



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company		MAI OIL OPERATIONS, INC.	
Well		WOYDZIAK-KIRMER UNIT #1	
Field		KRAFT-PRUSA	
County		BARTON	
State		KANSAS	
Location:		APL # : 15-009-25619-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 7 TWP 16S RGE 11W		Elevation	
1300' FNL & 1500' FVL		K.B. 1871	
SW-SW-NE-NW		D.F. 1869	
		G.L. 1863	
Other Services		DIL/MEL	
Company		MAI OIL OPERATIONS, INC.	
Well		WOYDZIAK-KIRMER UNIT #1	
Field		KRAFT-PRUSA	
County		BARTON	
State		KANSAS	
Date	11/17/11		
Run Number	ONE		
Depth Driller	3405		
Depth Logger	3409		
Bottom Logged Interval	3385		
Top Log Interval	2600		
Casing Driller	8 5/8" @ 424		
Casing Logger	424		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7700 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.75 @ 57F		
Rmf @ Meas. Temp	.56 @ 57F		
Rmc @ Meas. Temp	.90 @ 57F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.38 @ 110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	110F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	JIM MUSGROVE		

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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 (785) 628-6395
DIRECTIONS
ODIN KS. - 9 N. - 1 E. - 1/4 S. - E. INTO

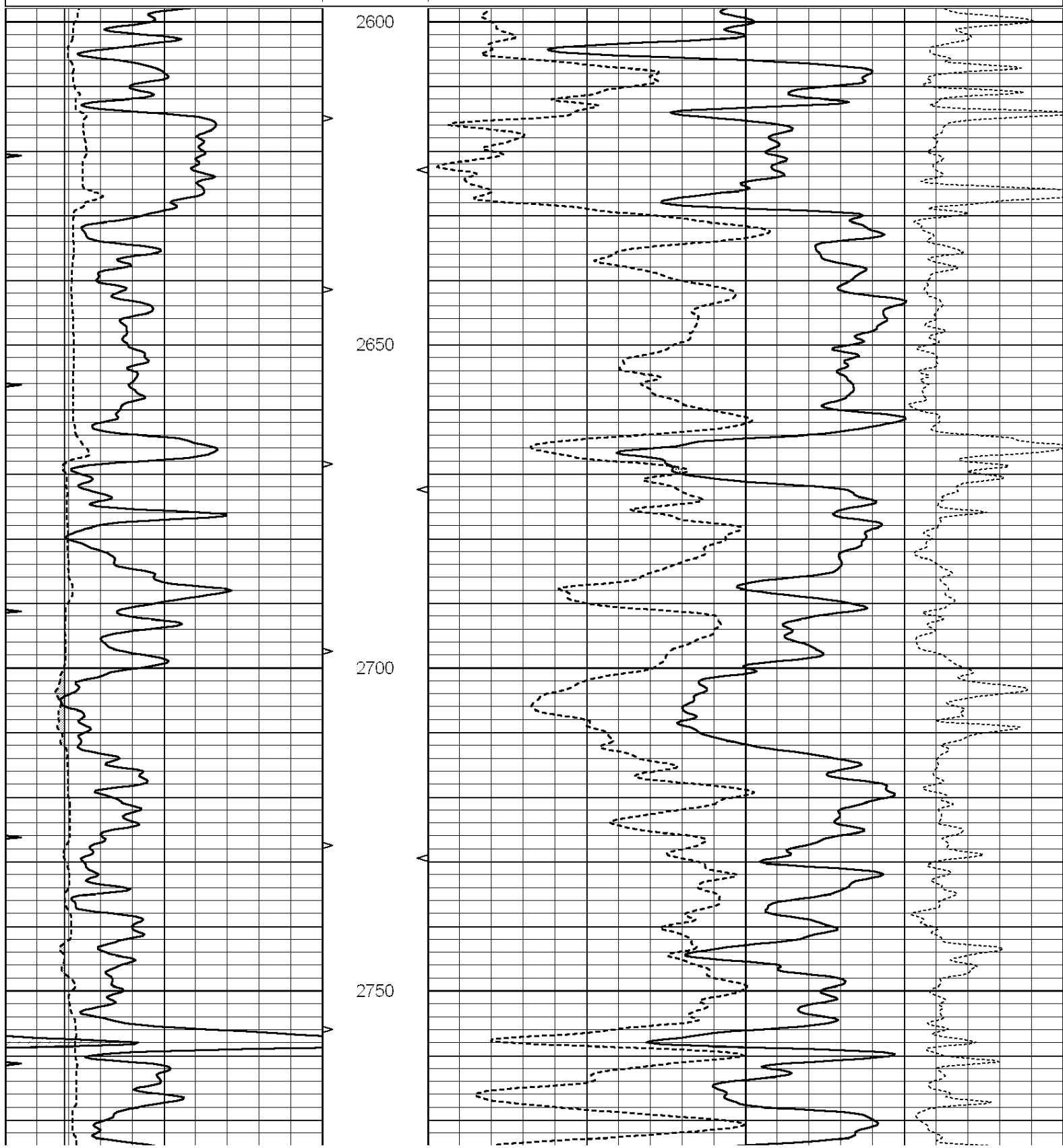


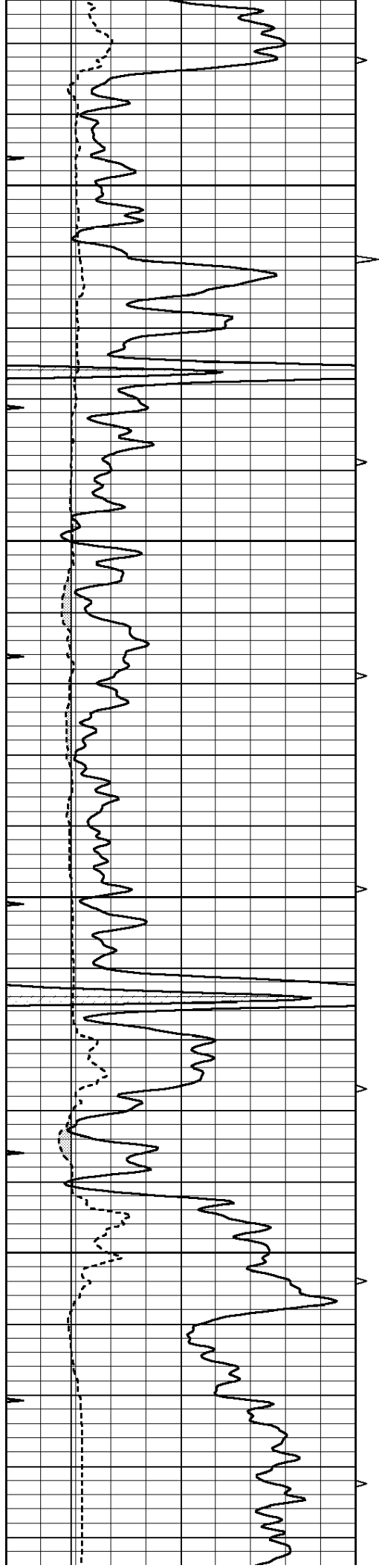
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MAIN SECTION

Database File: 008086ddn.db
Dataset Pathname: pass3.1
Presentation Format: _den_neu
Dataset Creation: Thu Nov 17 01:14:12 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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



