



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company		DOWNING - NELSON OIL CO. INC.	
Well		GEORGINE STAAB #1-19	
Field		WILDCAT	
County		ELLIS	
State		KANSAS	
Company		DOWNING - NELSON OIL COMPANY, INC.	
Well		GEORGINE STAAB #1-19	
Field		WILDCAT	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-26525-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		2005' FSL & 2280' FWL	
Drilling Measured From		SW - NE - NE - SW	
SEC 19		TWP 14S	
RGE		18W	
Elevation		2104	
Other Services		CDL/CNL	
DIL/SONIC		Elevation	
K.B. 2112		D.F. 2110	
G.L. 2104			
Date	5/28/13		
Run Number	TWO		
Depth Driller	3830		
Depth Logger	3834		
Bottom Logged Interval	3812		
Top Log Interval	3000		
Casing Driller	8 5/8"@638'		
Casing Logger	637		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0/52		
pH / Fluid Loss	10.0/9.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.500@90F		
Rmf @ Meas. Temp	.375@90F		
Rmc @ Meas. Temp	.600@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.391@115F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	10:45 A.M.		
Maximum Recorded Temperature	115F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MARC DOWNING		

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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., 3S. ON EXPERIMENTATION RD. TO "MUNJOR RD.", 1 1/2W., N. INTO



NABORS

**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

010914ddn.db

Dataset Pathname:

pass7.3

Presentation Format:

micro

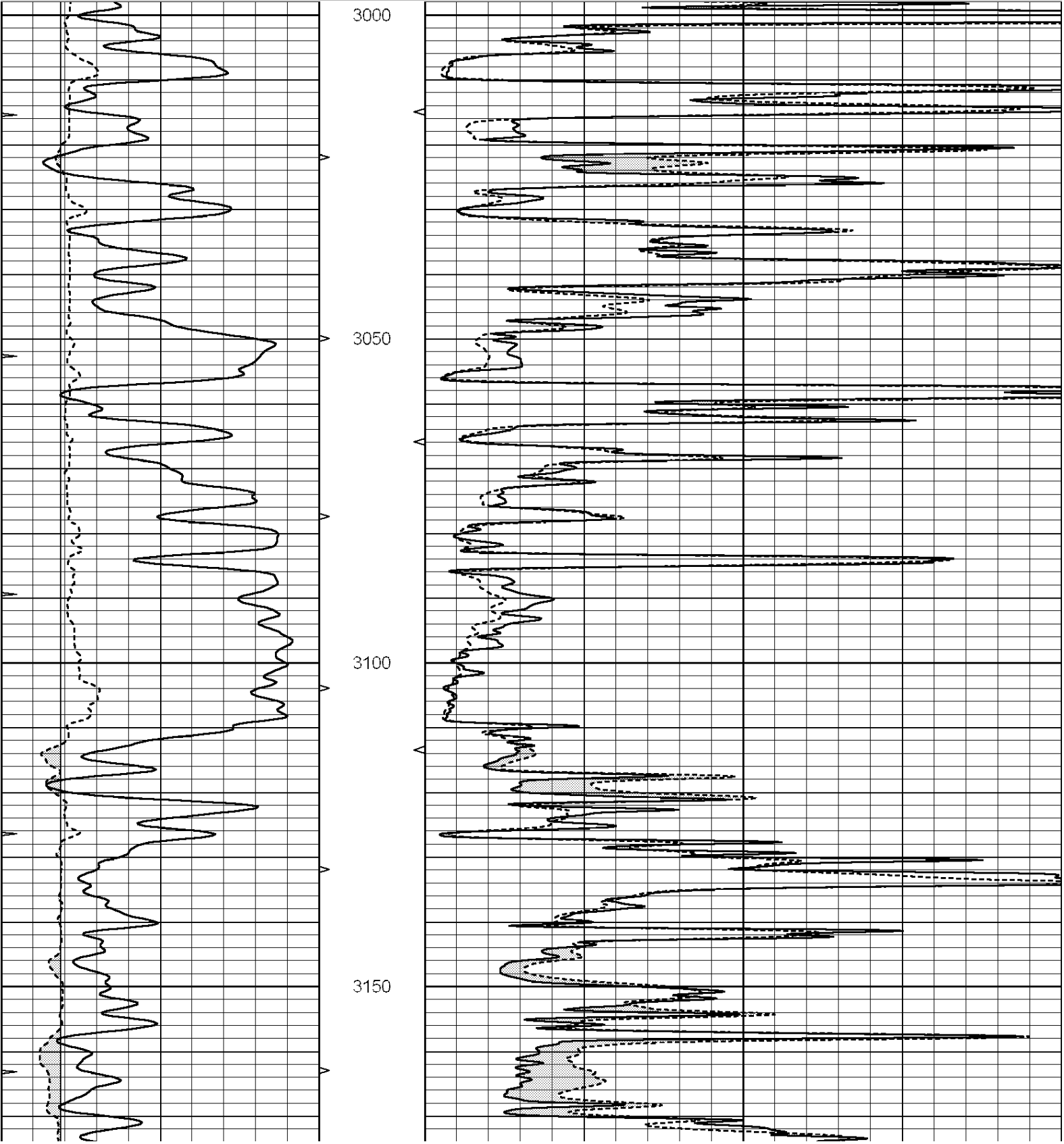
Dataset Creation:

