



SUPERIOR
Hays,
Kansas

MICRO LOG

Company VALHALLA EXPLORATION, LLC.		Company VALHALLA EXPLORATION, LLC.	
Well MORGENSTERN #1-2		Well MORGENSTERN #1-2	
Field TRAPP		Field TRAPP	
County BARTON		County BARTON	
State KANSAS		State KANSAS	
Location: 330' FSL & 1650' FWL		API # : 15-009-25642-0000	
SEC 2 TWP 17S RGE 13W		Other Services CDL/CNL DIL	
Permanent Datum	GROUND LEVEL	Elevation	1859
Log Measured From	KELLY BUSHING & A.G.L.	K.B. 1867	
Drilling Measured From	KELLY BUSHING	D.F. 1865	
		G.L. 1859	
Date	12/9/11		
Run Number	TWO		
Depth Driller	3450		
Depth Logger	3450		
Bottom Logged Interval	3448		
Top Log Interval	2500		
Casing Driller	8 5/8" @ 773		
Casing Logger	774		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6300 PPM	
Density / Viscosity	9.3/59		
pH / Fluid Loss	11.5/7.6		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	1.5 @ 57F		
Rinf @ Meas. Temp	1.1 @ 57F		
Rinc @ Meas. Temp	1.8 @ 57F		
Source of Rinf / Rinc	MEASURED		
Rin @ BHT	.67 @ 126F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	126F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ADAM KENNEDY		

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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
HOISINGTON KS. - N. ON SUSANK BLKTOP. TO RD 160 - 3/4 W. - N. INTO

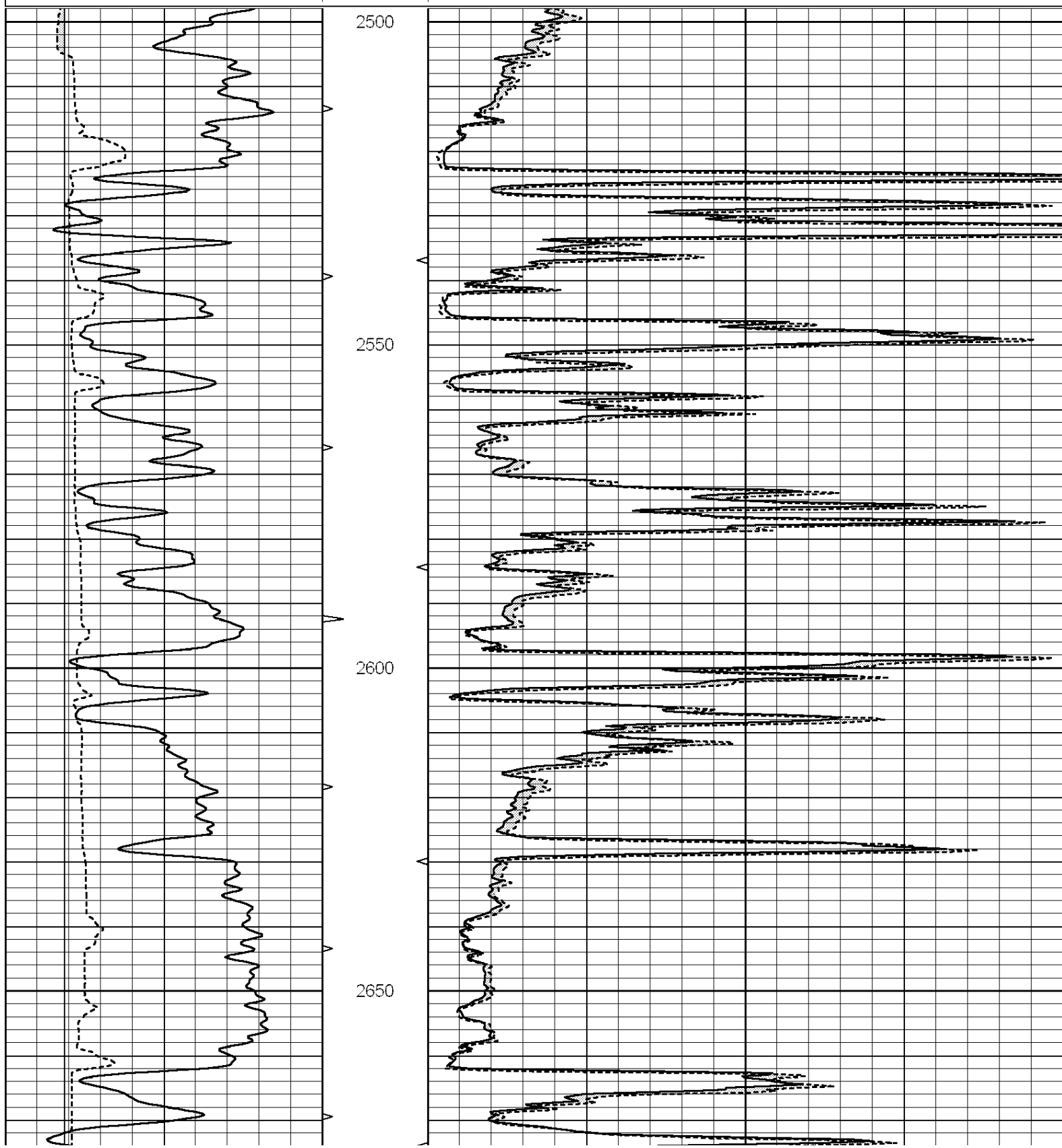


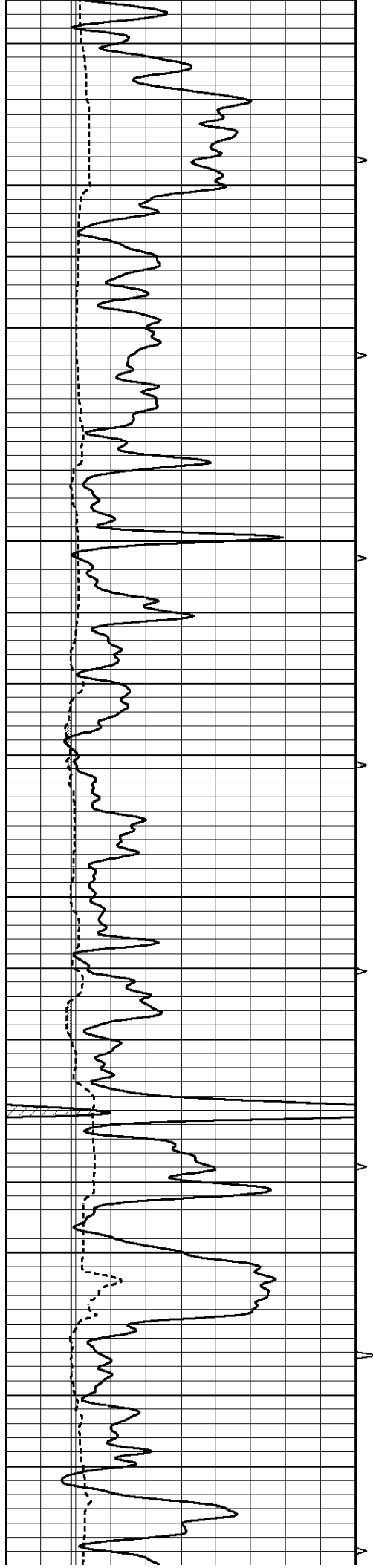
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MAIN SECTION

Database File: 008099ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Fri Dec 09 08:10:19 2011 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		



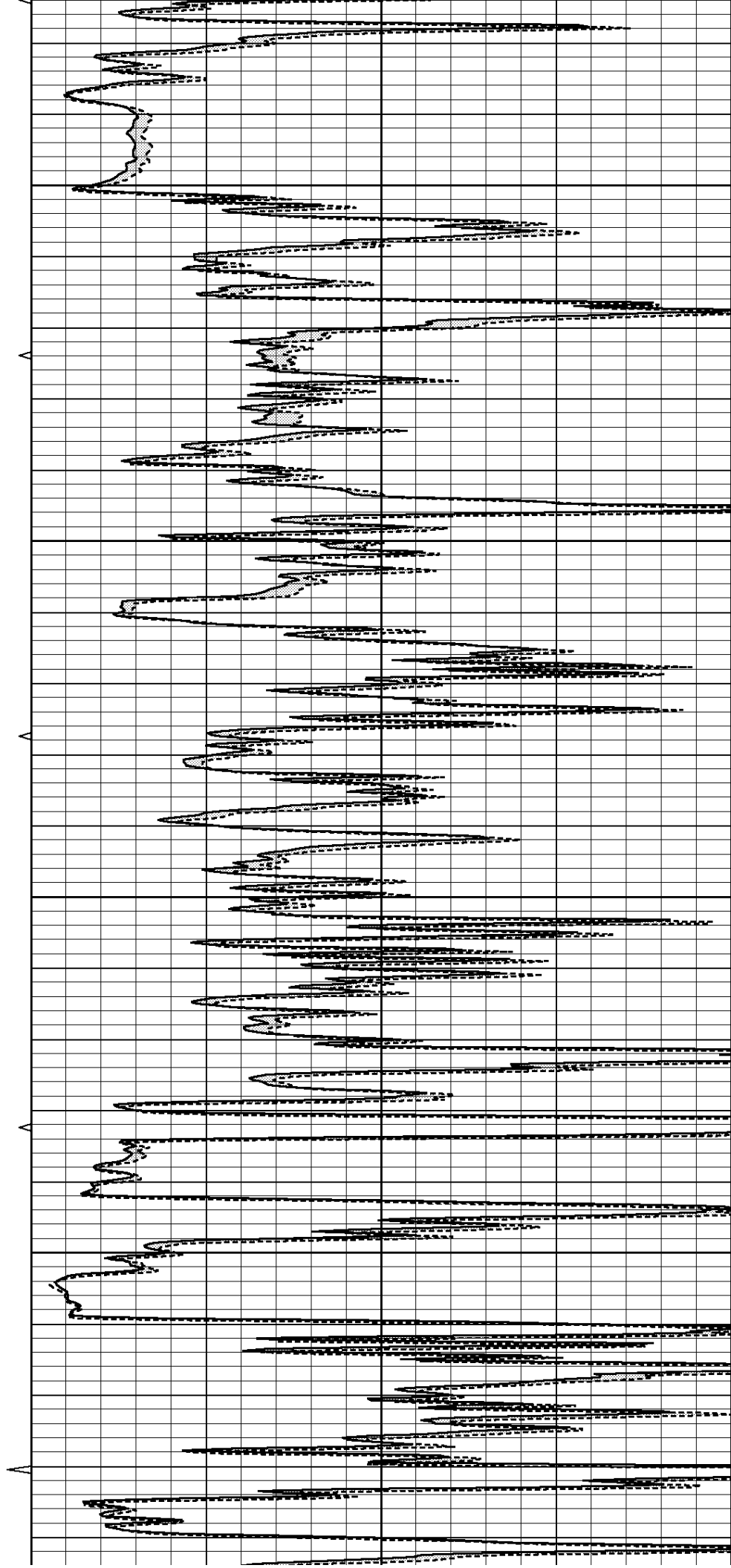


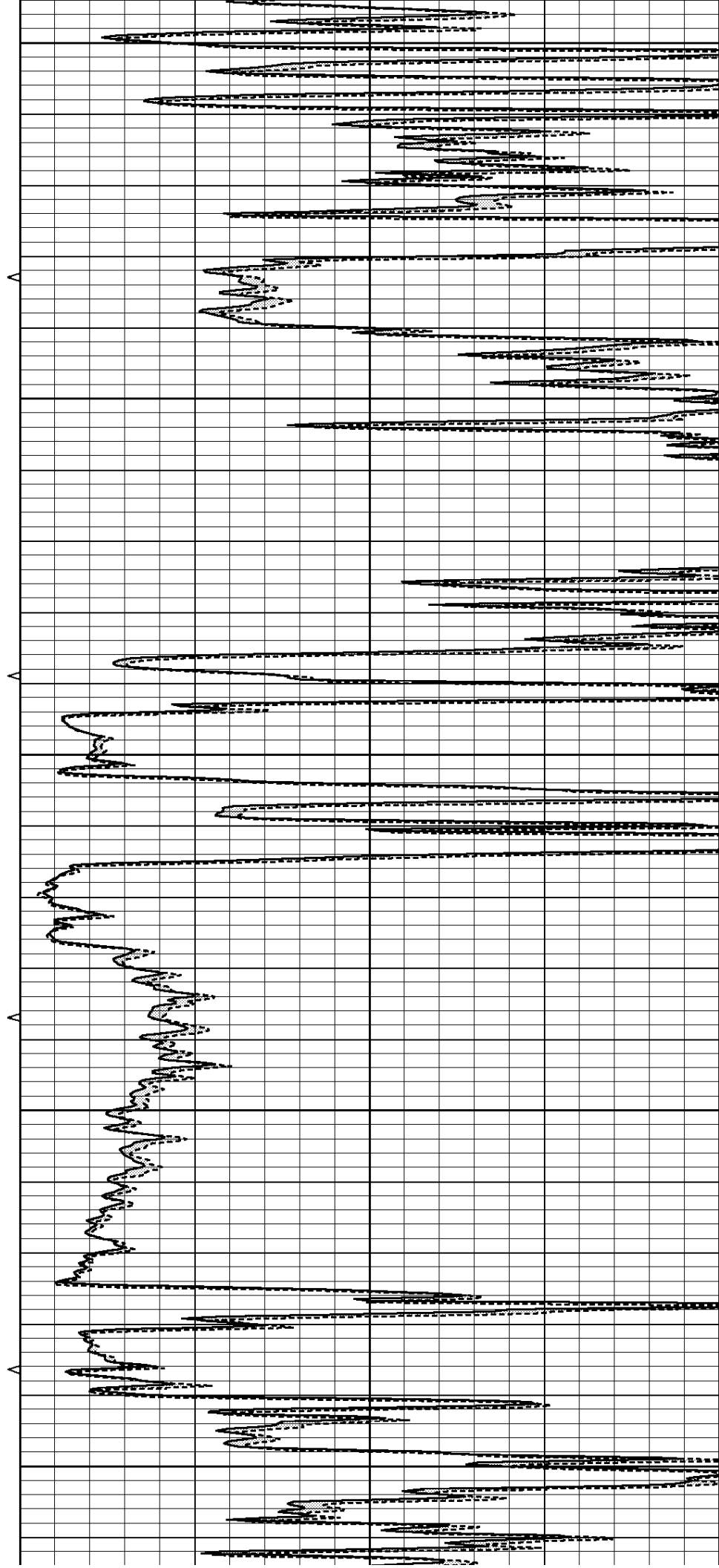
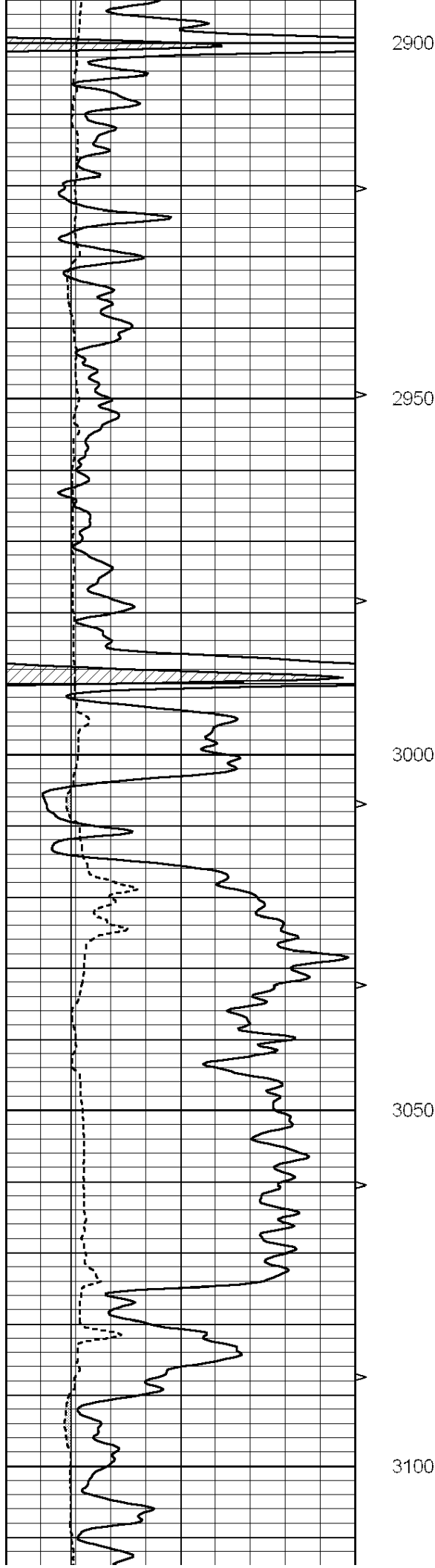
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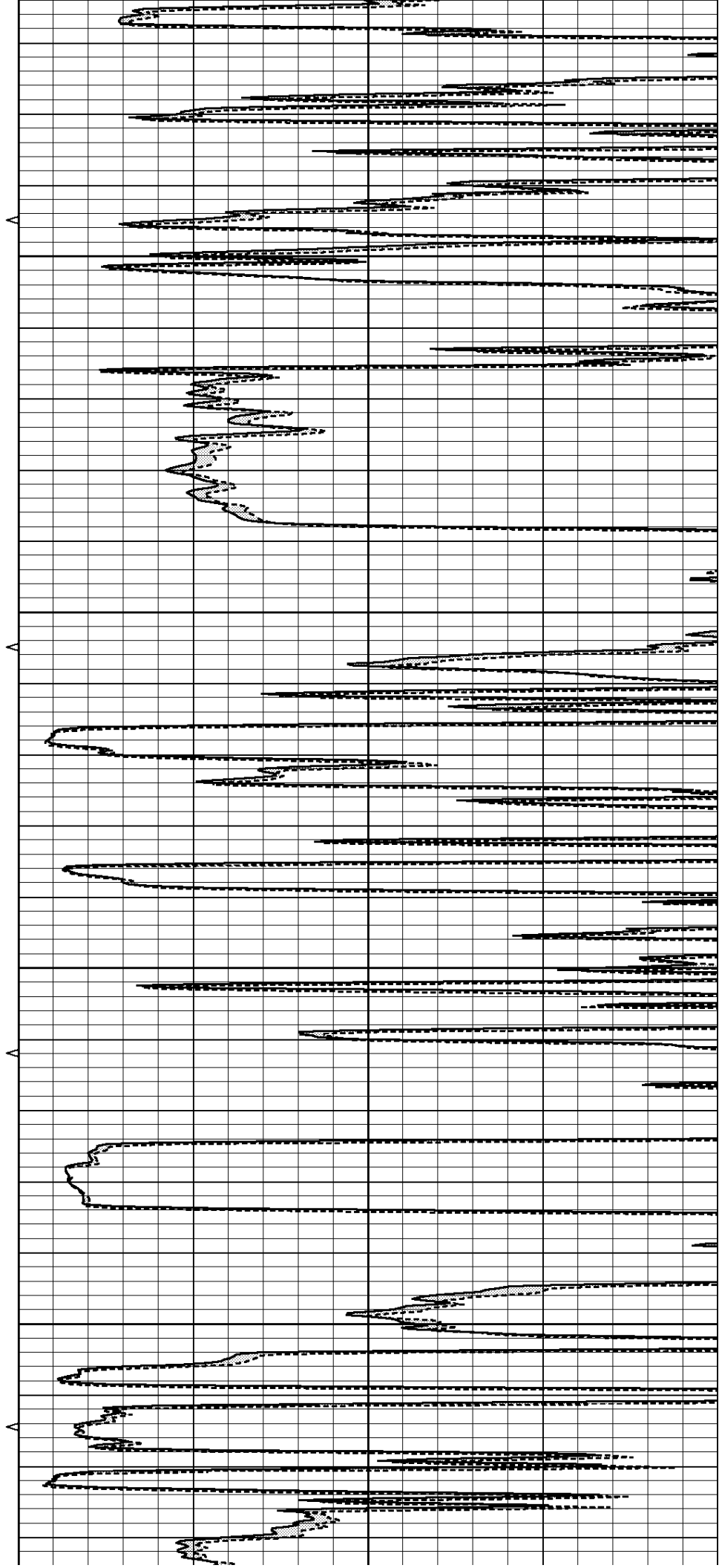
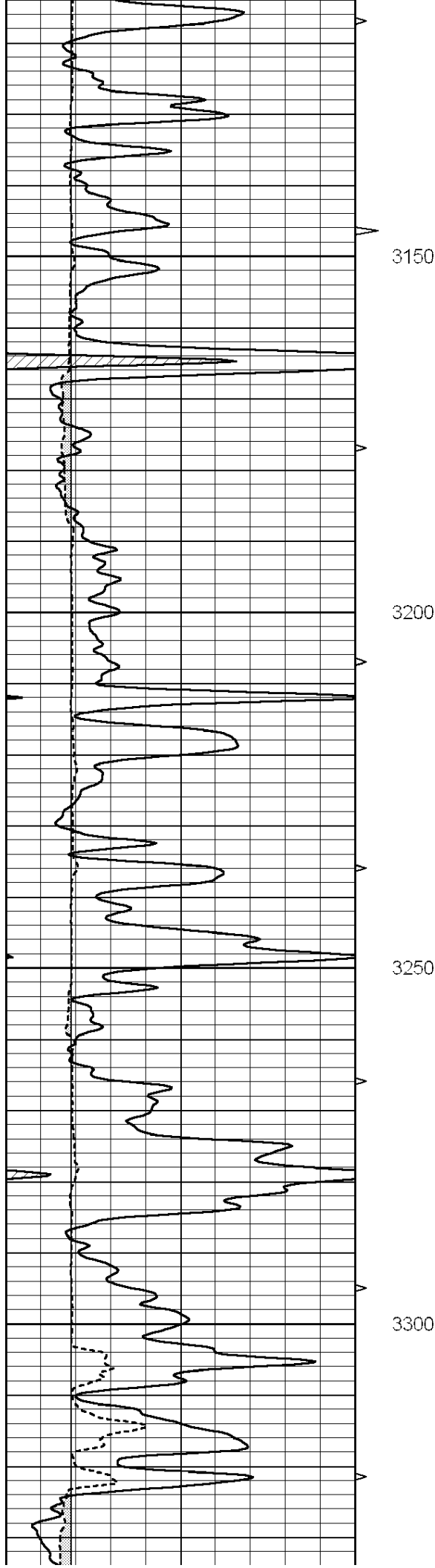
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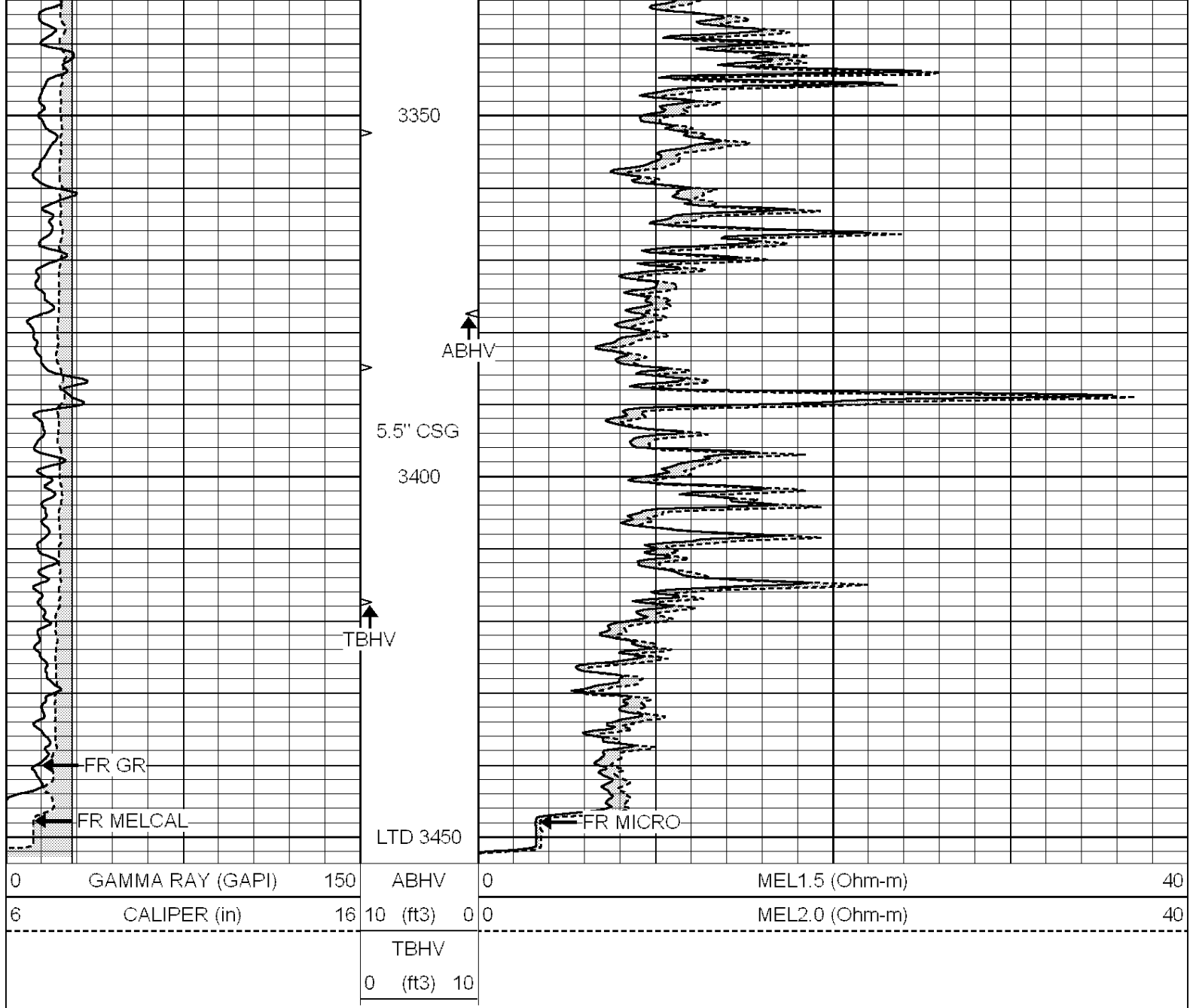
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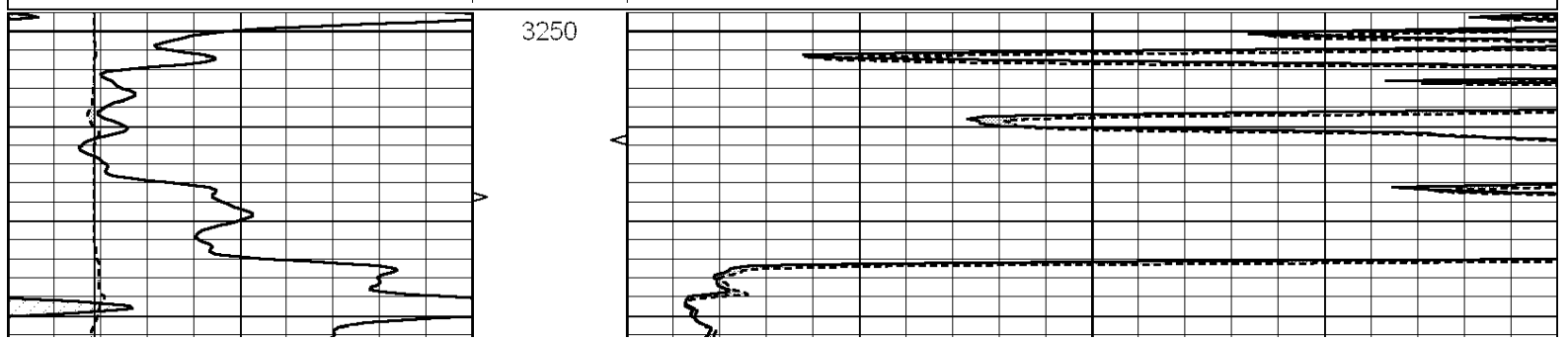


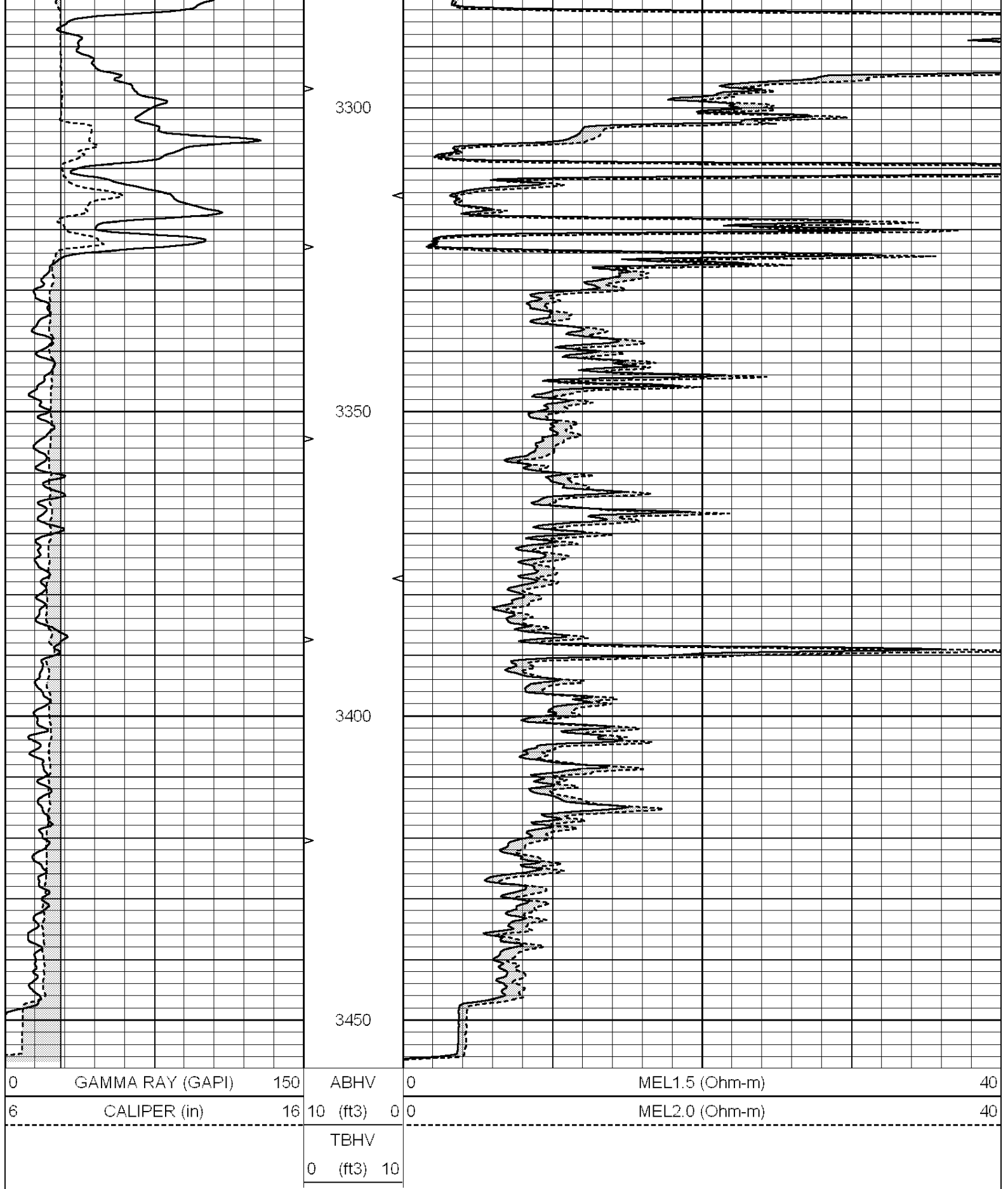




Database File: 008099ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Fri Dec 09 07:34:10 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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: 008099ddn.db
Dataset Pathname: pass6.1
Dataset Creation: Fri Dec 09 08:10:19 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6
Tool Model:	PROBE
Performed:	Sun Nov 20 13:54:16 2011

Caliper Calibration:	Gain=5.211	Offset=-0.060
	Low Cal	High Cal
References	8.000	14.000
Readings	1.178	2.330

1.5" Calibration:	Gain=30.075	Offset=-0.650
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration:	Gain=83.041	Offset=-1.800
	Low Cal	High Cal
References	0.000	20.000
Readings	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