



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		RED OAK ENERGY, INC.	
Well		PERSINGER FARMS #1-1	
Field		NORTON	
County		NORTON	
State		KANSAS	
Company		RED OAK ENERGY, INC.	
Well		PERSINGER FARMS #1-1	
Field		NORTON	
County		NORTON	
State		KANSAS	
Location:		API # : 15-137-20653-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 1 TWP 4S RGE 24W		Elevation	
330' FNL & 2220' FWL		CDL/CNL	
		DIL	
Date		5/22/13	
Run Number		TWO	
Depth Driller		3875	
Depth Logger		3874	
Bottom Logged Interval		3872	
Top Log Interval		3200	
Casing Driller		8 5/8"@305'	
Casing Logger		304	
Bit Size		7 7/8"	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.4/50	
pH / Fluid Loss		10.5/7.2	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		1.50@78F	
Rmf @ Meas. Temp		1.13@78F	
Rmc @ Meas. Temp		1.80@78F	
Source of Rmf / Rmc		MEASUREMENT	
Rim @ BHT		1.02@115F	
Time Circulation Stopped		3.5 HOURS	
Time Logger on Bottom		11:30 A.M.	
Maximum Recorded Temperature		115F	
Equipment Number		4854	
Location		HAYS, KANSAS	
Recorded By		JEFF LUEBBERS	
Witnessed By		PAT DEENIHAN	

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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
NORTON, KS. 4S. ON HWY 283 TO "RD. S", 4 1/4W., S. INTO



NABORS

**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

010912ddn.db

Dataset Pathname:

pass6.2

Presentation Format:

micro

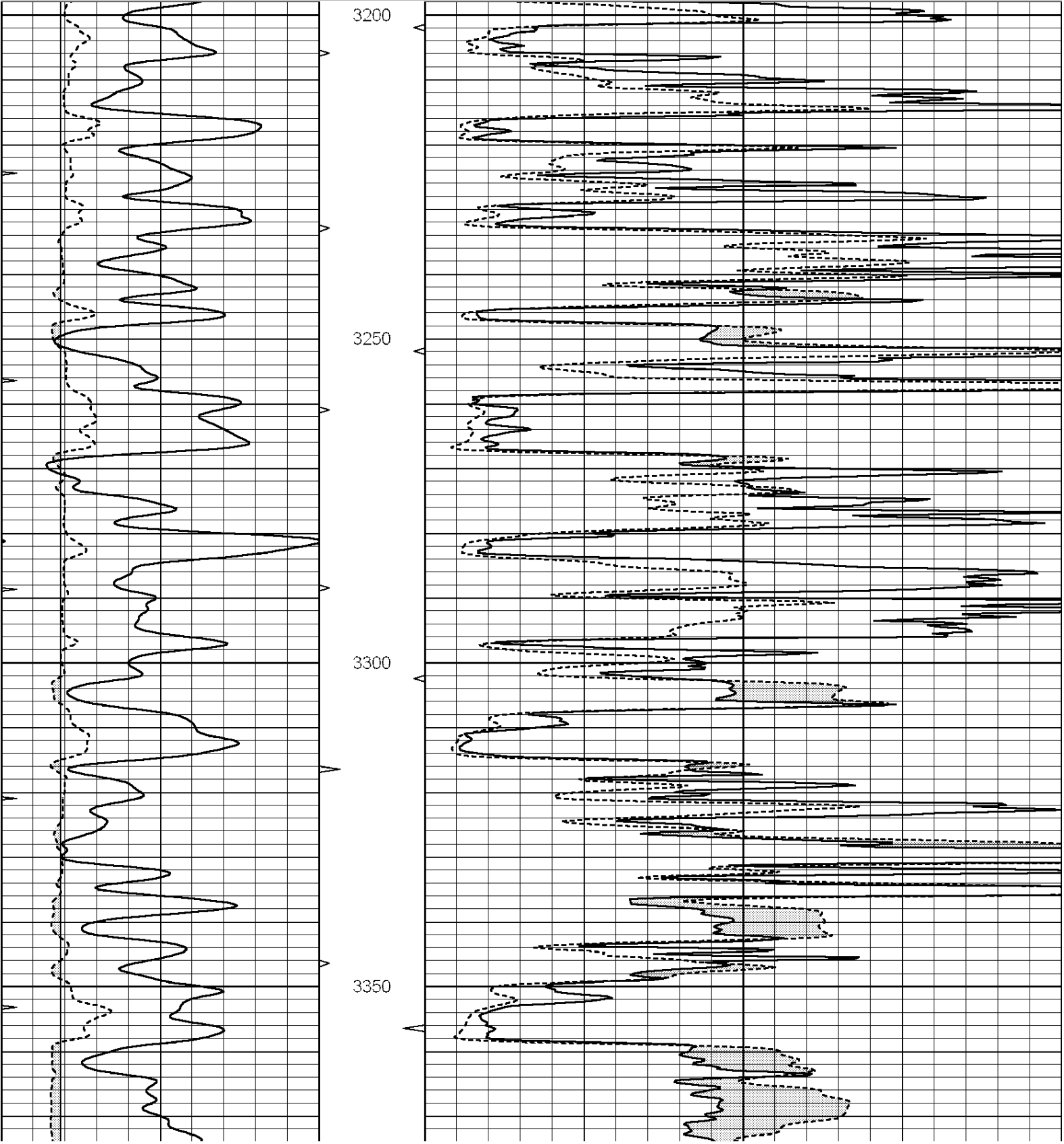
Dataset Creation:

