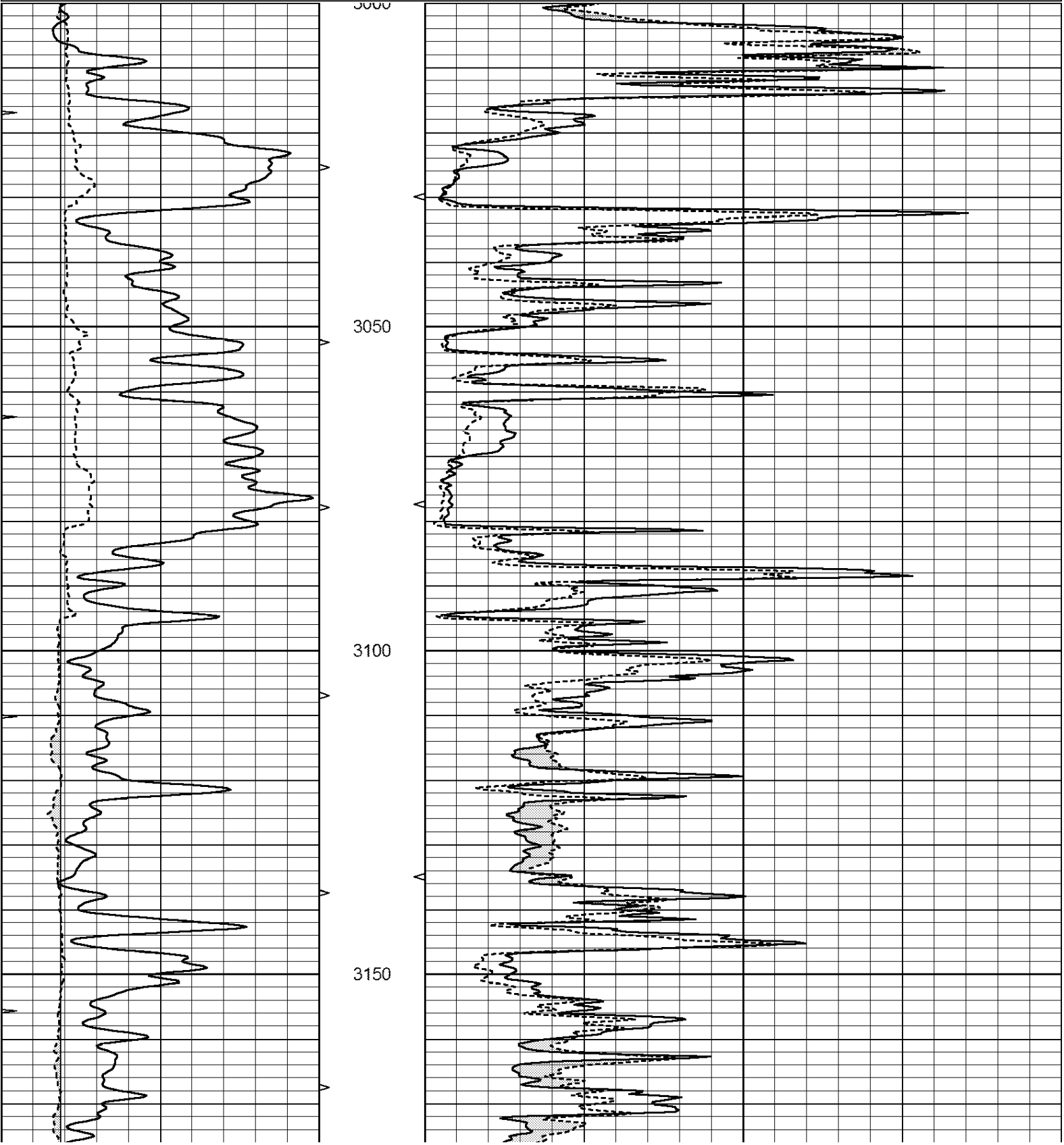
SOUTH OF ELLIS TO BUTTERFIELD TRAIL, WEST 3 MILES,
SOUTH TO T GO THROUGH CATTLE GUARD FOLLOW TRAIL.

