



SUPERIOR
Hays,
Kansas

MICRO LOG

Company		CAPTIVA II, LLC.	
Well		EAKIN #5-7	
Field		LARNED WEST	
County		PAWNEE	
State		KANSAS	
Location:		APL # : 15-145-21655-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 11' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 7		TWP 22S	
RGE		16W	
Other Services		CDL/CNL/PE DIL/SONIC	
Elevation		K.B. 2021 D.F. 2019 G.L. 2010	
Date	10/28/11		
Run Number	TWO		
Depth Driller	4050		
Depth Logger	4050		
Bottom Logged Interval	4027		
Top Log Interval	3000		
Casing Driller	8 5/8"@1026'		
Casing Logger	1024		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,800 PPM	
Density / Viscosity	9.3/53		
pH / Fluid Loss	10.0/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600@80F		
Rmt @ Meas. Temp	.450@80F		
Rmc @ Meas. Temp	.720@80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.410@117F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	9:00 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	CHARLIE STURDAVANT		

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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 HAYS, KANSAS (785) 628-6395
DIRECTIONS

LARNED, KS. (DOWN TOWN) 3/4W. ON HWY 56 JUST PAST SECOND BRIDGE, 1/2S., W. INTO@TANK
BATTERY THEN S. ALONG RIVER

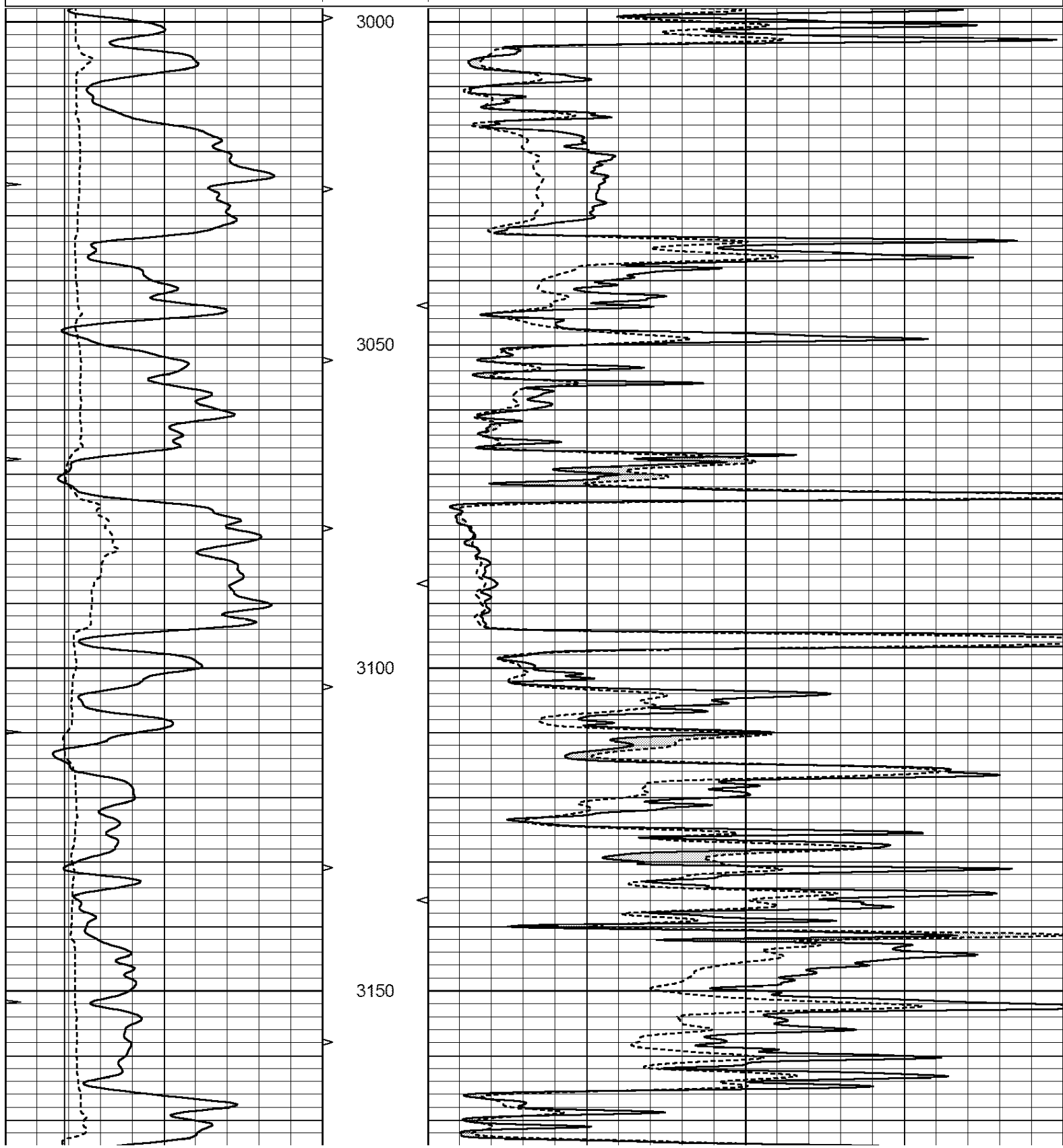


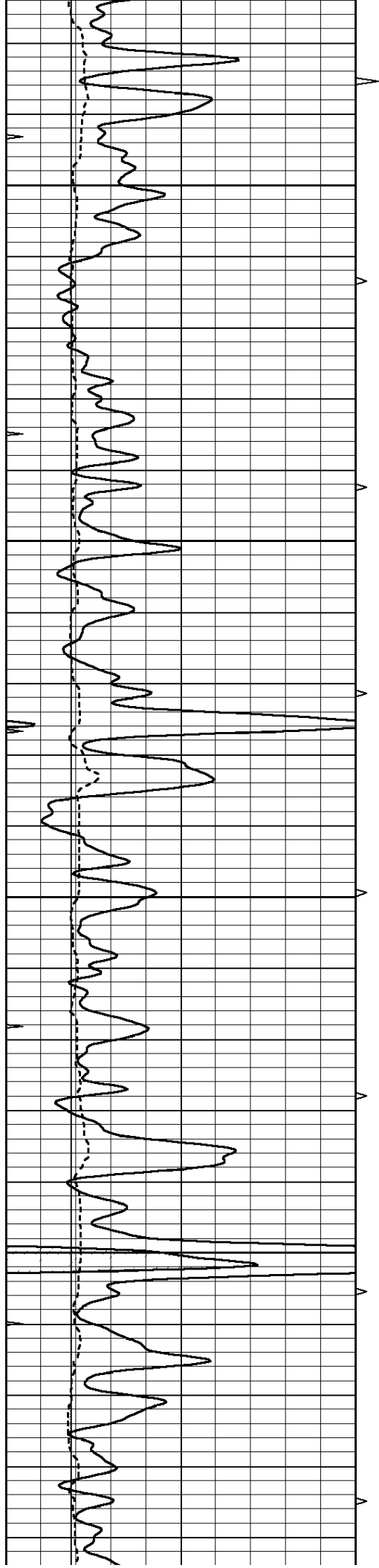
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MAIN SECTION

Database File: 007474pe.db
Dataset Pathname: pass6.4
Presentation Format: micro
Dataset Creation: Fri Oct 28 12:34:38 2011
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			



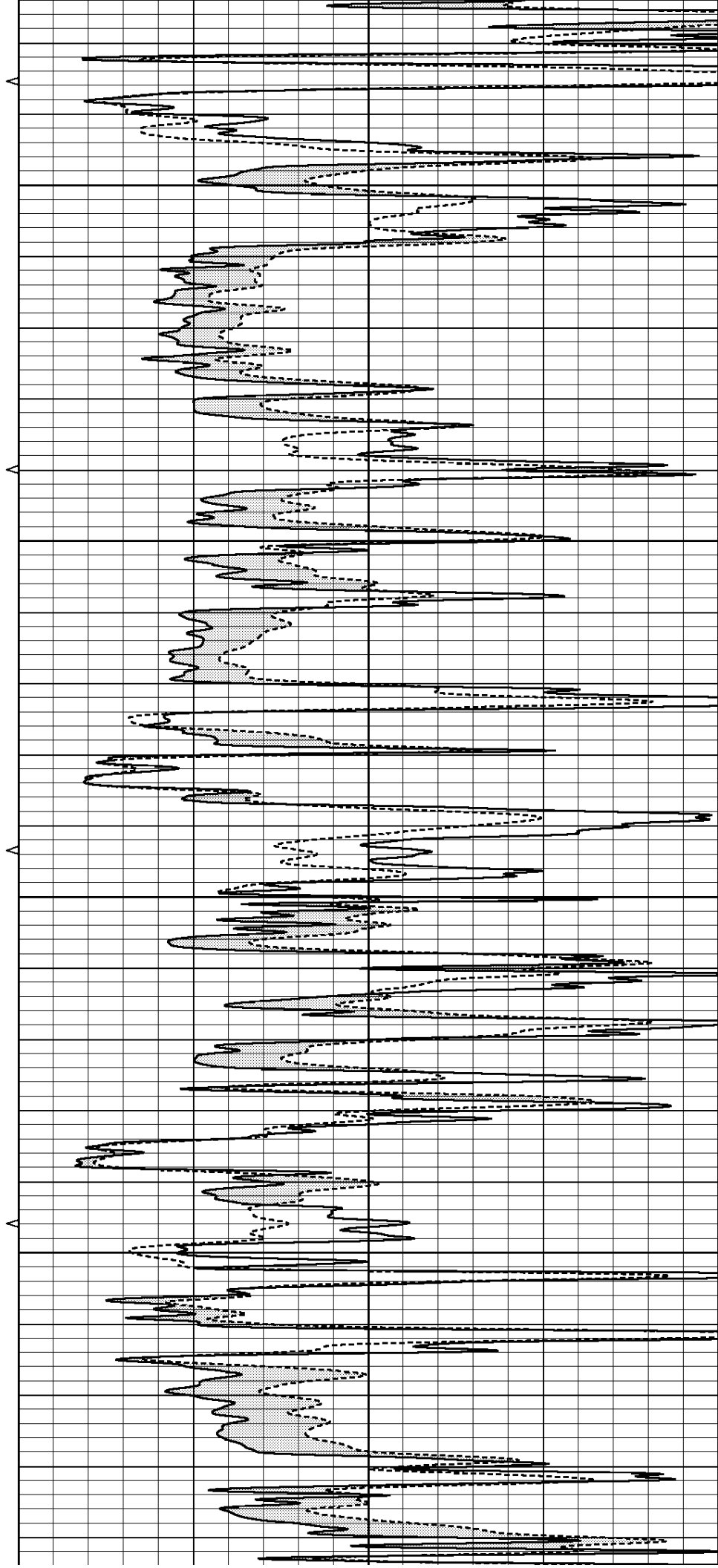


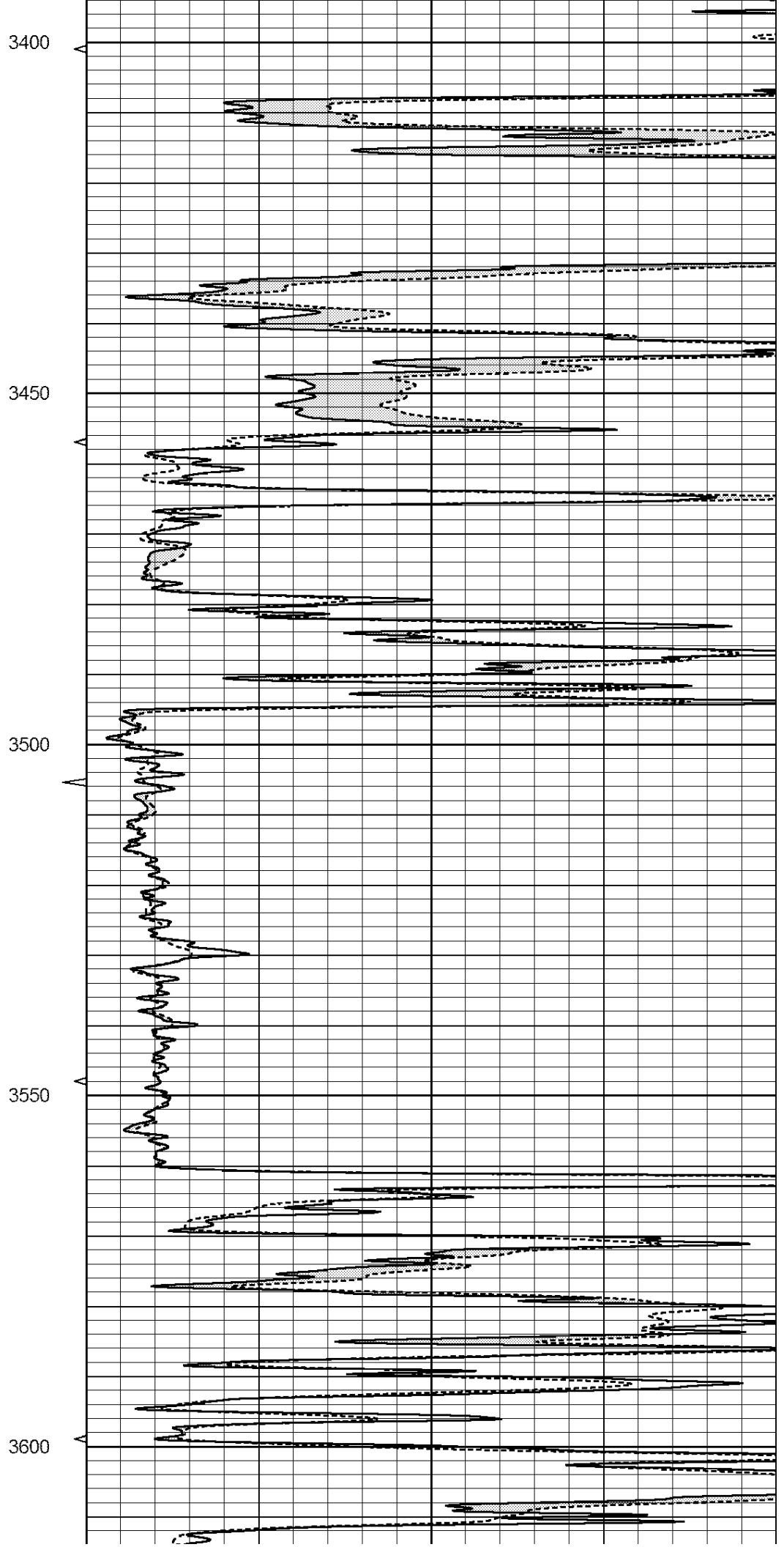
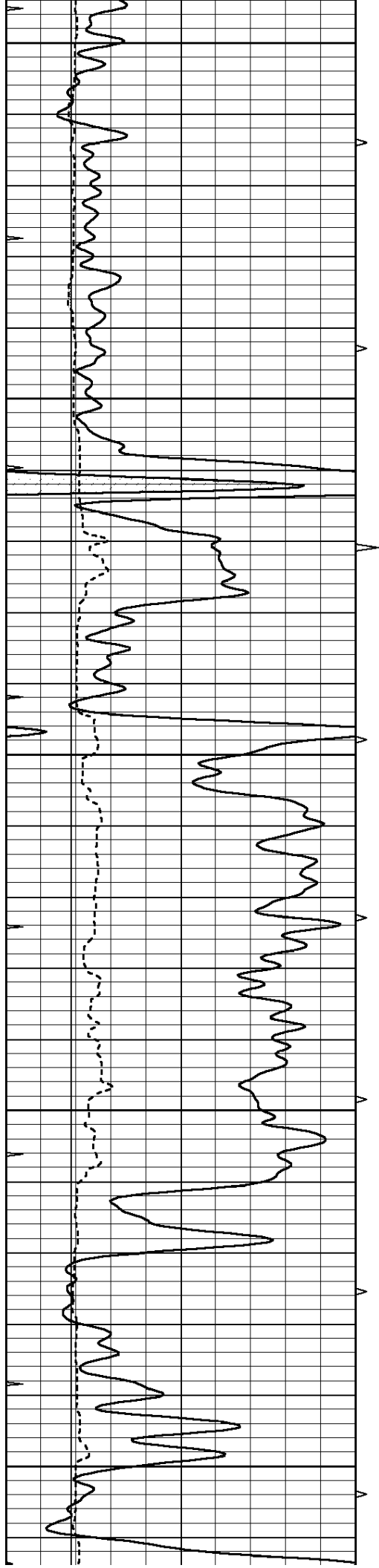
