



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company	VINCENT OIL COPORATION		
Well	FRINK #1-28		
Field	FORD		
County	FORD	State	KANSAS
Location:	API # : 15-057-20652		Other Services DIL SONIC/MEL
SEC 28 TWP 28S RGE 23W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2514
Log Measured From	KELLY BUSHING 12' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	1-1-10		
Run Number	ONE		
Depth Driller	5400		
Depth Logger	5398		
Bottom Logged Interval	5374		
Top Log Interval	4200		
Casing Driller	580		
Casing Logger	NA		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.8 / 46		
pH / Fluid Loss	10.0 / 9.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.40 @ 70F		
Rinf @ Meas. Temp	0.30 @ 70F		
Rmc @ Meas. Temp	0.48 @ 70F		
Source of Rinf / Rmc	MEASURED		
Rim @ BHT	.220 @ 129F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:30 P.M.		
Maximum Recorded Temperature	129F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	KEN LeBLANC		

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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: KINGSDOWN, 2N TO WILBURN RD., W TO RD. #120, 1N, E INTO.

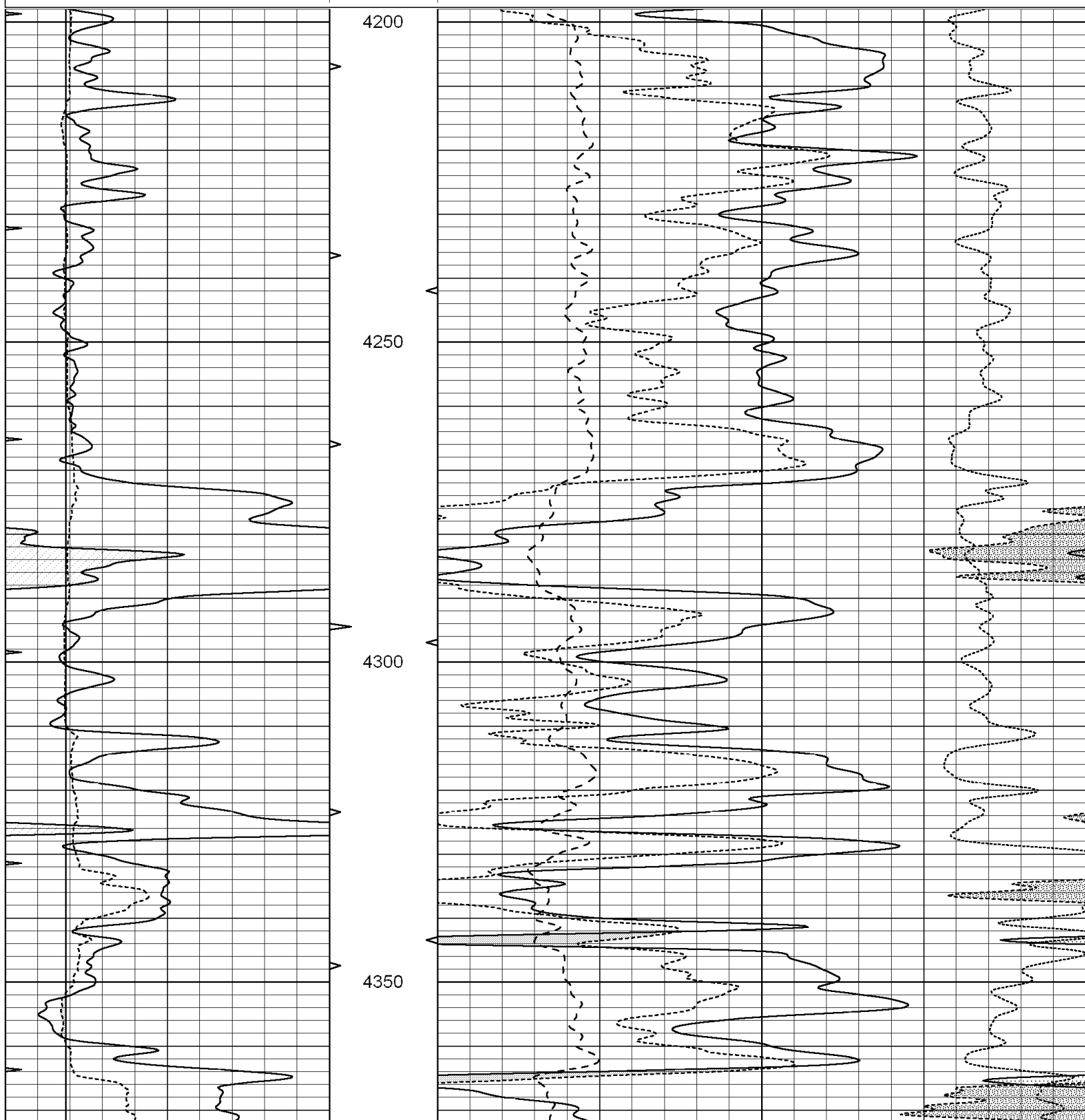


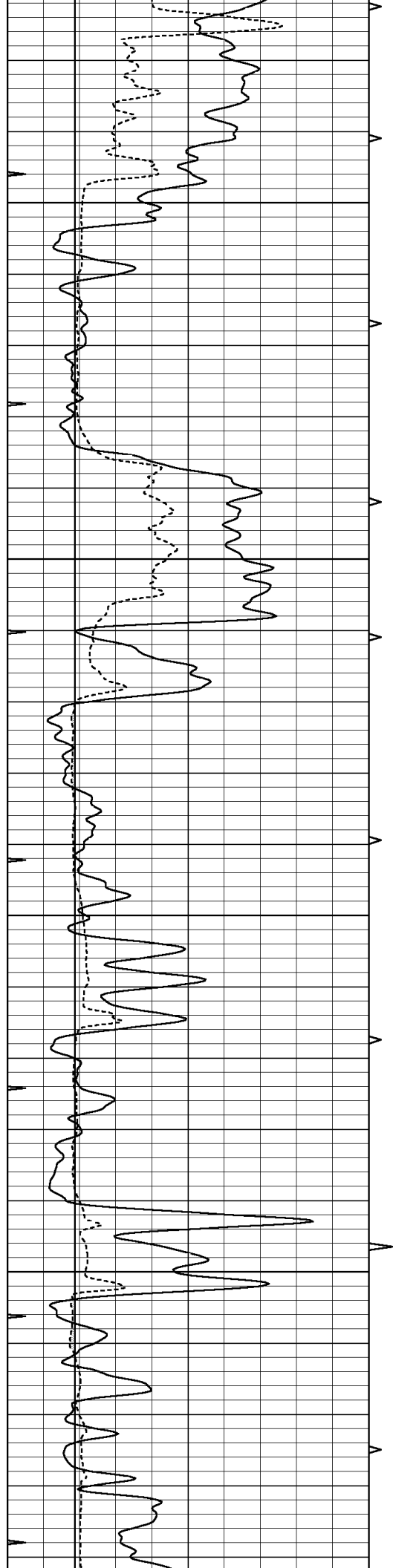
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MAIN SECTION

Database File: 004777pdn.db
Dataset Pathname: pass4.1
Presentation Format: ldt_neu
Dataset Creation: Fri Jan 01 16:29:06 2010 by Calc Open-Cased 051020
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
			TBHV	0	PE	10 -0.25
			0 (ft3) 10	RHOC (g/cc) 0.25		



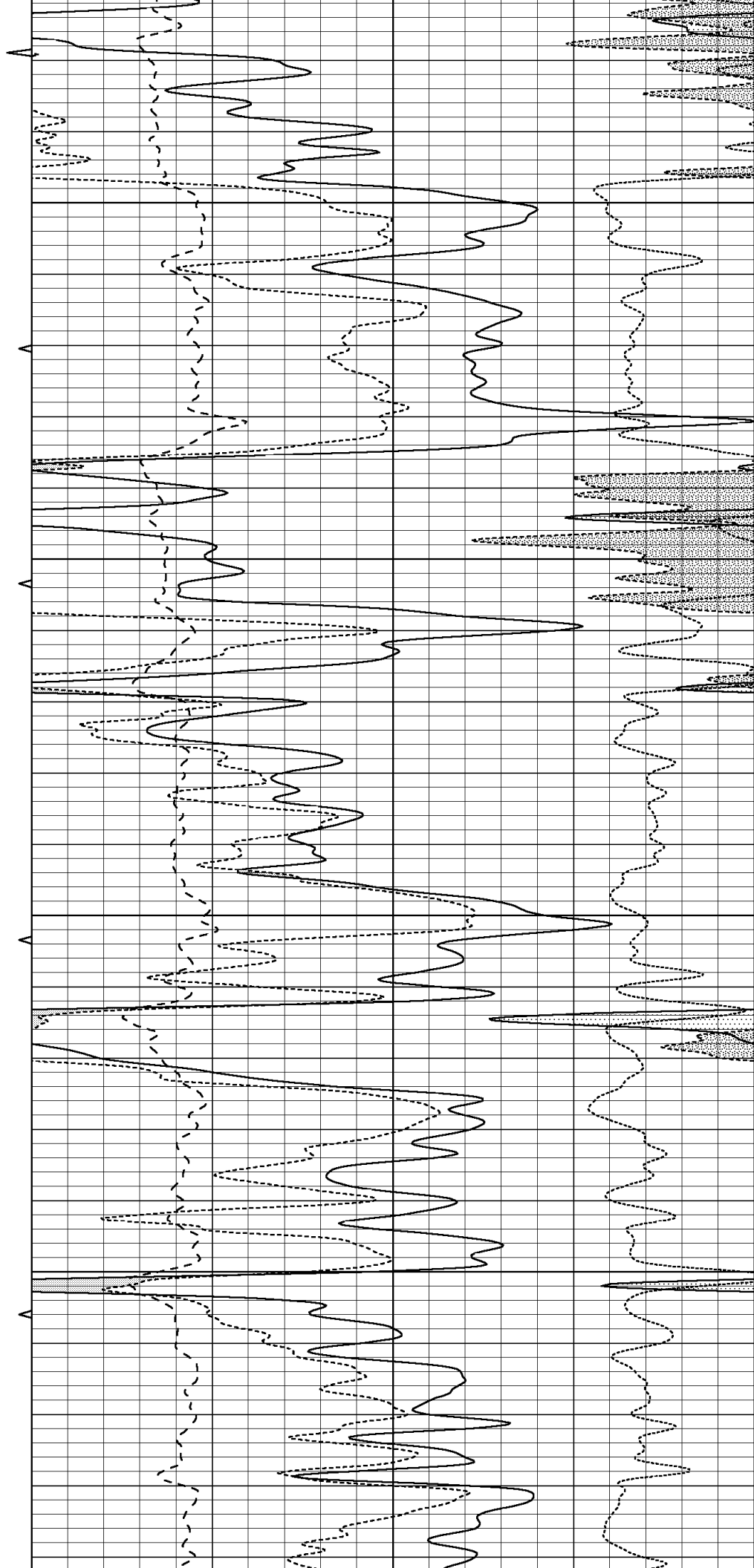


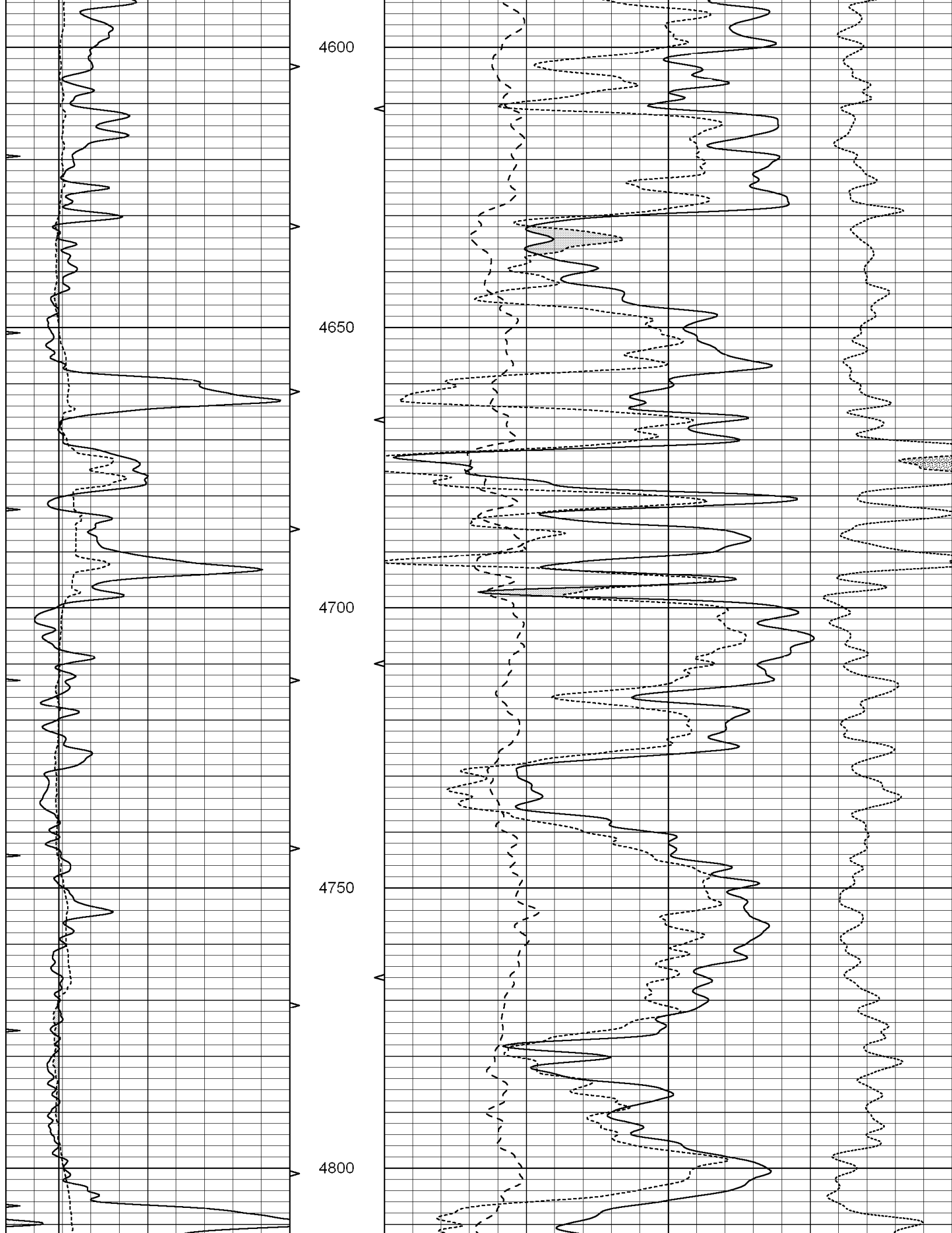