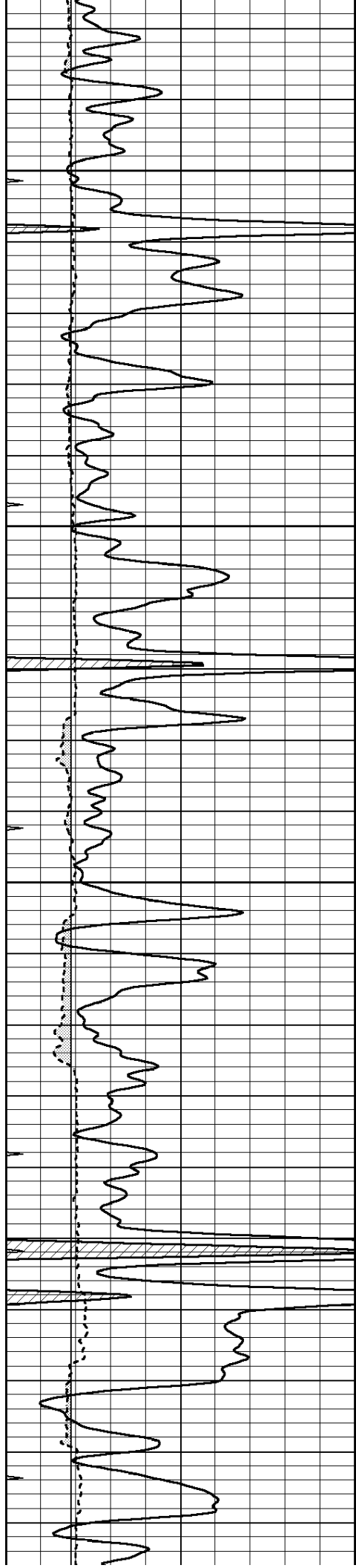


MAIN PASS

Database File: 2418ddn.db
Dataset Pathname: pass50
Presentation Format: _micro
Dataset Creation: Sun Apr 08 07:26:26 2018 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 