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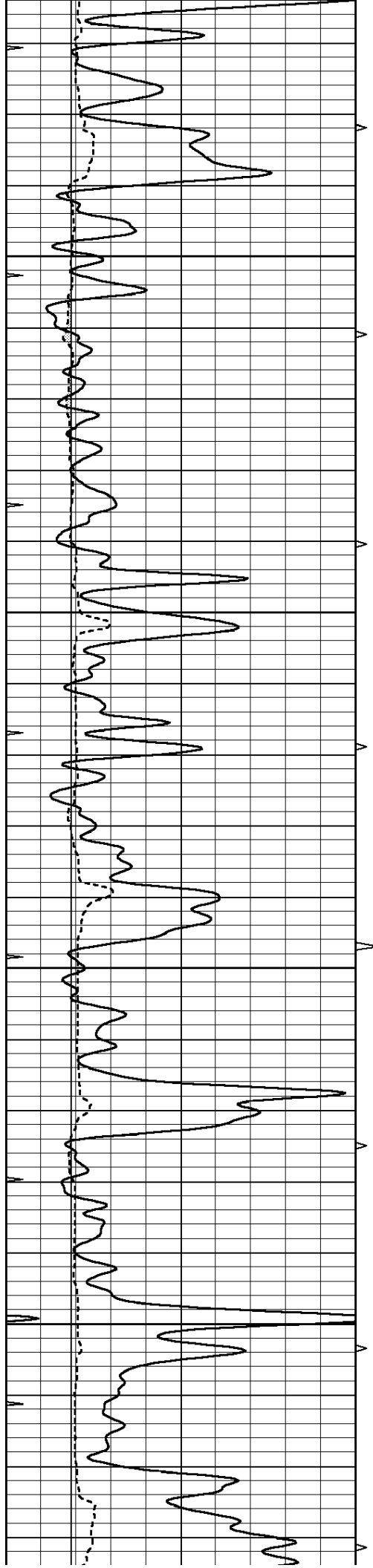
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3300

3350





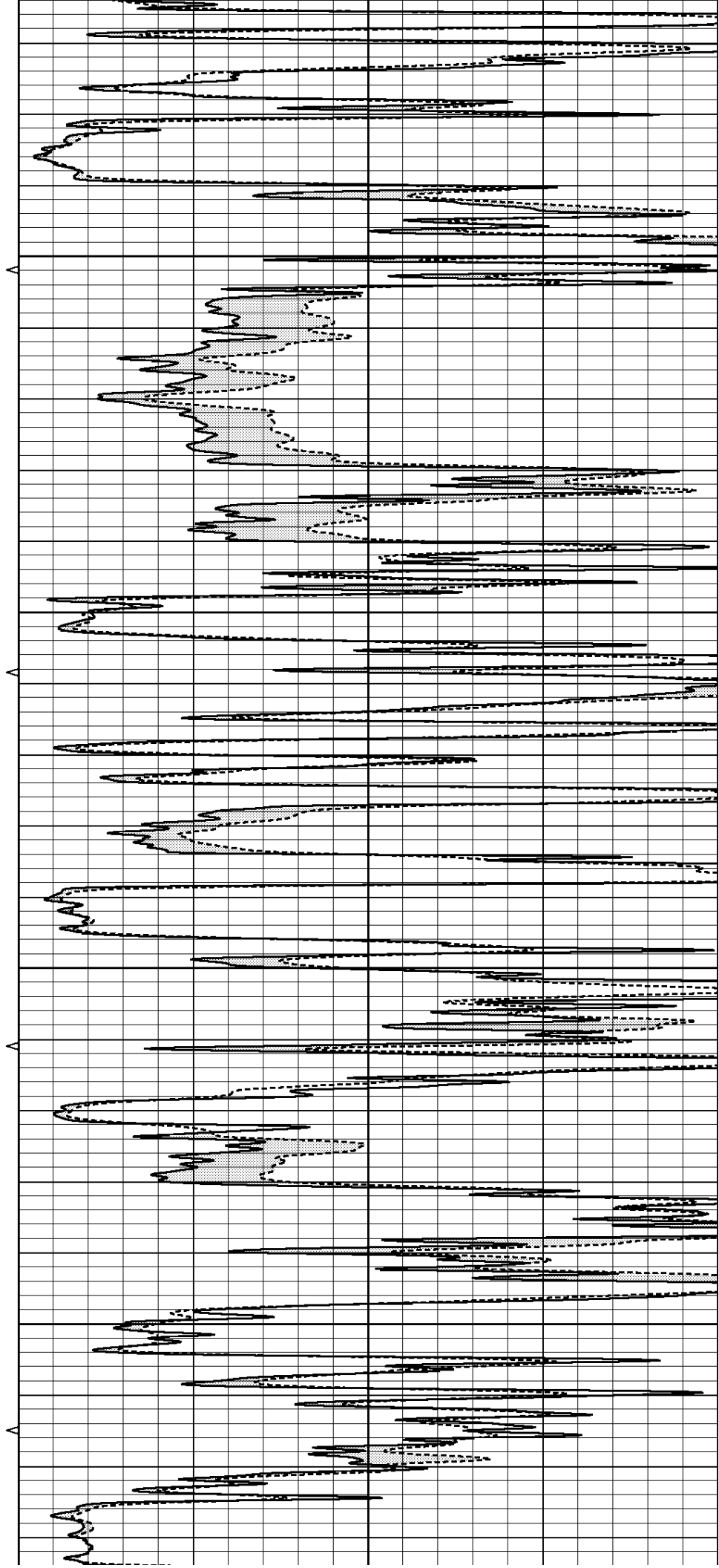


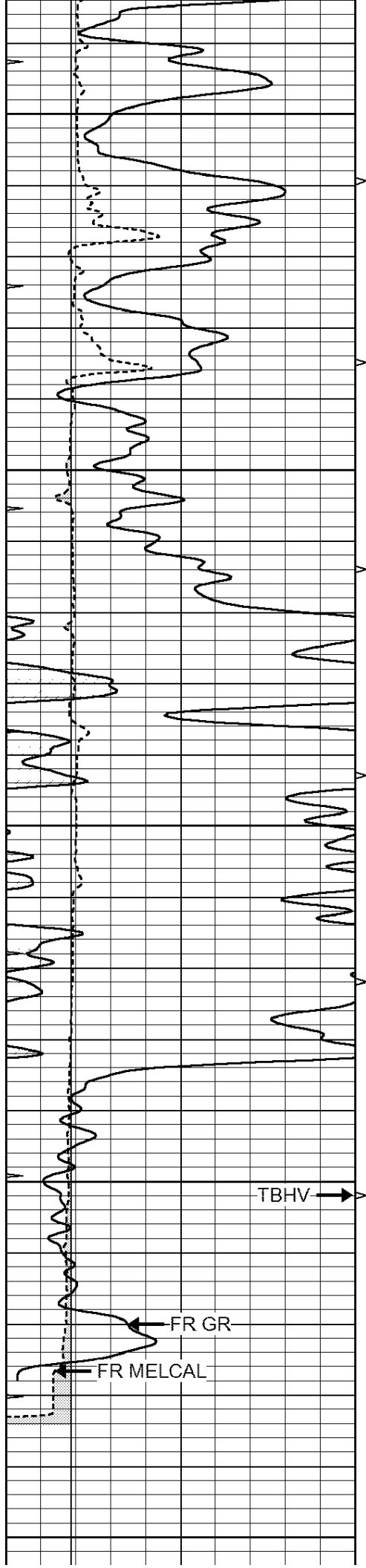
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3700

