



**SUPERIOR
Hays,
Kansas**

COMPENSATED DENSITY / NEUTRON LOG

Company GREAT PLAINS ENERGY, INC.
Well WASSON BROTHERS FARMS #9
Field SWEDE HOLLOW
County DECATUR
State KANSAS

Company GREAT PLAINS ENERGY, INC.
Well WASSON BROTHERS FARMS #9
Field SWEDE HOLLOW
County DECATUR State KANSAS

Location: API # : 15-039-21091-0000

1840' FNL & 335' FWL

SEC 36 TWP 4S RGE 30W

Permanent Datum GROUND LEVEL Elevation 2840
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
FF

Elevation

K.B. 2845
D.F. 2843
G.L. 2840

Date 3/25/09

Run Number TWO

Depth Driller 4481

Depth Logger 4483

Bottom Logged Interval 4459

Top Log Interval 3400

Casing Driller 8 5/8" @ 259'

Casing Logger 259

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/52

pH / Fluid Loss 11.0/6.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.40 @ 72F

Rmf @ Meas. Temp 1.05 @ 72F

Rmc @ Meas. Temp 1.68 @ 72F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .840 @ 120F

Time Circulation Stopped 4 HOURS

Time Logger on Bottom 12:00 P.M.

Maximum Recorded Temperature 120F

Equipment Number 0836

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By RICHARD BELL

DAN BLANKENAU

<<< Fold Here >>>

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
SELDON, KS. 1/2 SW ON HWY PAST ROAD SIDE PARK, DUE WEST ON COUNTY RD TO RD. 110W, 8
1/2N. TO FARMSTEAD, E. INTO

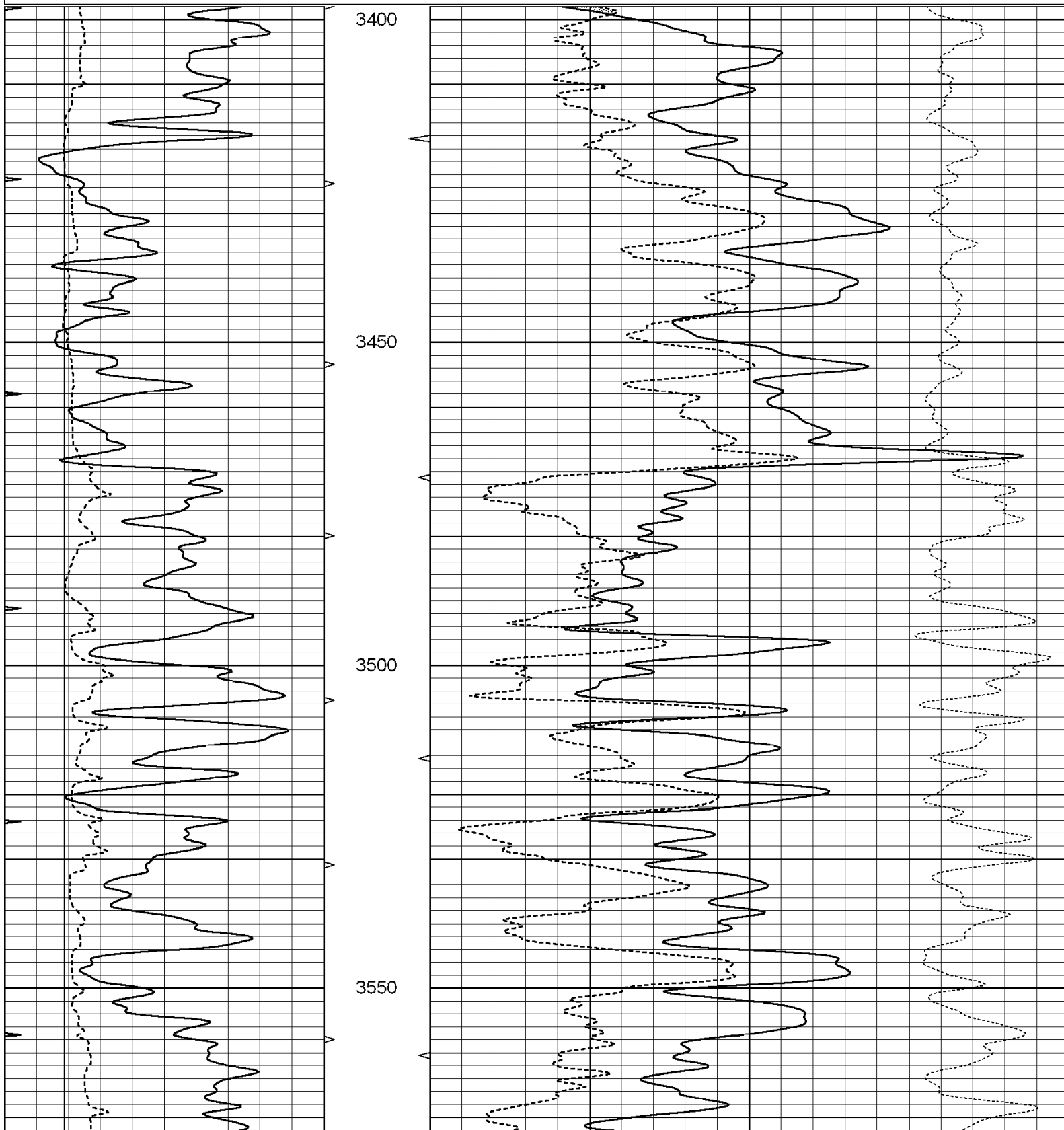


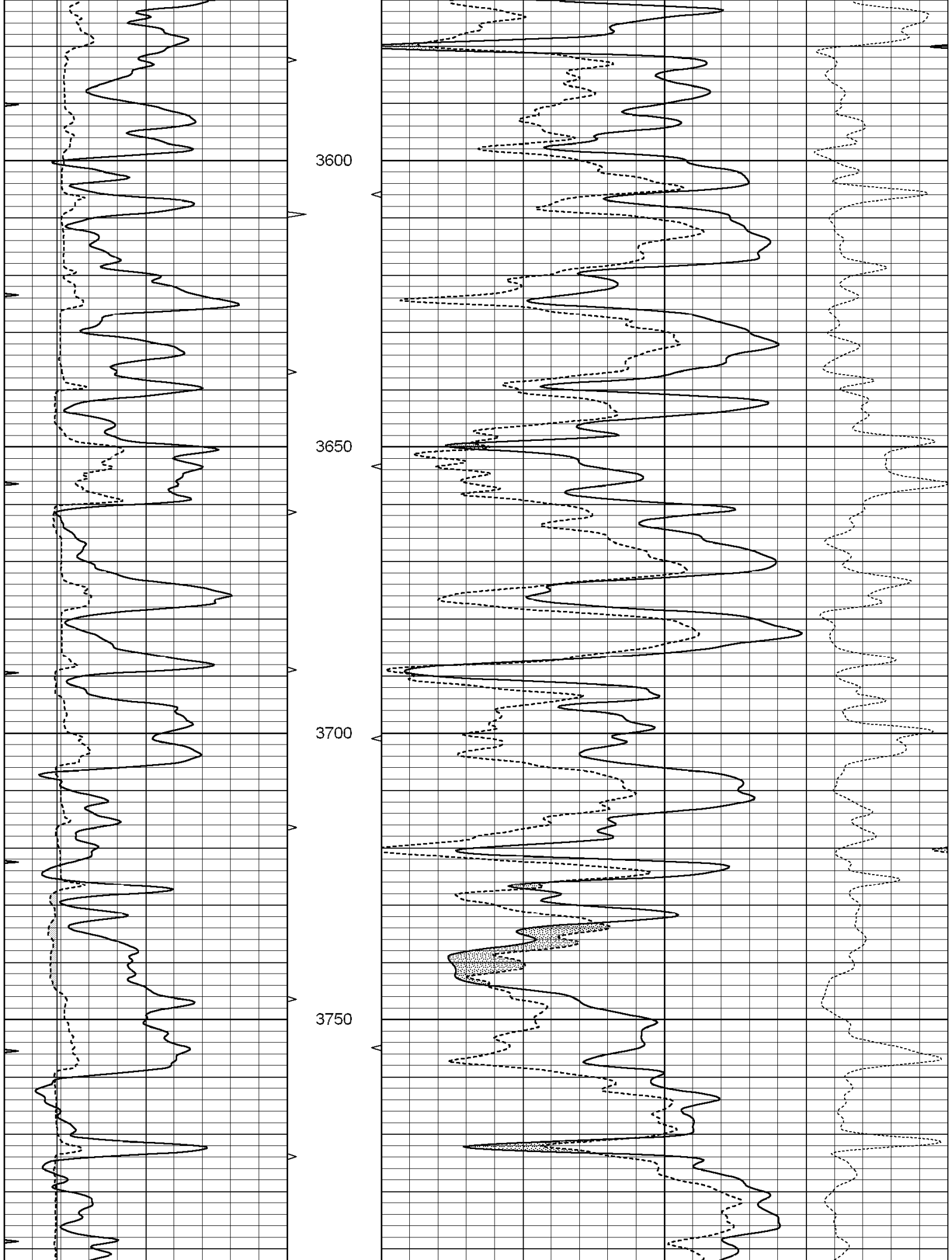
**SUPERIOR
Hays,
Kansas**

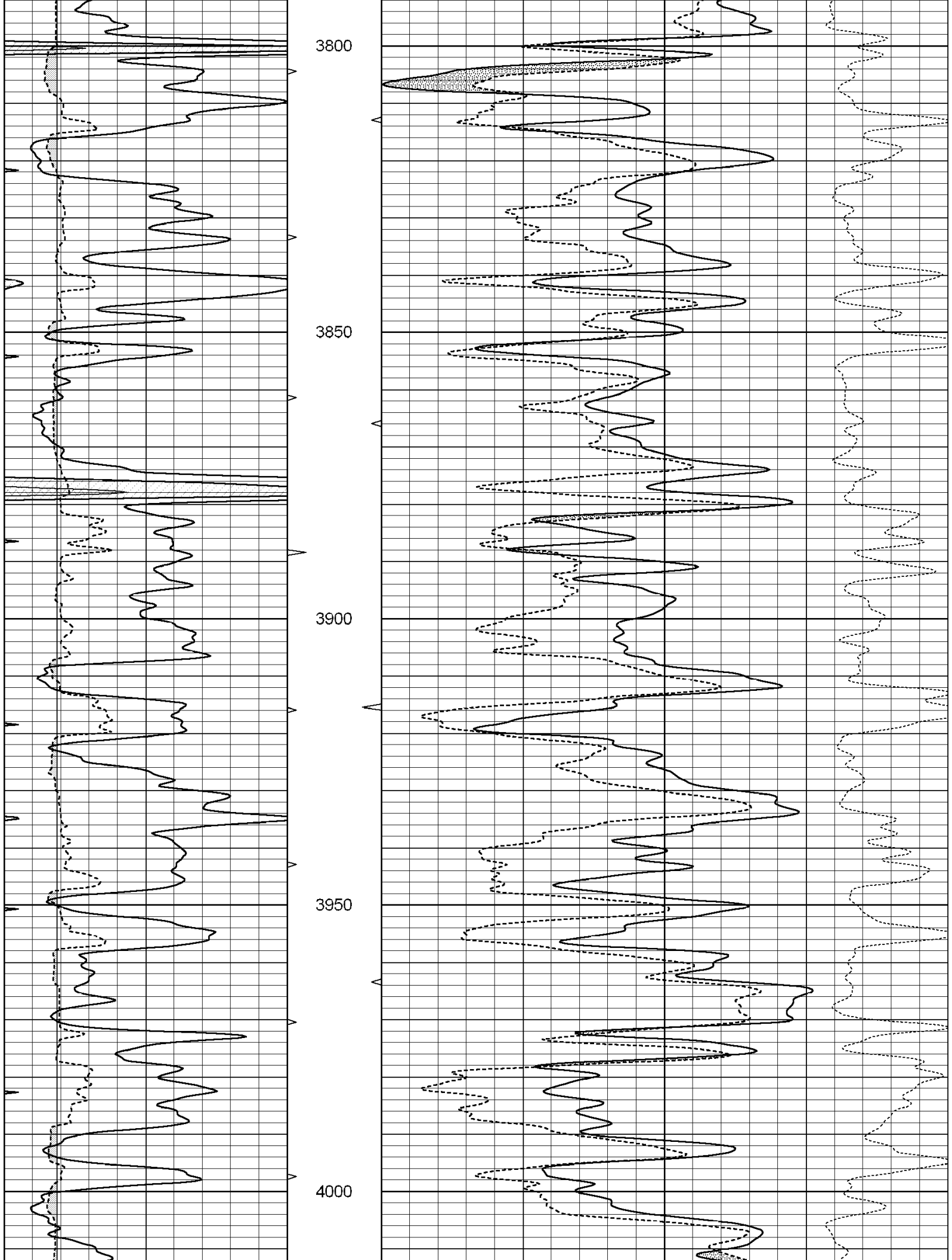
MAIN SECTION

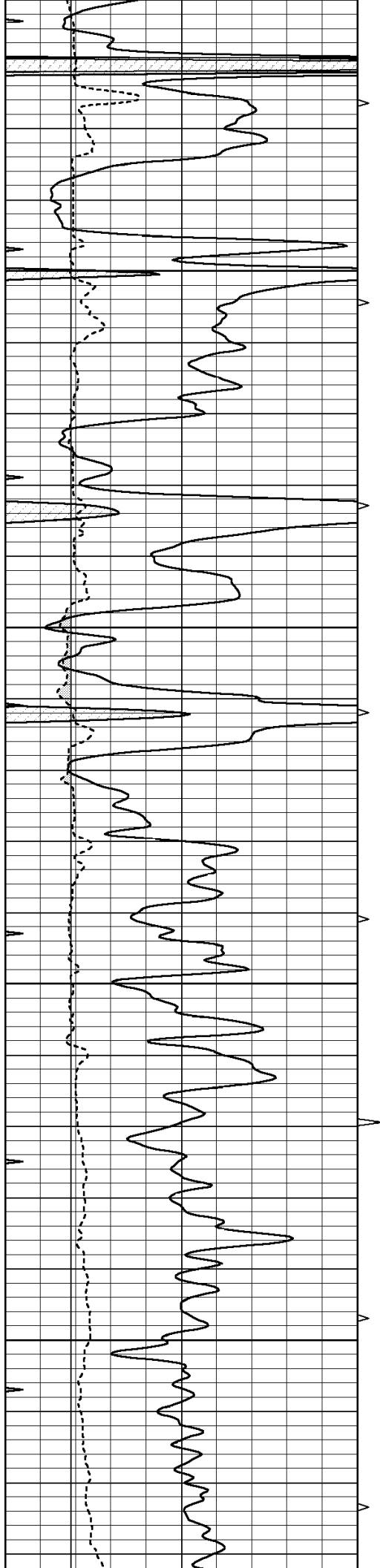
Database File: 003253ddn.db
Dataset Pathname: pass6.4
Presentation Format: den_neu
Dataset Creation: Wed Mar 25 14:55:15 2009 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			







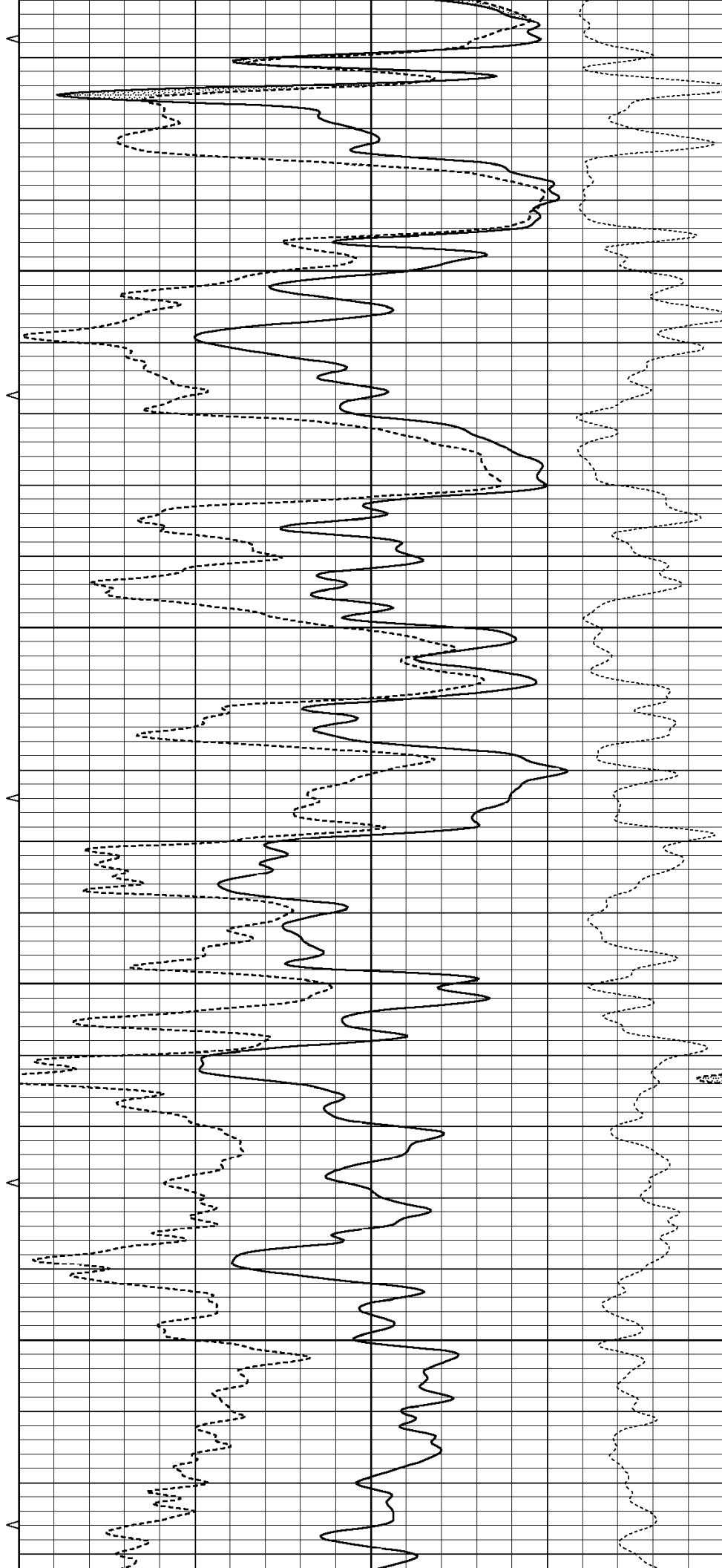


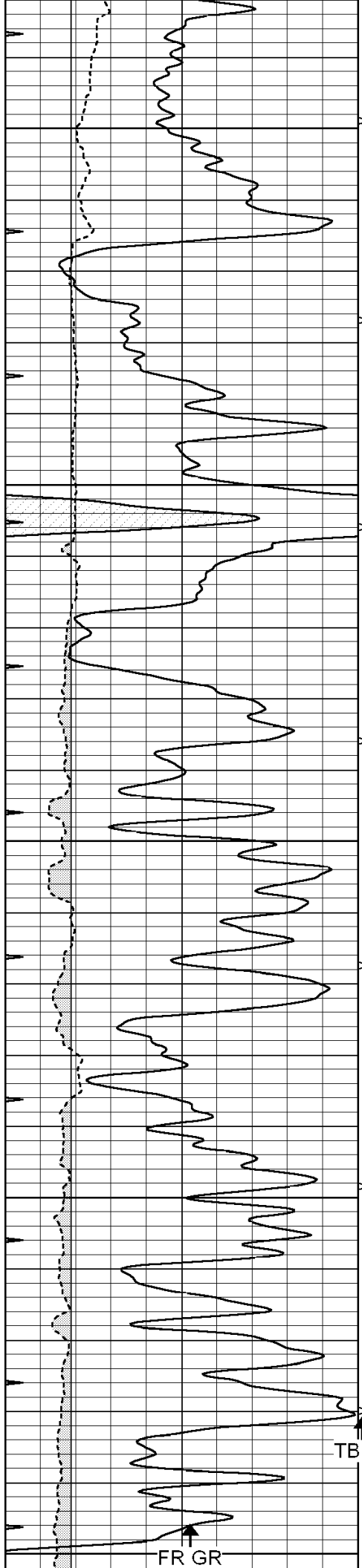
4050

4100

4150

4200





4250

4300

4350

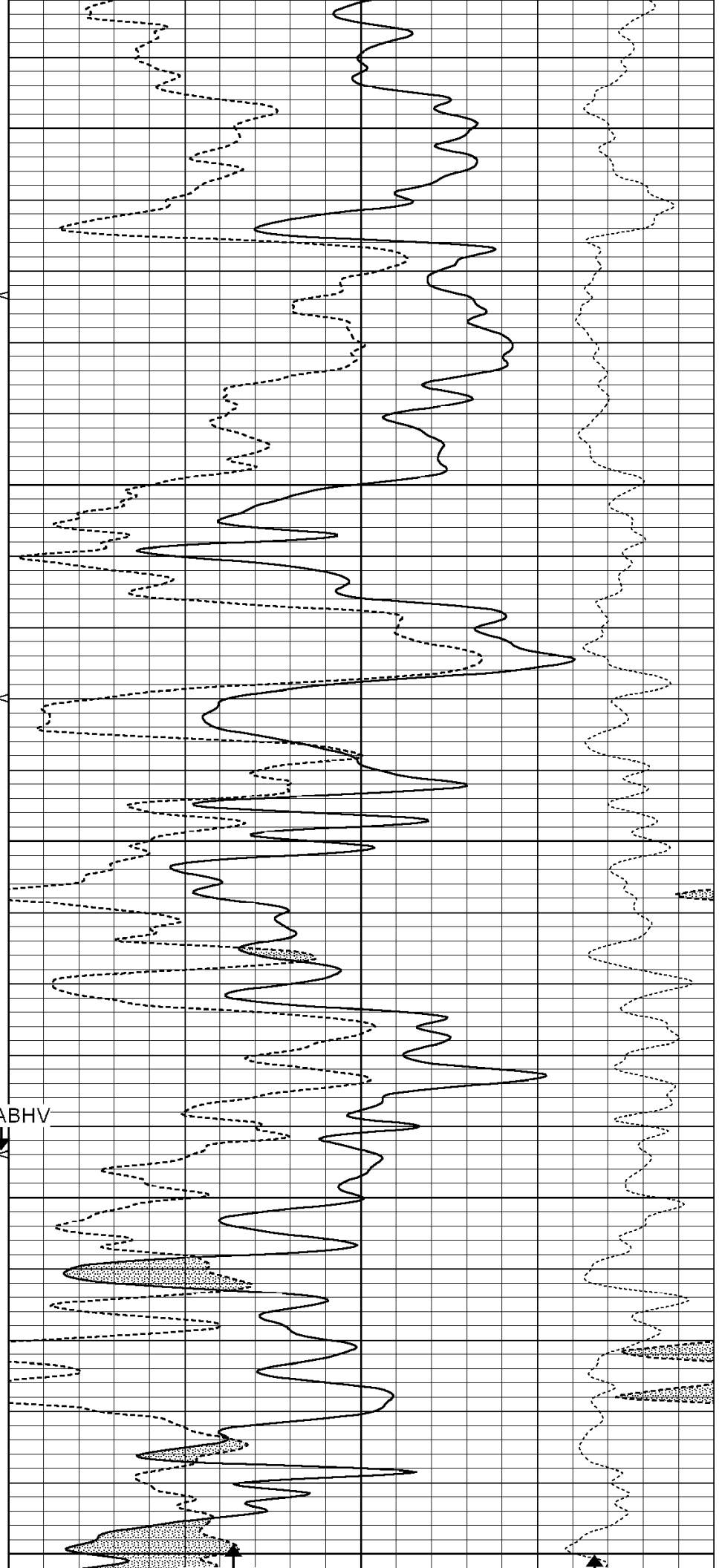
4400

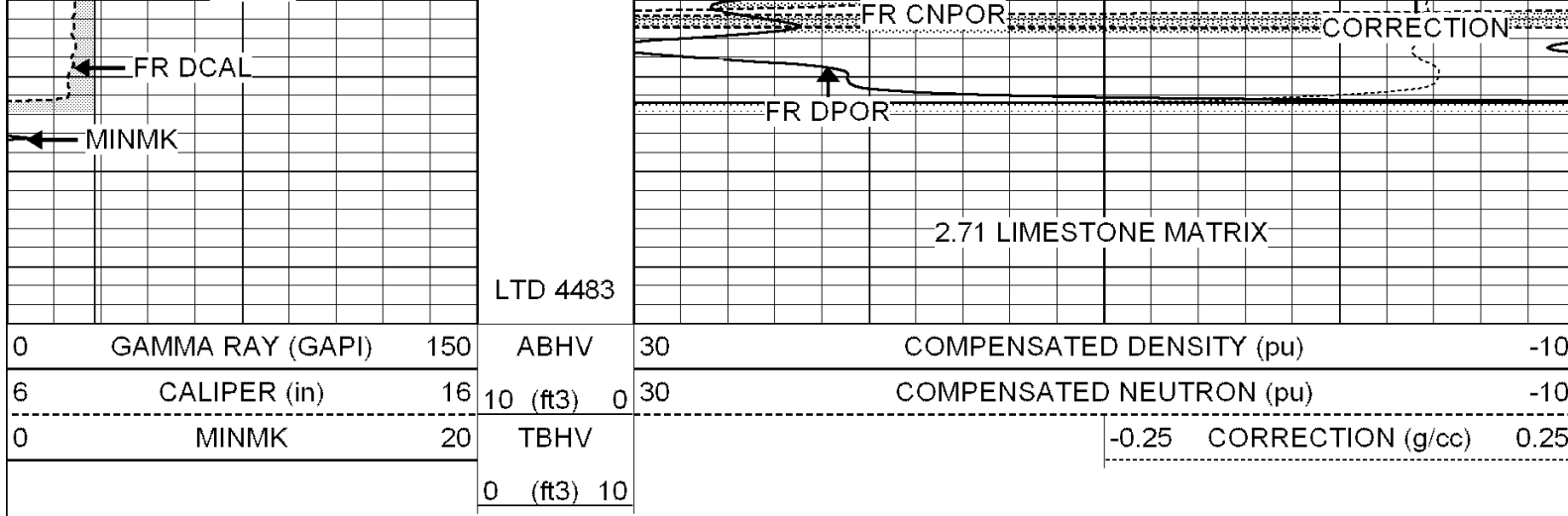
4450

TBHV

FR GR

5.5" ABHV



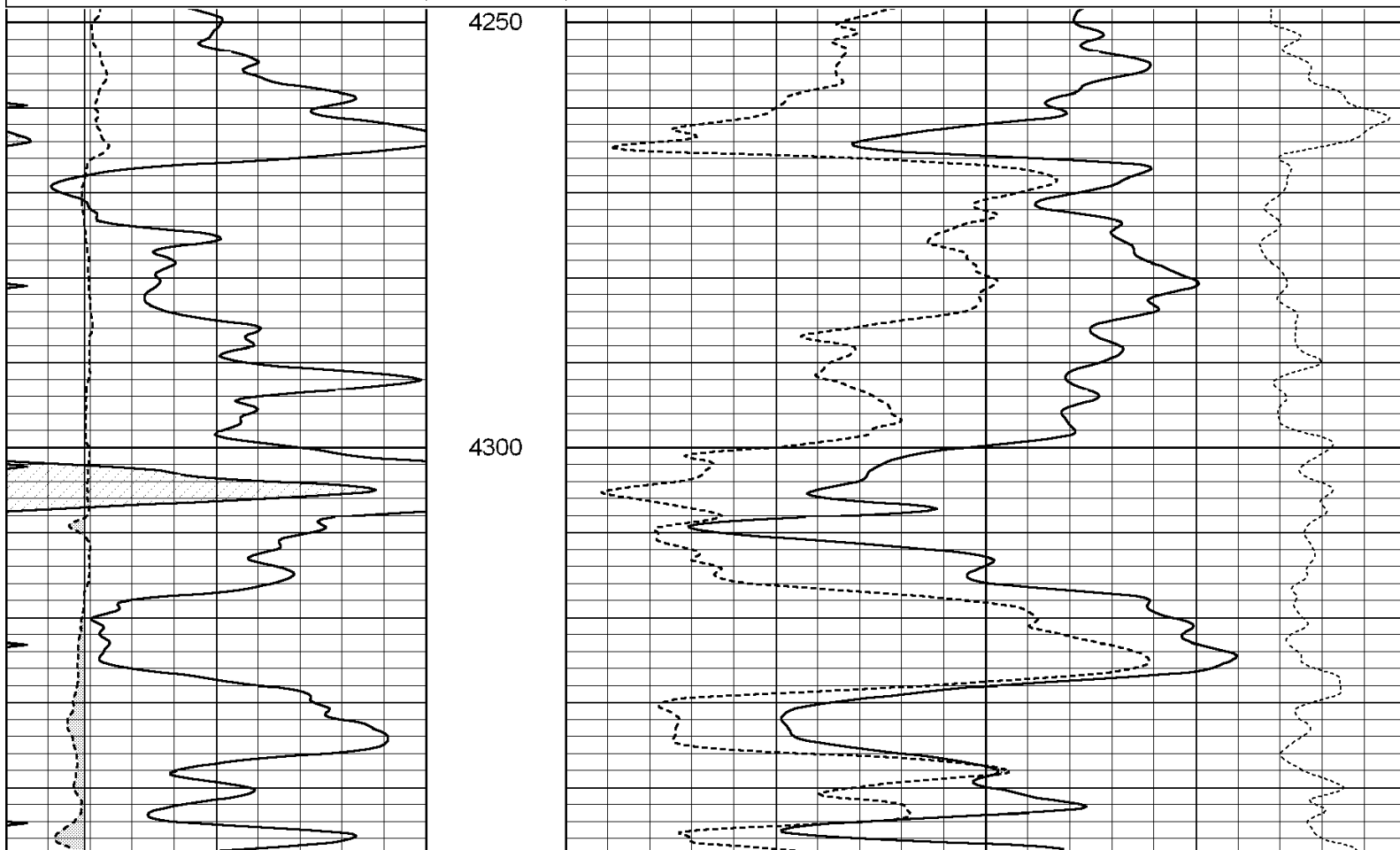


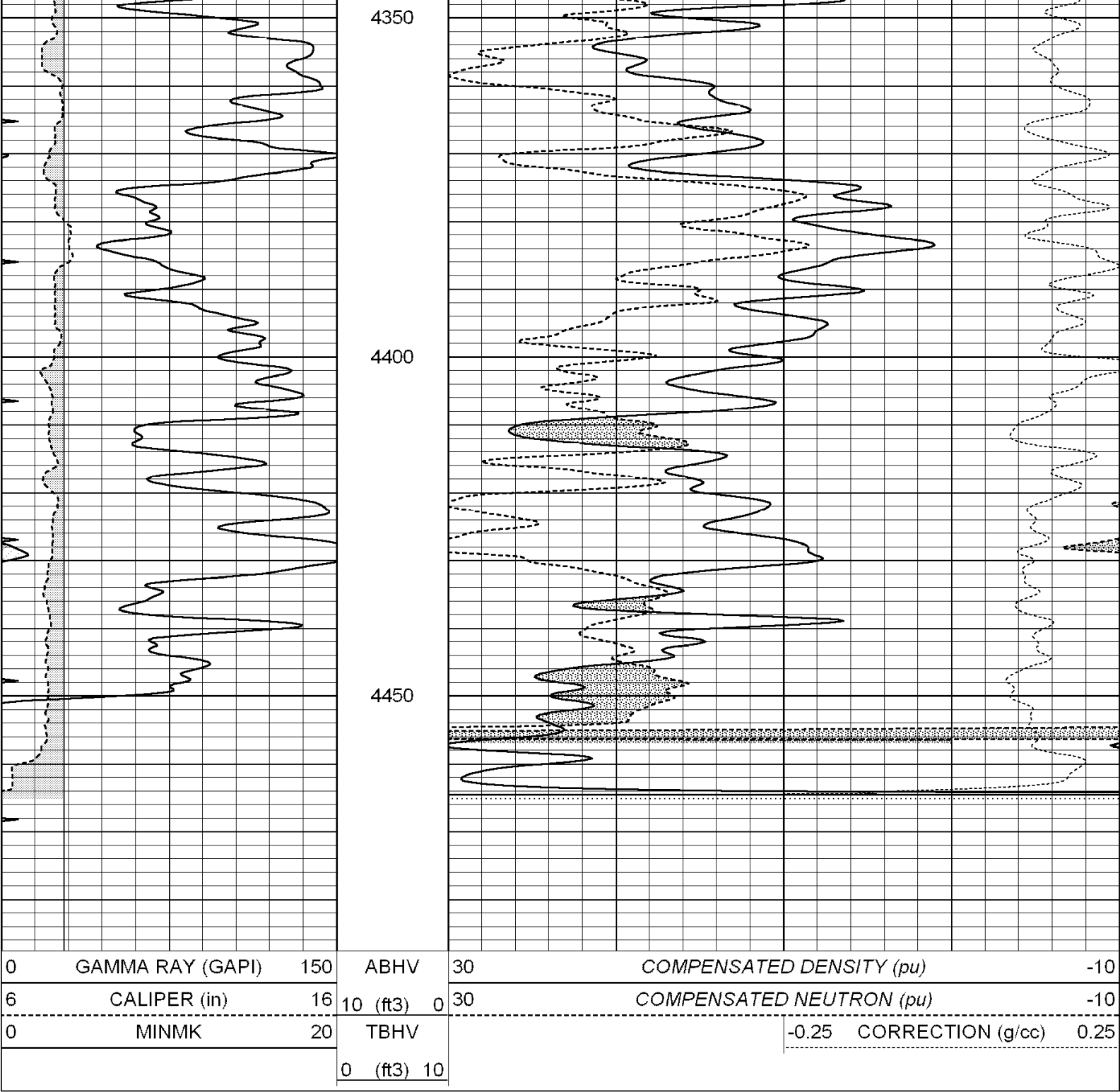
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 003253ddn.db
 Dataset Pathname: pass5.10
 Presentation Format: den_neu
 Dataset Creation: Wed Mar 25 14:38:59 2009 by Calc Open-Cased 060407
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





Calibration Report								
Database File:		003253ddn.db						
Dataset Pathname:		pass6.4						
Dataset Creation:		Wed Mar 25 14:55:15 2009 by Calc Open-Cased 060407						
Dual Induction Calibration Report								
Serial-Model:		DIL6-GEAR						
Performed:		Wed Mar 25 13:12:59 2009						
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho-m	680.000	-10.000
Medium	0.020	0.738	V	0.000	462.500	mmho-m	720.000	-20.000

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho-m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho-m	1.000	0.000
Litho Density Calibration Report Serial: 004N Model: PRB Performed Wed Feb 18 14:22:08 2009								
Litho Density Calibration								
	Background	Magnesium		Aluminum		Sandstone		
Window 1	1561.2	10815.1		3655.8		12418.8		cps
Window 2	1425.2	9176.3		3183.9		10387.8		cps
Window 3	1092.2	4291.0		1759.2		4746.8		cps
Window 4	339.5	347.6		341.8		348.3		cps
Long Space	0.0	7751.0		1758.7		8962.6		cps
Short Space	1.3	1175.2		770.9		1319.8		cps
Rho		1.7100		2.5900		1.3800		g/cc
Pe				2.5700		1.5500		
Rib Angle	: 44.1	Rib Slope	: 0.970	Density/Spine Ratio		: 0.571		
Spine Angle	: 74.1	Spine Slope	: 3.518	Spine Intercept		: -15.9		
Caliper								
	Readings	Reference						
Low Ref	1.8	6.5						
High Ref	4.5	16.0						
	Gain: 3.5			Offset: 0.3				
Compensated Neutron Calibration Report								
		Serial Number:		NEU_4I				
		Tool Model:		G				
CALIBRATION								
	Detector	Readings		Target		Normalization		
	Short Space	996.00 cps		1000.00 cps		1.0000		
	Long Space	977.00 cps		1000.00 cps		1.0000		
Gamma Ray Calibration Report								
	Serial Number:	GR4						
	Tool Model:	OPEN						
	Performed:	Wed Mar 25 14:08:09 2009						
	Calibrator Value:	200.0		GAPI				
	Background Reading:	0.0		cps				
	Calibrator Reading:	189.0		cps				
	Sensitivity:	1.0000		GAPI/cps				