



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	BAIRD OIL COMPANY, LLC.		
Well	QUINN #4-2		
Field	LAST HOPE NORTHEAST		
County	GRAHAM	State	KANSAS
Location:	AP1 # : 15-065-23872-0000 1842' FNL & 607' FWL		Other Services RAG
Permanent Datum	SEC 2	TWP 7S	RGE 22W
Log Measured From	GROUND LEVEL Elevation 2252 KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation	K.B. 2257 D.F. 2256 G.L. 2252		
Date	10/26/12		
Run Number	TWO		
Depth Driller	3797		
Depth Logger	3797		
Bottom Logged Interval	3795		
Top Log Interval	3100		
Casing Driller	8 5/8" @ 217		
Casing Logger	217		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3000 PPM	
Density / Viscosity	9.3/47		
pH / Fluid Loss	10.0/7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.85 @ 60F		
Rmf @ Meas. Temp	.63 @ 60F		
Rmc @ Meas. Temp	1.02 @ 60F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.44 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	RICHARD BELL		

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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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
HILL CITY, KS. - 8 N. TO RD. Y - 5 1/2 E. TO QUINN TANK BATTERY
S. & BACK WEST THRU GATE - S. INTO

Database File:

009985rag.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

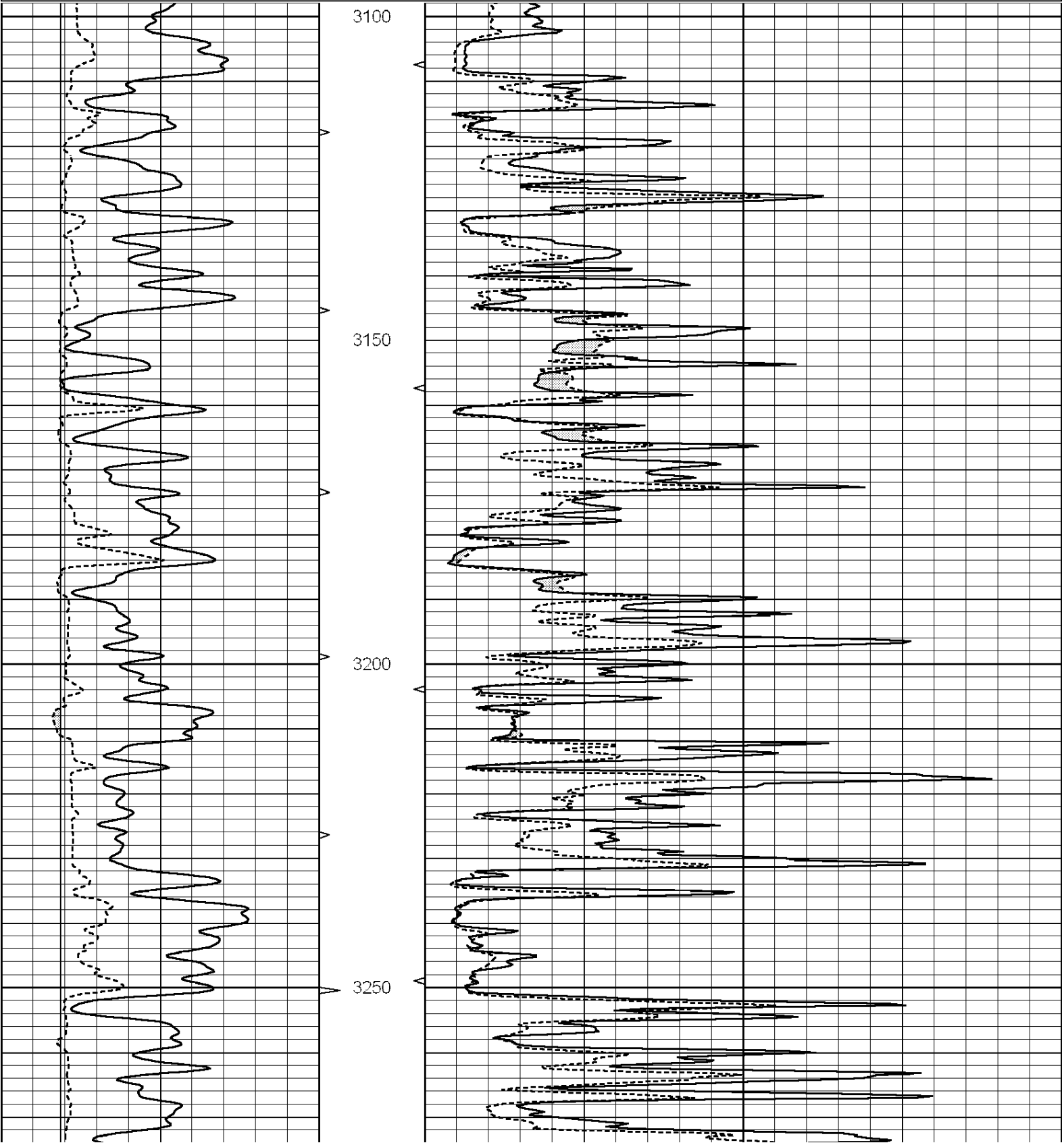
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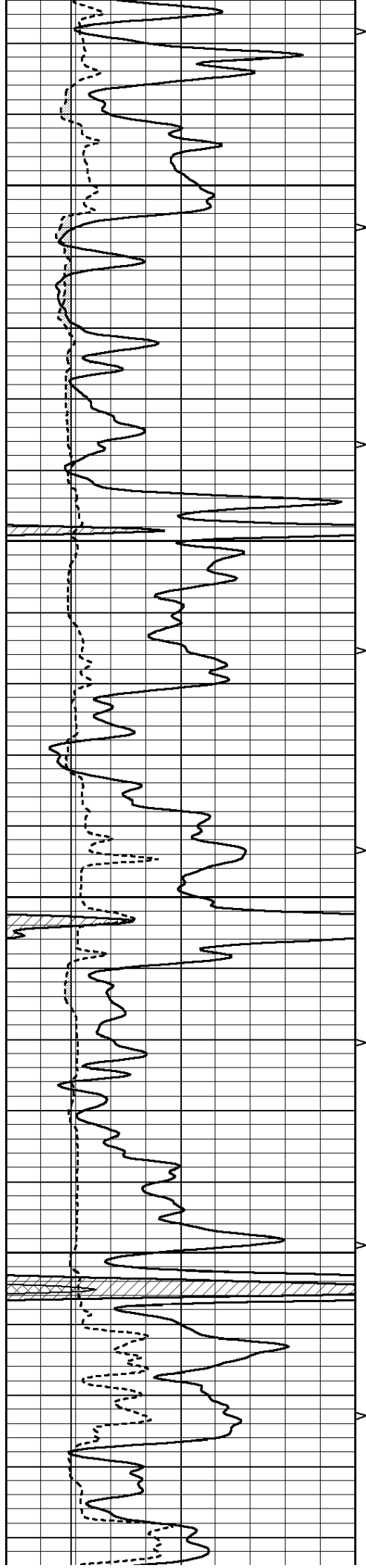
Sat Oct 27 00:10:32 2012 by Calc Open-Cased 090629

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
			TBHV			
			0 (ft3)	10		



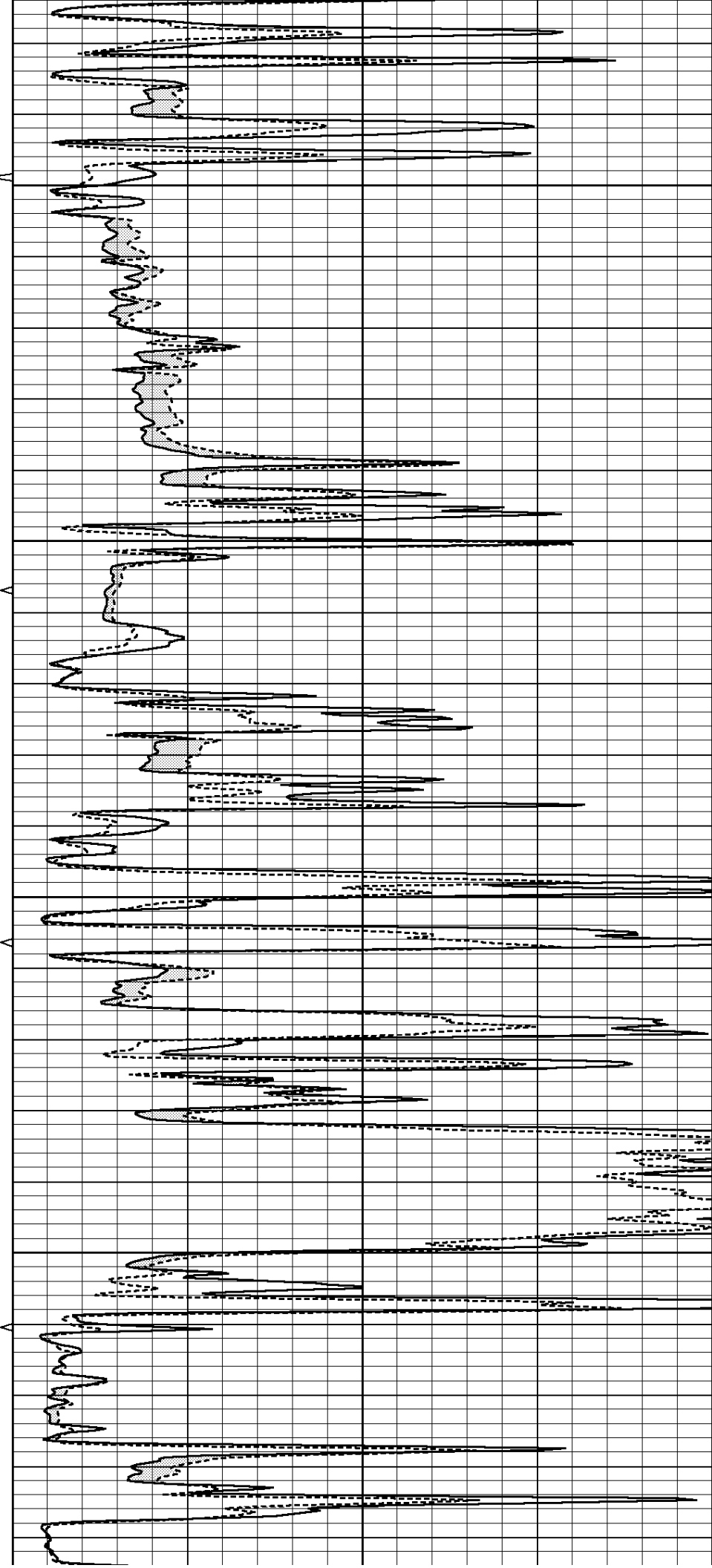


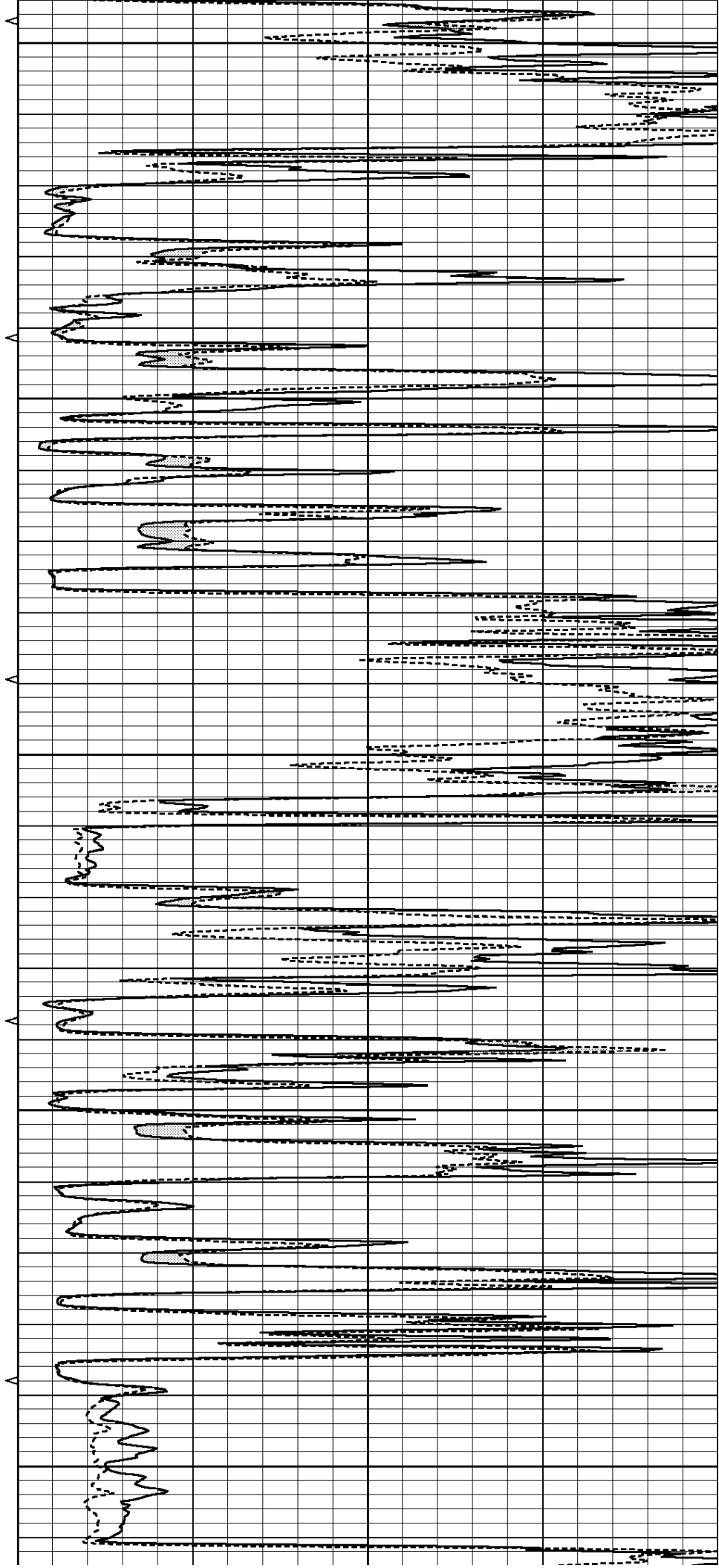
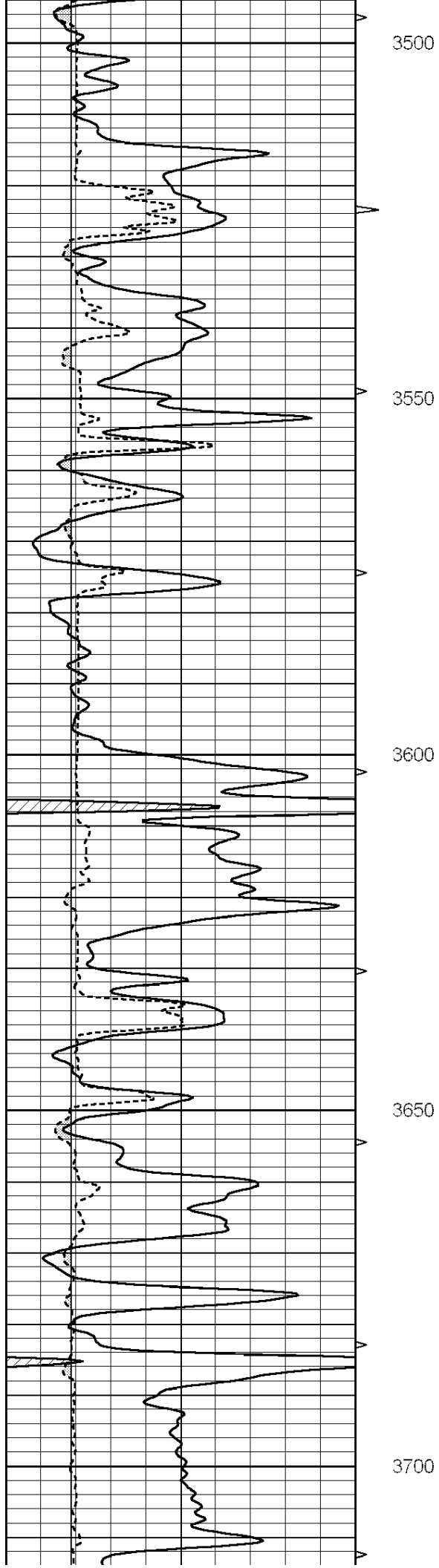
