



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	RAYMOND OIL COMPANY, INC.		
Well	BROBST - MORRIS #1		
Field	WILDCAT		
County	GRAHAM	State	KANSAS
Location:	API # : 15-065-23975 1110' FSL & 1560' FEL 45' S & 75' W OF NE-NE-SW-SE SEC 12 TWP 6S RGE 21W		Other Services CDL/CNL DIL
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 12' A.G.L. KELLY BUSHING		Elevation K.B. 2200 D.F. G.L. 2188
Date	10-14-13		
Run Number	TWO		
Depth Driller	3731		
Depth Logger	3732		
Bottom Logged Interval	3729		
Top Log Interval	3000		
Casing Driller	268		
Casing Logger	268		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2 / 74		
pH / Fluid Loss	9.5 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.50 @ 70F		
Rmf @ Meas. Temp	1.13 @ 70F		
Rmc @ Meas. Temp	1.80 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.940 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:30 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	PAT BALTHAZAR	ROBERT TURNER	

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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: JCT. OF K-18 & K-24 1/4E TO RD. 360, 9N TO RD. AA, 4E TO RD. 400, 1 1/2N, W INTO.



NABORS

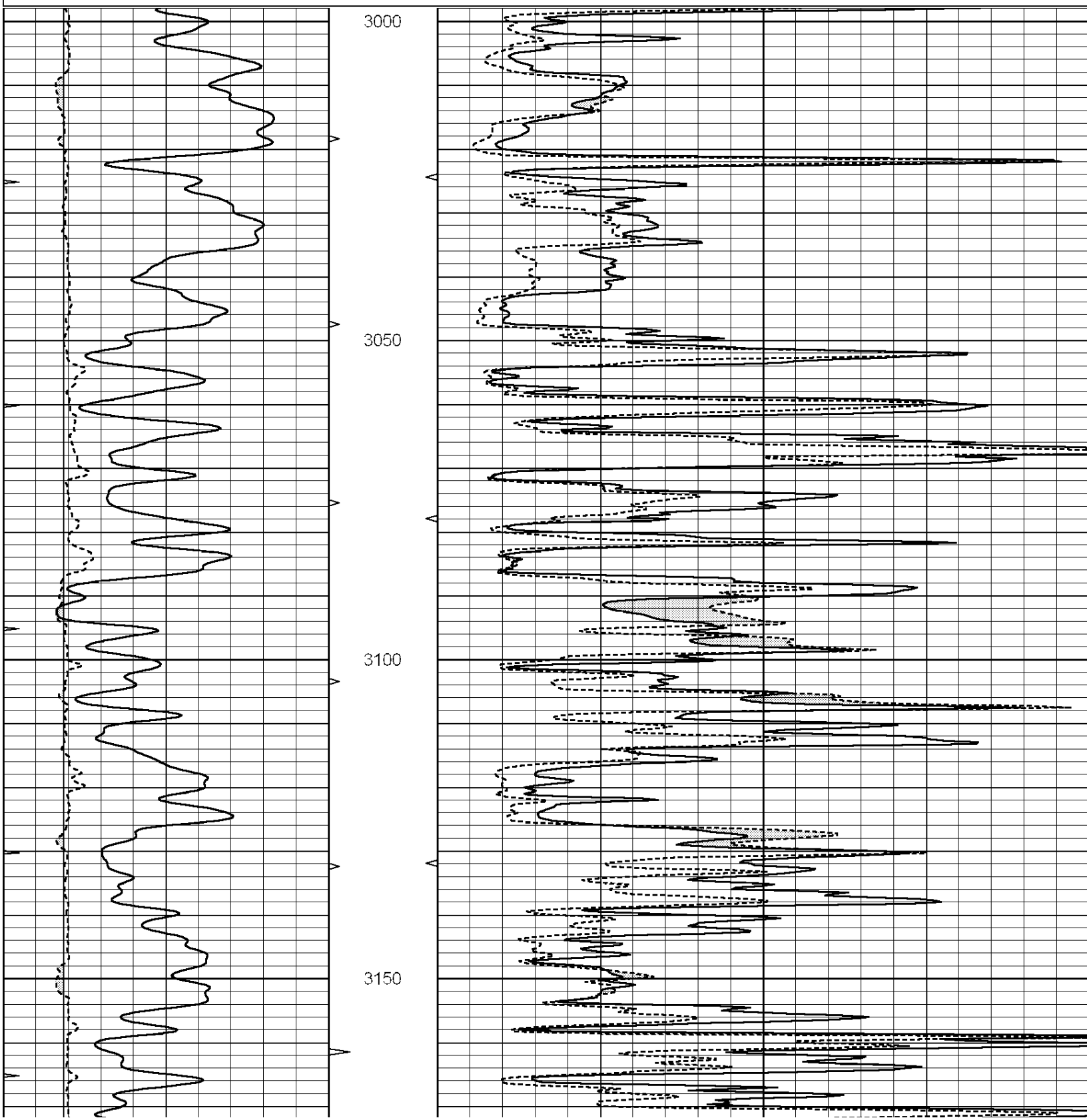
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& PRODUCTION**

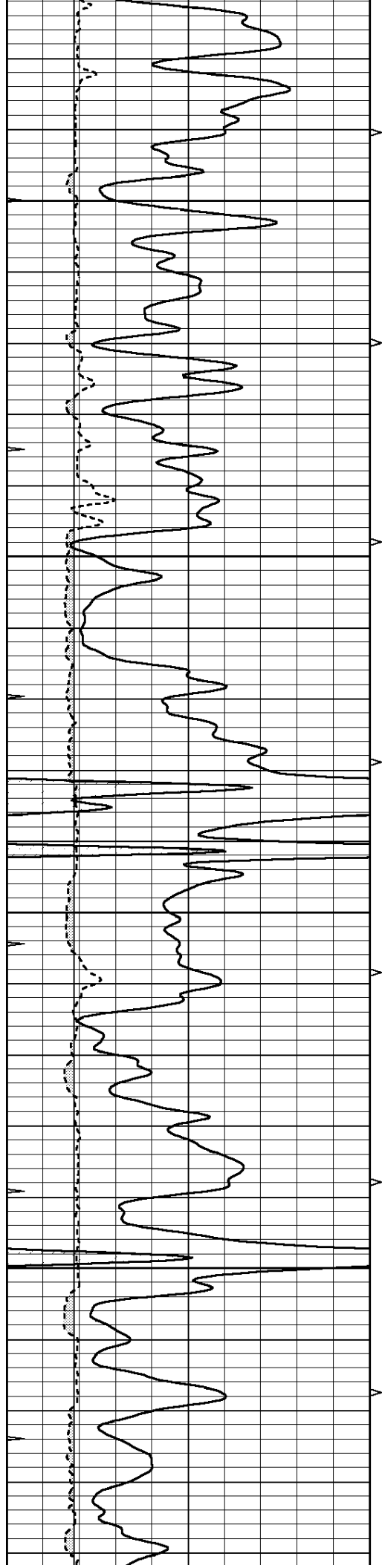
MAIN SECTION

Database File: 010217ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Mon Oct 14 03:15:03 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



