



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	RED OAK ENERGY, INC.	Company	RED OAK ENERGY, INC.
Well	SEIB #1-27	Well	SEIB #1-27
Field		Field	
County	NESS	County	NESS
State	KANSAS	State	KANSAS
Location:	API # : 15-135-25214-0000	Other Services	CDL/CNL
	550' FNL & 390 FEL		
	SEC 27 TWP 20S RGE 21W		
Permanent Datum	GROUND LEVEL	Elevation	2212
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B. 2222	
Drilling Measured From	KELLY BUSHING	D.F. 2220	
		G.L. 2212	
Date	3-8-11		
Run Number	ONE		
Depth Driller	4404		
Depth Logger	4408		
Bottom Logged Interval	4406		
Top Log Interval	00		
Casing Driller	8 5/8" @ 225		
Casing Logger	218		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8000 PPM	
Density / Viscosity	9.6/47		
pH / Fluid Loss	8.5/10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.2 @ 41F		
Rmf @ Meas. Temp	.90 @ 41F		
Rmc @ Meas. Temp	1.4 @ 41F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.41 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	119F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KEVIN DAVIS	SEAN DEENIHAN	

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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
BAZINE KS. - E. TO RD. HH - 12 S. - W. INTO



SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 006783ddn.db
Dataset Pathname: pass3.2
Presentation Format: dil2
Dataset Creation: Tue Mar 08 17:03:06 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 150
-100 SP (mV) 100

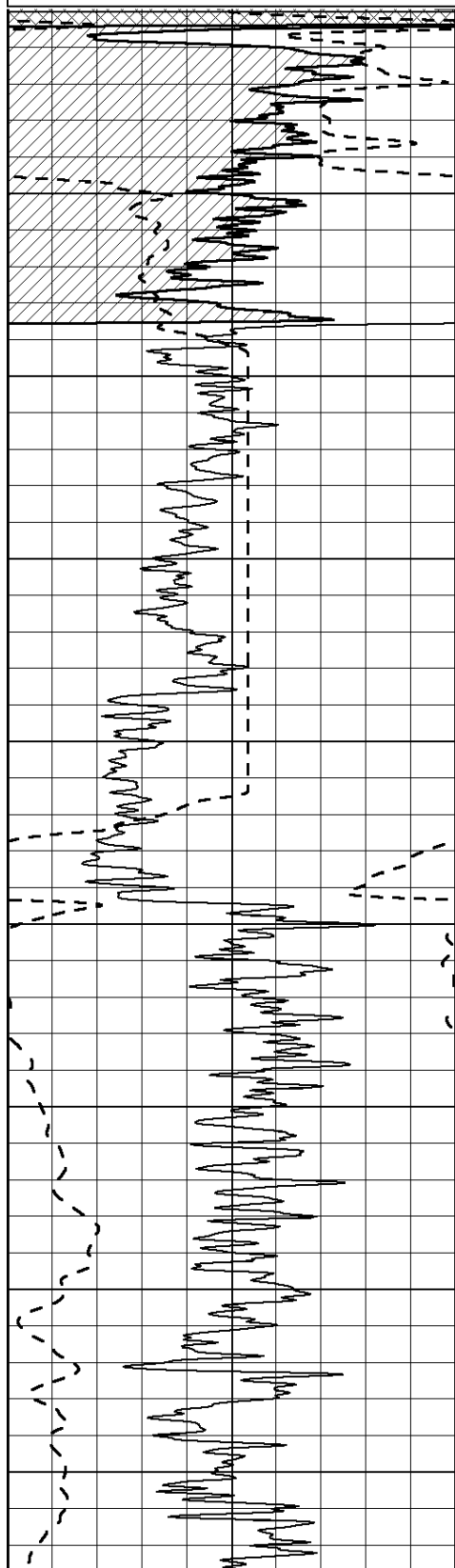
0 RLL3 (Ohm-m) 50

0 Deep Induction (Ohm-m) 50

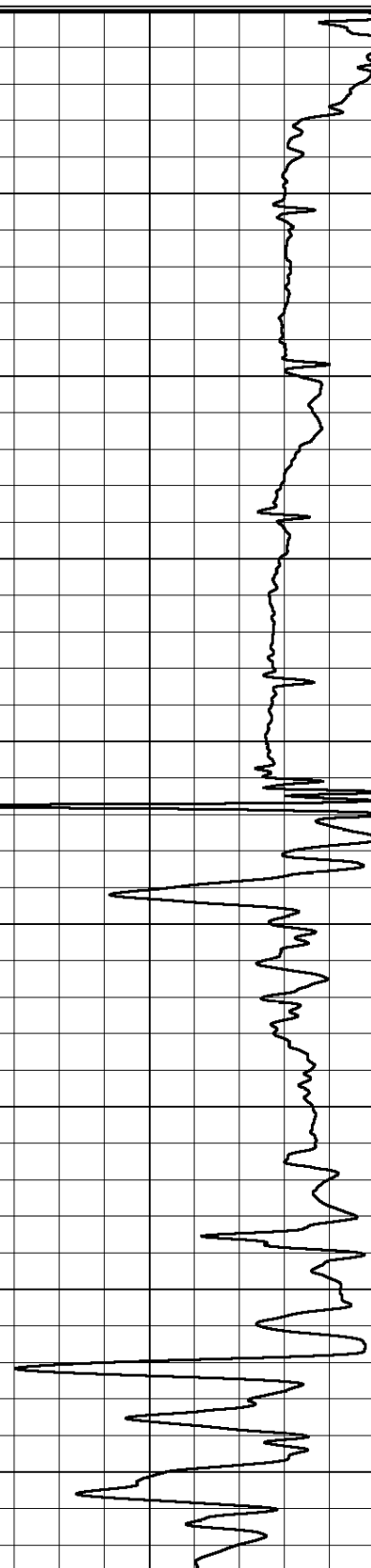
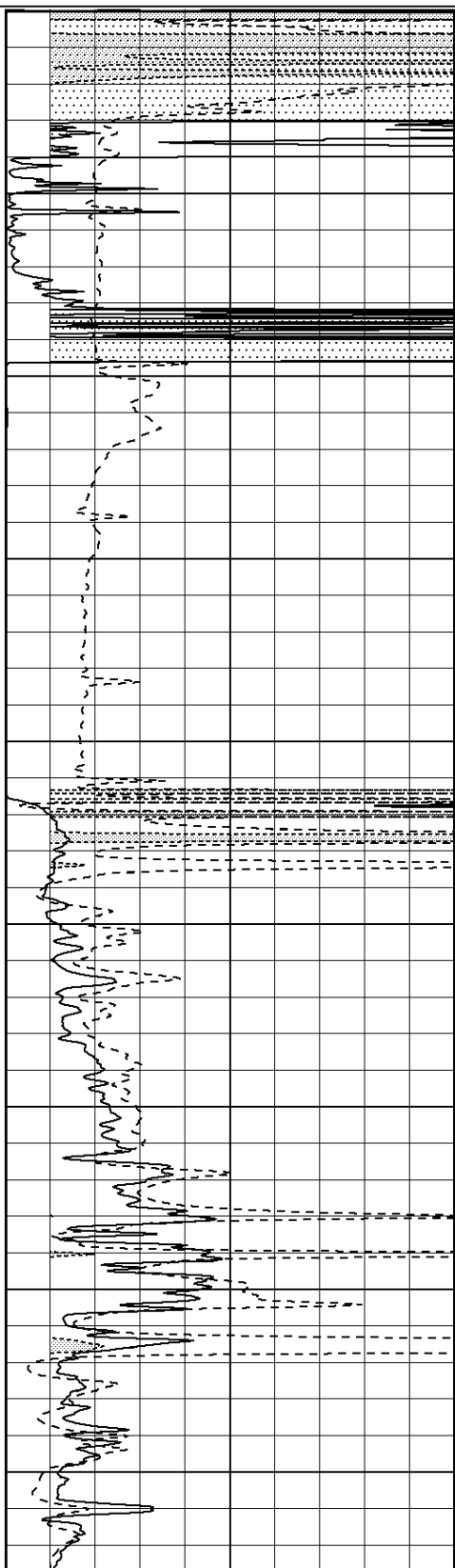
1000 CILD (mmho/m) 0