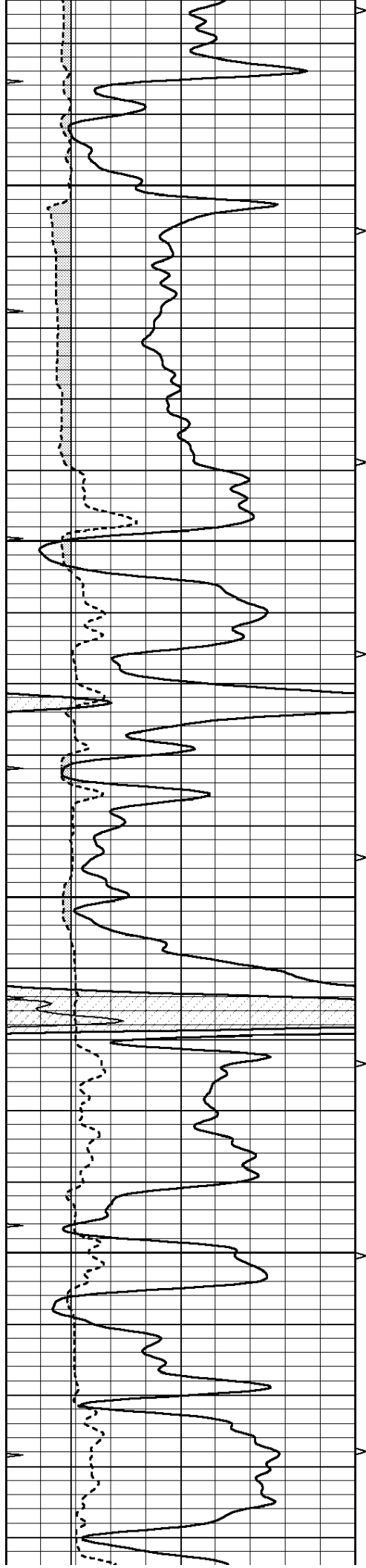
Wed May 22 13:51:24 2013 by Calc SOC 120430

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		



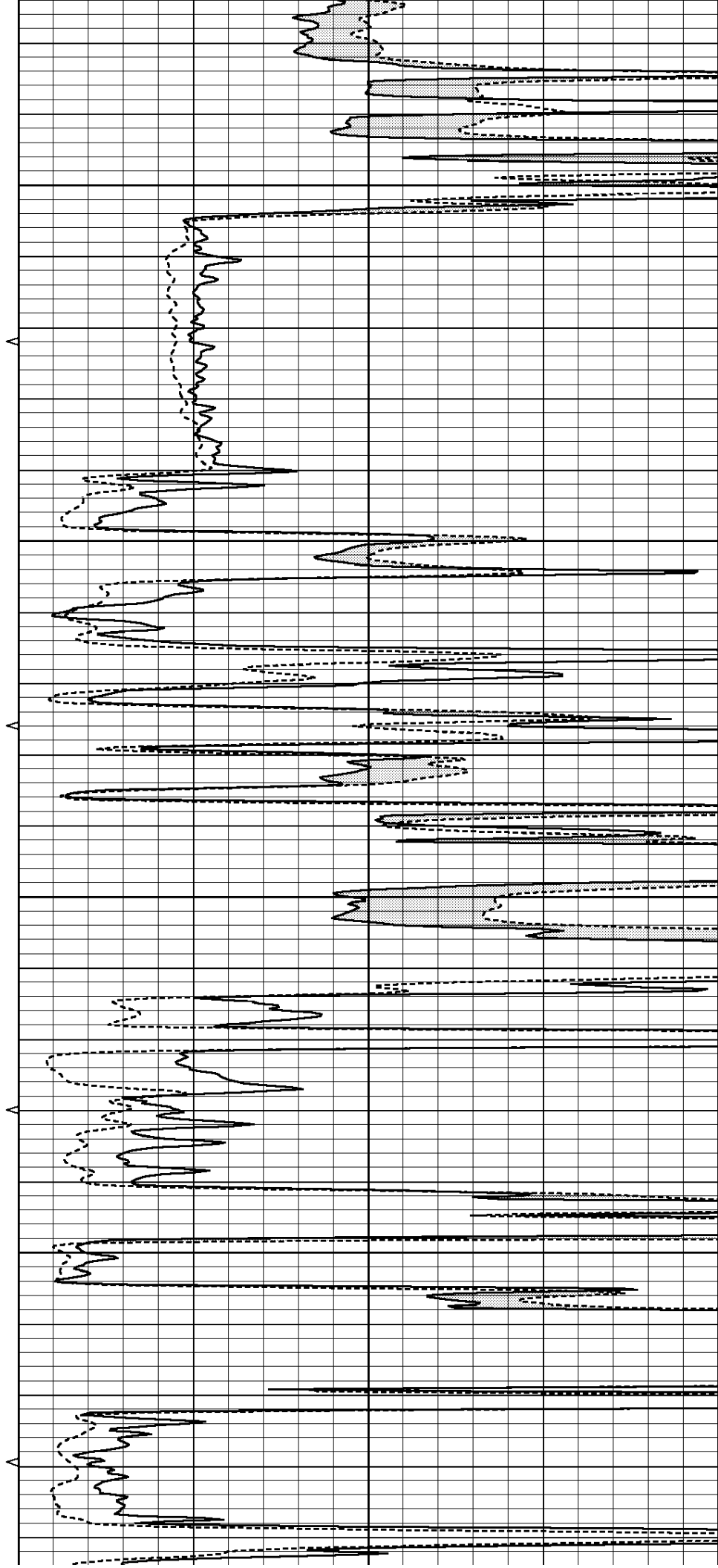


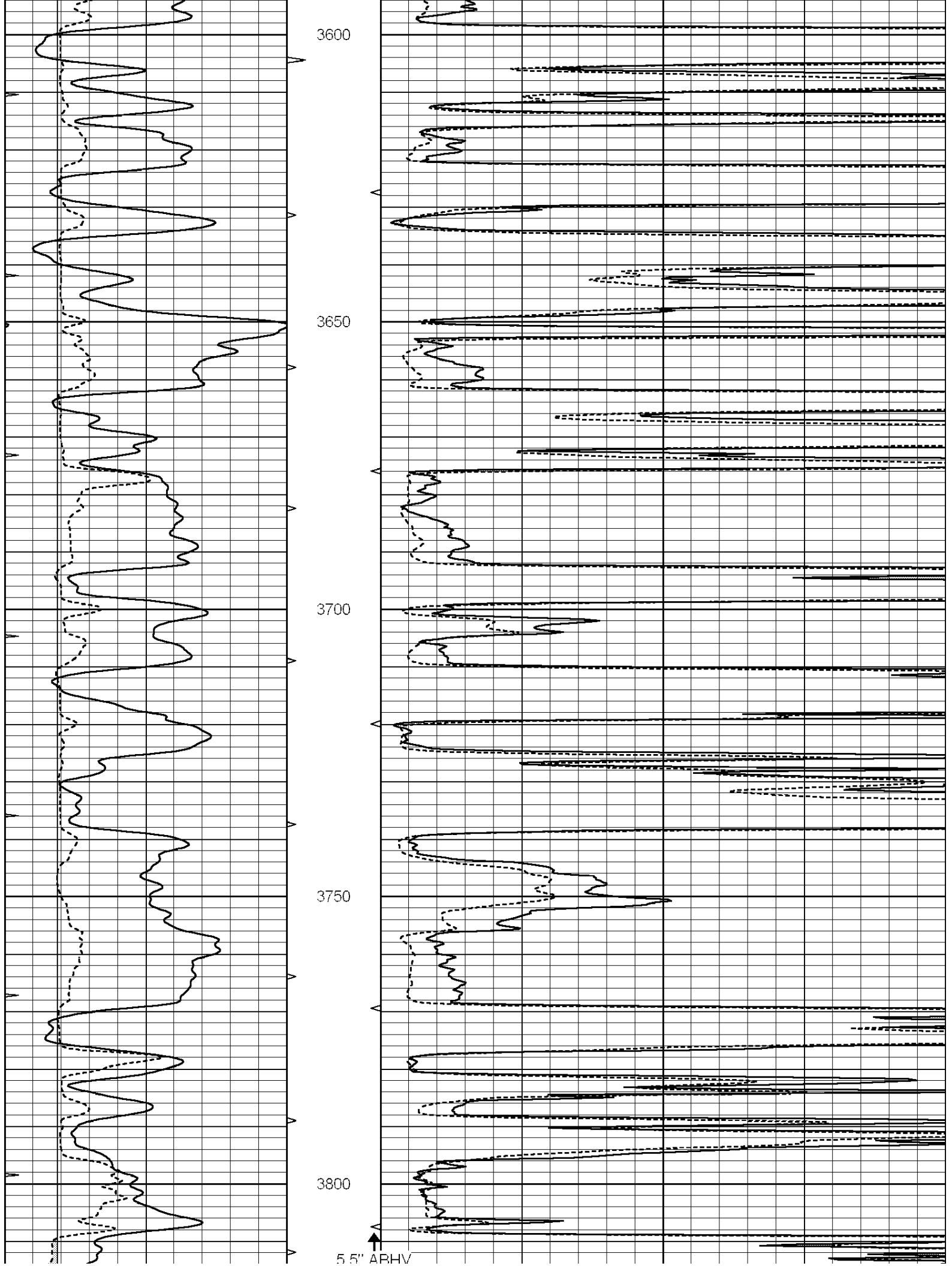
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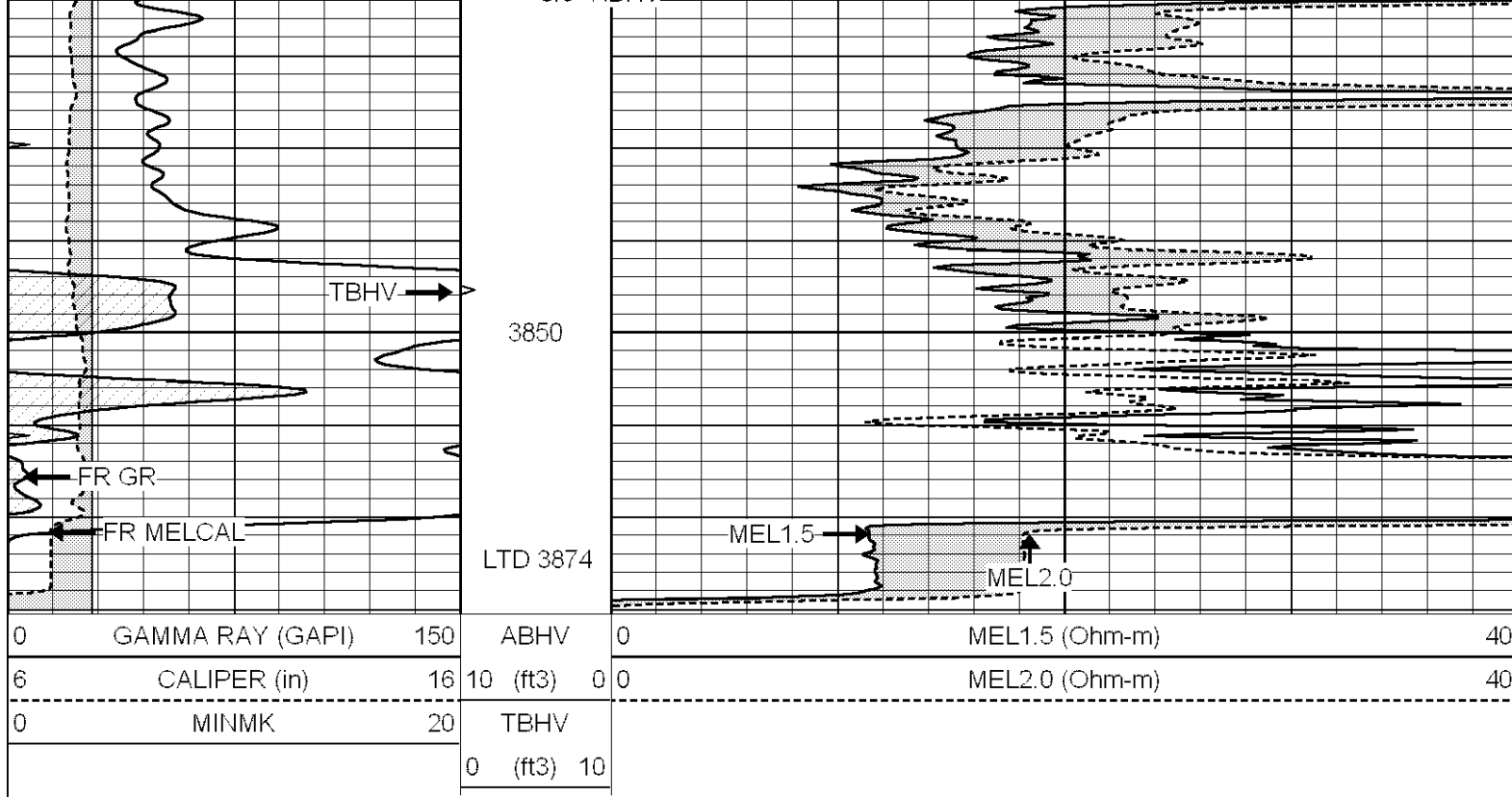
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3500

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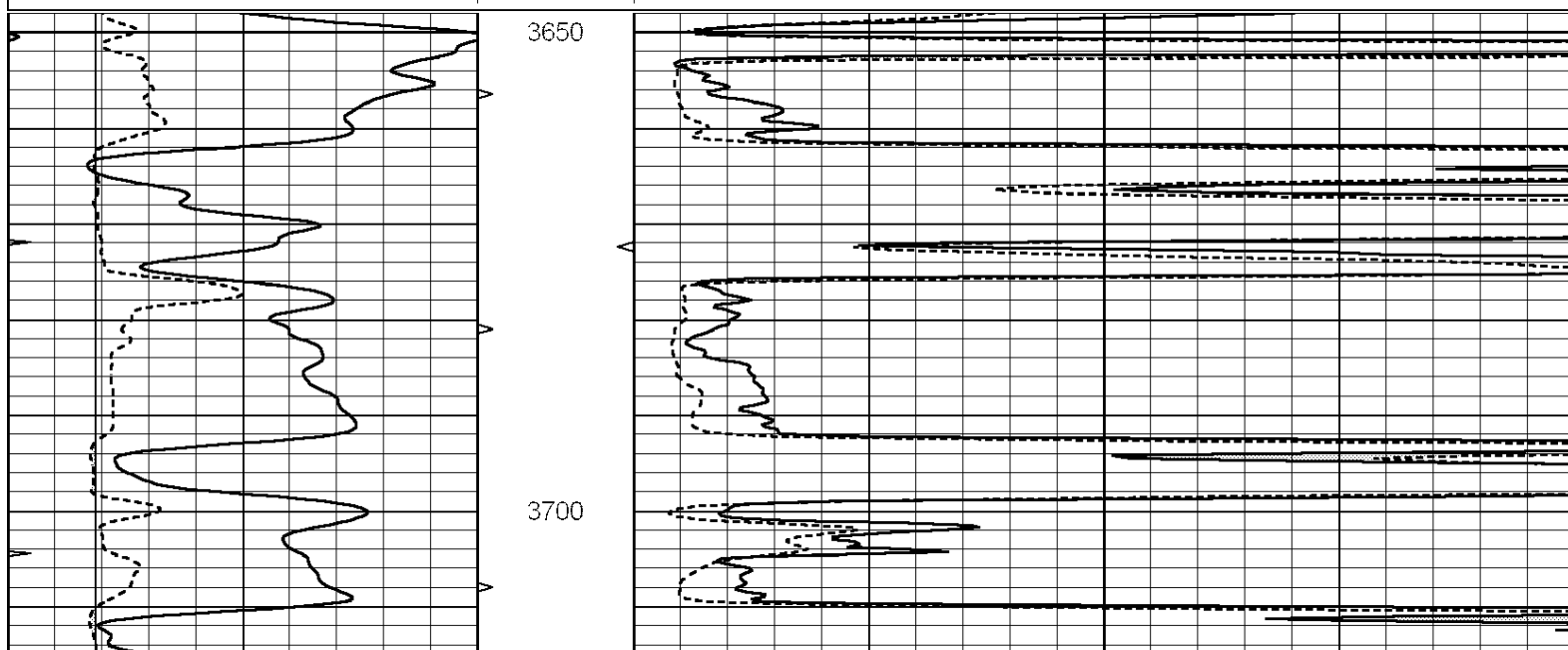