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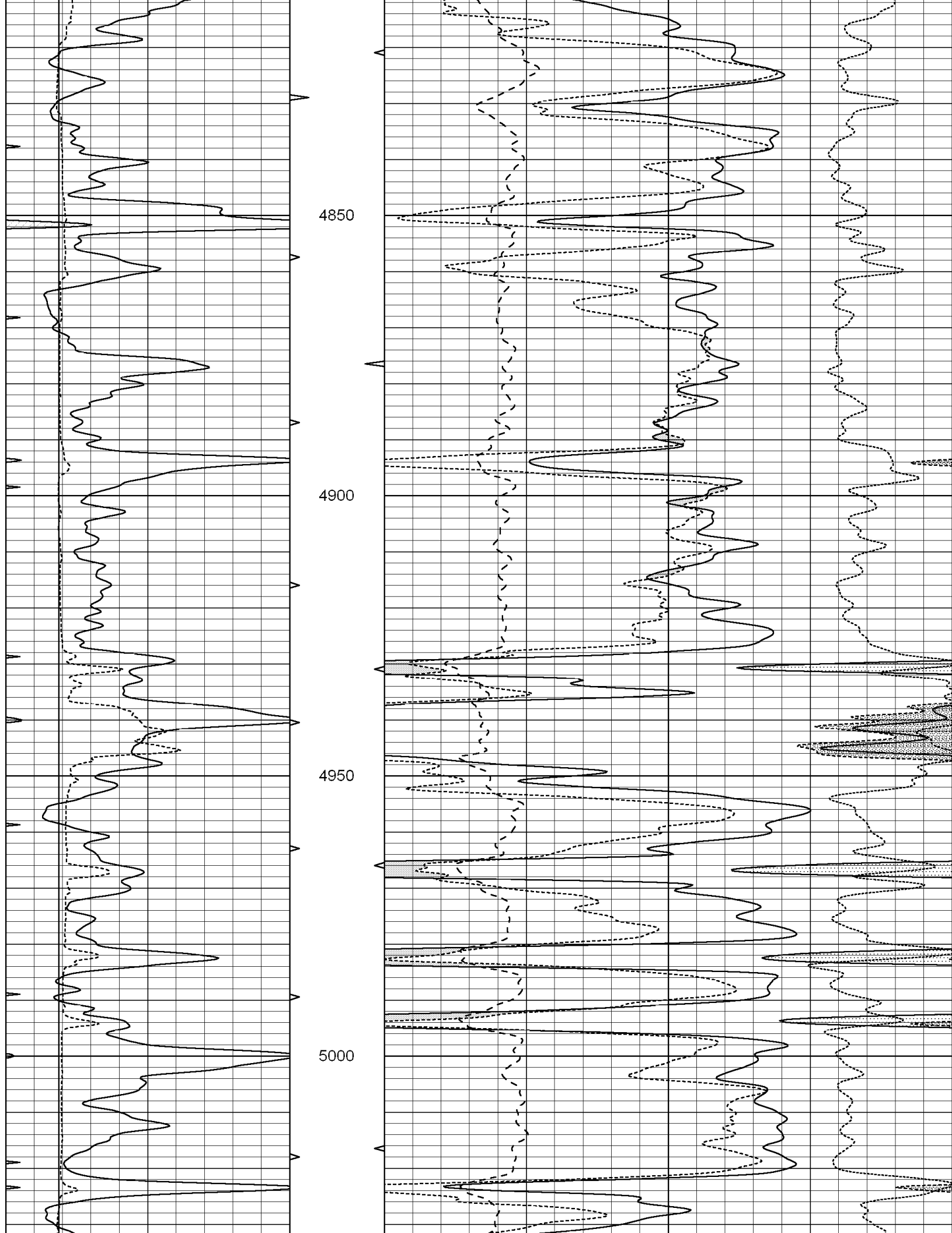
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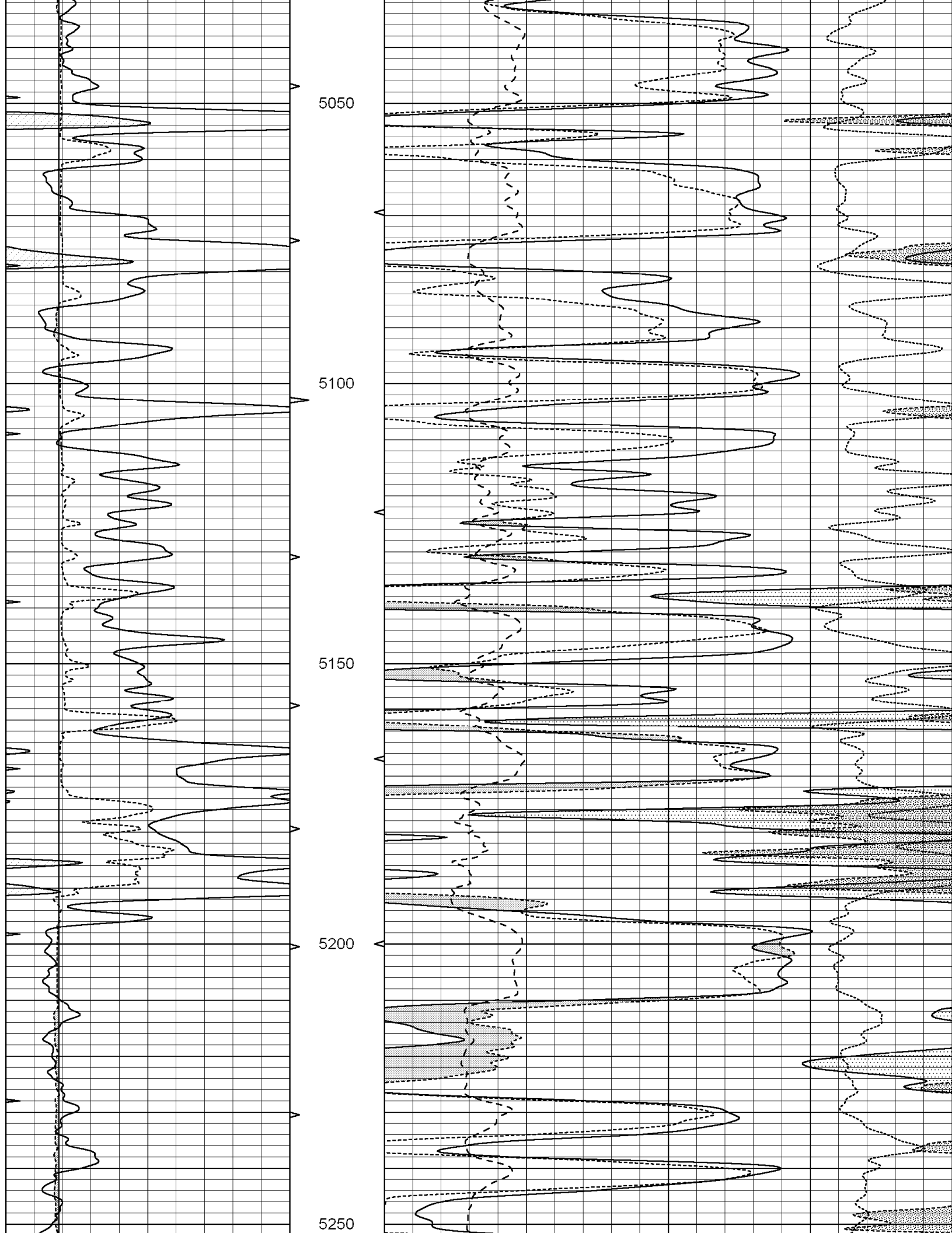
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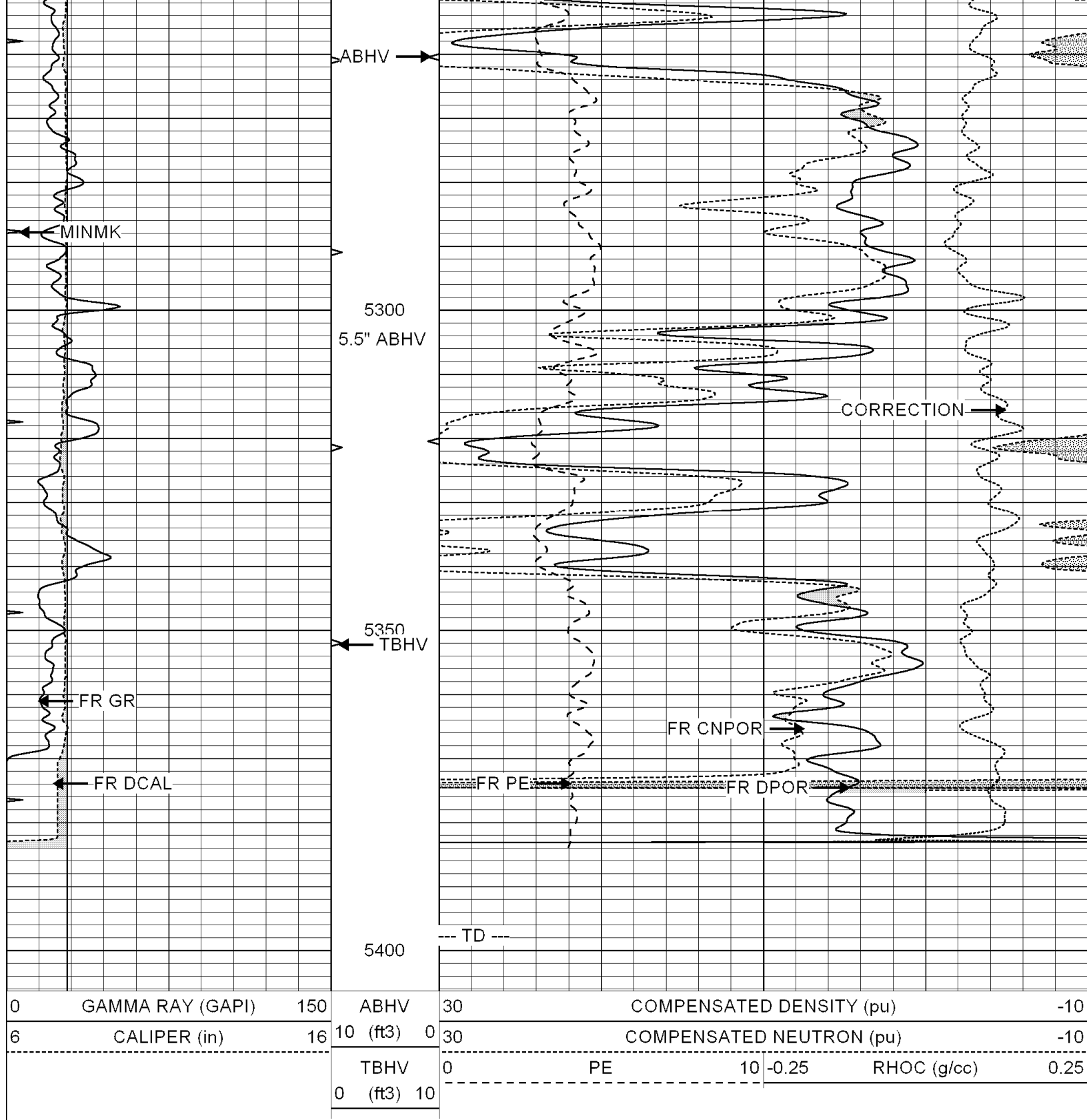
