



SUPERIOR
Hays,
Kansas

MICRO LOG

Company		MAI OIL OPERATIONS, INC.	
Well		WOYDZIAK-KIRMER UNIT #1	
Field		KRAFT-PRUSA	
County		BARTON	
State		KANSAS	
Location:		APL # : 15-009-25619-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		1300' FNL & 1500' FVL	
Drilling Measured From		SW-SW-NE-NW	
SEC 7		TWP 16S	
RGE 11W		Other Services	
Elevation		CDL/CNL	
K.B. 1871		DIL	
D.F. 1869			
G.L. 1863			
Date	11/17/11		
Run Number	TWO		
Depth Driller	3405		
Depth Logger	3409		
Bottom Logged Interval	3407		
Top Log Interval	2600		
Casing Driller	8 5/8" @ 424		
Casing Logger	424		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7700 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 57F		
Rmf @ Meas. Temp	.56 @ 57F		
Rmc @ Meas. Temp	.90 @ 57F		
Source of Rmf / Rmc	MEASURED		
Rm @ 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	JIM MUSGROVE		

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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
ODIN KS. - 9 N. - 1 E. - 1/4 S. - E. INTO

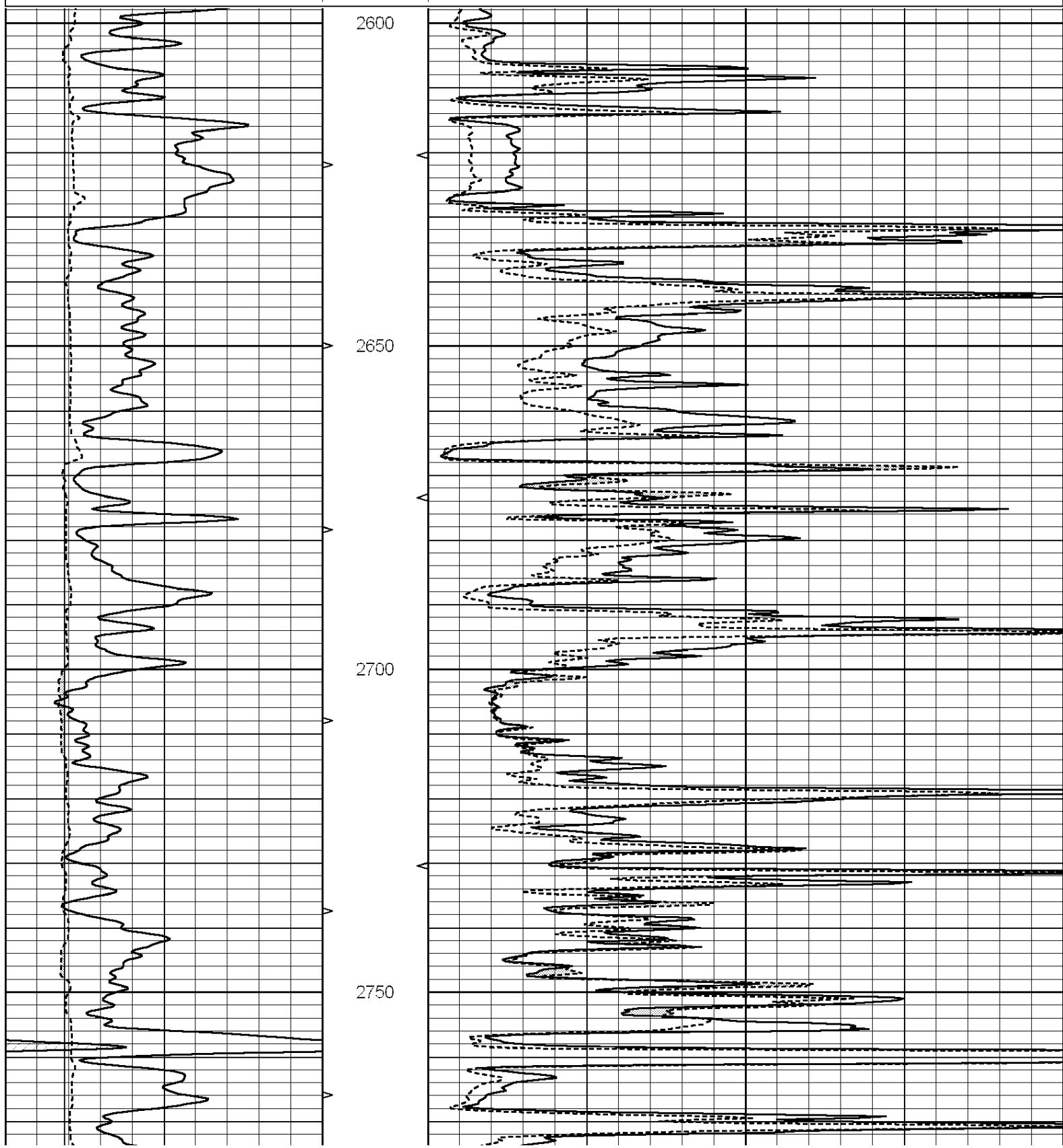


