SUPERIOR
Hays,
Kansas

COMPENSATED DENSITY / NEUTRON PE LOG

Company VINCENT OIL CORPORATION
Well IMEL-ROTZ UNIT #1-5
Field KINGSDOWN NORTHWEST
County FORD State KANSAS

Location: API # : 15-057-20795
1060' FSL & 2545' FWL
SEC 5 TWP 29S RGE 22W

Other Services
DIL
SONIC/MICRO

Elevation
K.B. 2513
D.F.
G.L. 2503

Permanent Datum GROUND LEVEL Elevation 2503
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Date	4-22-12		
Run Number	ONE		
Depth Driller	5420		
Depth Logger	5420		
Bottom Logged Interval	5396		
Top Log Interval	4200		
Casing Driller	695		
Casing Logger	695		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0 / 49		
pH / Fluid Loss	10.5 / 14.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.38 @ 86F		
Rmf @ Meas. Temp	0.29 @ 86F		
Rmc @ Meas. Temp	0.46 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.290 @ 129F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	6:00 A.M.		
Maximum Recorded Temperature	129F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	TOM DUDGEON	JIM HALL	

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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, 1E, N INTO.

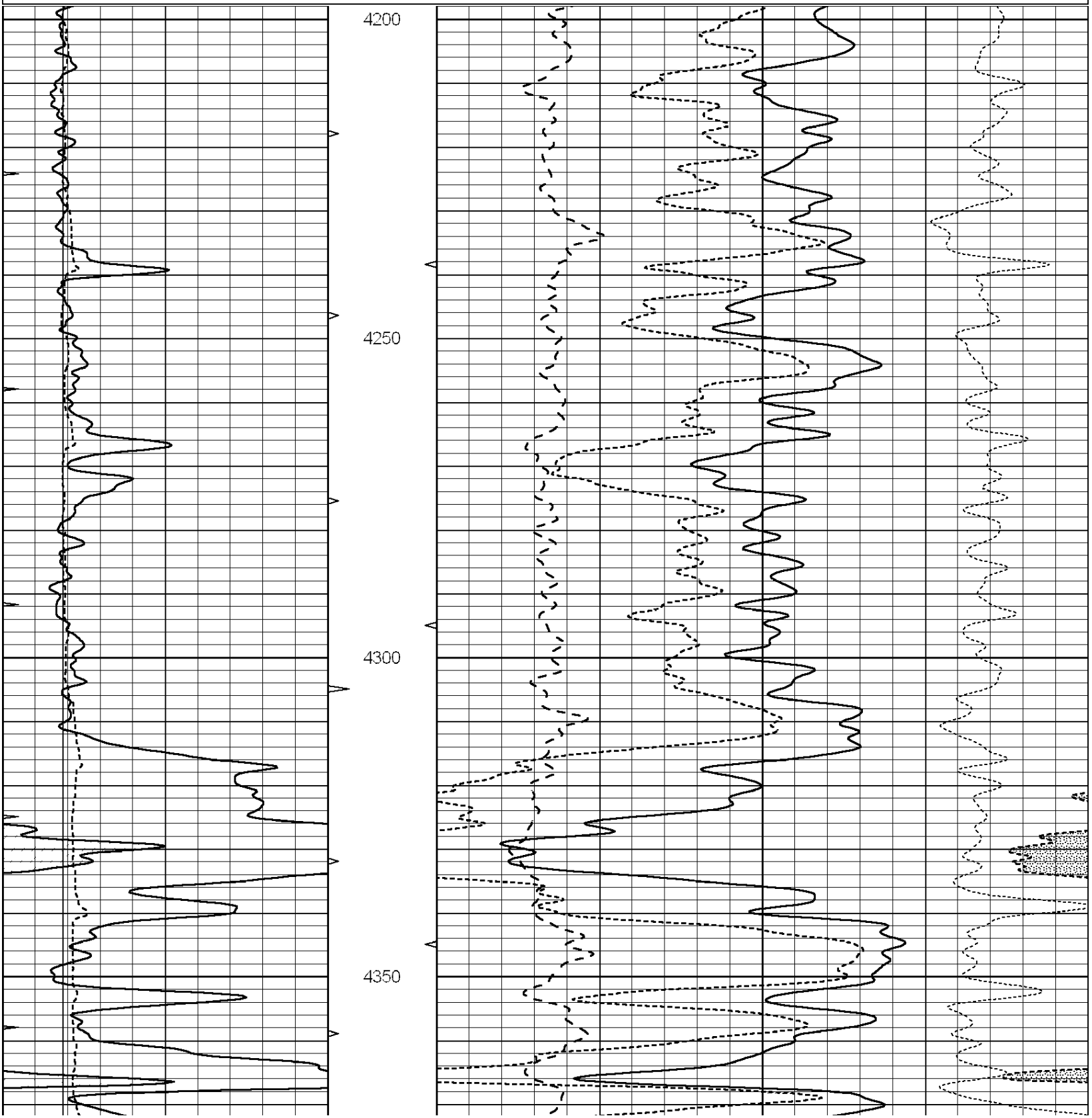
MAIN SECTION

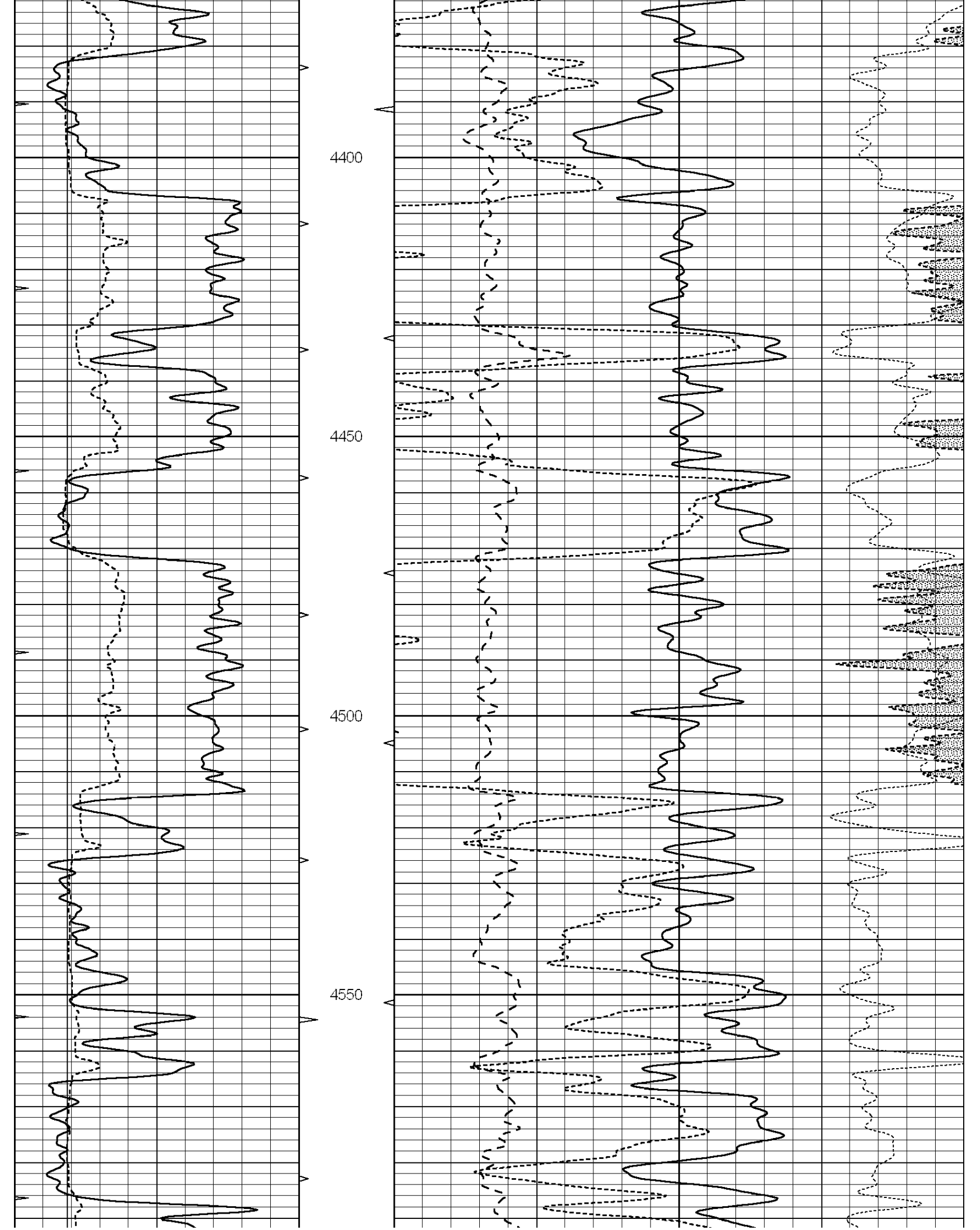
SUPERIOR
Hays,

Kansas

Database File:	008722pdn.db
Dataset Pathname:	pass3.A
Presentation Format:	ldt_neu
Dataset Creation:	Sun Apr 22 08:34:13 2012 by Calc Open-Cased 090629
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	PE	10 -0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				

