



MICRO LOG

Company		PHILLIPS EXPLORATION COMPANY	
Well		ROHLEDER #1-9 SHR	
Field		COLLYER TOWNSITE	
County		TREGO	
State		KANSAS	
Location:		API # : 15-195-23031-00-00	
Permanent Datum		330' FNL & 330' FWL	
Log Measured From		SEC 9 TWP 12S RGE 25W	
Drilling Measured From		GROUND LEVEL Elevation 2582'	
		KELLY BUSHING 5' A.G.L.	
		KELLY BUSHING	
		Elevation	
		K.B. 2587'	
		D.F. 2585	
		G.L. 2582	
Date	11/05/17		
Run Number	TWO		
Depth Driller	4250		
Depth Logger	4248		
Bottom Logged Interval	4246		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 218		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/5.1		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0@55		
Rmt @ Meas. Temp	.75@55		
Rmc @ Meas. Temp	1.2@55		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.46@118		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	118F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	PAT DEENIHAN		

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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

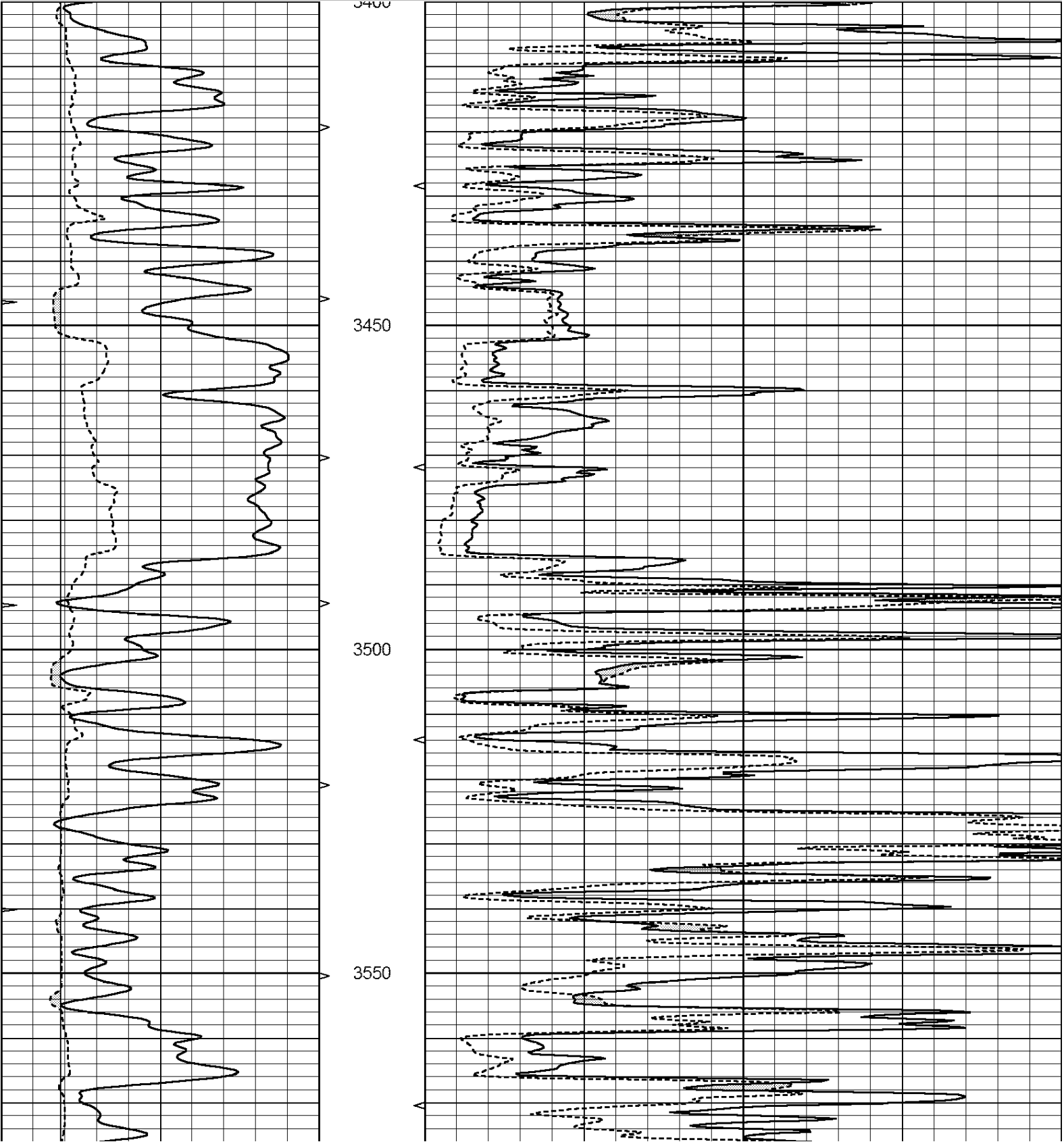
DIRECTIONS
COLLYER EXIT OFF I70 NORTH 3/4 MILE,
EAST INTO.