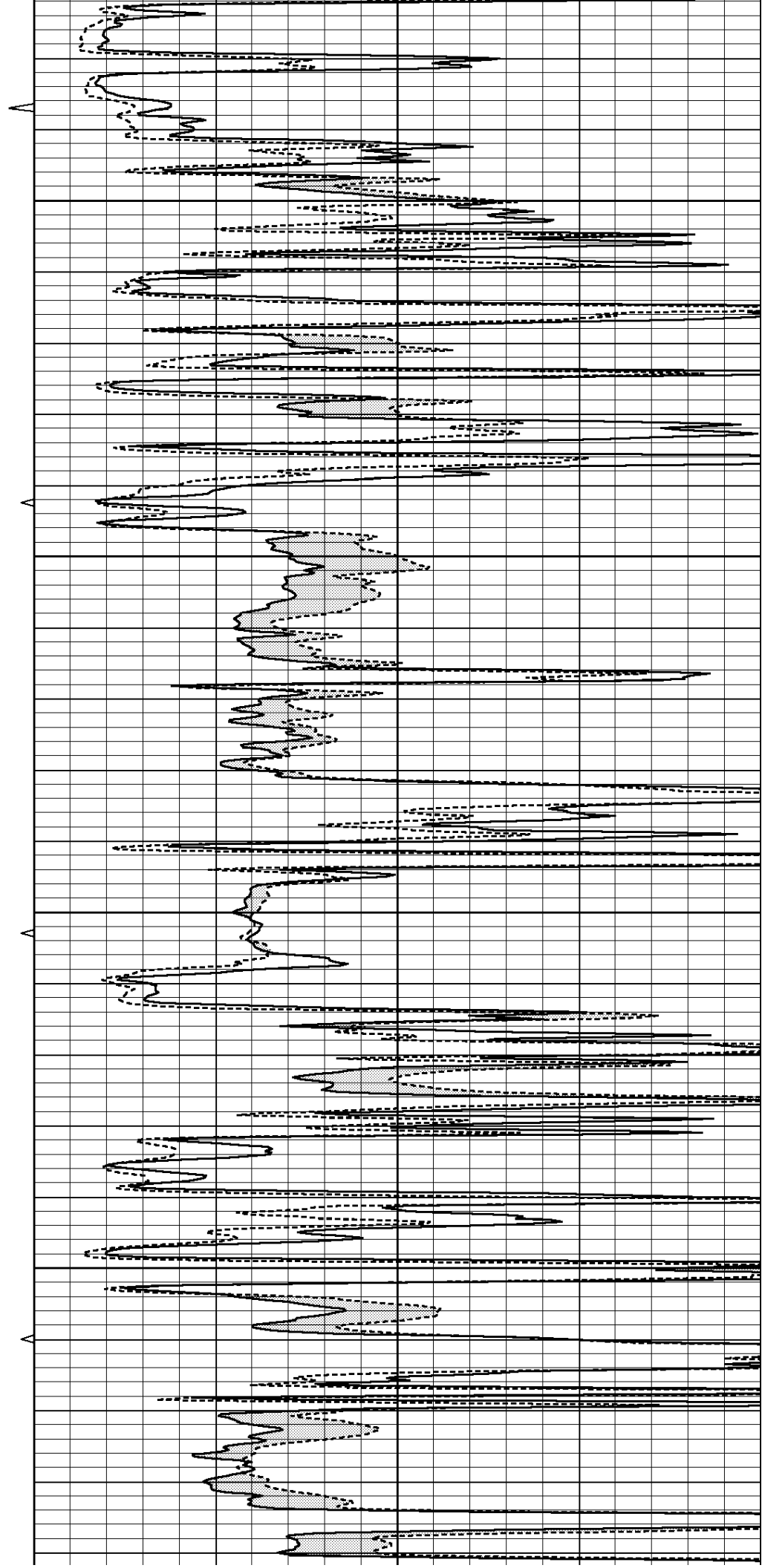


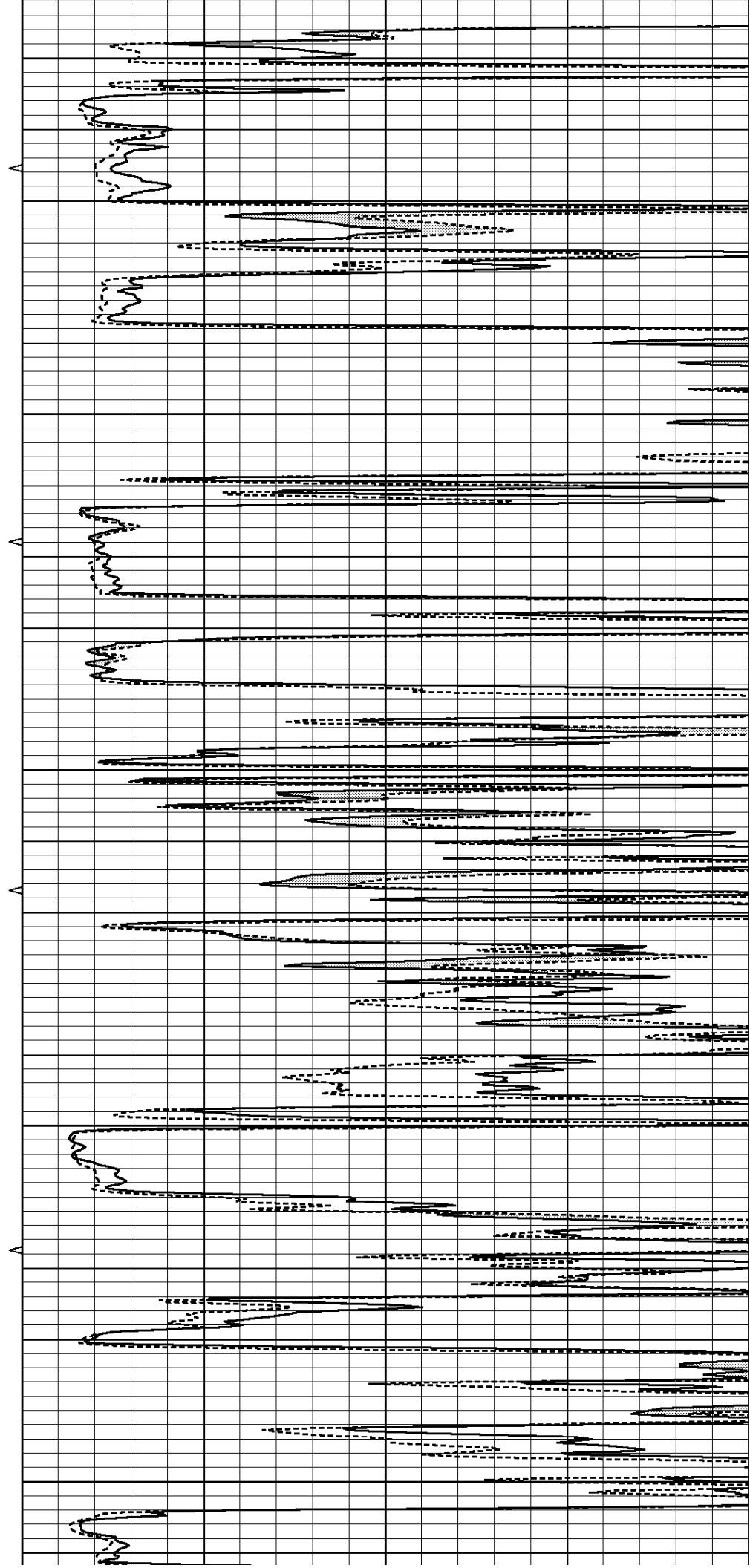
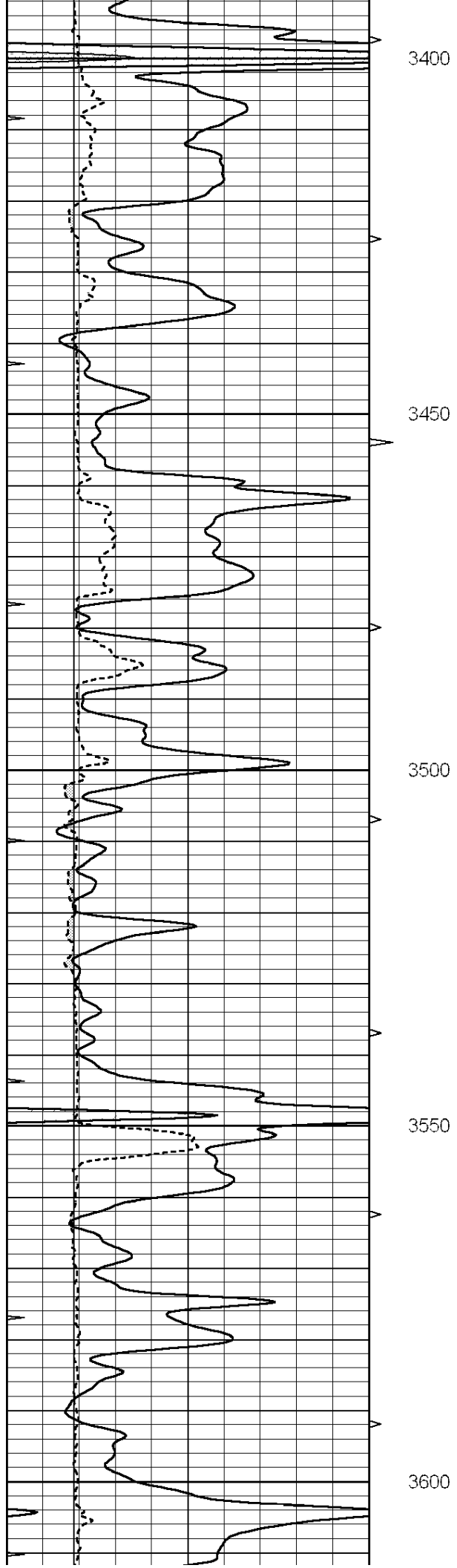