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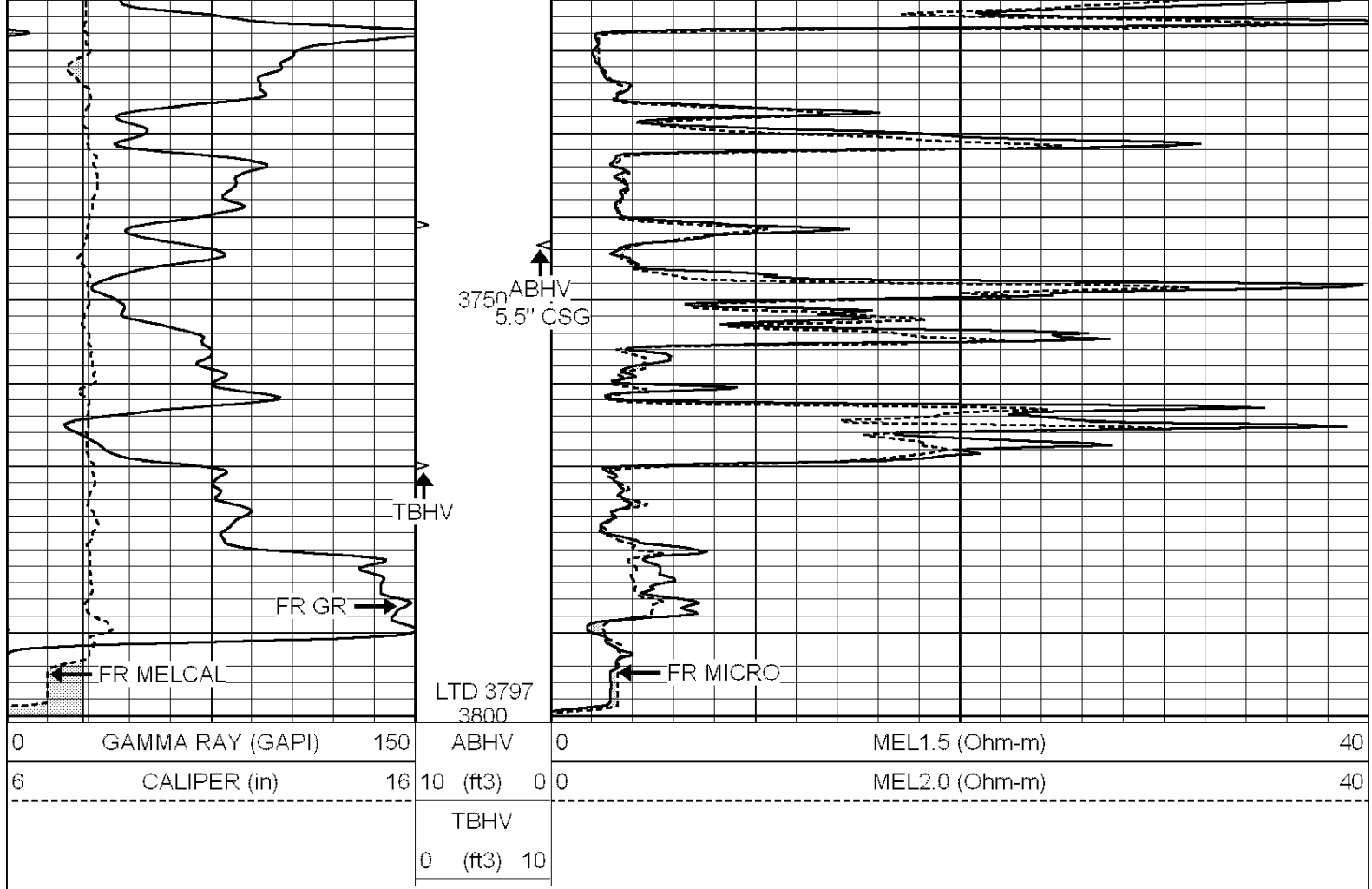
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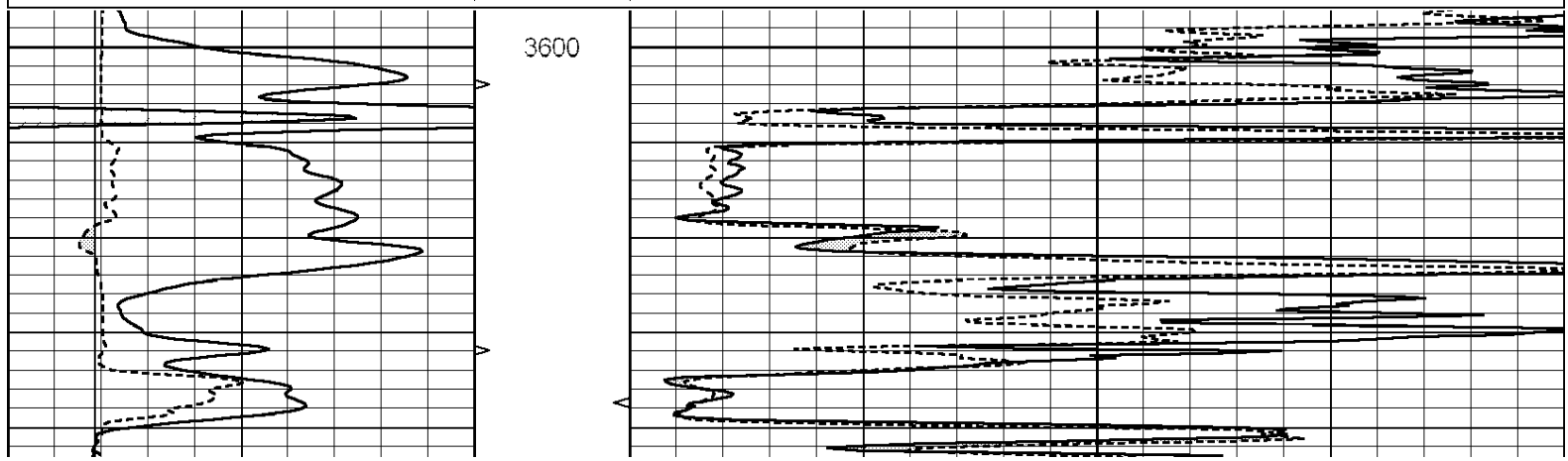


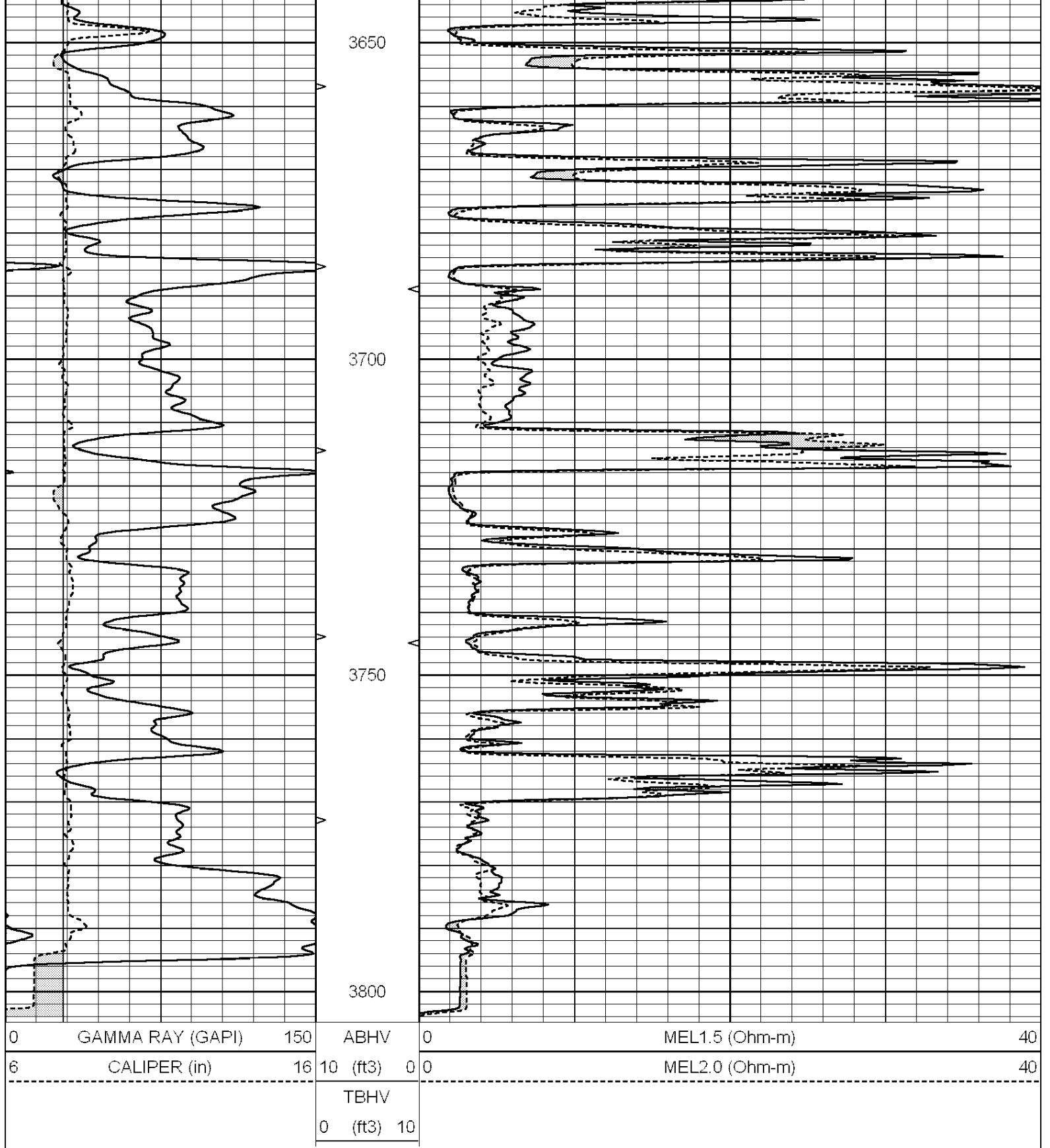


REPEAT SECTION

Database File: 009985rag.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Sat Oct 27 00:00:04 2012 by Calc Open-Cased 090629
 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
			TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 009985rag.db
Dataset Pathname: pass5.1
Dataset Creation: Sat Oct 27 00:00:04 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Sat Oct 20 22:17:58 2012

Reference:

Calibrated Low Cal:

Caliper Calibration:	Gain=6.253	Offset=-1.108
References	Low Cal	High Cal
Readings	5.800	13.000
	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=-0.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.196
2" Calibration:	Gain=35.041	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps