



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	MAI OIL OPERATIONS, INC.		
Well	HOLLAND #2		
Field	TRAPP		
County	BARTON	State	KANSAS
Location:	API # : 15-009-25710-0000		Other Services CDL/CNL DIL
Permanent Datum	GROUND LEVEL		Elevation 1946
Log Measured From	2310' FNL & 1185' FWL E/2 - SE - SW - NW		
Drilling Measured From	SEC 21 TWP 16S RGE 13W KELLY BUSHING		Elevation K.B. 1954 D.F. 1952 G.L. 1946
Date	7/11/12		
Run Number	TWO		
Depth Driller	3460		
Depth Logger	3460		
Bottom Logged Interval	3458		
Top Log Interval	2700		
Casing Driller	8 5/8"@450'		
Casing Logger	405		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,000 PPM	
Density / Viscosity	9.4/47		
pH / Fluid Loss	11.0/1.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.500@90F		
Rmt @ Meas. Temp	.375@90F		
Rmc @ Meas. Temp	.600@90F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.405@111F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	3:30 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KURT TALBOTT	ALLEN BANGERT	BRENT HOMEIER

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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
SUSANK, KS. 1/2N. TO TANK BATTERY, E. INTO

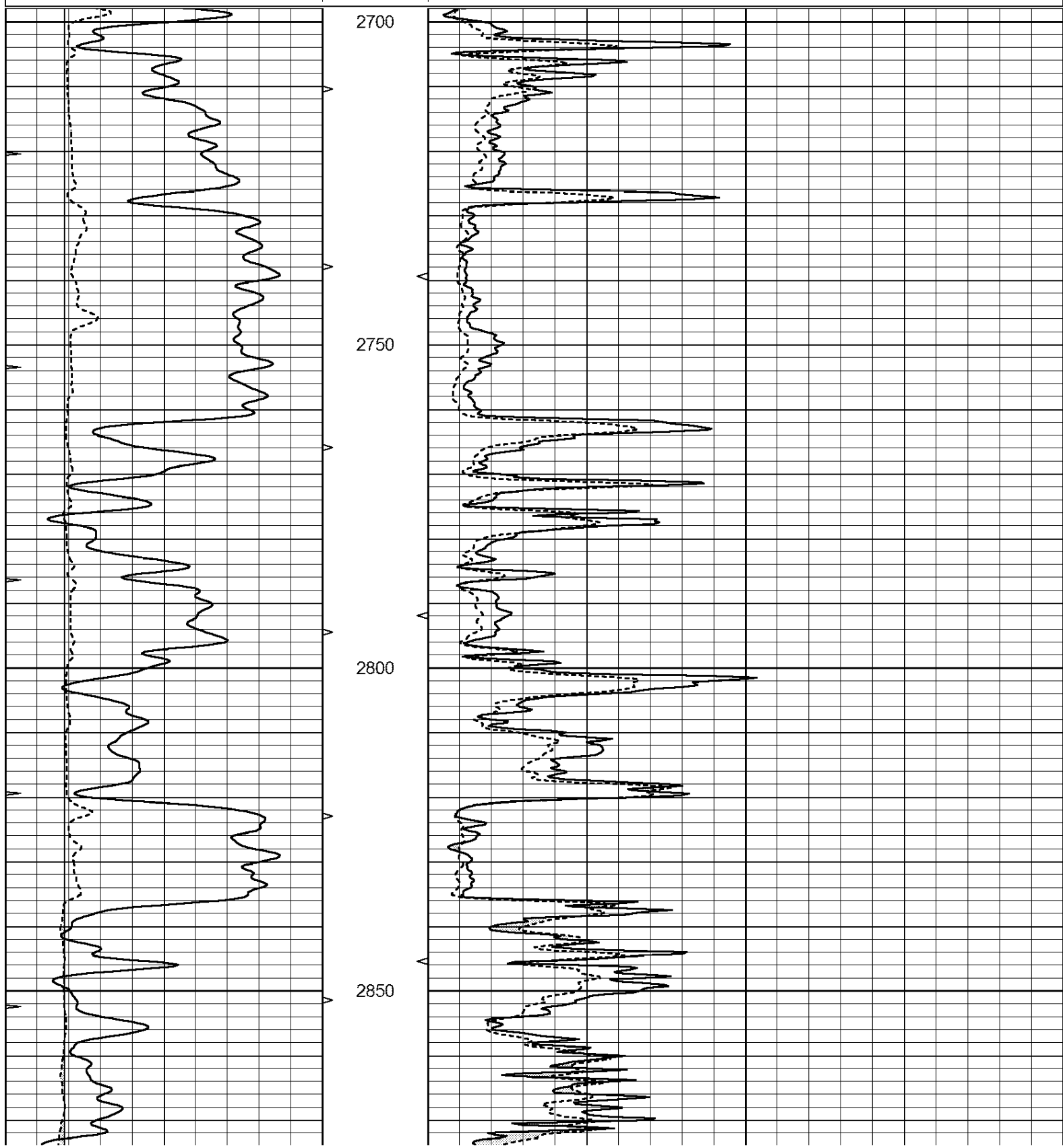


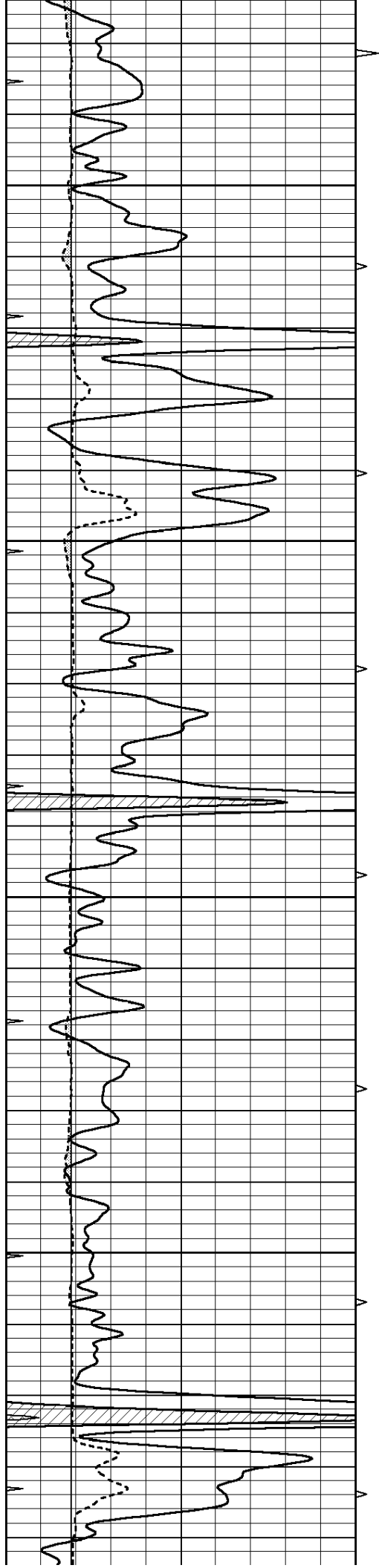
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MAIN SECTION

Database File: 409430ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: micro
 Dataset Creation: Wed Jul 11 18:03:46 2012 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		