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



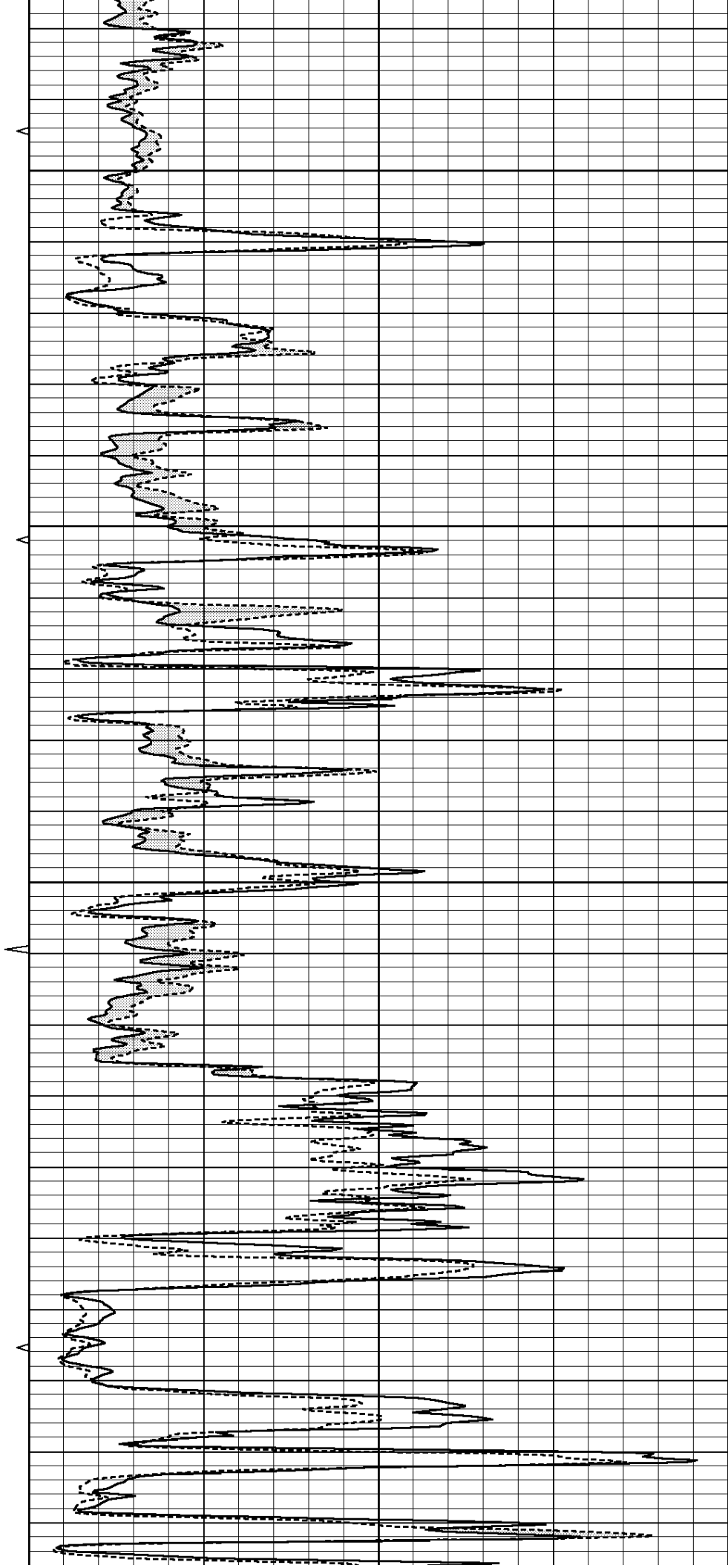


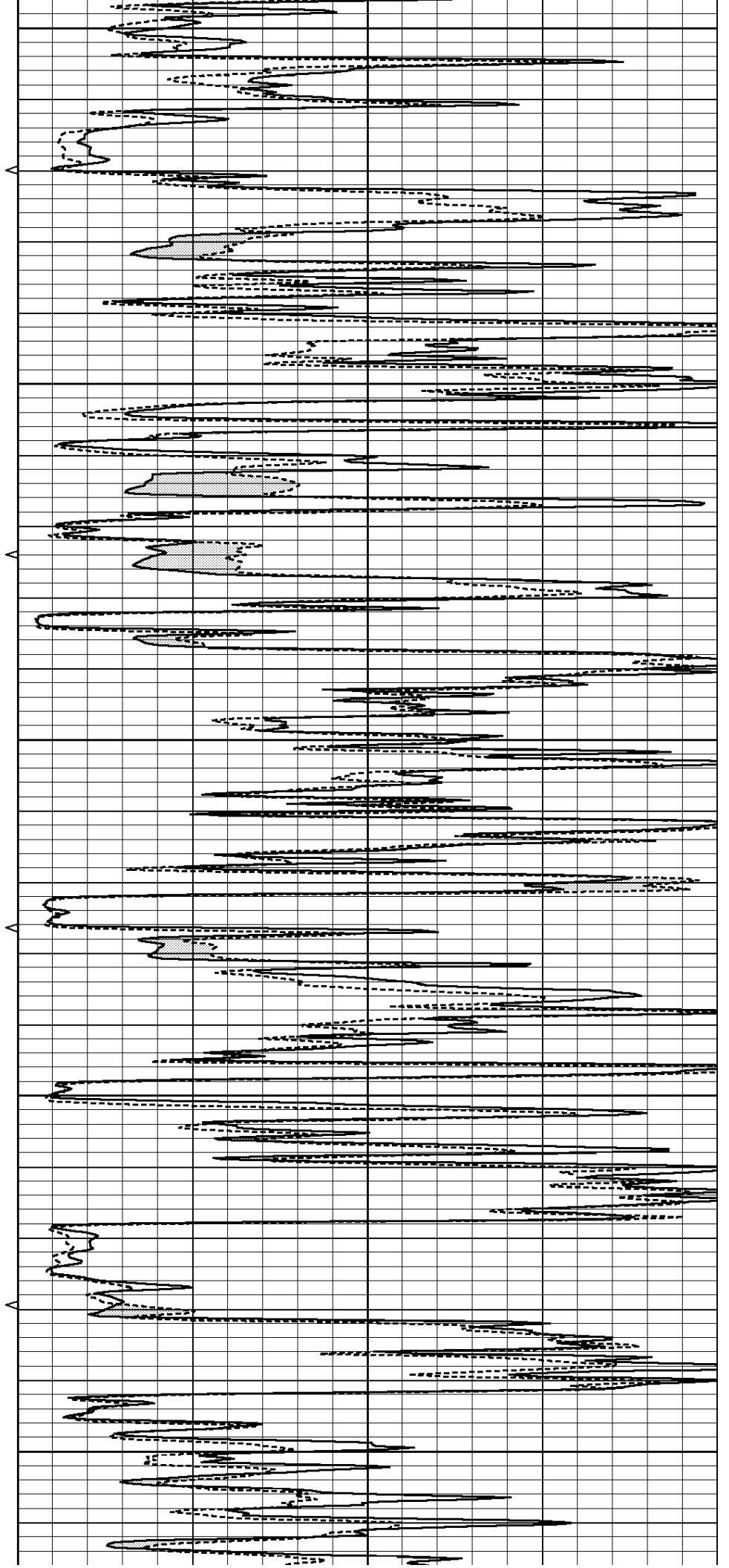
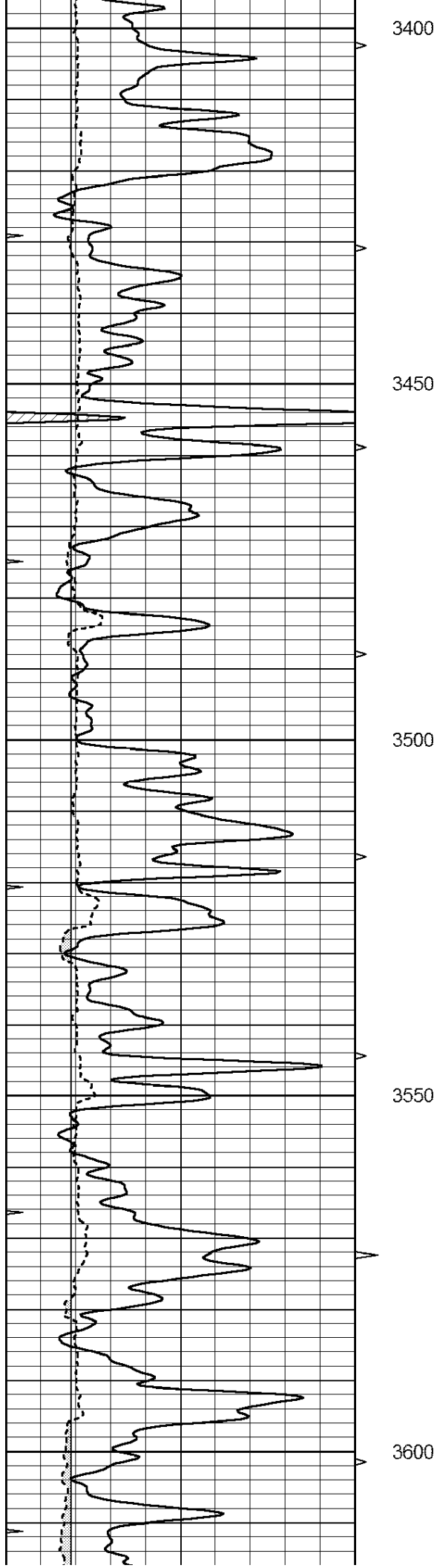
3200

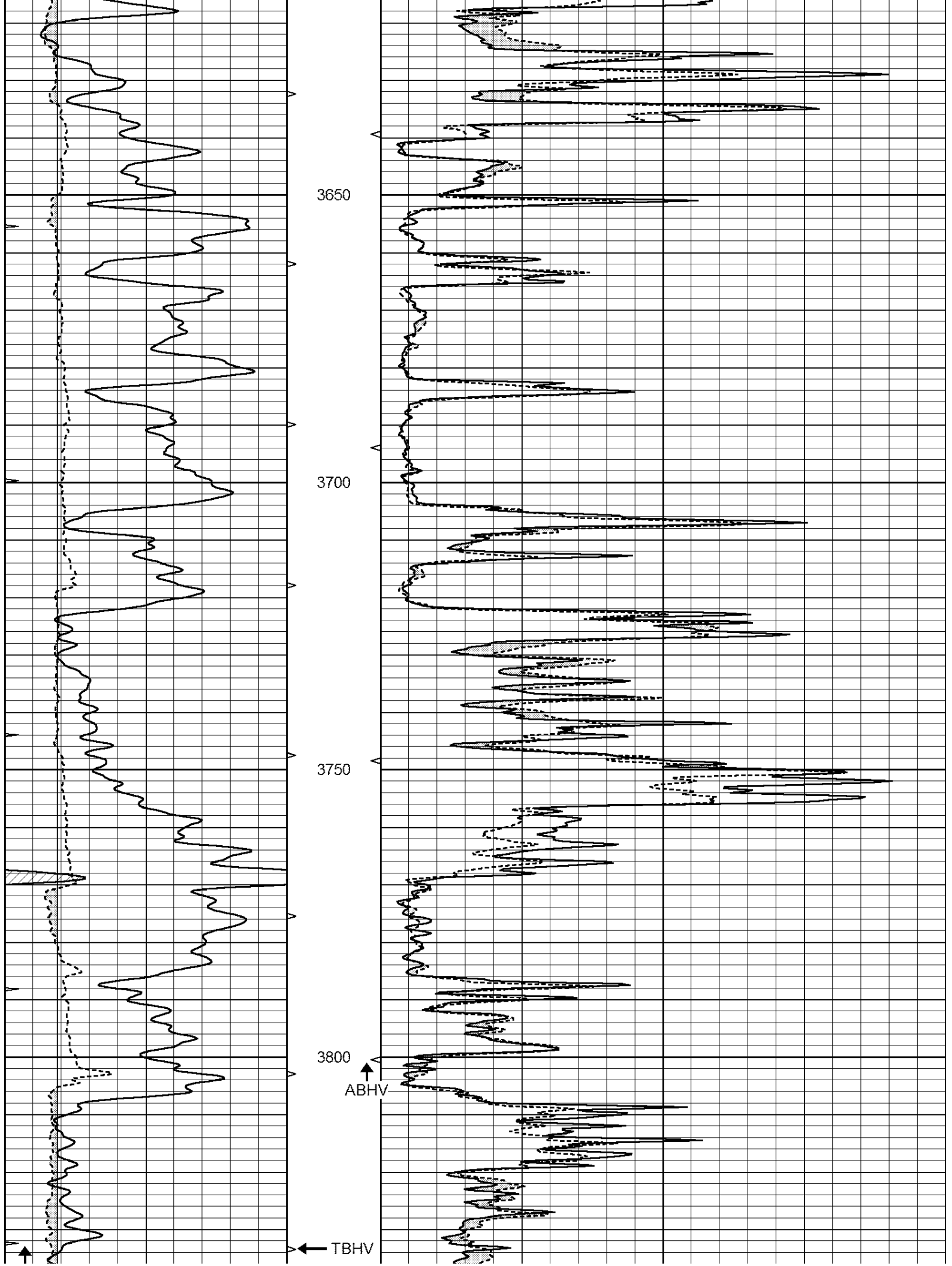