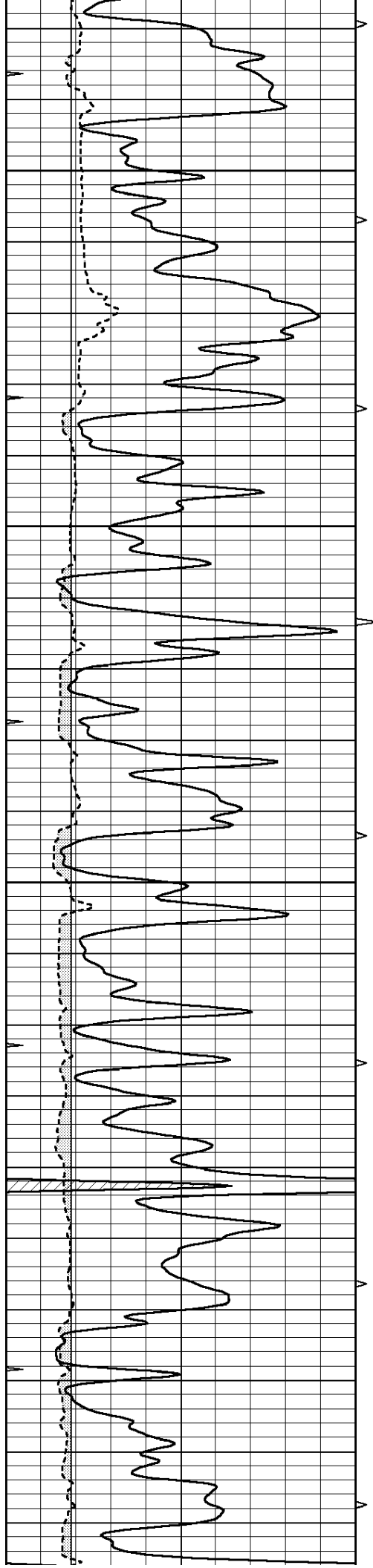


MAIN PASS

Database File: 2107ddn.db
Dataset Pathname: pass5M
Presentation Format: _micro
Dataset Creation: Sun Nov 05 11:07:54 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	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3) 10			



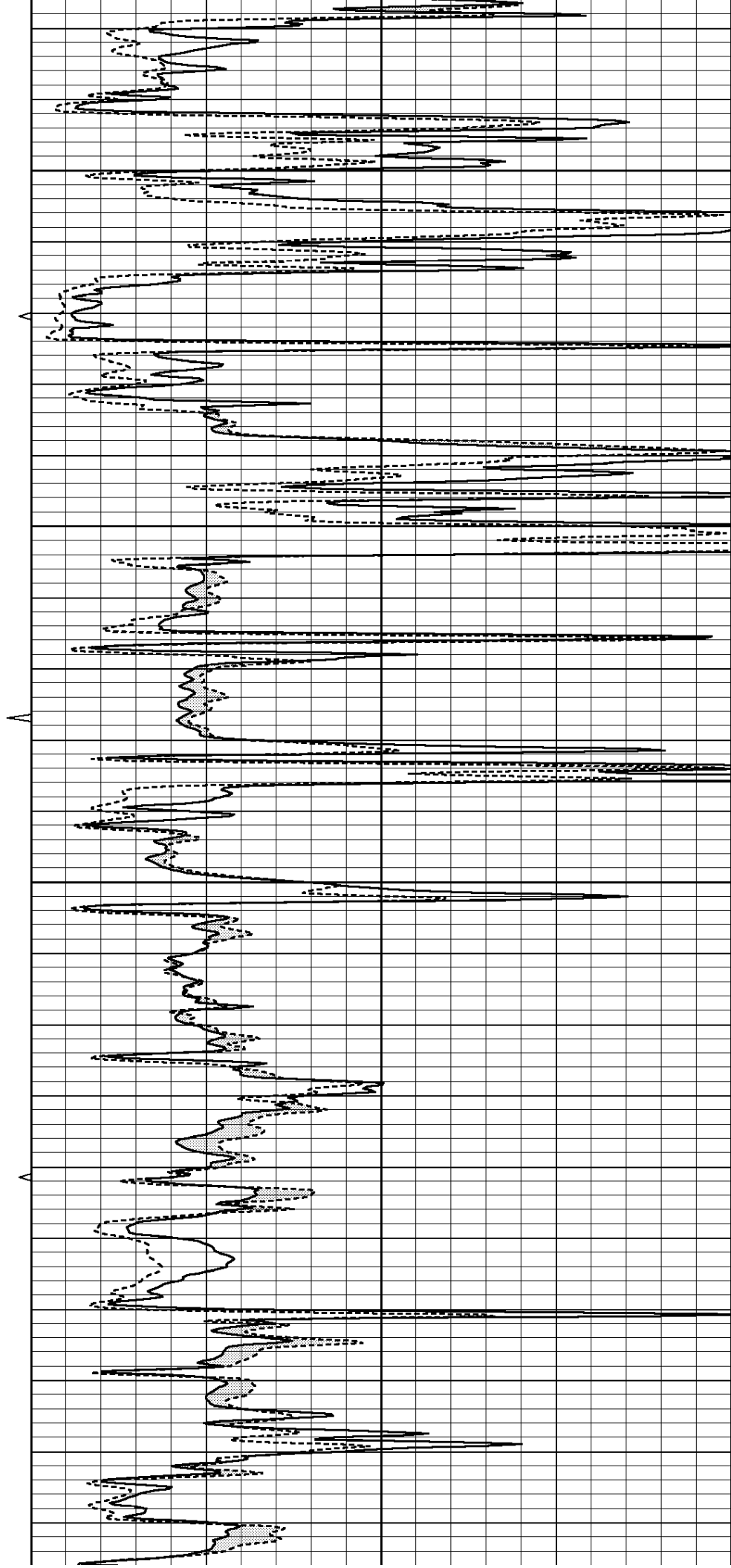


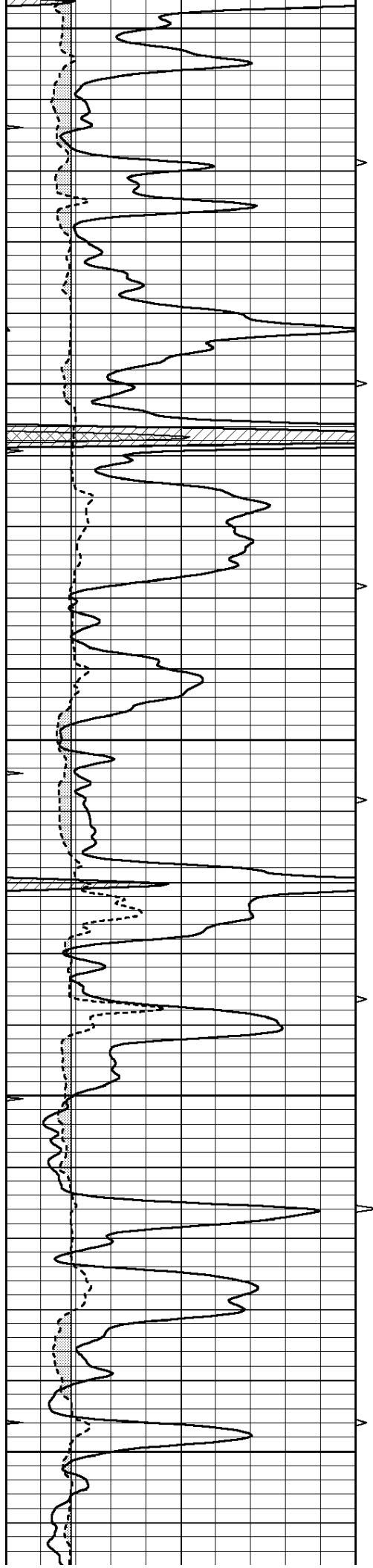
3600

3650

3700

3750





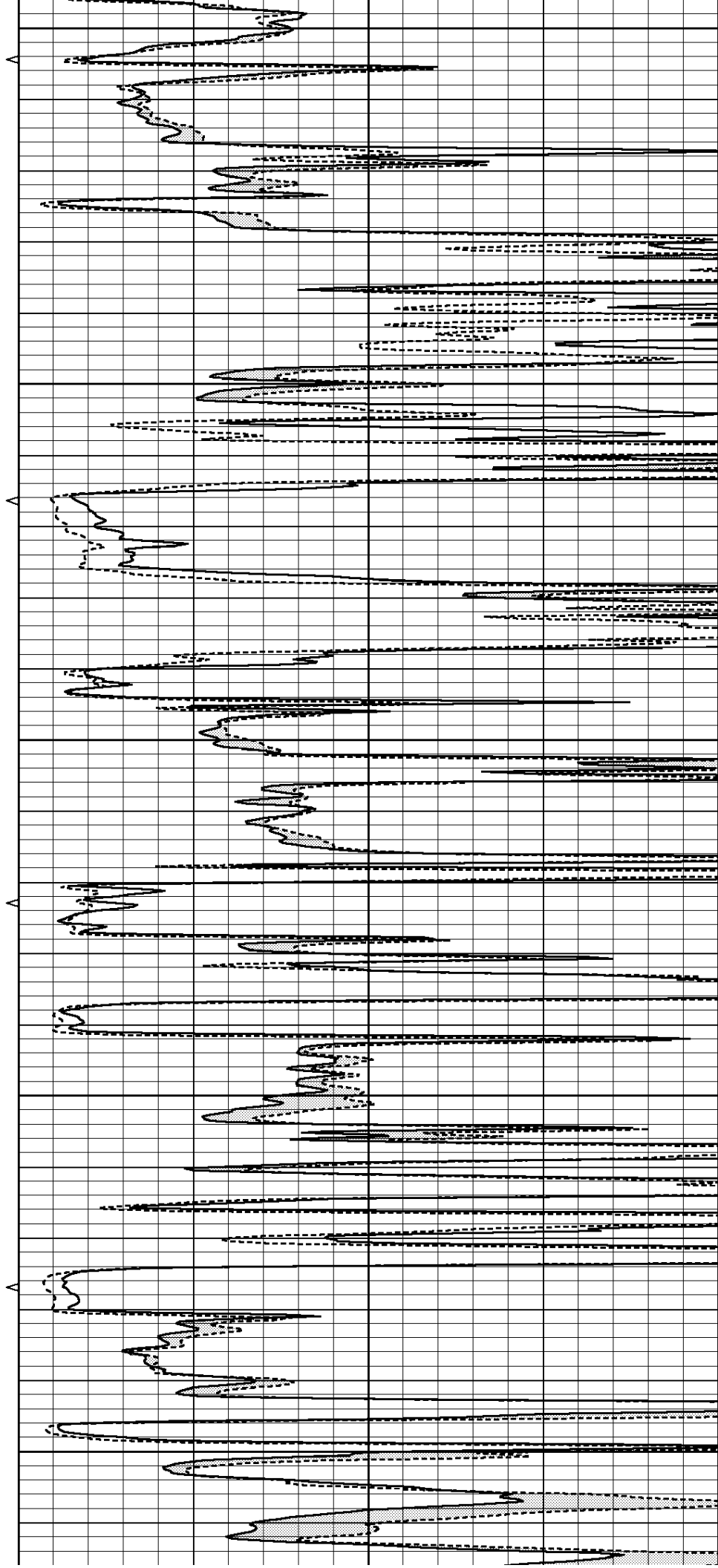
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