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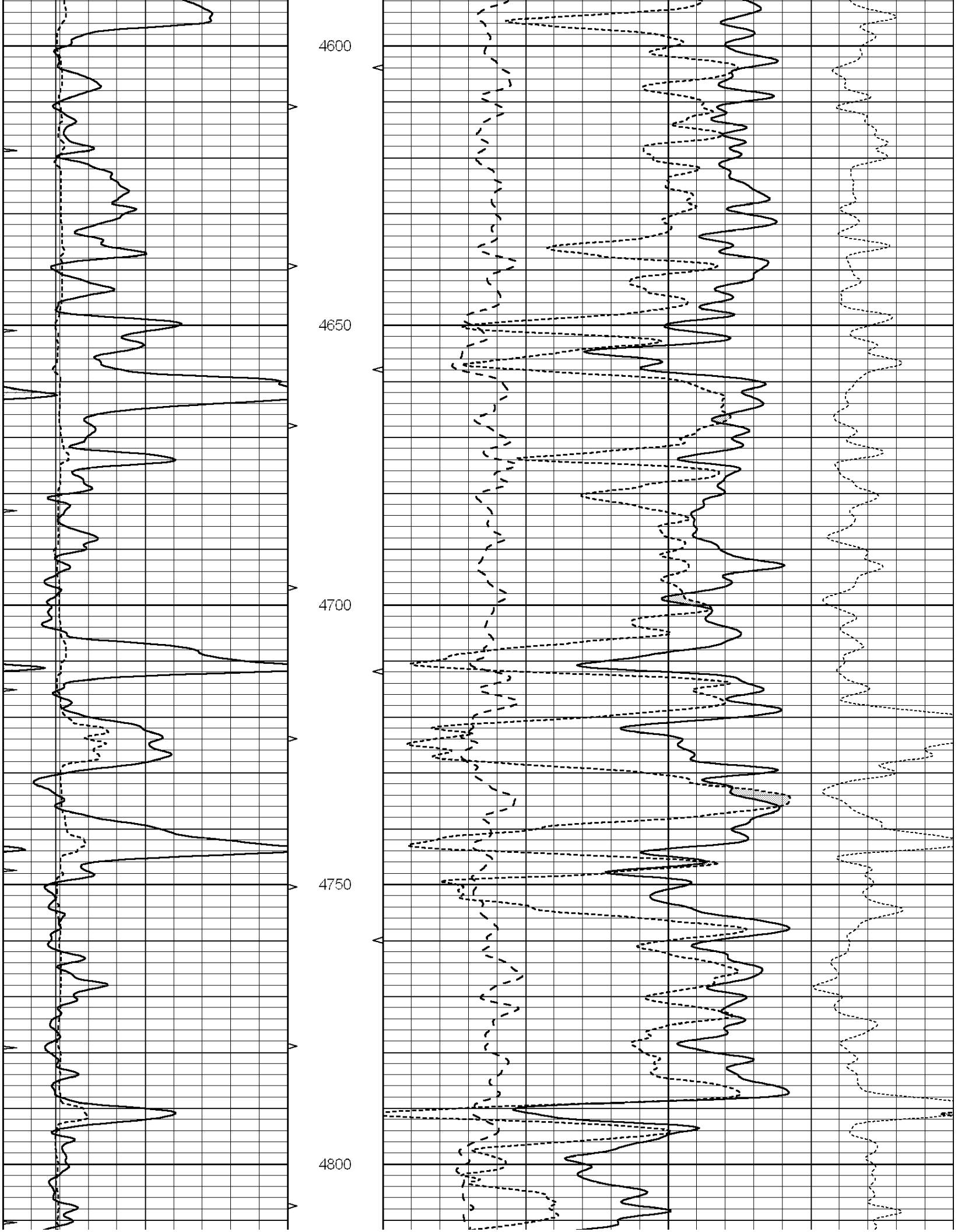
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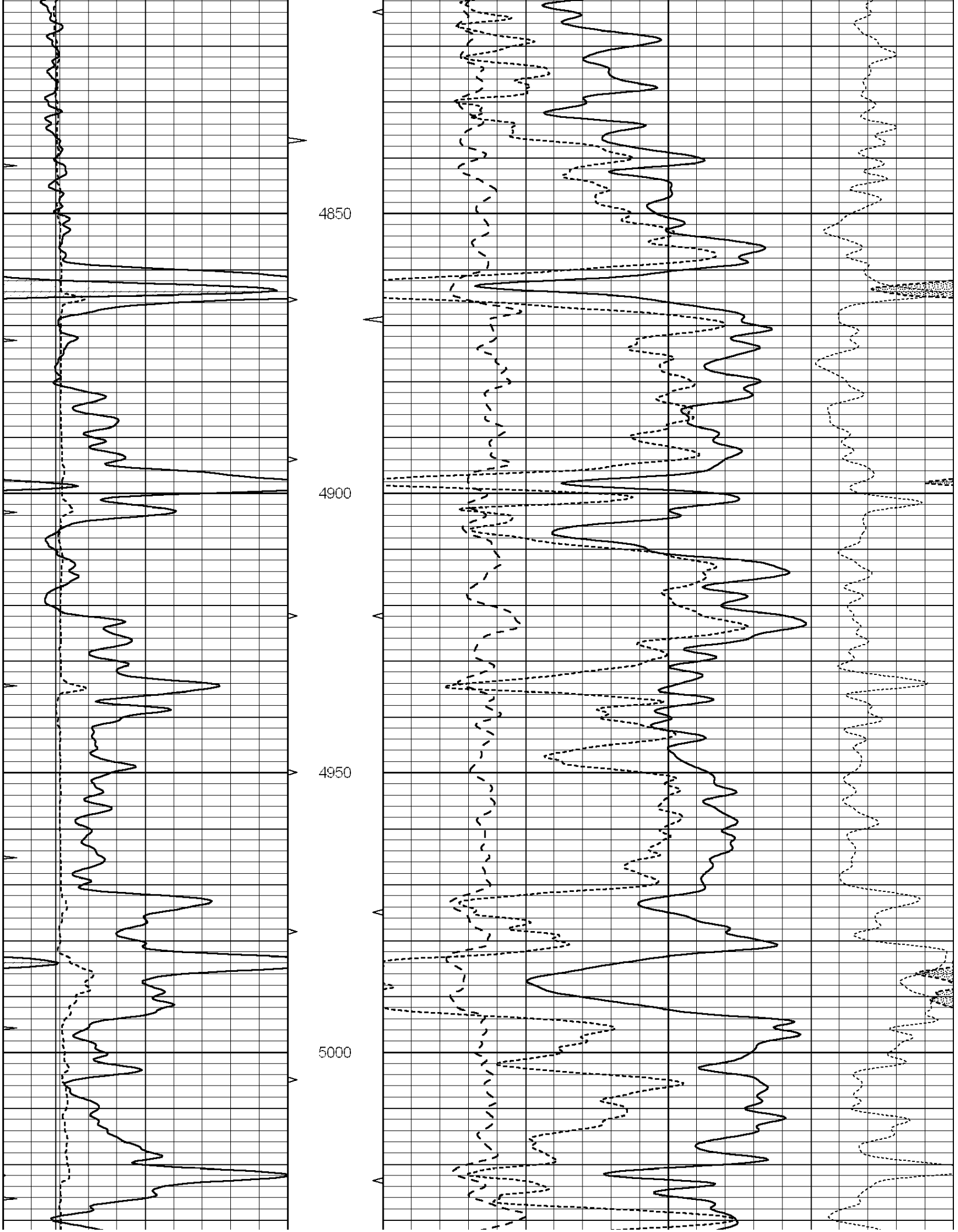
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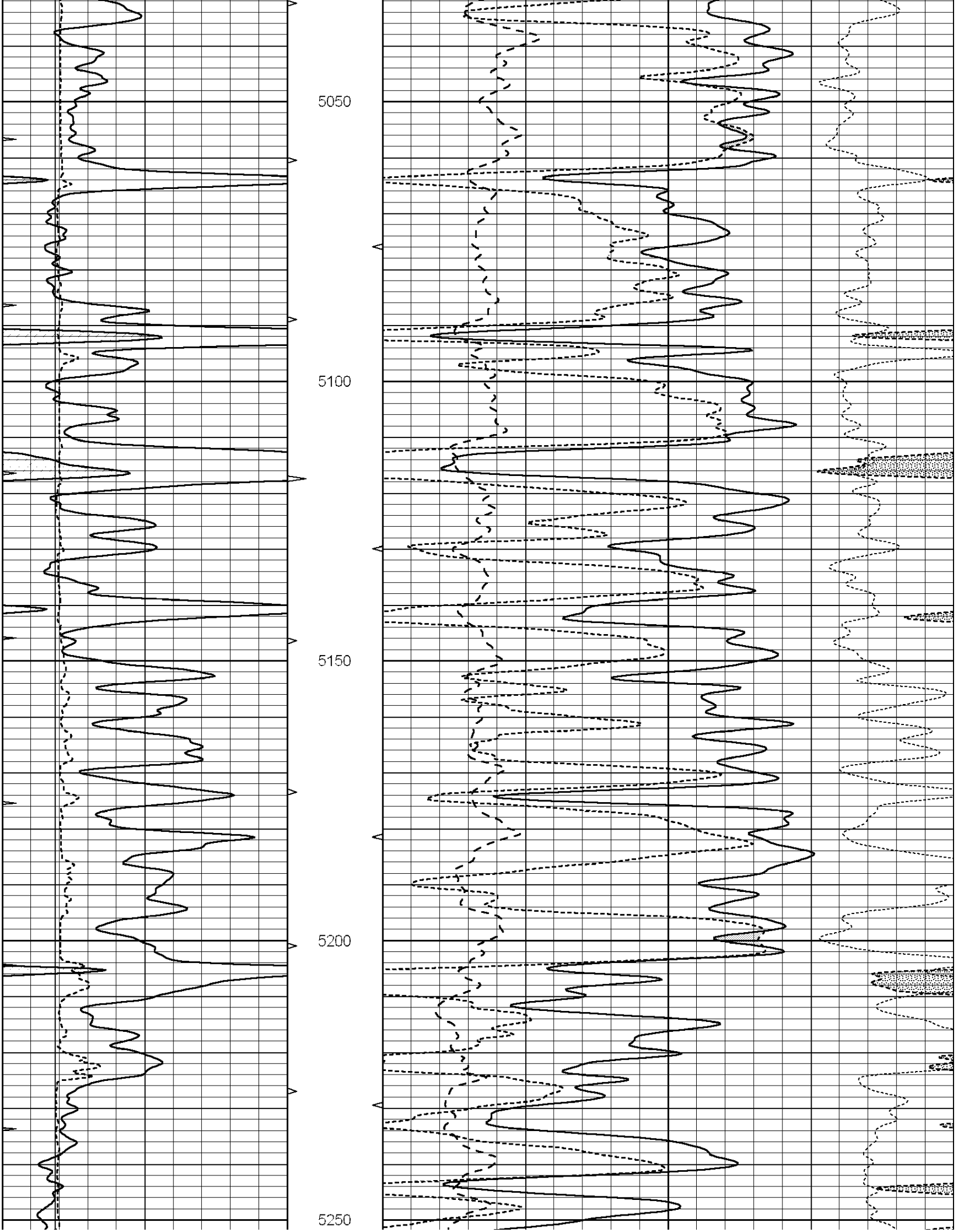
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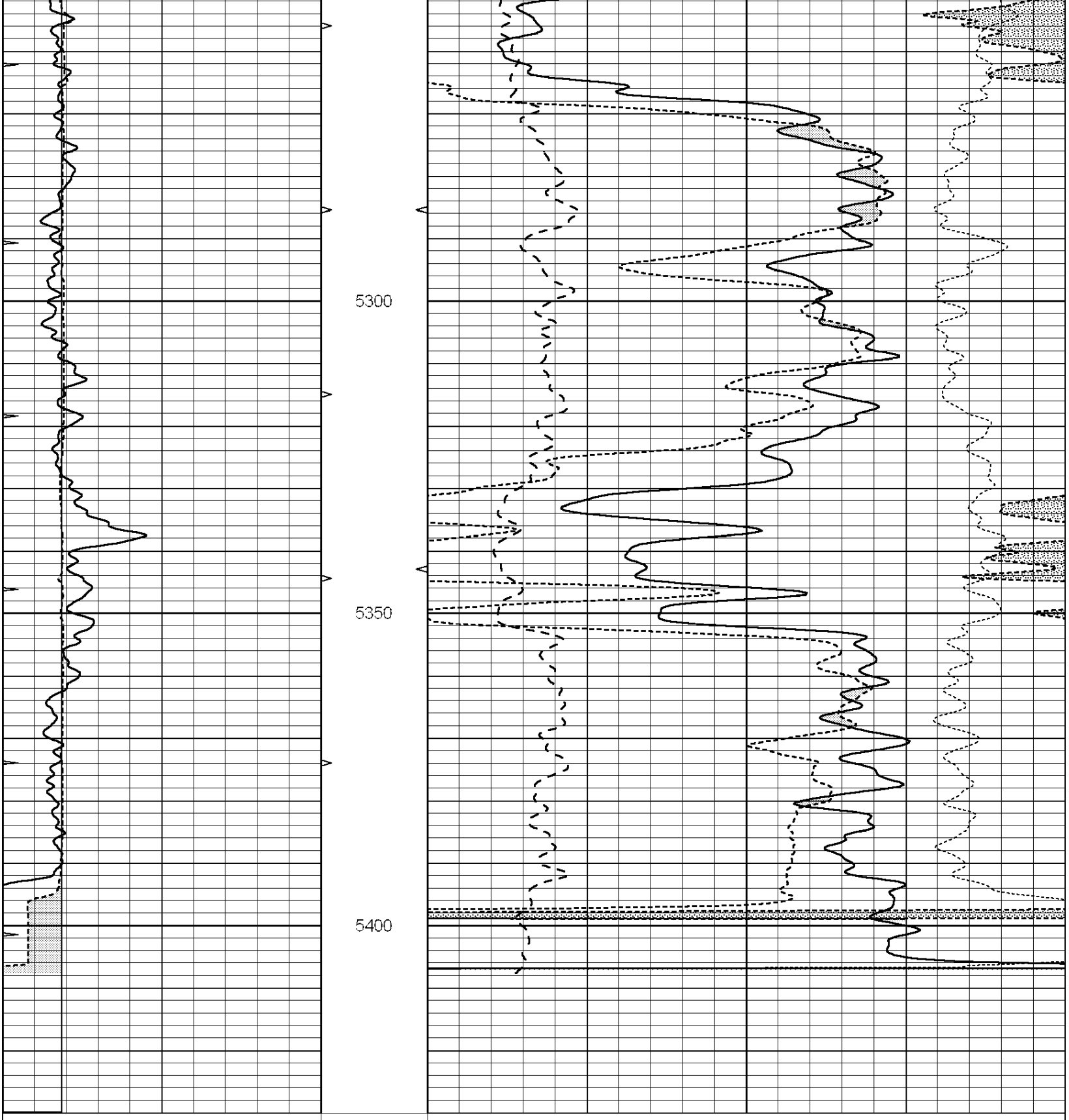