3750

3800





3850

3900

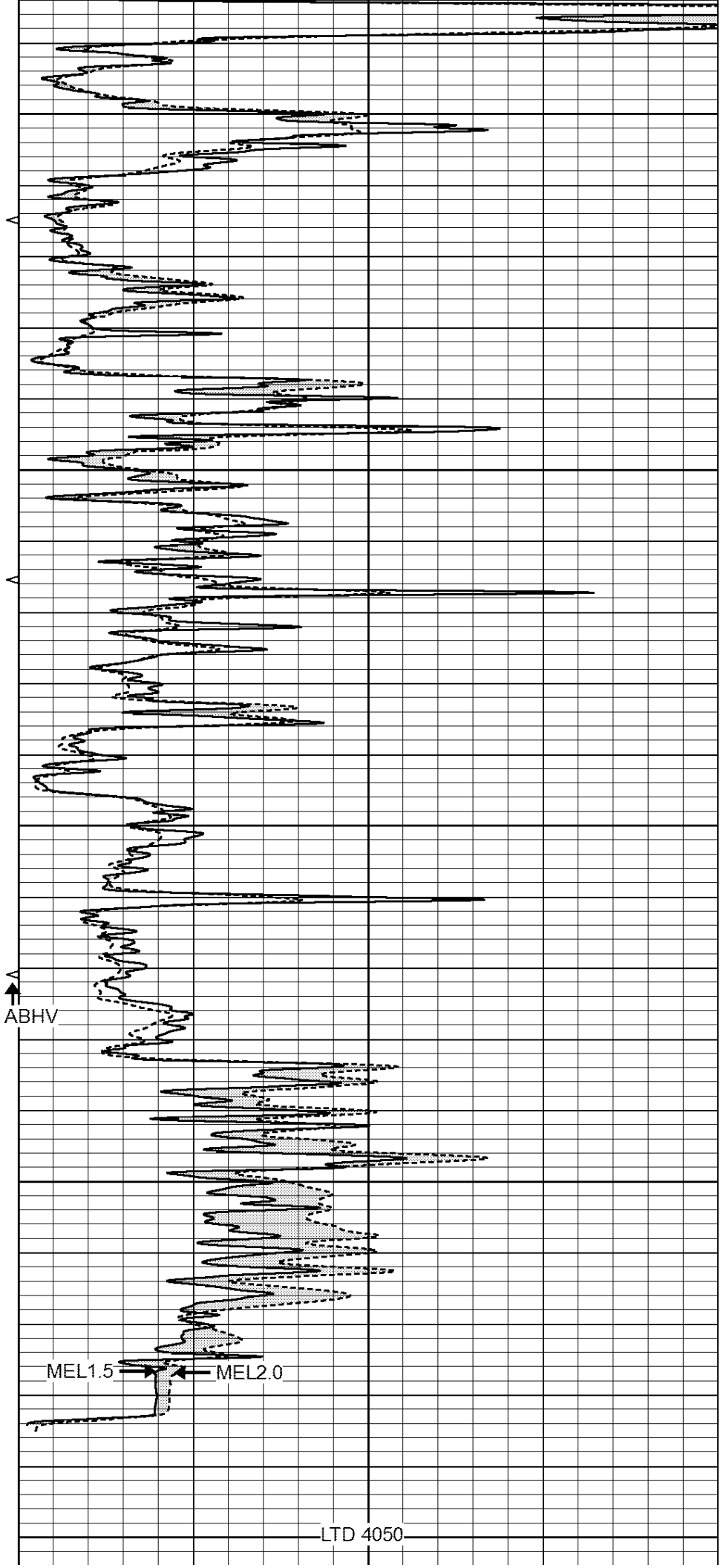
3950

TBHV →

← FR GR

← FR MELCAL

4050



5.5" ABHV ↑

← MEL1.5

← MEL2.0

LTD 4050

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		

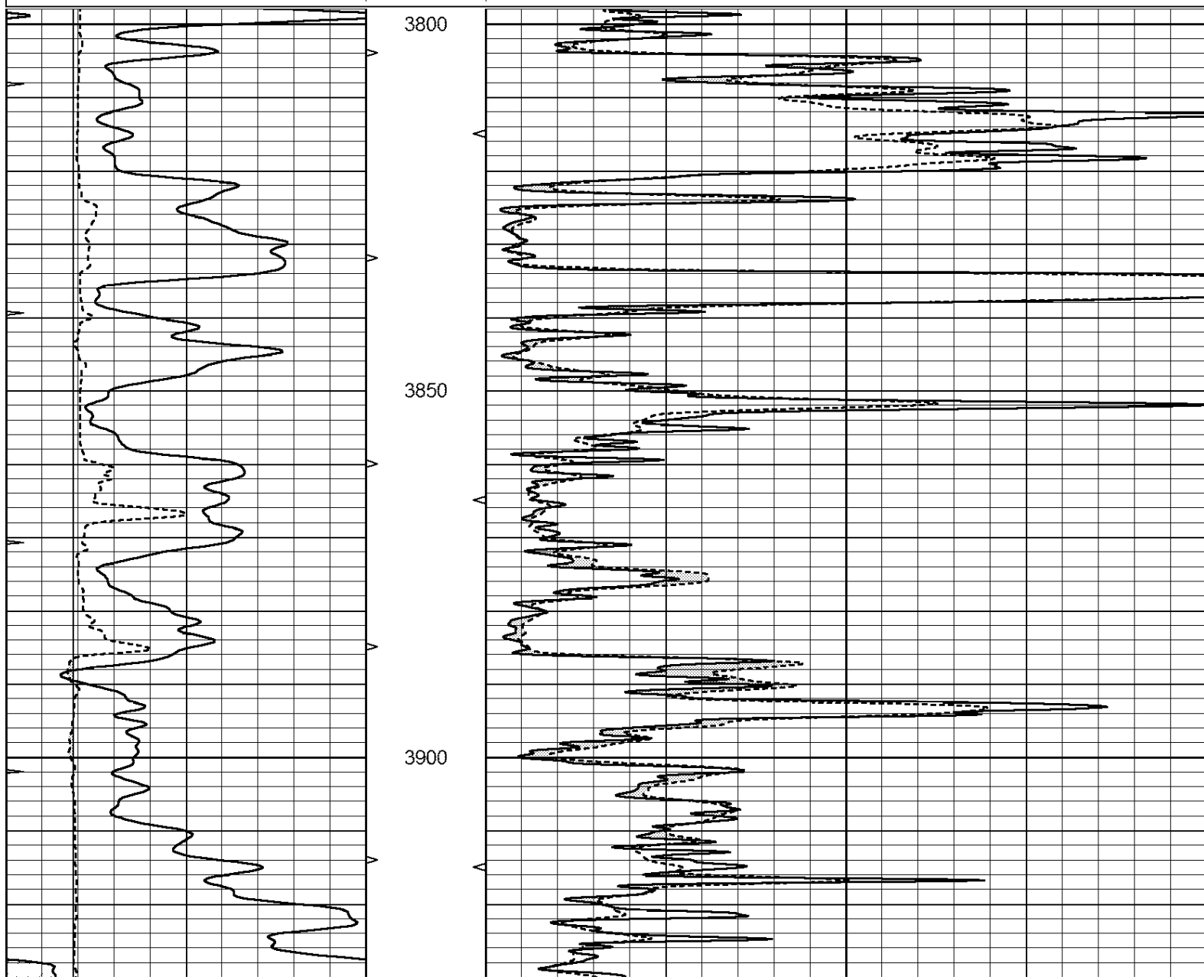


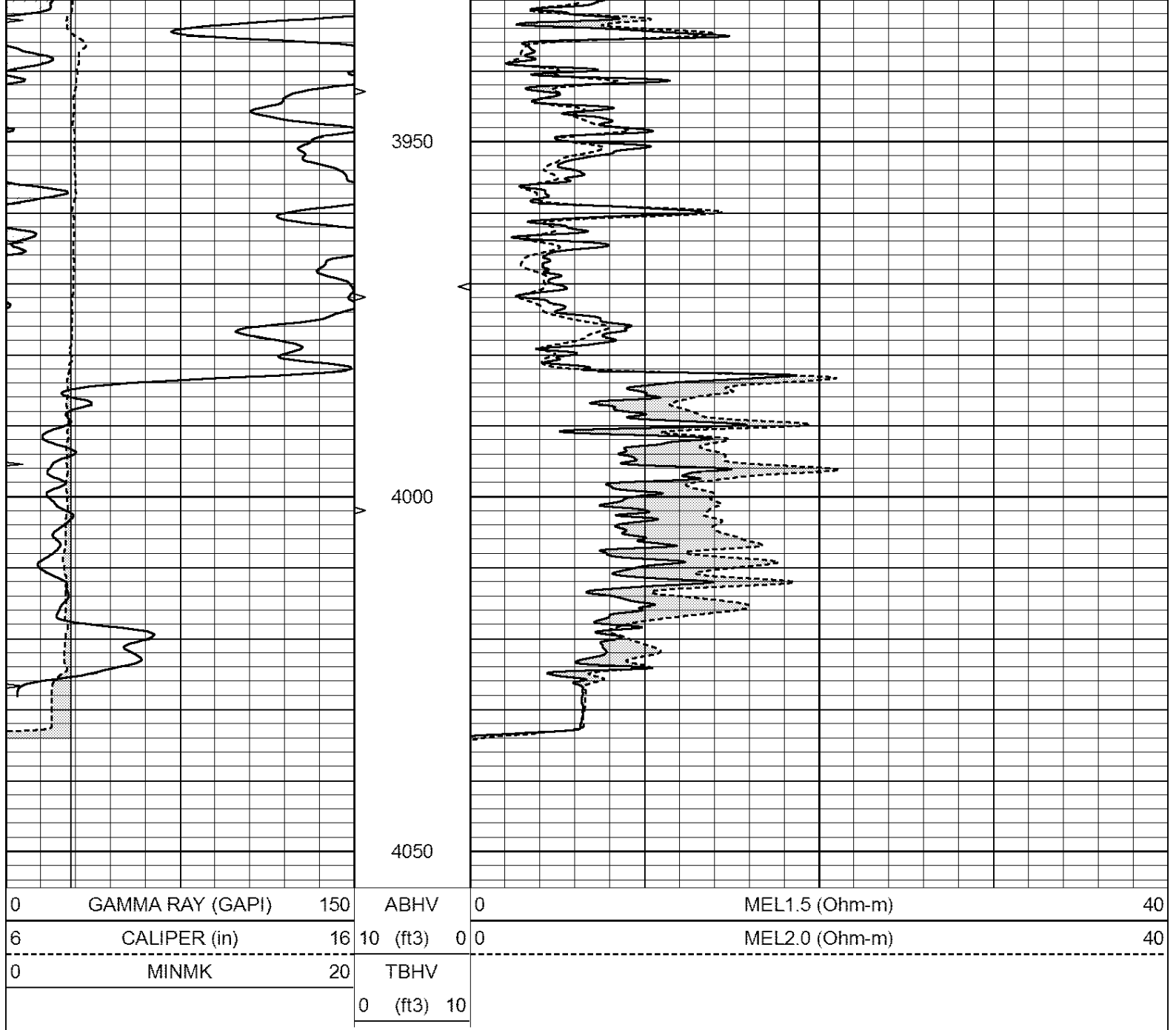
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REPEAT SECTION

Database File: 007474pe.db
Dataset Pathname: pass5.4
Presentation Format: micro
Dataset Creation: Fri Oct 28 11:55:27 2011 by Calc Open-Cased 110302
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:	007474pe.db		
Dataset Pathname:	pass6.4		
Dataset Creation:	Fri Oct 28 12:34:38 2011		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Fri Oct 28 10:52:02 2011		
Caliper Calibration:	Gain=3.695	Offset=3.524	
	Low Cal	High Cal	
References	7.700	14.000	
Readings	1.130	2.835	
1.5" Calibration:	Gain=40.000	Offset=0.500	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.005	1.010	

Readings	0.065	1.210
2" Calibration:	Gain=55.000	Offset=1.000
References	Low Cal	High Cal
	0.000	20.000
Readings	0.012	1.043

Gamma Ray Calibration Report

Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Fri Oct 28 11:43:16 2011	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	2.7000	GAPI/cps