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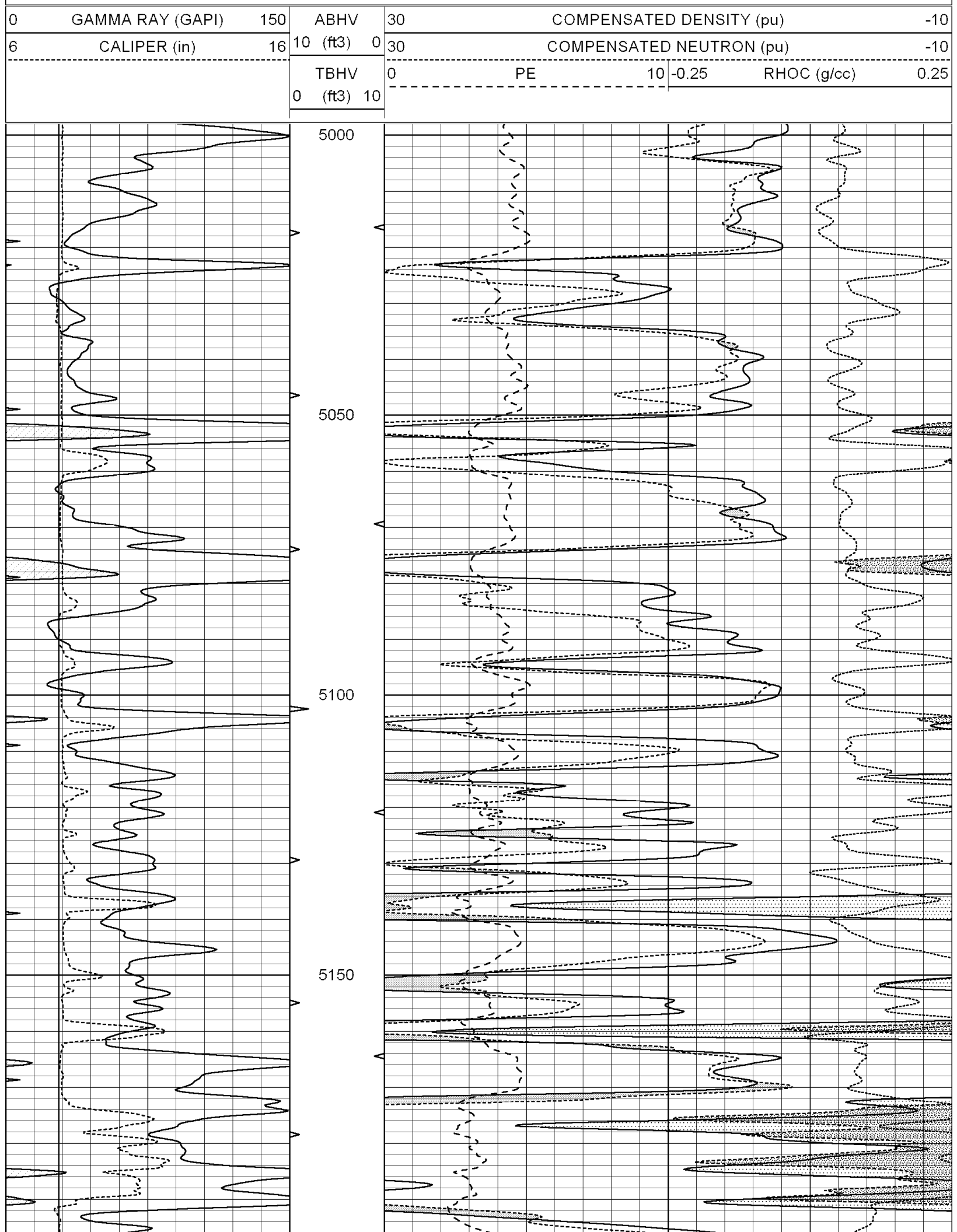


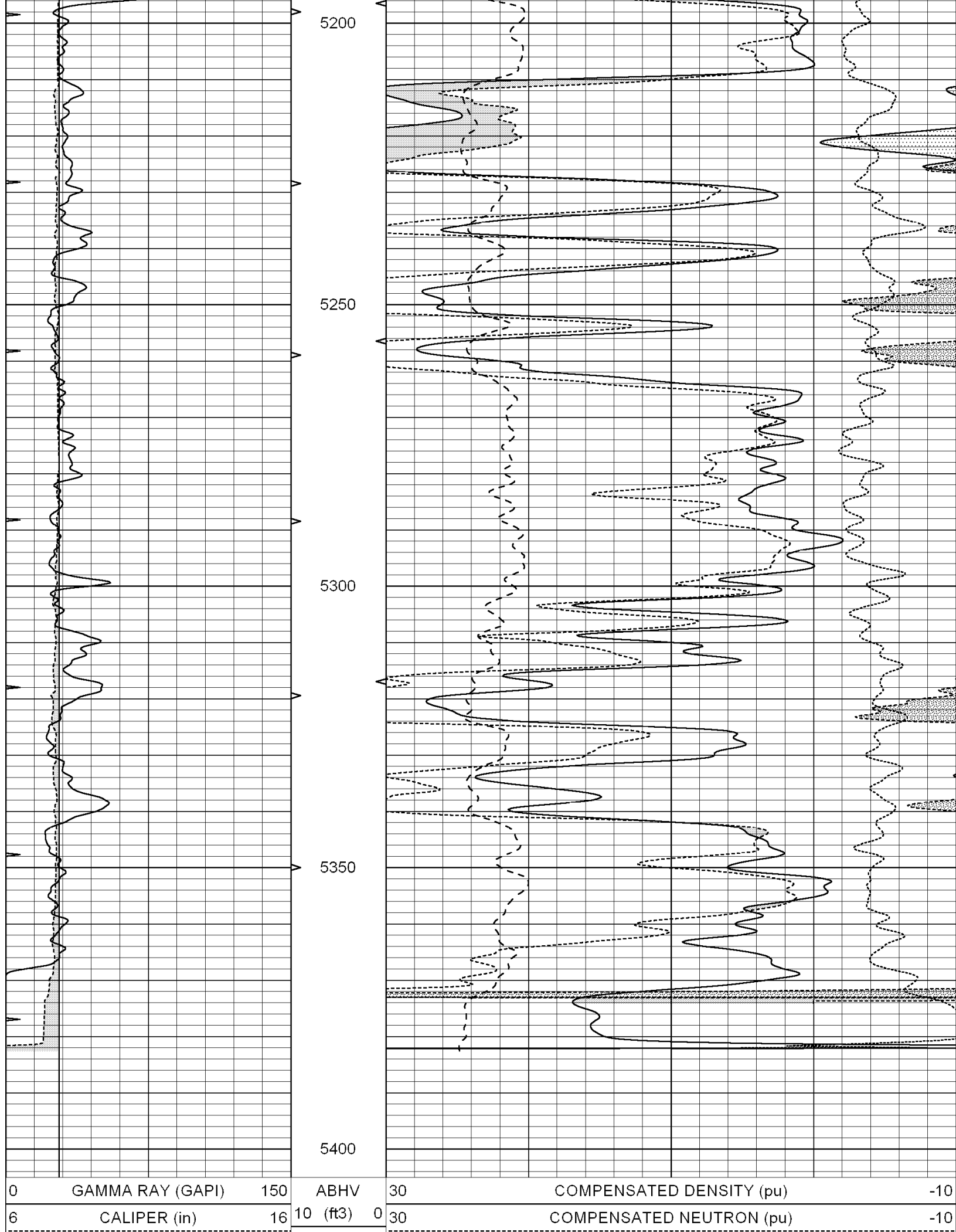


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REPEAT SECTION

Database File: 004777pdn.db
 Dataset Pathname: pass2.1A
 Presentation Format: ldt_neu
 Dataset Creation: Fri Jan 01 14:54:10 2010 by Calc Open-Cased 051020
 Charted by: Depth in Feet scaled 1:240





	TBHV	0	PE	10	-0.25	RHOC (g/cc)	0.25
	0 (ft3)	10					

Calibration Report	
Database File:	004777pdn.db
Dataset Pathname:	pass4.1
Dataset Creation:	Fri Jan 01 16:29:06 2010 by Calc Open-Cased 051020

Dual Induction Calibration Report	
Serial-Model:	DIL5-GEAR
Performed:	Fri Jan 01 14:55:02 2010

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho-m	560.000	-6.000
Medium	-0.005	0.737	V	0.000	462.500	mmho-m	540.000	-8.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho-m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho-m	627.607	-6.064

Litho Density Calibration Report	
Serial: 002N	Model: PRB
Performed Thu Feb 19 10:03:03 2009	

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	1015.4	8821.2	2774.6	10126.2	cps
Window 2	929.8	7357.8	2382.1	8264.8	cps
Window 3	660.0	2826.8	1135.5	3062.6	cps
Window 4	221.6	228.4	222.9	223.8	cps
Long Space	0.0	6428.0	1452.3	7335.1	cps
Short Space	0.9	1364.8	919.9	1495.3	cps
Rho		1.7100	2.5960	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.1	Rib Slope	: 1.005	Density/Spine Ratio	: 0.576
Spine Angle	: 75.1	Spine Slope	: 3.771	Spine Intercept	: -18.5

Caliper	Readings	Reference	
Low Ref	2.9	8.5	
High Ref	5.3	14.0	
	Gain: 2.3		Offset: 1.9

Compensated Neutron Calibration Report
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Serial Number:	NEU_1I
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

Gamma Ray Calibration Report

Serial Number:	GR5
Tool Model:	OPEN
Performed:	Thu Dec 17 10:25:53 2009

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.5800	GAPI/cps
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