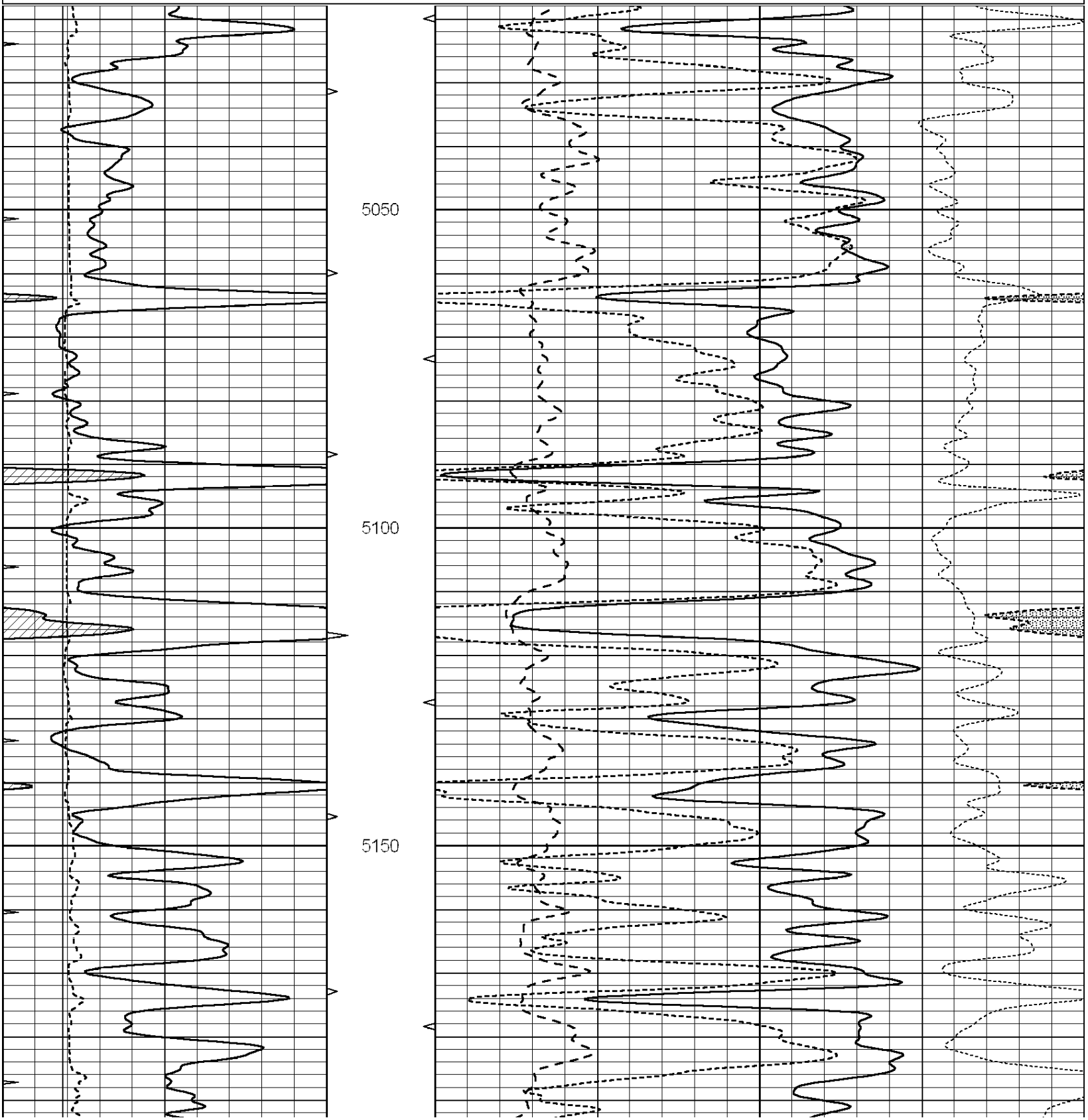
SUPERIOR WELL SERVICES

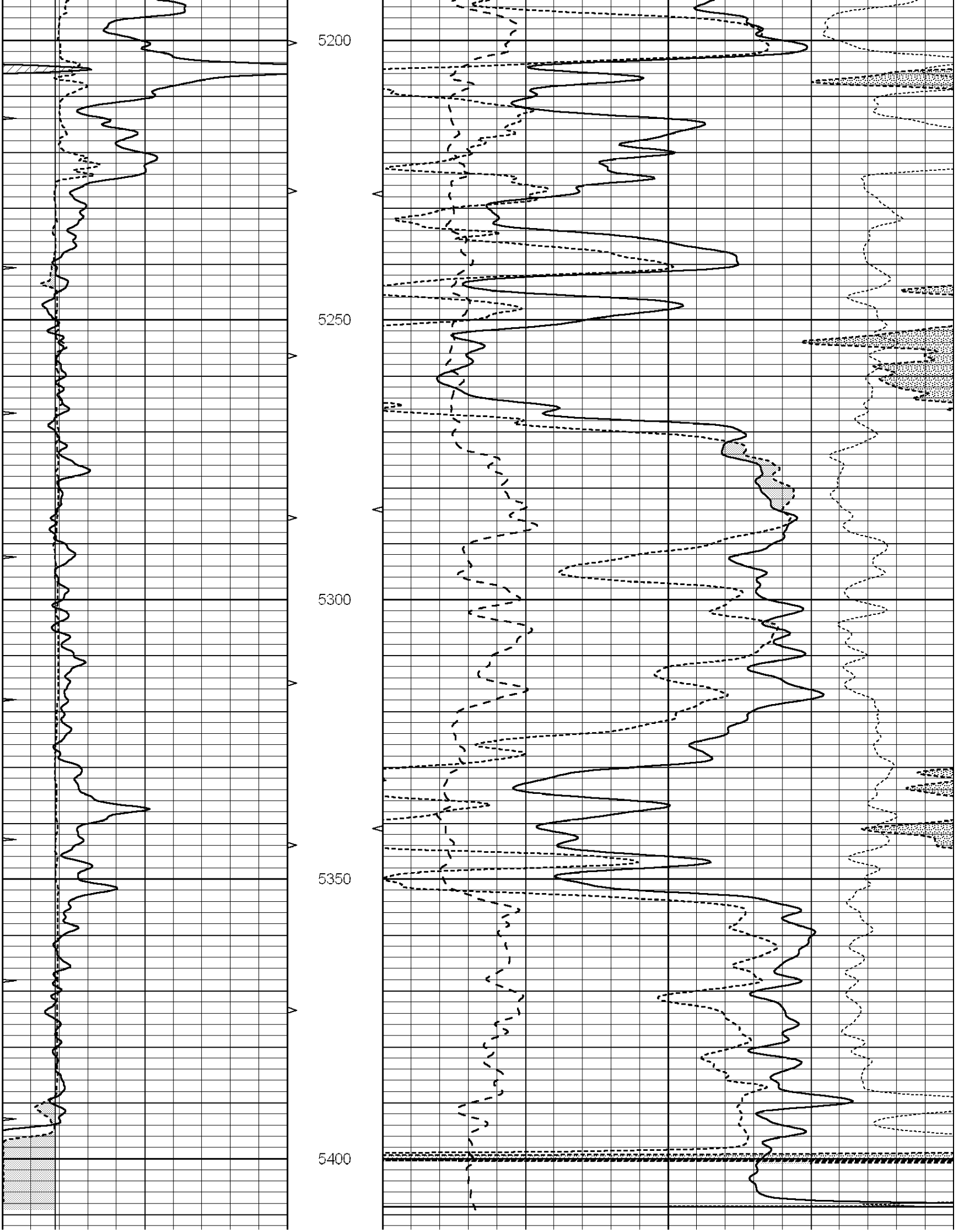
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 008722pdn.db
Dataset Pathname: pass2.A
Presentation Format: ldt_neu
Dataset Creation: Sun Apr 22 06:41:35 2012 by Calc Open-Cased 090629
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	PE	10	-0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10				

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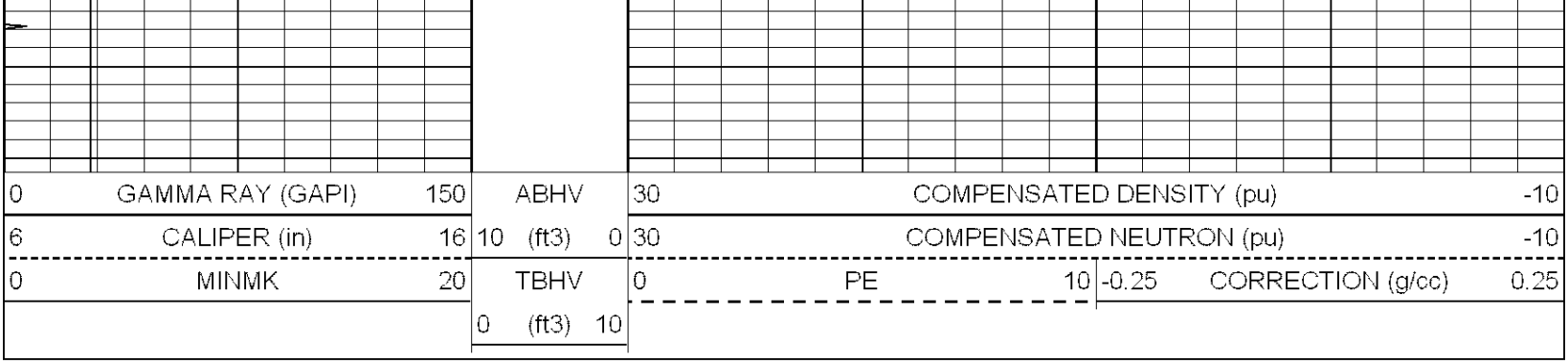

Calibration Report

Database File: 008722pdn.db
Dataset Pathname: pass3.A
Dataset Creation: Sun Apr 22 08:34:13 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Sun Apr 22 06:58:49 2012
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	550.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	540.000	-18.000
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		3970.000	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		

Litho Density Calibration Report

Serial: 002 Model: PRB
Performed Mon Apr 02 17:56:53 2012

Litho Density Calibration

Background	Magnesium	Aluminum	Sandstone

Window 1	872.3	7266.3	2292.6	7931.5	cps
Window 2	822.9	5957.5	1958.0	6389.6	cps
Window 3	670.4	3219.9	1211.9	3388.2	cps
Window 4	201.6	201.1	202.3	204.6	cps
Long Space	0.0	5134.6	1135.0	5566.6	cps
Short Space	1.1	994.2	674.4	1059.2	cps
Rho		1.7100	2.5960	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 45.6	Rib Slope	: 1.020	Density/Spine Ratio	: 0.569
Spine Angle	: 75.6	Spine Slope	: 3.888	Spine Intercept	: -18.3

Caliper

	Readings	Reference
Low Ref	3.8	8.6
High Ref	4.9	12.0
	Gain: 3.0	Offset: -2.9

Compensated Neutron Calibration Report

Serial Number: NUE_2I
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: GR5
Tool Model: OPEN
Performed: Sun Apr 22 06:58:16 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps