



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	CAERUS KANSAS, LLC.		
Well	MORTIMER #31-32		
Field	SETTE		
County	BARTON	State	KANSAS
Location:	2310' FNL & 1490' FEL E-2/SE/SW/NE		API # : 15-009-25680-0000
Permanent Datum	SEC 31 TWP 17S RGE 13W	GROUND LEVEL	Elevation 1851
Log Measured From	KELLY BUSHING	13' A.G.L.	
Drilling Measured From	KELLY BUSHING		
Date	4/25/12		
Run Number	TWO		
Depth Driller	3420		
Depth Logger	3421		
Bottom Logged Interval	3403		
Top Log Interval	2550		
Casing Driller	8 5/8" @ 846'		
Casing Logger	843		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000 PPM	
Density / Viscosity	9.0/56		
pH / Fluid Loss	9.0/8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.52 @ 82F		
Rmf @ Meas. Temp	.39 @ 82F		
Rmc @ Meas. Temp	.62 @ 82F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.38 @ 110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	110F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
RUSSELL, KS. - S. TO INTERSECTION OF HWY 281 & HWY 4
3 E. TO CURVE - 1/2 S. ON CURVE - W. INTO

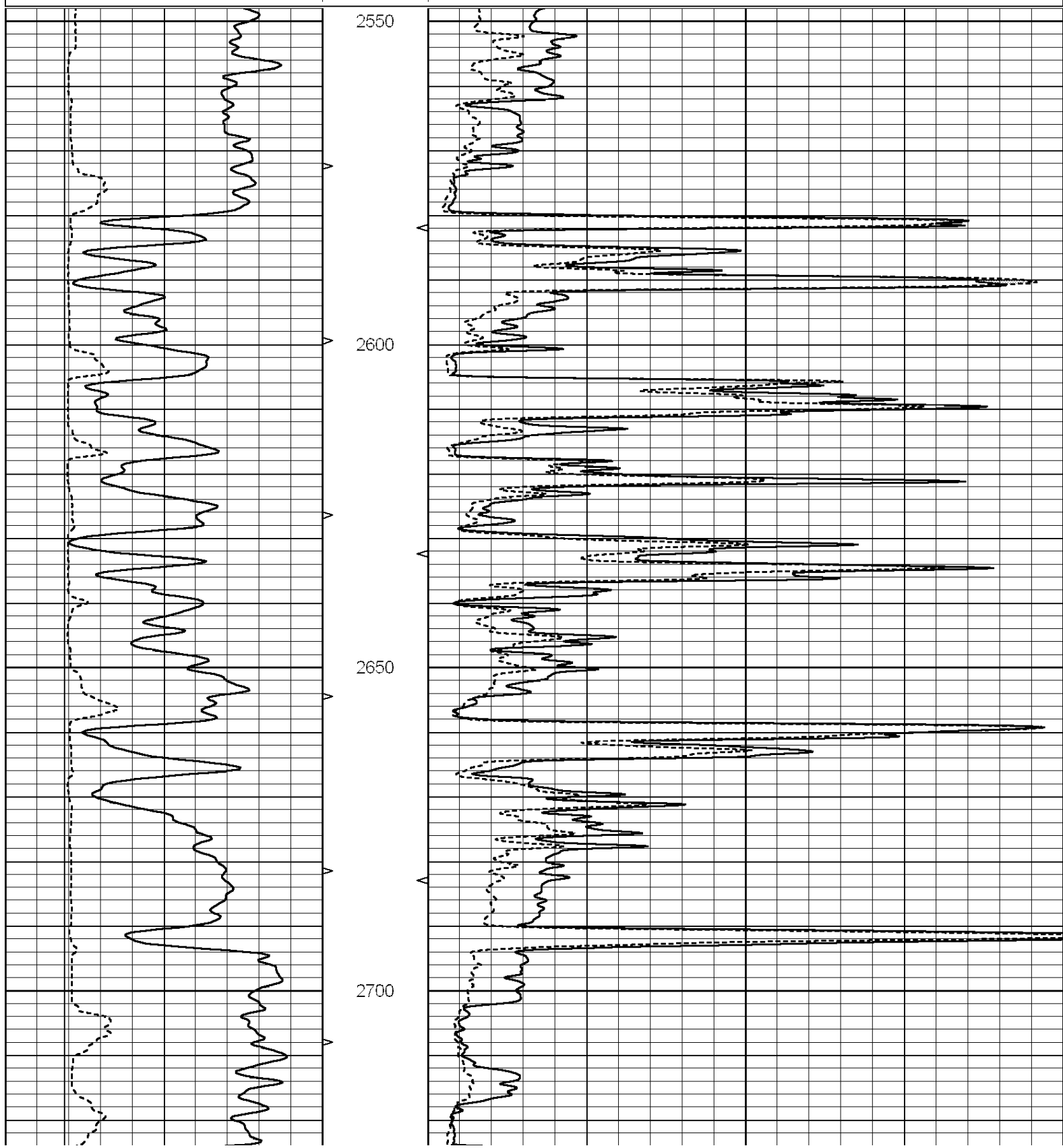


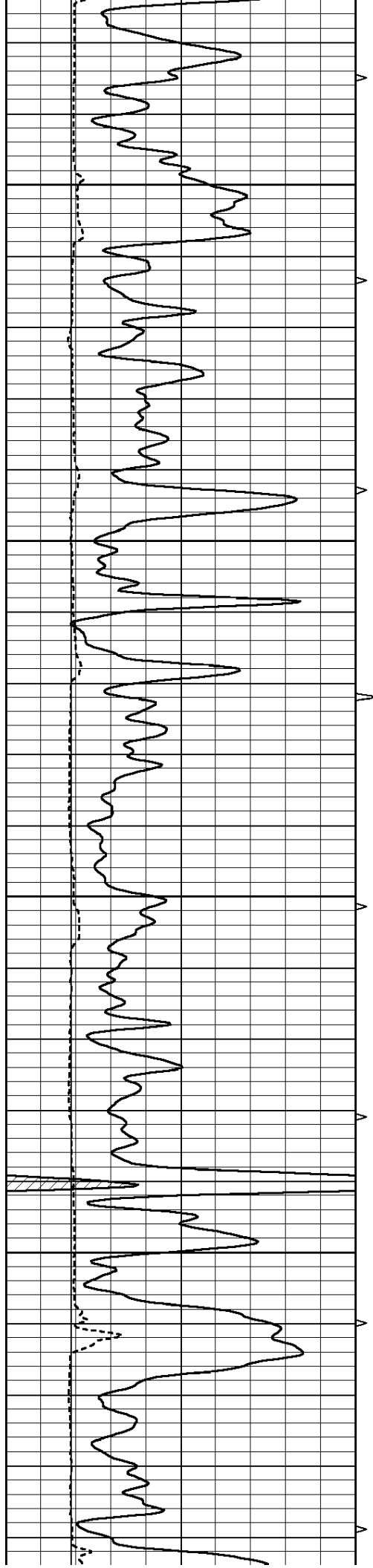
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MAIN SECTION

Database File: 008849ddn.db
Dataset Pathname: pass7.1
Presentation Format: _micro
Dataset Creation: Wed Apr 25 23:20:02 2012 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
			TBHV			
			0 (ft3)	10		



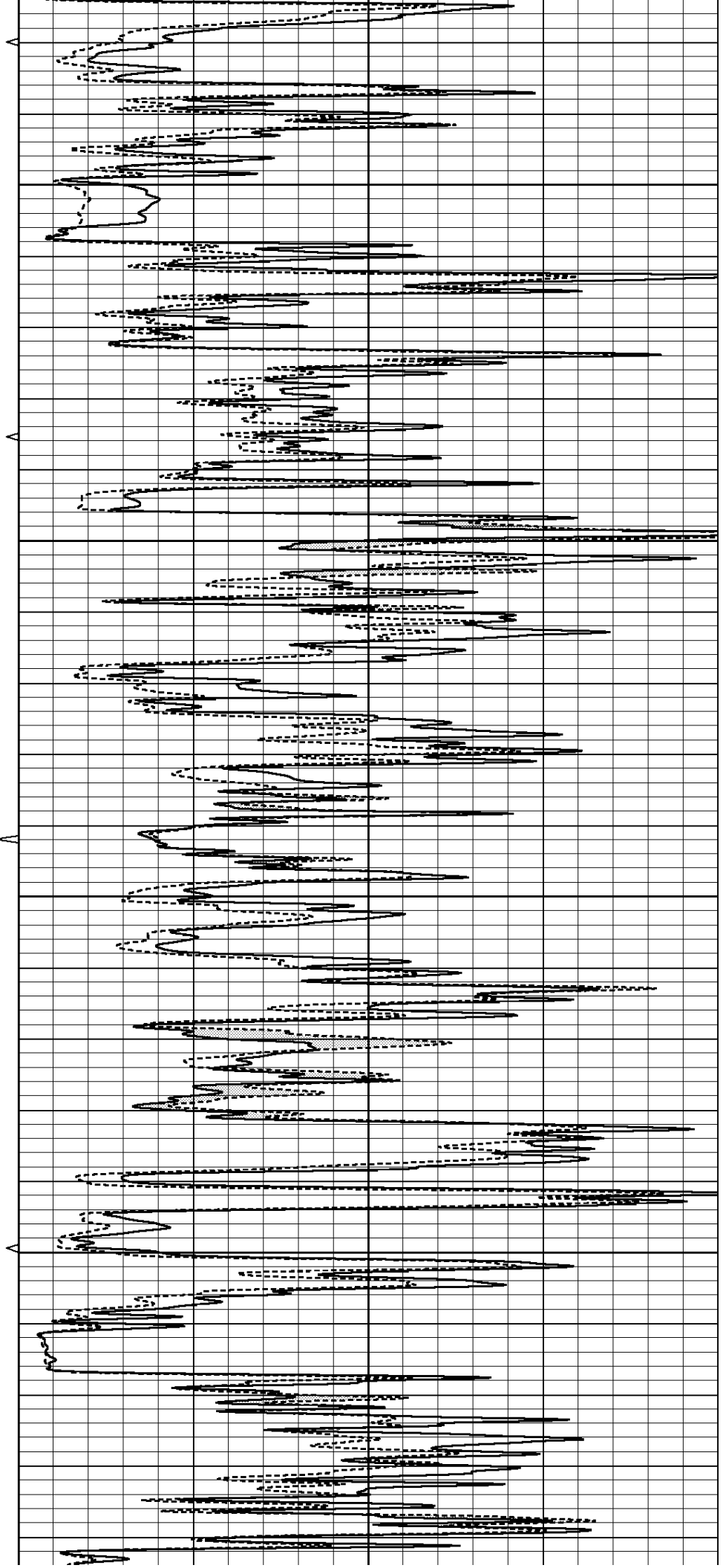


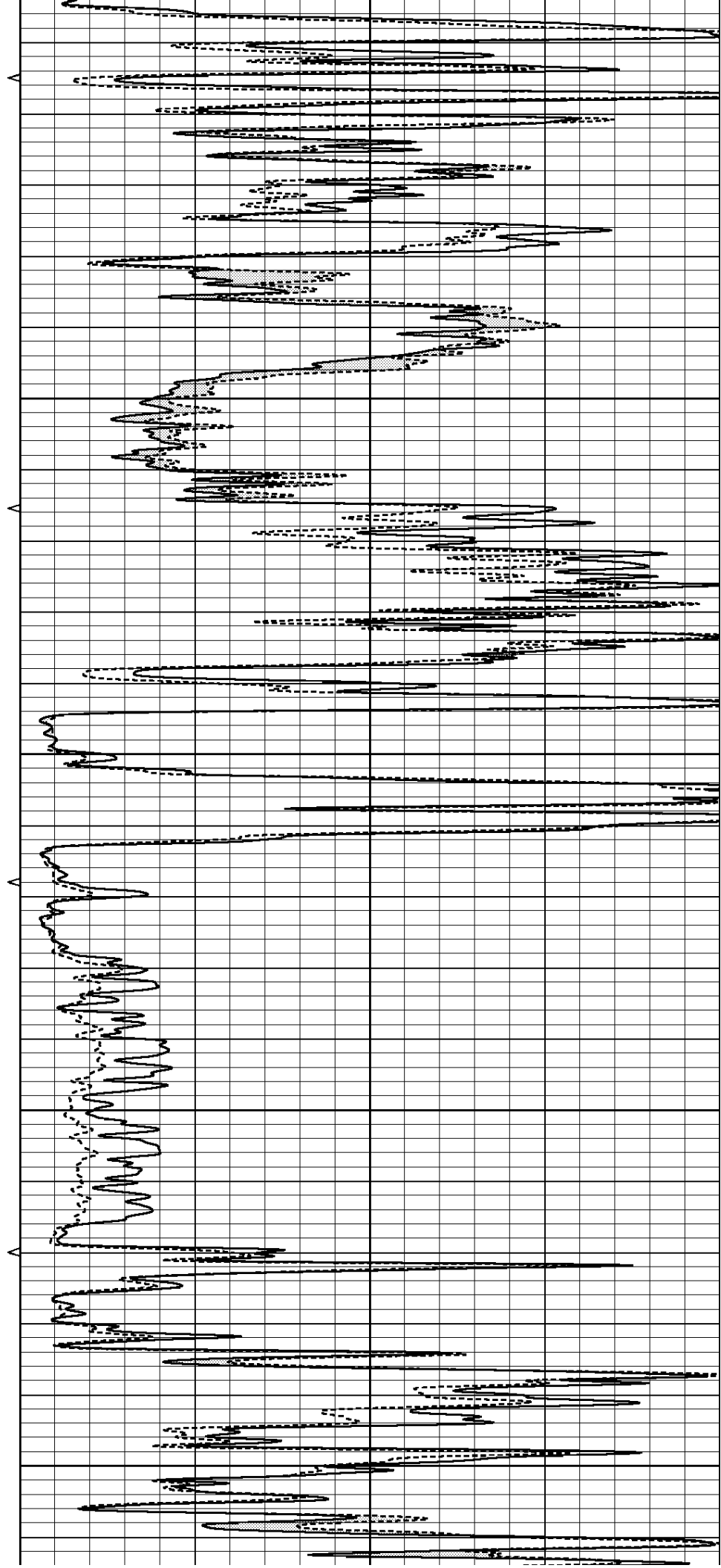
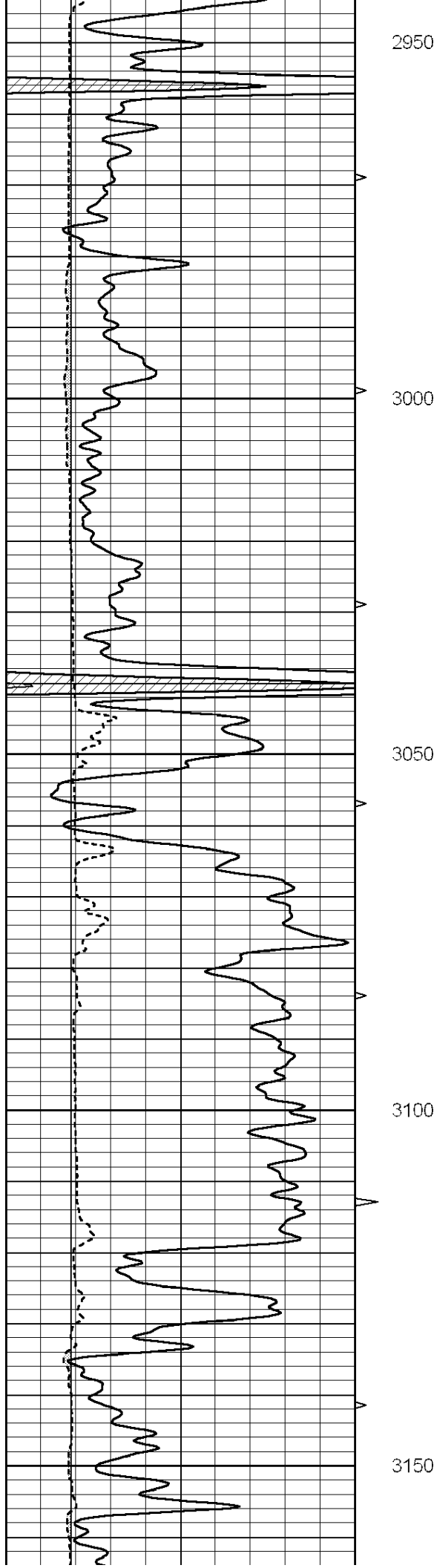
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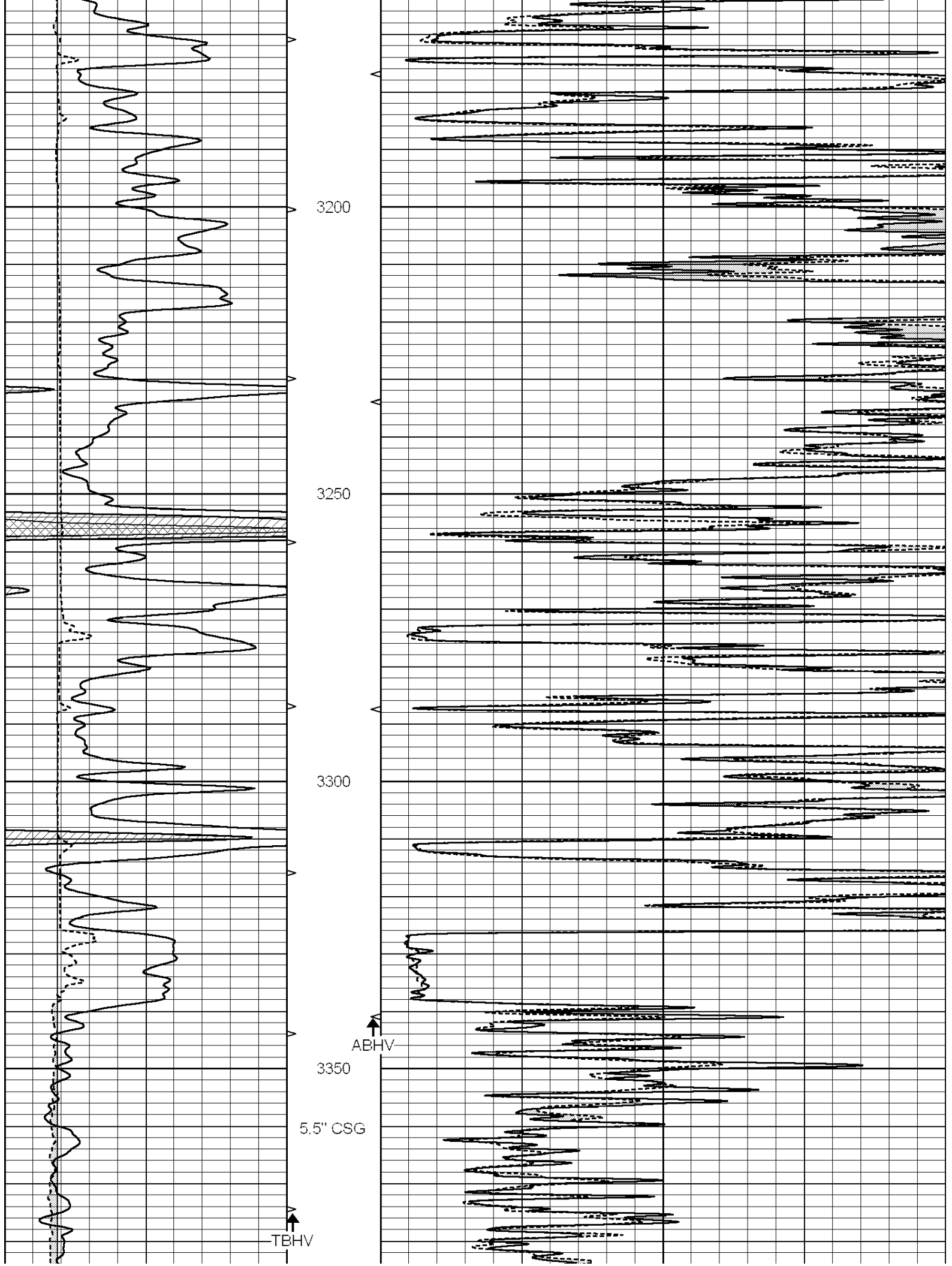
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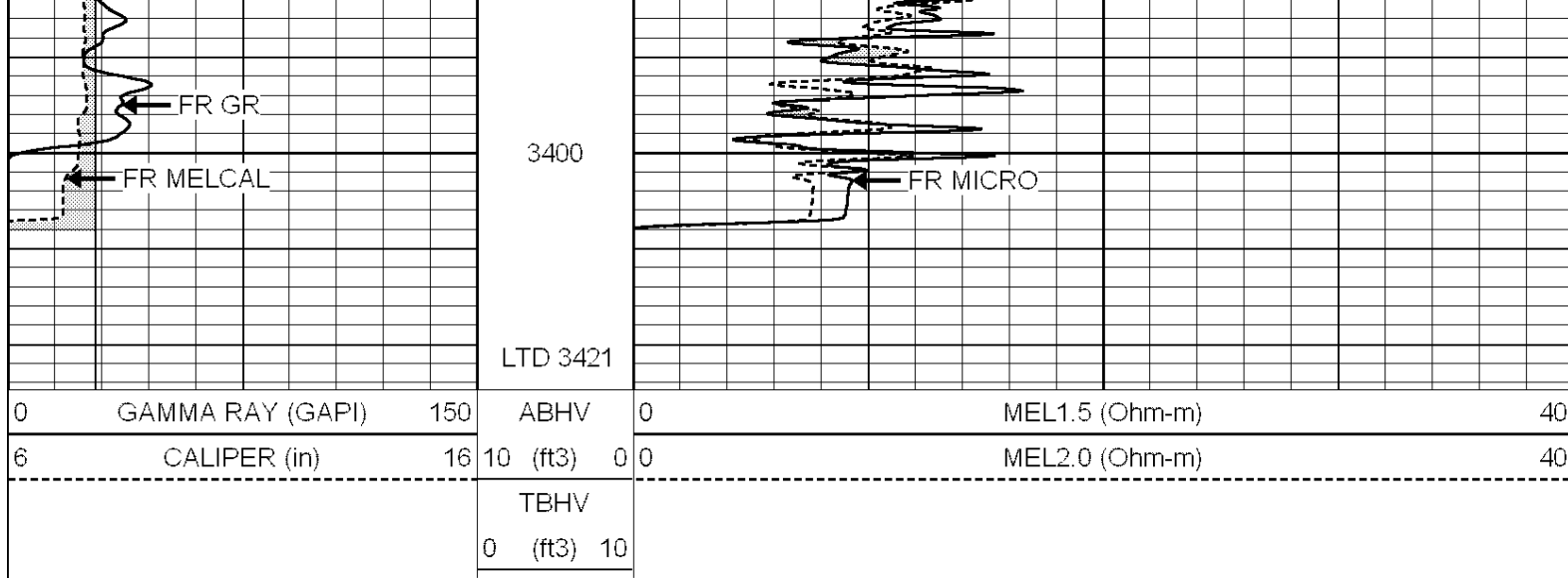
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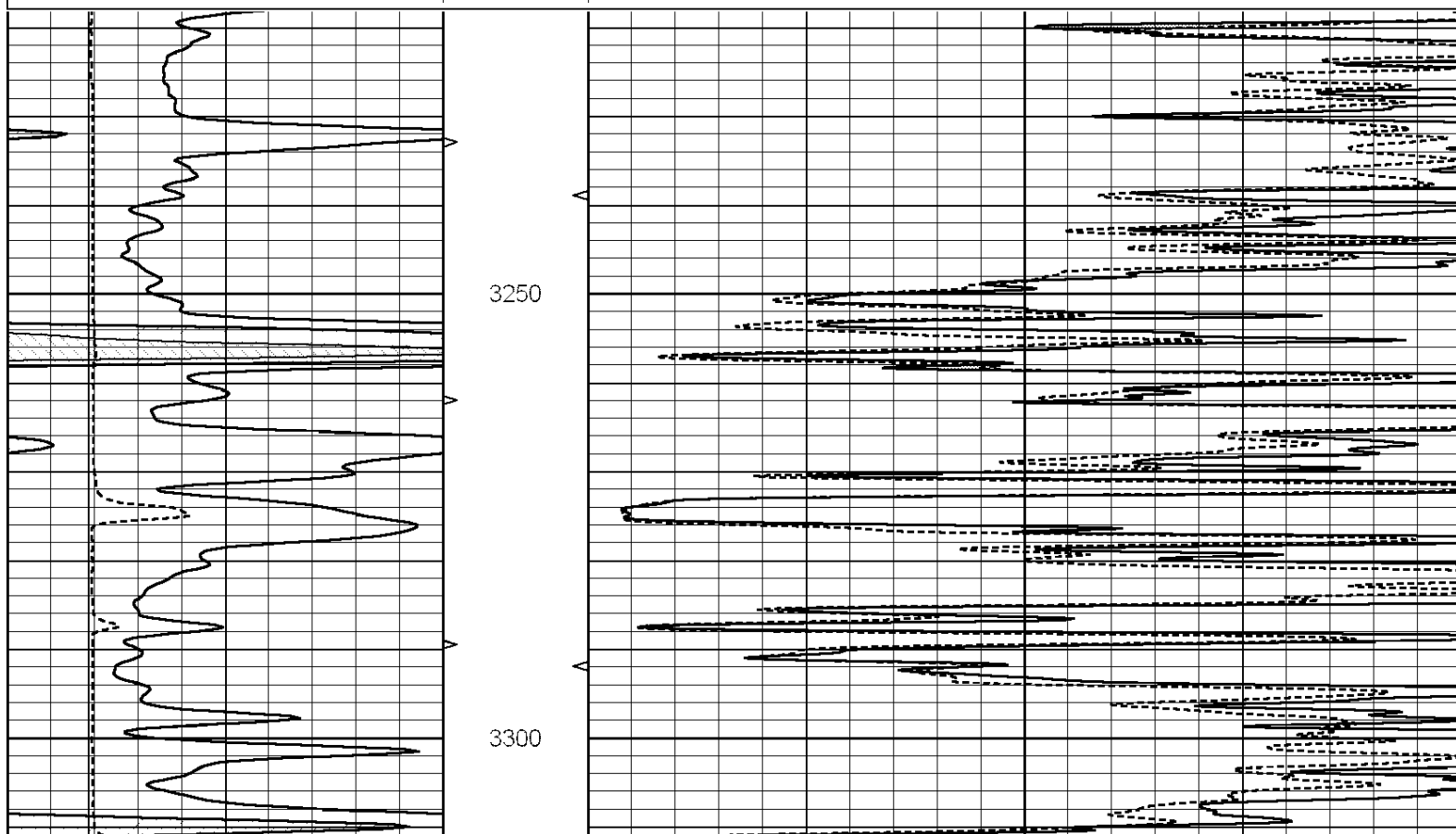


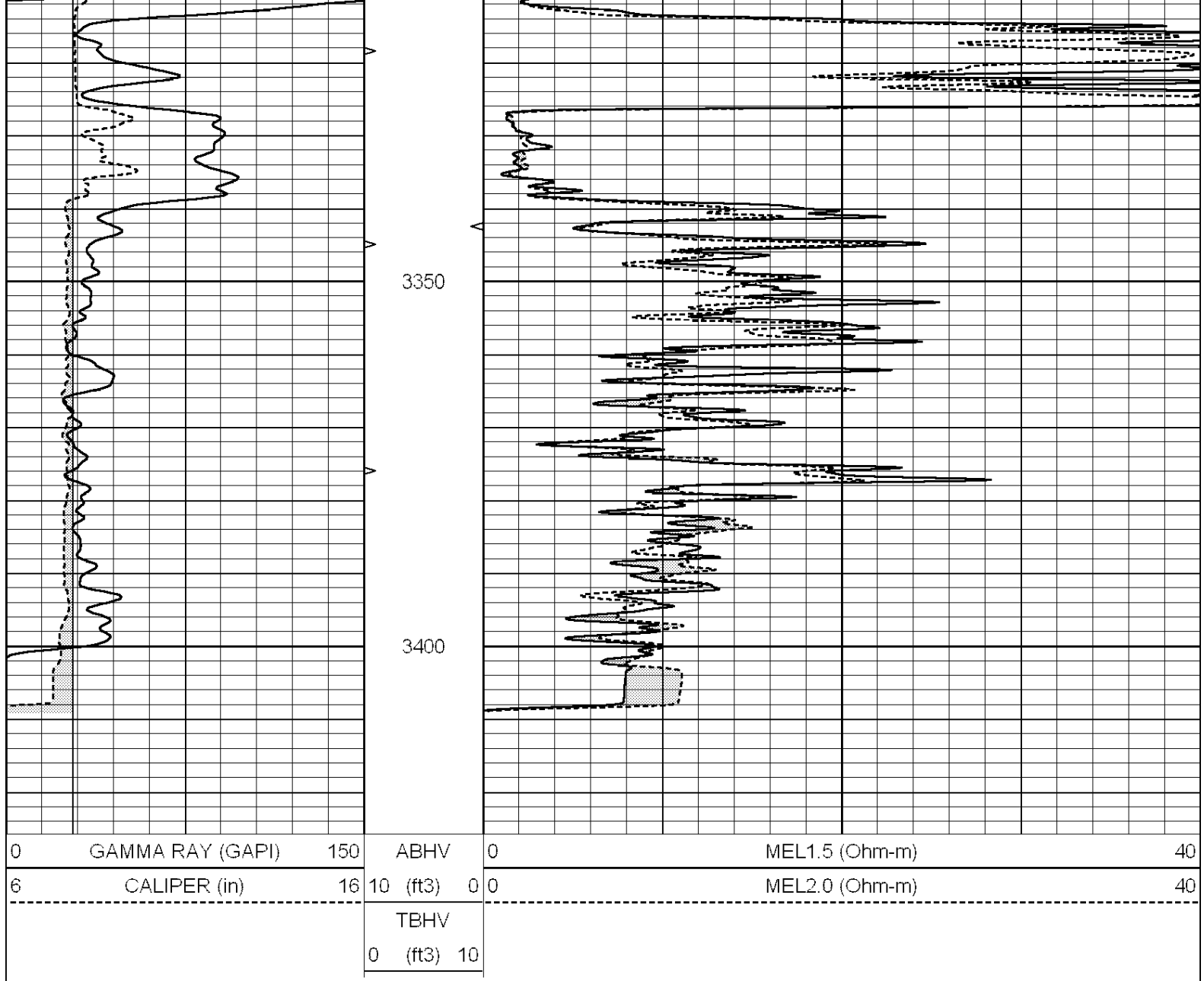
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REPEAT SECTION

Database File: 008849ddn.db
 Dataset Pathname: pass6.2
 Presentation Format: _micro
 Dataset Creation: Wed Apr 25 23:07:11 2012 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
			TBHV			
			0 (ft3) 10			





Calibration Report

Database File: 008849ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Wed Apr 25 23:07:11 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Sat Mar 24 05:25:46 2012	
Caliper Calibration:	Gain=6.253	Offset=-1.368
References	Low Cal	High Cal
Readings	5.800	13.000
	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=-0.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.196
2" Calibration:	Gain=33.041	Offset=-0.300

References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps