



SUPERIOR
Hays,
Kansas

MICRO LOG

Company DOWNING - NELSON OIL CO. INC.
Well NICKELSON - LLOYD UNIT #1-23
Field GLEN DALE SOUTH
County GRAHAM
State KANSAS

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County GRAHAM State KANSAS

Location: API # : 15-065-23776-0000
100' FSL & 335' FWL
SE - SW - SW - SW
SEC 23 TWP 9S RGE 24W
Permanent Datum GROUND LEVEL Elevation 2479
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL
Elevation
K.B. 2487
D.F. 2485
G.L. 2479

Date	10/9/11		
Run Number	TWO		
Depth Driller	4100		
Depth Logger	4095		
Bottom Logged Interval	4093		
Top Log Interval	3300		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,000 PPM	
Density / Viscosity	8.7/48		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.950@60F		
Rmt @ Meas. Temp	.713@60F		
Rmc @ Meas. Temp	1.14@60F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.487@117F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	9:00 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MARC DOWNING		

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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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
WAKEENY, KS. 14N. ON HWY 283 TO "RED LINE RD.", 6W. TO "RD. 200", 1N., 1/8E., N. INTO

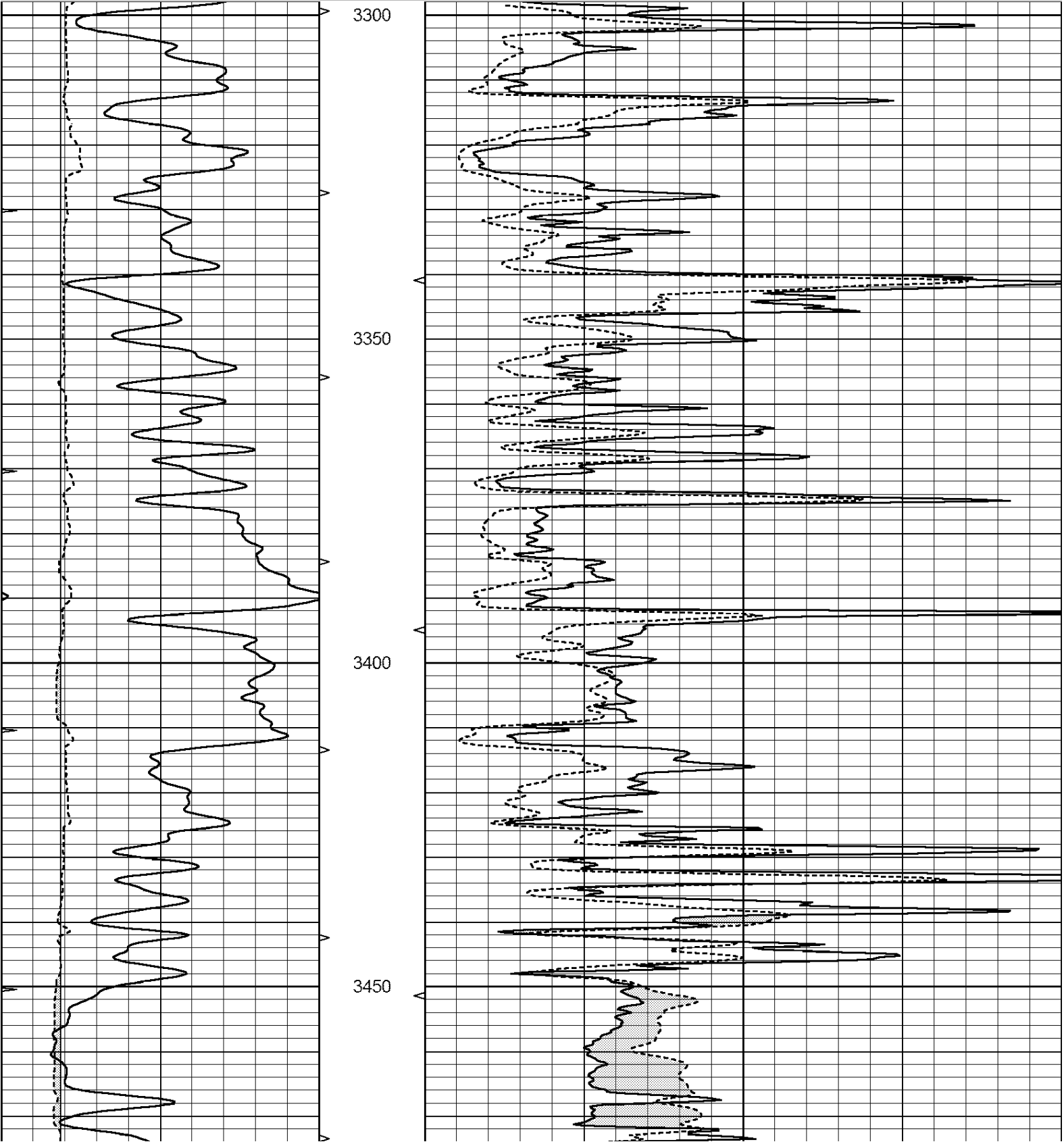


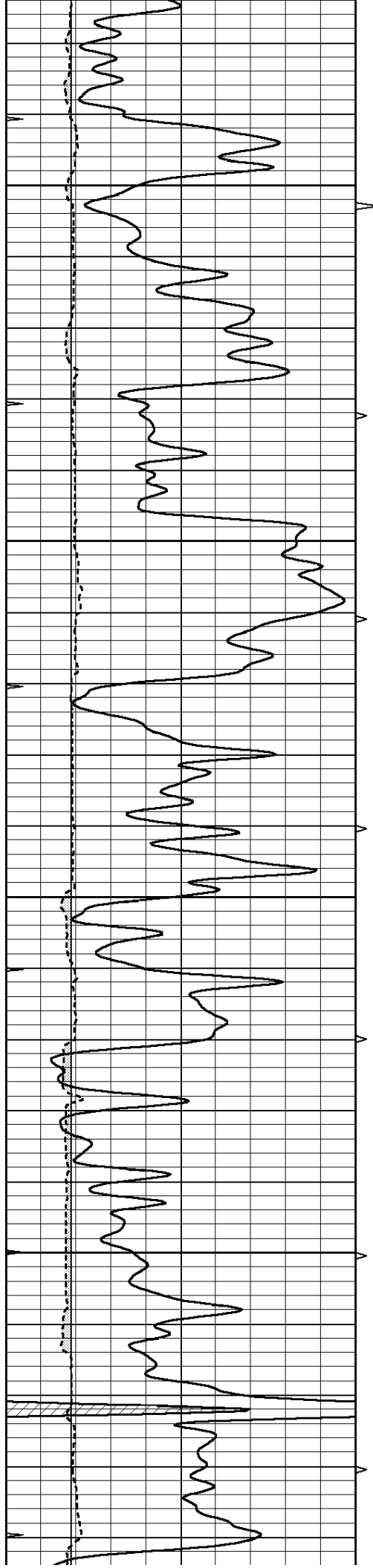
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MAIN SECTION

Database File: 007462ddn.db
Dataset Pathname: pass7.3
Presentation Format: micro
Dataset Creation: Sun Oct 09 12:24:28 2011
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
0	MINMK	20	TBHV			
			0 (ft3)	10		