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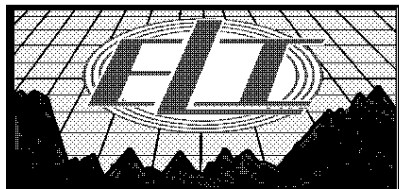
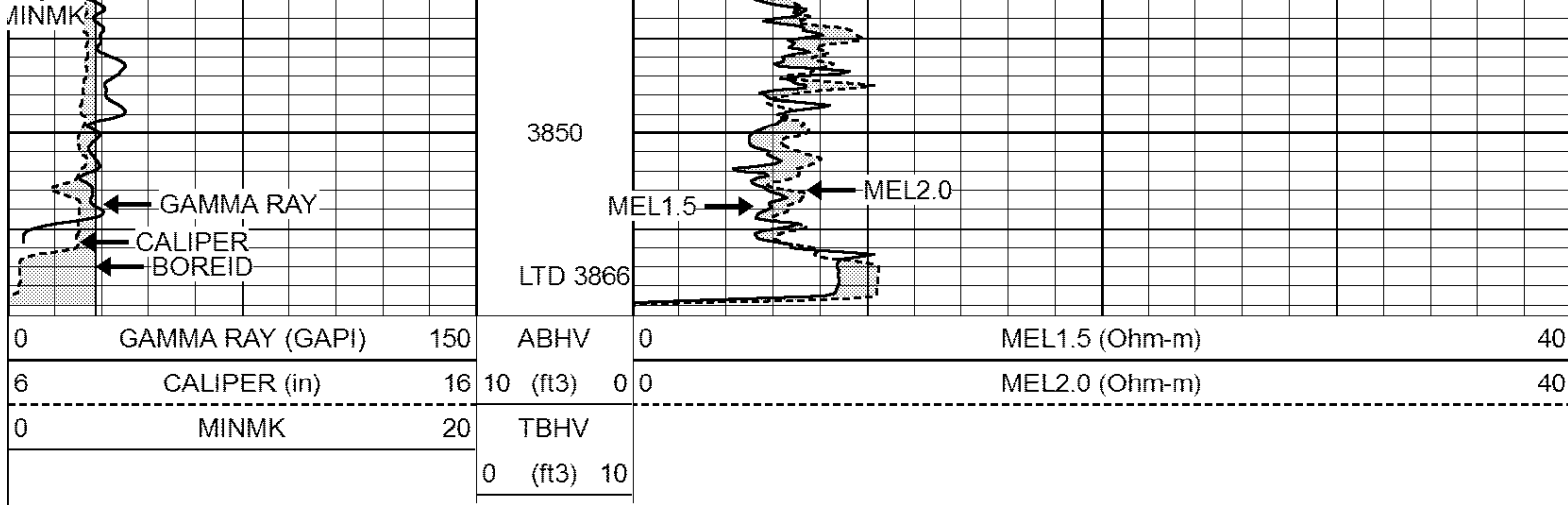
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3350



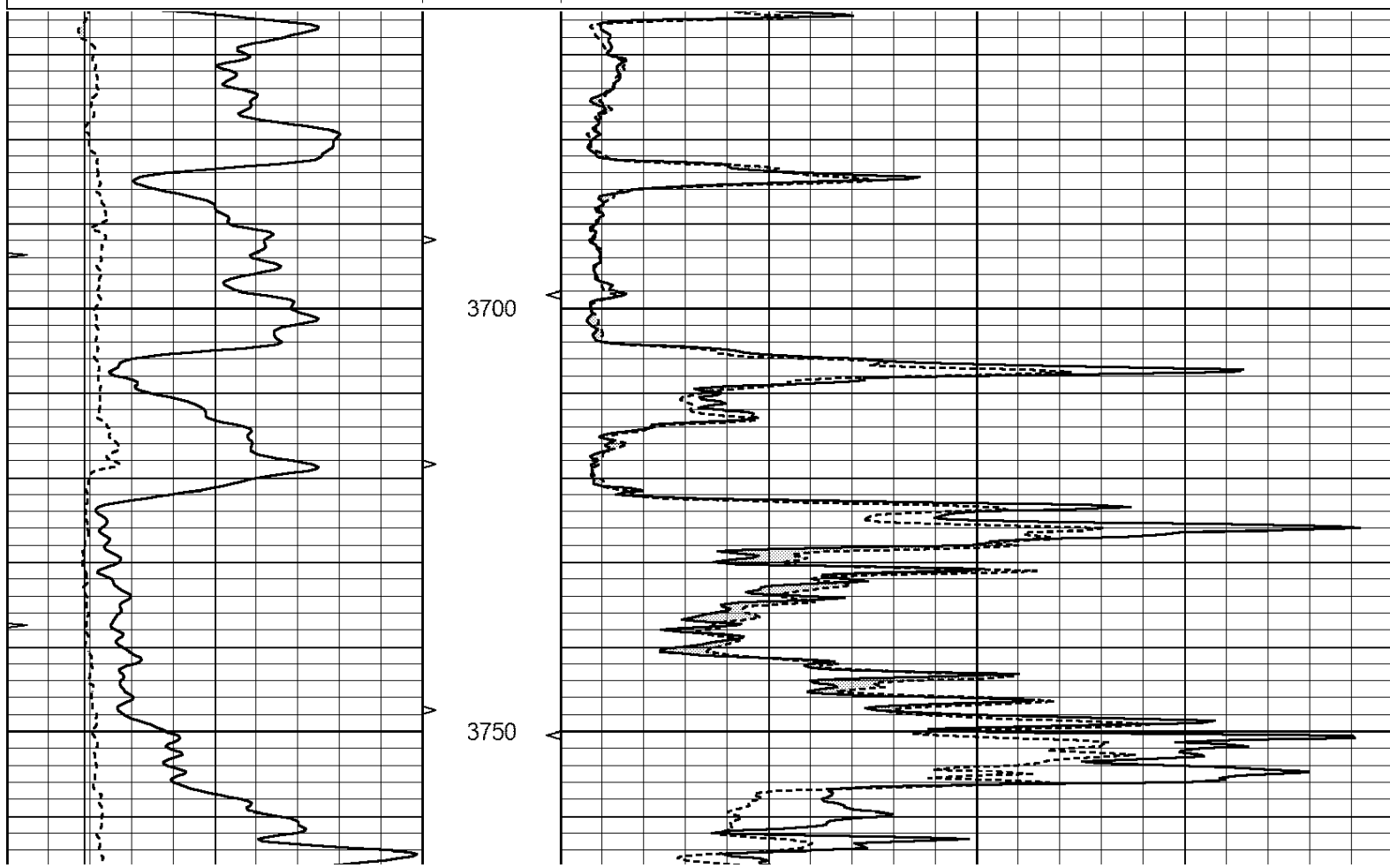
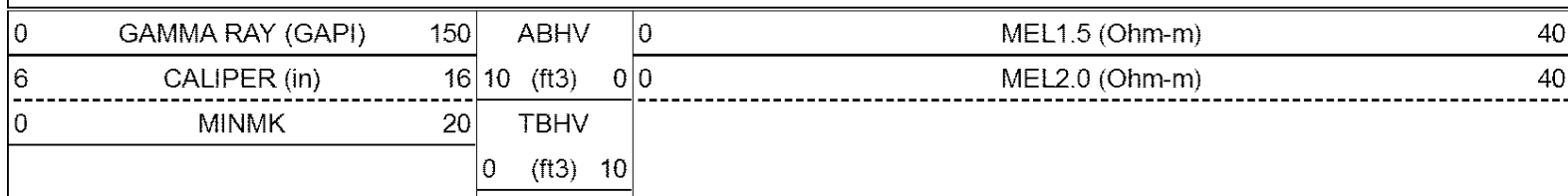


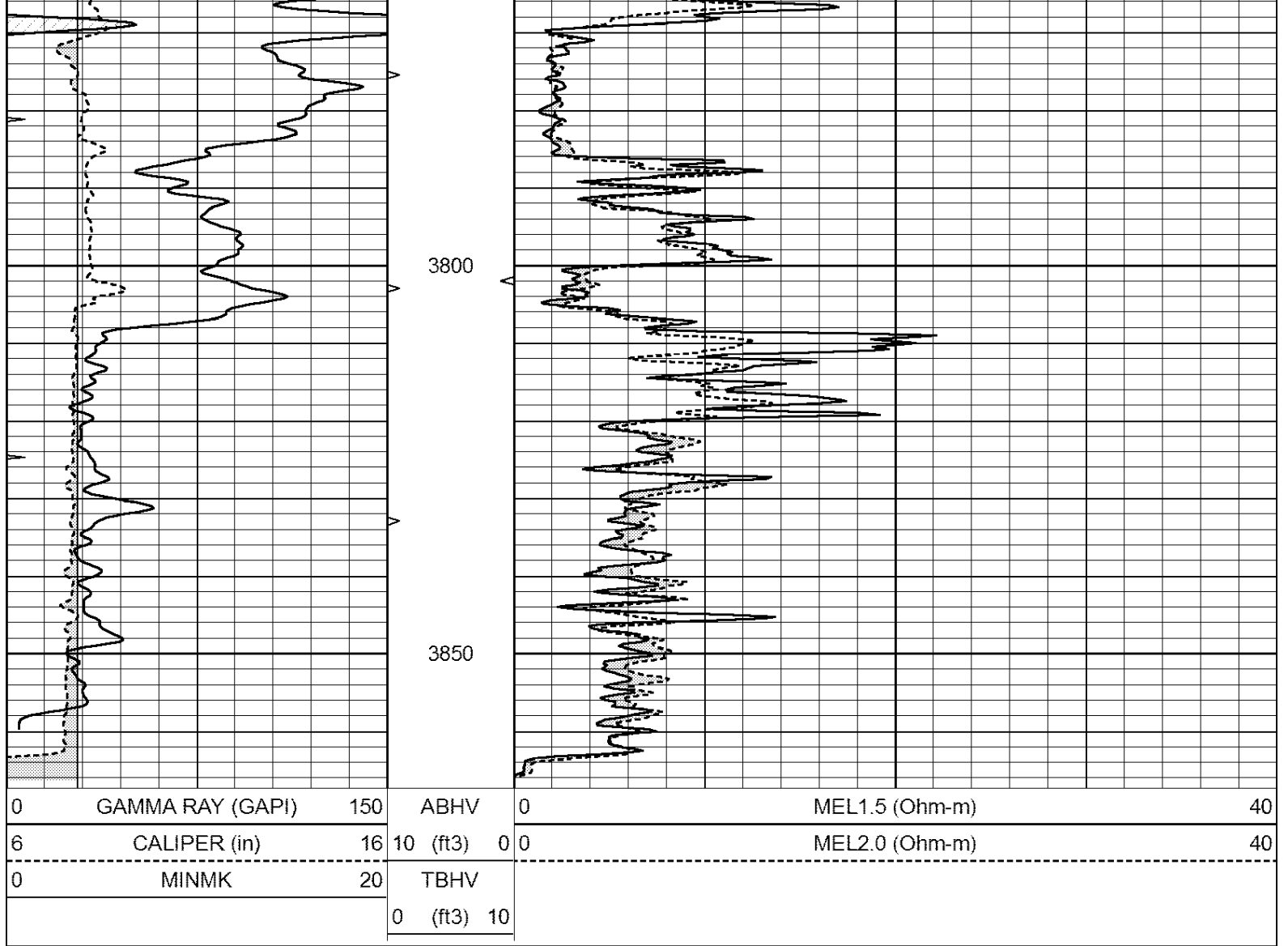




REPEAT SECTION

Database File: 2418ddn.db
 Dataset Pathname: pass4.1
 Presentation Format: _micro
 Dataset Creation: Sun Apr 08 07:22:23 2018 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 2418ddn.db
 Dataset Pathname: pass4.1
 Dataset Creation: Sun Apr 08 07:22:23 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Wed Feb 07 06:59:26 2018

Caliper Calibration: Gain=26.521 Offset=0.403
 References Low Cal High Cal
 7.000 14.000
 Readings 0.217 0.478

1.5" Calibration: Gain=30.075 Offset=-0.400
 References Low Cal High Cal
 0.000 20.000
 Readings 0.004 1.196

2" Calibration: Gain=45.000 Offset=-1.000
 References Low Cal High Cal
 0.000 20.000
 Readings 0.006 0.913

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Wed Mar 14 06:10:12 2018	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps