



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company		I. A. OPERATING, INC.	
Well		BEIKER TRUST #13-1	
Field		COOPER	
County		GRAHAM	
State		KANSAS	
Company		I. A. OPERATING, INC.	
Well		BEIKER TRUST #13-1	
Field		COOPER	
County		GRAHAM	
State		KANSAS	
Location:		API # : 15-065-24085-0000	
SEC 13 TWP 10S RGE 21W		690' FSL & 1360' FEL SE - NE - SW - SE	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Elevation		2253	
Other Services		CDL/CNL DIL/SON	
Date		12/8/14	
Run Number		TWO	
Depth Driller		3950	
Depth Logger		3948	
Bottom Logged Interval		3932	
Top Log Interval		3200	
Casing Driller		8 5/8"@221'	
Casing Logger		221	
Bit Size		7 7/8"	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.3/56	
pH / Fluid Loss		10.0/8.8	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.800@70F	
Rinf @ Meas. Temp		.600@80F	
Rmc @ Meas. Temp		.960@70F	
Source of Rinf / Rmc		MEASUREMENT	
Rim @ BHT		.483@116F	
Time Circulation Stopped		4 HOURS	
Time Logger on Bottom		2:00 P.M.	
Maximum Recorded Temperature		116F	
Equipment Number		4854	
Location		HAYS, KANSAS	
Recorded By		JEFF LUEBBERS	
Witnessed By		STEVE REED	

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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
PALCO, KS., S. ON BLKTOP TO "CC RD.", 2 1/2W., 3/4N. INTO ON LEASE RD.

Database File:

26325ddn.db

Dataset Pathname:

pass6.4

Presentation Format:

micro

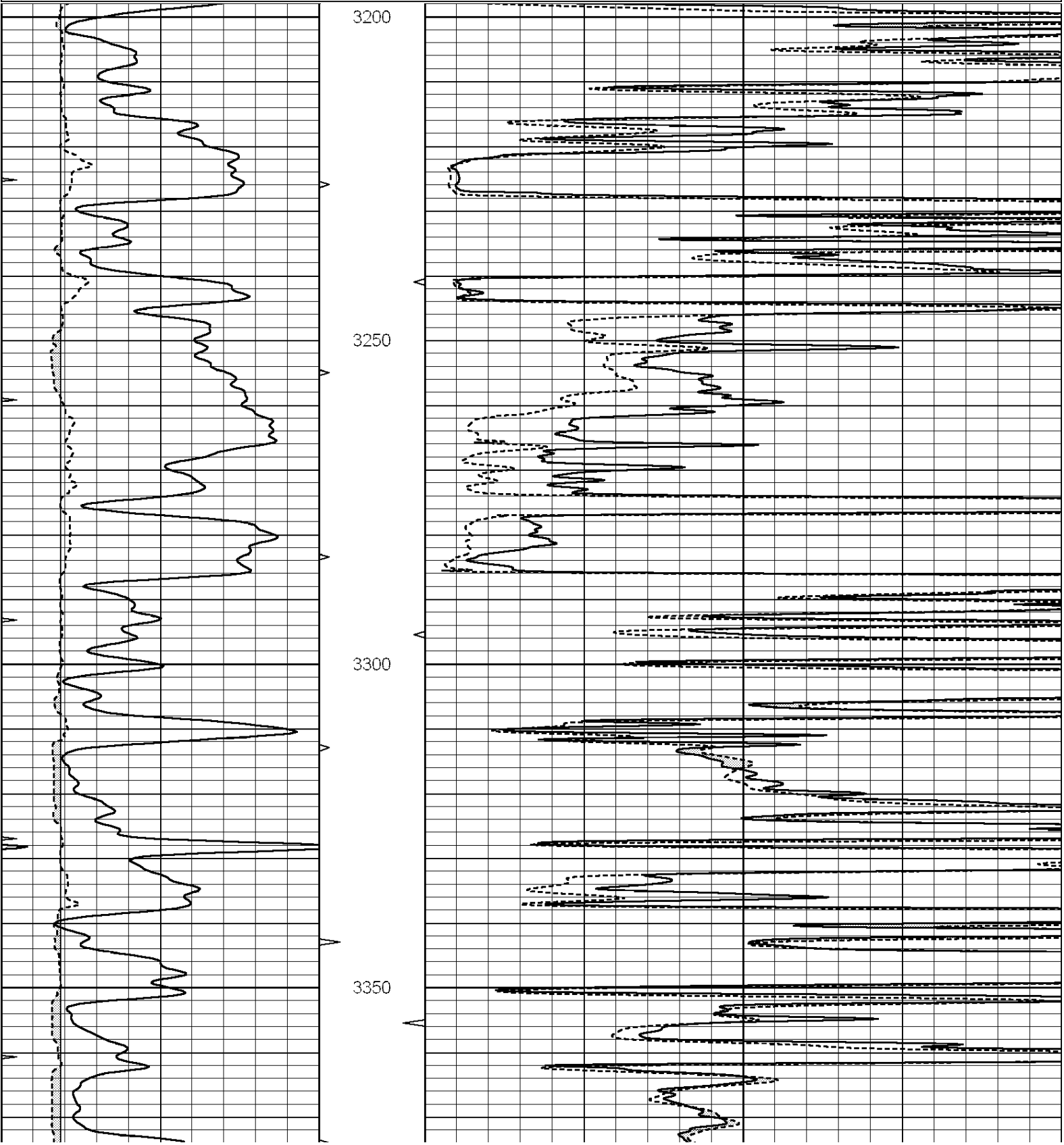
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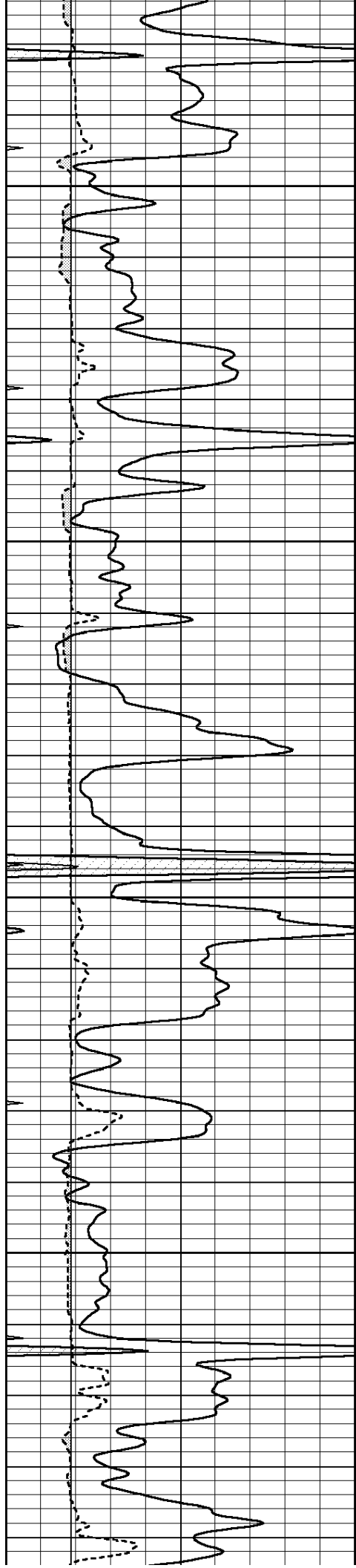
Tue Dec 09 17:36:14 2014

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	MEL 20 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		



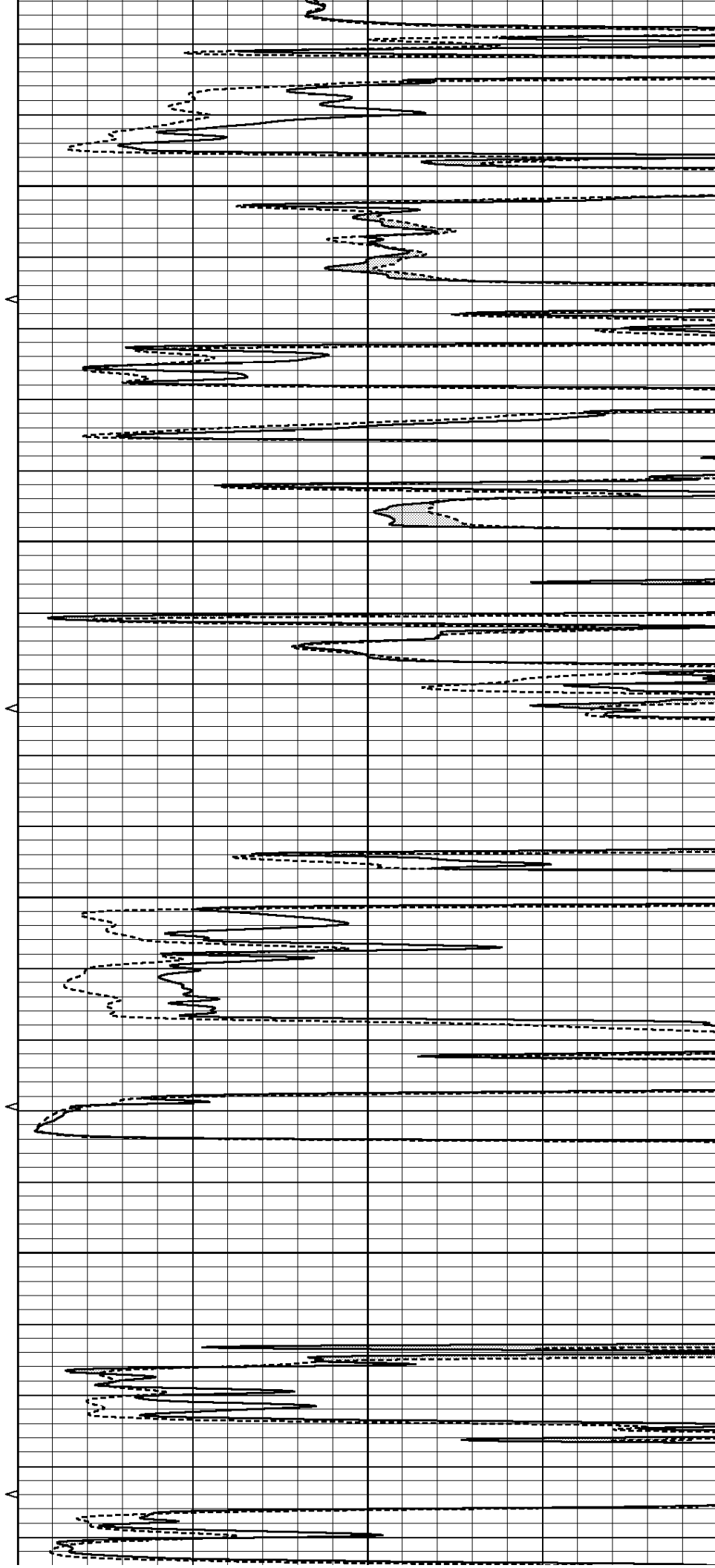


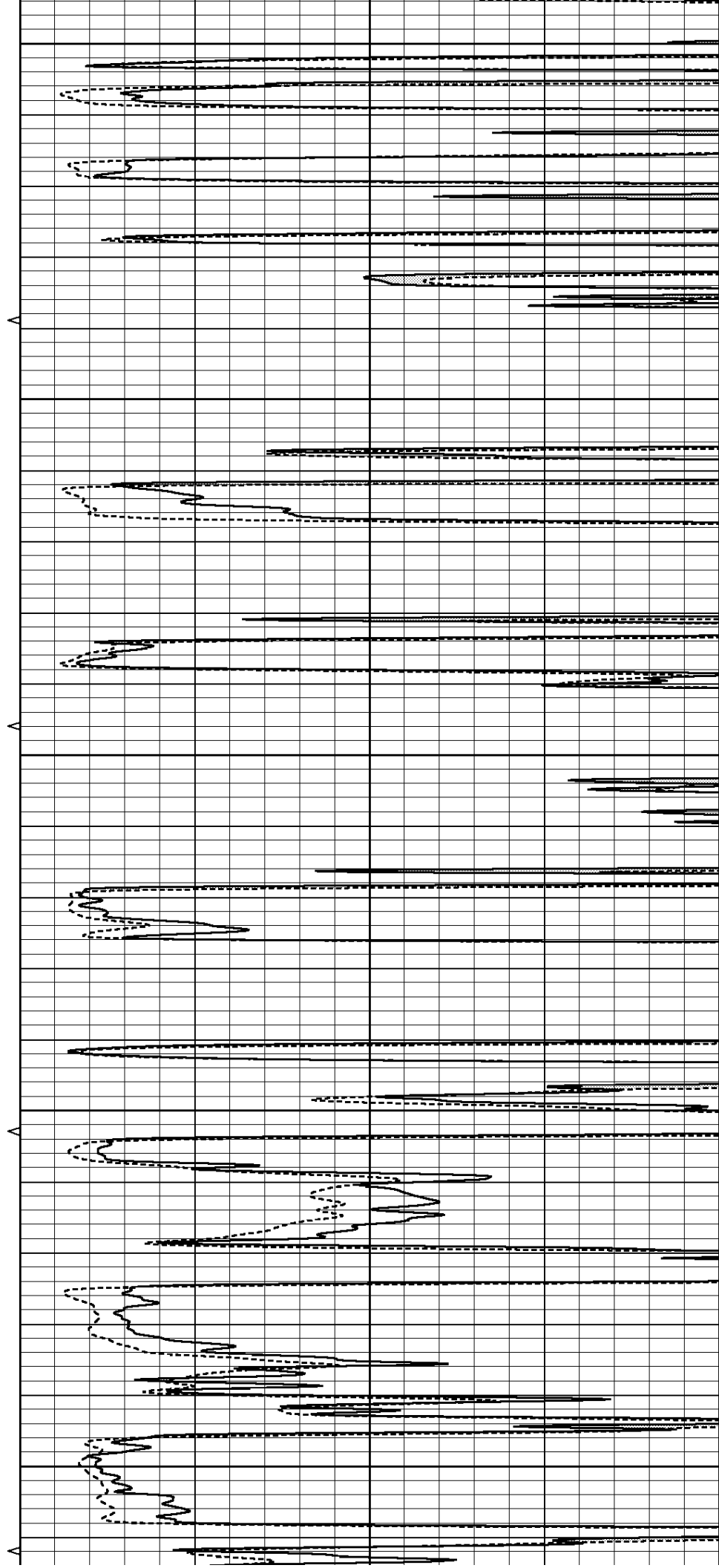
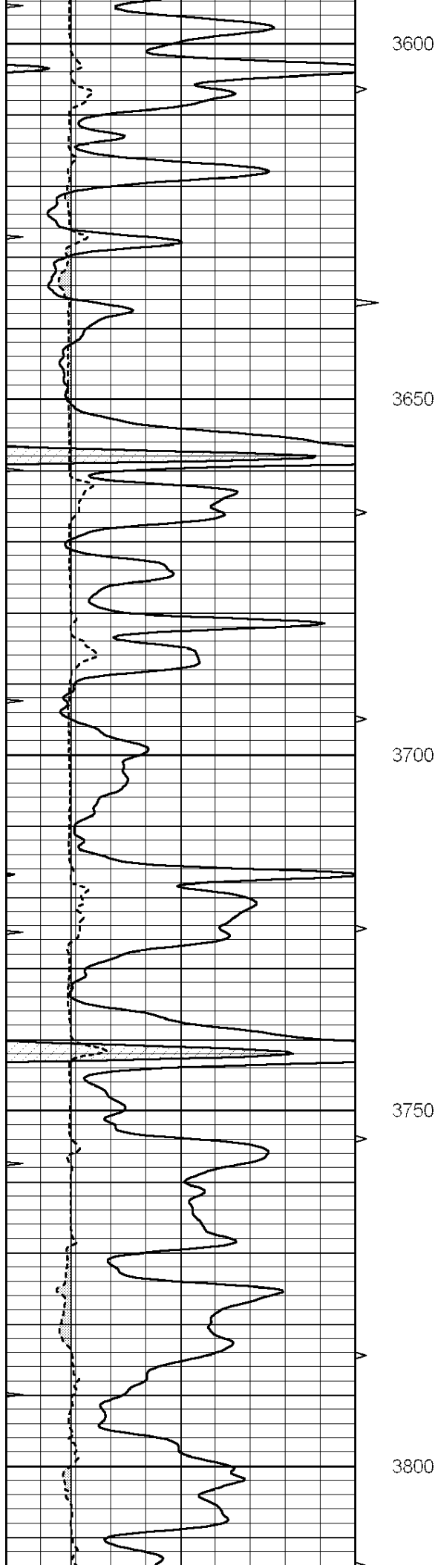
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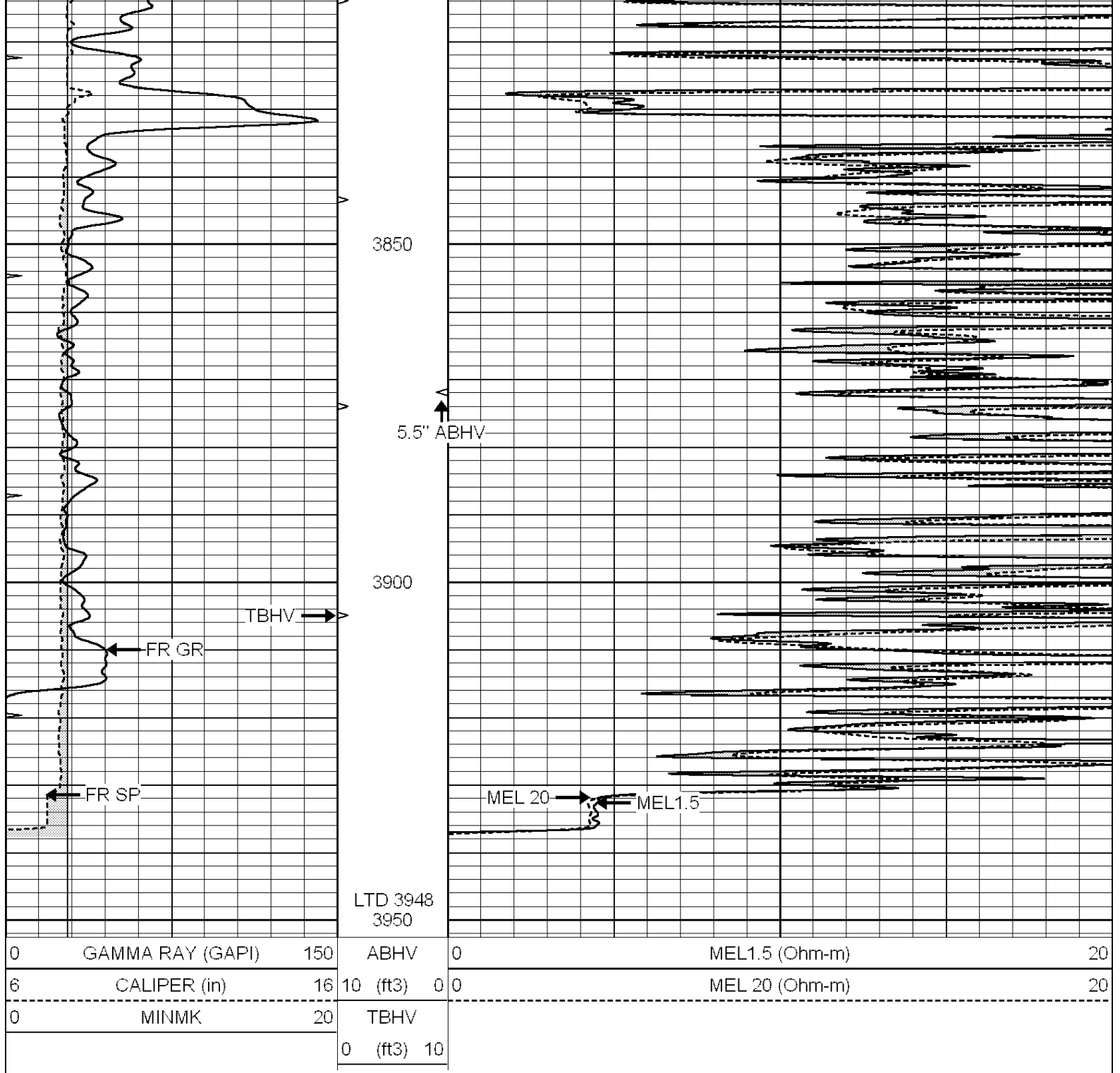
3450

3500

3550





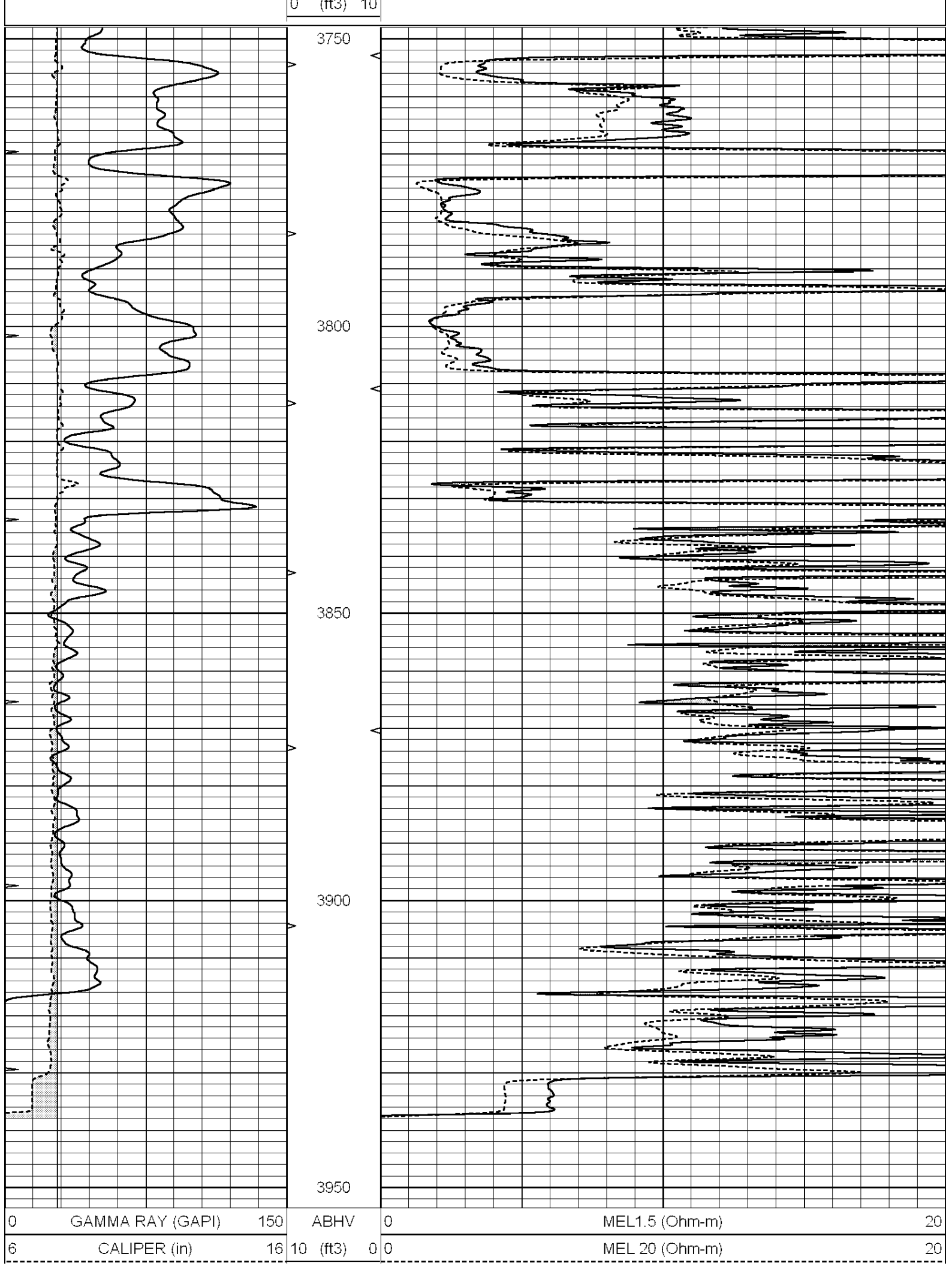


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REPEAT SECTION

Database File: 26325ddn.db
Dataset Pathname: pass5.5
Presentation Format: micro
Dataset Creation: Tue Dec 09 16:49:56 2014
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL 1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		



0	MINMK	20	TBHV
		0	(ft3) 10

Calibration Report

Database File: 26325ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Tue Dec 09 16:57:13 2014 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 2
Tool Model: PROBE
Performed: Tue Dec 09 16:20:27 2014

Caliper Calibration: Gain=4.386 Offset=0.650

References Low Cal High Cal
8.000 16.000
Readings 1.676 3.500

1.5" Calibration: Gain=34.000 Offset=-2.500

References Low Cal High Cal
0.000 20.000
Readings 0.041 1.202

2" Calibration: Gain=48.000 Offset=-1.500

References Low Cal High Cal
0.000 20.000
Readings 0.003 1.041

Gamma Ray Calibration Report

Serial Number: GR3
Tool Model: OPEN
Performed: Sat Dec 06 01:08:39 2014

Calibrator Value: 200.0 GAPI

Background Reading: 3.0 cps
Calibrator Reading: 186.0 cps

Sensitivity: 1.0000 GAPI/cps