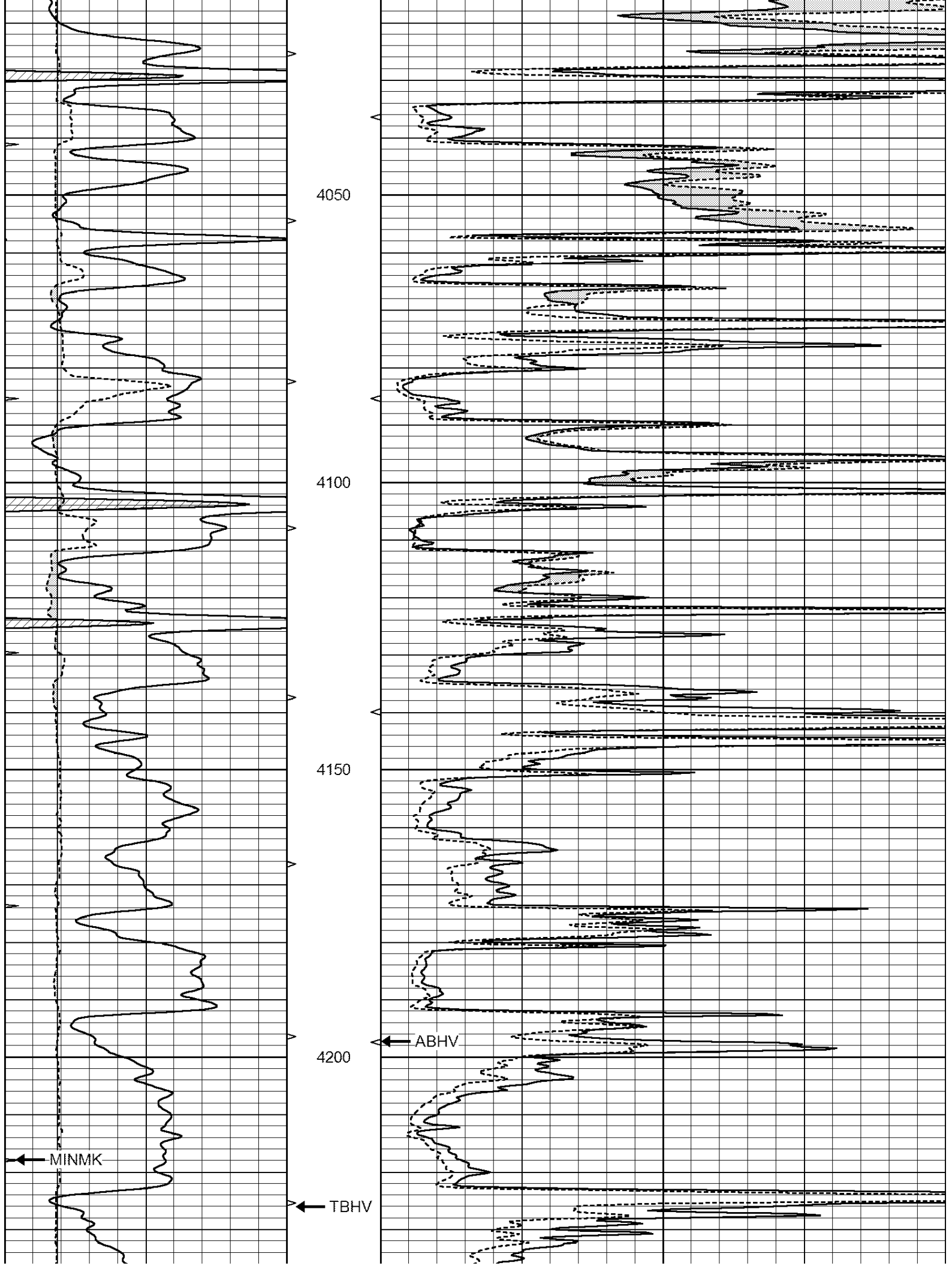
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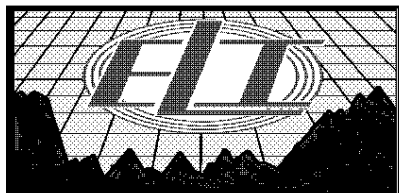
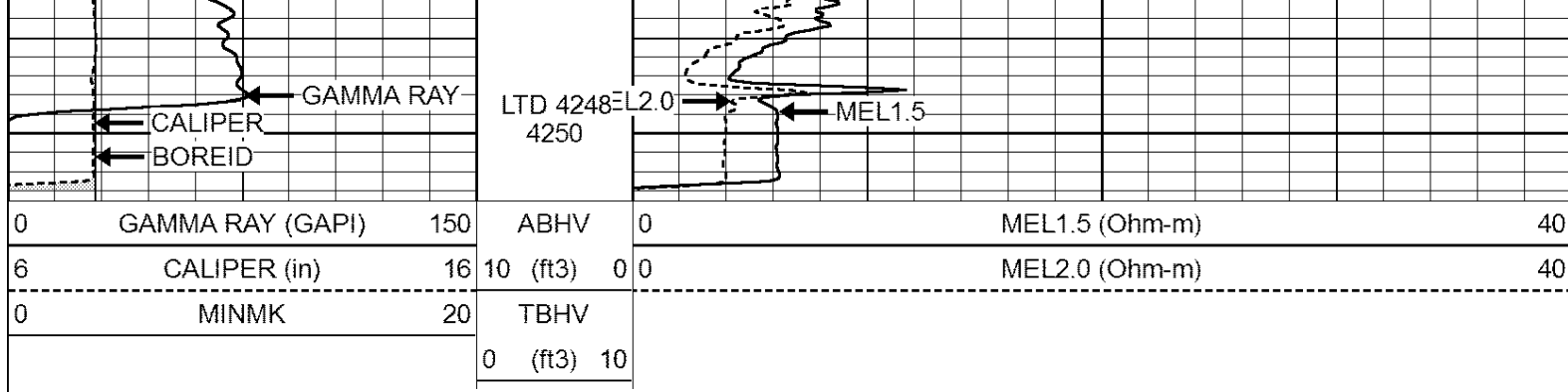
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3950

4000



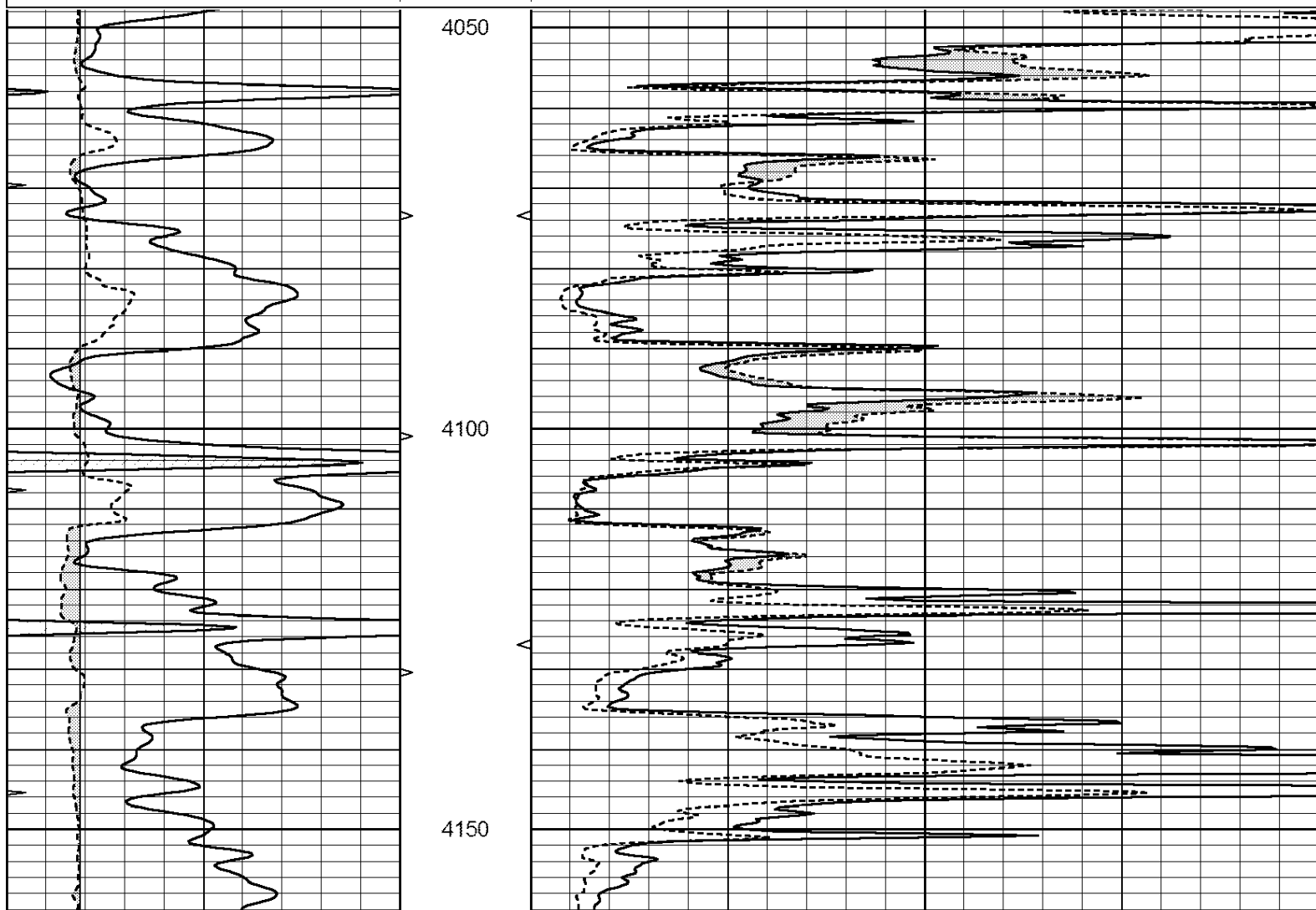


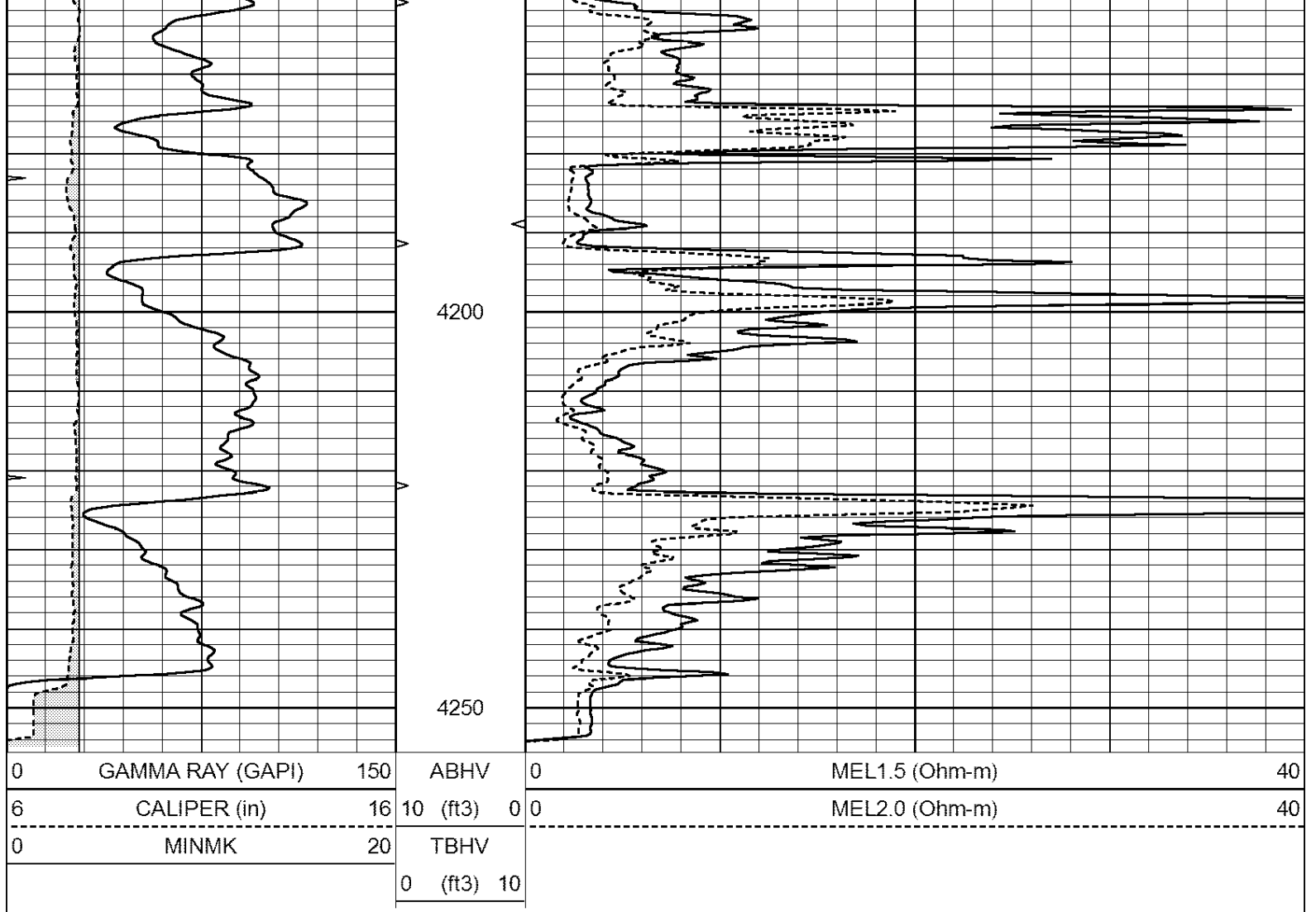


REPEAT SECTION

Database File: 2107ddn.db
 Dataset Pathname: pass4
 Presentation Format: _micro
 Dataset Creation: Sun Nov 05 10:37:50 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: 2107ddn.db
 Dataset Pathname: pass4
 Dataset Creation: Sun Nov 05 10:37:50 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
 Low Cal High Cal
 References 7.000 14.000
 Readings 0.555 2.323

1.5" Calibration: Gain=43.075 Offset=-0.400
 Low Cal High Cal
 References 0.000 20.000
 Readings 0.004 1.196

2" Calibration: Gain=45.000 Offset=-1.000
 Low Cal High Cal
 References 0.000 20.000
 Readings 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
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Background Reading:	0.0	cps
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Calibrator Reading:	1.0	cps
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Sensitivity:	0.3800	GAPI/cps
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