



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company DOWNING-NELSON OIL CO., INC.
Well BEFORT #1-12
Field RIDGE HILL
County ELLIS
State KANSAS

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Well BEFORT #1-12
Field RIDGE HILL
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Location: API # : 15-051-26132-0000

530' FSL & 1520' FWL

Other Services
DIL
MEL/SON

SEC 12 TWP 14S RGE 19W

Permanent Datum GROUND LEVEL Elevation 2170
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2178
D.F. 2176
G.L. 2170

Date 5/12/11

Run Number ONE

Depth Driller 3925

Depth Logger 3927

Bottom Logged Interval 3903

Top Log Interval 2950

Casing Driller 8 5/8" @ 220

Casing Logger 220

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.1/58

pH / Fluid Loss 9.5/8.8

Source of Sample FLOWLINE

Rim @ Meas. Temp .56 @ 76F

Rmf @ Meas. Temp .42 @ 76F

Rmc @ Meas. Temp .67 @ 76F

Source of Rmf / Rmc MEASURED

Rim @ BHT .36 @ 116F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 116F

Equipment Number 680

Location HAYS, KS.

Recorded By JASON CAPPELLUCCI

Witnessed By AL DOWNING

RON NELSON

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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
HAYS KS. - TO GOLF COURSE RD. - W. TO RD 210 - 1 S - 1/2 E. - N. INTO

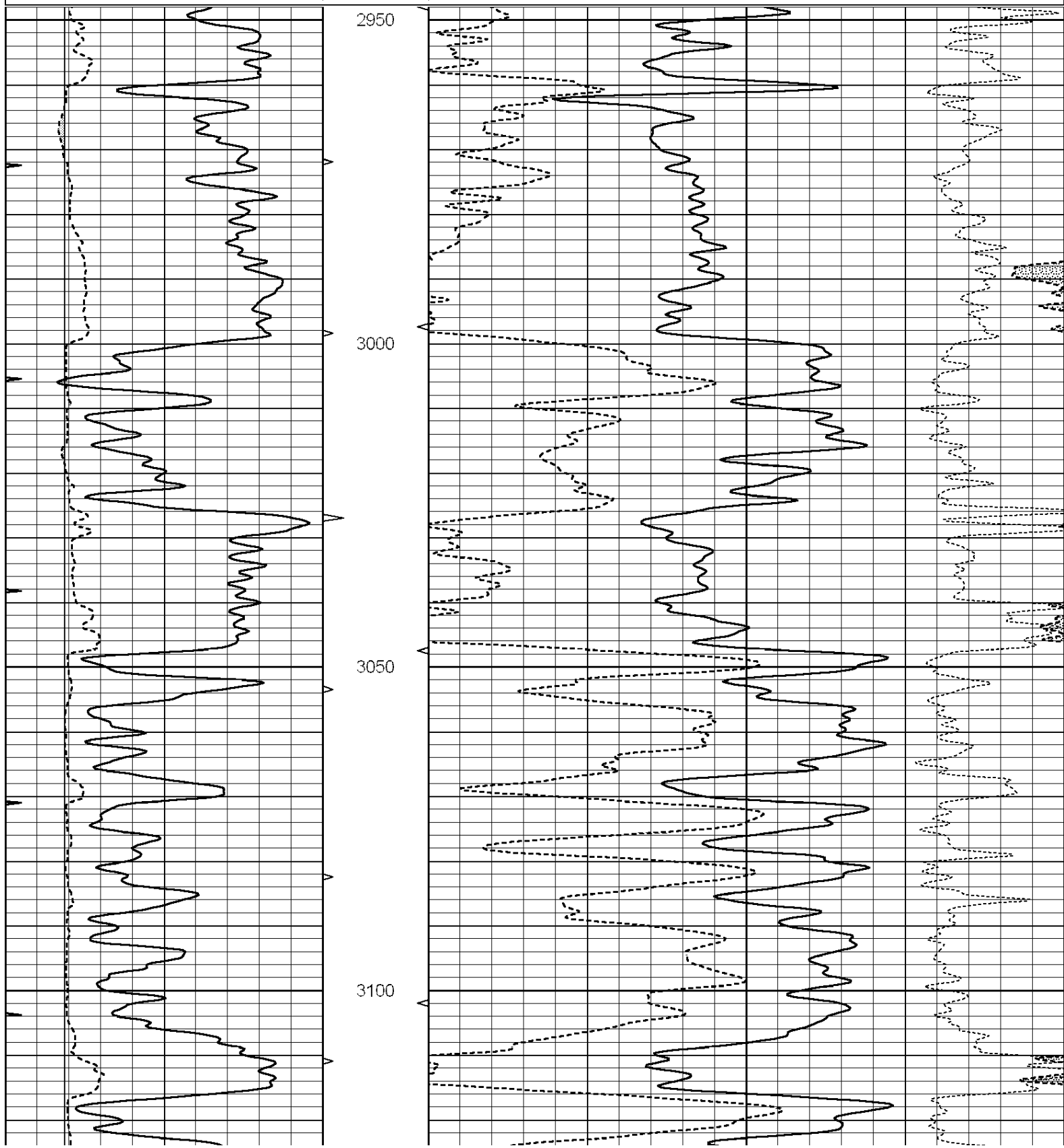


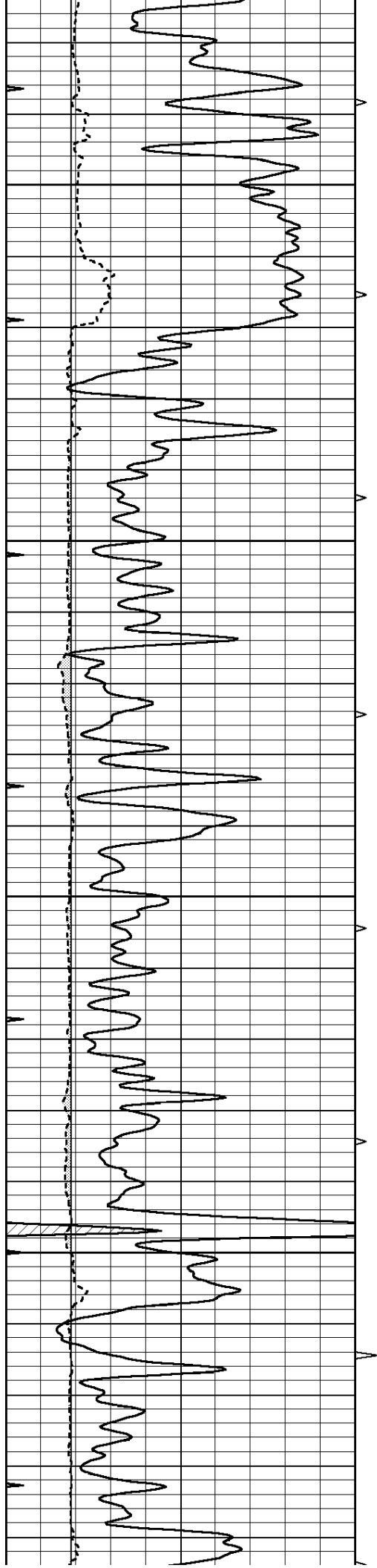
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MAIN SECTION

Database File: 007061ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _den_neu
 Dataset Creation: Thu May 12 20:00:53 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		



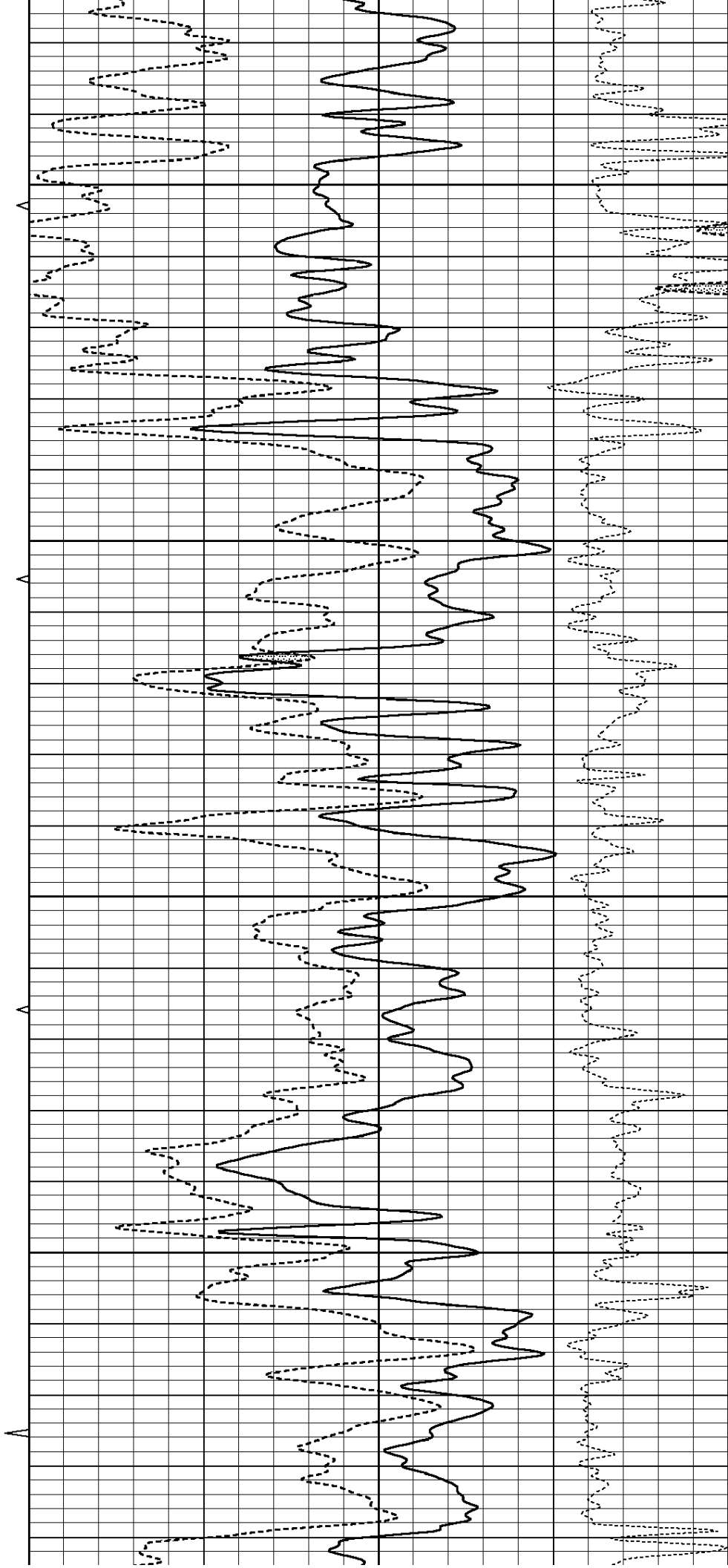


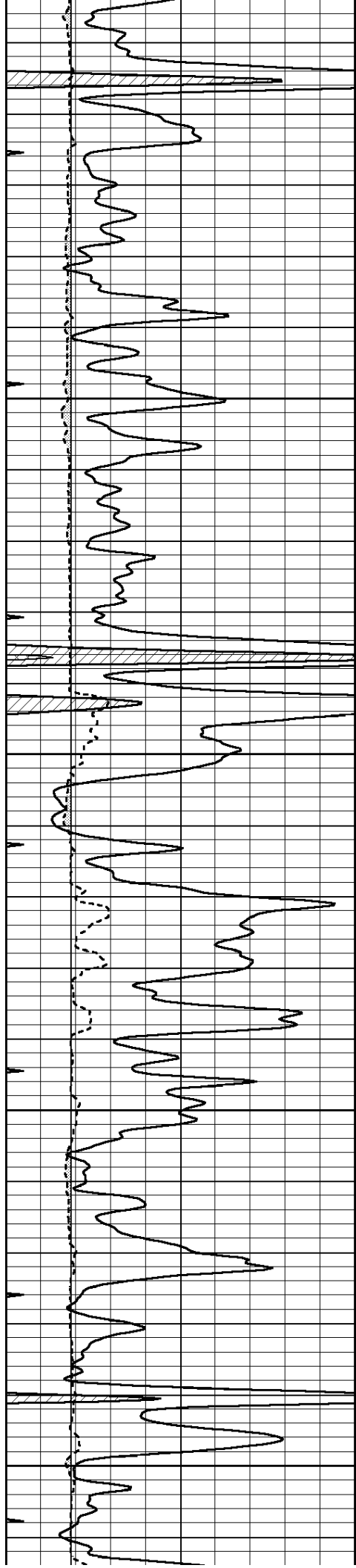
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3200

3250

3300





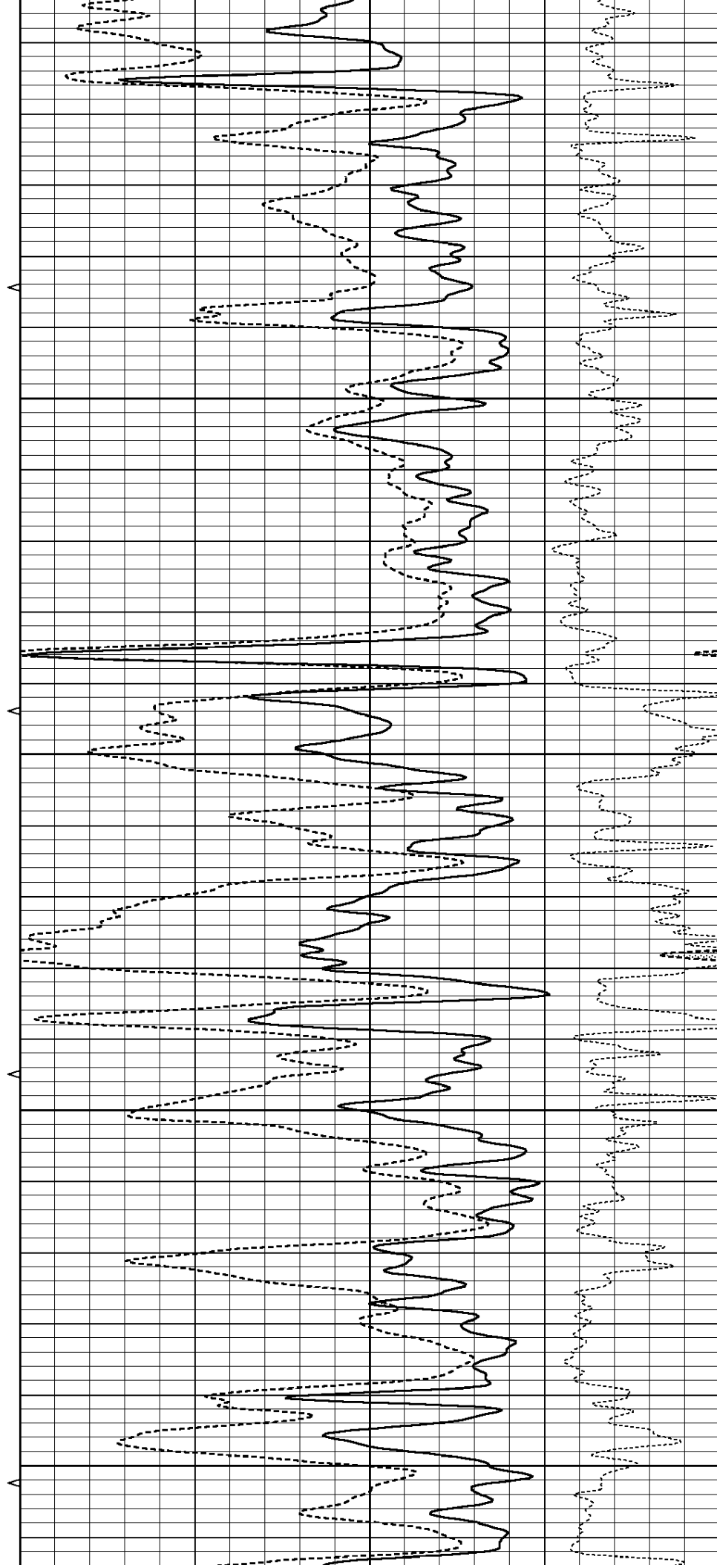
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3400

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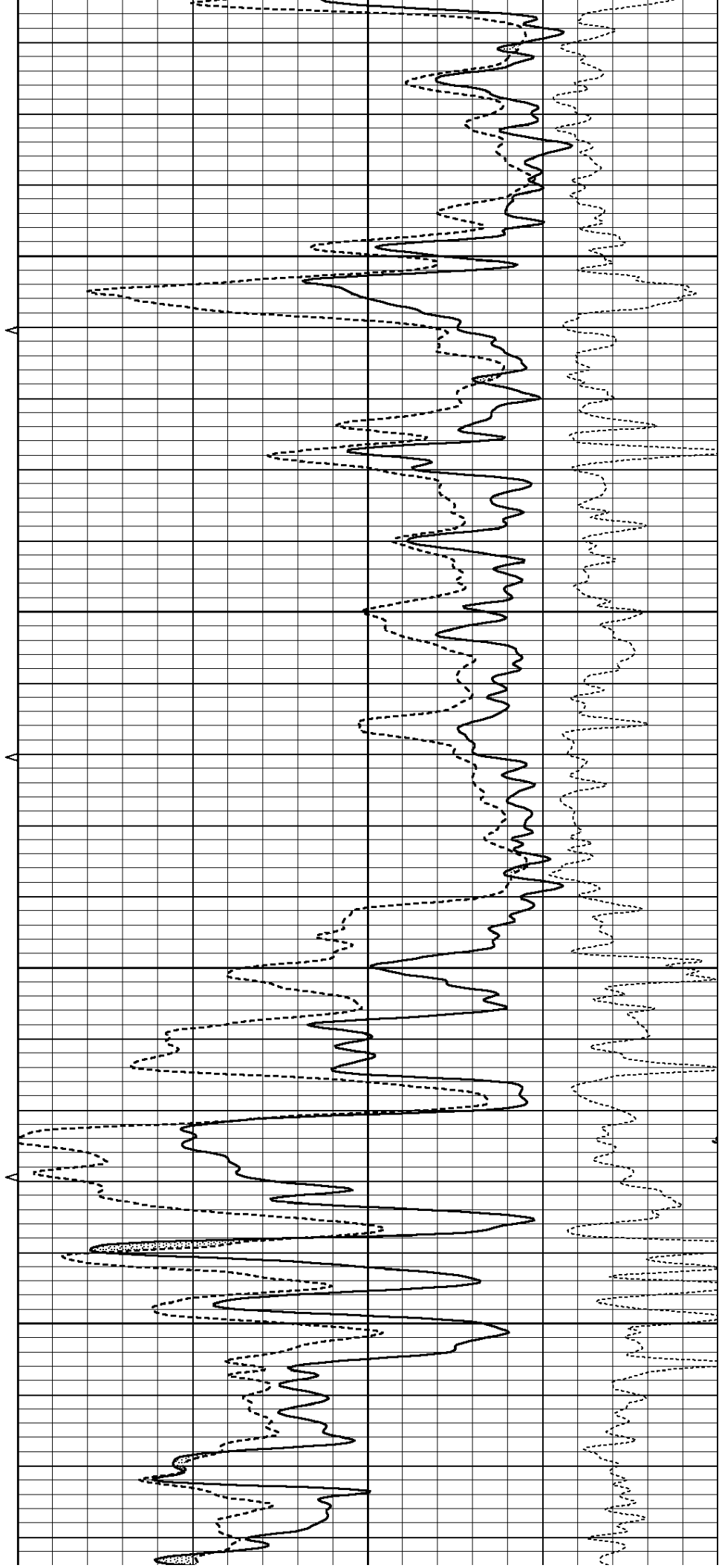
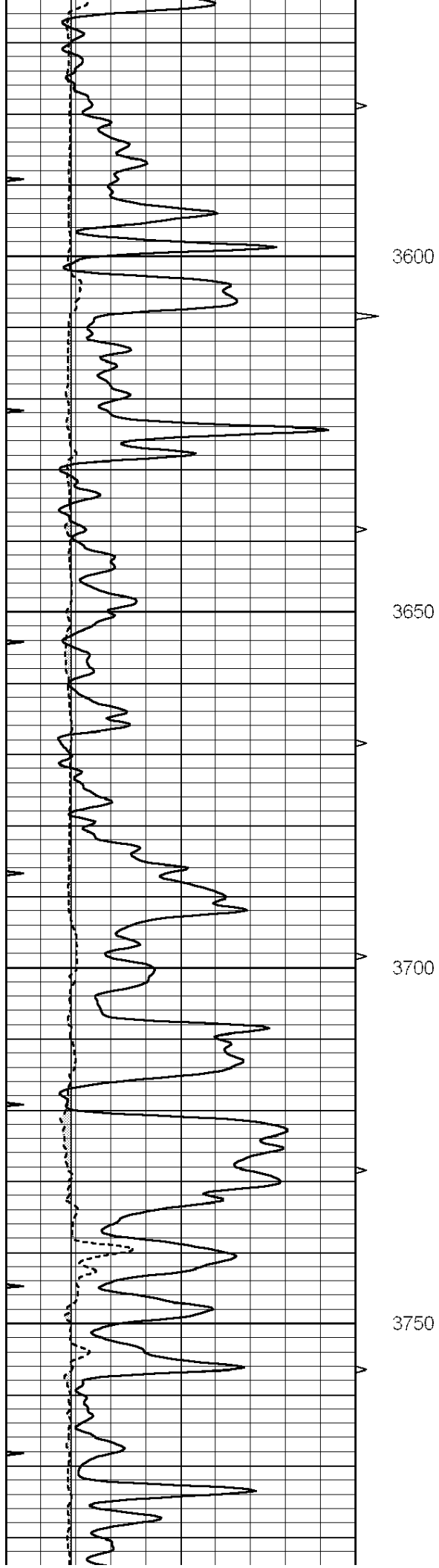
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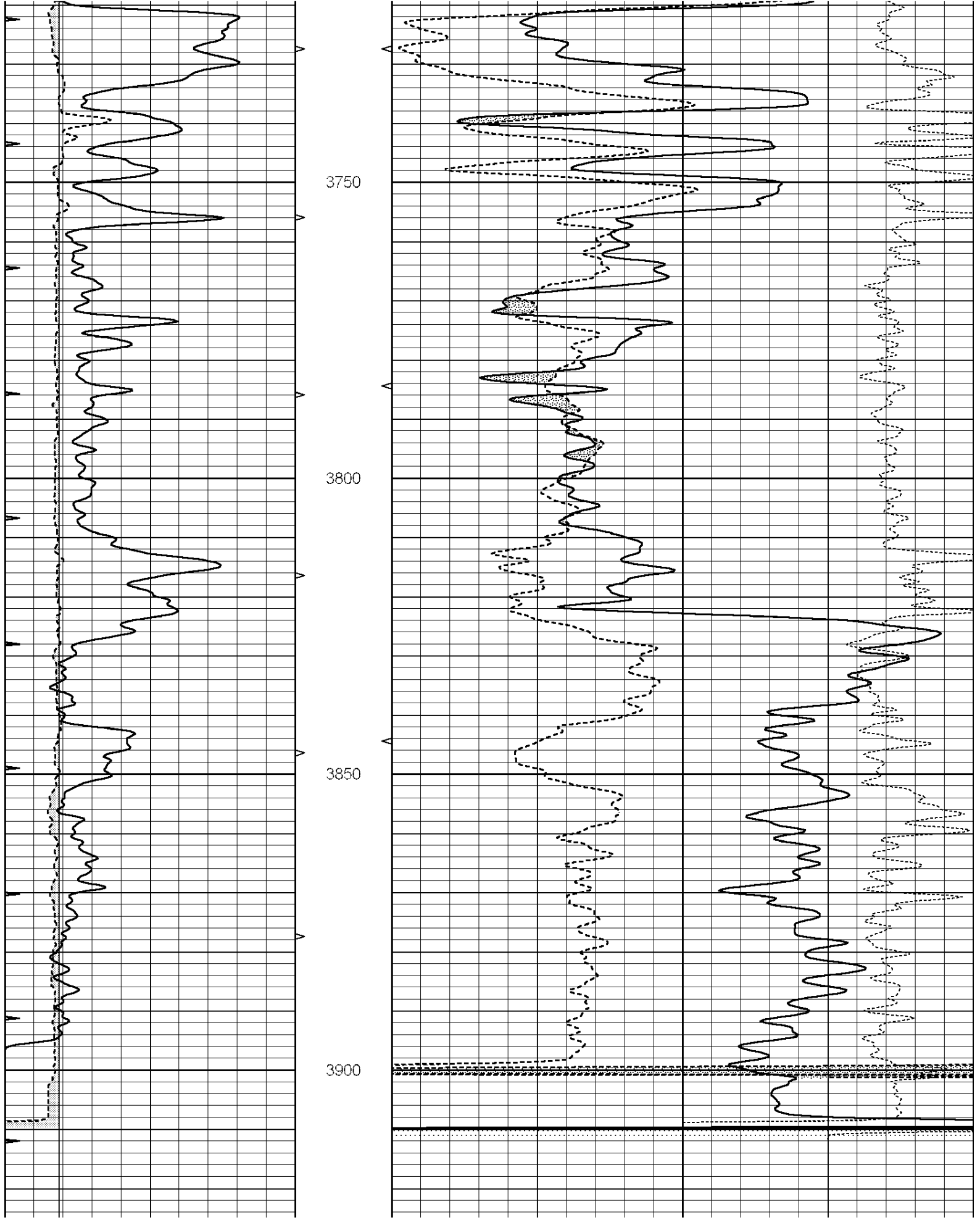
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Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1015.91	497.51	cps
Aluminum	2.600	g/cc	227.67	350.20	cps

Aluminum	2.000	g/cc	227.07	555.20	cps
Spine Angle = 76.79			Density/Spine Ratio = 0.579		
	Size		Reading		
Small Ring	8.00	in	2.50	V	
Large Ring	14.00	in	4.70	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:		Sun Apr 10 22:50:36 2011			
Calibrator Value:		150.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		175.0	cps		
Sensitivity:		0.8971	GAPI/cps		