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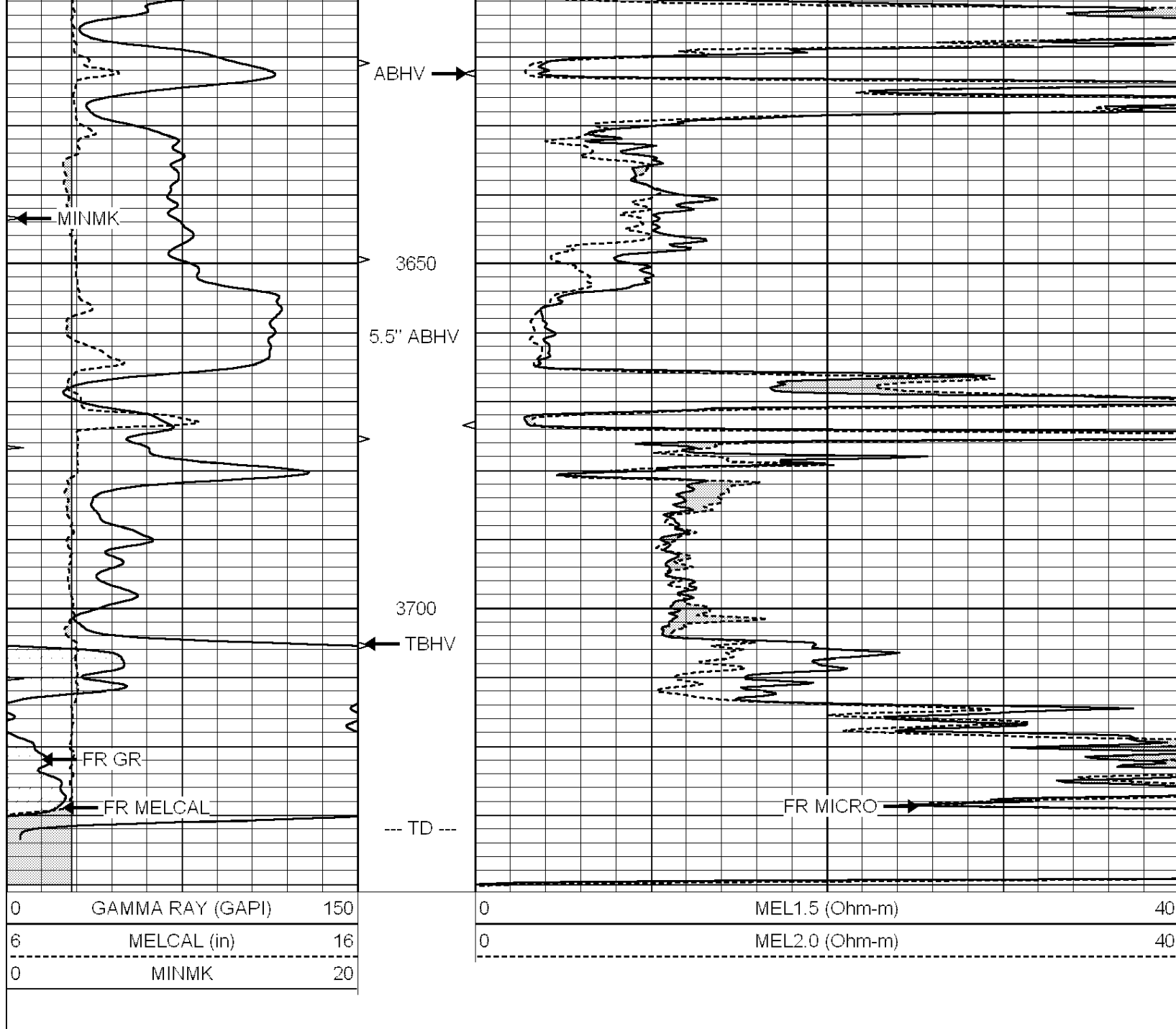
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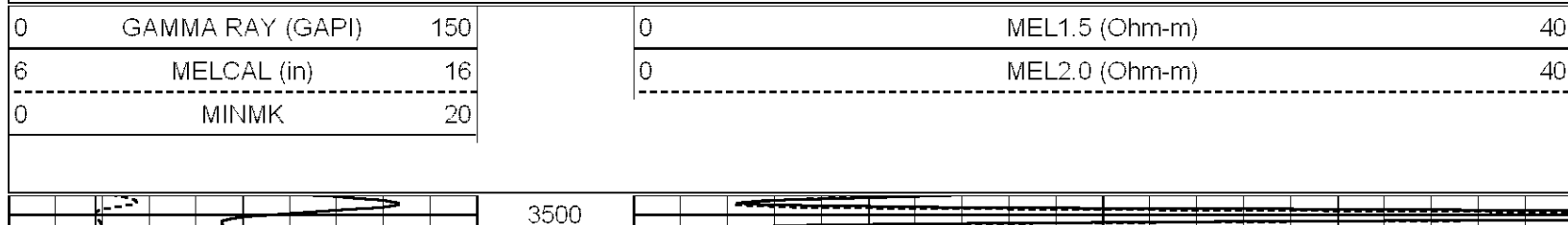


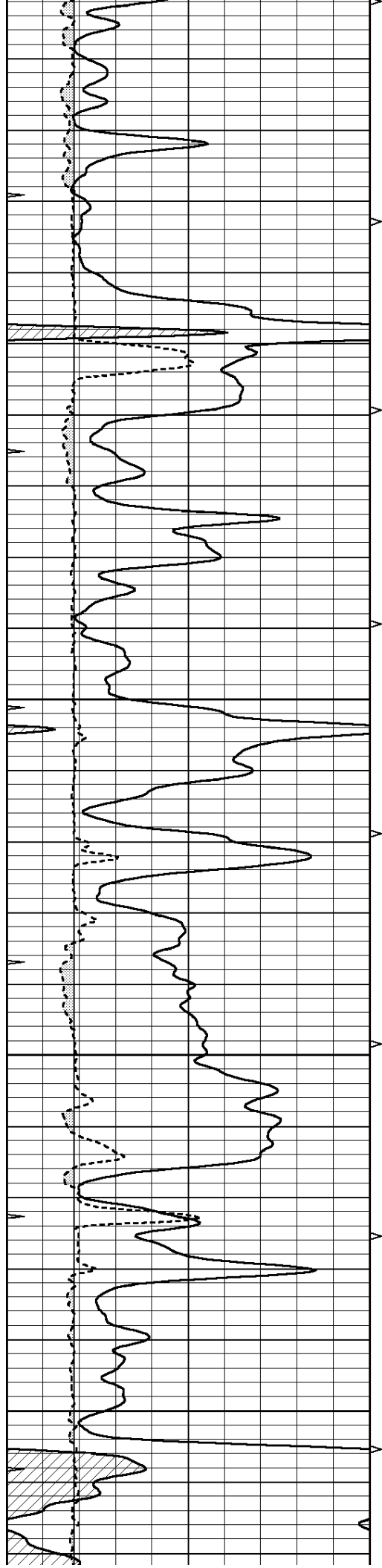




REPEAT SECTION

Database File: 010217ddn.db
 Dataset Pathname: pass4.A
 Presentation Format: _micro
 Dataset Creation: Mon Oct 14 03:19:00 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240



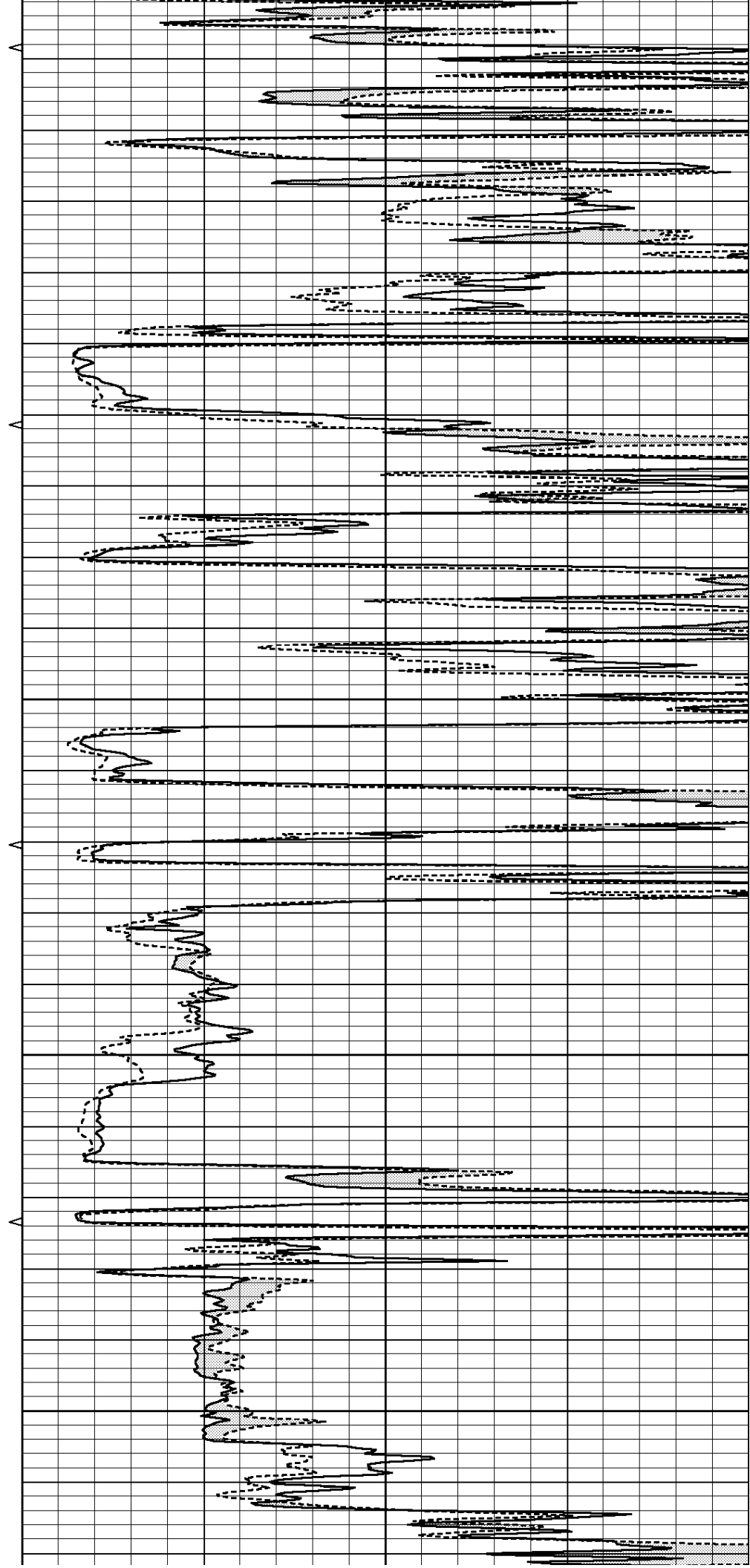


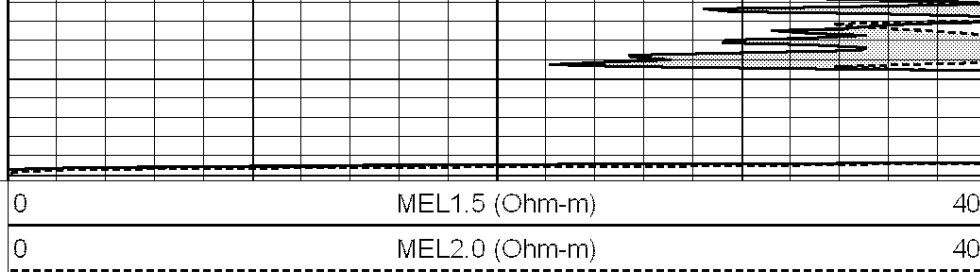
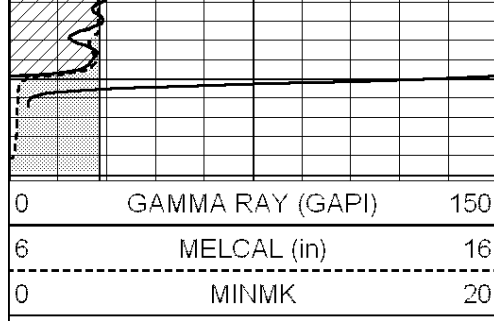
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3650

3700





Calibration Report

Database File: 010217ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Mon Oct 14 03:15:03 2013 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO4	
Tool Model:	PROBE	
Performed:	Mon Oct 14 02:58:56 2013	
Caliper Calibration:	Gain=1.800	Offset=-2.450
References	Low Cal	High Cal
Readings	8.600	14.000
	5.584	7.602
1.5" Calibration:	Gain=36.000	Offset=-0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	1.541
2" Calibration:	Gain=38.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.198

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Mon Oct 14 02:50:57 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps