



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	DOWNING-NELSON OIL COMPANY, INC.		
Well	SUNLEY-ROHR UNIT #1-13		
Field	WILDCAT		
County	ELLIS	State	KANSAS
Location:	API # : 15-051-26526-00-00		Other Services
SEC 13 TWP 14S RGE 19W		DIL/MEL	
Permanent Datum	GROUND LEVEL	Elevation	2144
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 2136	D.F. 2434
Drilling Measured From	KELLY BUSHING	G.L. 2144	
Date	5/20/13		
Run Number	TW0		
Depth Driller	3846		
Depth Logger	3847		
Bottom Logged Interval	3845		
Top Log Interval	2950		
Casing Driller	220		
Casing Logger	220		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5.000	
Density / Viscosity	9.1 / 56		
pH / Fluid Loss	10.5 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.55 @ 90F		
Rmf @ Meas. Temp	0.41 @ 90F		
Rmc @ Meas. Temp	0.66 @ 90F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.43 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	115F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	RON NELSON		

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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

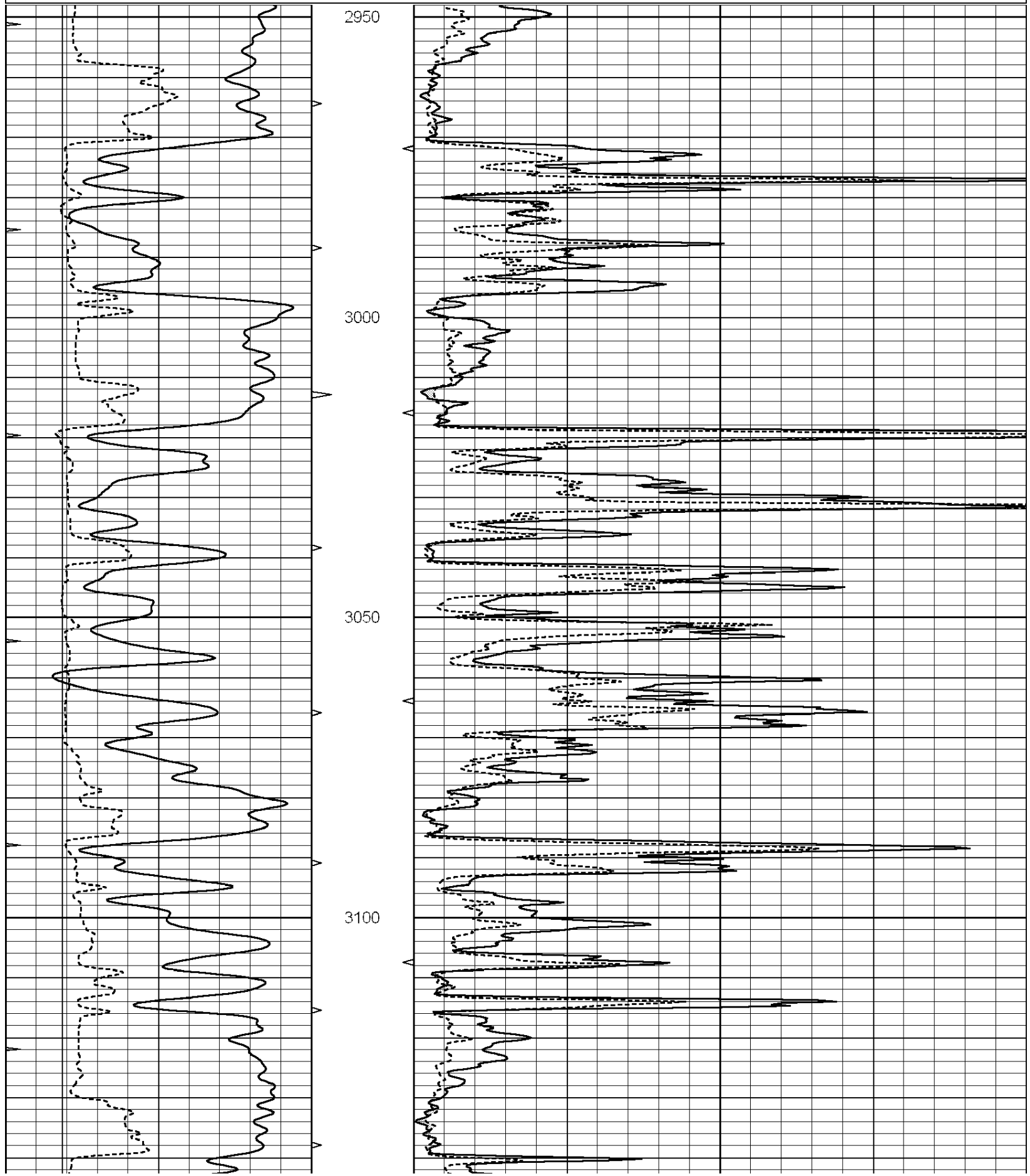
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395

THANK YOU FOR YOUR BUSINESS

DIRECTIONS: HAYS, KS. - 1 MILE SOUTH ON EXPERIMENT STATION RD TO SPRING HILL RD - 2 MILES WEST TO 220TH RD - SOUTH 1/4 WEST INTO

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





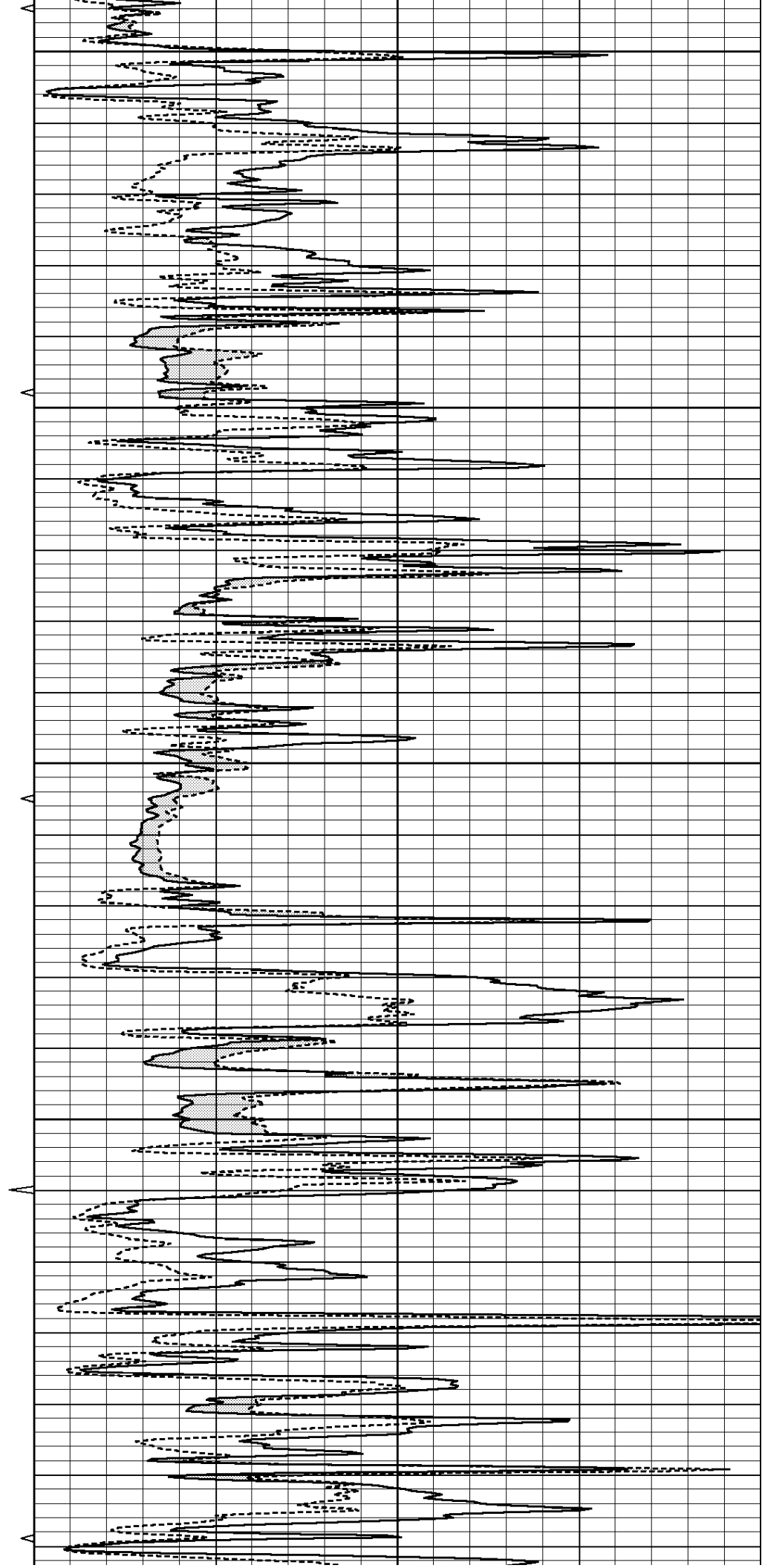
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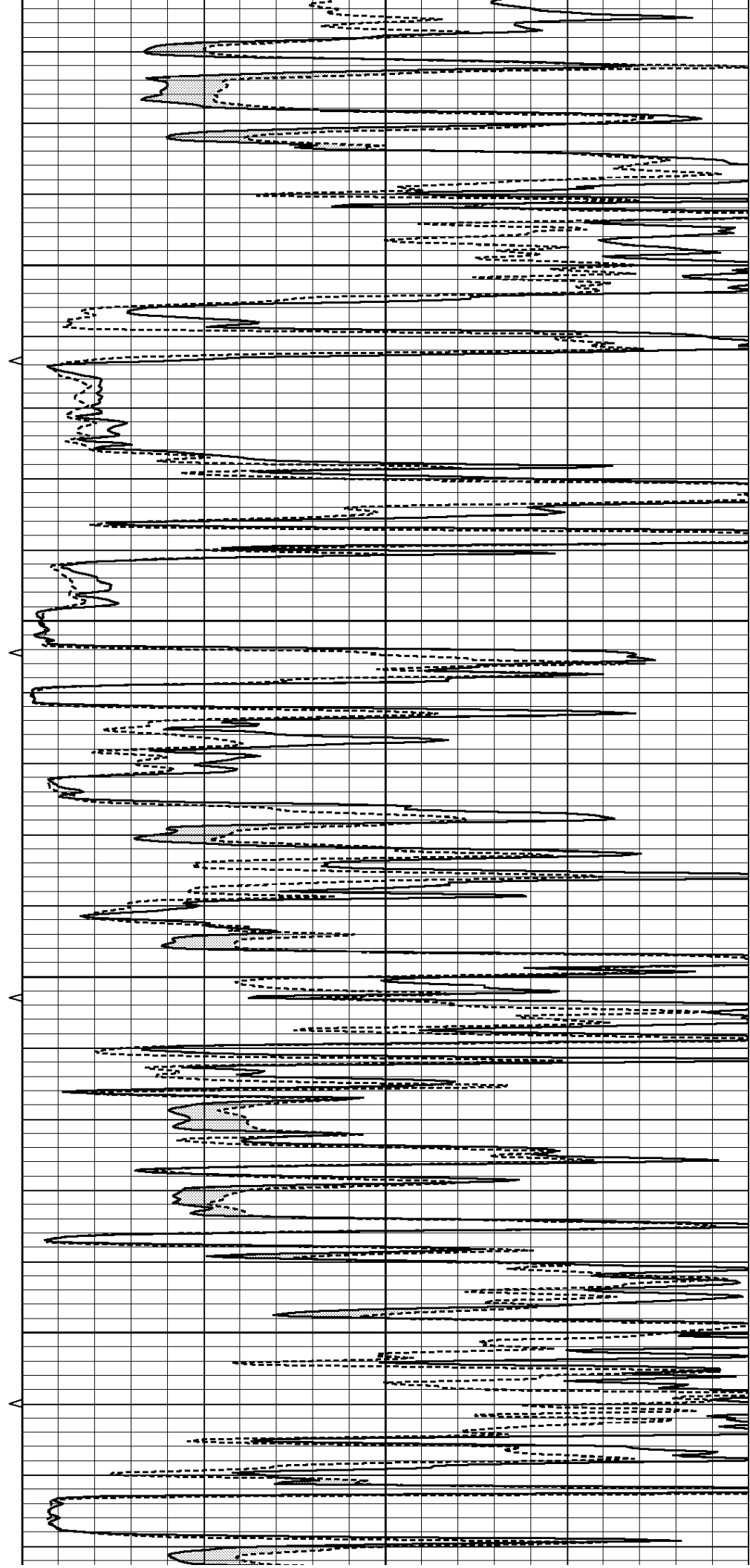
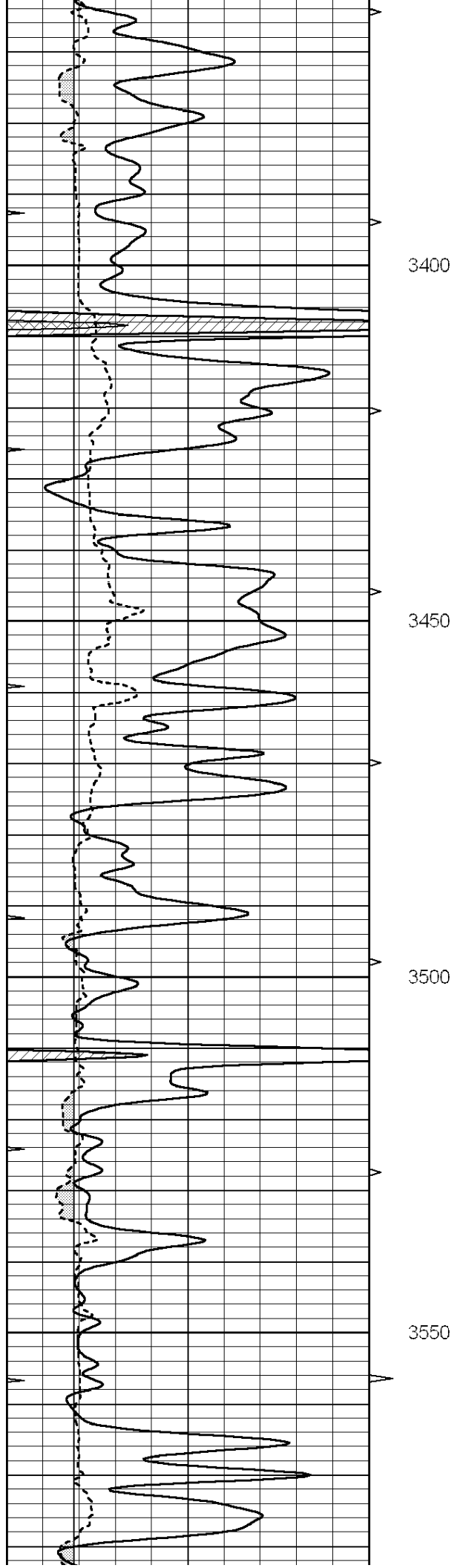
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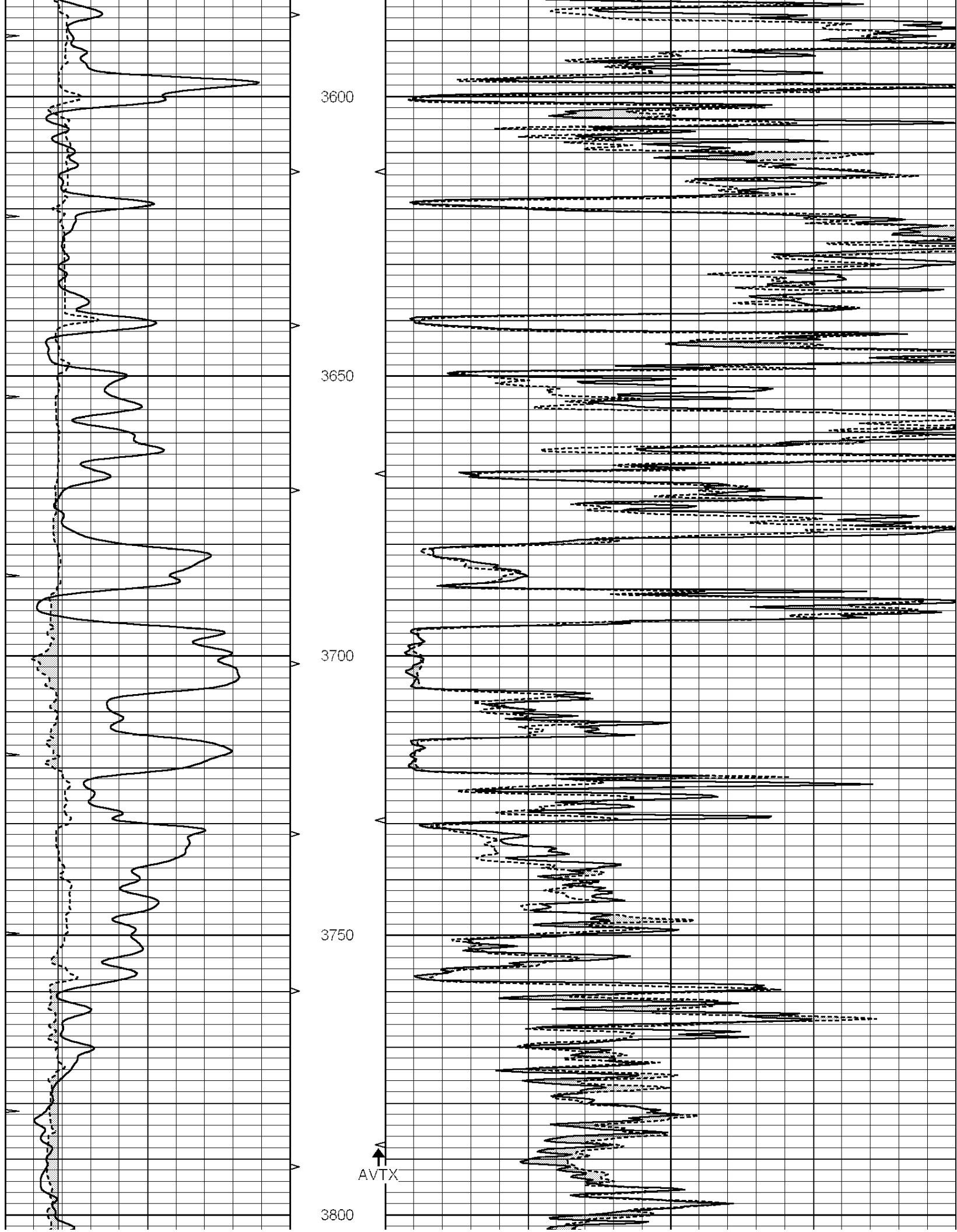
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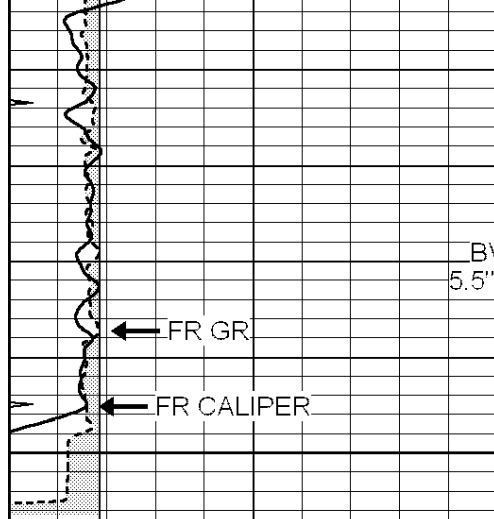
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3350



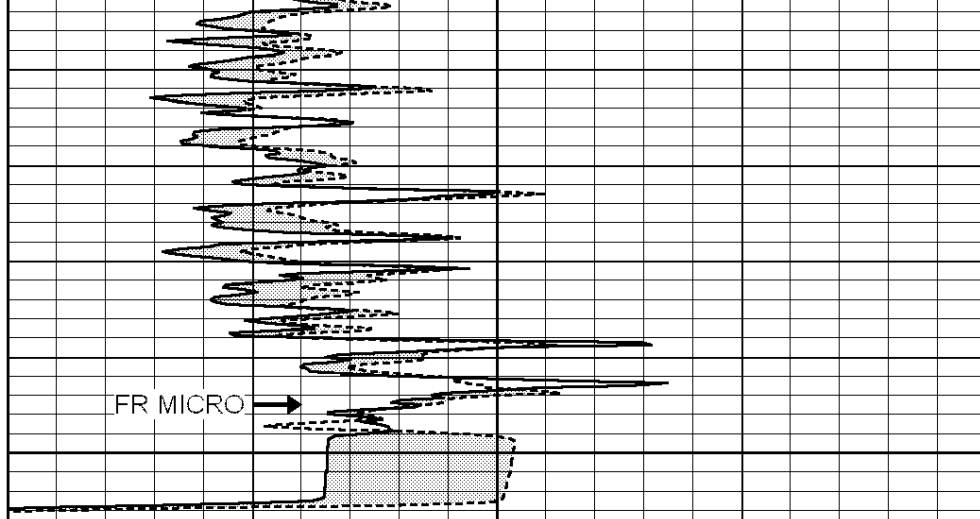






0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

LTD 3847
3850



0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

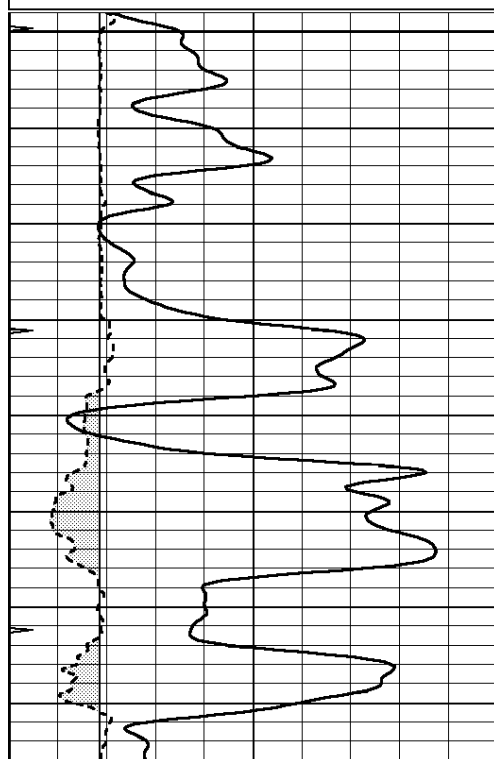


REPEAT SECTION

Database File: 010179ddn.db
 Dataset Pathname: pass7.4
 Presentation Format: _micro
 Dataset Creation: Mon May 20 19:14:06 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

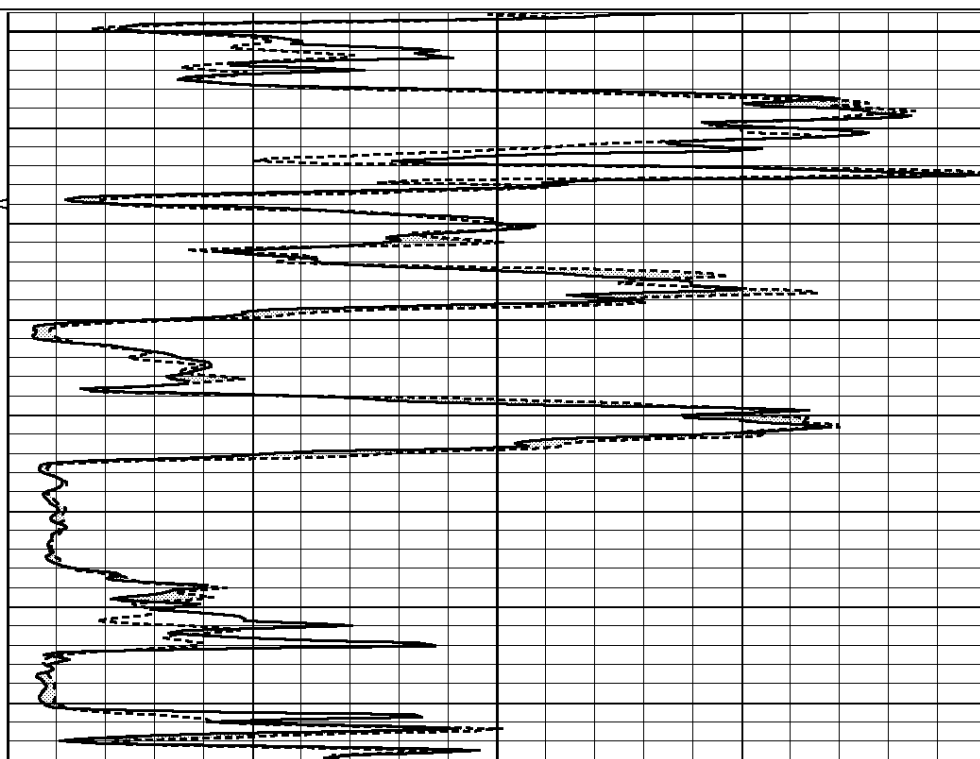
0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

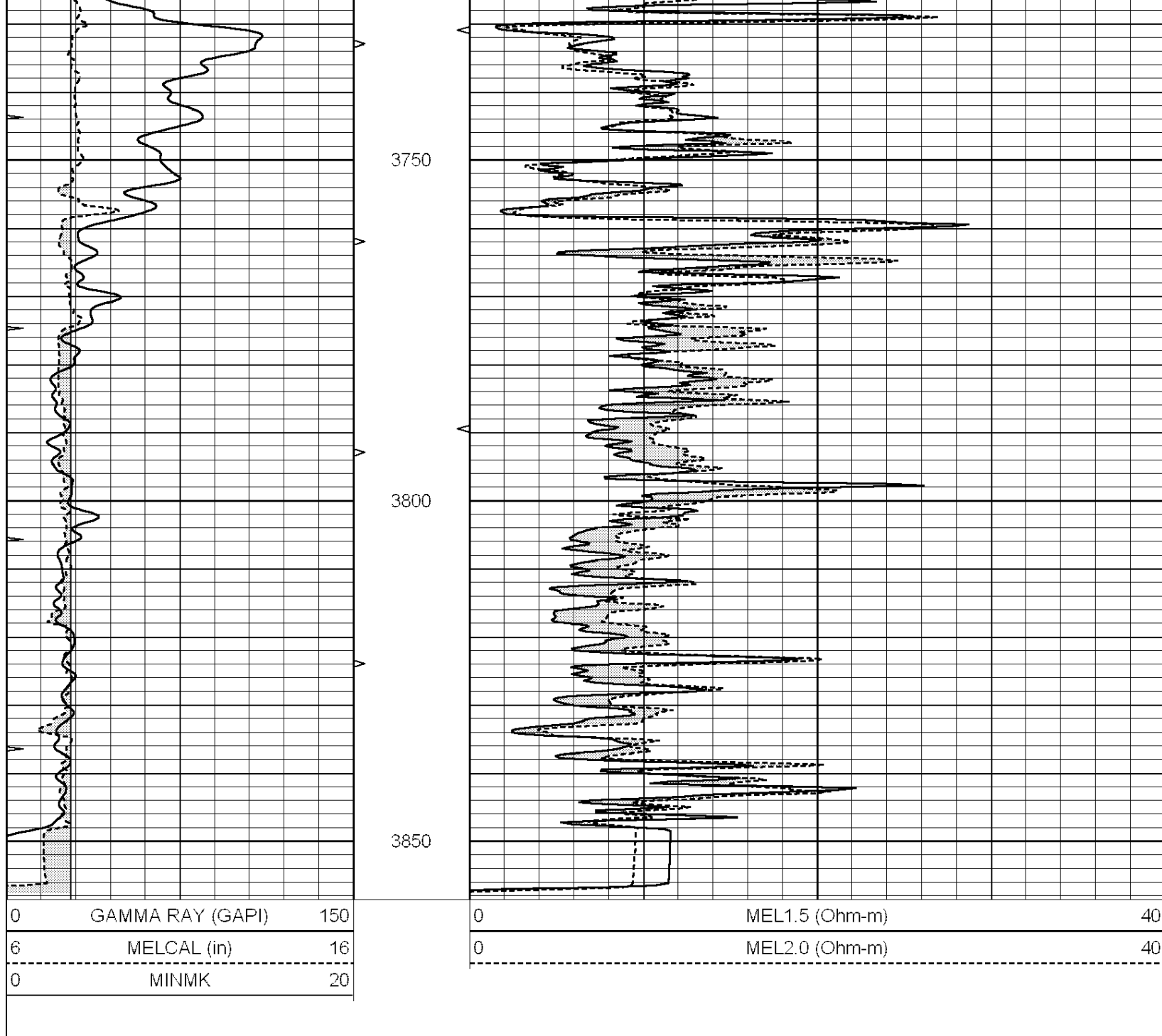
0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



3650

3700





Calibration Report

Database File: 010179ddn.db
Dataset Pathname: pass8.2
Dataset Creation: Mon May 20 19:41:22 2013 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO4
Tool Model: PROBE
Performed: Sun May 19 15:13:16 2013

Caliper Calibration:	Gain=2.725	Offset=-6.814
References	Low Cal 8.500	High Cal 14.000
Readings	5.584	7.602

1.5" Calibration:	Gain=28.000	Offset=-1.500
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References	Low Cal 0.000	High Cal 20.000
Readings	0.009	1.541
2" Calibration:	Gain=35.000	Offset=-1.200
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.198
Gamma Ray Calibration Report		
Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Mon May 20 19:22:30 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9500	GAPI/cps