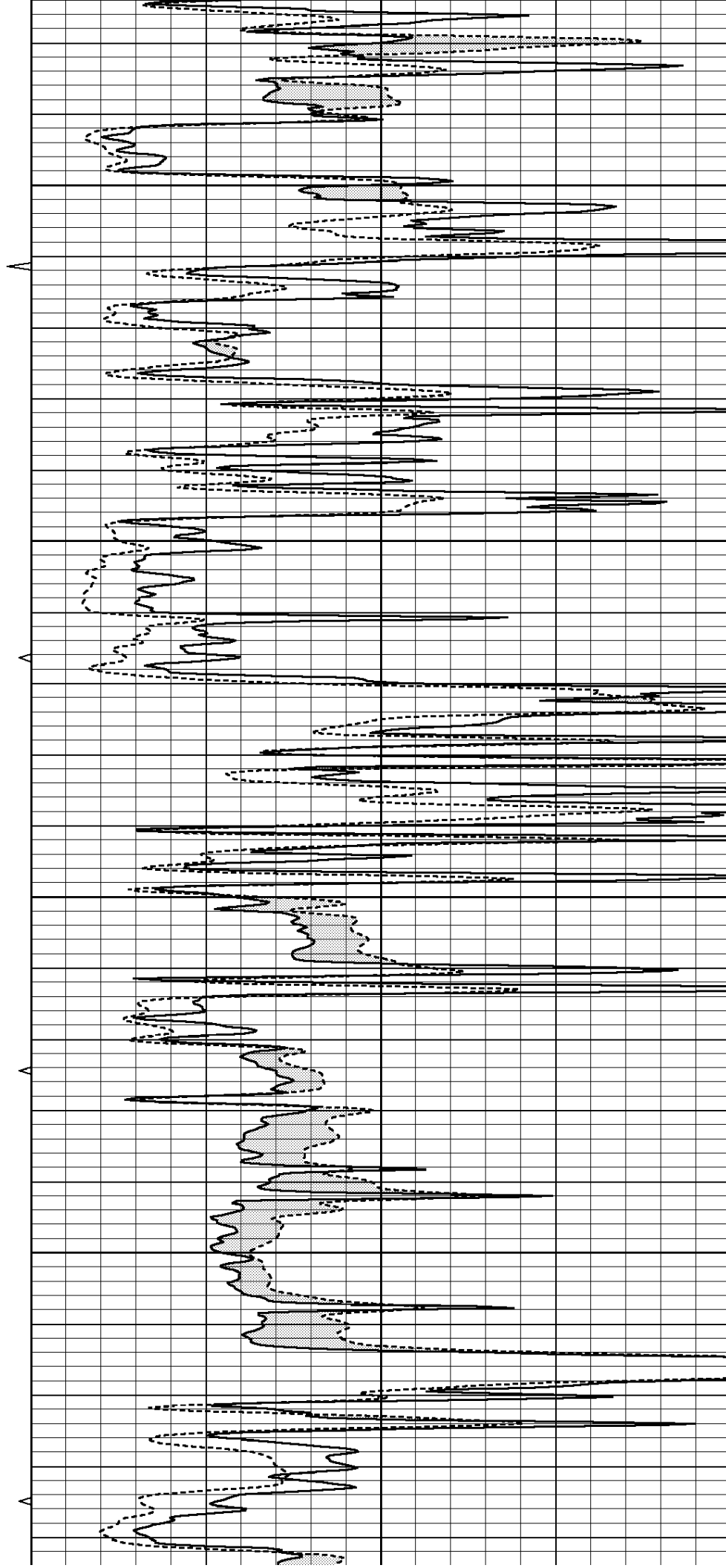


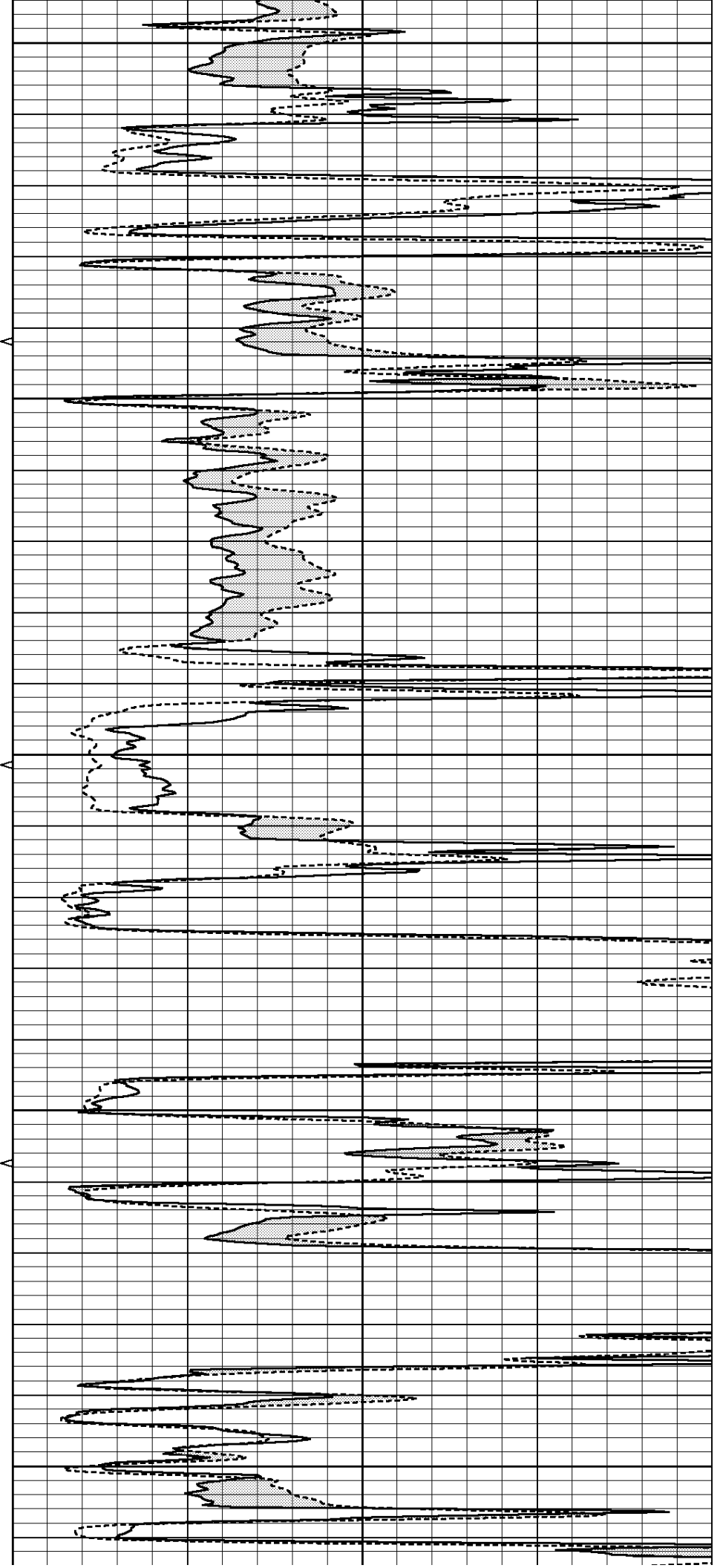
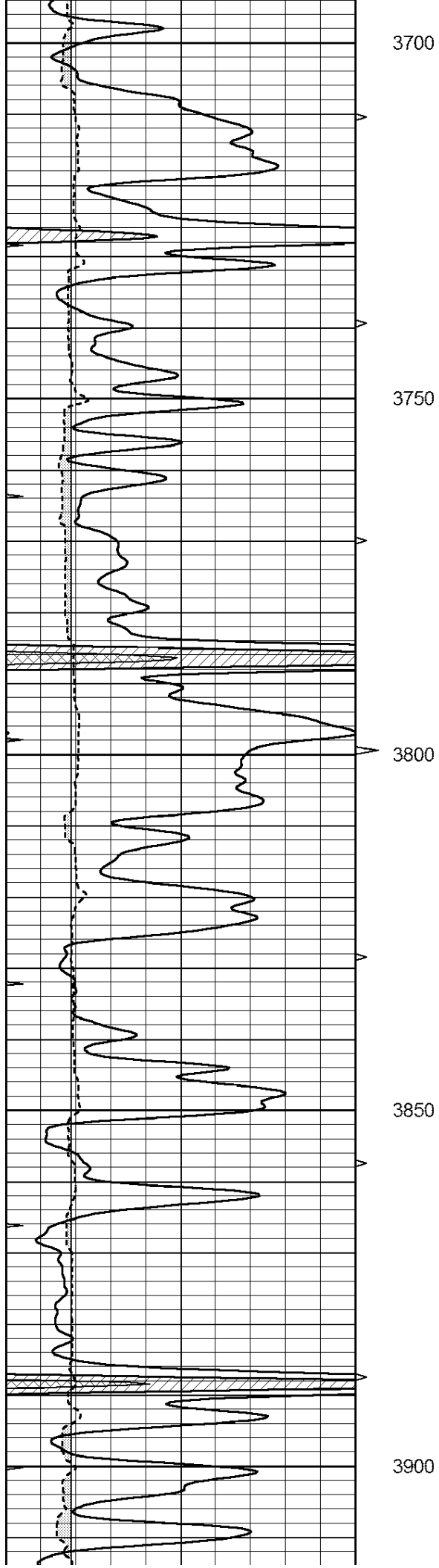
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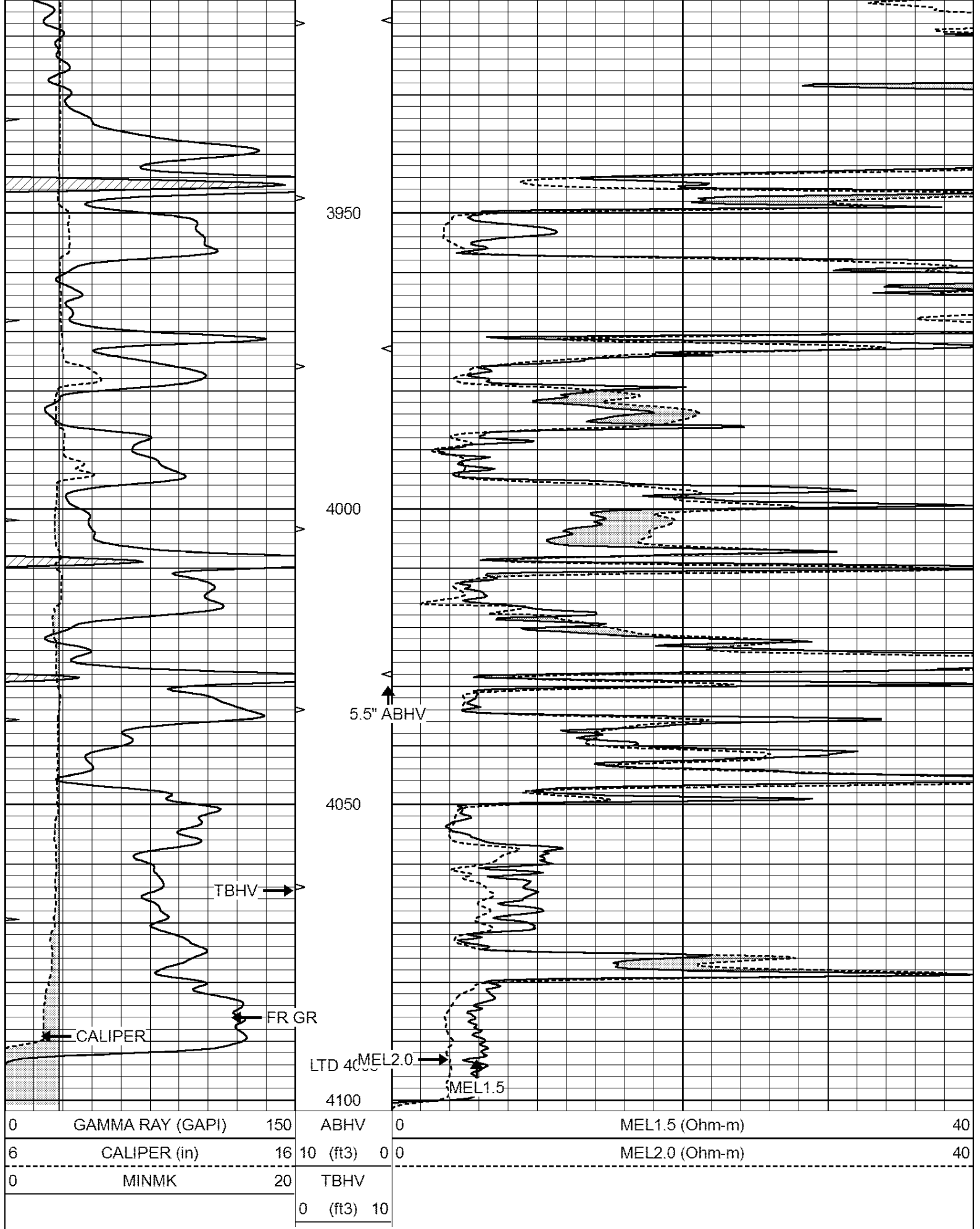
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3600

3650









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REPEAT SECTION

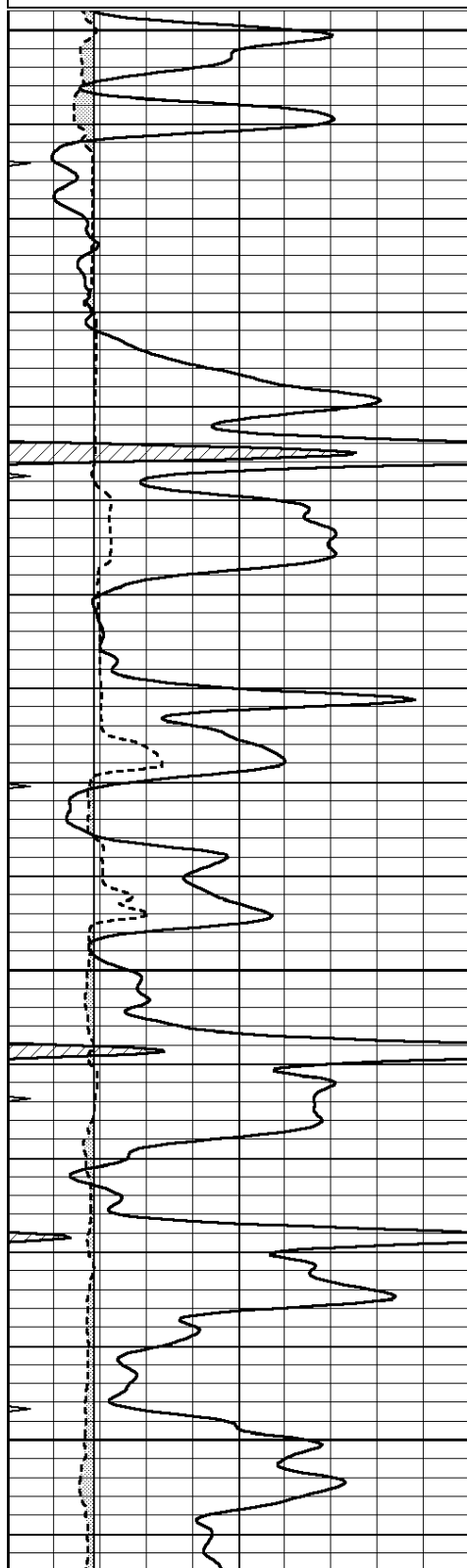
Database File: 007462ddn.db
Dataset Pathname: pass6.4
Presentation Format: micro
Dataset Creation: Sun Oct 09 11:52:24 2011
Charted by: Depth in Feet scaled 1:240

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

ABHV	0	10 (ft3)	10
TBHV	0	10 (ft3)	10

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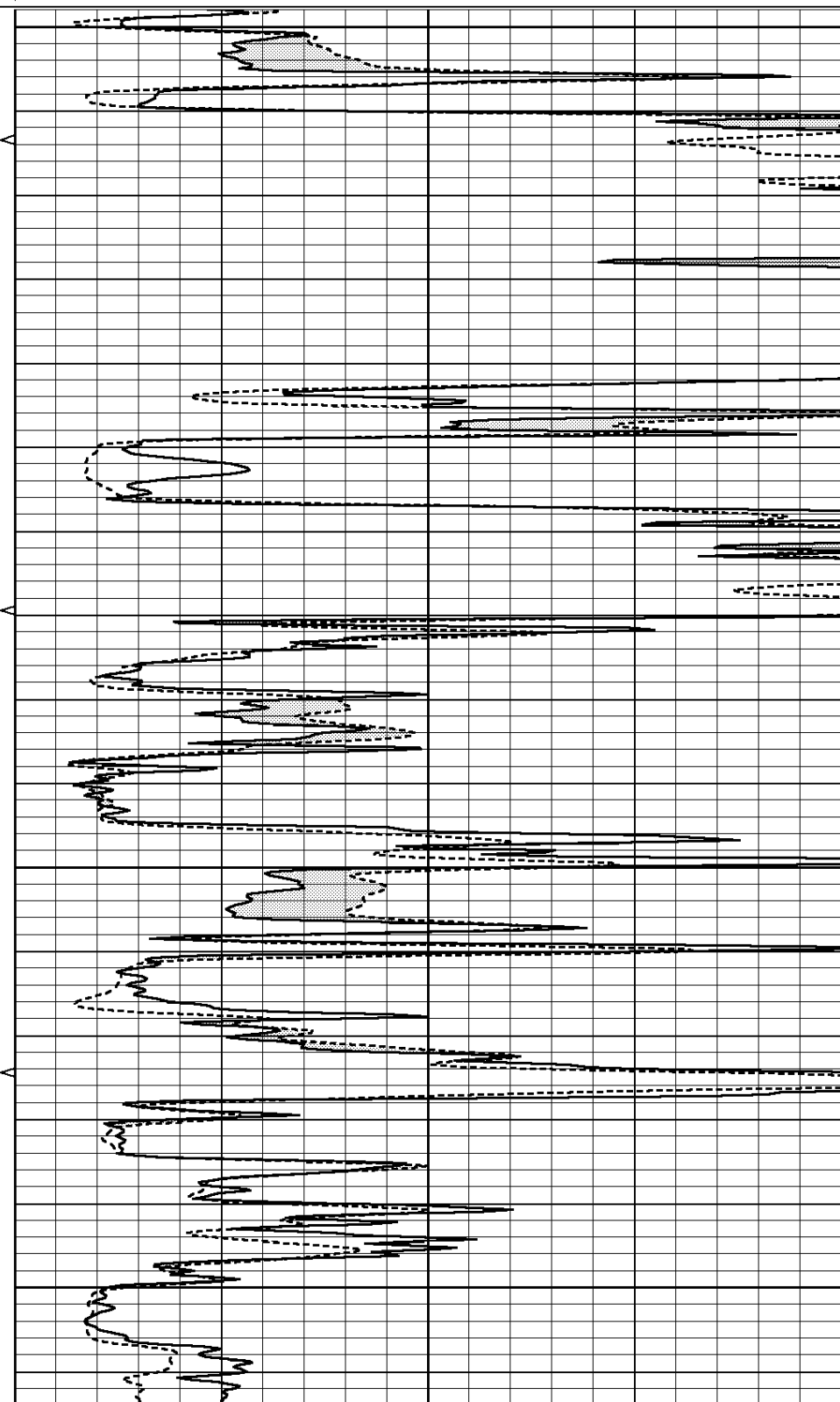


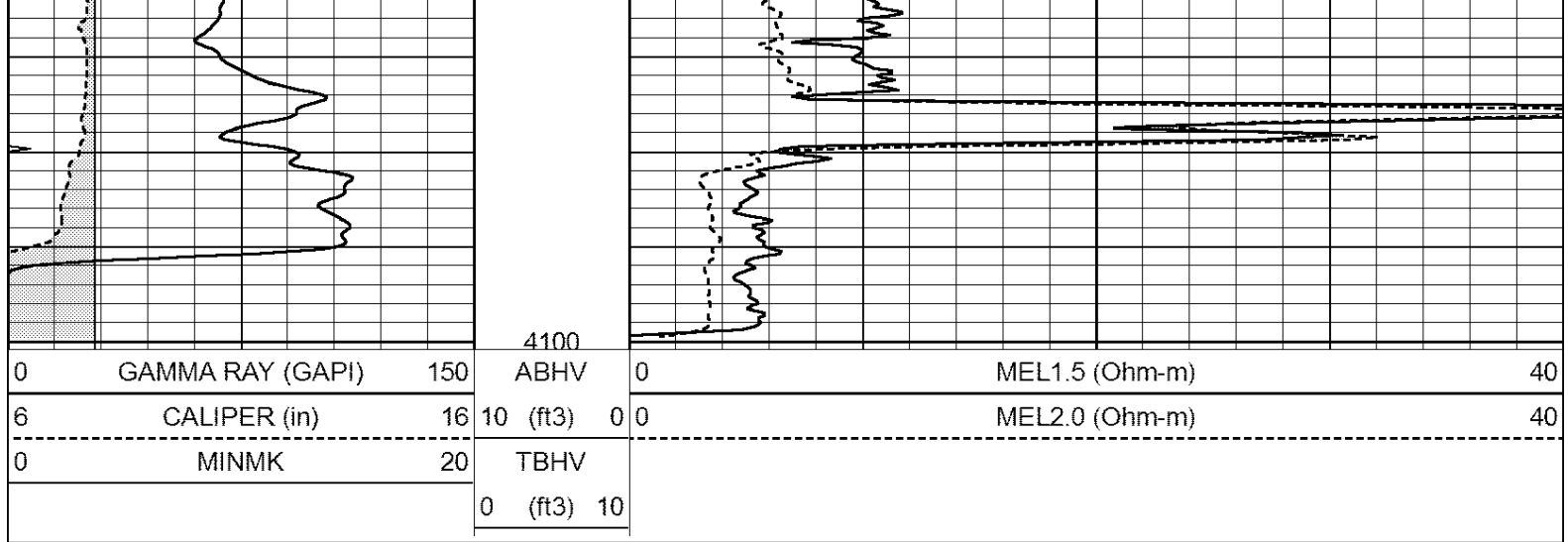
3900

3950

4000

4050





Calibration Report			
Database File:		007462ddn.db	
Dataset Pathname:		pass7.3	
Dataset Creation:		Sun Oct 09 12:24:28 2011	
MICRO Calibration Report			
Serial Number:		2	
Tool Model:		PROBE	
Performed:		Sun Oct 09 11:04:04 2011	
Caliper Calibration:		Gain=3.695	Offset=3.524
		Low Cal	High Cal
References		7.700	14.000
Readings		1.130	2.835
1.5" Calibration:		Gain=40.000	Offset=-0.800
		Low Cal	High Cal
References		0.000	20.000
Readings		0.065	1.210
2" Calibration:		Gain=54.000	Offset=0.000
		Low Cal	High Cal
References		0.000	20.000
Readings		0.012	1.043
Gamma Ray Calibration Report			
Serial Number:		GR3	
Tool Model:		OPEN	
Performed:		Sun Oct 09 11:26:53 2011	
Calibrator Value:		200.0	GAPI
Background Reading:		3.0	cps
Calibrator Reading:		186.0	cps
Sensitivity:		1.0000	GAPI/cps