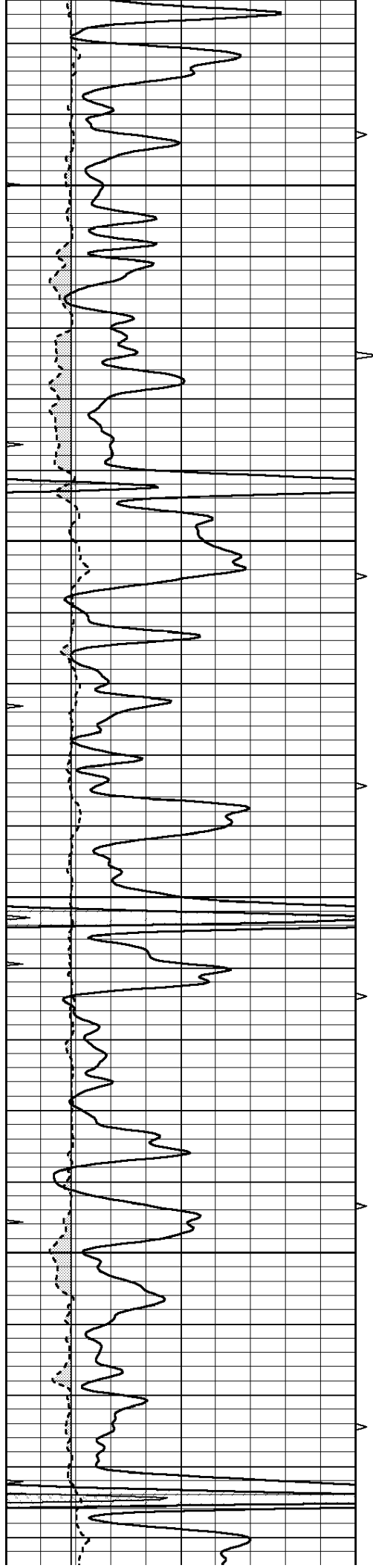
Tue May 28 13:34:39 2013