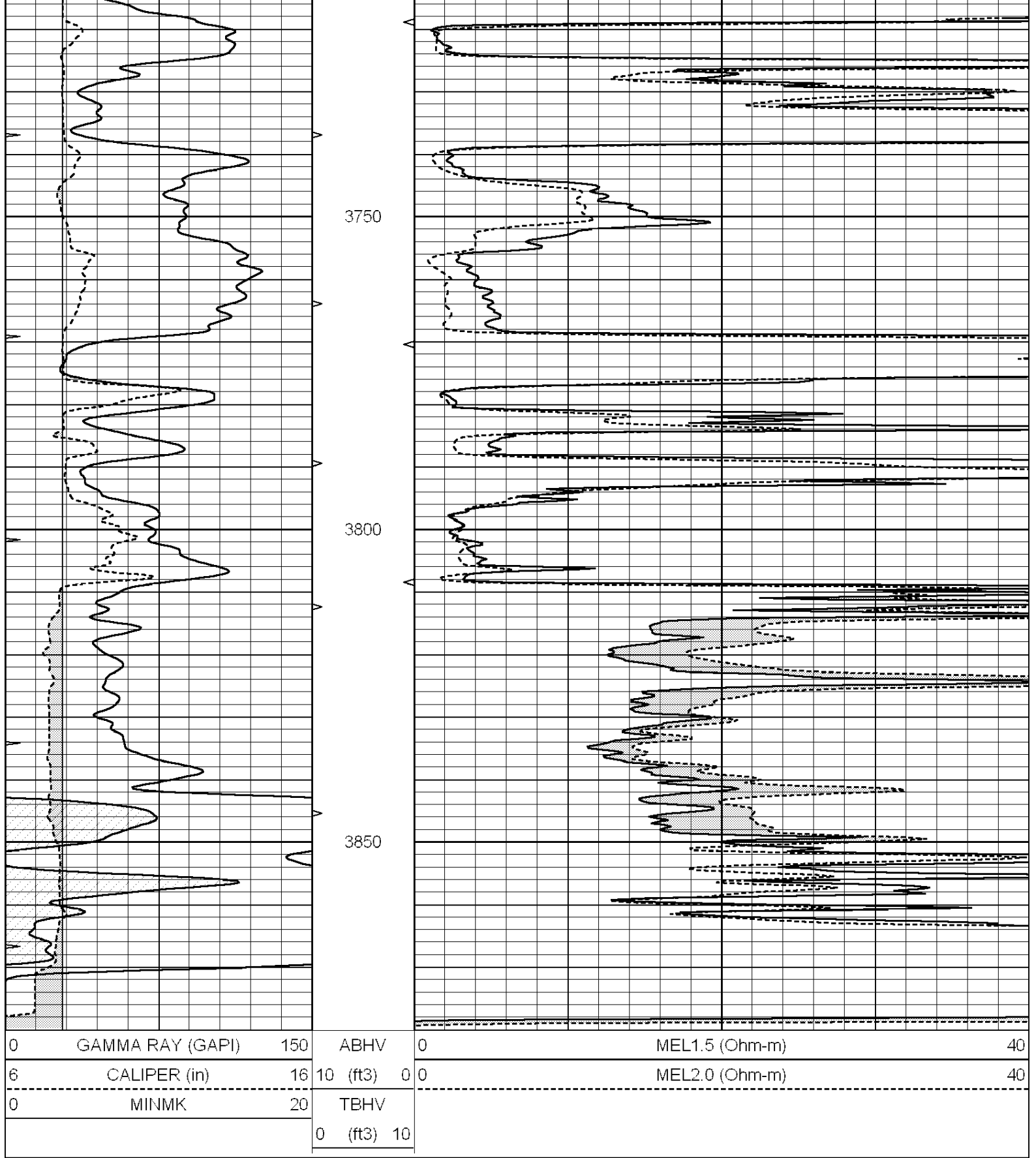


REPEAT SECTION

Database File: 010912ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: micro
 Dataset Creation: Wed May 22 13:35:37 2013 by Calc SOC 120430
 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: 010912ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Wed May 22 13:51:24 2013 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 2
Tool Model: PROBE

Performed:	Sat Apr 20 17:03:12 2013	
Caliper Calibration:	Gain=6.521	Offset=-3.991
References	Low Cal 7.300	High Cal 16.000
Readings	1.731	3.065
1.5" Calibration:	Gain=48.000	Offset=-3.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.015	0.458
2" Calibration:	Gain=52.000	Offset=-1.300
References	Low Cal 0.000	High Cal 20.000
Readings	0.003	0.384
Gamma Ray Calibration Report		
Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Wed May 22 13:07:09 2013	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.1000	GAPI/cps