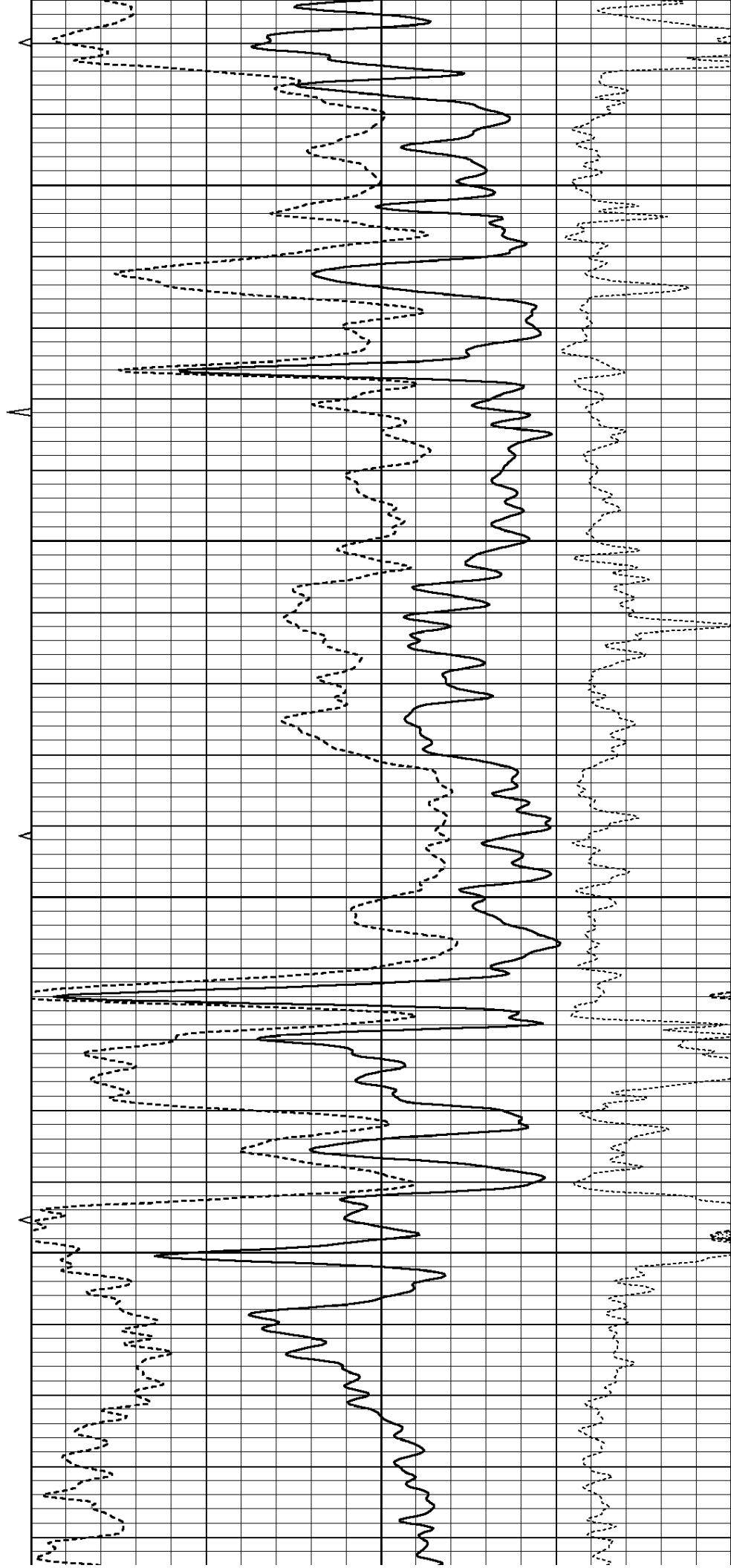
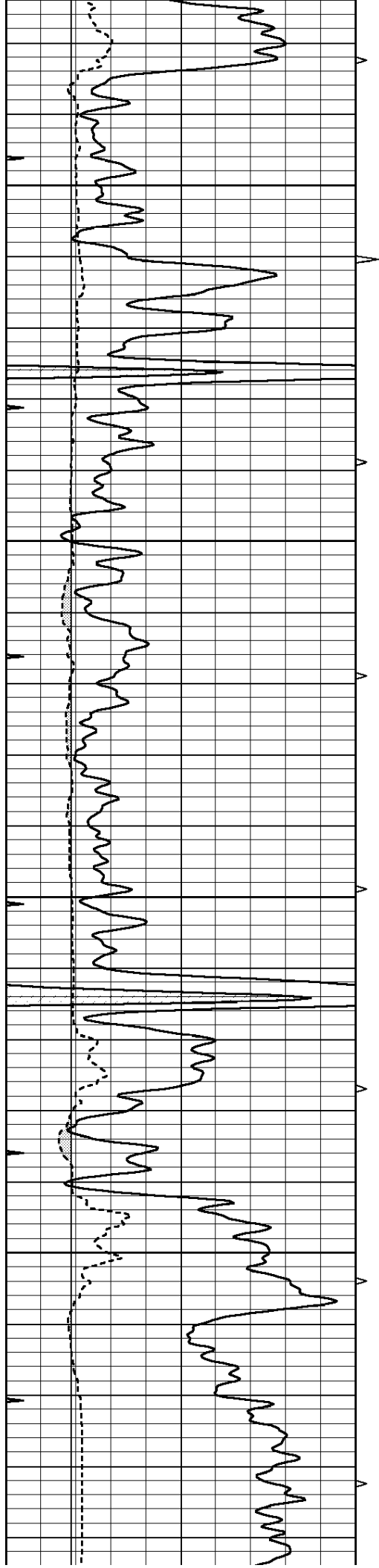
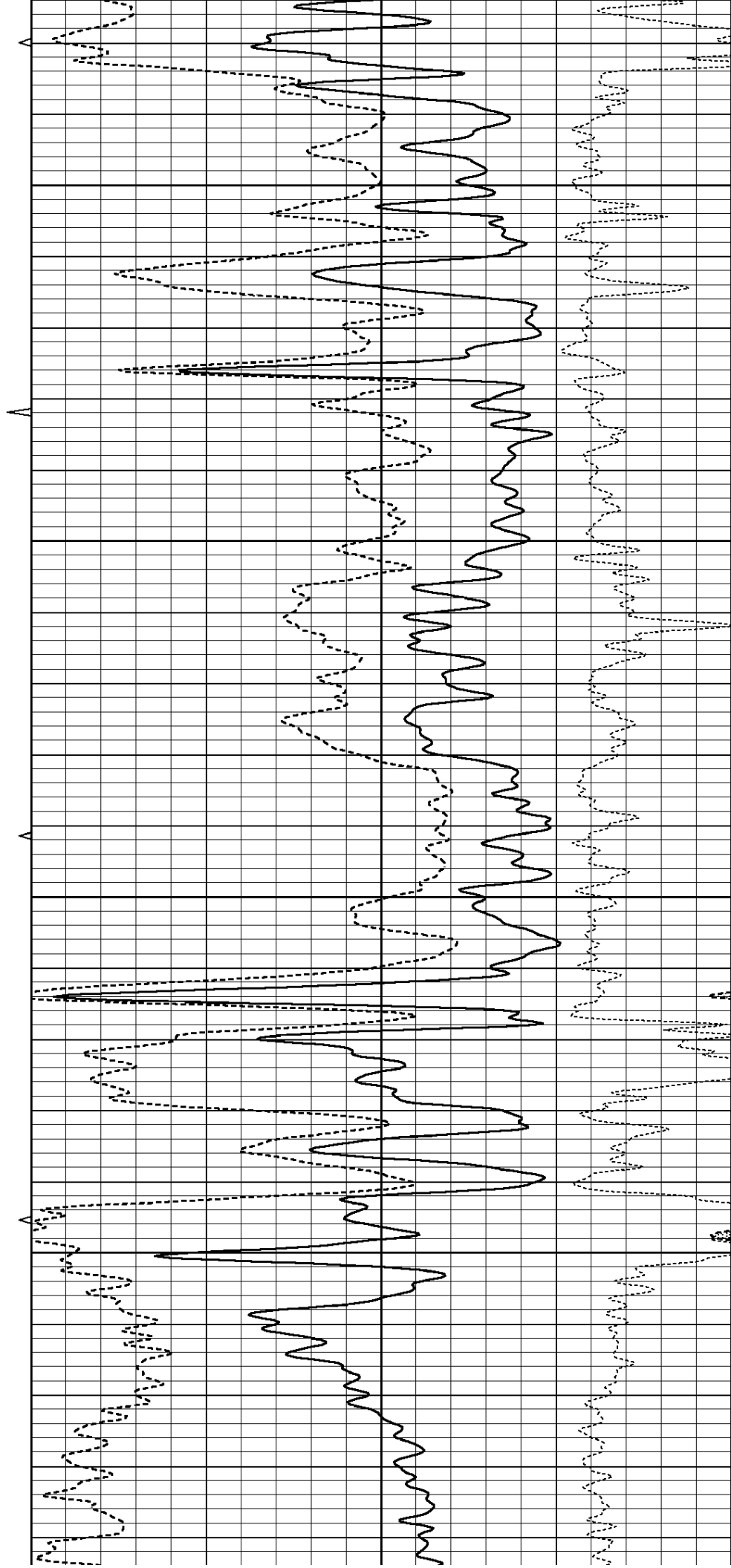


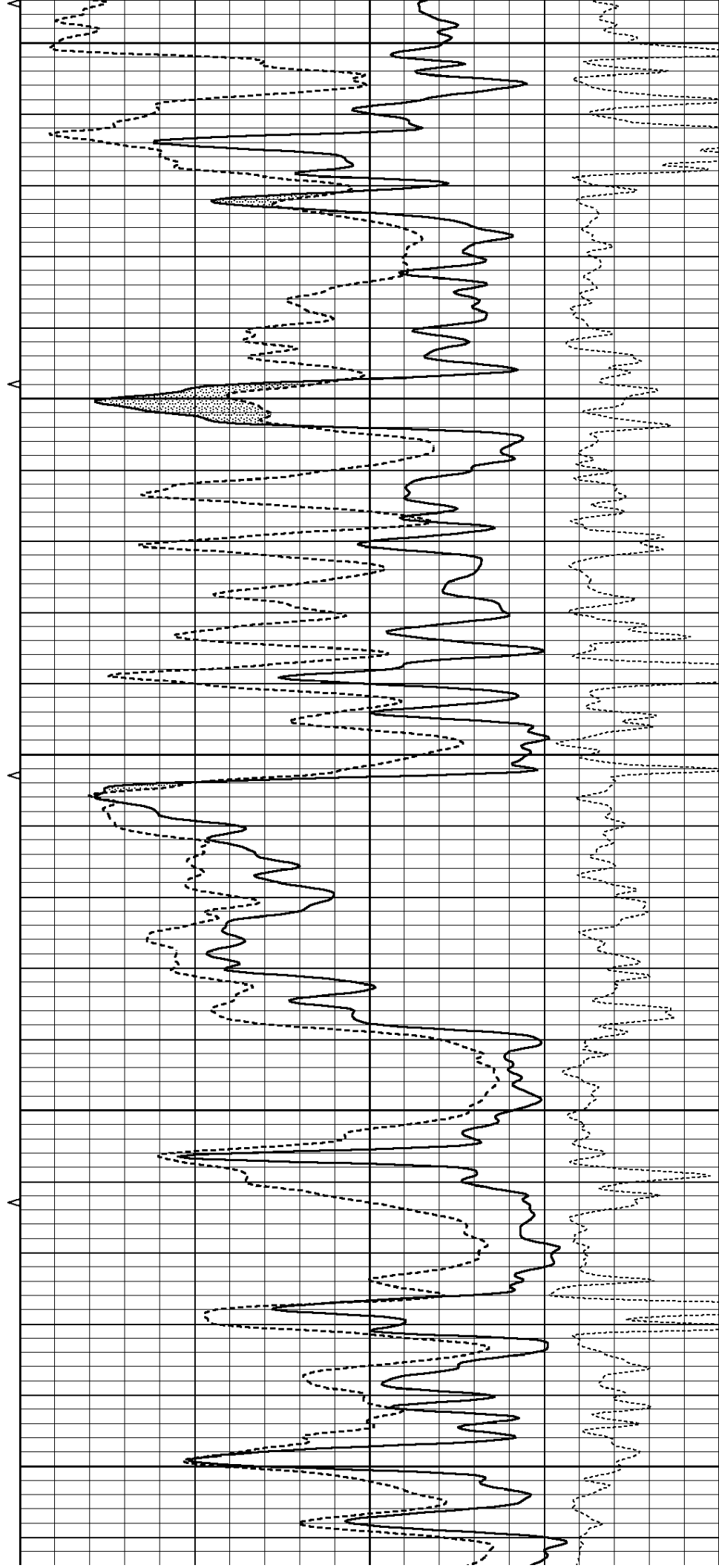
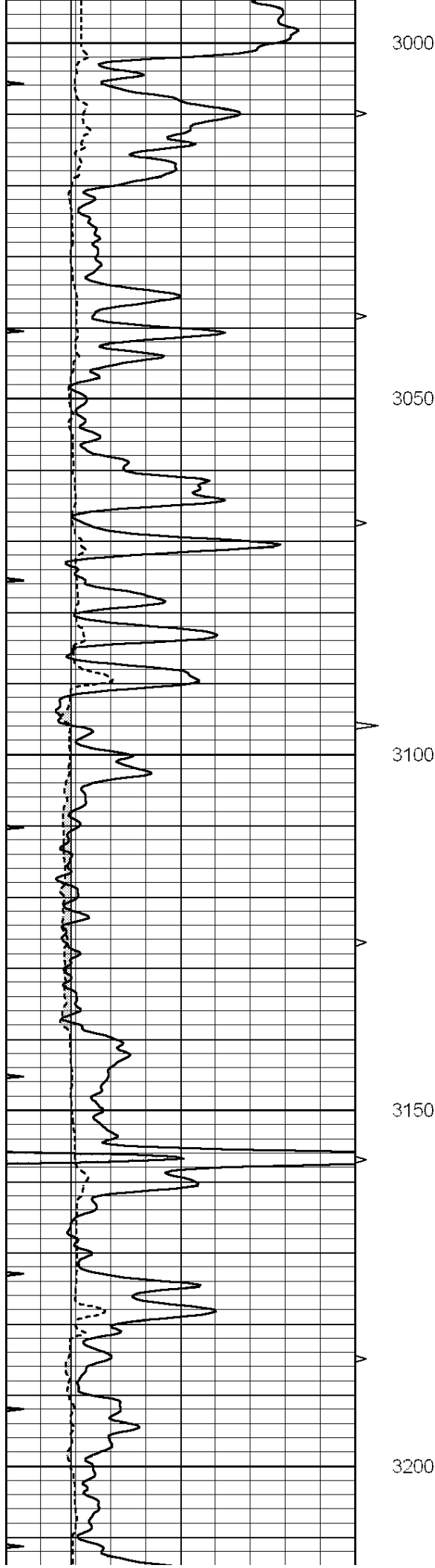
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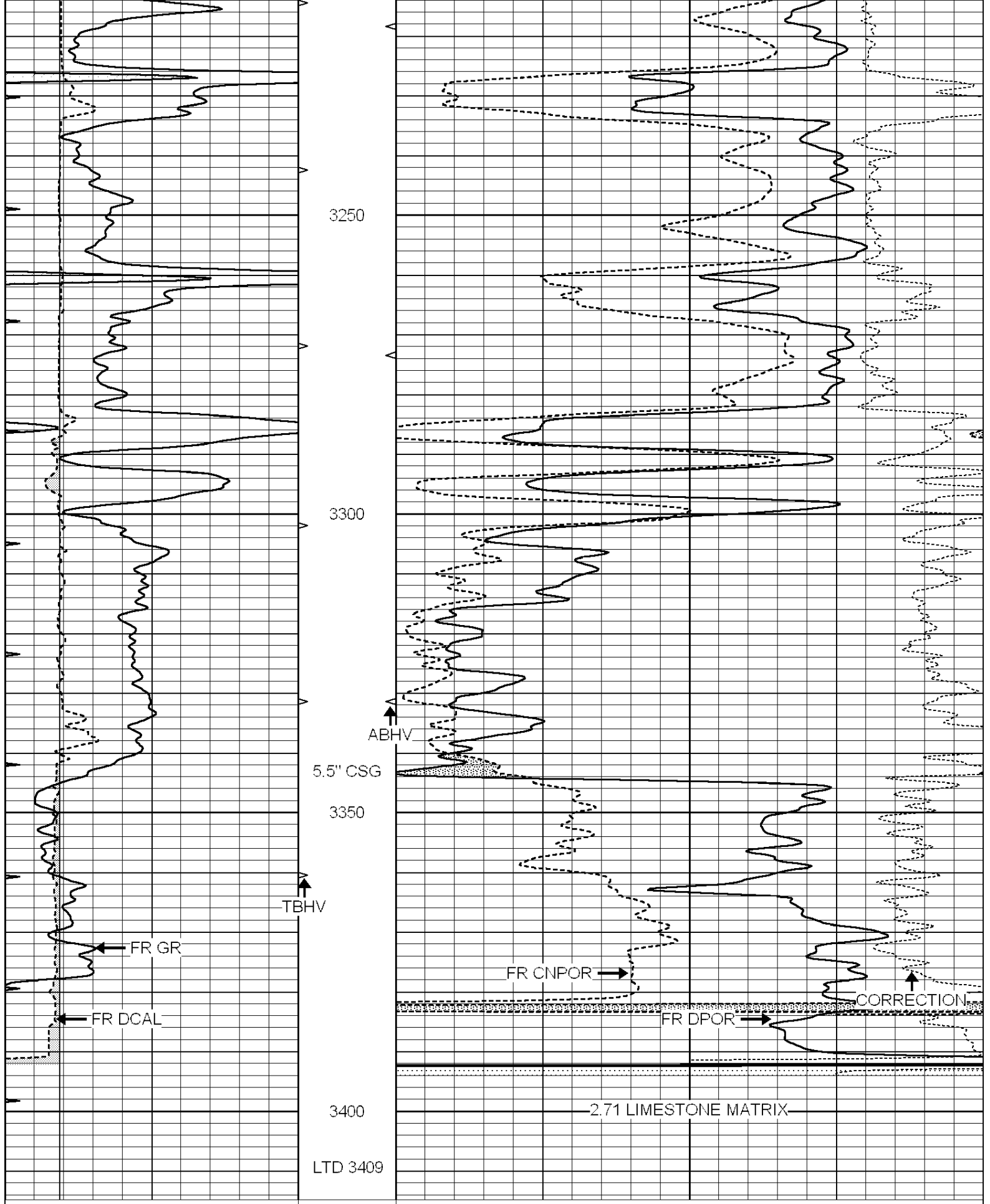
2850

2900

2950







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

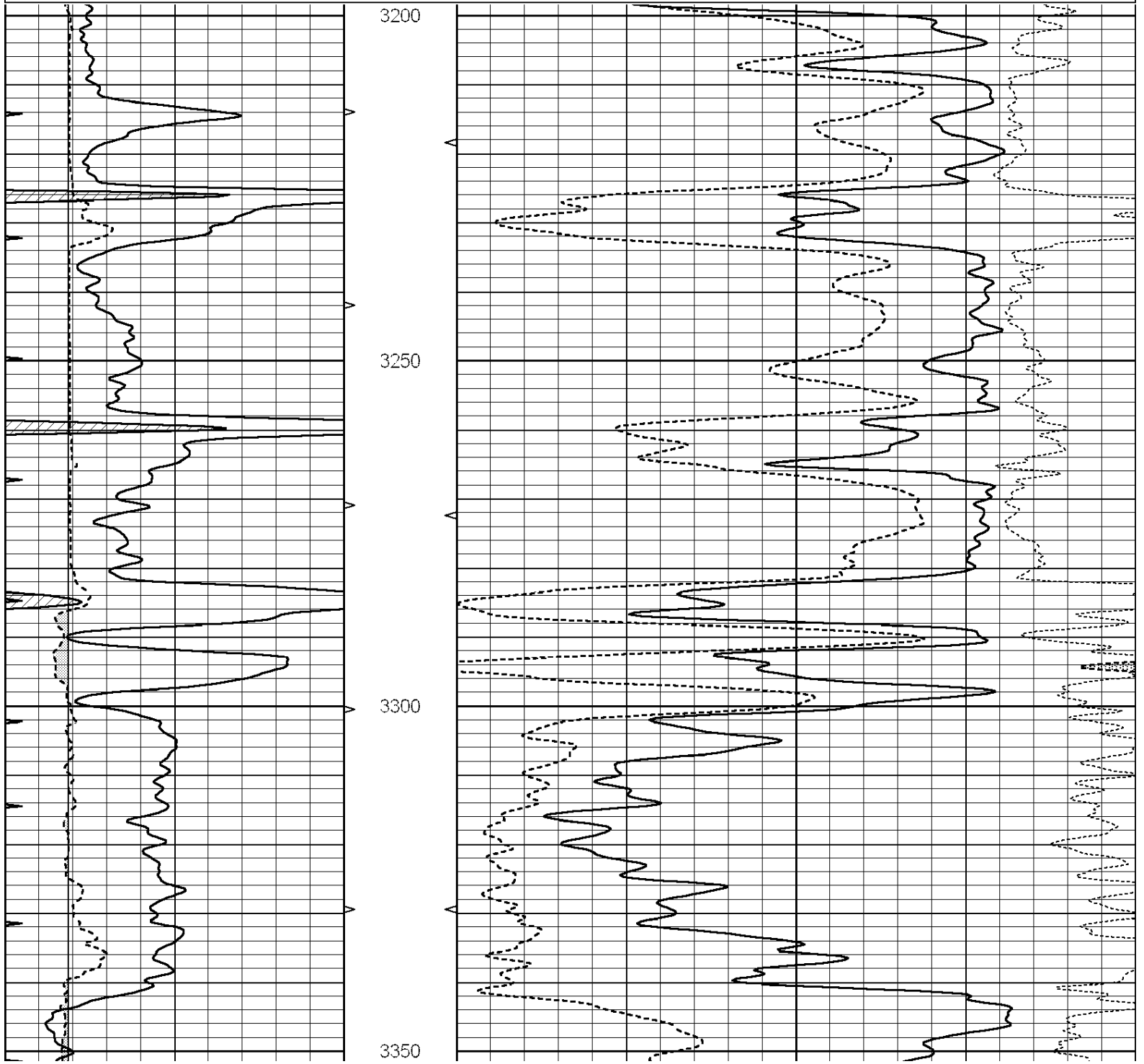


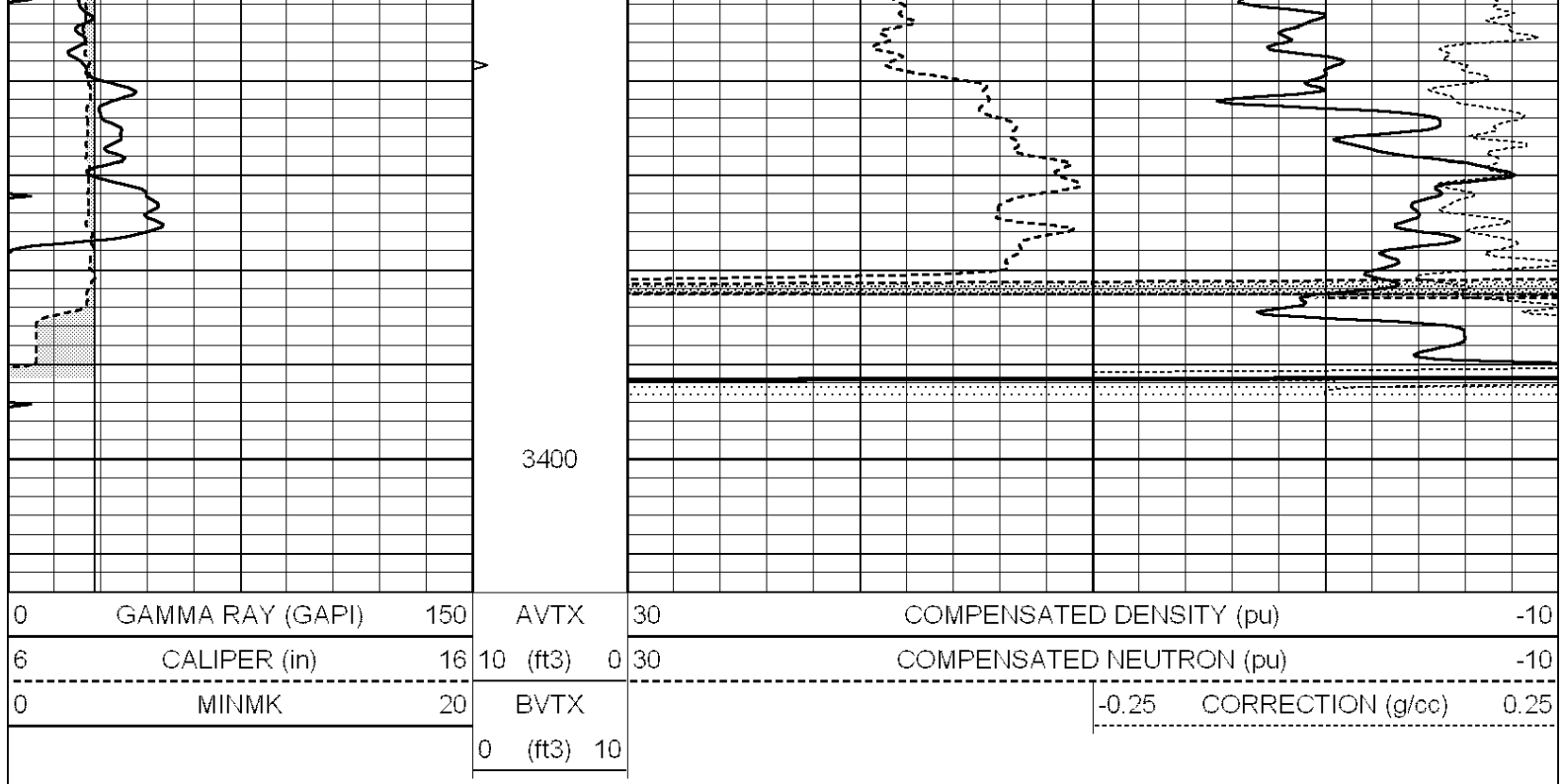
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REPEAT SECTION

Database File: 008086ddn.db
Dataset Pathname: pass2.1
Presentation Format: _den_neu
Dataset Creation: Thu Nov 17 01:19:24 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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





Calibration Report

Database File: 008086ddn.db
Dataset Pathname: pass2.1
Dataset Creation: Thu Nov 17 01:19:24 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
Surface Cal Performed: Wed Jul 30 06:14:24 2008
Downhole Cal Performed: Mon Jul 28 12:02:56 2008
After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification

Readings				Targets		Results	
	Zero	Cal		Zero	Cal	m'	b'

Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Compensated Density Calibration Report

Serial-Model:	GEAR4-GEARHART
Source / Verifier:	143 / 143
Master Calibration Performed:	Sat Jul 16 17:35:04 2011

Master Calibration					
	Density			Far Detector	Near Detector
Magnesium	1.710	g/cc		1015.91	497.51 cps
Aluminum	2.600	g/cc		227.67	350.20 cps
	Spine Angle = 76.79			Density/Spine Ratio = 0.579	
	Size			Reading	
Small Ring	8.00	in		2.24	V
Large Ring	14.00	in		4.38	V

Compensated Neutron Calibration Report

Serial Number:	6I
Tool Model:	G

CALIBRATION						
Detector	Readings		Target		Normalization	
Short Space	1.00	cps	1.00	cps	1.0000	
Long Space	1.00	cps	1.00	cps	1.0000	

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps