



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company I.A. OPERATING, INC.

Well RUBY #24-1

Field

County SHERIDAN

State KANSAS

Location: API # : 15-179-21301

1180' FNL & 590' FWL

SEC 24 TWP 8S RGE 27W

Other Services
CDL/CNL
DIL

Permanent Datum
Log Measured From
Drilling Measured From
GROUND LEVEL
KELLY BUSHING 5' A.G.L.
KELLY BUSHING

Elevation
K.B. 2548
D.F.
G.L. 2543

Date 5-2-12

Run Number TWO

Depth Driller 3990

Depth Logger 3990

Bottom Logged Interval 3988

Top Log Interval 3400

Casing Driller 259

Casing Logger 260

Bit Size 7.875

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3 / 56

pH / Fluid Loss 10.5 / 7.2

Source of Sample FLOWLINE

Rim @ Meas. Temp 1.20 @ 92F

Rmf @ Meas. Temp 0.90 @ 92F

Rmc @ Meas. Temp 1.44 @ 92F

Source of Rmf / Rmc MEASURED

Rim @ BHT .960 @ 115F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 11:00 A.M.

Maximum Recorded Temperature 115F

Equipment Number 860

Location HAYS, KS.

Recorded By RUPP

Witnessed By RANDY KILIAN

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: TASCO & #24, 1/2E, S INTO.



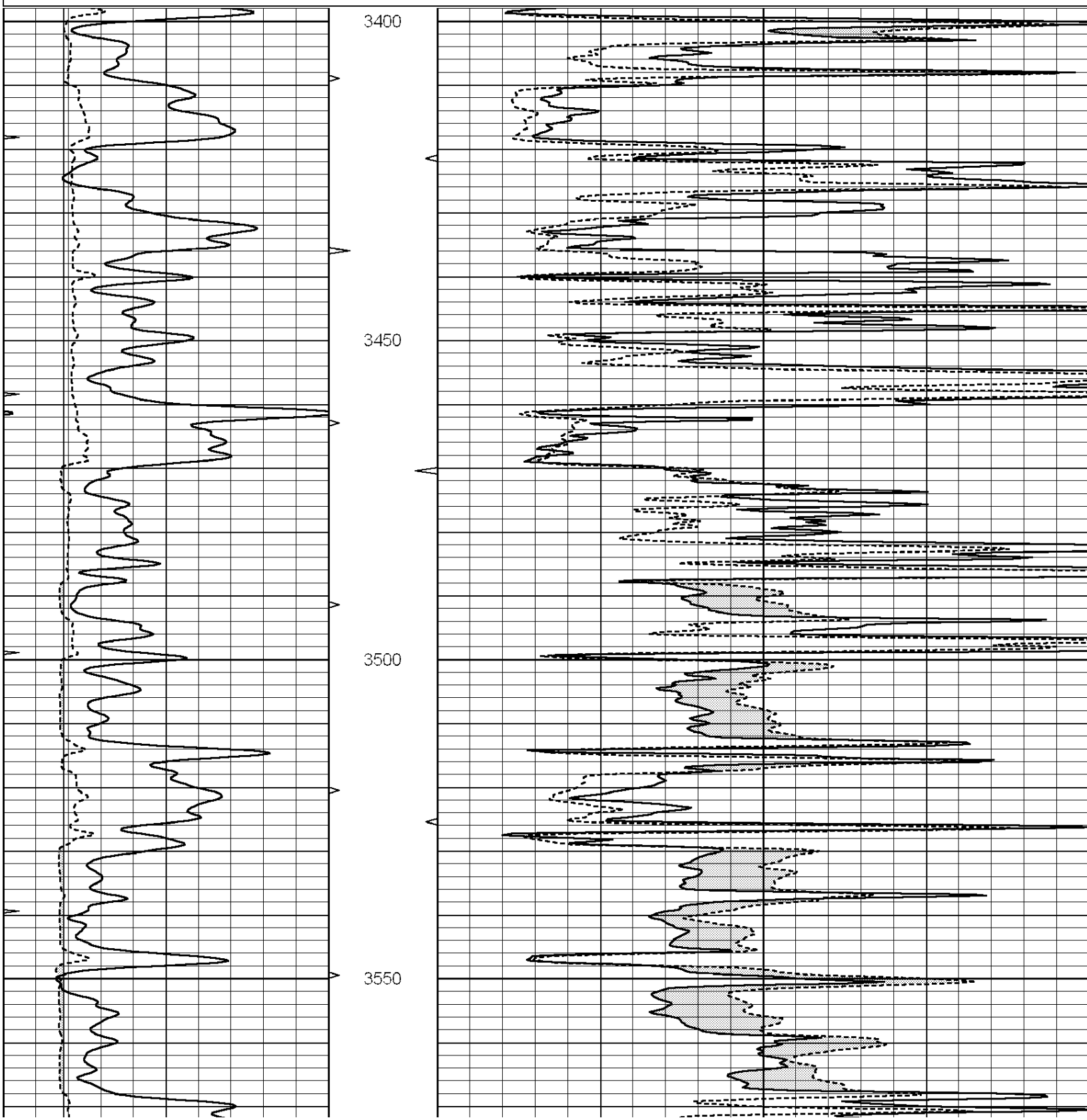
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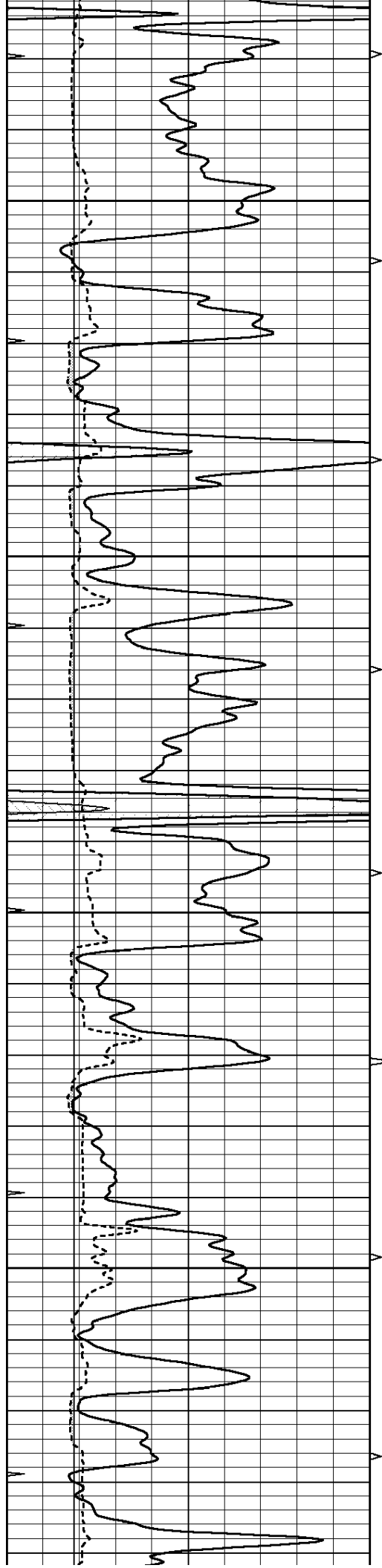
MAIN SECTION

Database File: 009110ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Wed May 02 13:32:38 2012 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



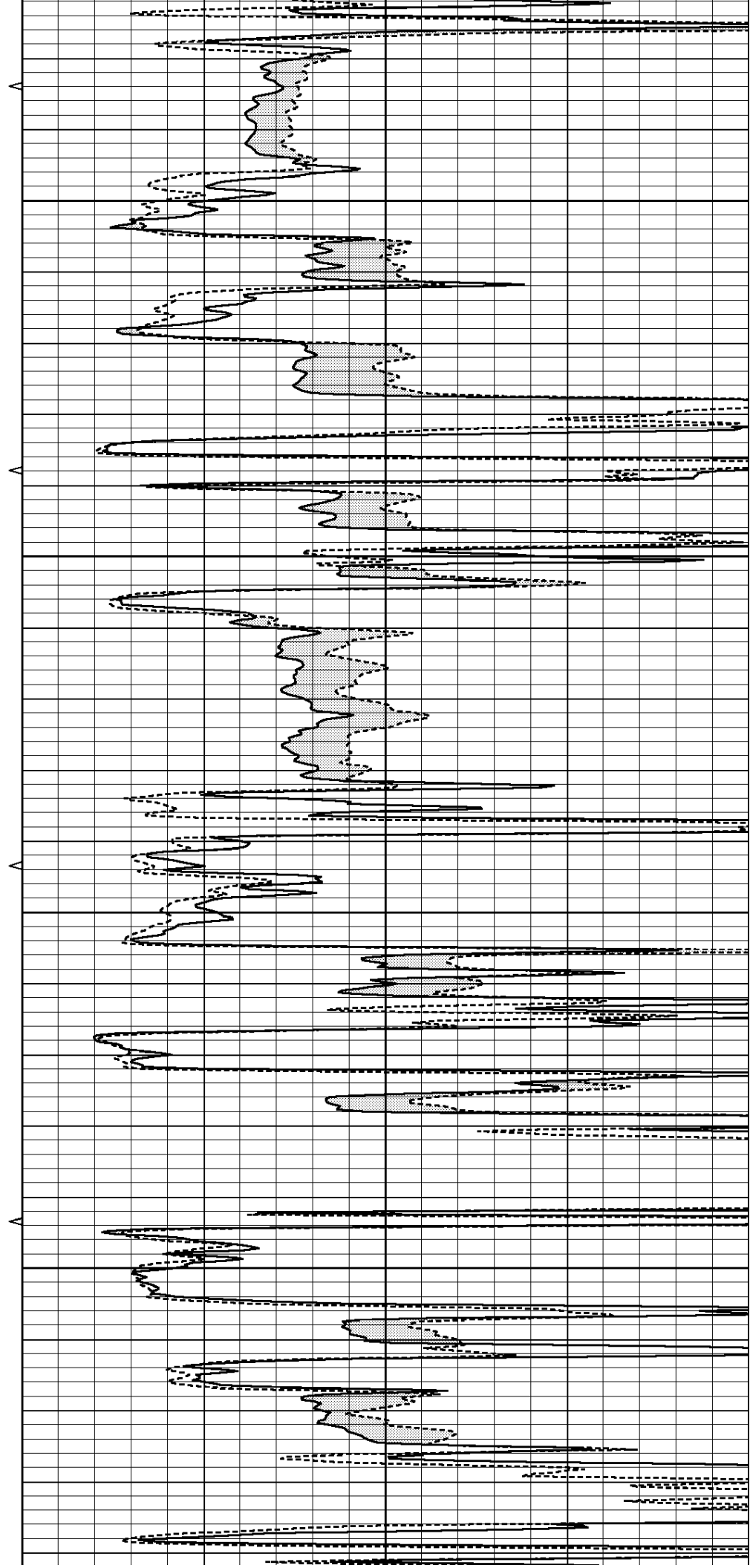


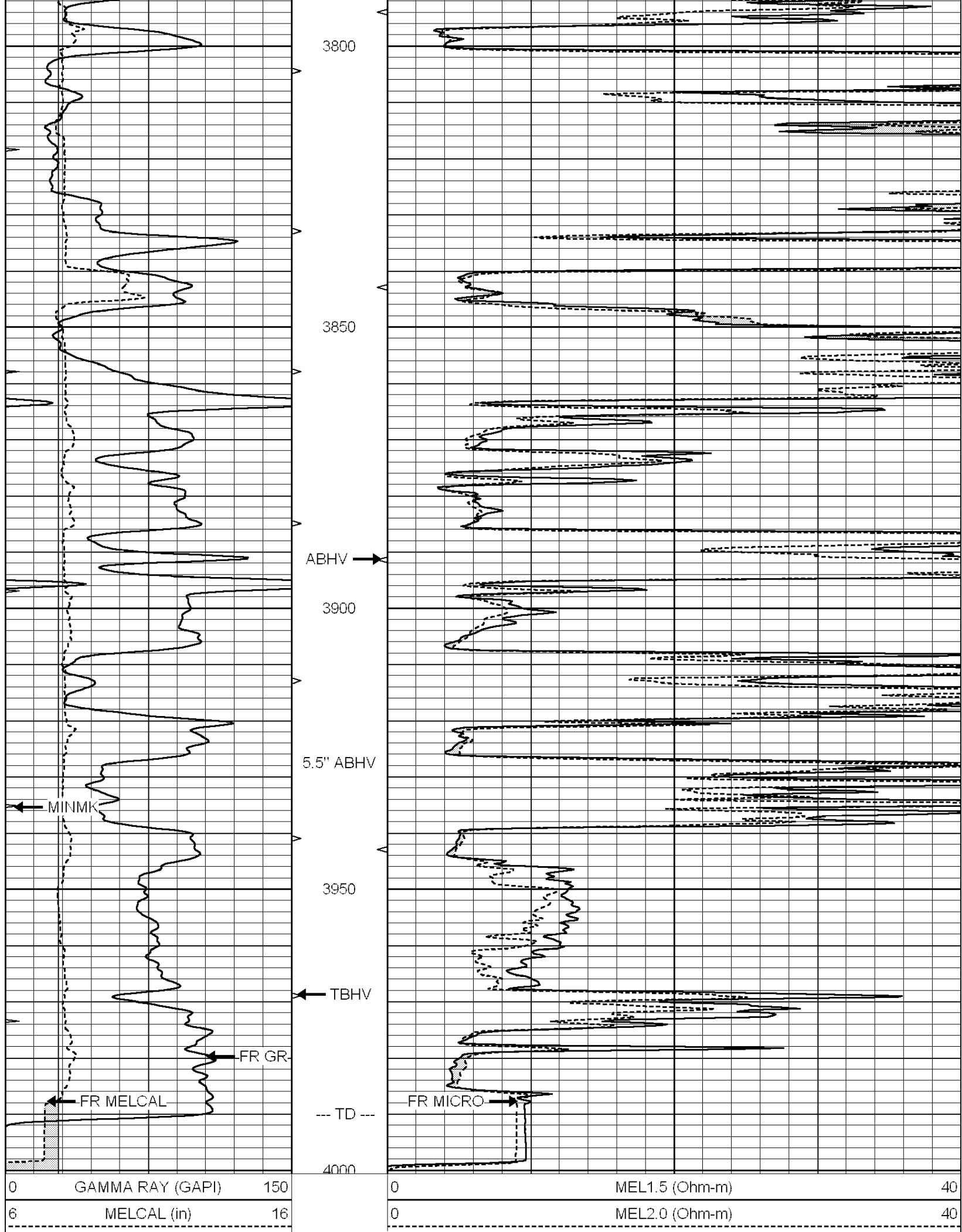
3600

3650

3700

3750







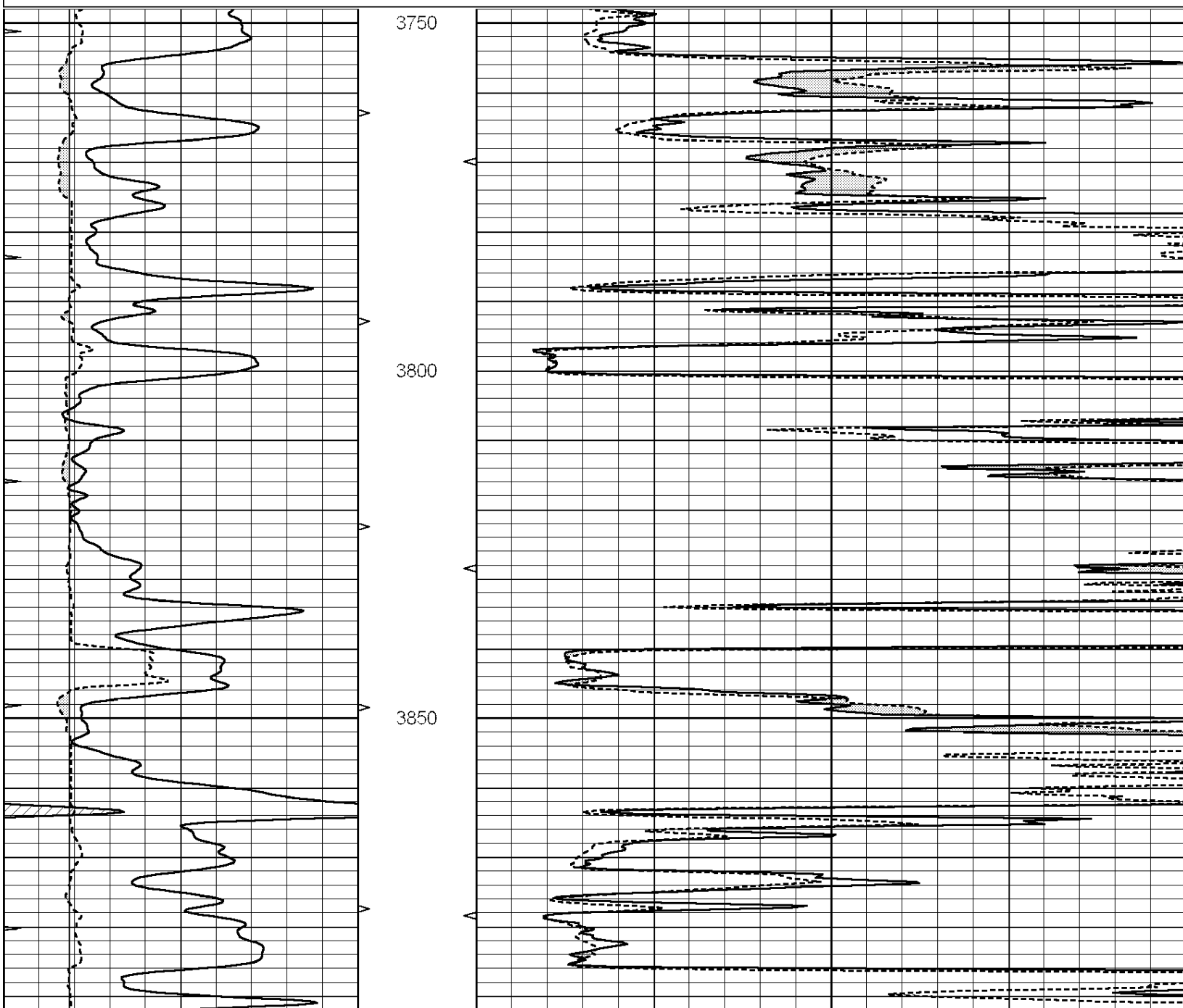
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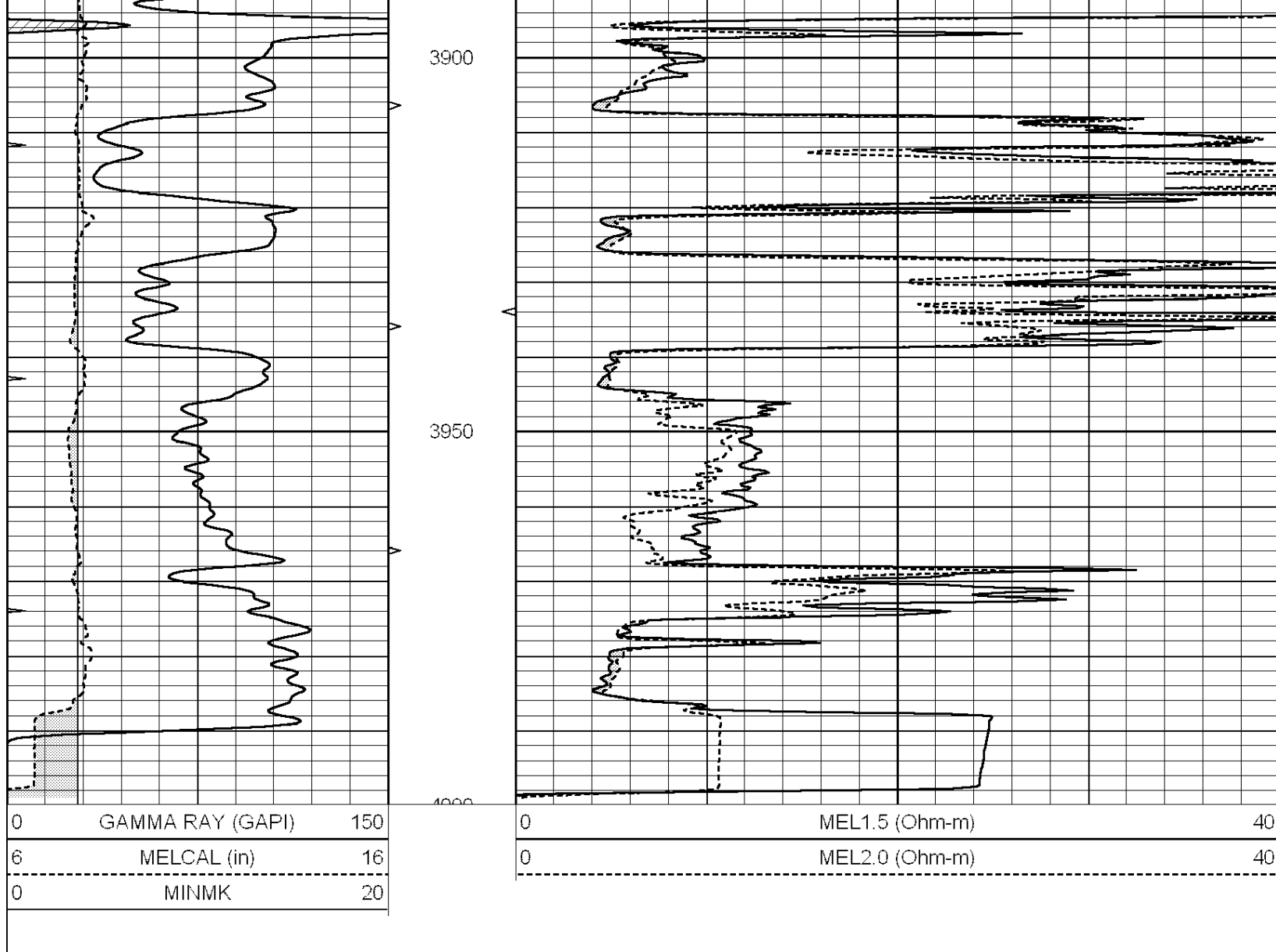
REPEAT SECTION

Database File: 009110ddn.db
Dataset Pathname: pass4.1
Presentation Format: micro
Dataset Creation: Wed May 02 13:10:35 2012 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: 009110ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Wed May 02 13:32:38 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO4
 Tool Model: PROBE
 Performed: Wed May 02 13:06:15 2012

Caliper Calibration: Gain=2.206 Offset=-4.122
 References Low Cal High Cal
 7.900 14.000
 Readings 5.449 8.214

1.5" Calibration: Gain=40.000 Offset=-0.800
 References Low Cal High Cal
 0.000 20.000
 Readings 0.009 1.541

2" Calibration: Gain=45.000 Offset=0.200
 References Low Cal High Cal
 0.000 20.000

Readings	0.004	1.198
Gamma Ray Calibration Report		
Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Wed May 02 13:01:24 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6300	GAPI/cps