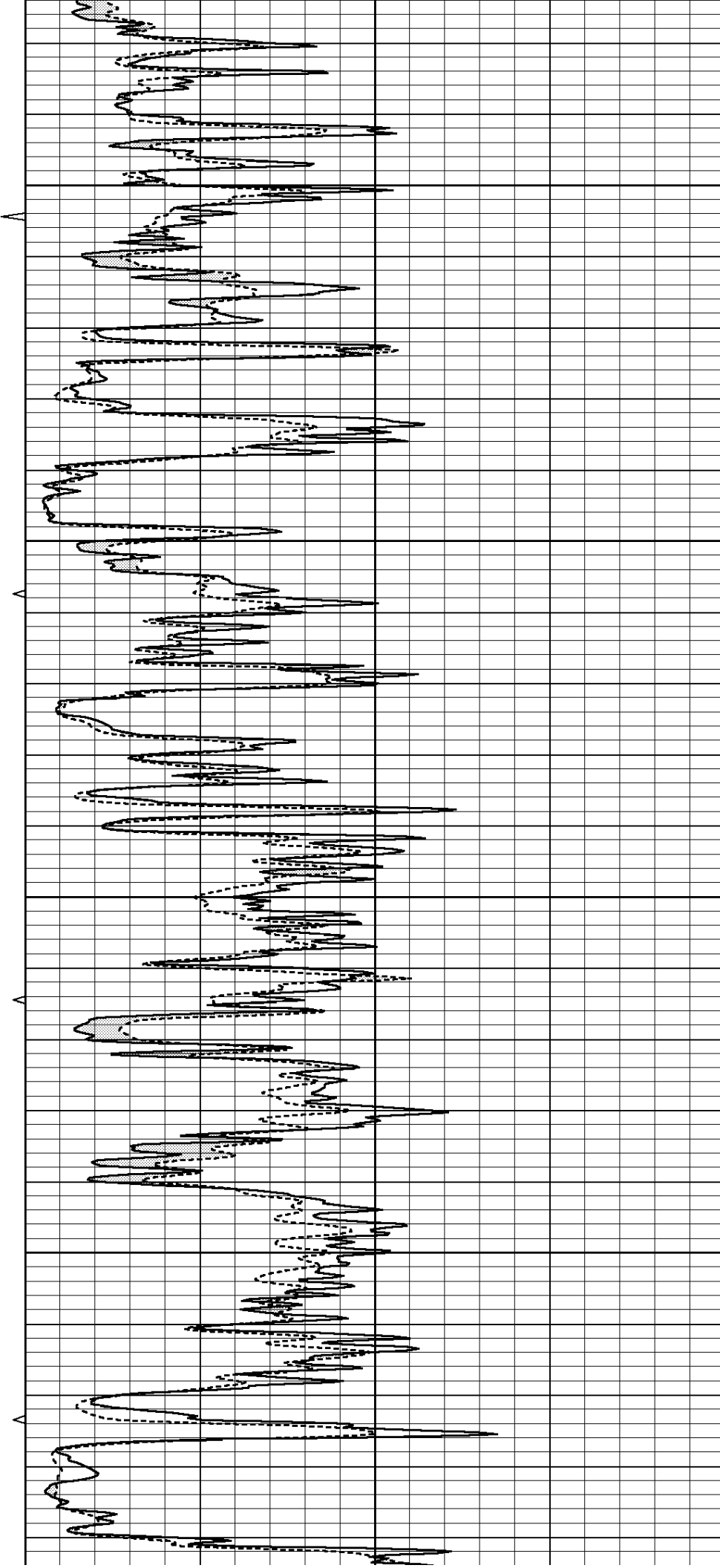


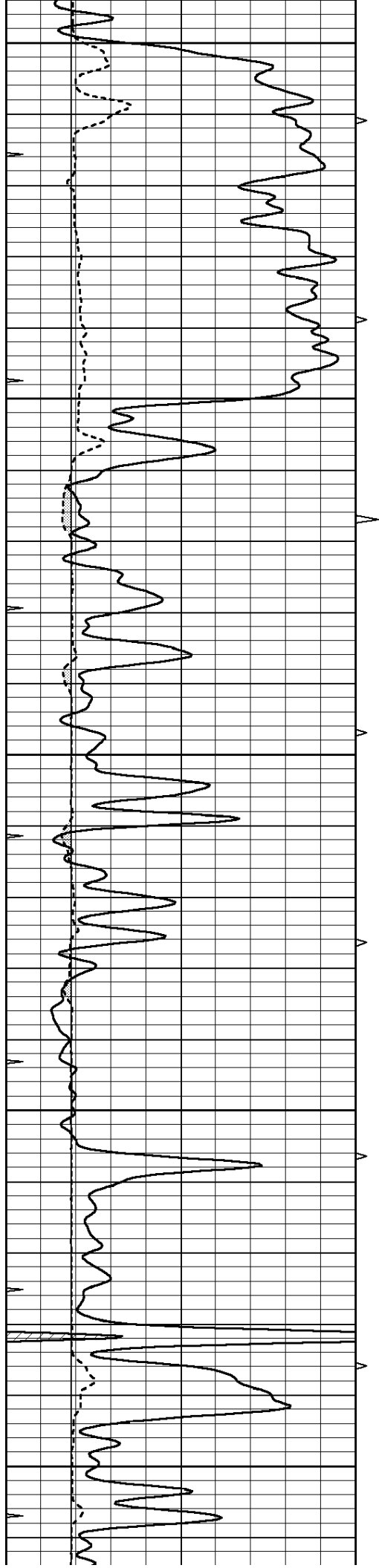
2900

2950

3000

3050





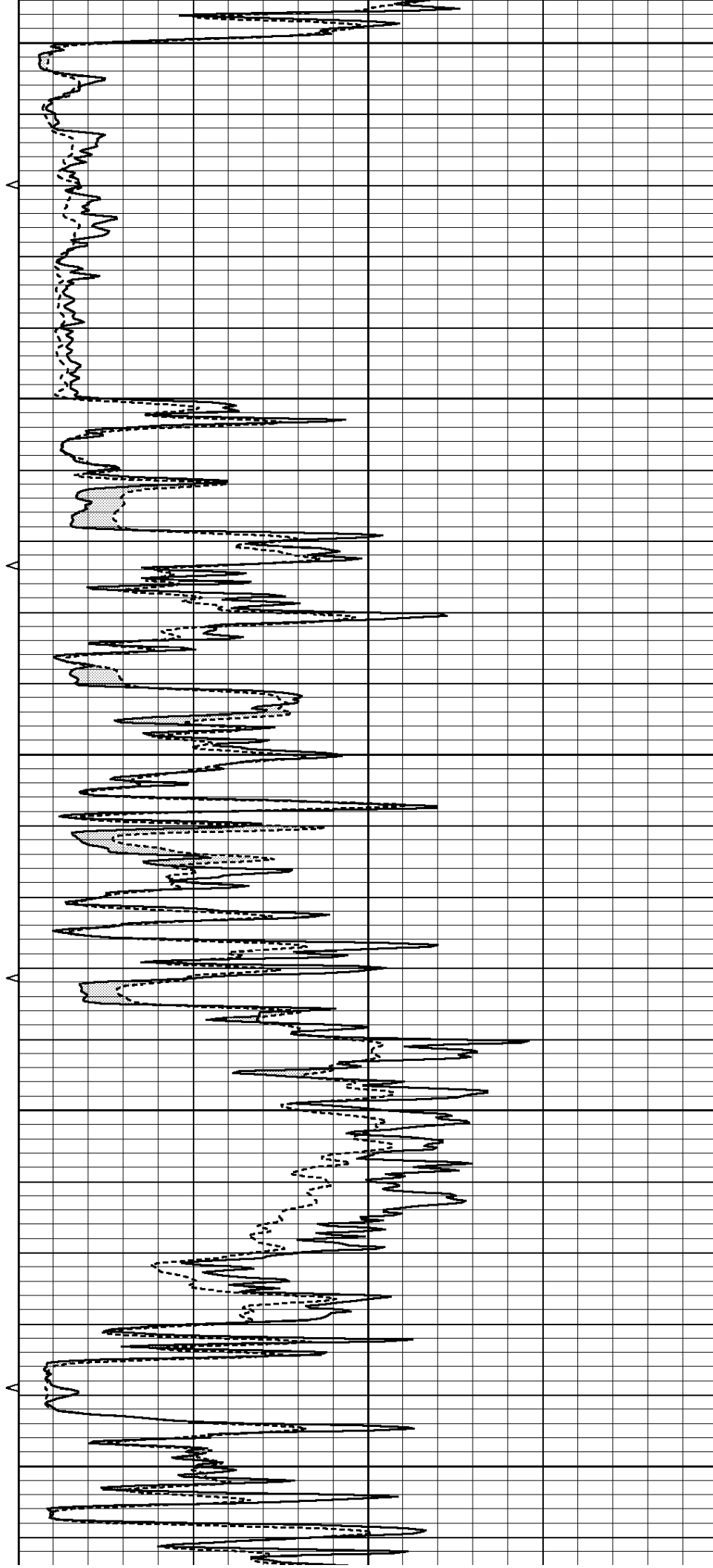
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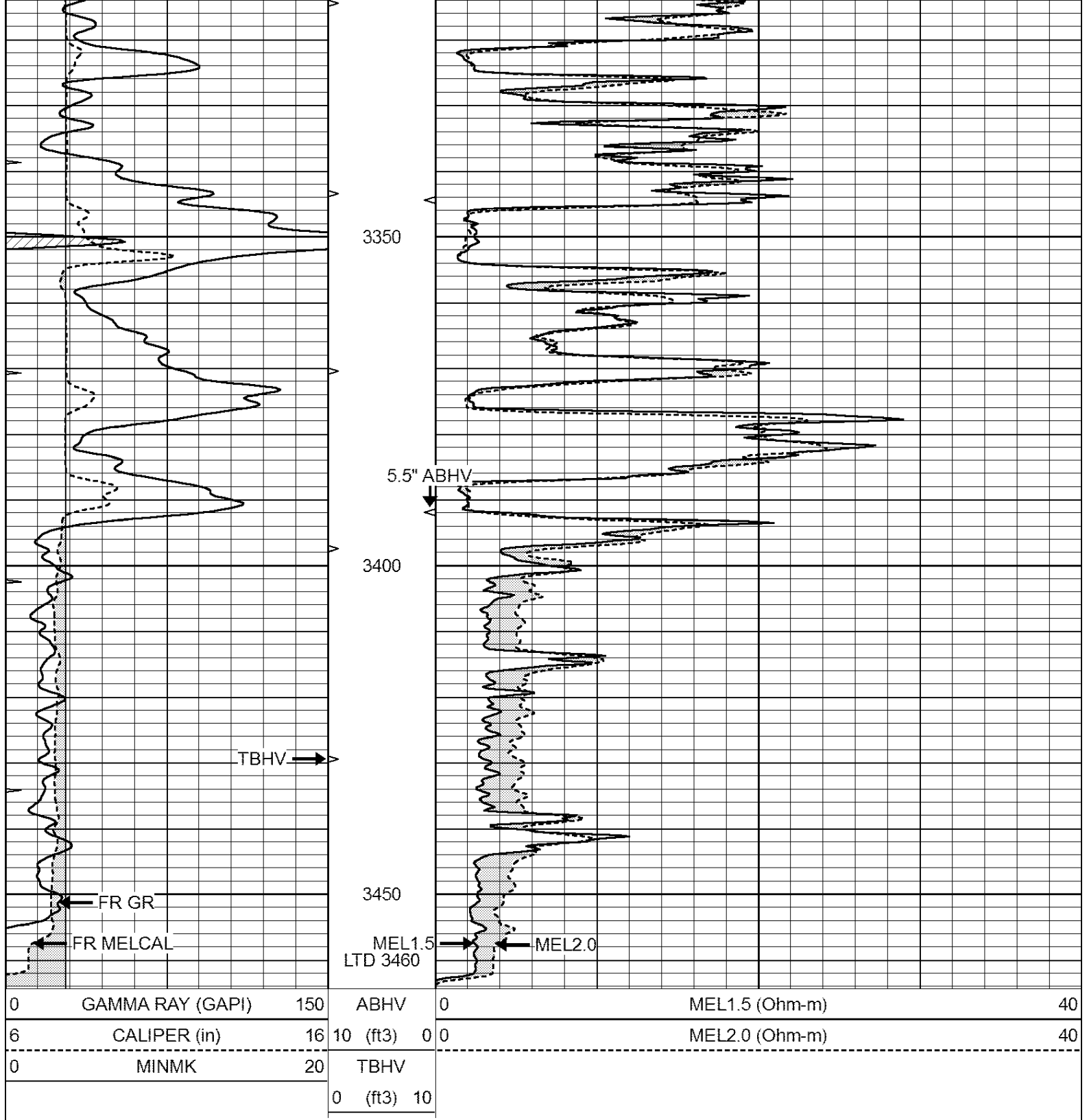
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3200

3250

3300





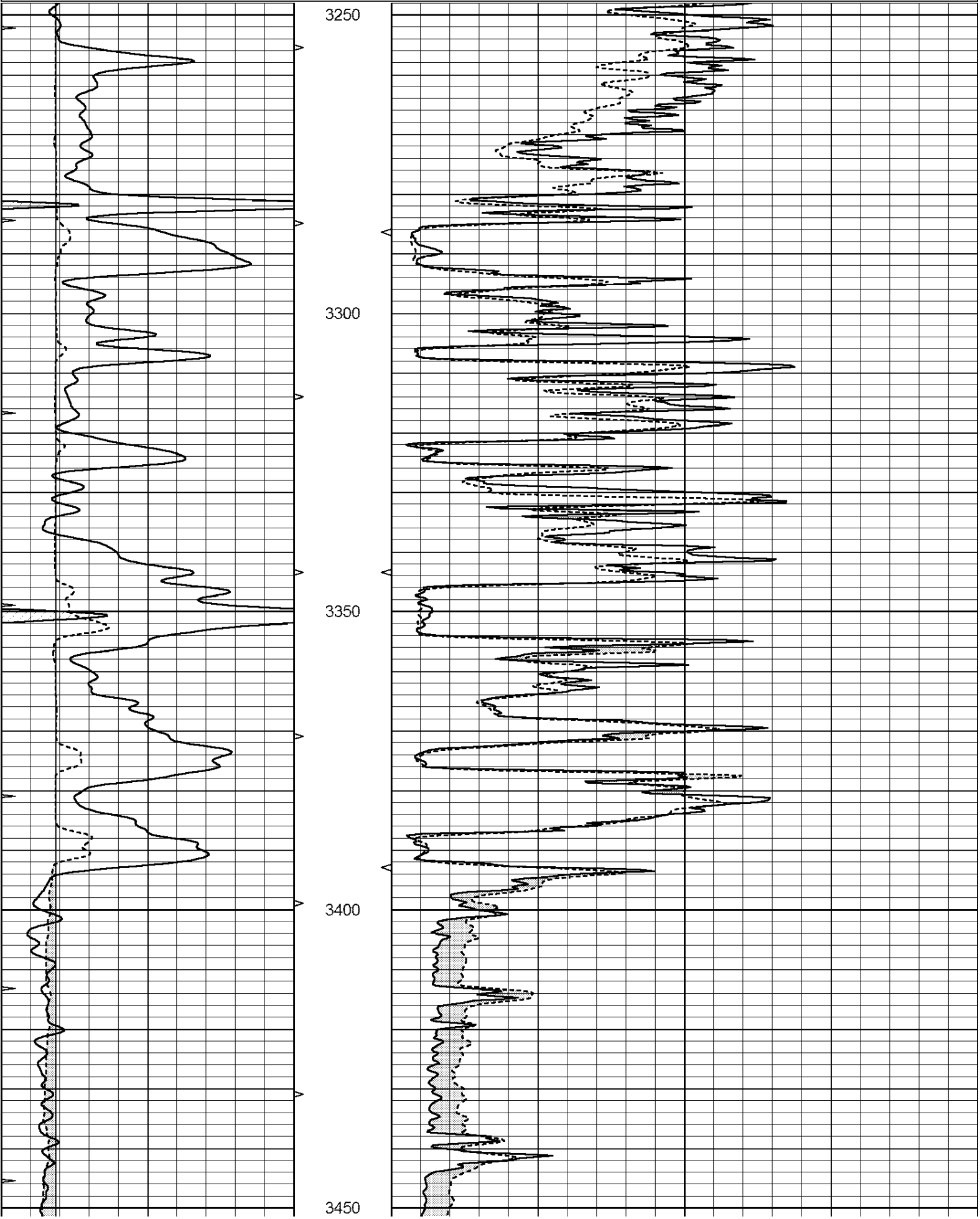
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REPEAT SECTION

Database File: 409430ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: micro
 Dataset Creation: Wed Jul 11 17:44:52 2012 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
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6	CALIPER (in)	16	10 (ft3)	0	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV				
			0 (ft3)	10			



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:	409430ddn.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Wed Jul 11 18:03:46 2012 by Calc Open-Cased 110302		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Wed Jul 11 17:15:04 2012		
Caliper Calibration:	Gain=3.988	Offset=3.692	
	Low Cal	High Cal	
References	8.200	15.000	
Readings	1.130	2.835	
1.5" Calibration:	Gain=22.000	Offset=0.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.065	1.210	
2" Calibration:	Gain=44.000	Offset=0.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.012	1.043	
Gamma Ray Calibration Report			
Serial Number:	GR4		
Tool Model:	OPEN		
Performed:	Wed Jul 11 17:04:56 2012		
Calibrator Value:	200.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	189.0	cps	
Sensitivity:	1.4000	GAPI/cps	