



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		DREILING OIL COMPANY, INC.	
Well		GRABBE "B" #3	
Field		SCHOENCHEN WEST	
County		ELLIS	
State		KANSAS	
Company		DREILING OIL COMPANY, INC.	
Well		GRABBE "B" #3	
Field		SCHOENCHEN WEST	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-26545-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 20 TWP 15S RGE 18W		Elevation	
		K.B. 1993	
		D.F. 1991	
		G.L. 1985	
Date	7/27/13		
Run Number	TWO		
Depth Driller	3650		
Depth Logger	3648		
Bottom Logged Interval	3646		
Top Log Interval	2900		
Casing Driller	8 5/8" @ 1140'		
Casing Logger	1140		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,000 PPM	
Density / Viscosity	8.9/48		
pH / Fluid Loss	10.0/8.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.800 @ 85F		
Rmf @ Meas. Temp	.600 @ 85F		
Rmc @ Meas. Temp	.960 @ 85F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.602 @ 113F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	10:30 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER FISHER		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

HAYS, KS. 10S. ON HWY 183 TO HAYS MACK, 1W. TO "T" CONTINUE WEST INTO PASTURE THEN SOU



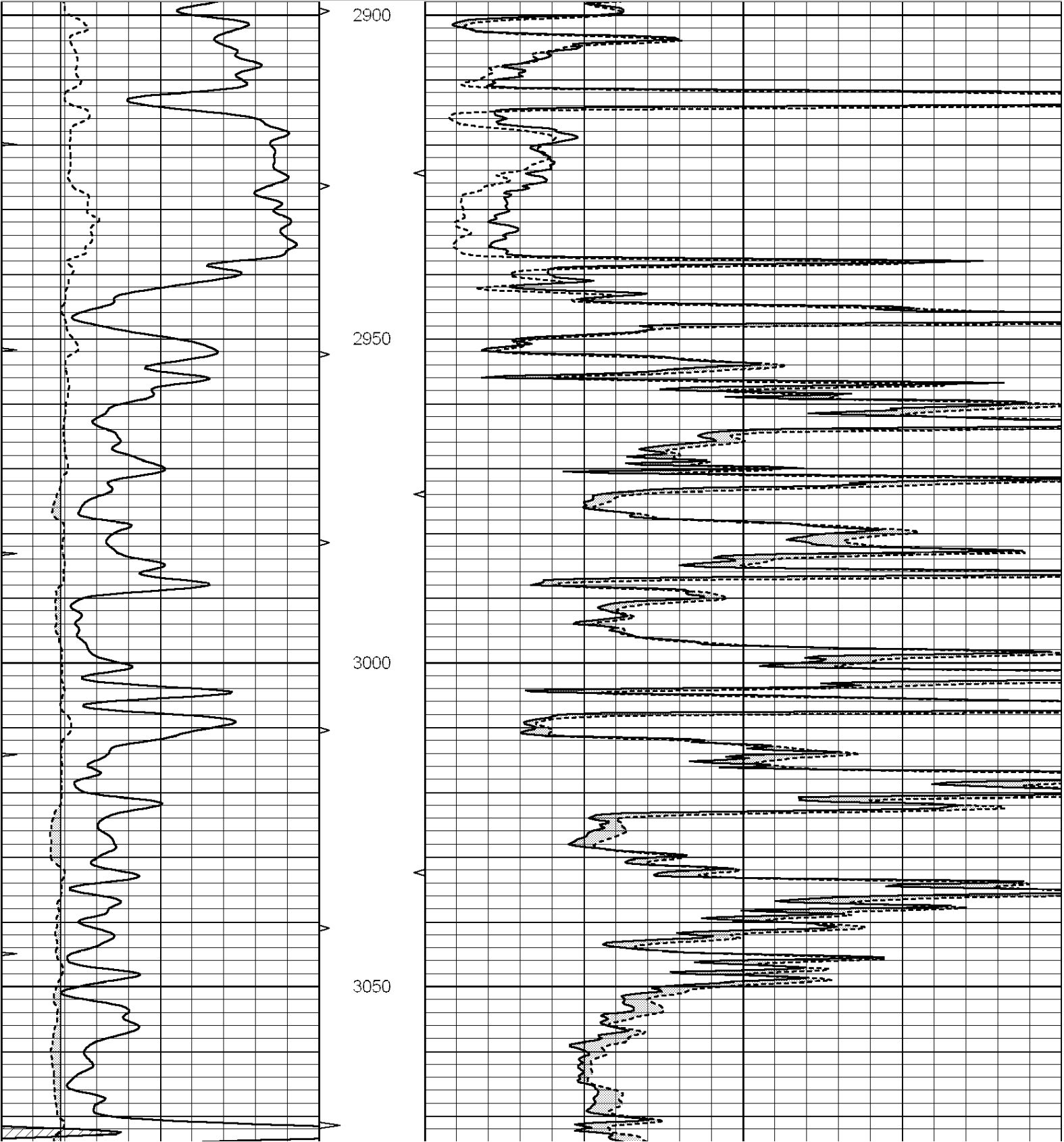
NABORS

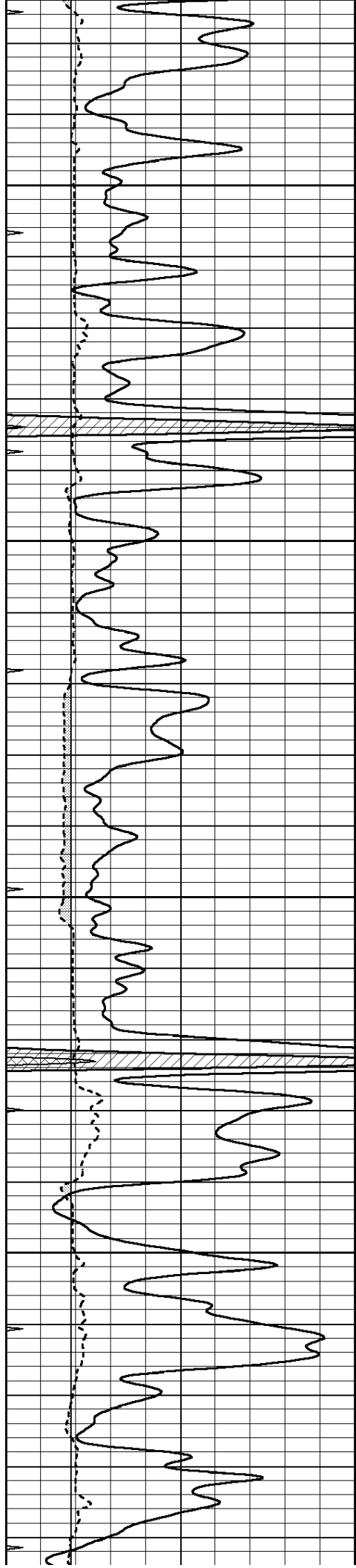
**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File: 011194ddn.db
Dataset Pathname: pass7.3
Presentation Format: micro
Dataset Creation: Sat Jul 27 13:00:13 2013 by Calc SOC 120430
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 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



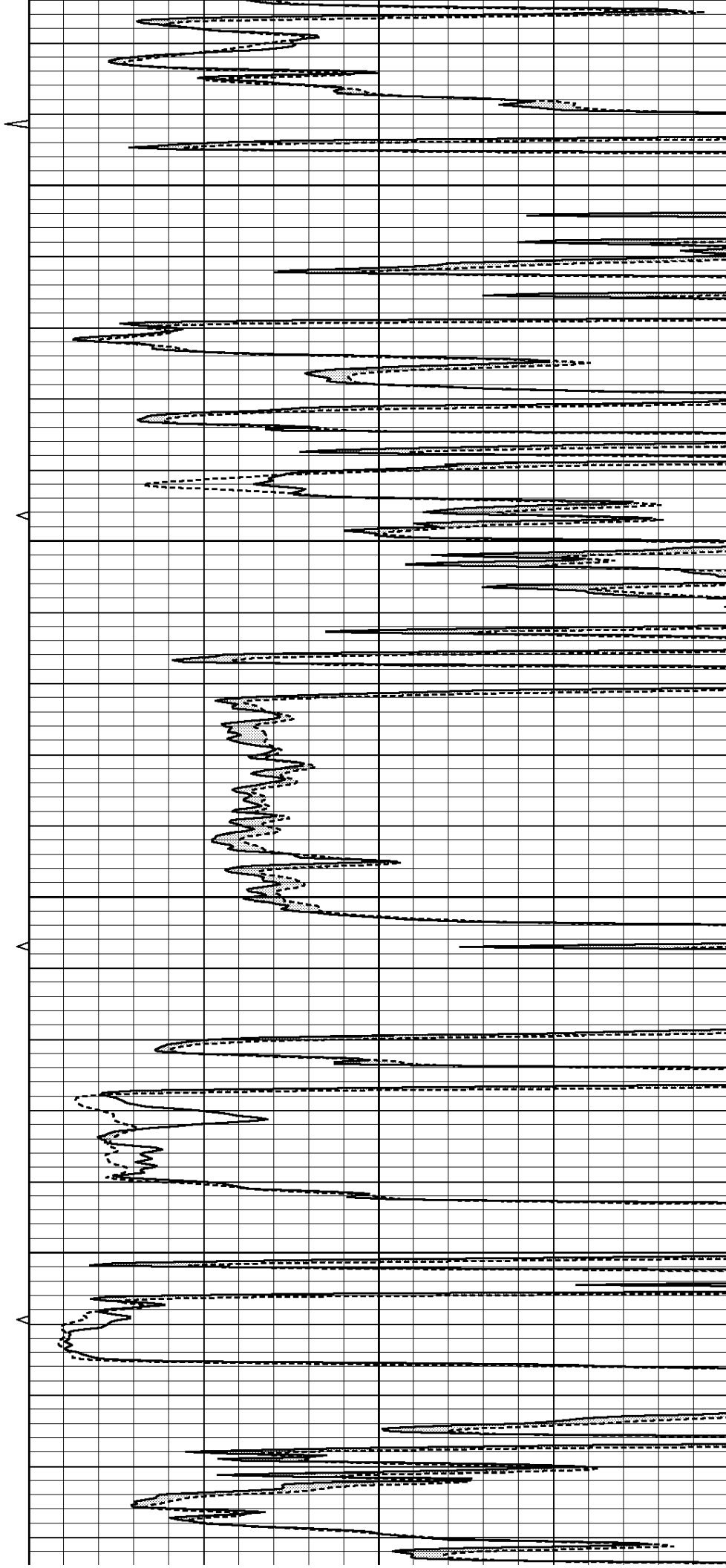


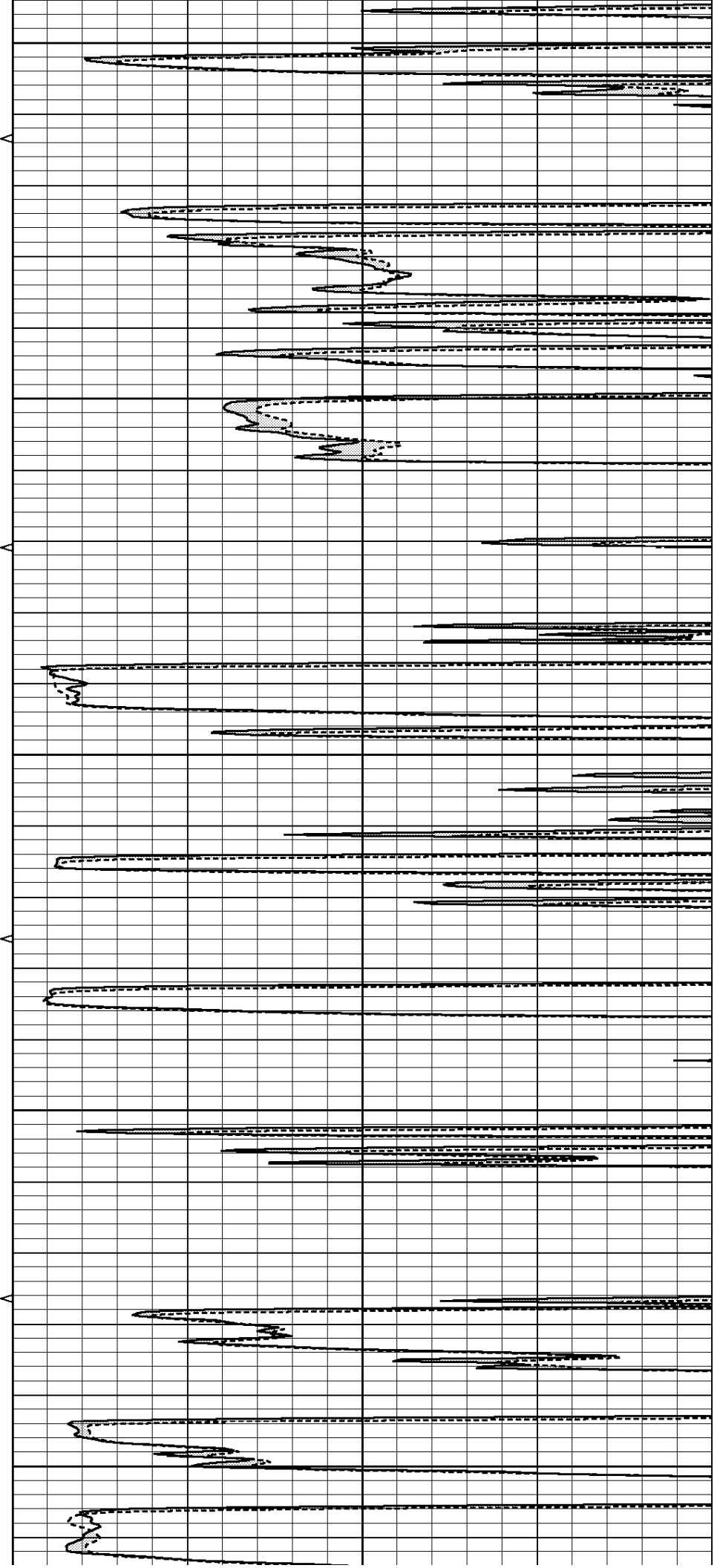
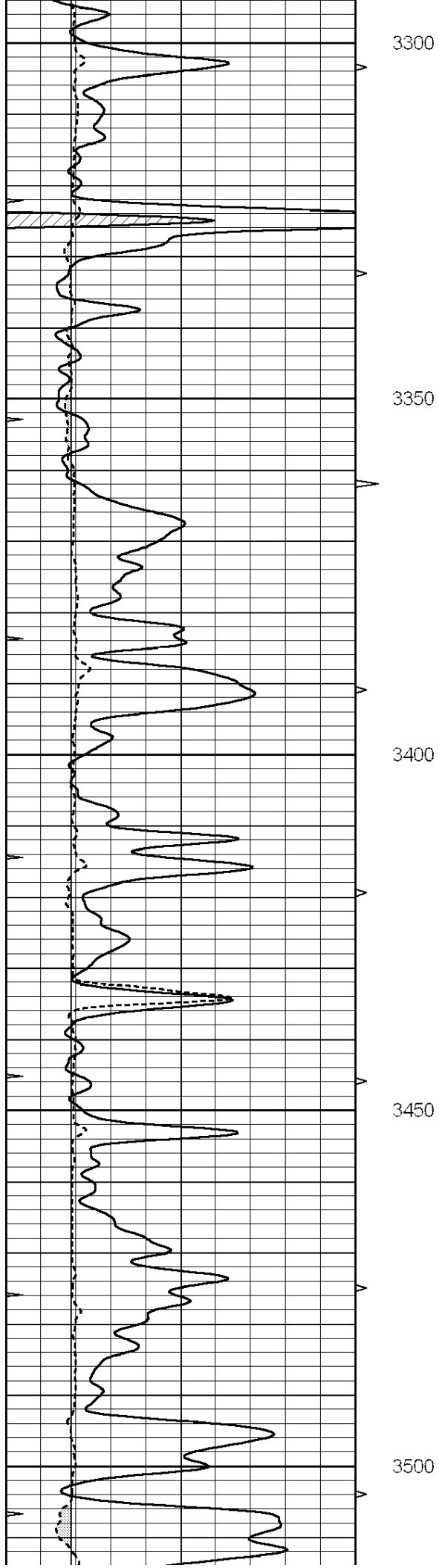
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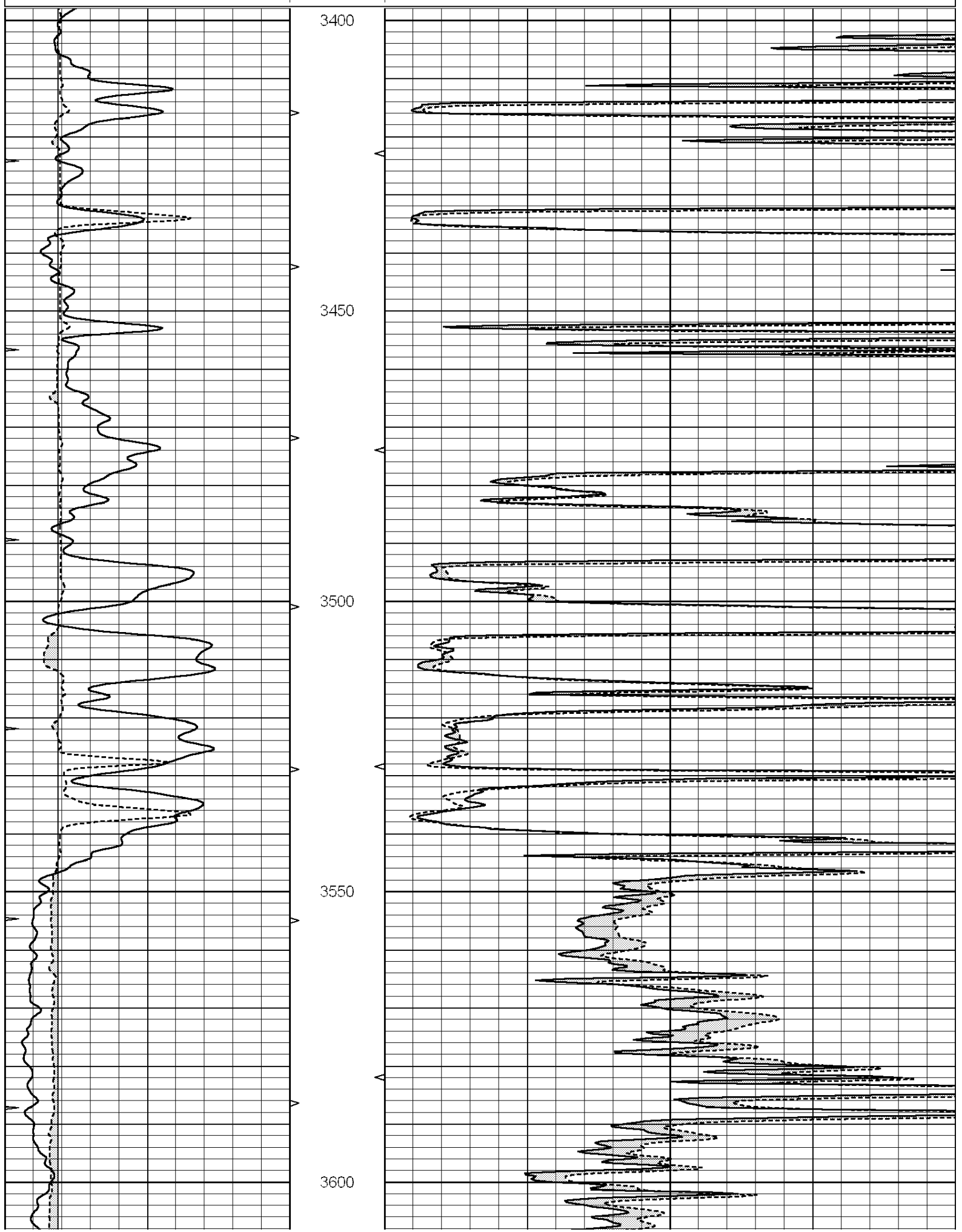
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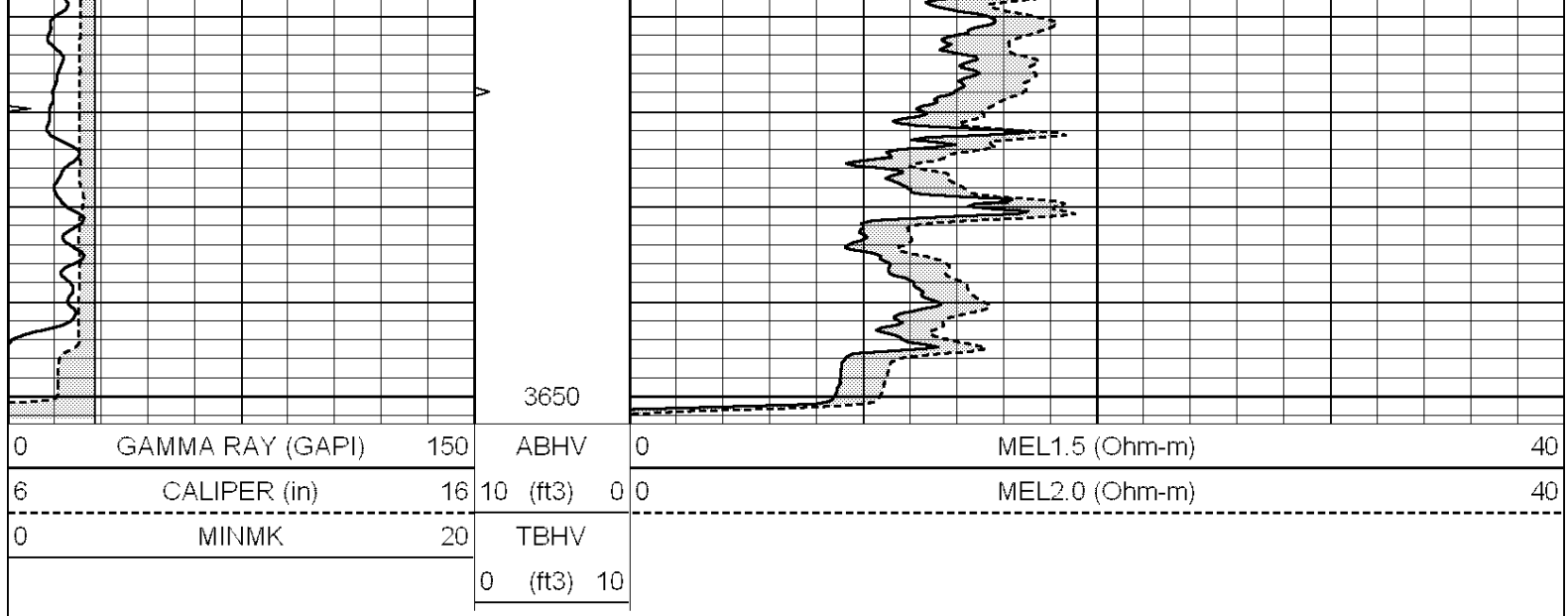
3200

3250









Calibration Report

Database File: 011194ddn.db
Dataset Pathname: pass7.3
Dataset Creation: Sat Jul 27 13:00:13 2013 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 2
Tool Model: PROBE
Performed: Sun Jun 23 22:34:27 2013

Caliper Calibration: Gain=6.446 Offset=-3.761
References Low Cal High Cal
7.400 16.000
Readings 1.731 3.065

1.5" Calibration: Gain=48.000 Offset=-2.500
References Low Cal High Cal
0.000 20.000
Readings 0.015 0.458

2" Calibration: Gain=65.000 Offset=-1.500
References Low Cal High Cal
0.000 20.000
Readings 0.003 0.384

Gamma Ray Calibration Report

Serial Number: GR3
Tool Model: OPEN
Performed: Sat Jul 27 12:04:36 2013
Calibrator Value: 200.0 GAPI
Background Reading: 3.0 cps
Calibrator Reading: 186.0 cps
Sensitivity: 1.1500 GAPI/cps