



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	GATEWAY RESOURCES, LLC.		
Well	WORCESTER "A" #1-8		
Field	WILDCAT		
County	GRAHAM	State	KANSAS
Location:	API # : 15-065-23992		Other Services CDL/CNL DIL
900' FSL & 375' FEL			
SEC 8 TWP 7S RGE 22W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2314
Log Measured From	KELLY BUSHING 5' A.G.L.		K.B. 2319
Drilling Measured From	KELLY BUSHING		D.F. G.L. 2314
Date	11-23-13		
Run Number	TWO		
Depth Driller	3910		
Depth Logger	3910		
Bottom Logged Interval	3907		
Top Log Interval	3100		
Casing Driller	219		
Casing Logger	219		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0 / 47		
pH / Fluid Loss	9.5 / 6.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.30 @ 54F		
Rmf @ Meas. Temp	0.98 @ 54F		
Rmc @ Meas. Temp	1.56 @ 54F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.620 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5:30 A.M.		
Maximum Recorded Temperature	114F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	GARY F. GENSCH		

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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: HILL CITY, 5N TO V RD., 2 1/2E, 1N, 1/2E, N INTO.



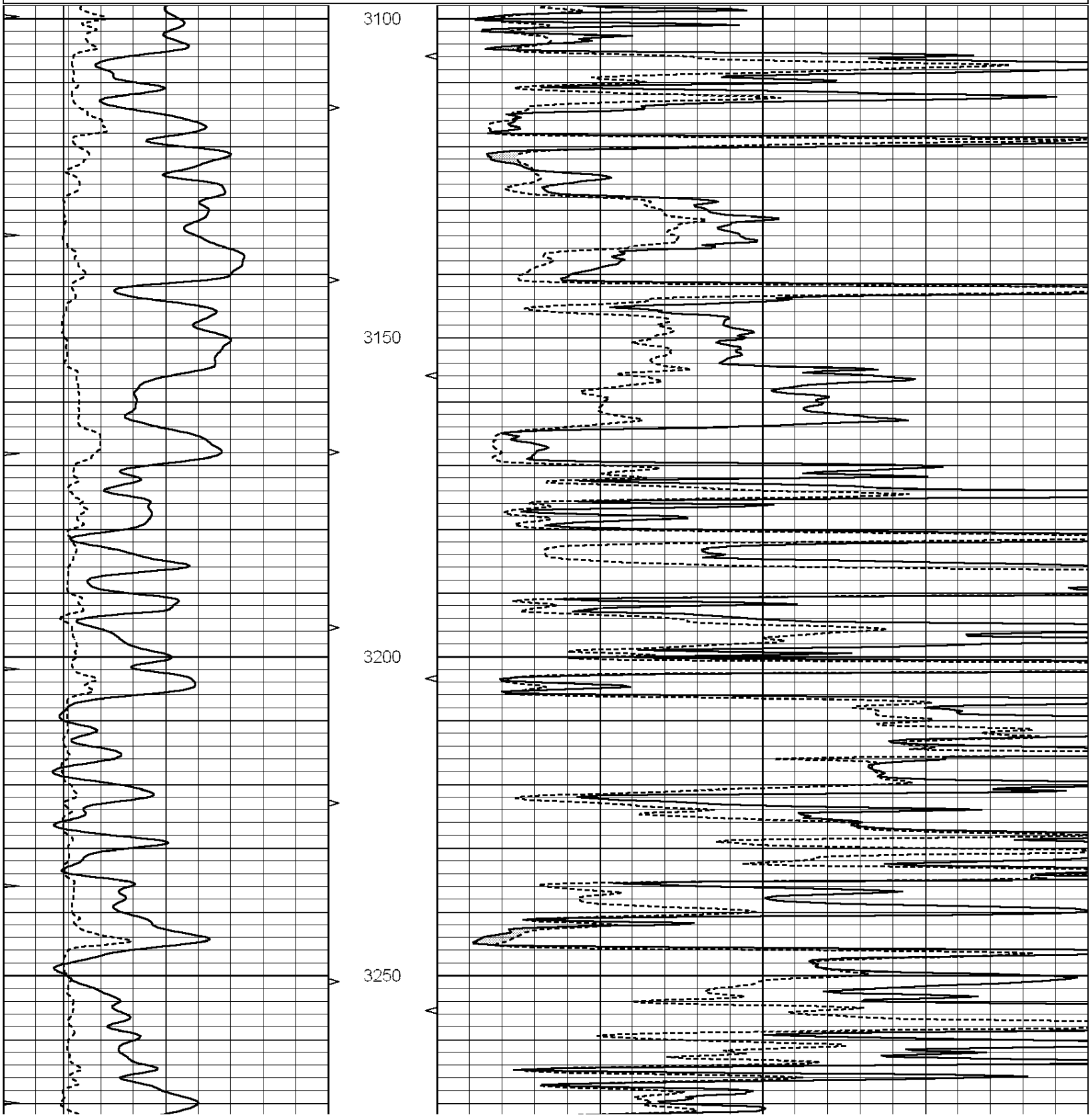
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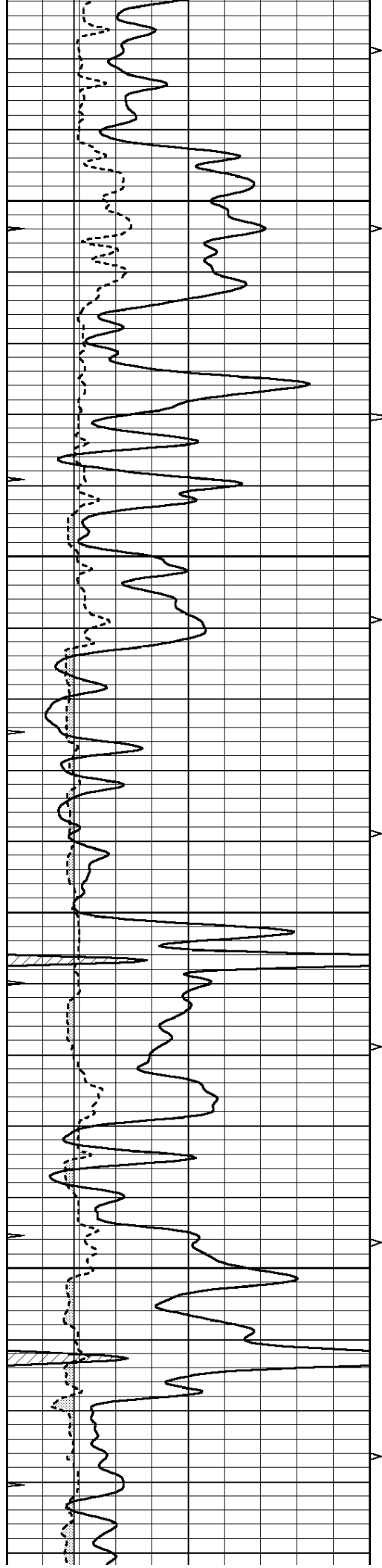
MAIN SECTION

Database File: 012043ddn.db
 Dataset Pathname: pass7.2
 Presentation Format: _micro
 Dataset Creation: Sat Nov 23 09:31:40 2013
 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



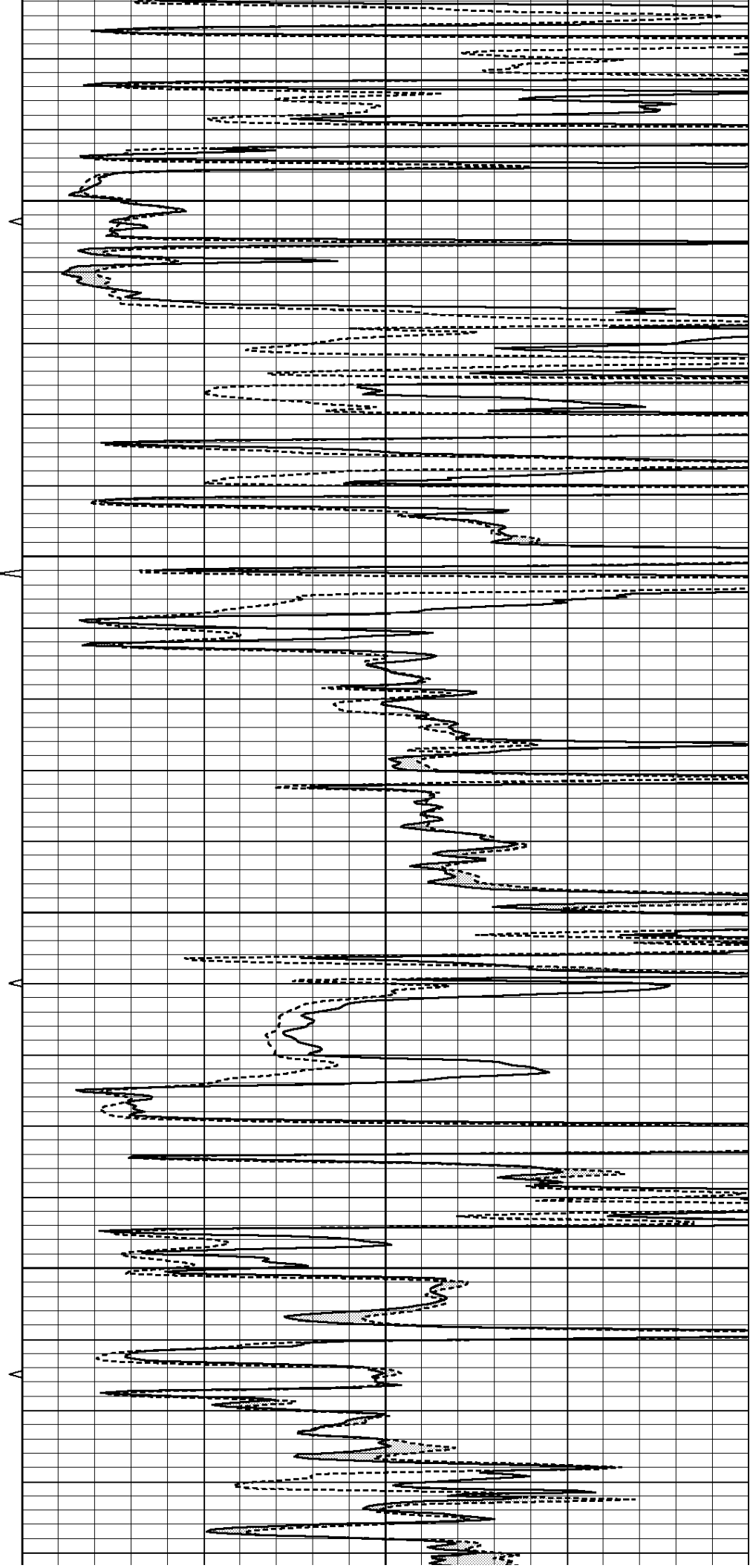


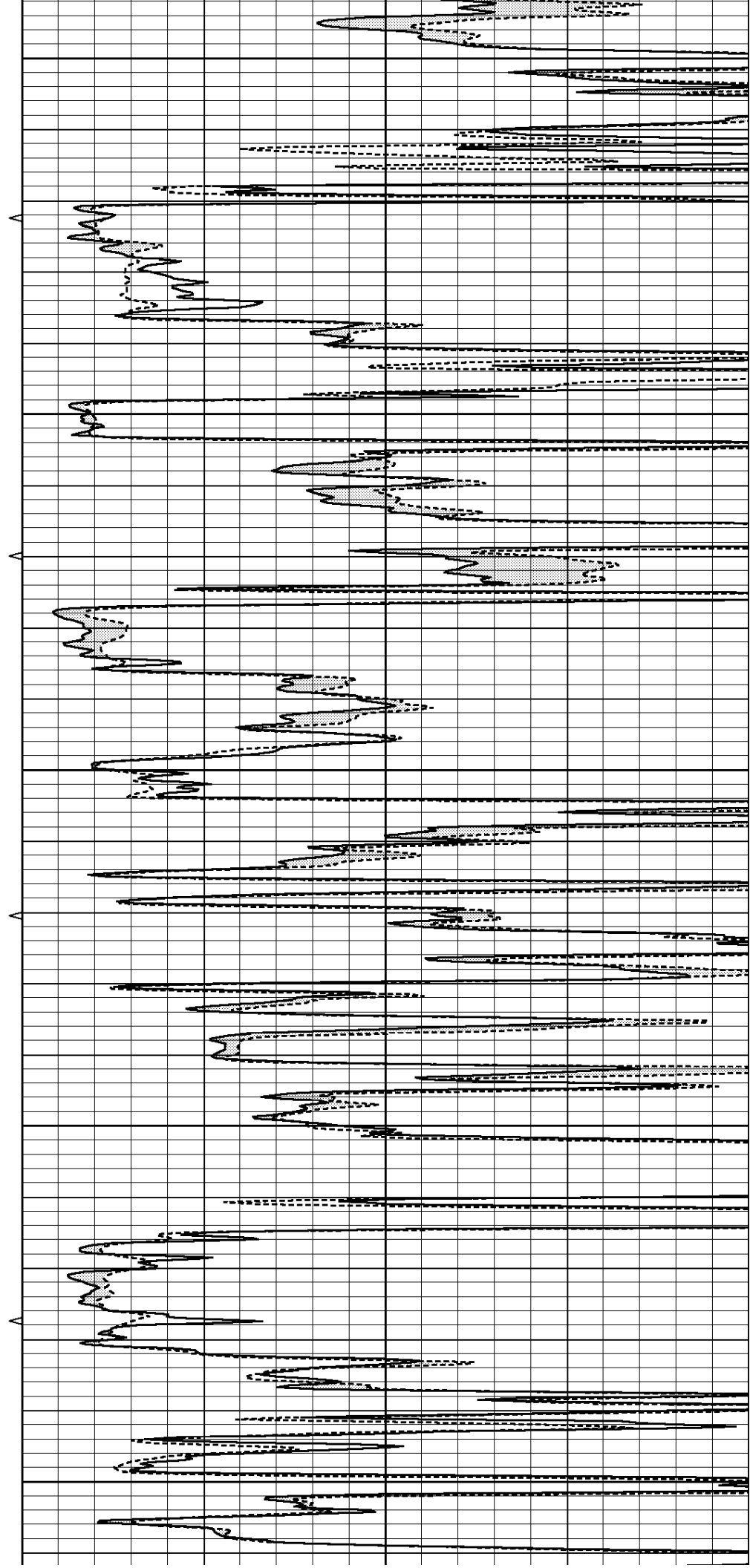
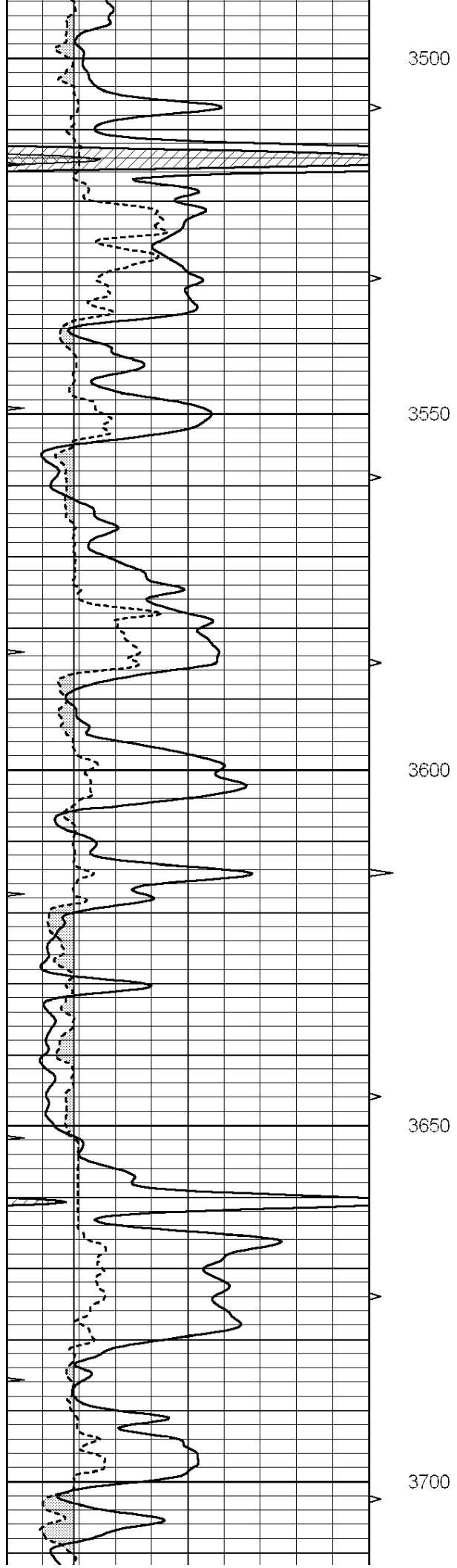
3300

3350

3400

3450







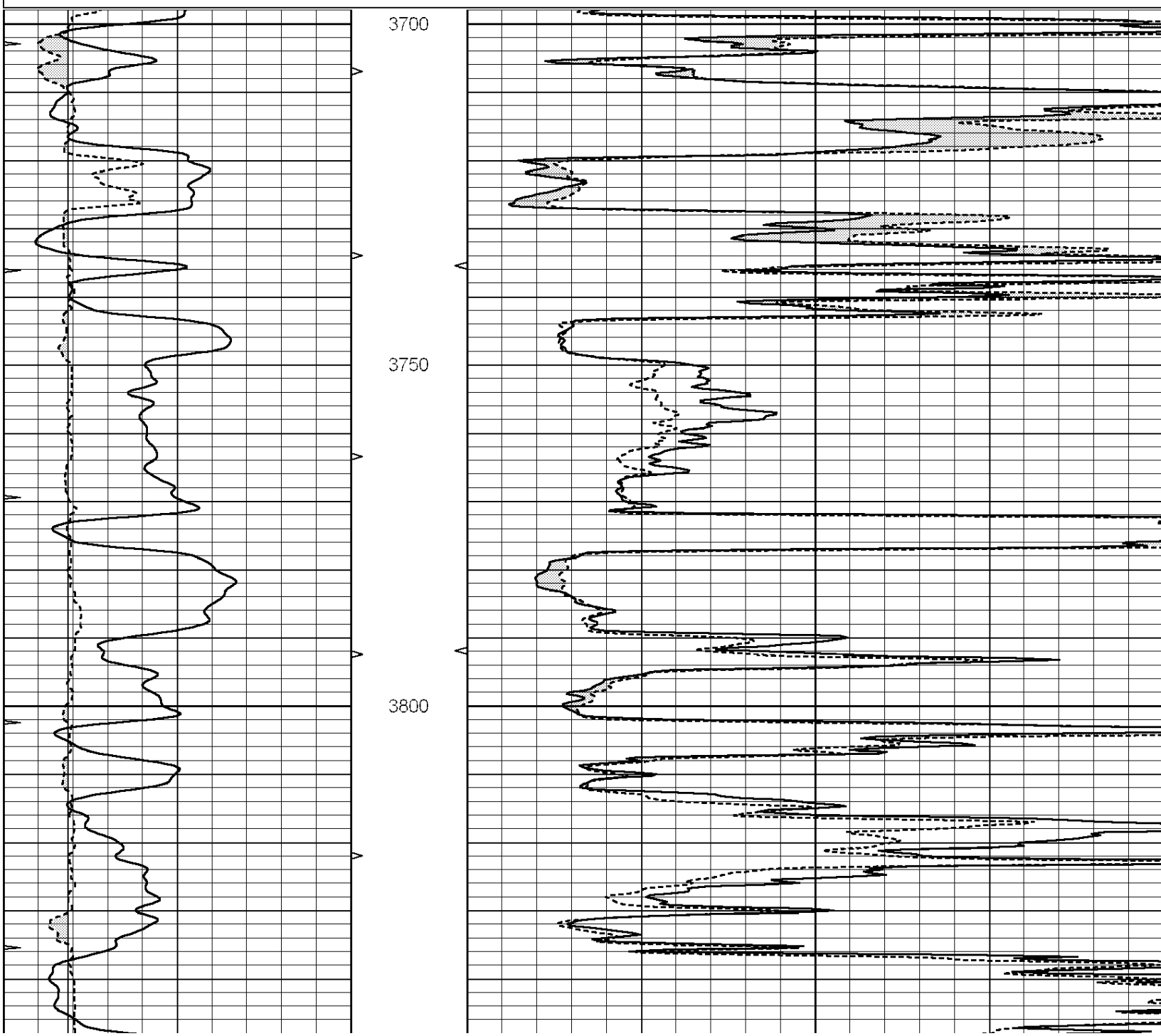
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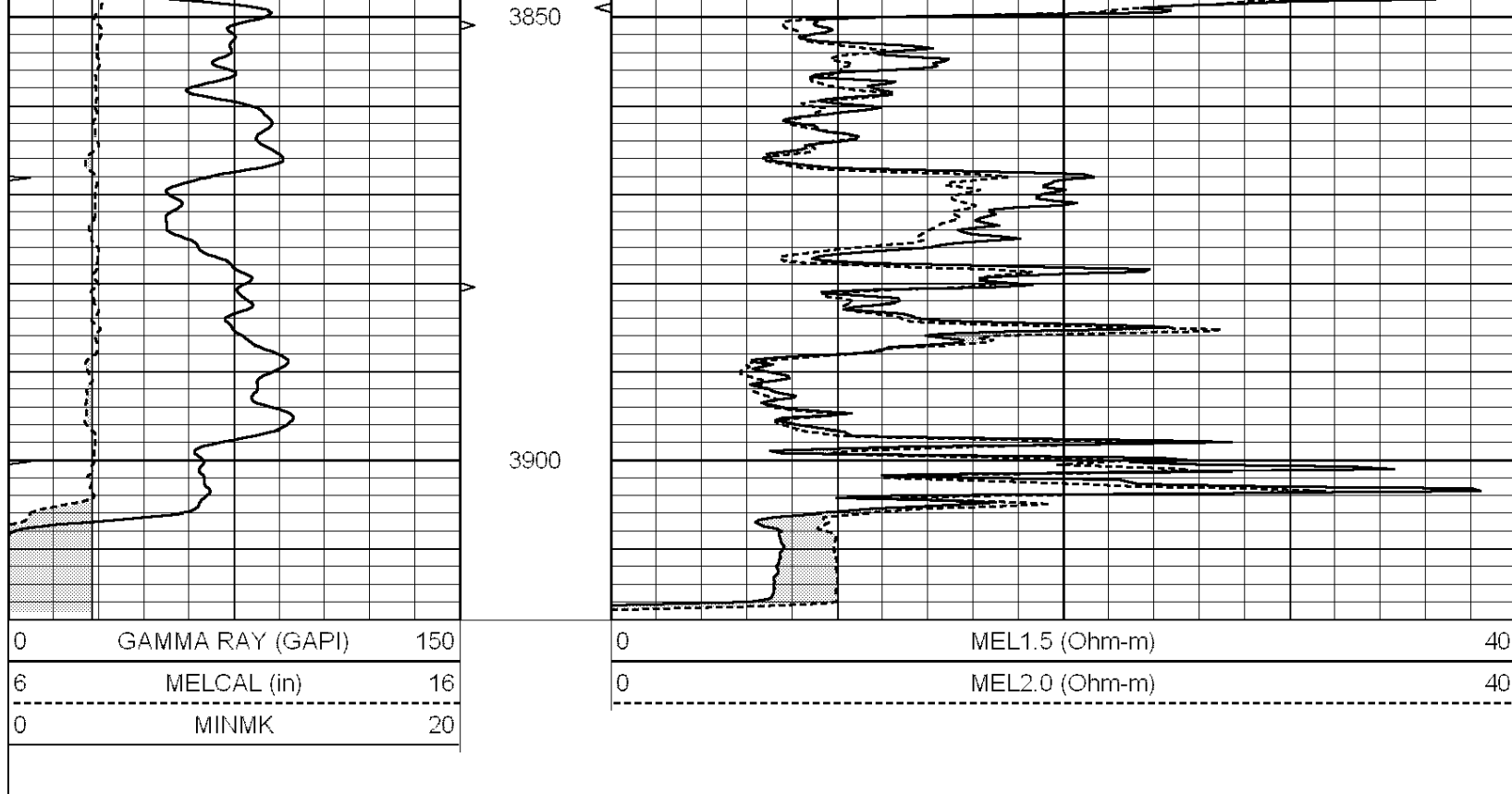
REPEAT SECTION

Database File: 012043ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Sat Nov 23 08:51:37 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





Calibration Report

Database File: 012043ddn.db
 Dataset Pathname: pass7.2
 Dataset Creation: Sat Nov 23 09:31:40 2013

MICRO Calibration Report

Serial Number:	Micro1	
Tool Model:	ProbeL	
Performed:	Sat Nov 23 08:59:16 2013	
Caliper Calibration:	Gain=2.606	Offset=-1.400
References	Low Cal	High Cal
Readings	7.400	12.000
	3.327	5.092
1.5" Calibration:	Gain=160.000	Offset=-5.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.010	0.717
2" Calibration:	Gain=65.000	Offset=-1.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.025	0.821

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Sat Nov 23 08:59:09 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:

0.7800

GAPI/cps