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		



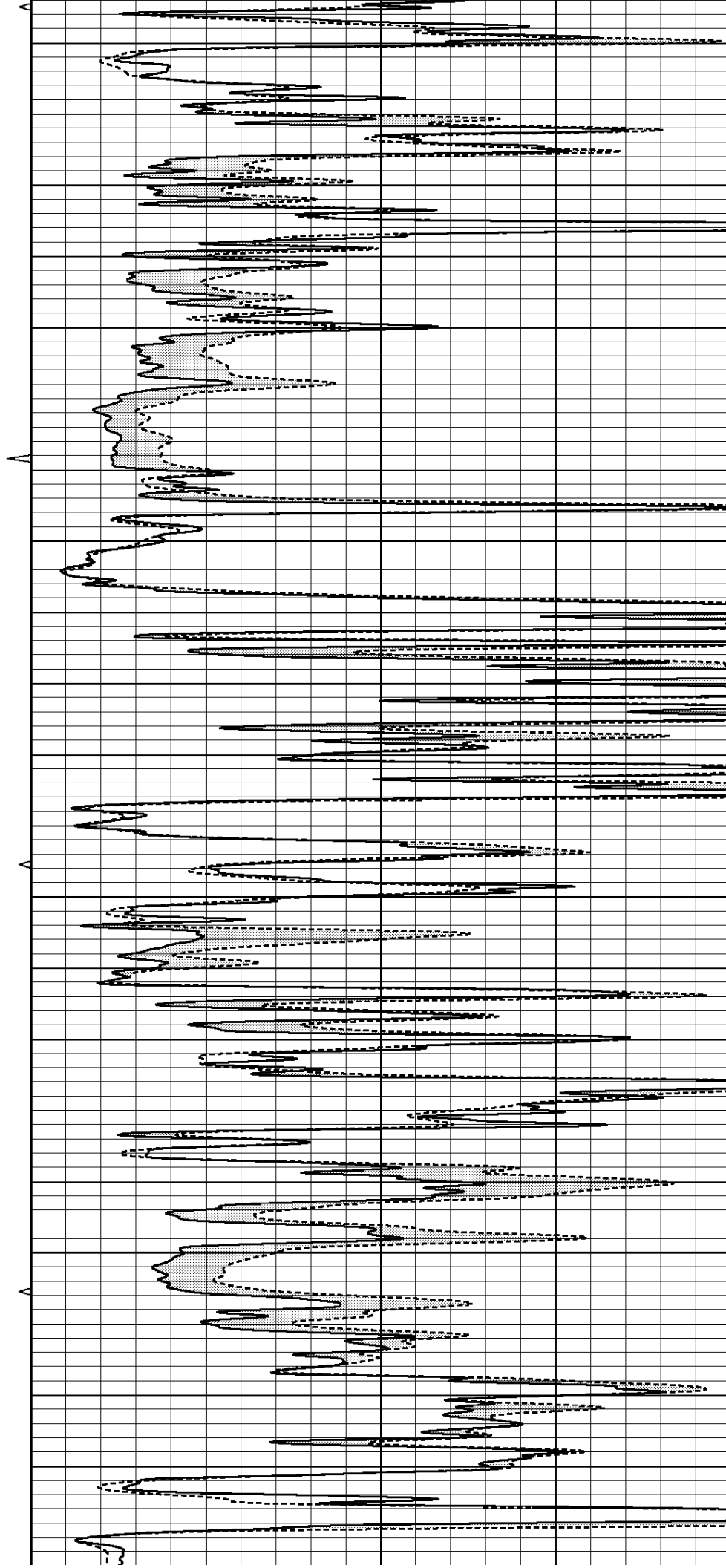


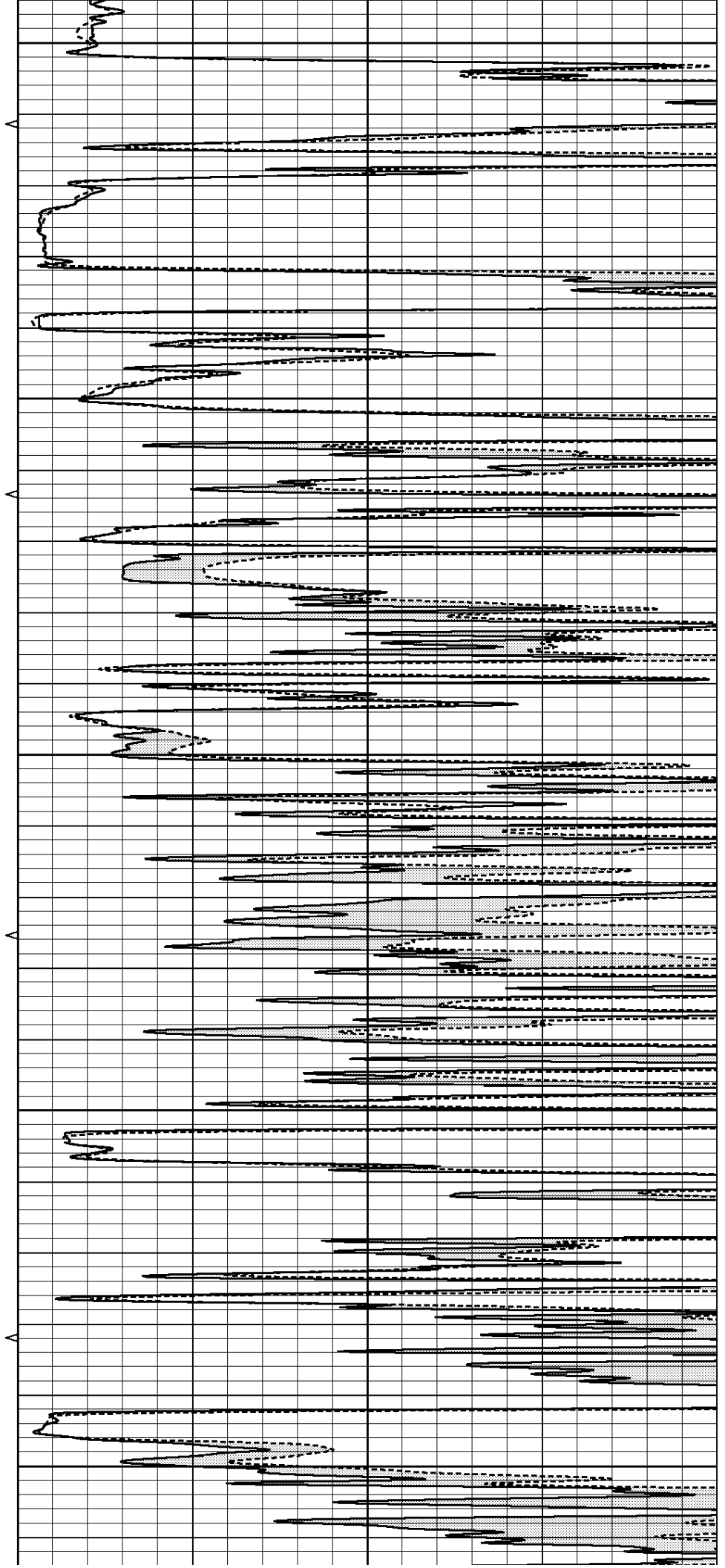
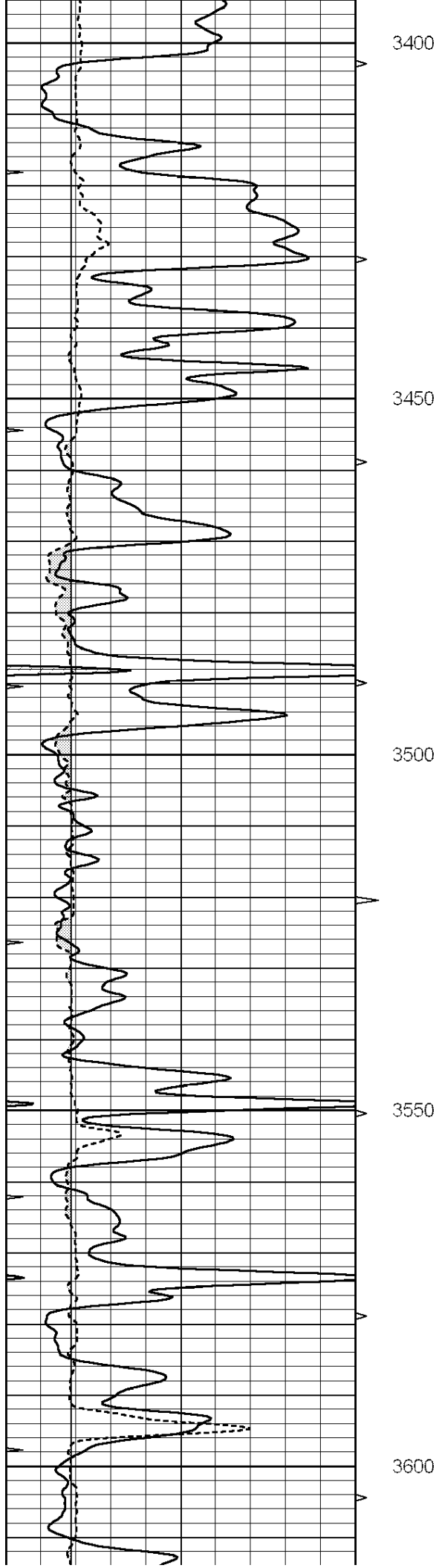
3200

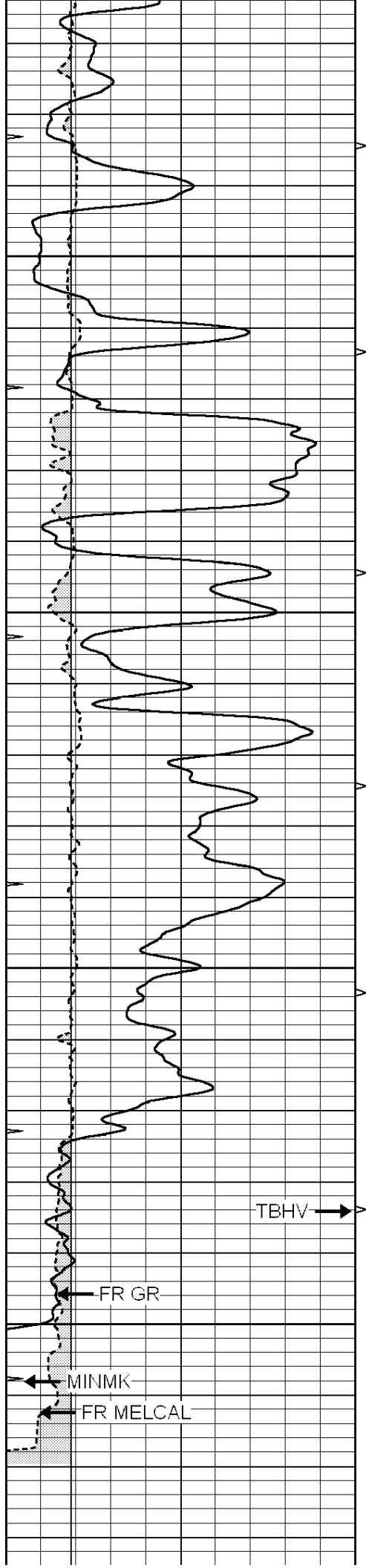
3250

3300

3350







3650

3700

3750

5.5" ABHV

3800

MEL1.5

MEL2.0

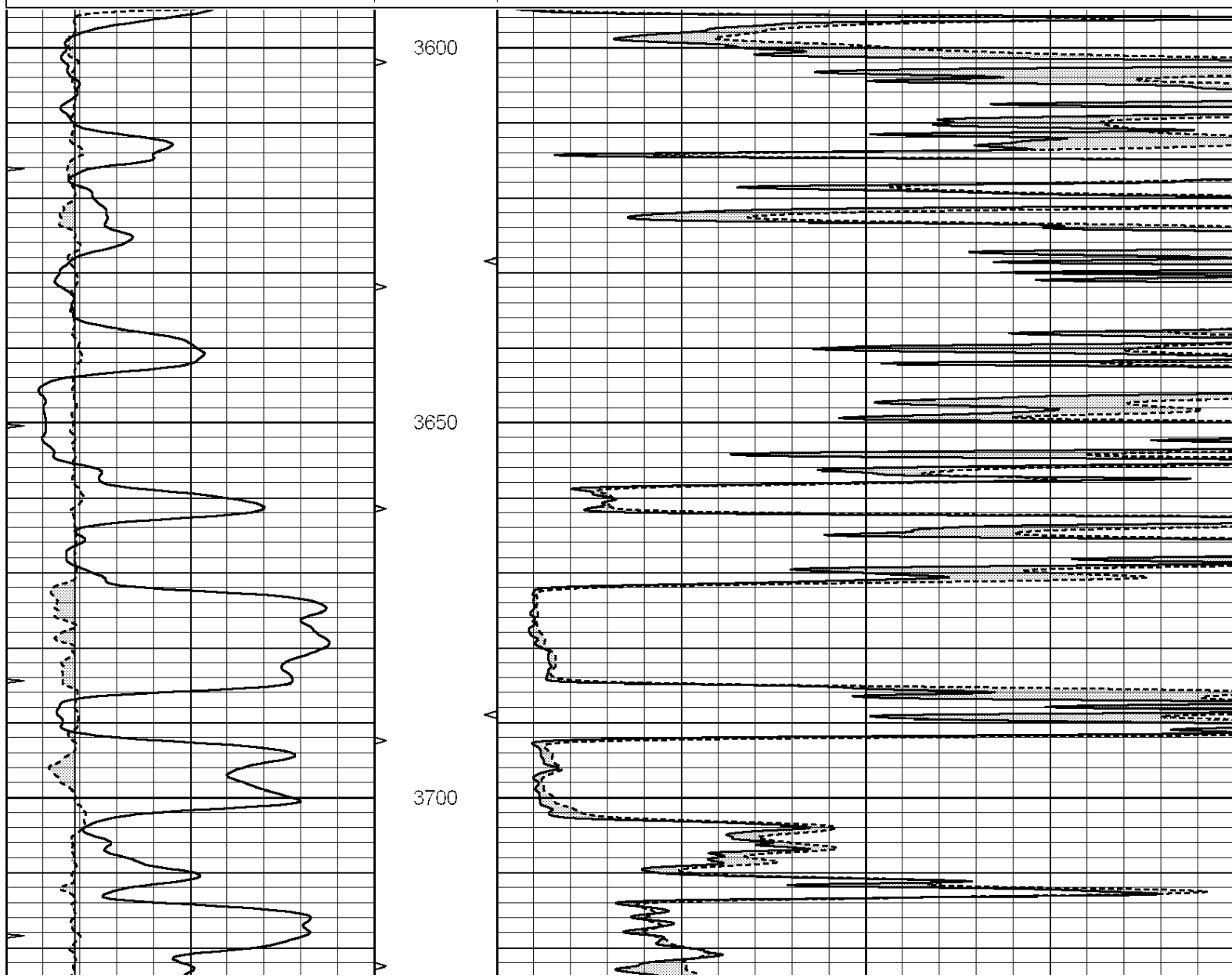
			LTD 3834			
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3) 10			

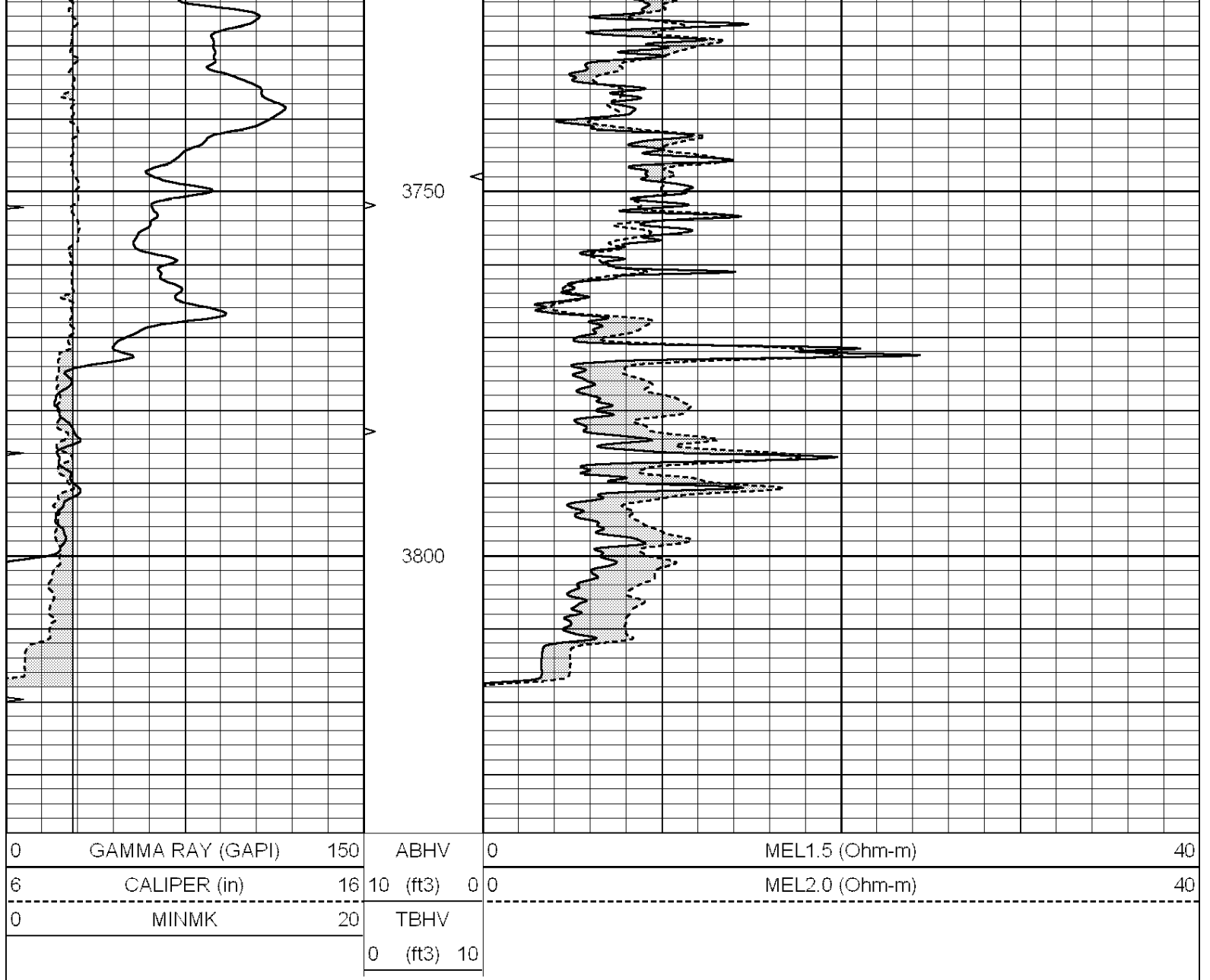


REPEAT SECTION

Database File: 010914ddn.db
Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Tue May 28 13:06:05 2013
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: 010914ddn.db
 Dataset Pathname: pass7.3
 Dataset Creation: Tue May 28 13:34:39 2013

MICRO Calibration Report

Serial Number: MICRO5
 Tool Model: PROBE
 Performed: Tue May 28 13:04:49 2013

Caliper Calibration: Gain=3.553 Offset=-6.490
 References Low Cal High Cal
 Readings 8.100 15.000
 4.106 6.048

1.5" Calibration: Gain=40.000 Offset=-1.000
 References Low Cal High Cal
 Readings 0.000 20.000
 0.015 1.005

2" Calibration: Gain=55.000 Offset=-1.200

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:	Tue May 28 12:38:47 2013	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.5000	GAPI/cps