



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company Well Field County State		MAI OIL OPERATIONS, INC. KENNEDY - DOPKINS UNIT #1 CARROLL BARTON KANSAS	
Company Well Field County State		MAI OIL OPERATIONS, INC. KENNEDY - DOPKINS UNIT #1 CARROLL BARTON KANSAS	
Location: Permanent Datum Log Measured From Drilling Measured From		API # : 15-009-25816-0000 820' FSL & 2365' FWL SE - NE - SE - SW SEC 20 TWP 17S RGE 14W GROUND LEVEL KELLY BUSHING 8' A.G.L. KELLY BUSHING	
		Other Services CDL/CNL DIL	
		Elevation K.B. 1874 D.F. 1872 G.L. 1866	
Date	4/7/13		
Run Number	TWO		
Depth Driller	3265		
Depth Logger	3263		
Bottom Logged Interval	3261		
Top Log Interval	2800		
Casing Driller	8 5/8"@85'1"		
Casing Logger	851		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM	
Density / Viscosity	9.0/60		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.550@90F		
Rmf @ Meas. Temp	.413@90F		
Rmc @ Meas. Temp	.660@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.446@111F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	4:15 A.M.		
Maximum Recorded Temperature	111F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	WYATT URBAN		

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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

HWY 281 & 4 JUNCTION, 2N. TO "RD. 130", 2W. TO "NW 60 RD.", JOG N. TO TANK BATTERY, 1/2W. INTO



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MAIN SECTION

Database File:

010735ddn.db

Dataset Pathname:

pass6.2

Presentation Format:

micro

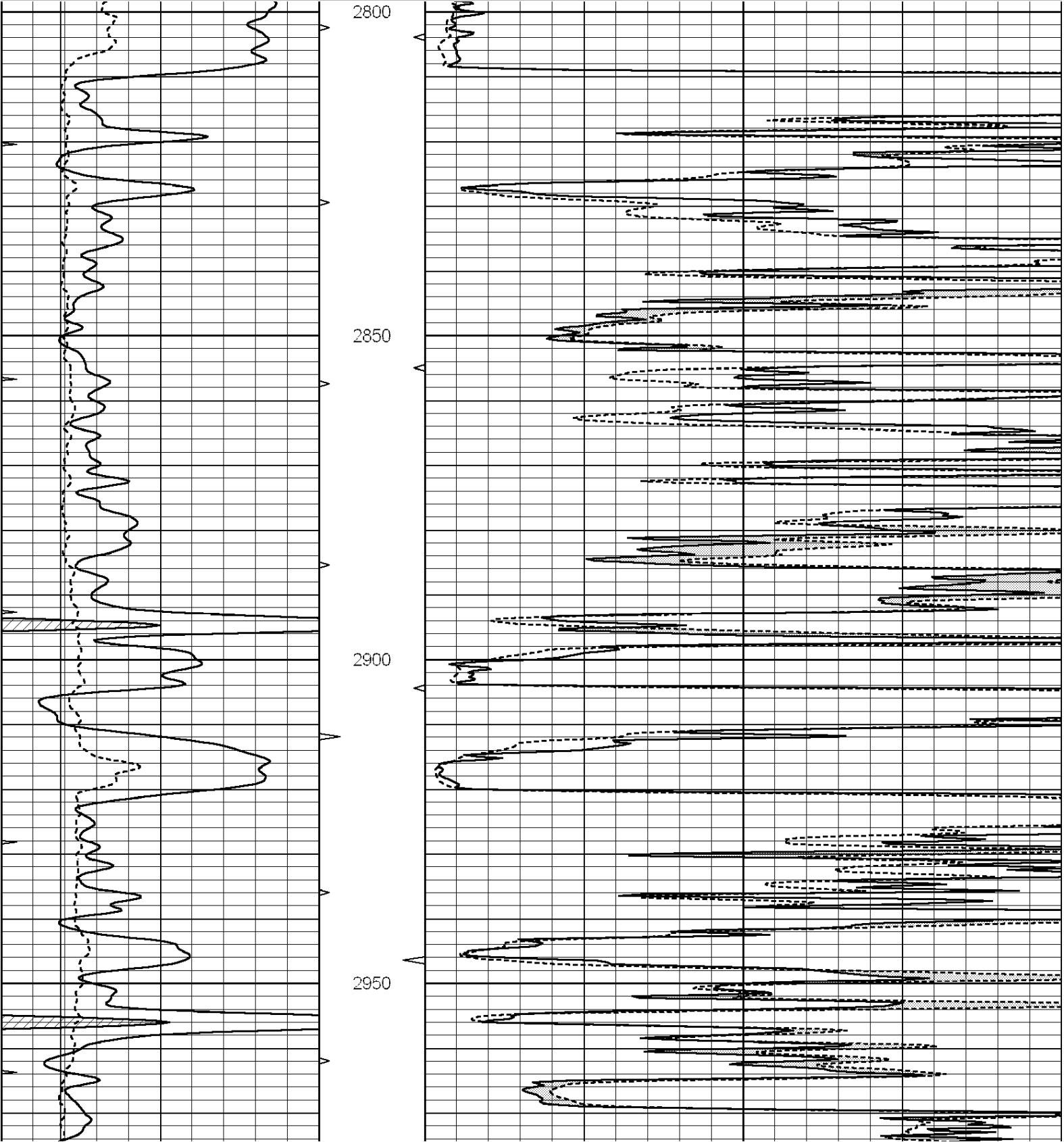
Dataset Creation:

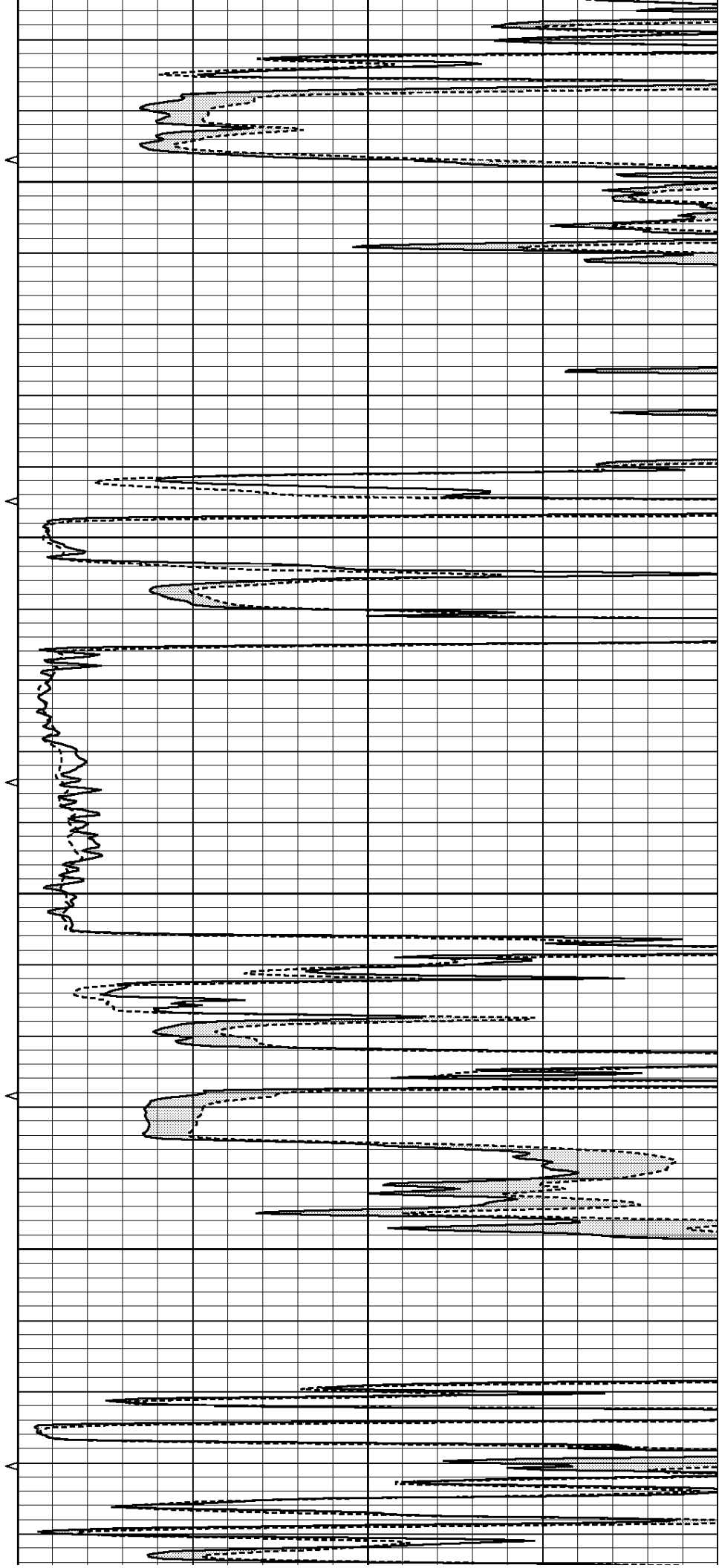
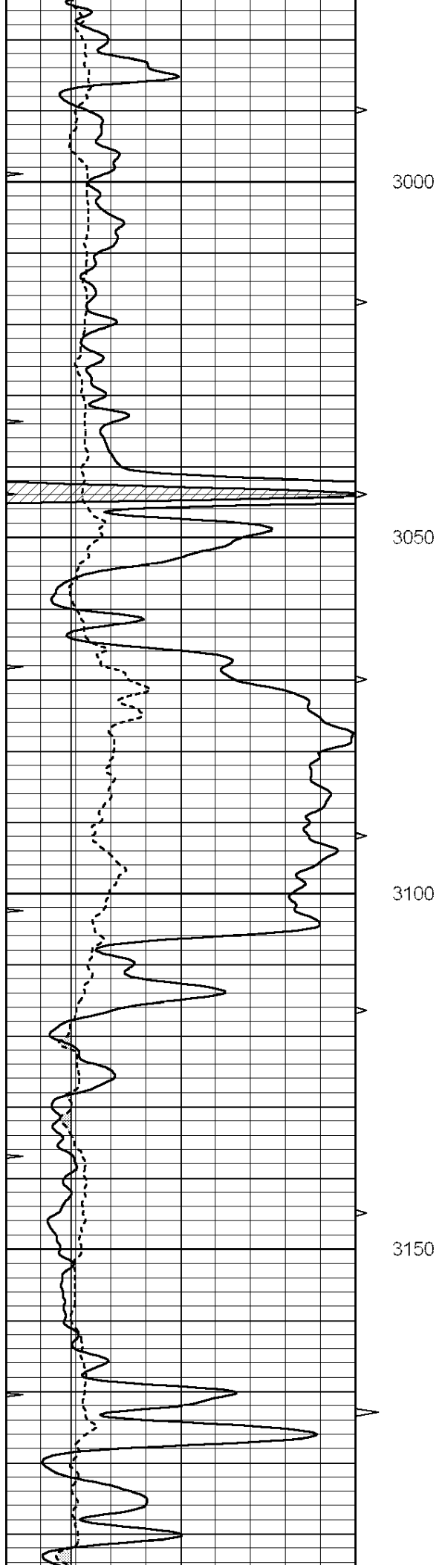
Sun Apr 07 07:22:18 2013 by Calc SOC 120430

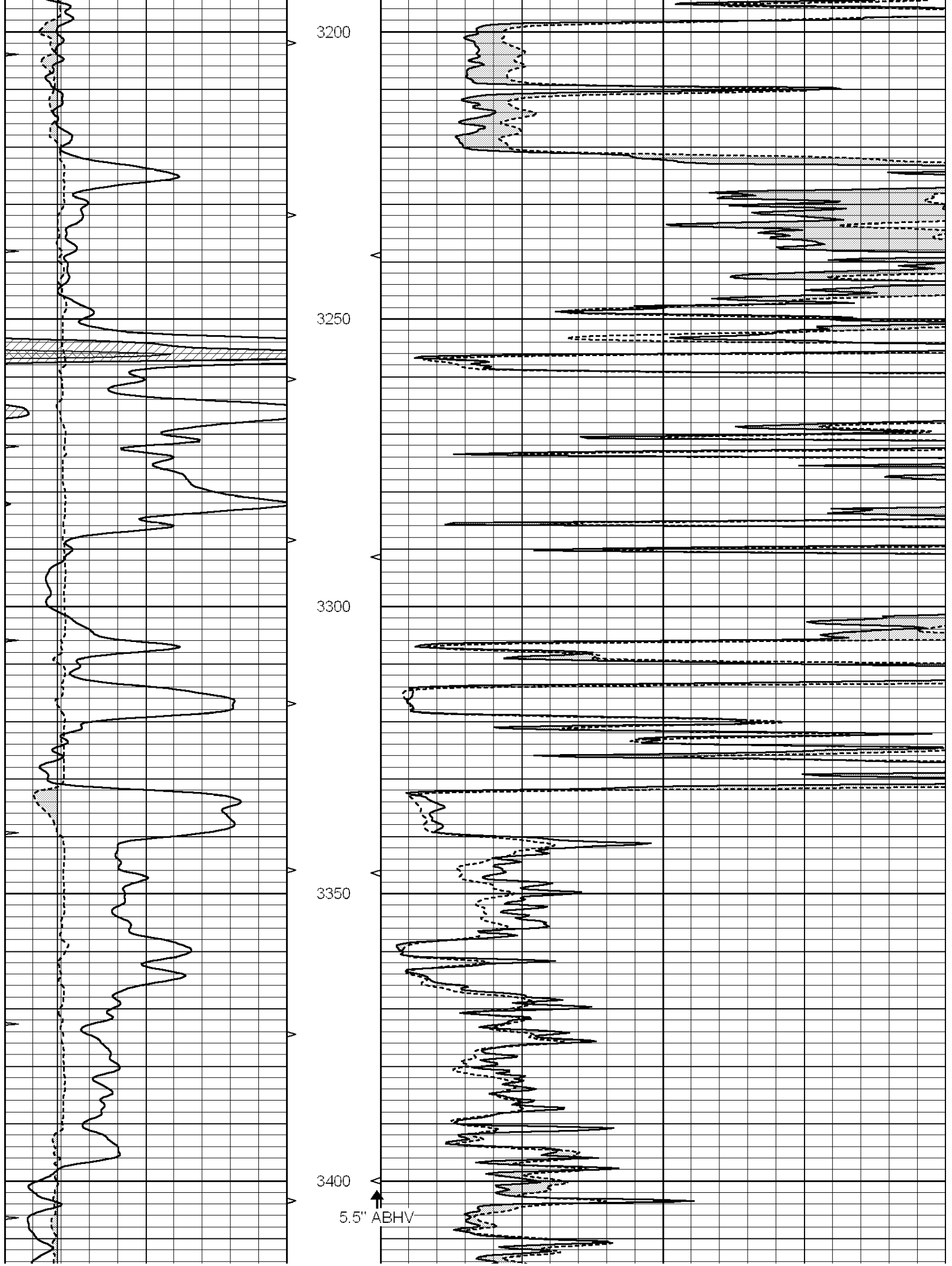
Charted by:

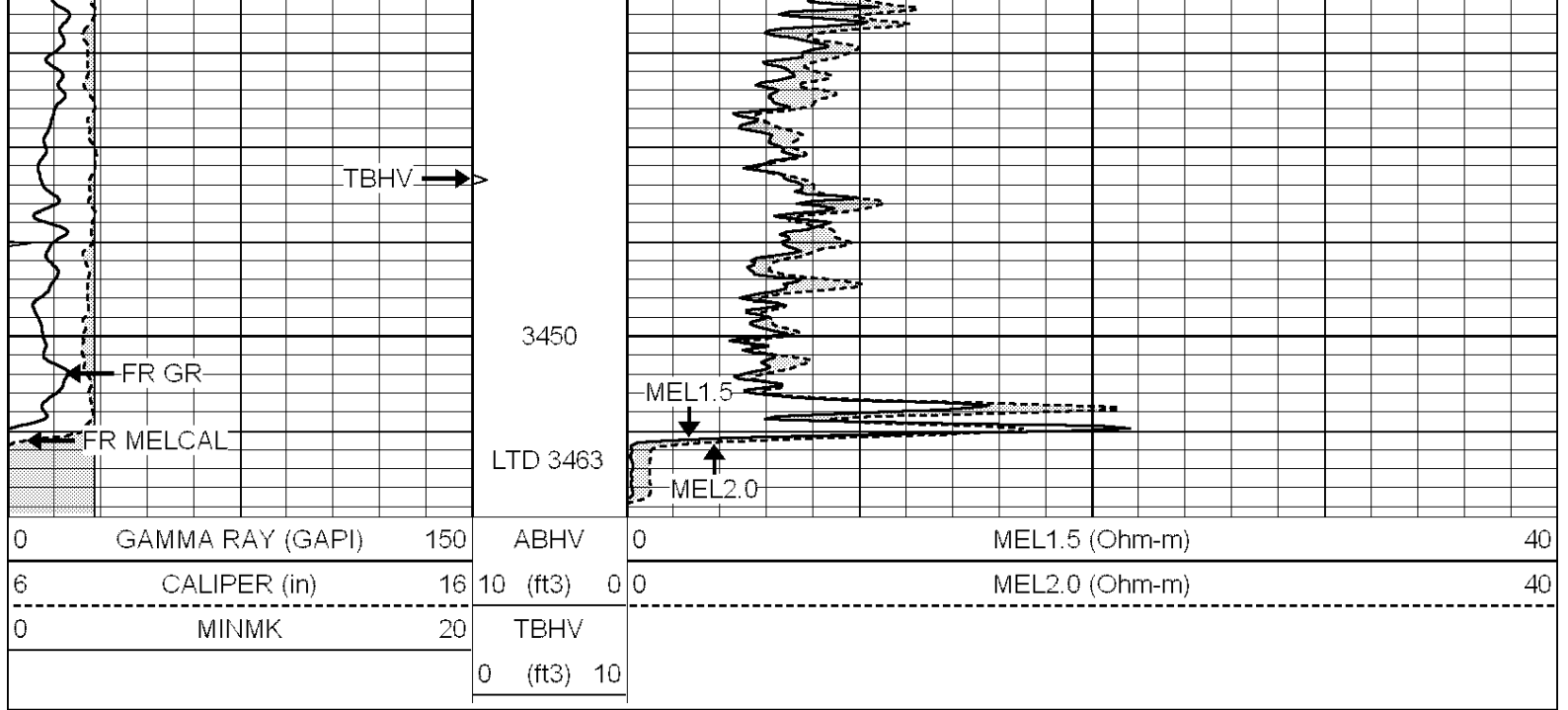
Depth in Feet scaled 1:240

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		







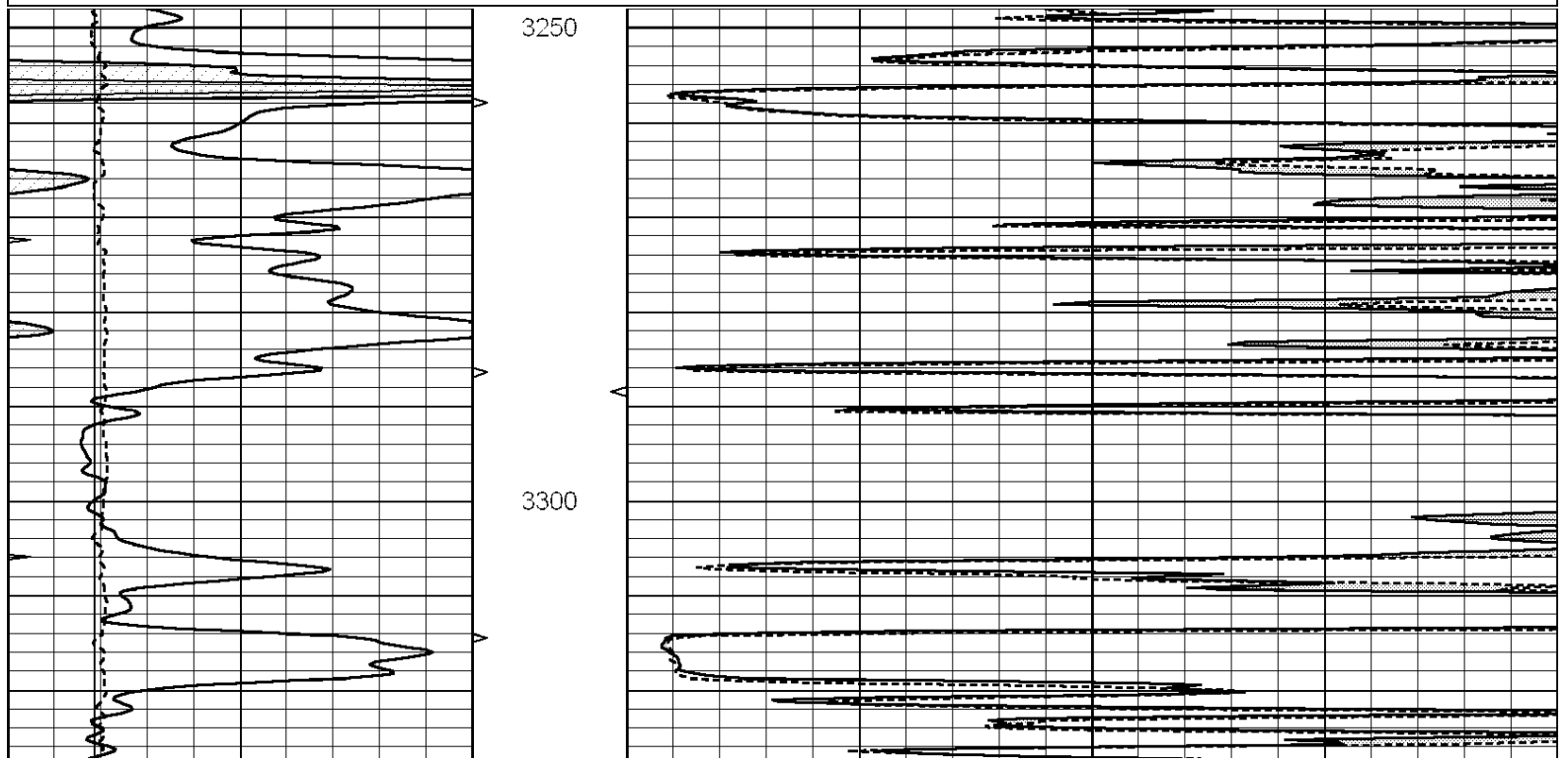


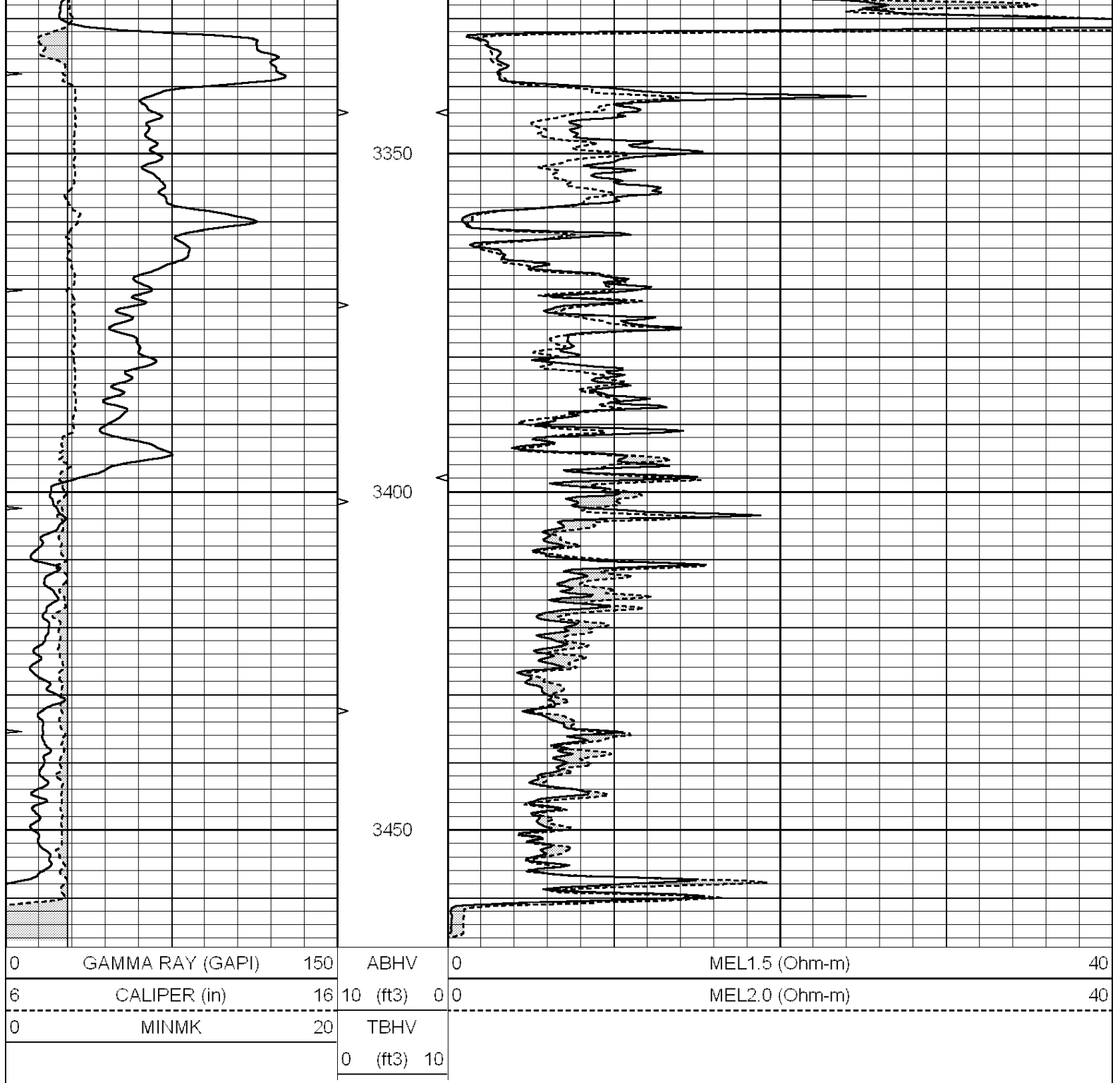
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REPEAT SECTION

Database File: 010735ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: micro
 Dataset Creation: Sun Apr 07 07:14:53 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: 010735ddn.db
 Dataset Pathname: pass6.2
 Dataset Creation: Sun Apr 07 07:22:18 2013 by Calc SOC 120430

MICRO Calibration Report

Serial Number: MICRO5
 Tool Model: PROBE
 Performed: Sat Apr 06 15:07:35 2013

Caliper Calibration: Gain=3.605 Offset=-6.802

References Low Cal High Cal
 8.000 15.000
 Readings 4.106 6.048

1.5" Calibration:	Gain=42.000	Offset=-1.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.015	1.005
2" Calibration:	Gain=40.000	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	0.910
Gamma Ray Calibration Report		
Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Sun Apr 07 07:00:45 2013	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.1500	GAPI/cps