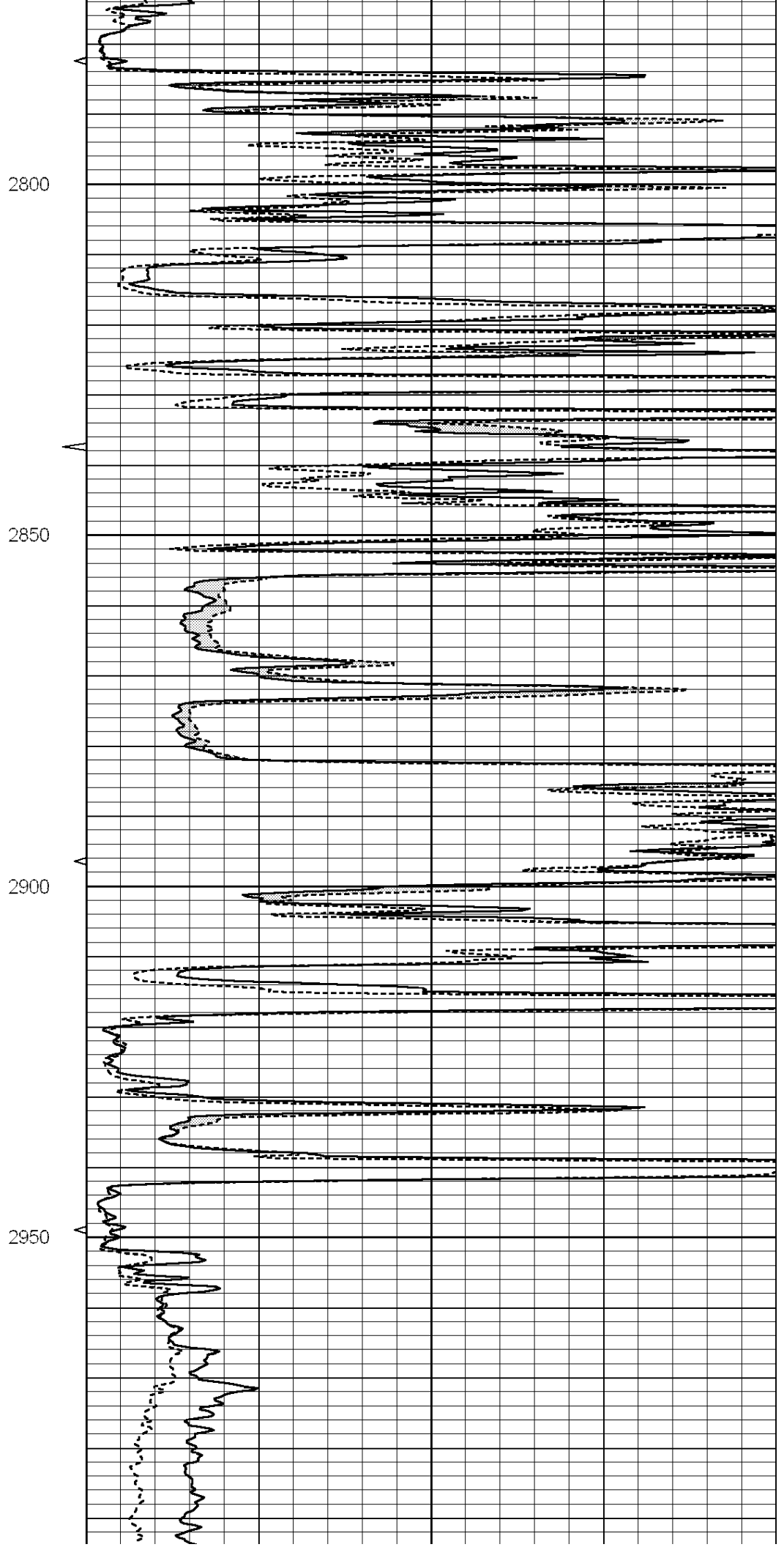
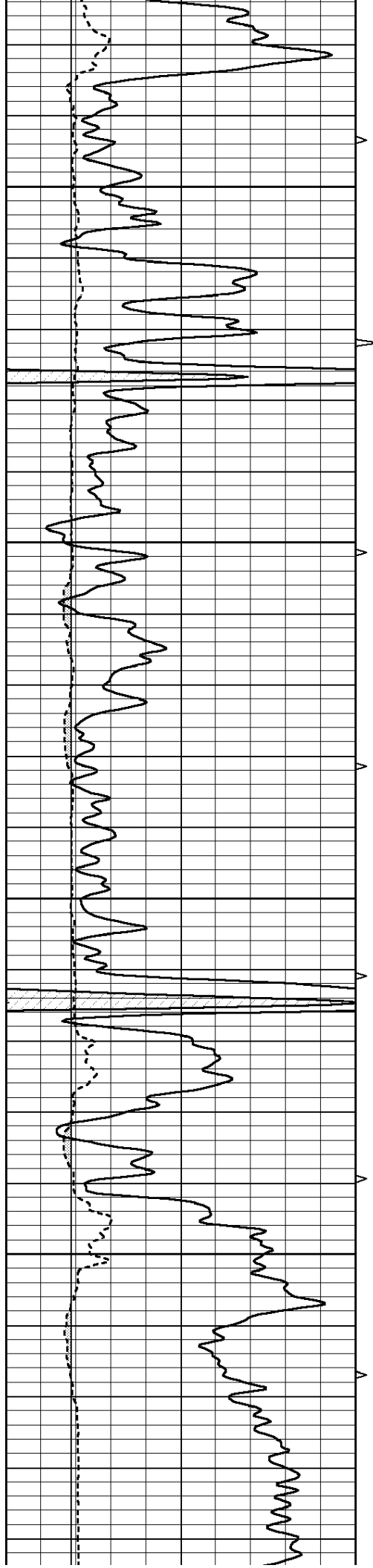
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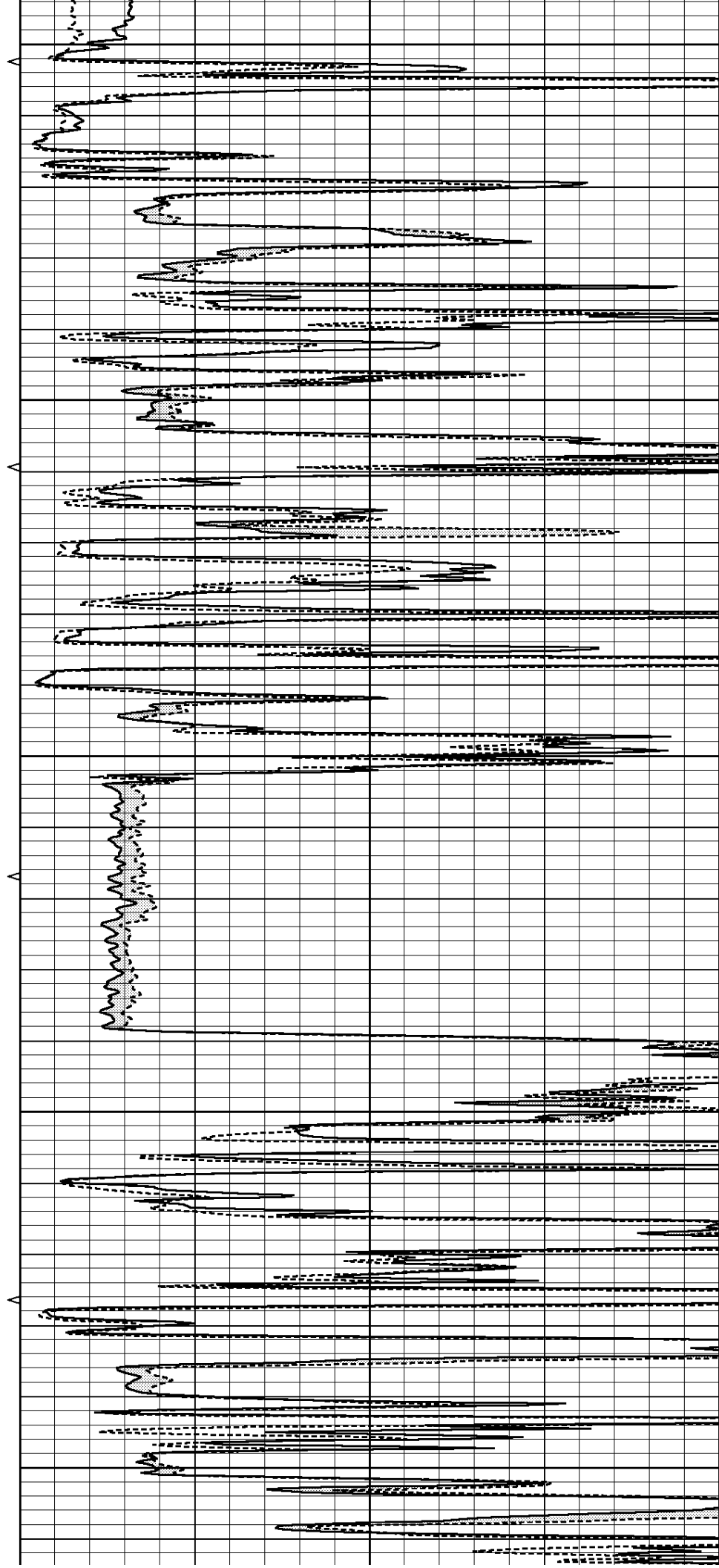
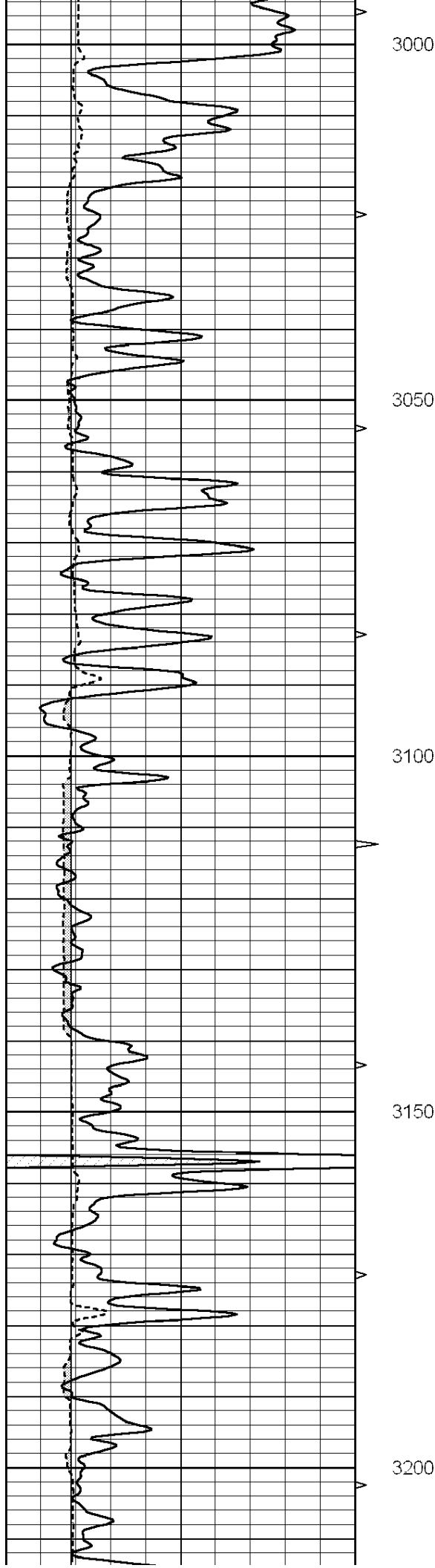
MAIN SECTION

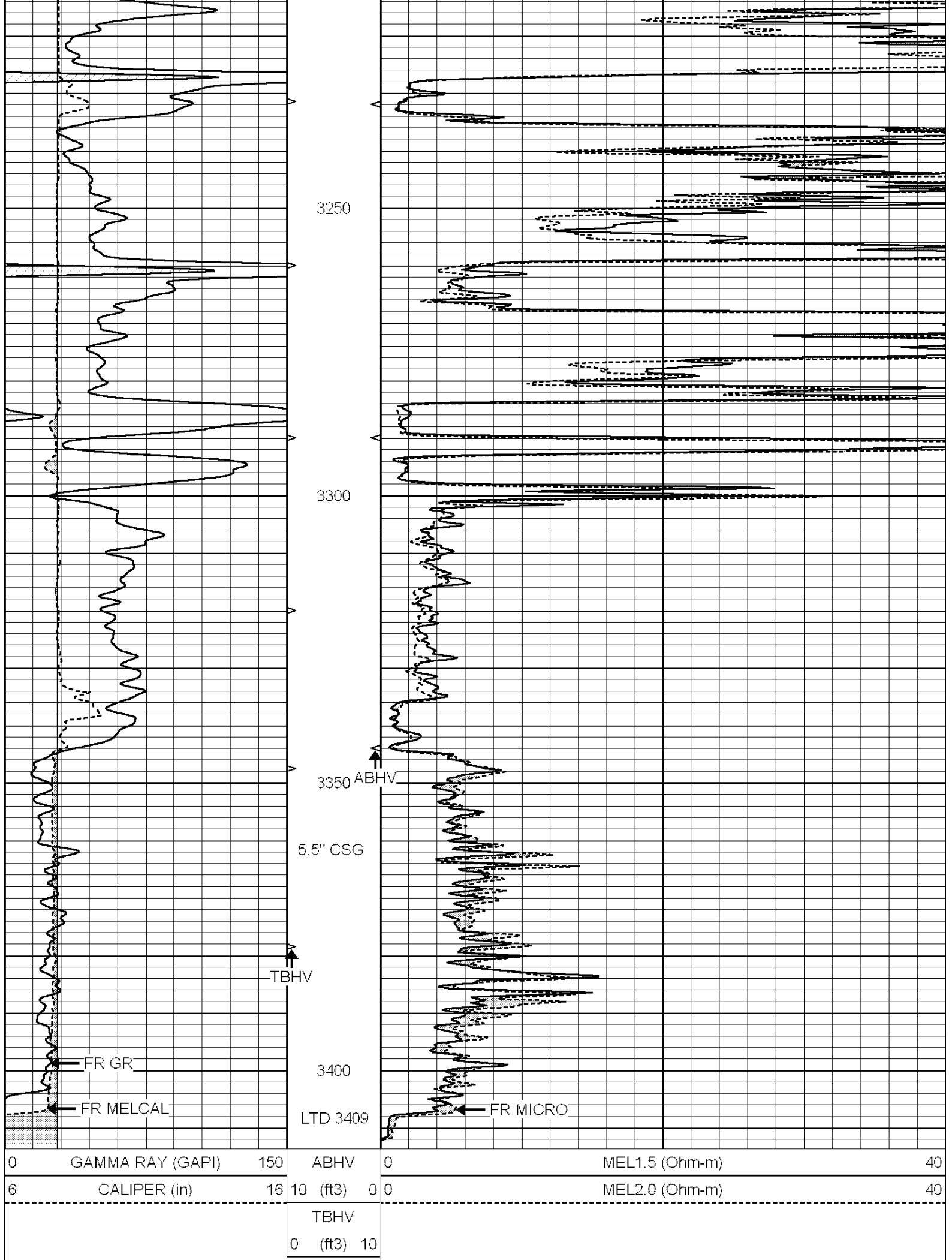
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Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Thu Nov 17 03:17:45 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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			









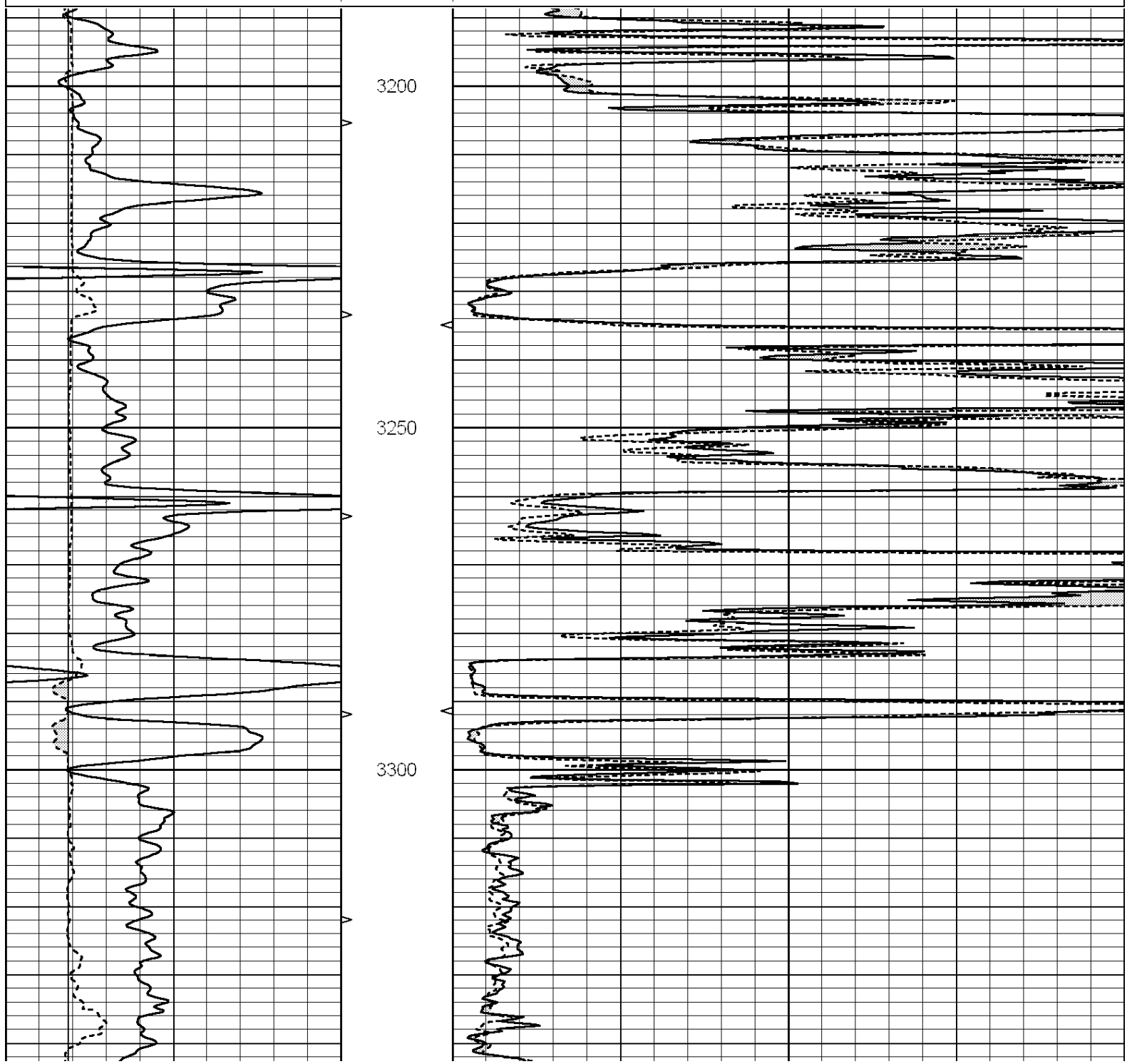


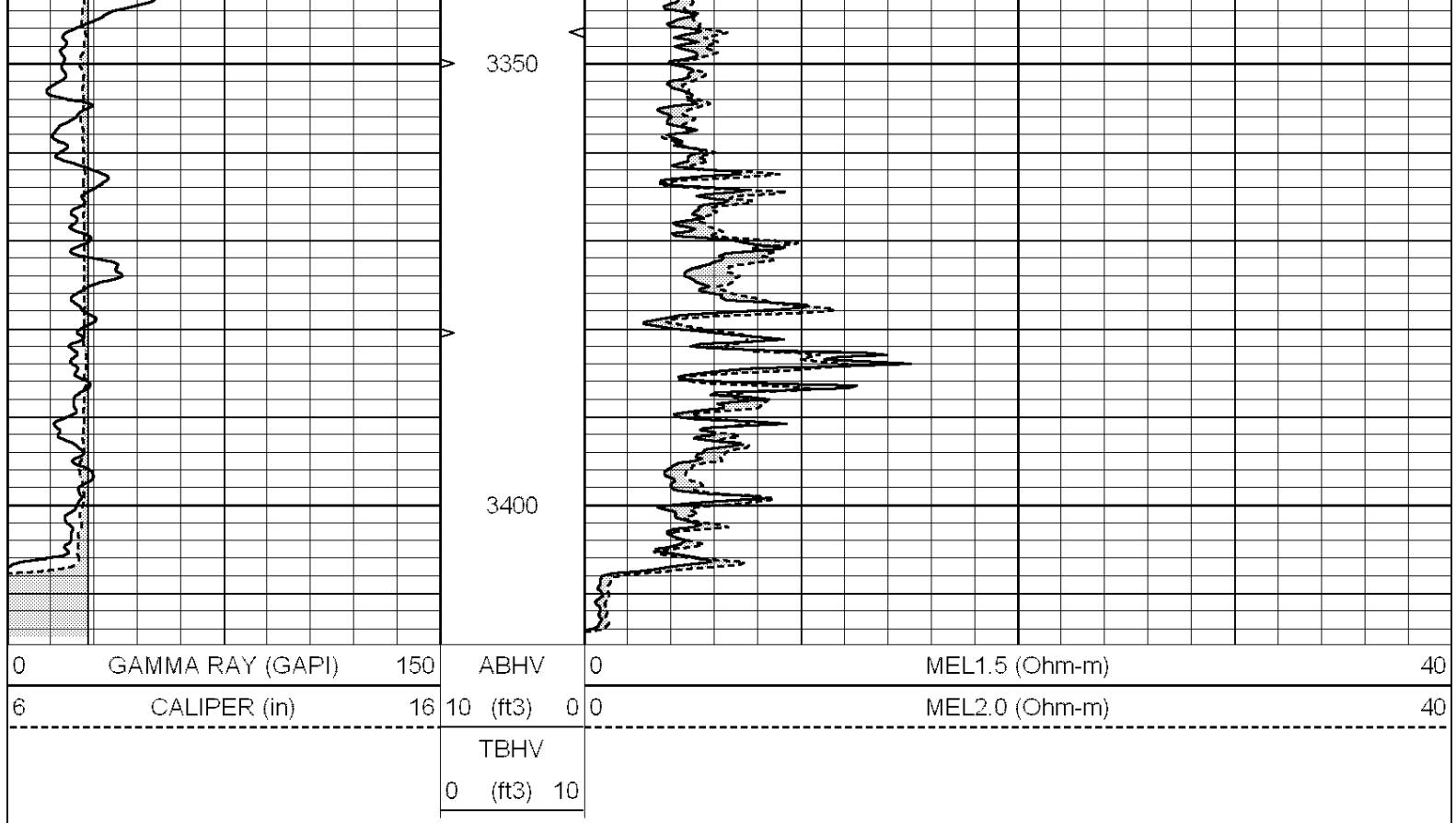
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REPEAT SECTION

Database File: 008086ddn.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Thu Nov 17 03:10:10 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:	008086ddn.db		
Dataset Pathname:	pass5.1		
Dataset Creation:	Thu Nov 17 03:10:10 2011 by Calc Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO3		
Tool Model:	PROBE		
Performed:	Tue Oct 25 12:58:04 2011		
Caliper Calibration:	Gain=3.916	Offset=-9.471	
	Low Cal	High Cal	
References	8.000	14.000	
Readings	4.257	5.789	
1.5" Calibration:	Gain=130.000	Offset=-0.700	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.004	0.228	
2" Calibration:	Gain=130.553	Offset=-1.220	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.005	0.175	
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