



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		PFEIFER EXPLORATIONS, LLC.	
Well	GROSS #1		
Field	WILDCAT		
County	ELLIS	State	KANSAS
Location:		API # : 15-051-26419-0000	
SEC 30 TWP 14S RGE 19W		CDL/CNL DIL	
Permanent Datum	GROUND LEVEL	Elevation	2125
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B. 2134	
Drilling Measured From	KELLY BUSHING	D.F. 2132	
		G.L. 2125	
Date	11/12/12		
Run Number	TWO		
Depth Driller	3820		
Depth Logger	3822		
Bottom Logged Interval	3820		
Top Log Interval	3000		
Casing Driller	8 5/8"@230'		
Casing Logger	220		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9,000 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.500@85F		
Rmf @ Meas. Temp	.375@85F		
Rmc @ Meas. Temp	.600@85F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.373@114F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	12:00 P.M.		
Maximum Recorded Temperature	114F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	DUANE STECKLEIN	JAY PFEIFER	

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
HAYS, KS., W. ON GOLF COURSE RD. TO "RD. 170", 3 1/2S., W. INTO



NABORS
COMPLETION
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MAIN SECTION

Database File:

010011ddn.db

Dataset Pathname:

pass6.3

Presentation Format:

micro

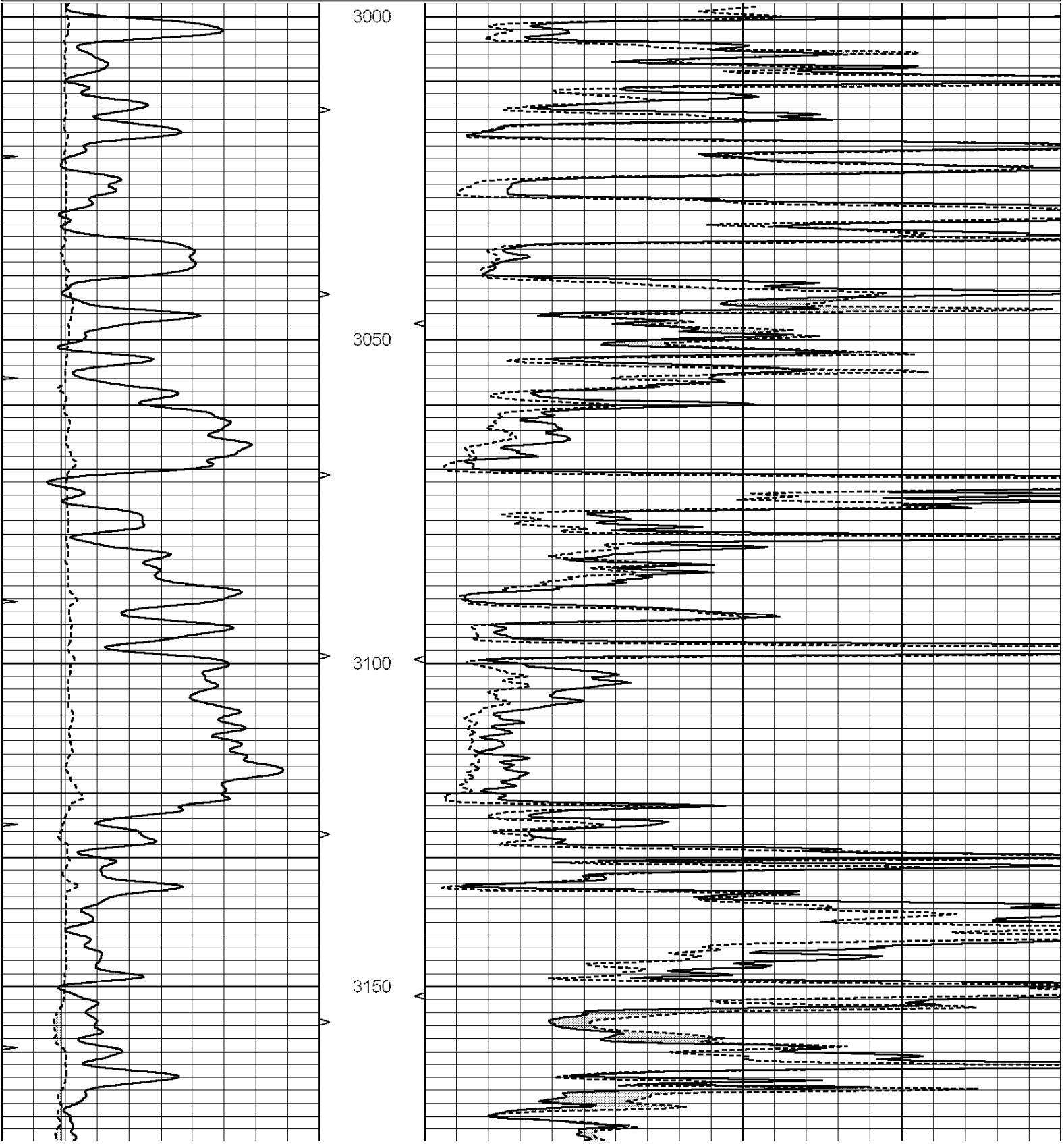
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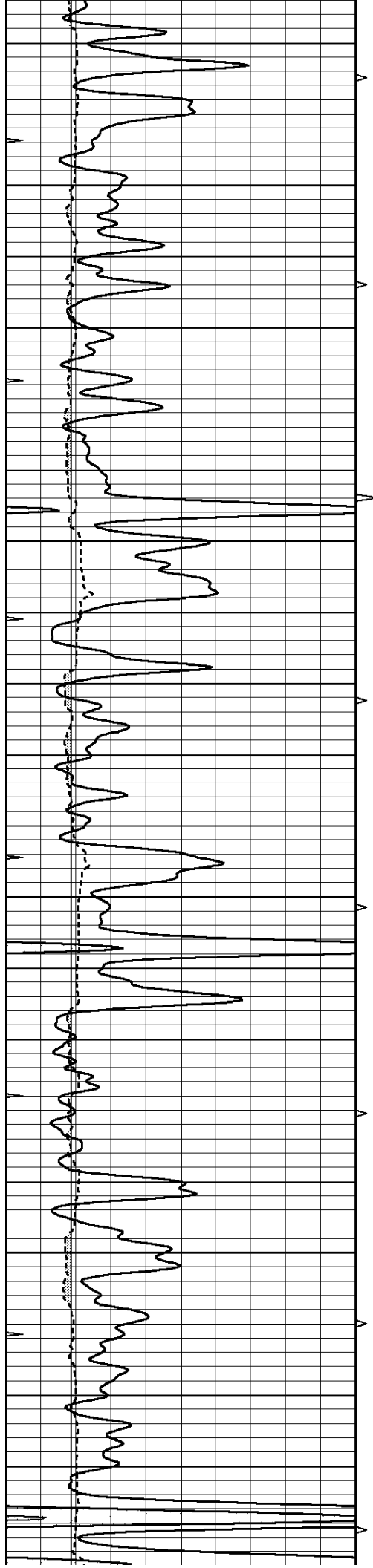
Mon Nov 12 15:05:48 2012

Charted by:

Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		



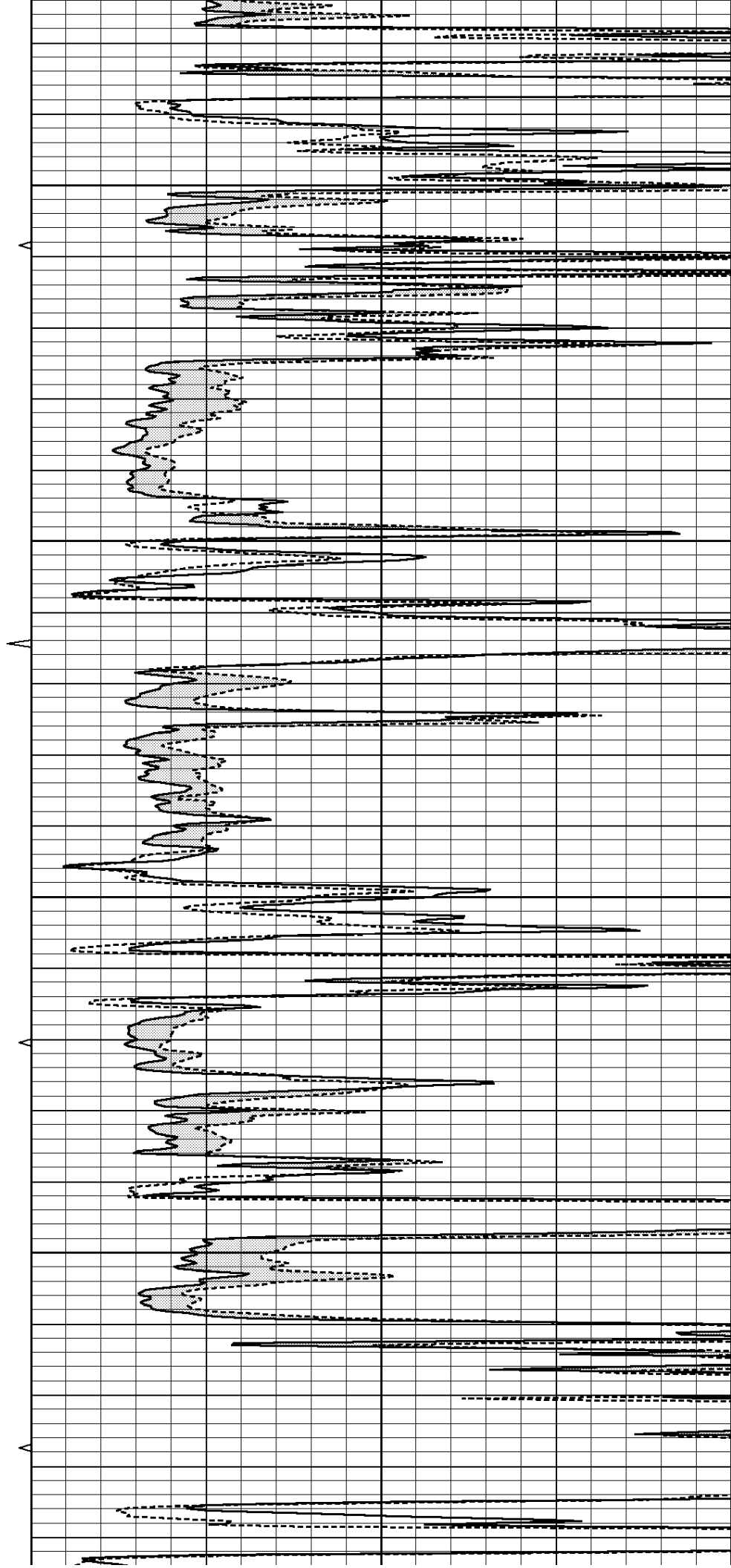


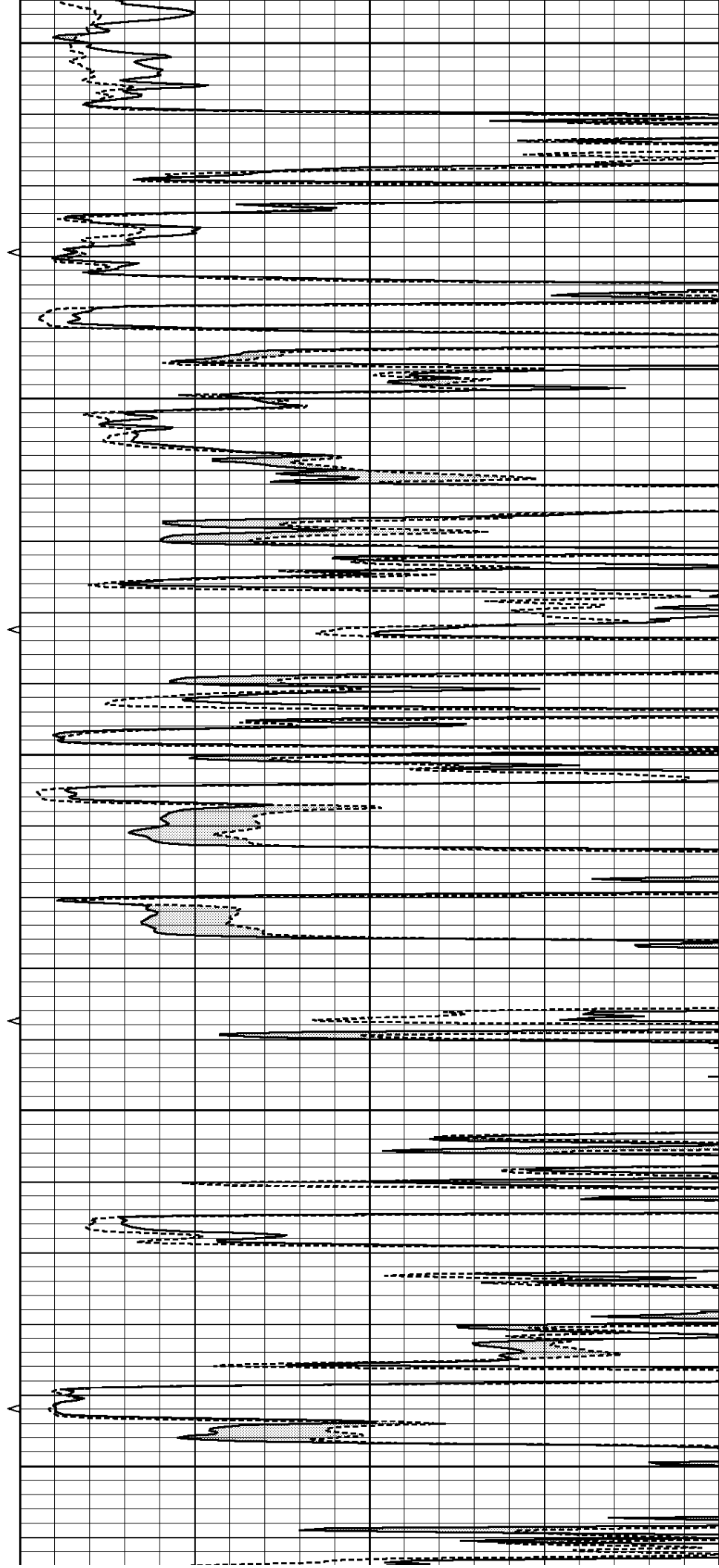
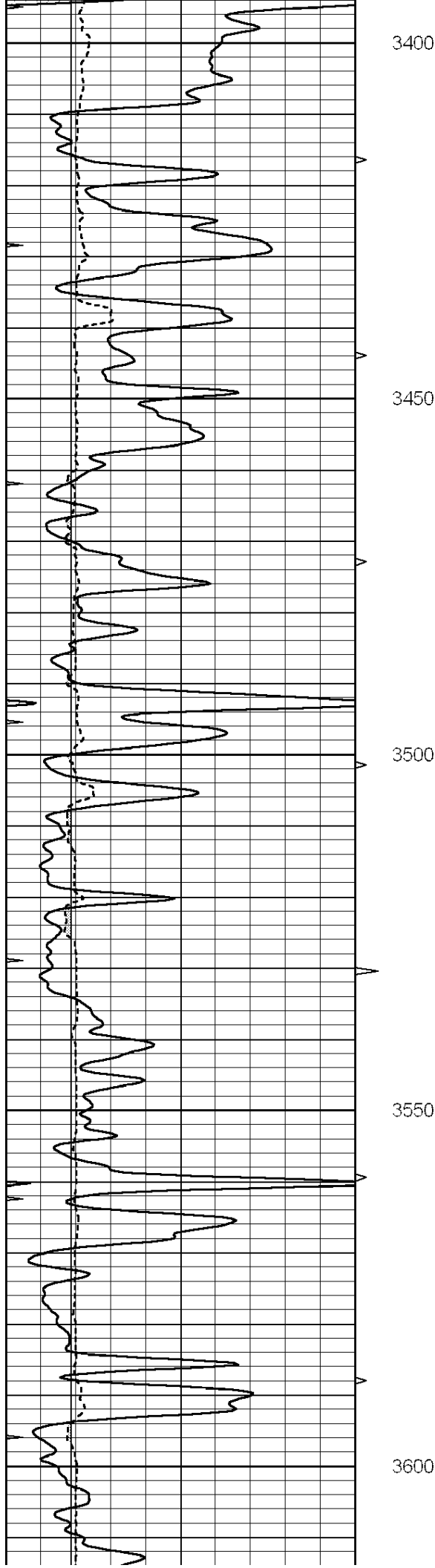
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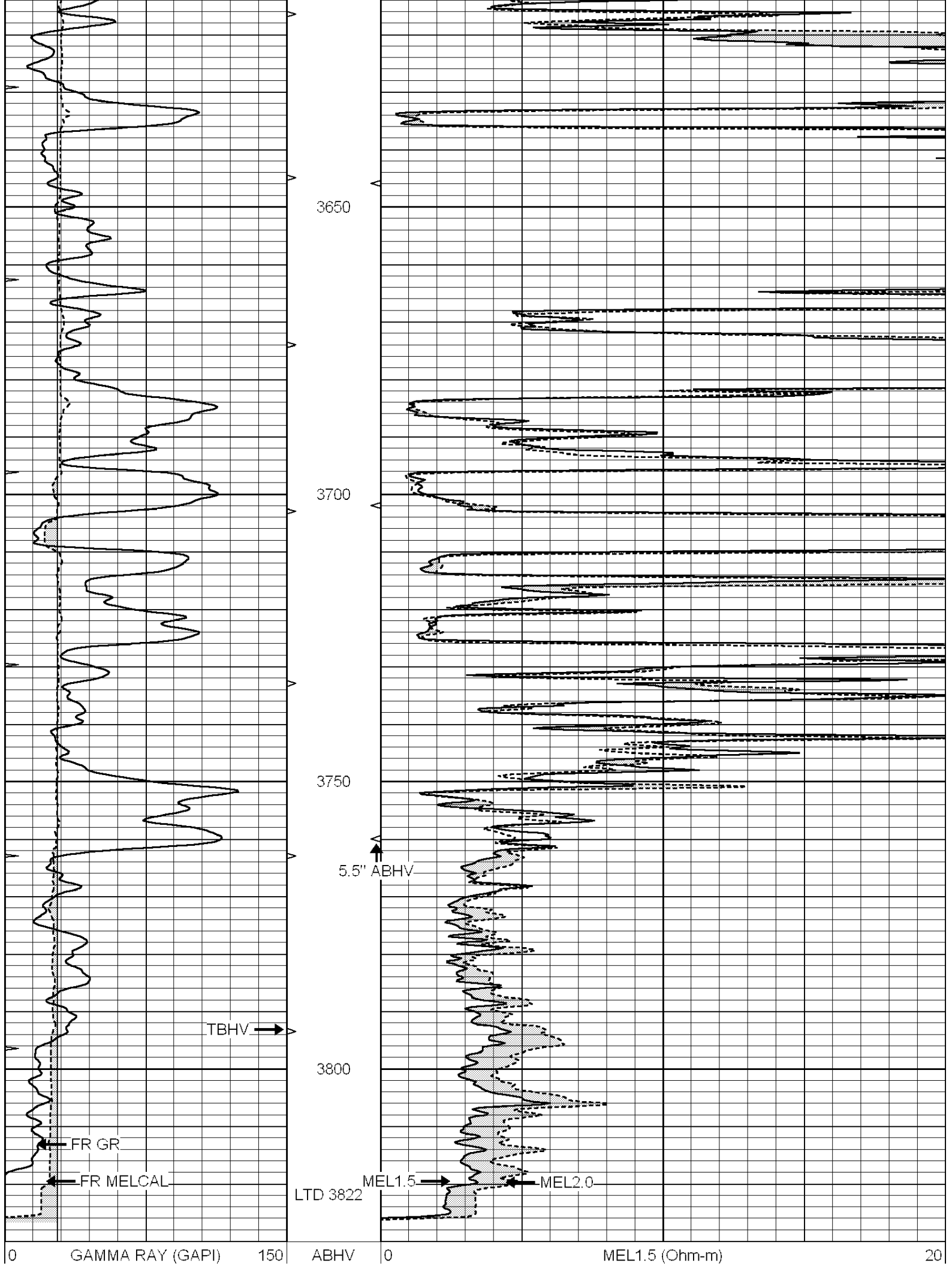
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3300

3350







6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		

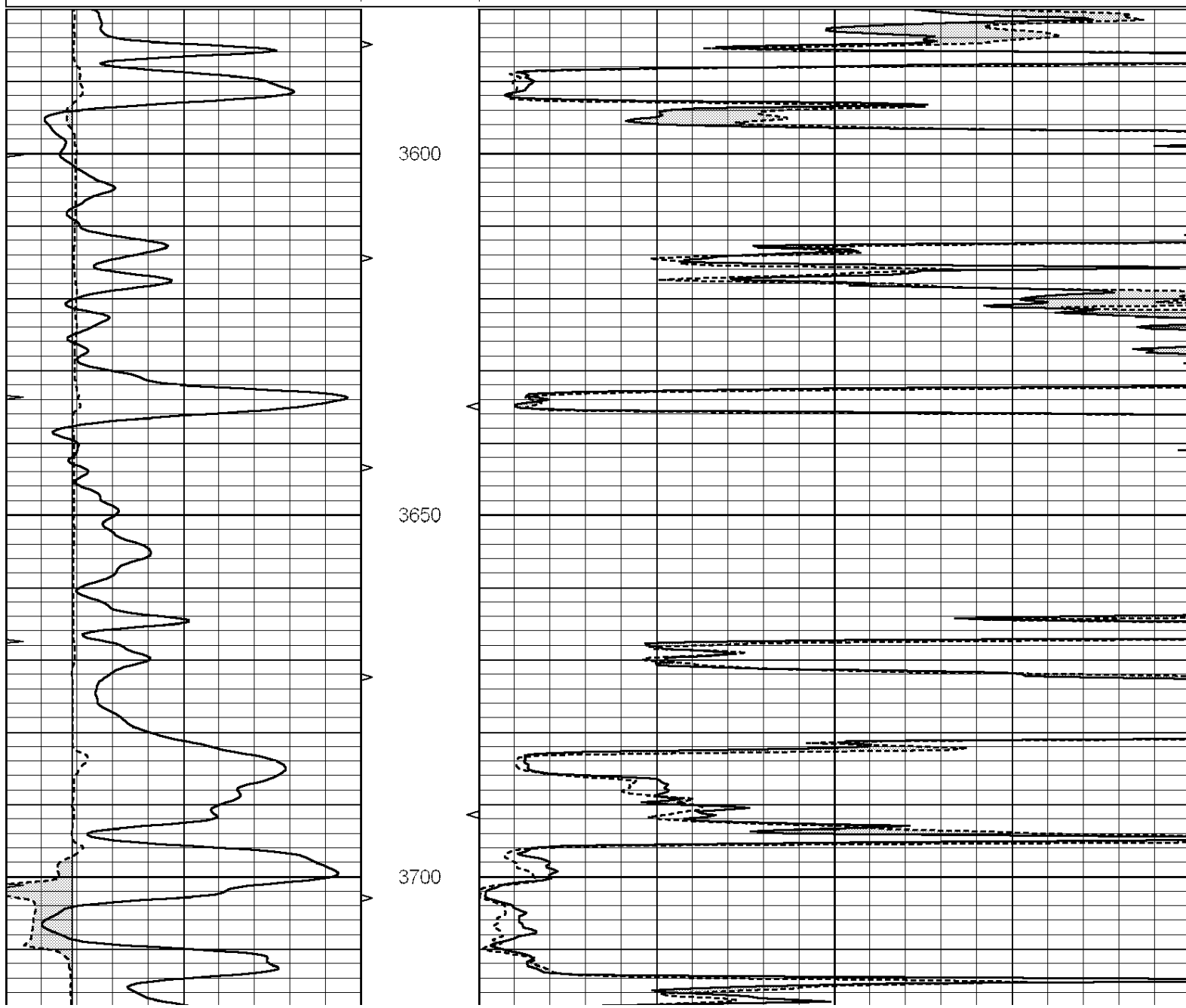


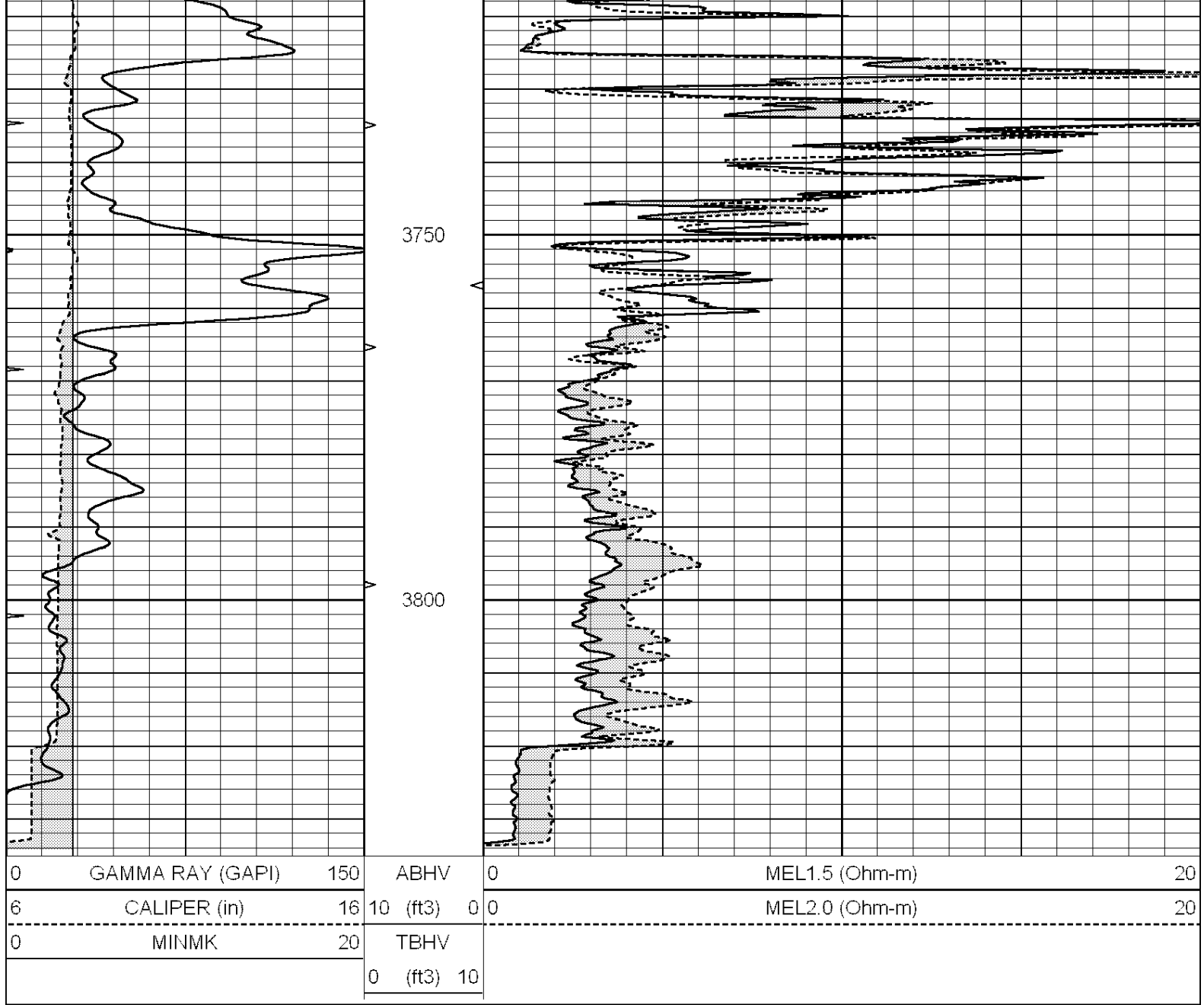
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REPEAT SECTION

Database File: 010011ddn.db
Dataset Pathname: pass5.4
Presentation Format: micro
Dataset Creation: Mon Nov 12 14:23:23 2012 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	010011ddn.db		
Dataset Pathname:	pass6.3		
Dataset Creation:	Mon Nov 12 15:05:48 2012		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Mon Nov 12 13:35:11 2012		
Caliper Calibration:	Gain=3.929	Offset=3.858	
	Low Cal	High Cal	
References	8.300	15.000	
Readings	1.130	2.835	
1.5" Calibration:	Gain=25.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.065	1.210	
2" Calibration:	Gain=40.000	Offset=-1.300	

References	Low Cal	High Cal
Readings	0.000	20.000
	0.012	1.043
Gamma Ray Calibration Report		
Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Mon Nov 12 14:12:55 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.3000	GAPI/cps