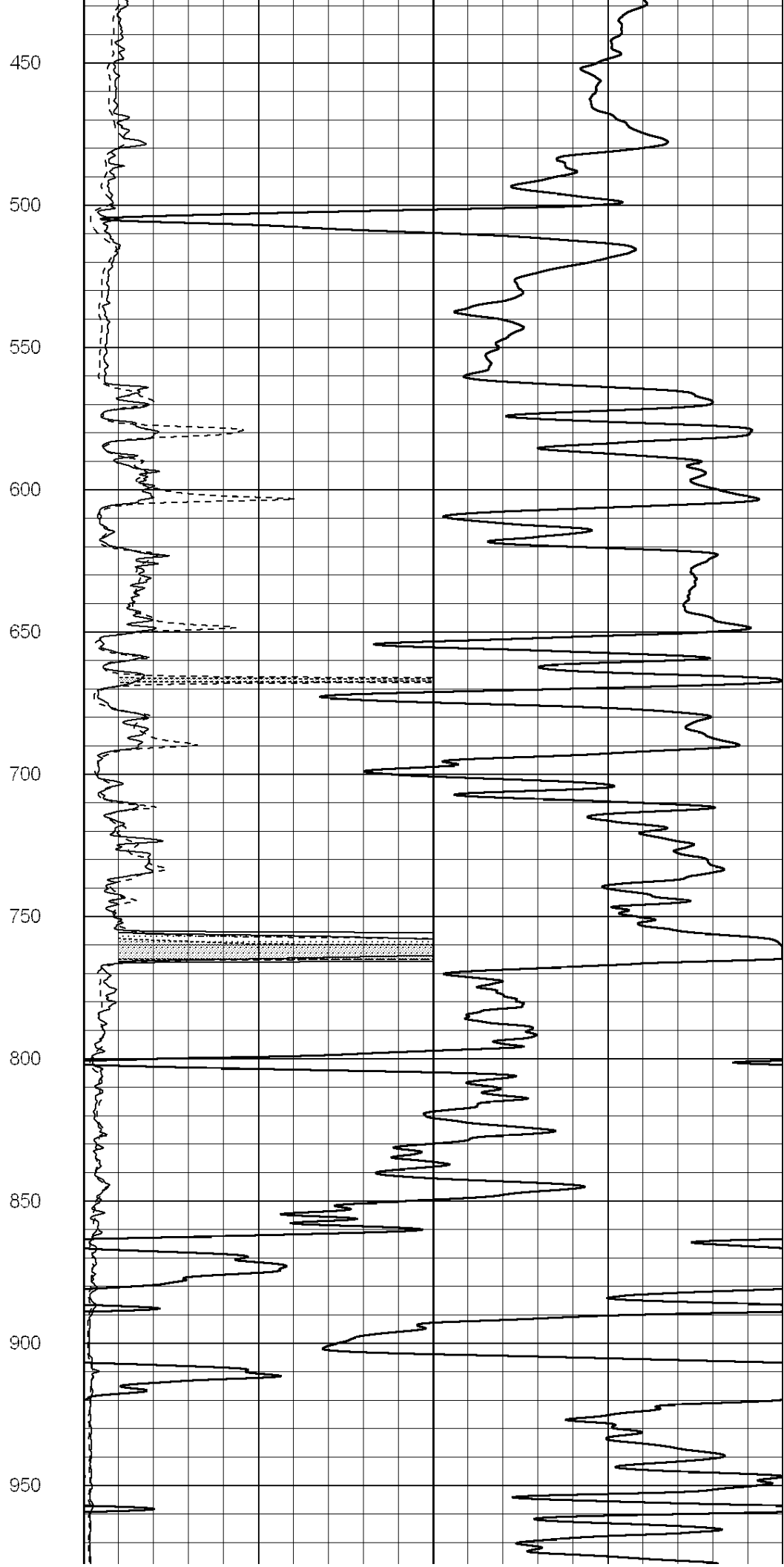
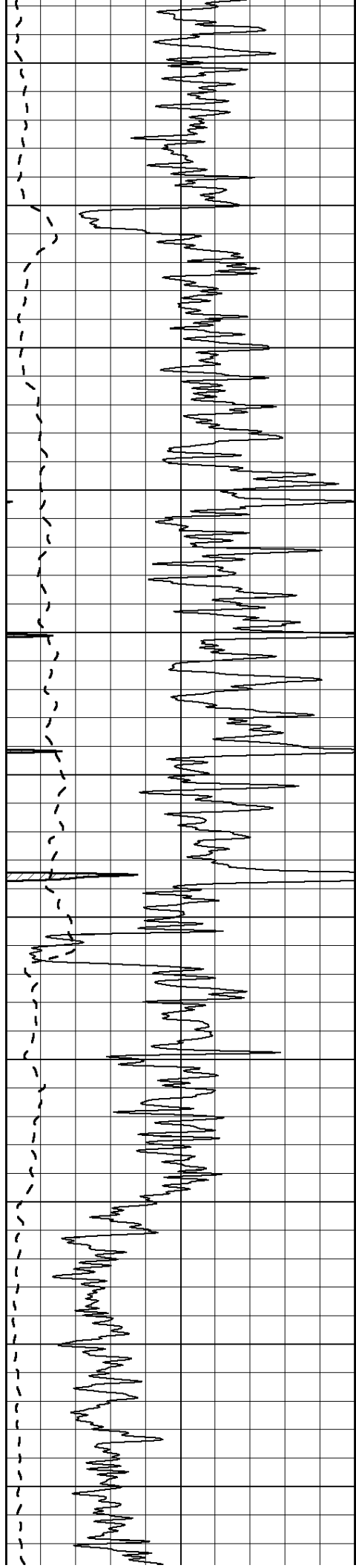
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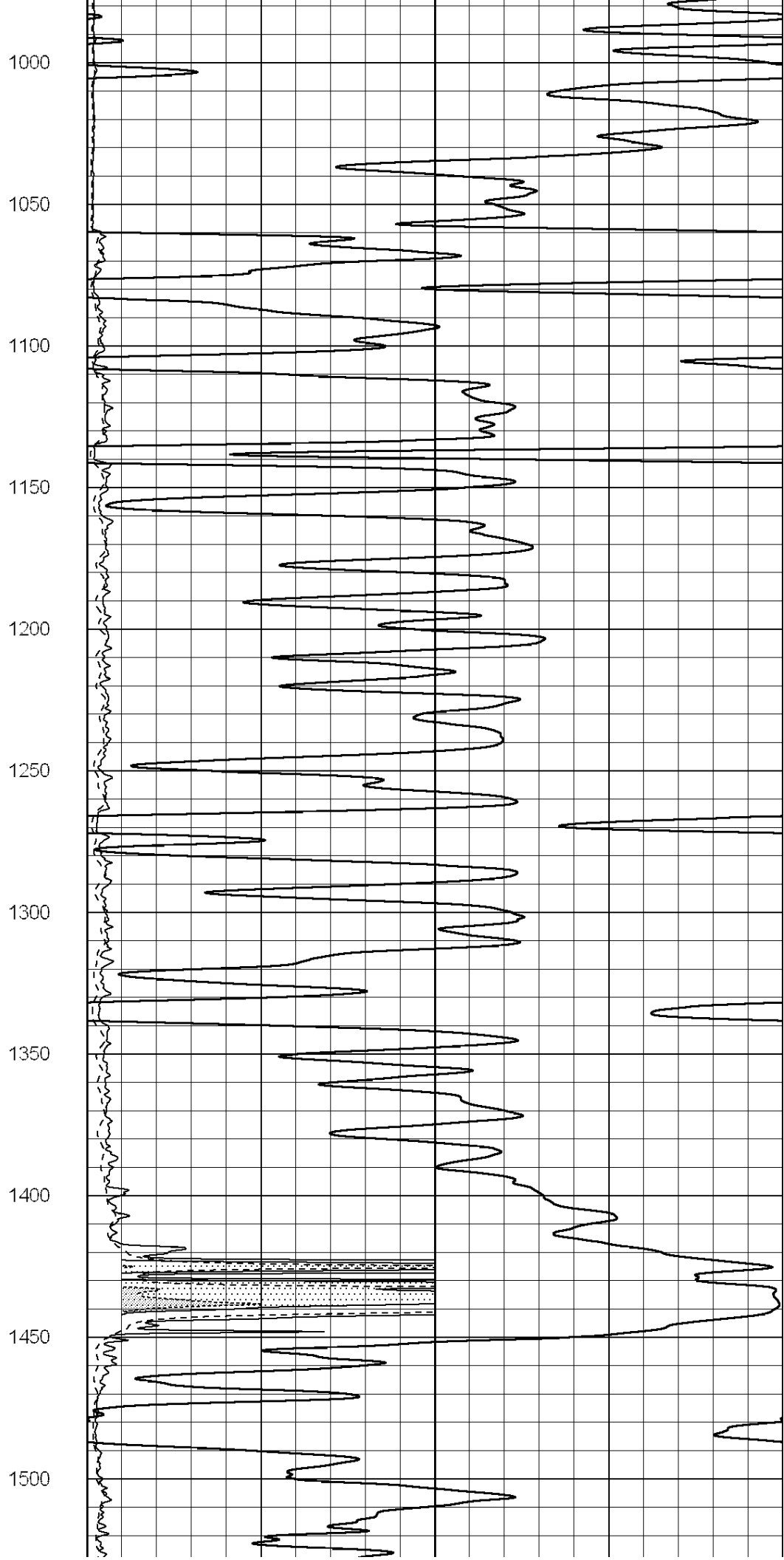
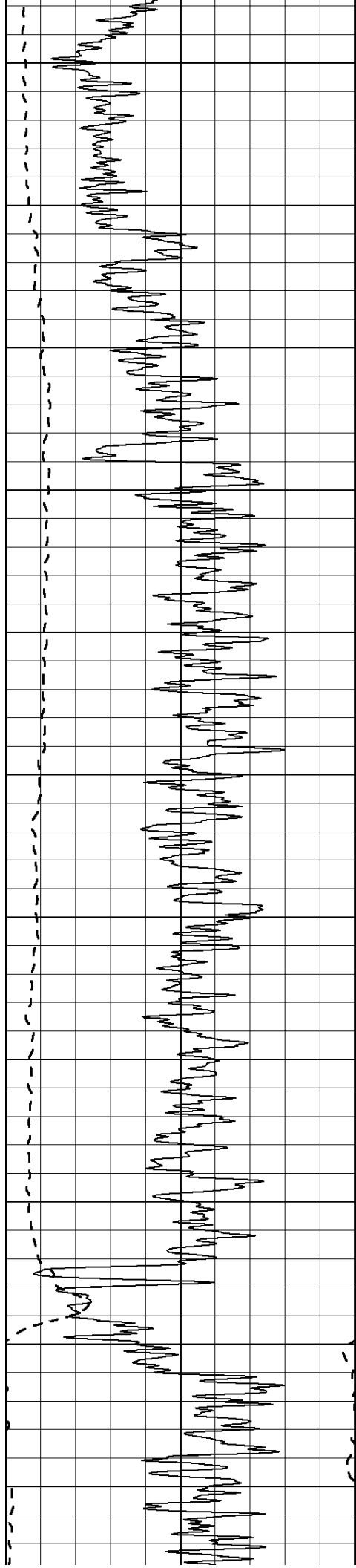
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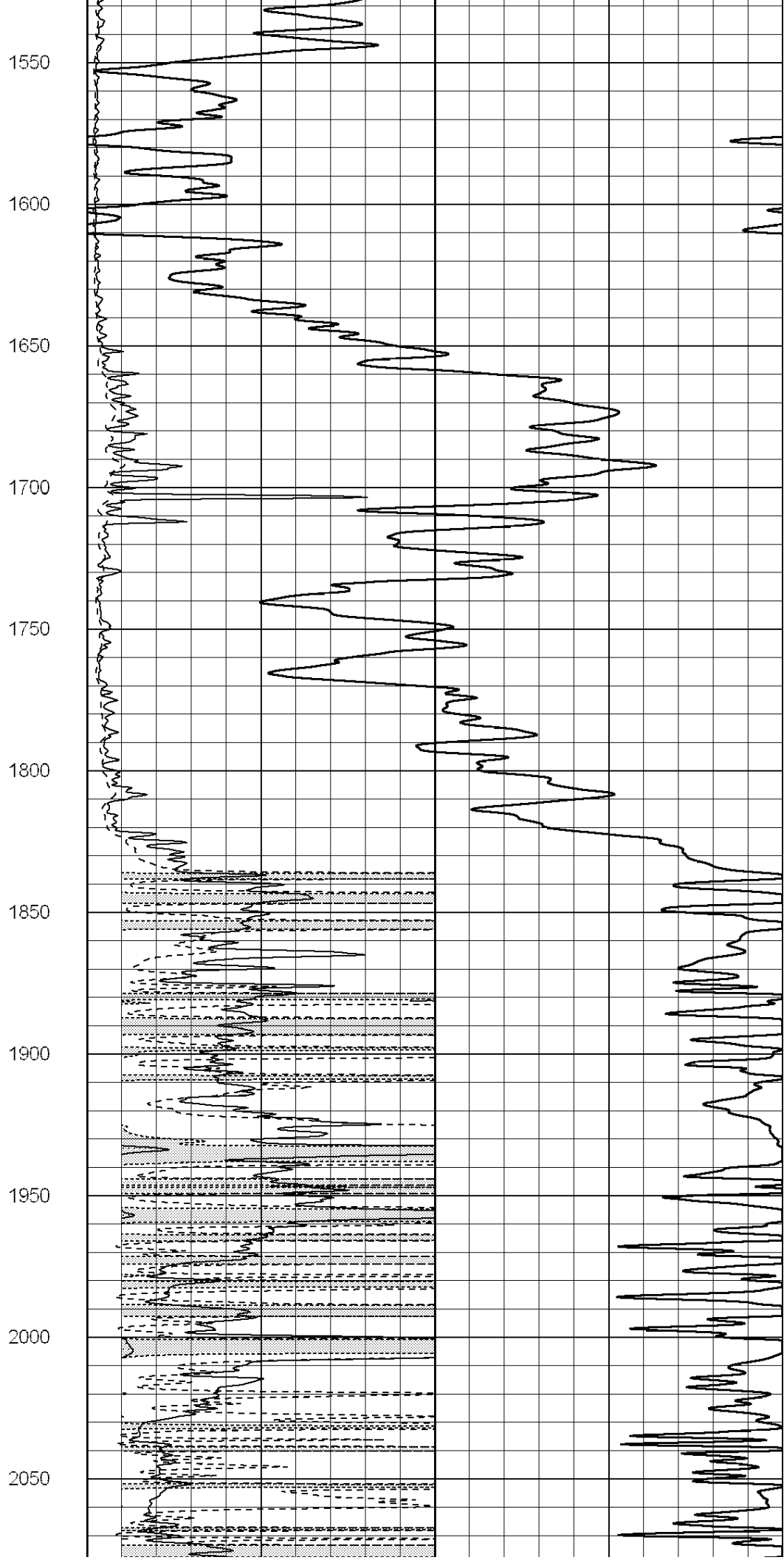
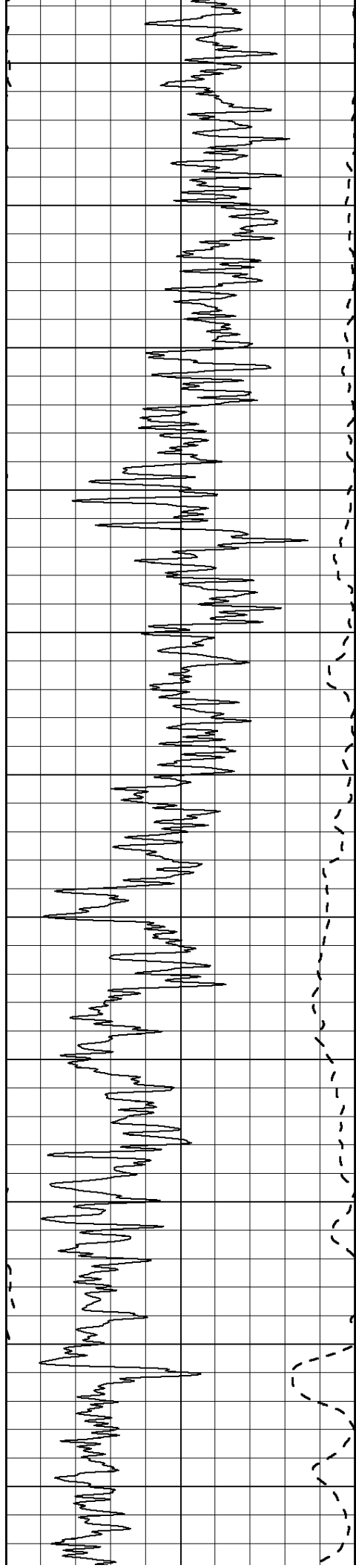


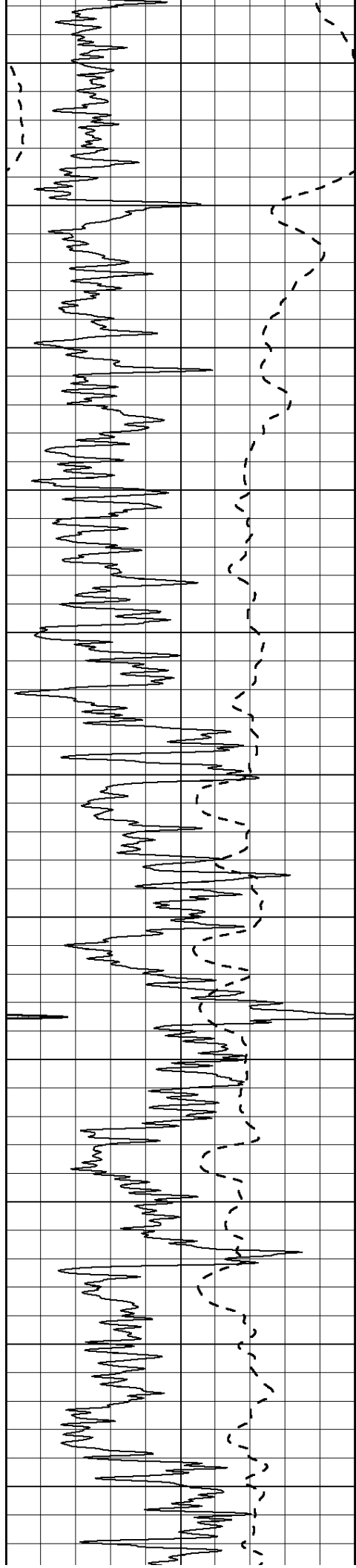
0
50
100
150
200
250
300
350
400











2100

2150

2200

2250

2300

2350

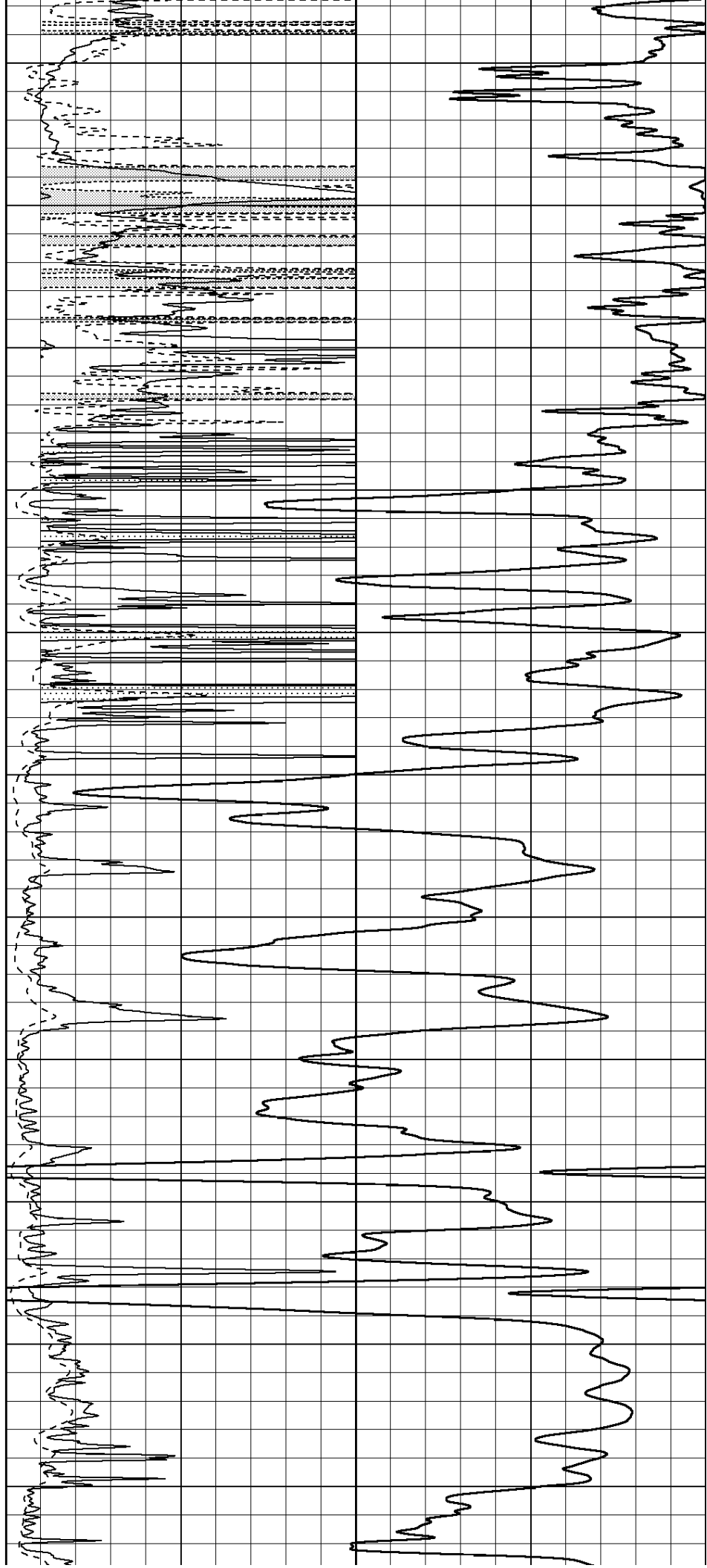
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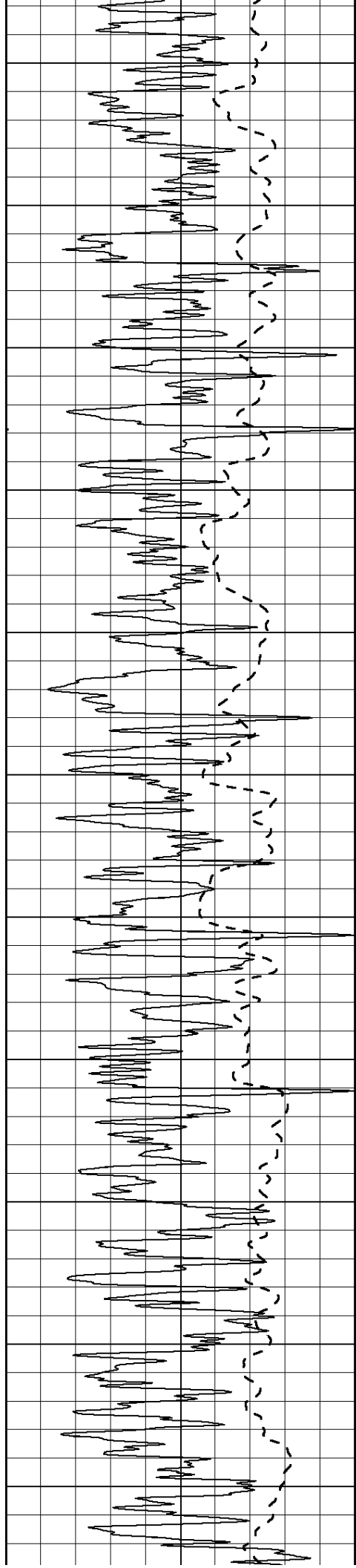
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2500

2550

2600





2650

2700

2750

2800

2850

2900

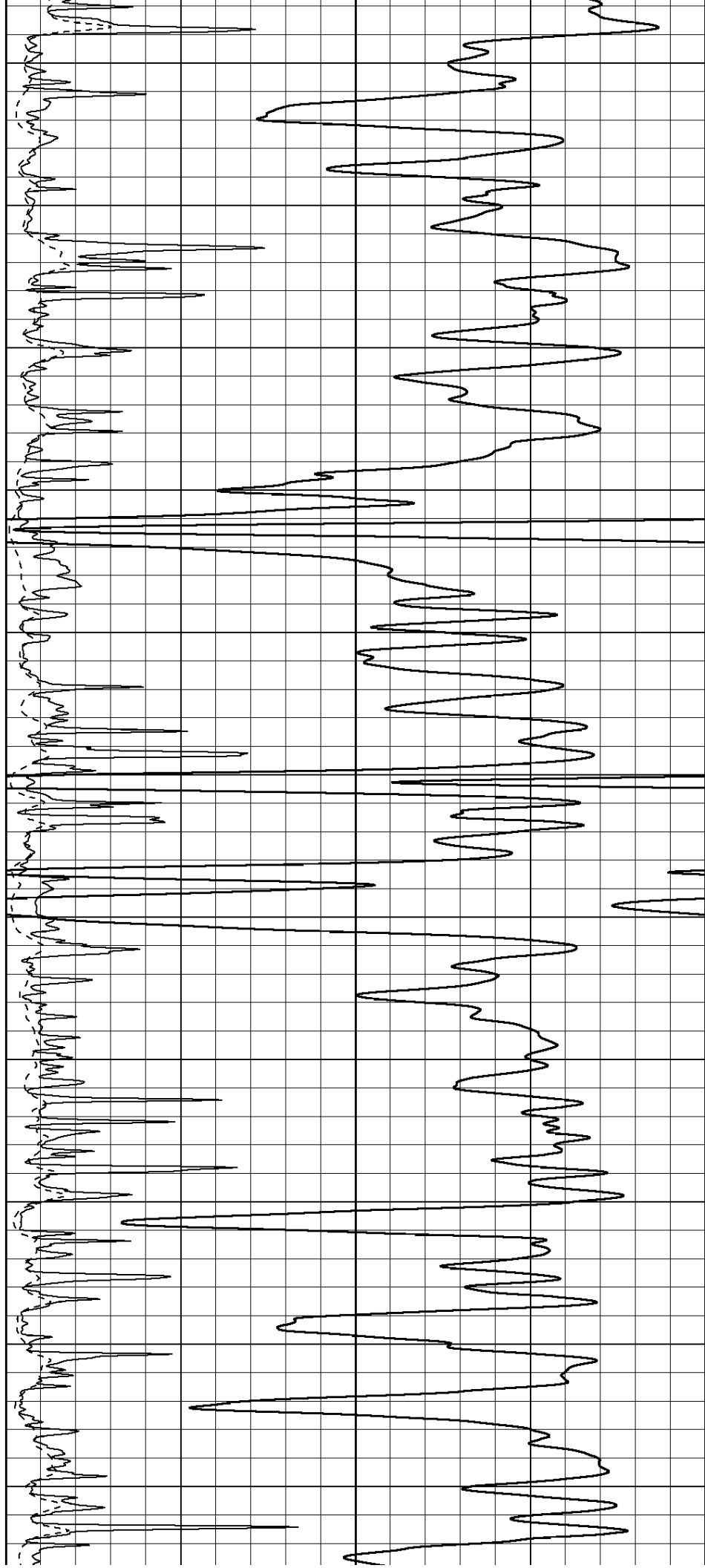
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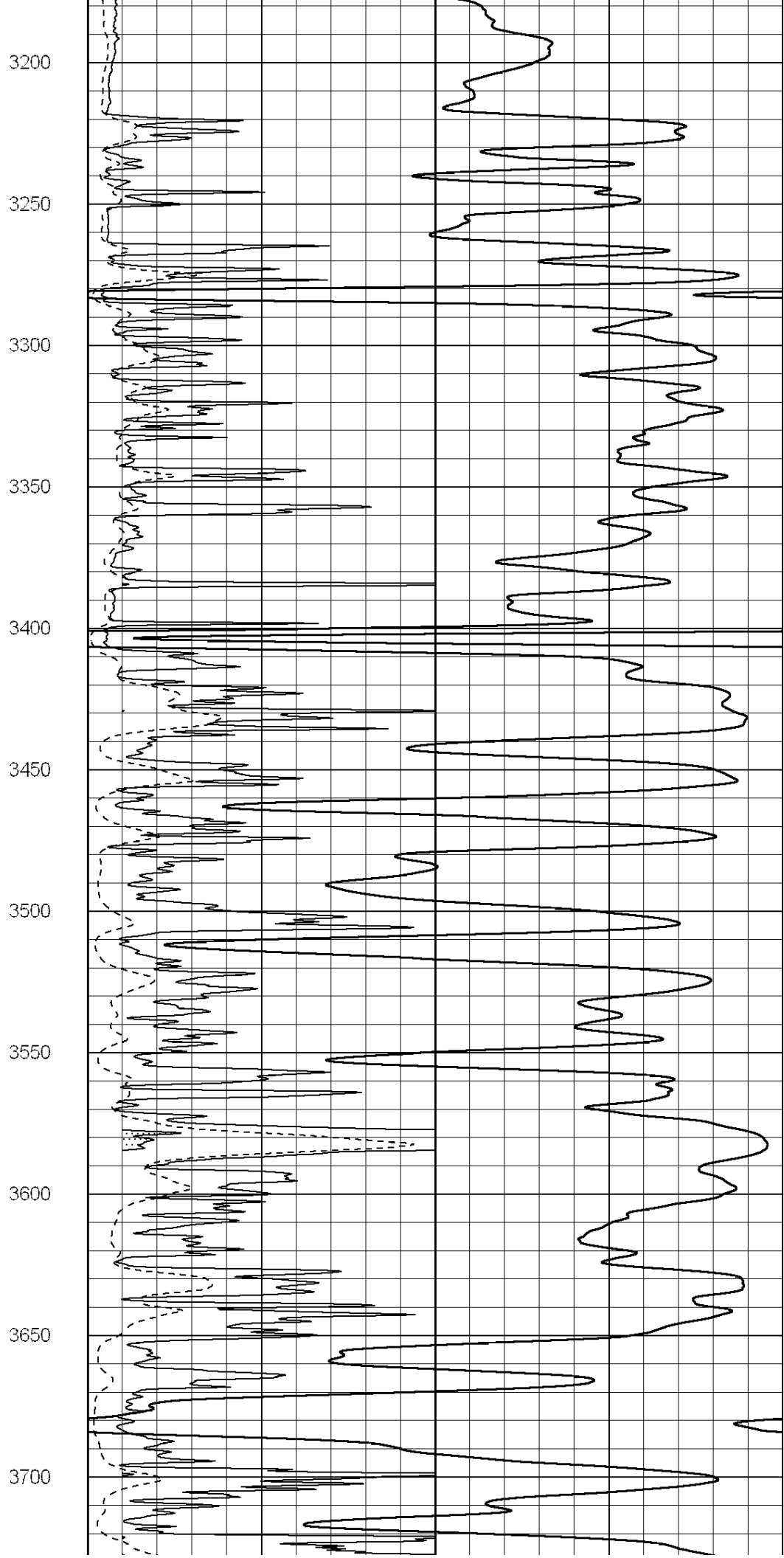
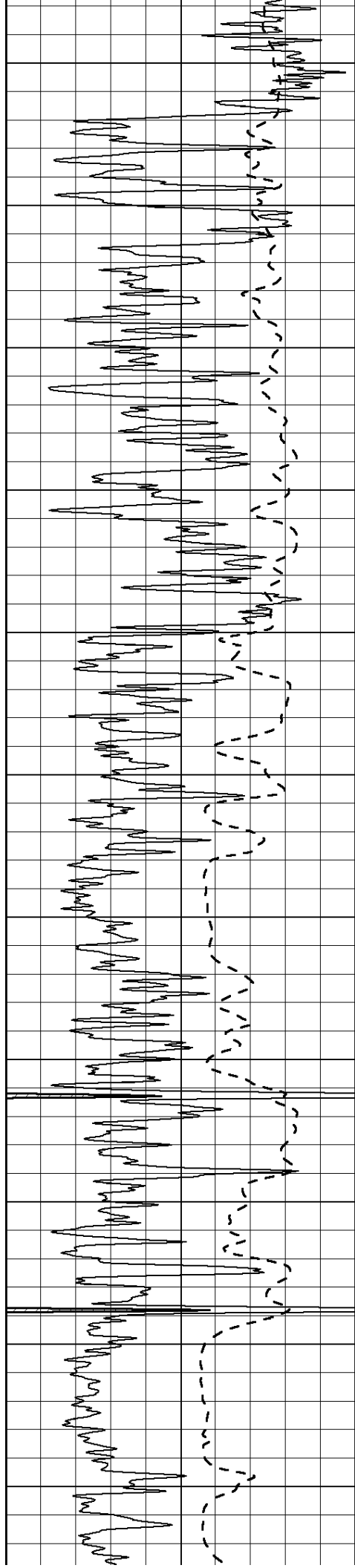
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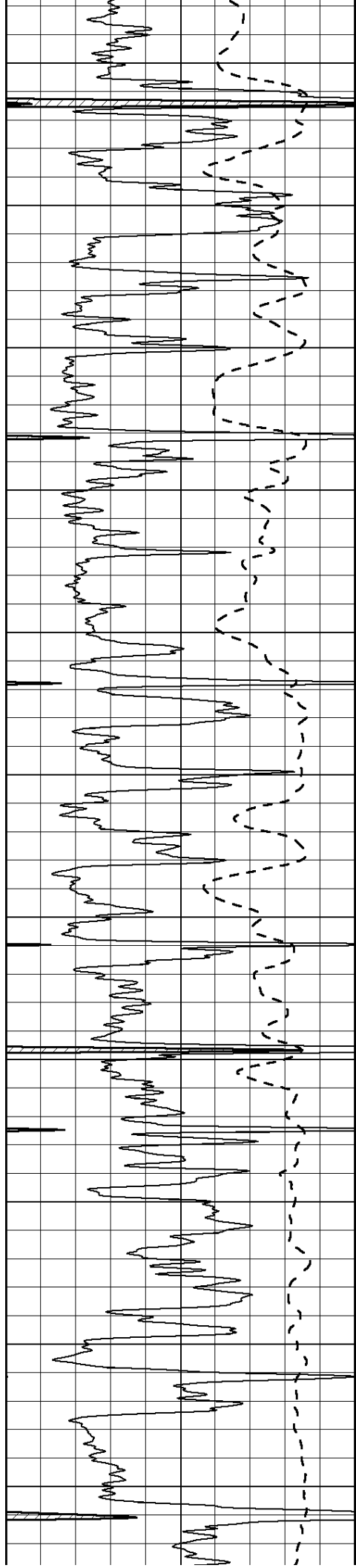
3050

3100

3150







3750

3800

3850

3900

3950

4000

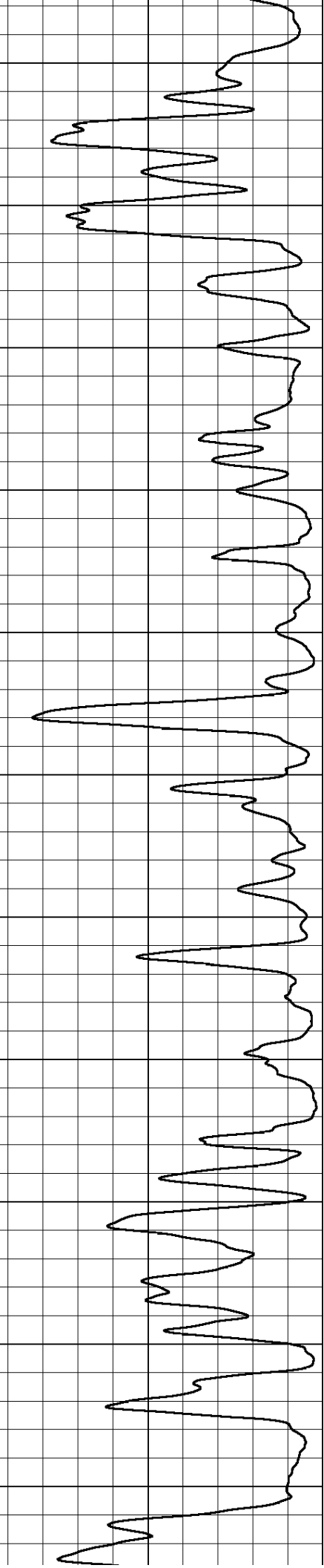
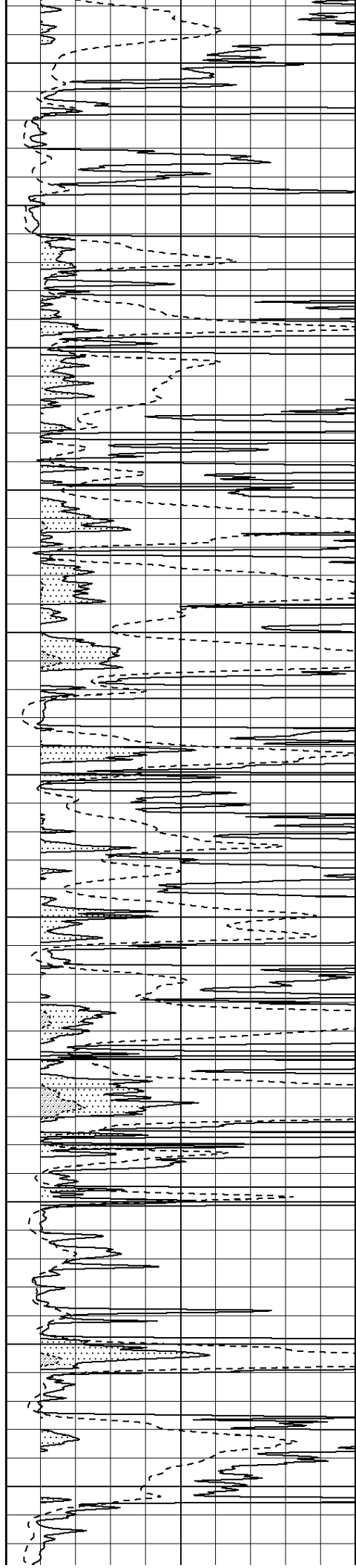
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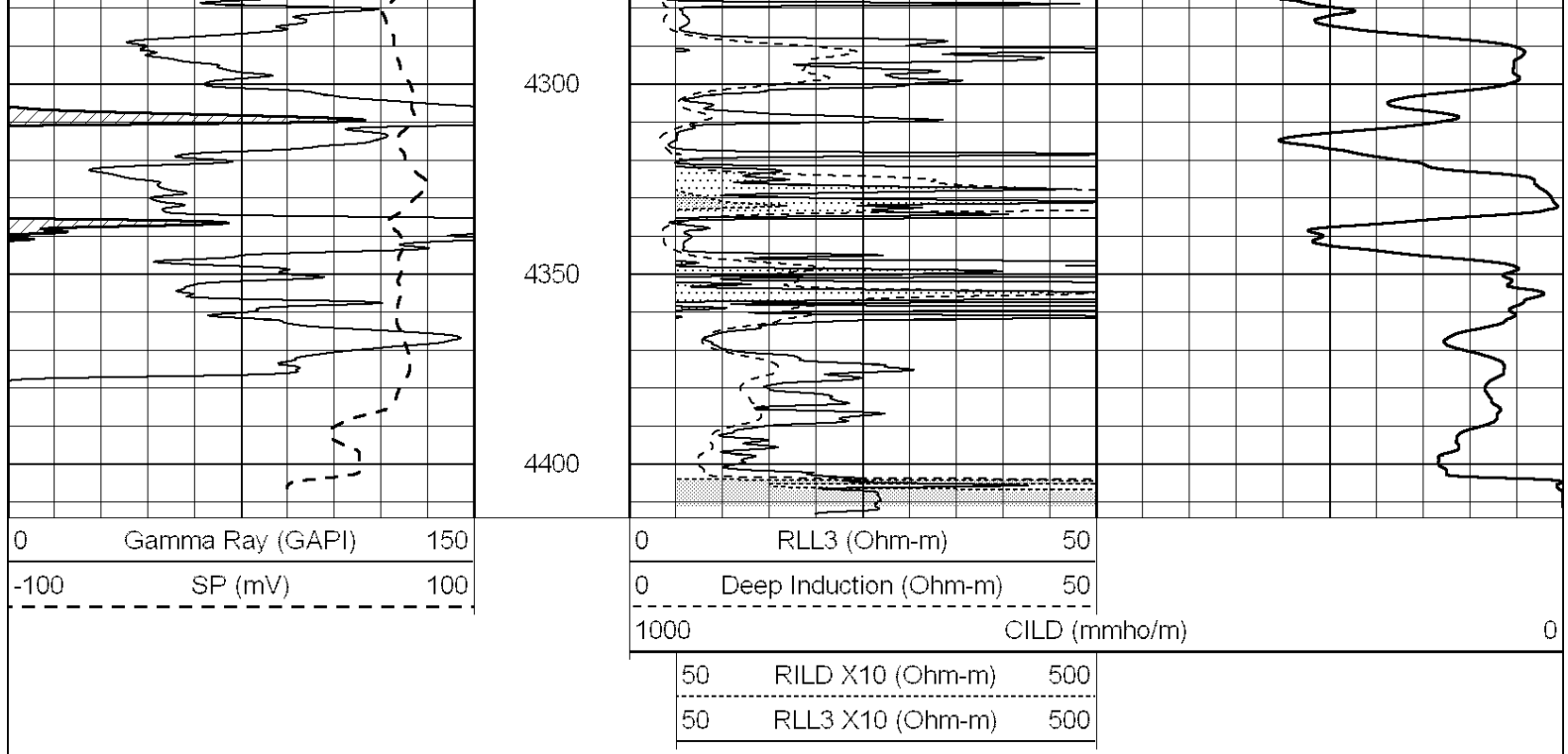
4100

4150

4200

4250



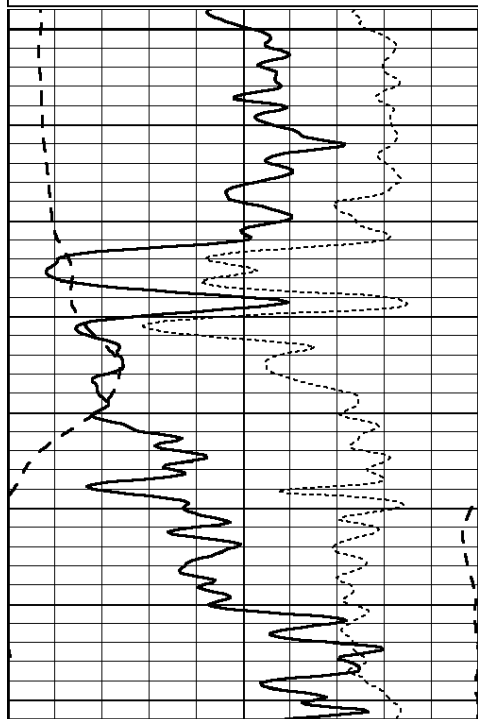


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ANHYDRITE

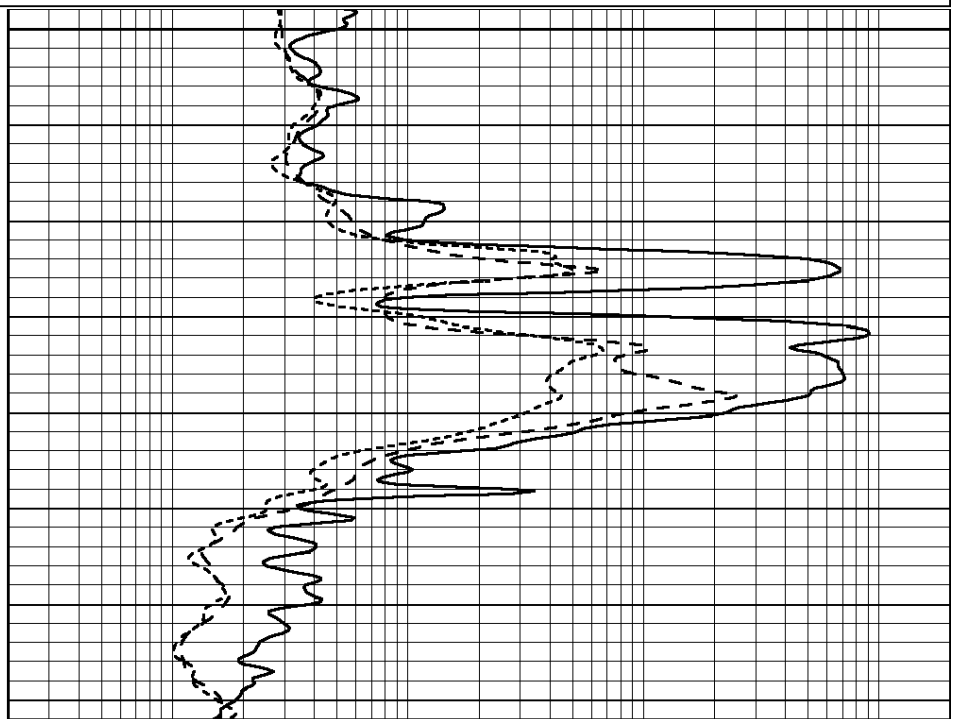
Database File: 006783ddn.db
Dataset Pathname: pass3.3
Presentation Format: _dil
Dataset Creation: Tue Mar 08 16:19:06 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

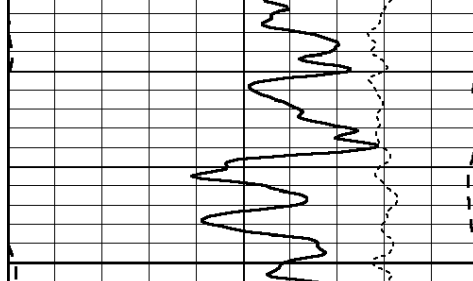
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000



1400

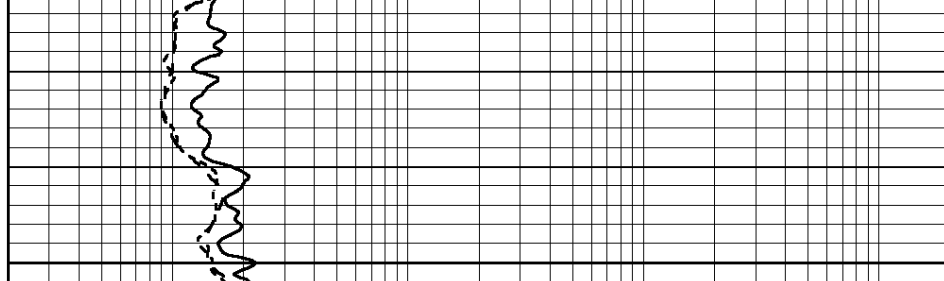
1450





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

1500



0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



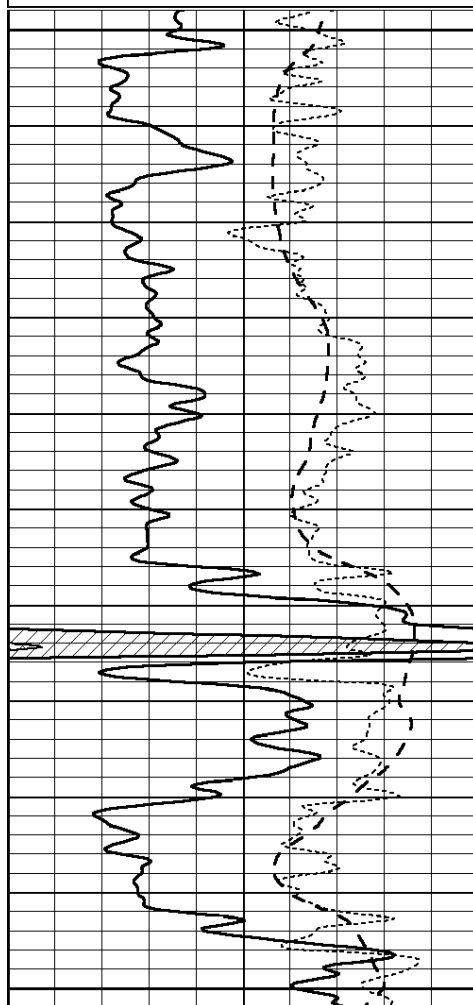
SUPERIOR
WELL SERVICES
**Hays,
Kansas**

MAIN SECTION

Database File: 006783ddn.db
Dataset Pathname: pass5.2
Presentation Format: _dil
Dataset Creation: Tue Mar 08 18:37:35 2011
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

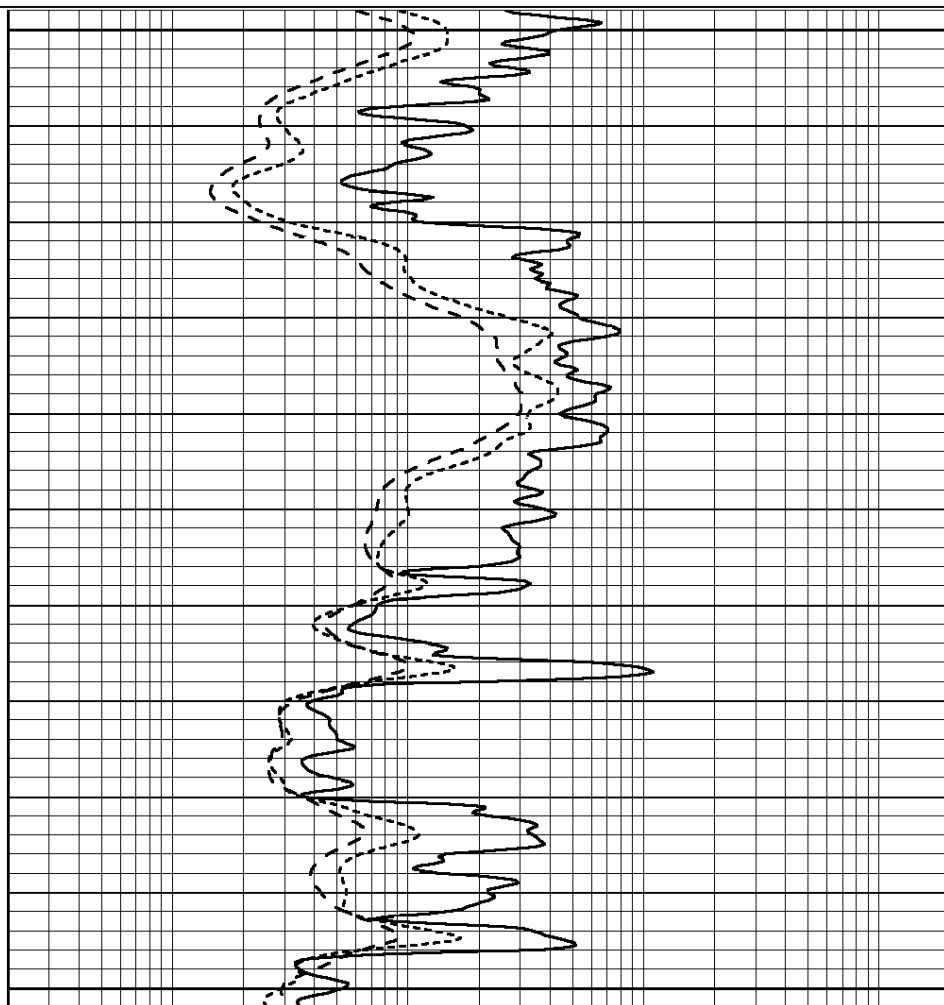
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

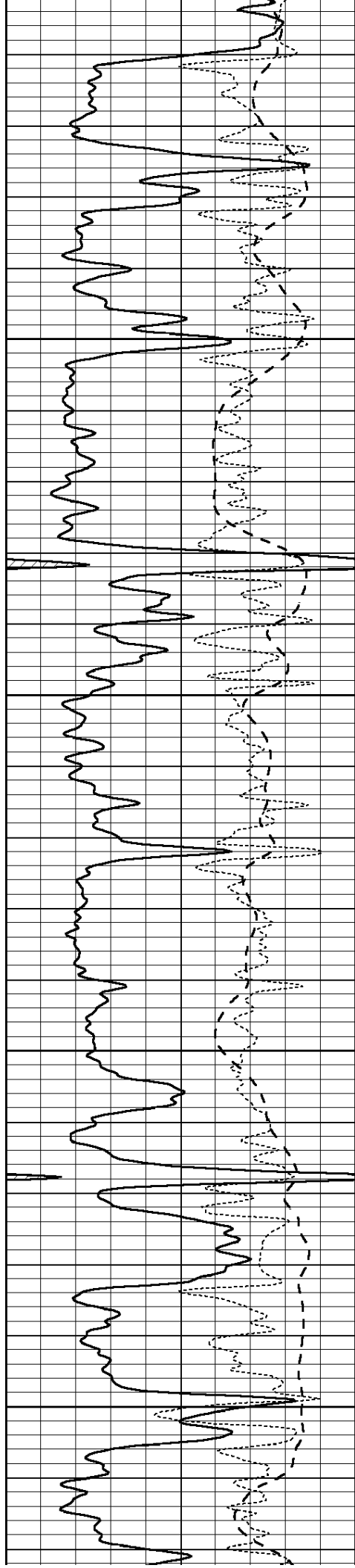


3700

3750

3800



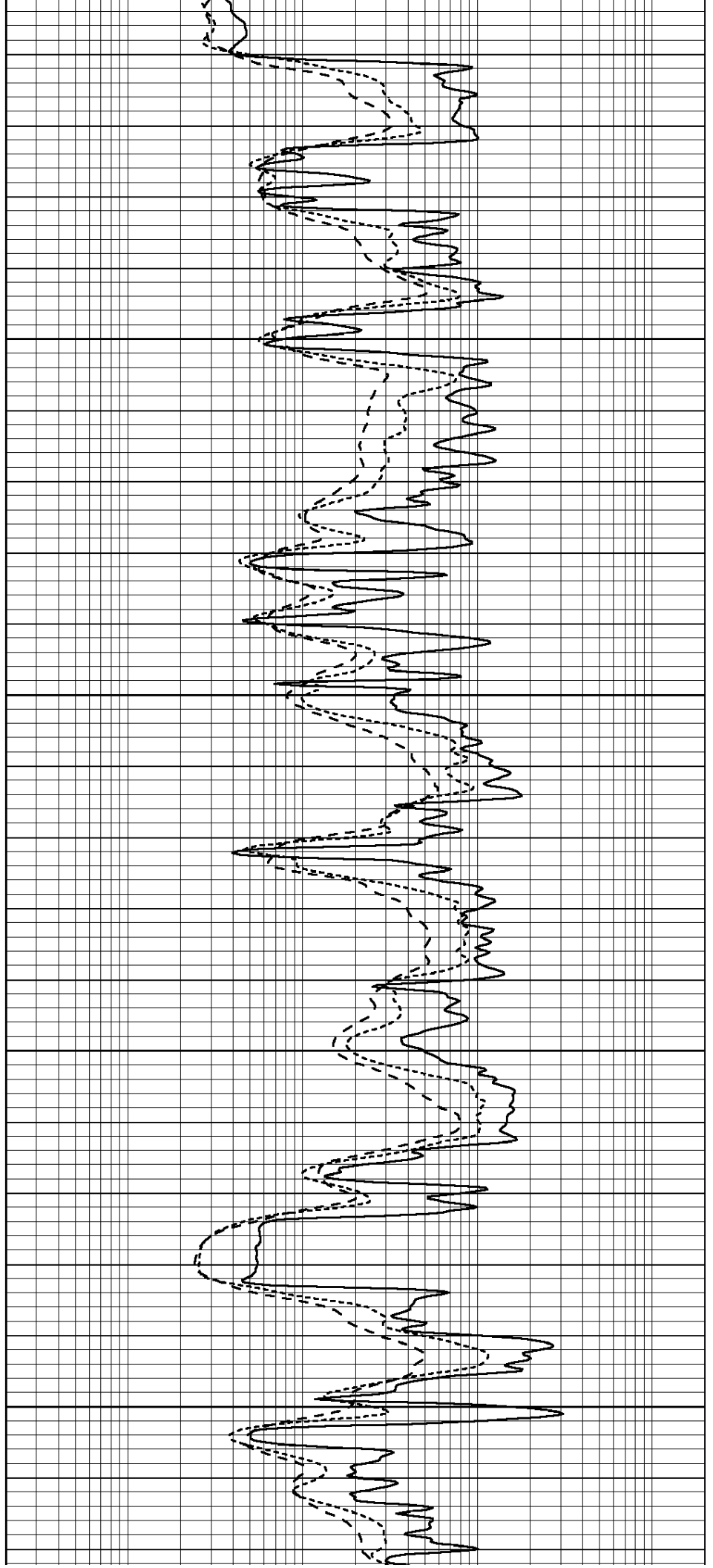


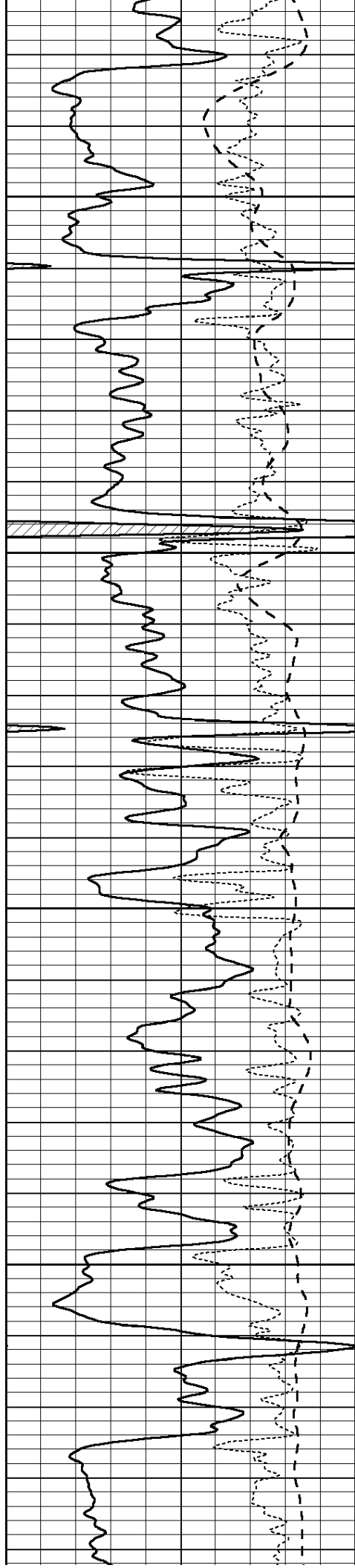
3850

3900

3950

4000



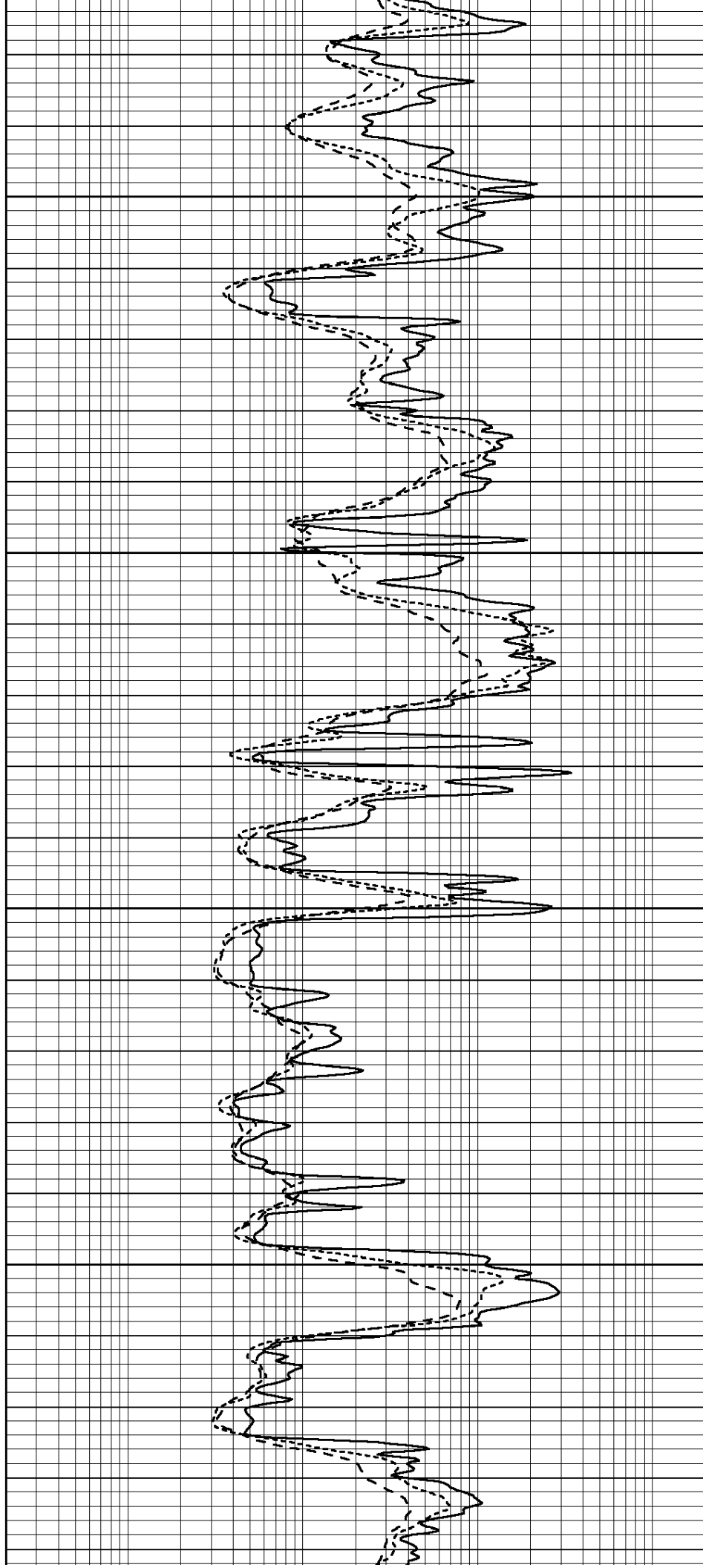


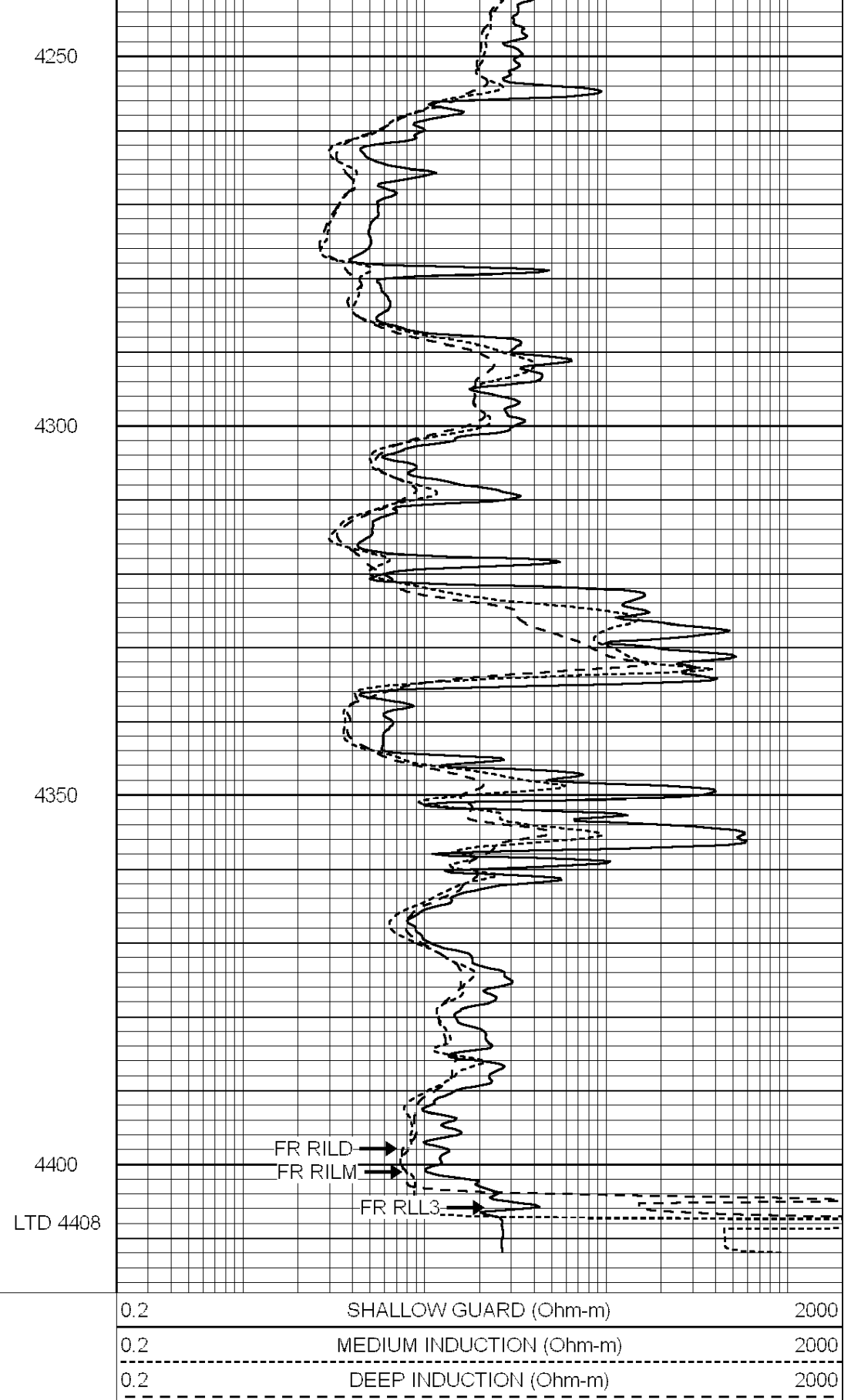
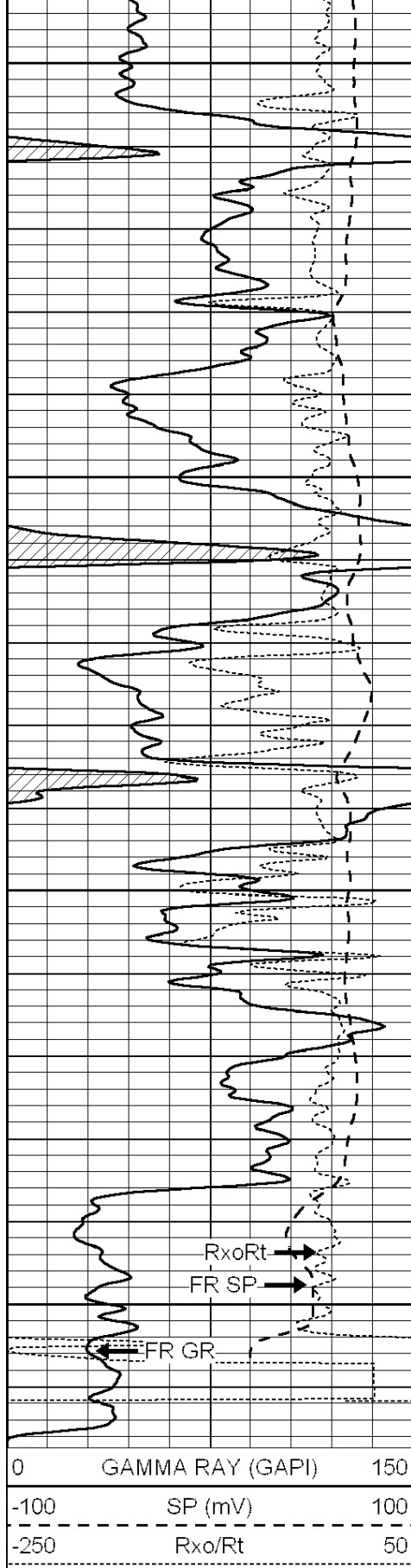
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4100

4150

4200





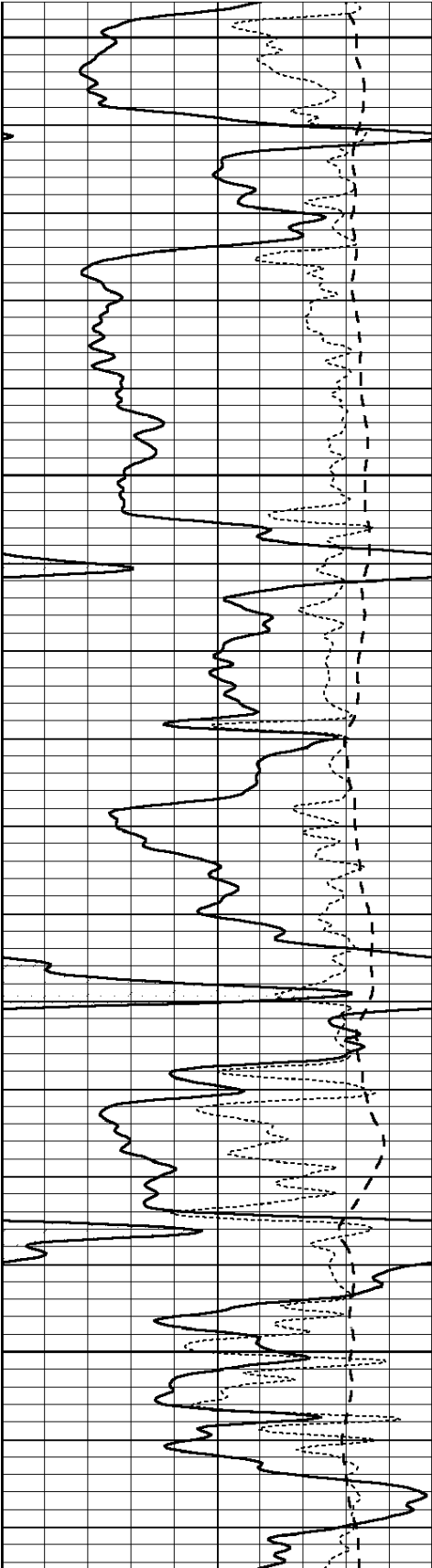
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REPEAT SECTION

Database File: 006783ddn.db
Dataset Pathname: pass2.1
Presentation Format: _dil
Dataset Creation: Tue Mar 08 15:57:34 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

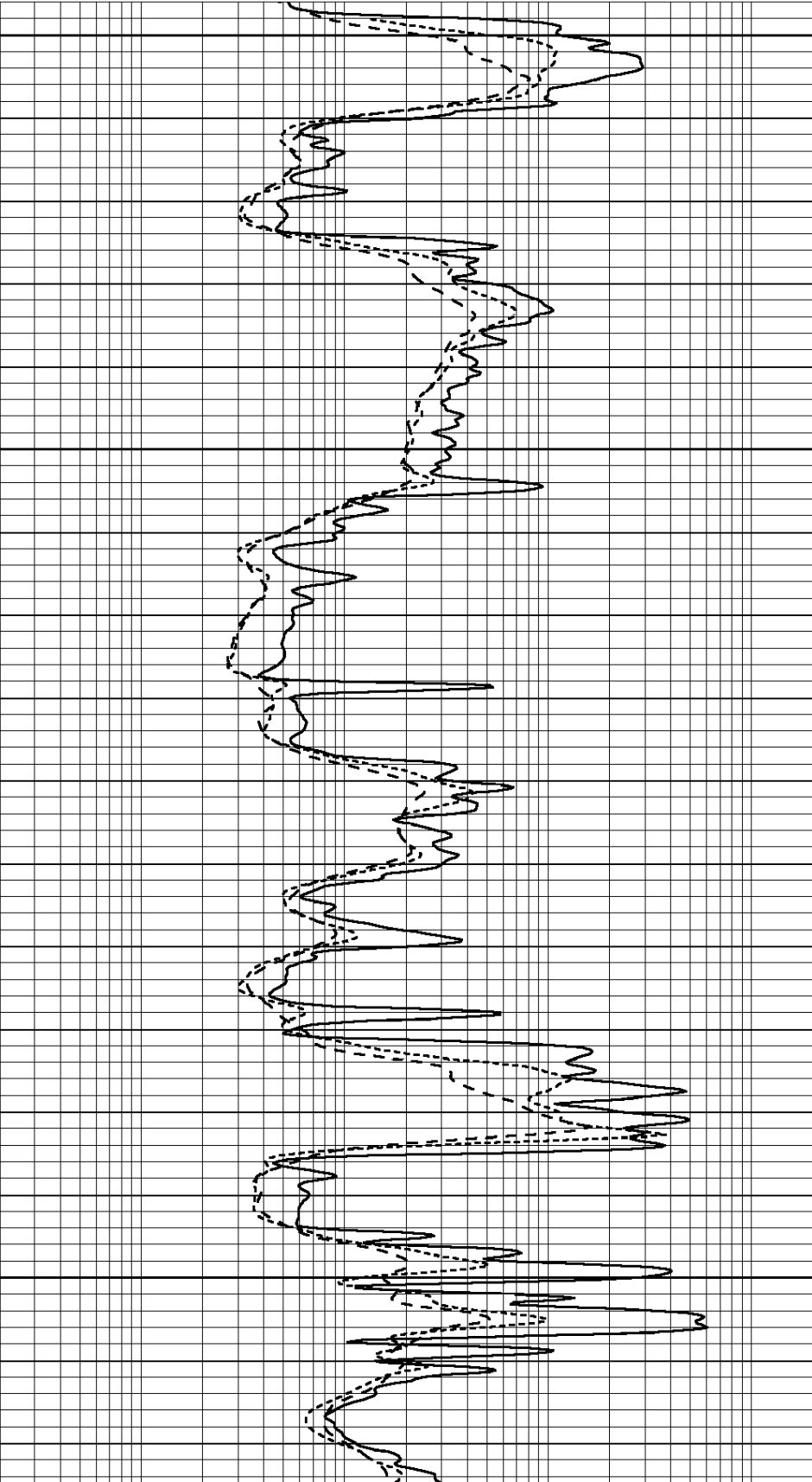


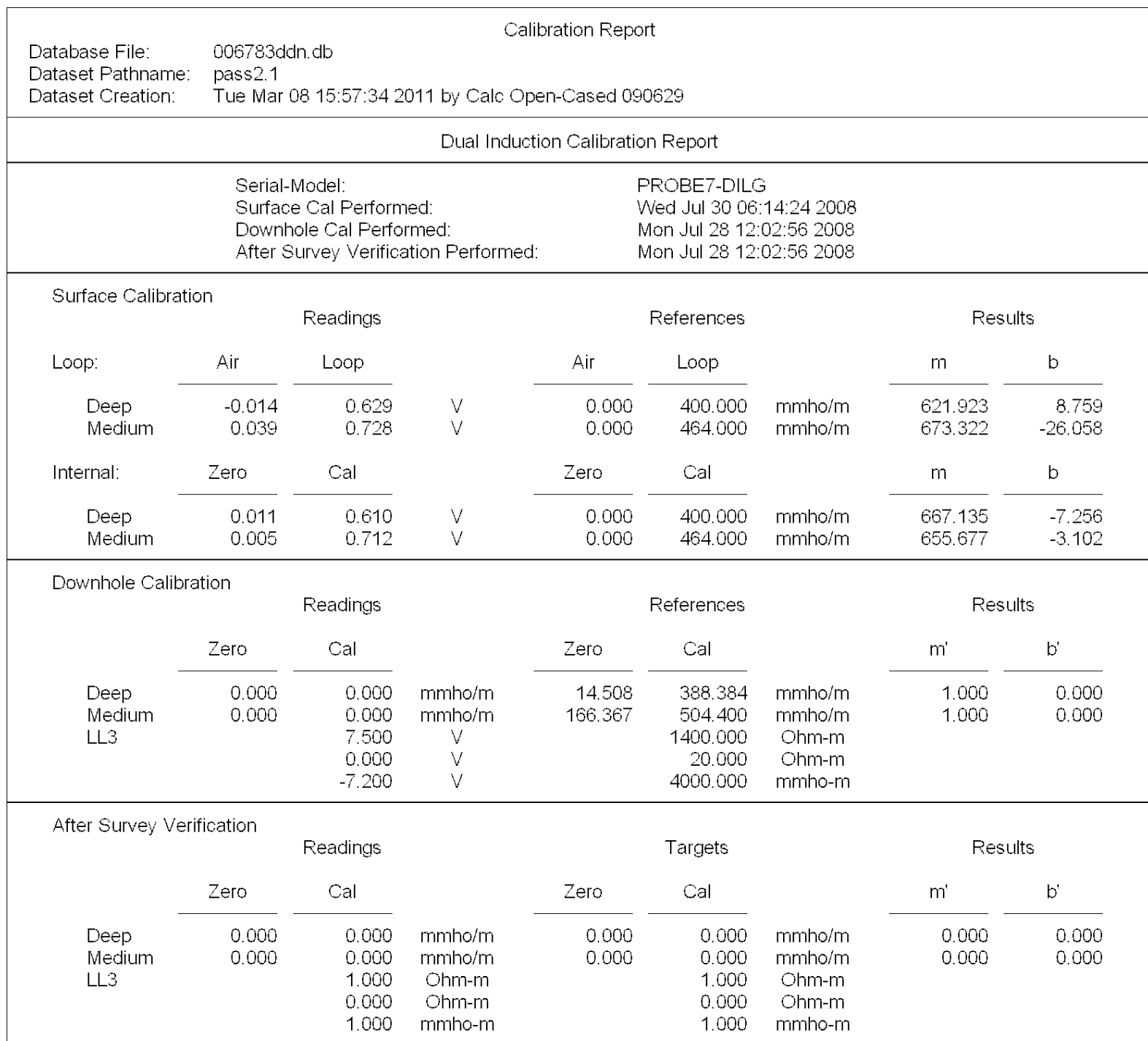
4200

4250

4300

4350





Compensated Density Calibration Report

Serial-Model:
Source / Verifier:
Master Calibration Performed:

GEAR4-GEARHART
143 / 143
Wed Jan 26 17:58:17 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		2.50	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:	Fri Feb 18 03:07:29 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8971	GAPI/cps