



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	TRANS PACIFIC OIL CORPORATION		
Well	ROBERTS TRUST 'B' 1-3		
Field	WILDCAT		
County	LANE	State	KANSAS
Location:	API # : 15-101-22418-00-00		Other Services
	W/2 - SE - NE 3300' FSL & 990' FEL		CNL/CDL
	SEC 3	TWP 16S	RGE 28W
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	KELLY BUSHING 8' A.G.L.		K.B. 2539
Drilling Measured From	KELLY BUSHING		D.F. 2537
			G.L. 2531
Date	02/03/2013		
Run Number	ONE		
Depth Driller	4400		
Depth Logger	4402		
Bottom Logged Interval	4400		
Top Log Interval	00		
Casing Driller	265		
Casing Logger	256		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.6 / 52		
pH / Fluid Loss	9.0 / 7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.0 @ 68F		
Rmf @ Meas. Temp	.8 @ 68F		
Rmc @ Meas. Temp	1.2 @ 68F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.56 @ 120F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	12:00 A.M.		
Maximum Recorded Temperature	123F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	MIKE GARRISON		
Witnessed By	MIKE KIDWELL		

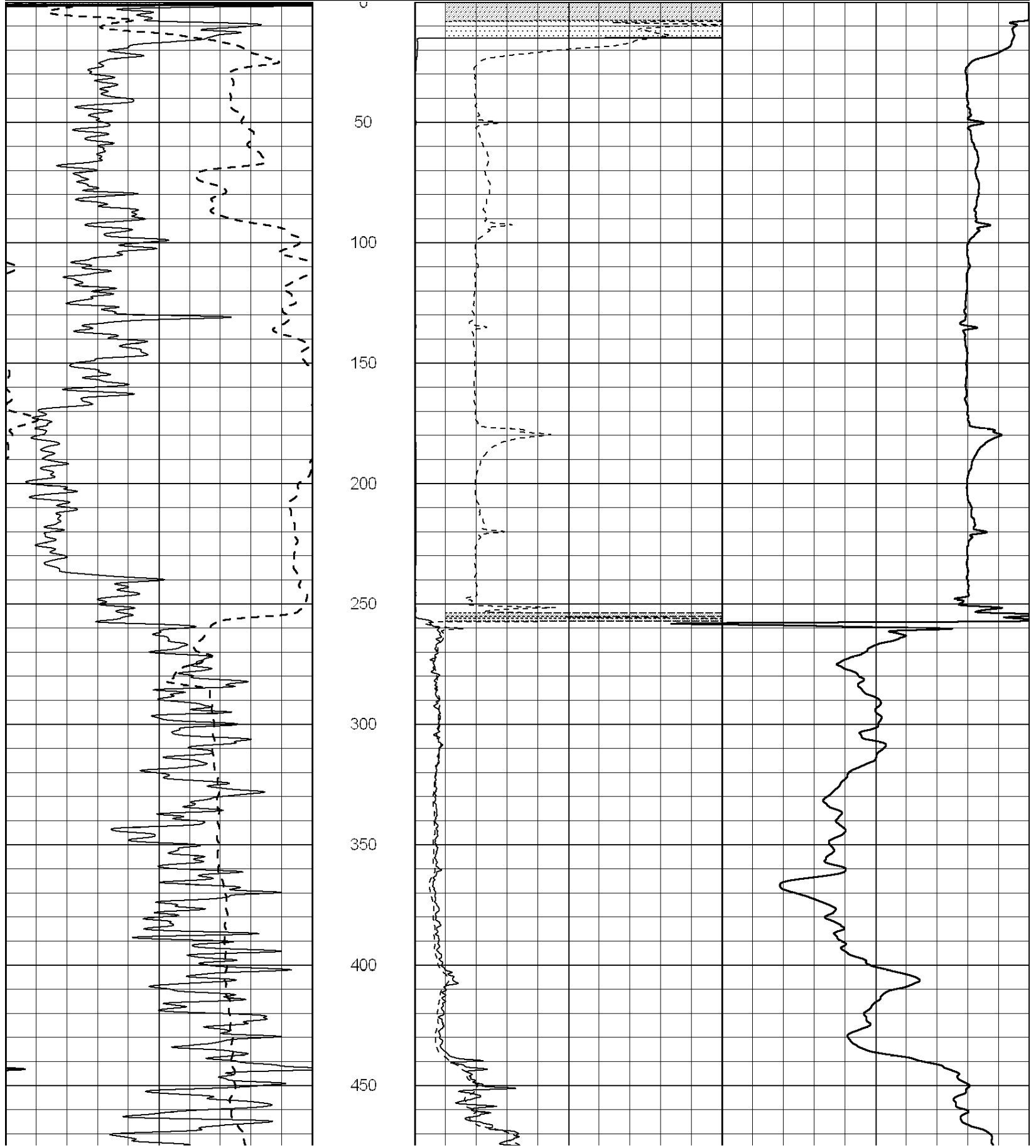
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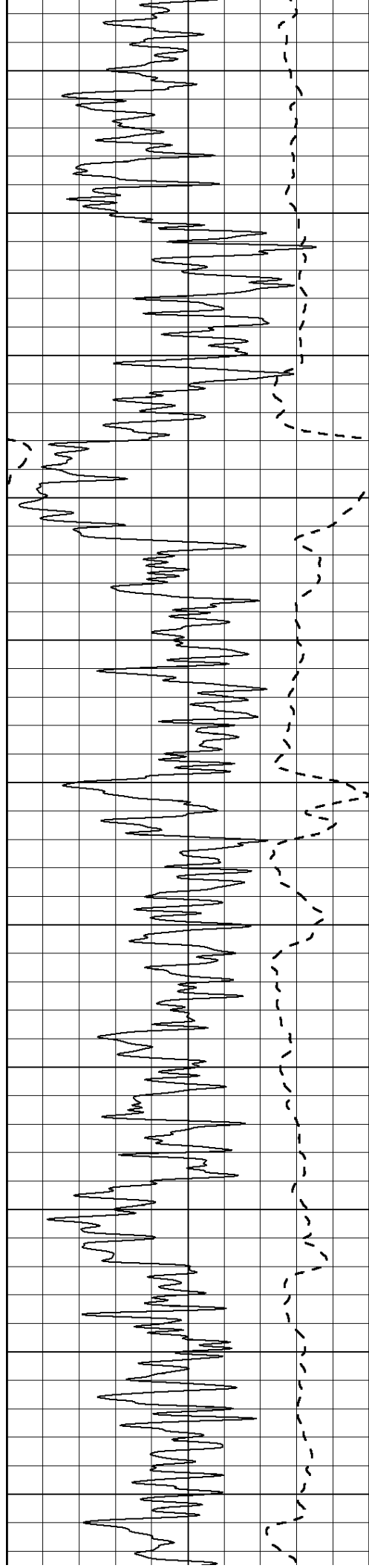
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: SHIELDS, KS- LAREDO RD 5 NORTH TO DEAD END (COUNTY LINE), 2.5 EAST, SOUTH INTO

0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50	
			0	Deep Induction (Ohm-m)	50	
			1000		CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500	
			50	RLL3 X10 (Ohm-m)	500	





500

550

600

650

700

750

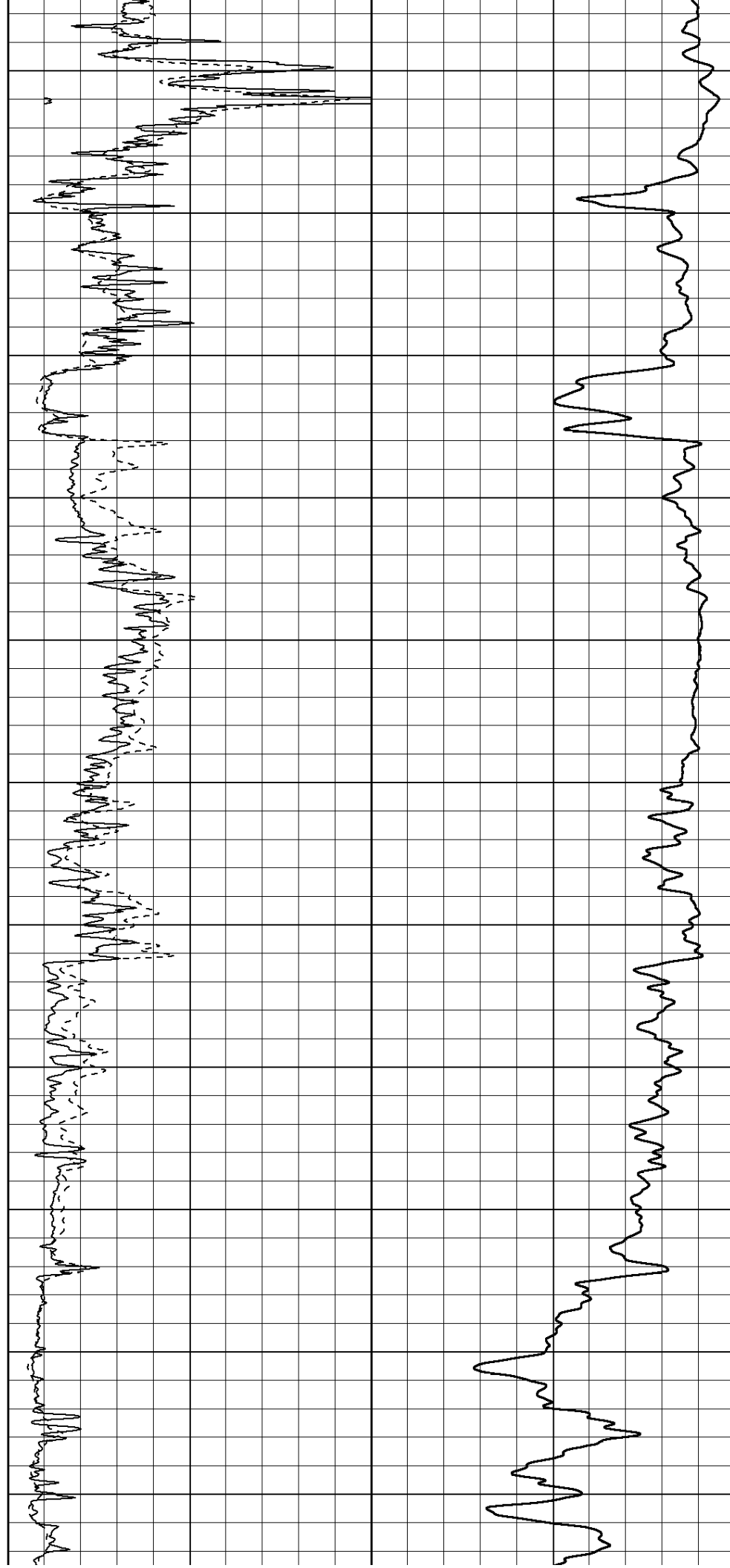
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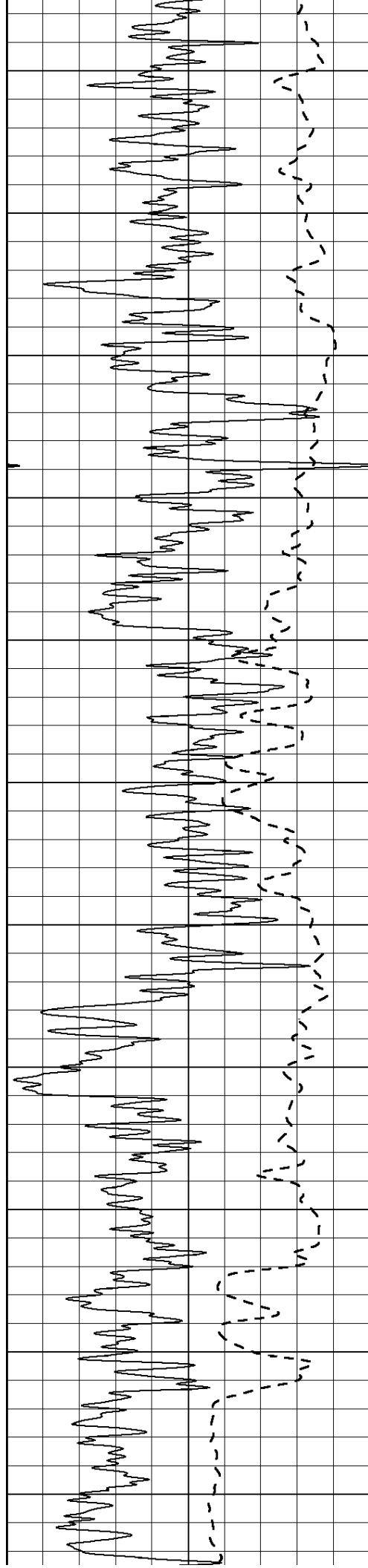
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900

950

1000





1050

1100

1150

1200

1250

1300

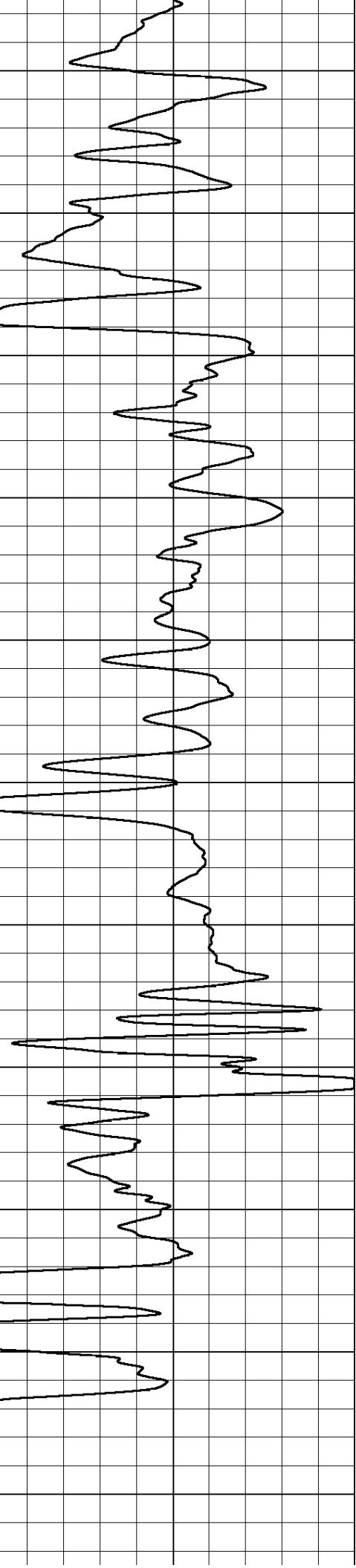
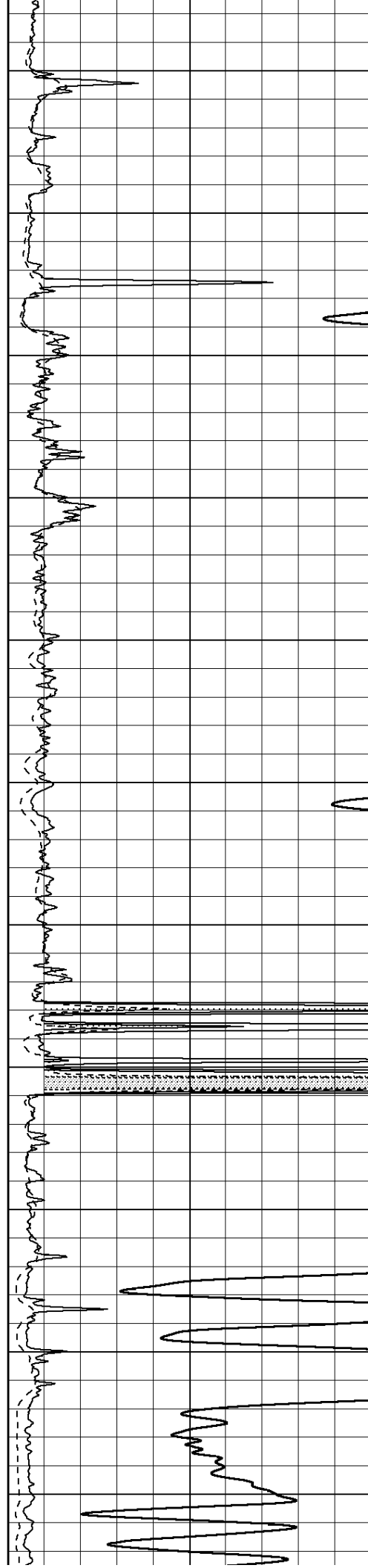
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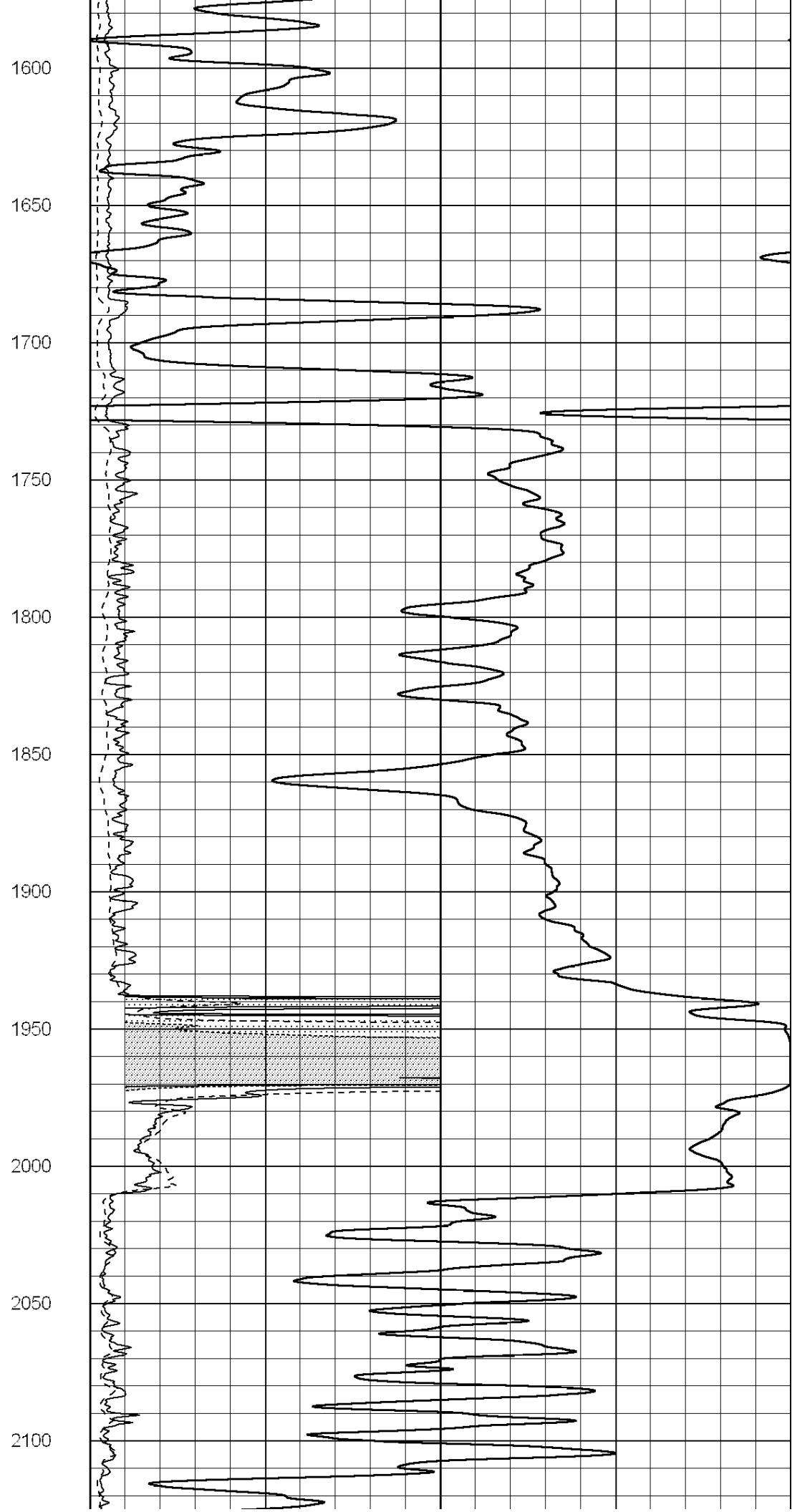
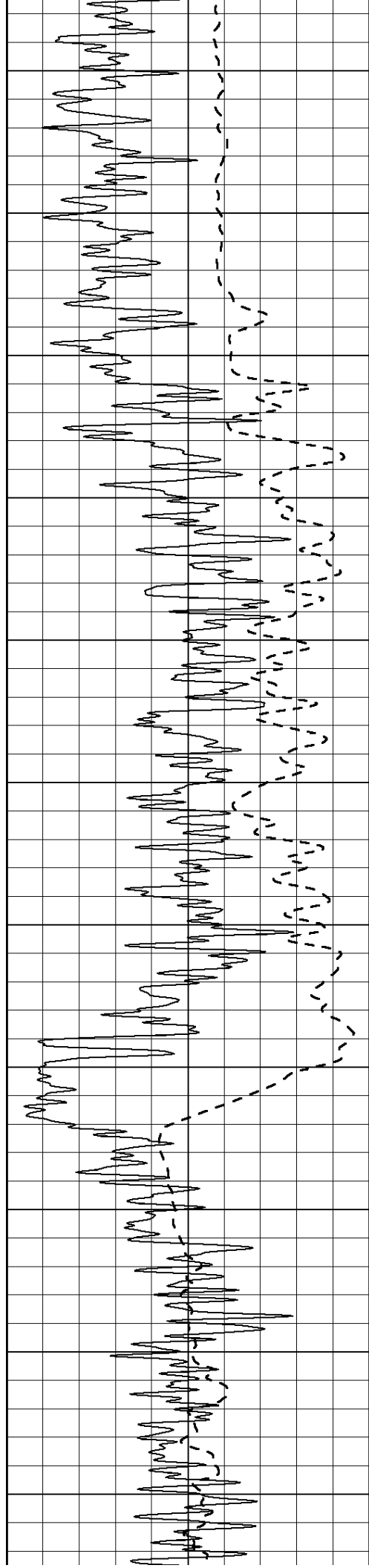
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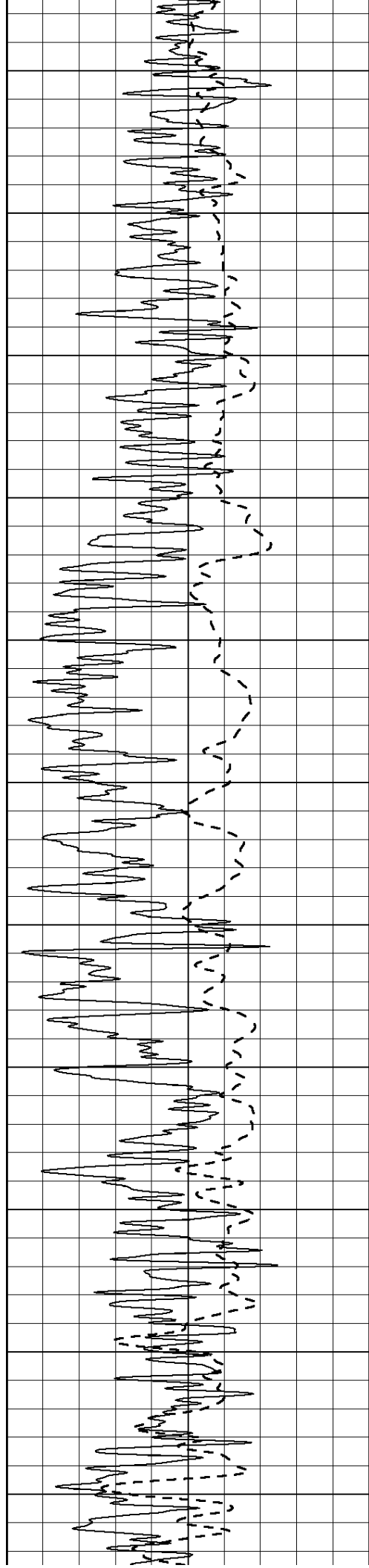
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1500

1550







2150

2200

2250

2300

2350

2400

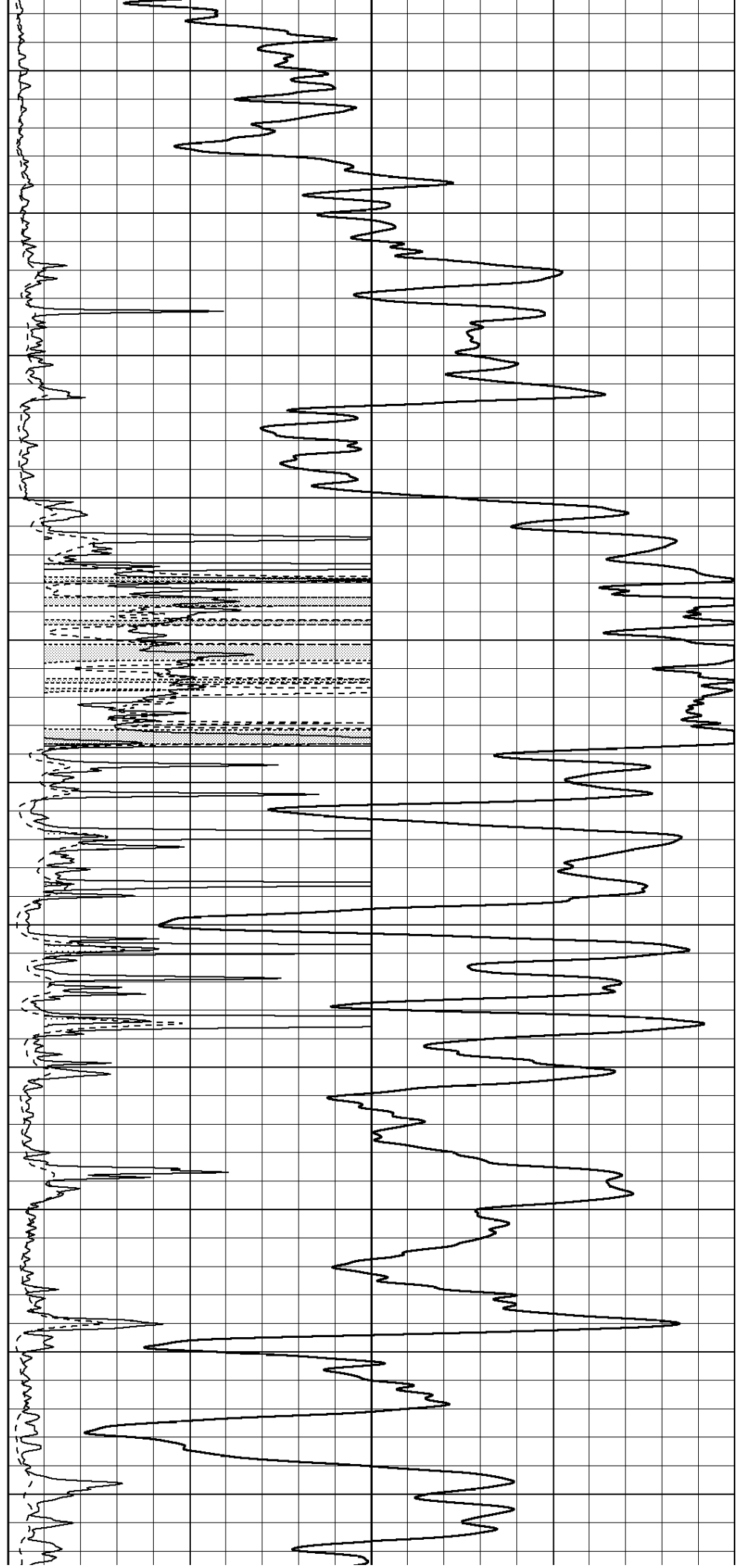
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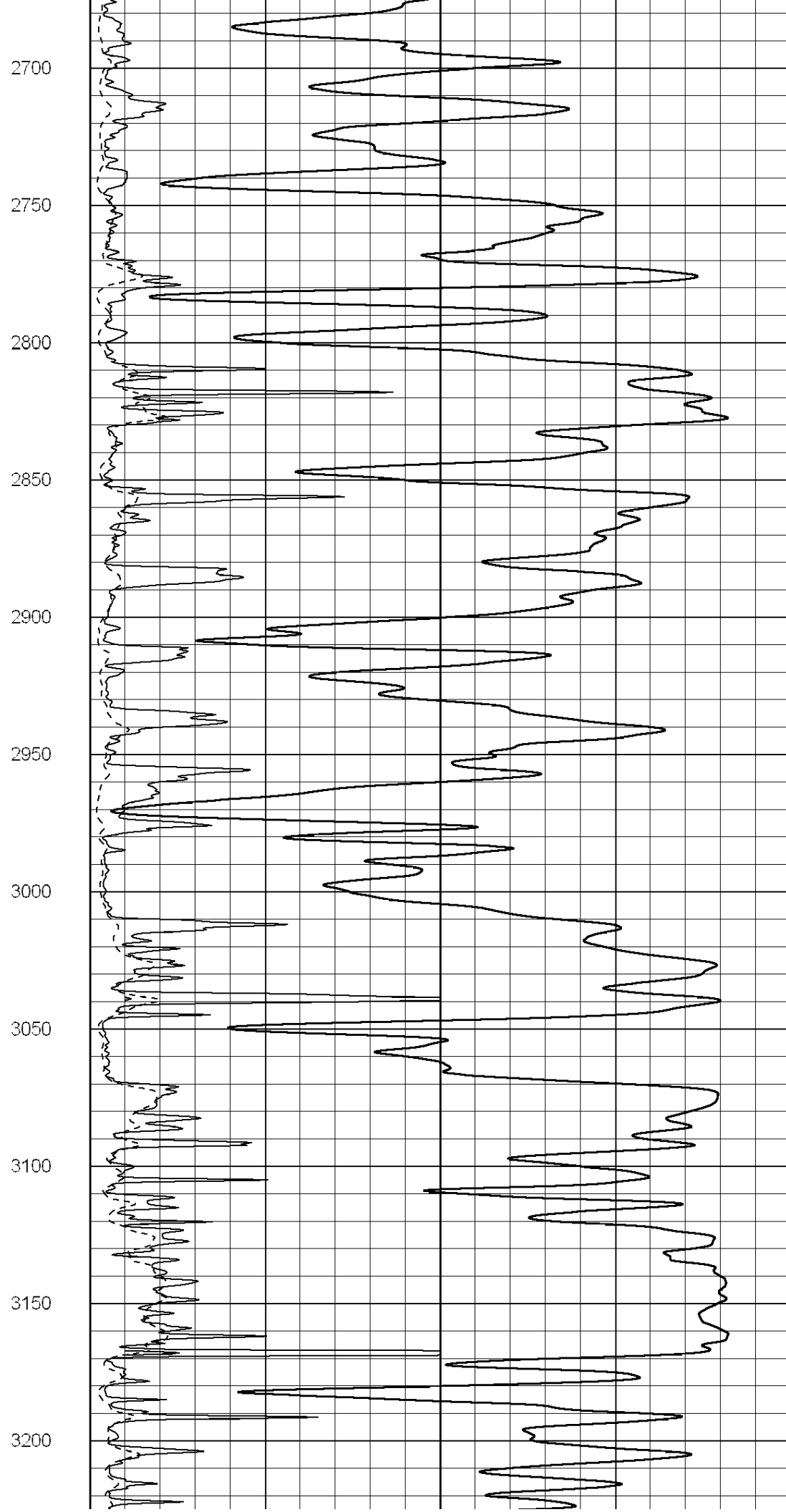
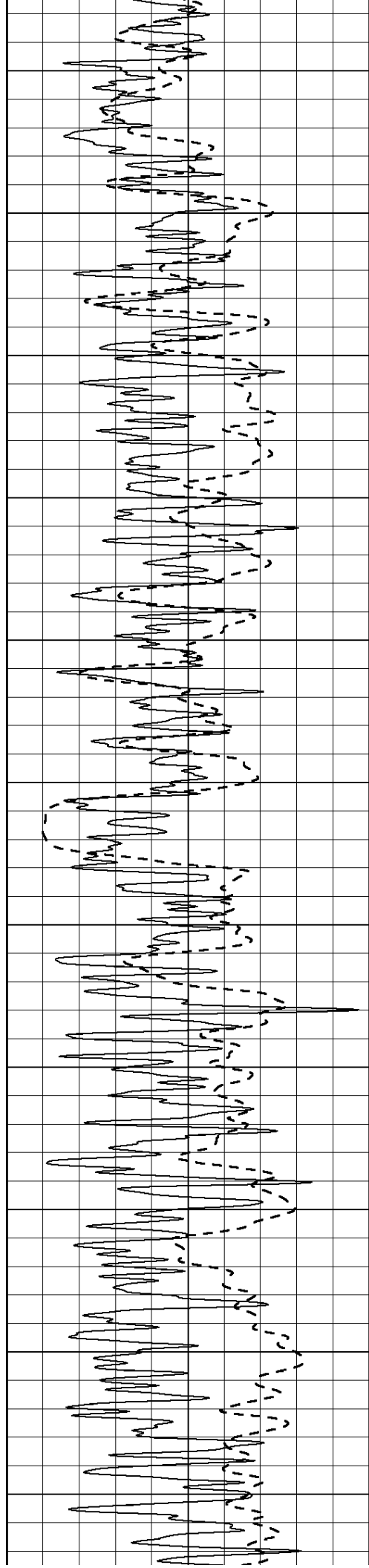
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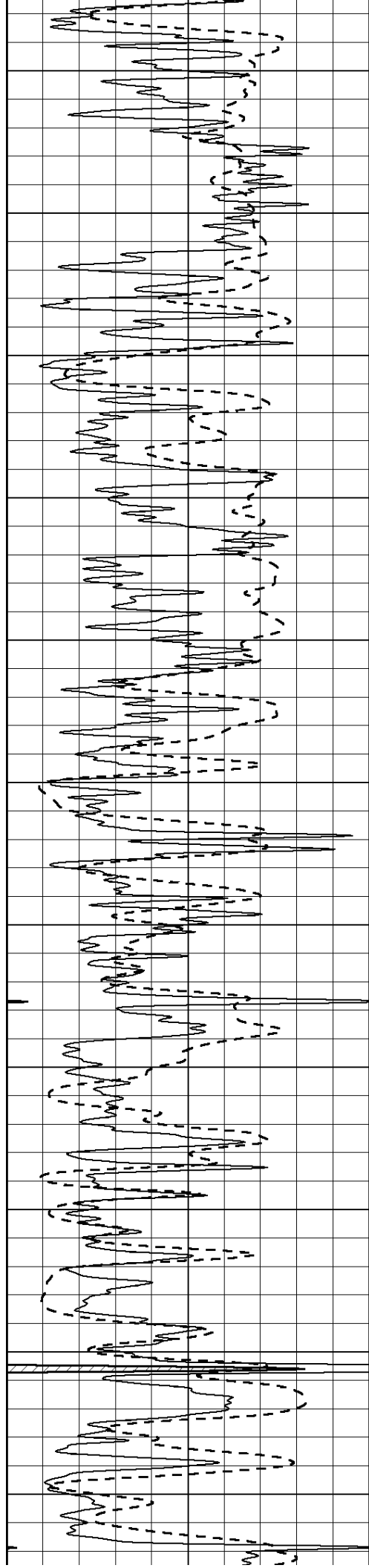
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2600

2650







3250

3300

3350

3400

3450

3500

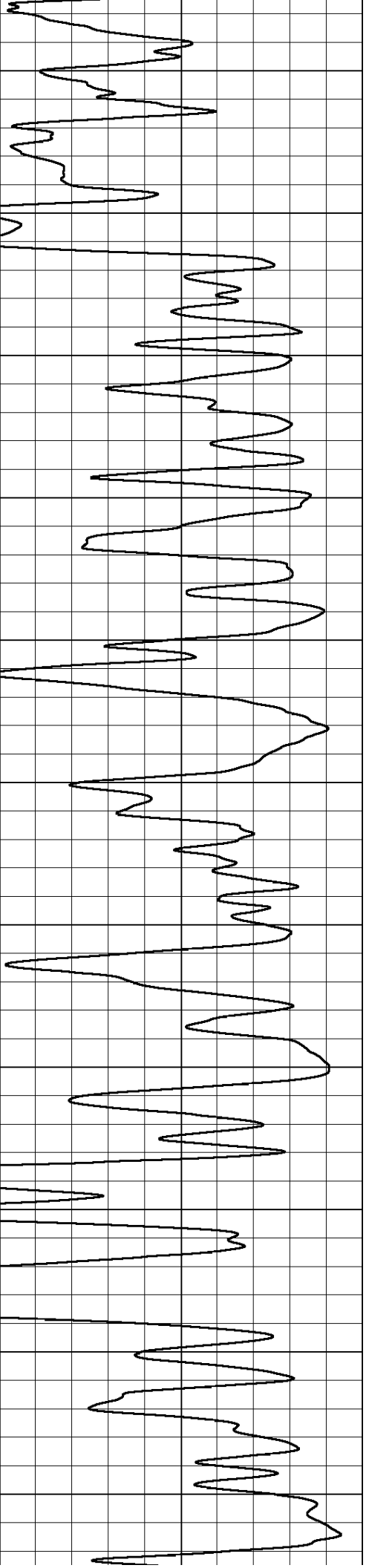
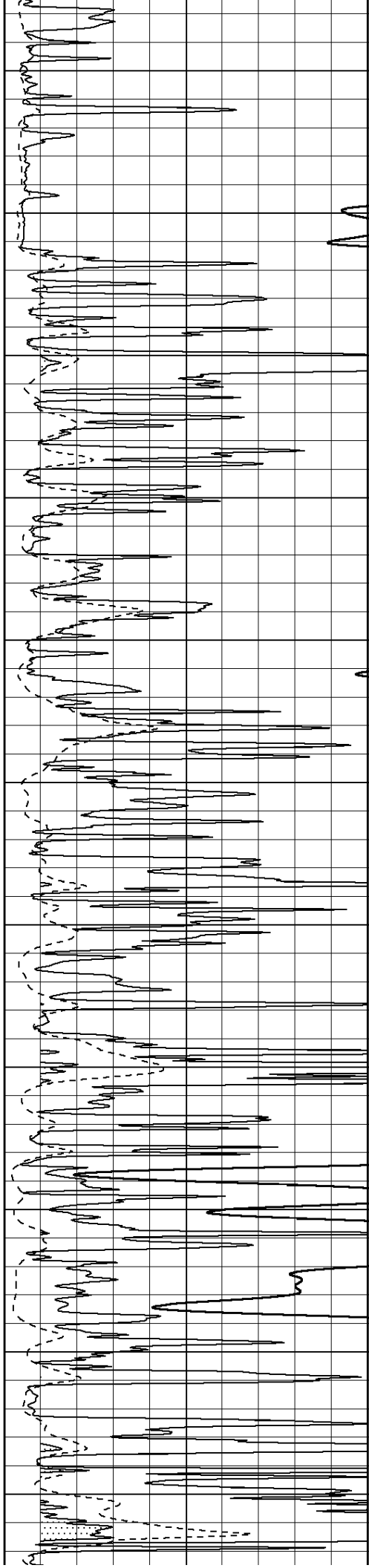
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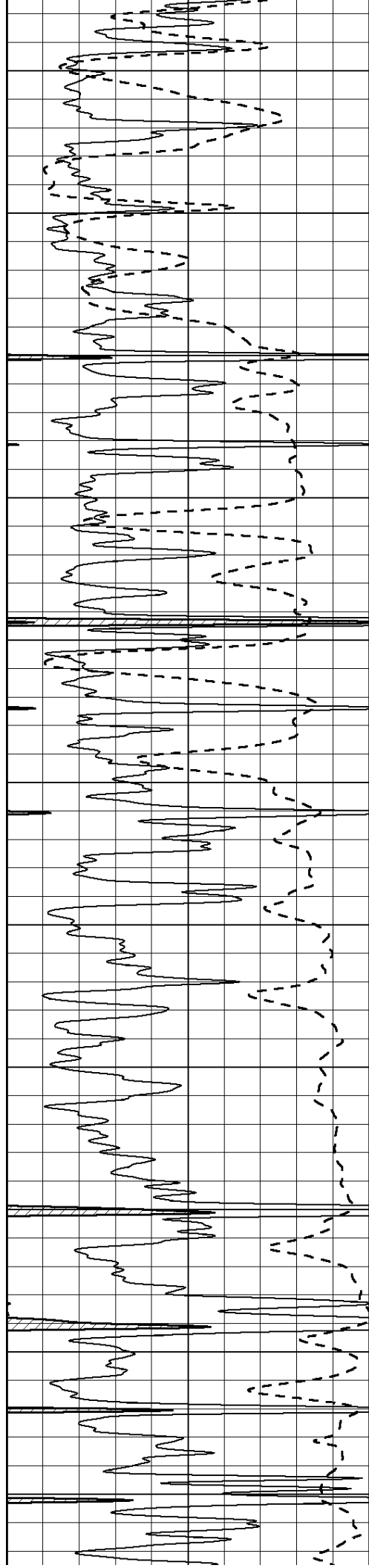
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3650

3700

3750





3800

3850

3900

3950

4000

4050

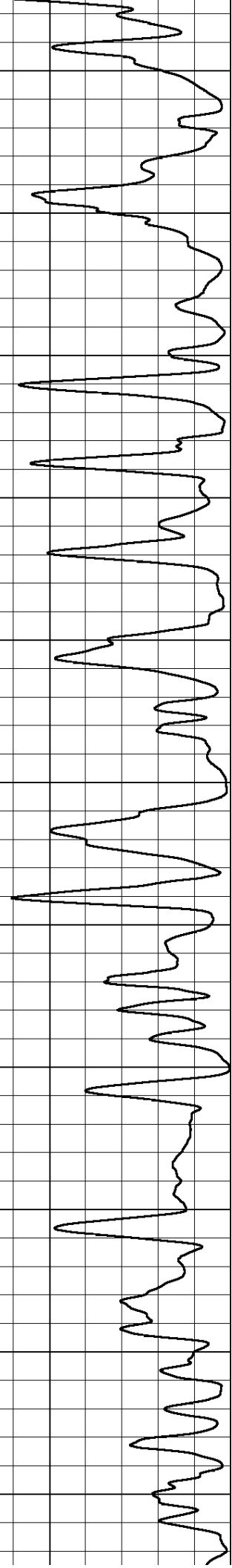
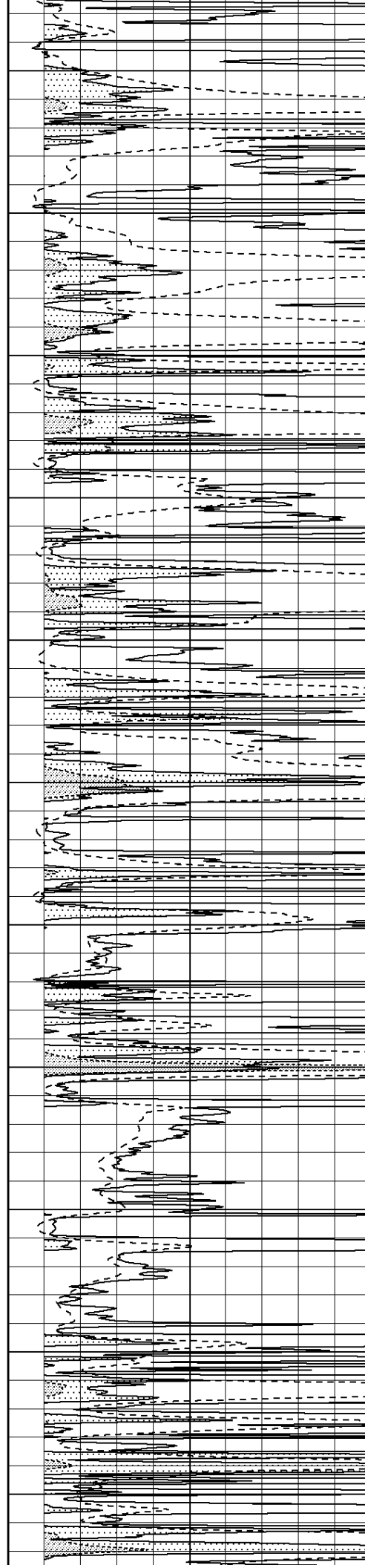
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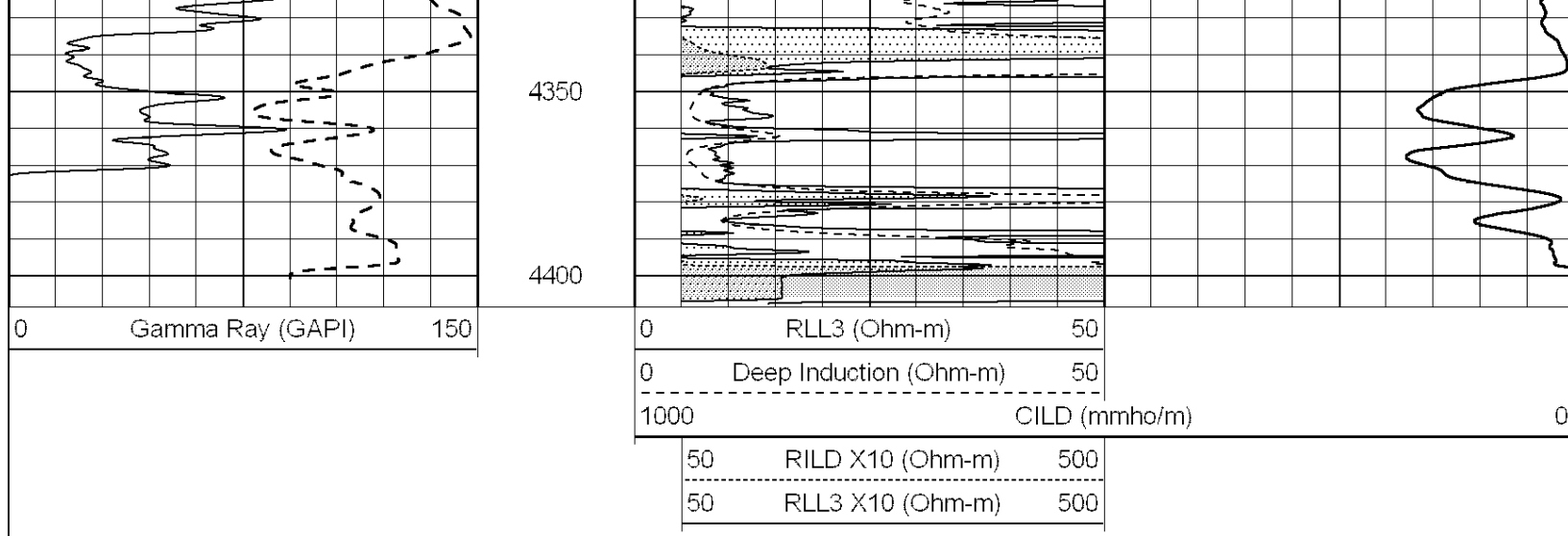
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4200

4250

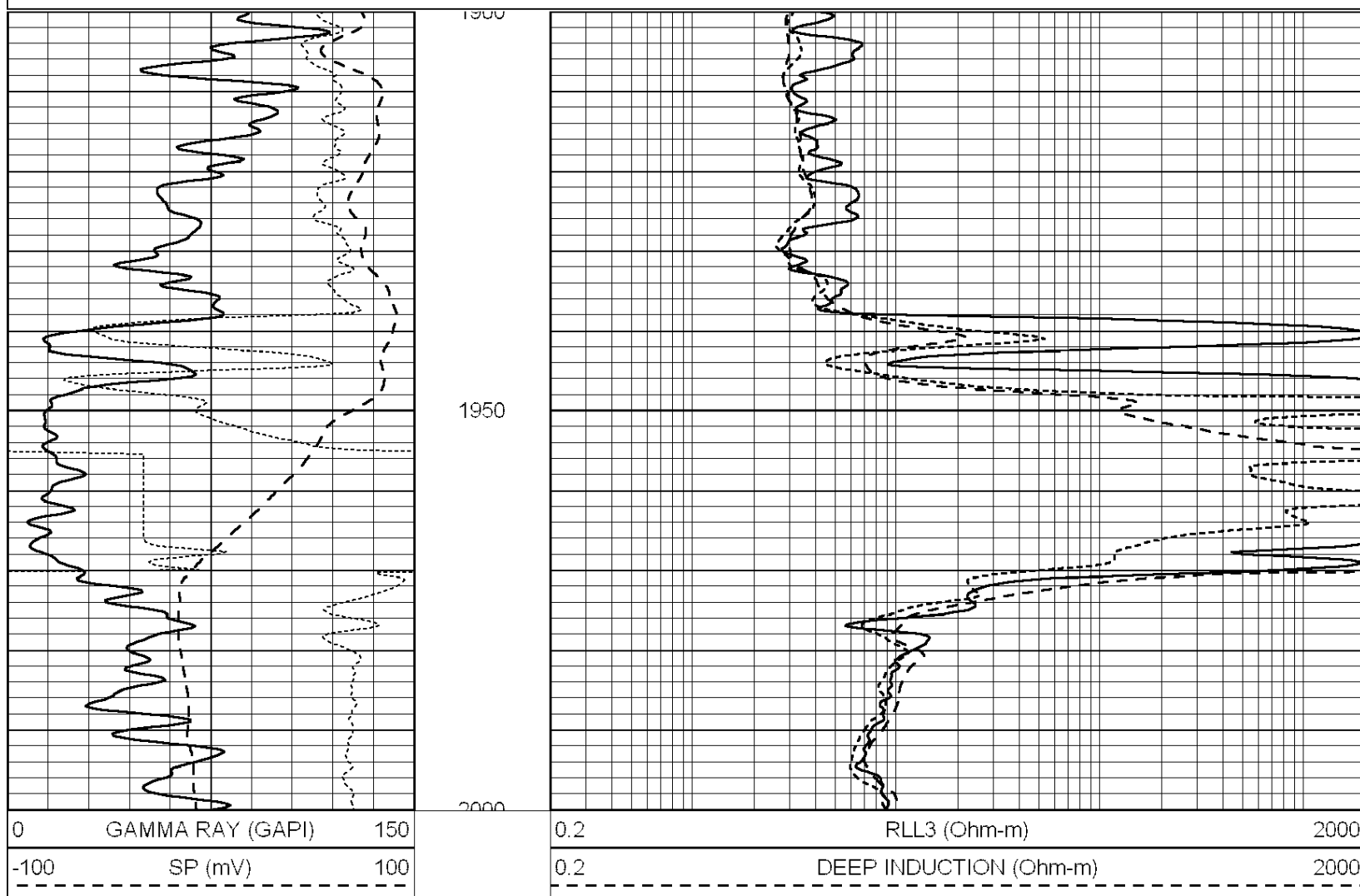
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Database File: 010665dildn.db
 Dataset Pathname: pass4.2
 Presentation Format: dil
 Dataset Creation: Mon Feb 04 01:17:15 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			



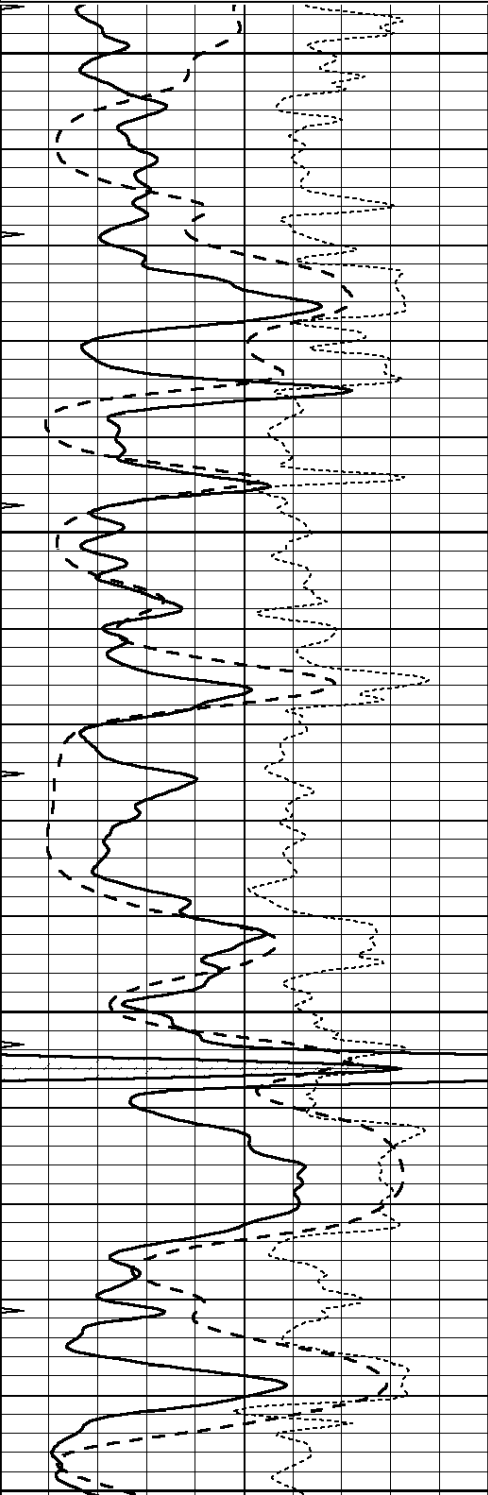
-250	RxoRt	50
0	MINMK	20

0.2	MEDIUM INDUCTION (Ohm-m)	2000

Database File:	010665dildn.db
Dataset Pathname:	pass4.2
Presentation Format:	dil
Dataset Creation:	Mon Feb 04 01:17:15 2013 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

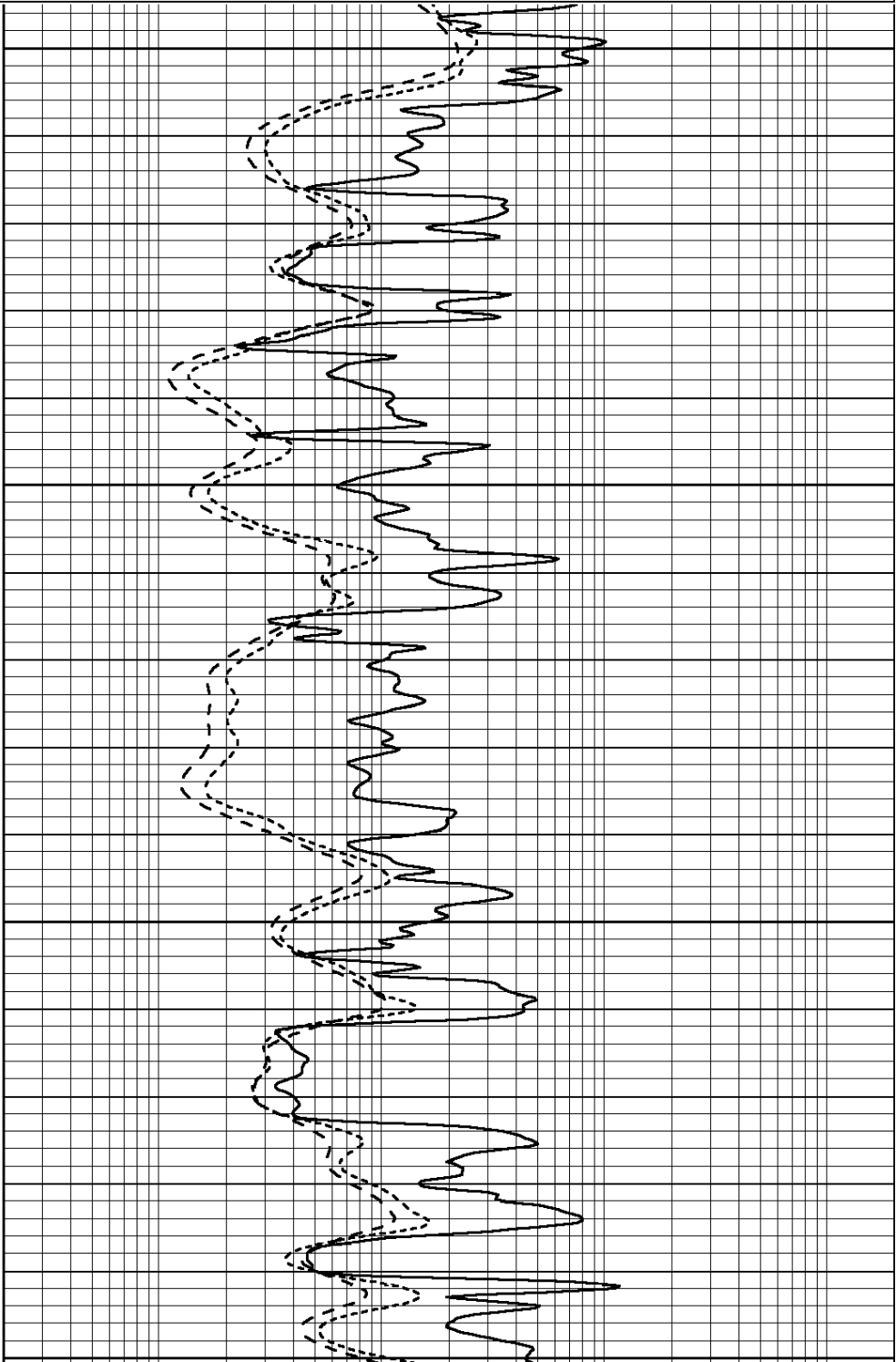


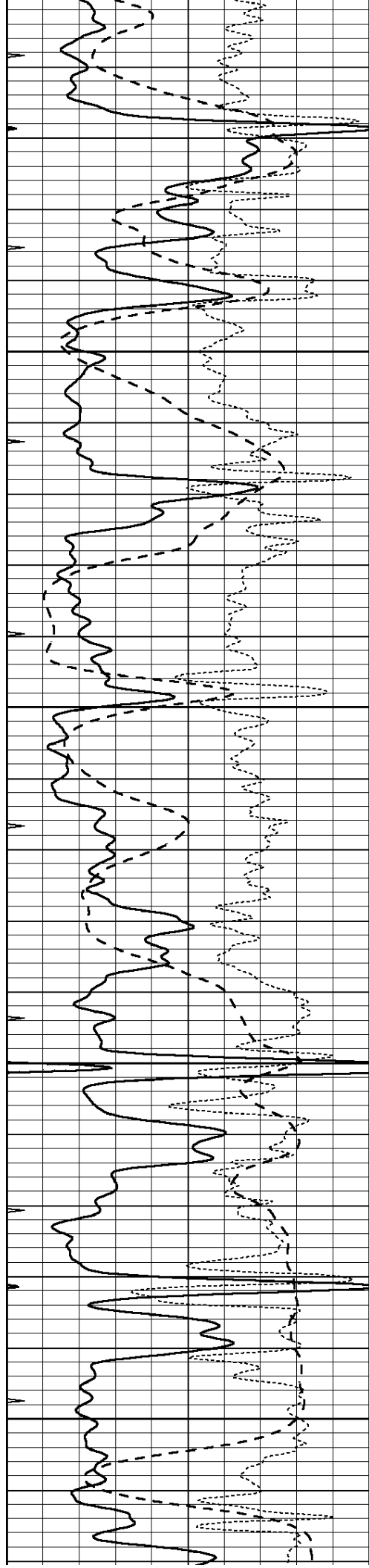
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3650

3700

3750



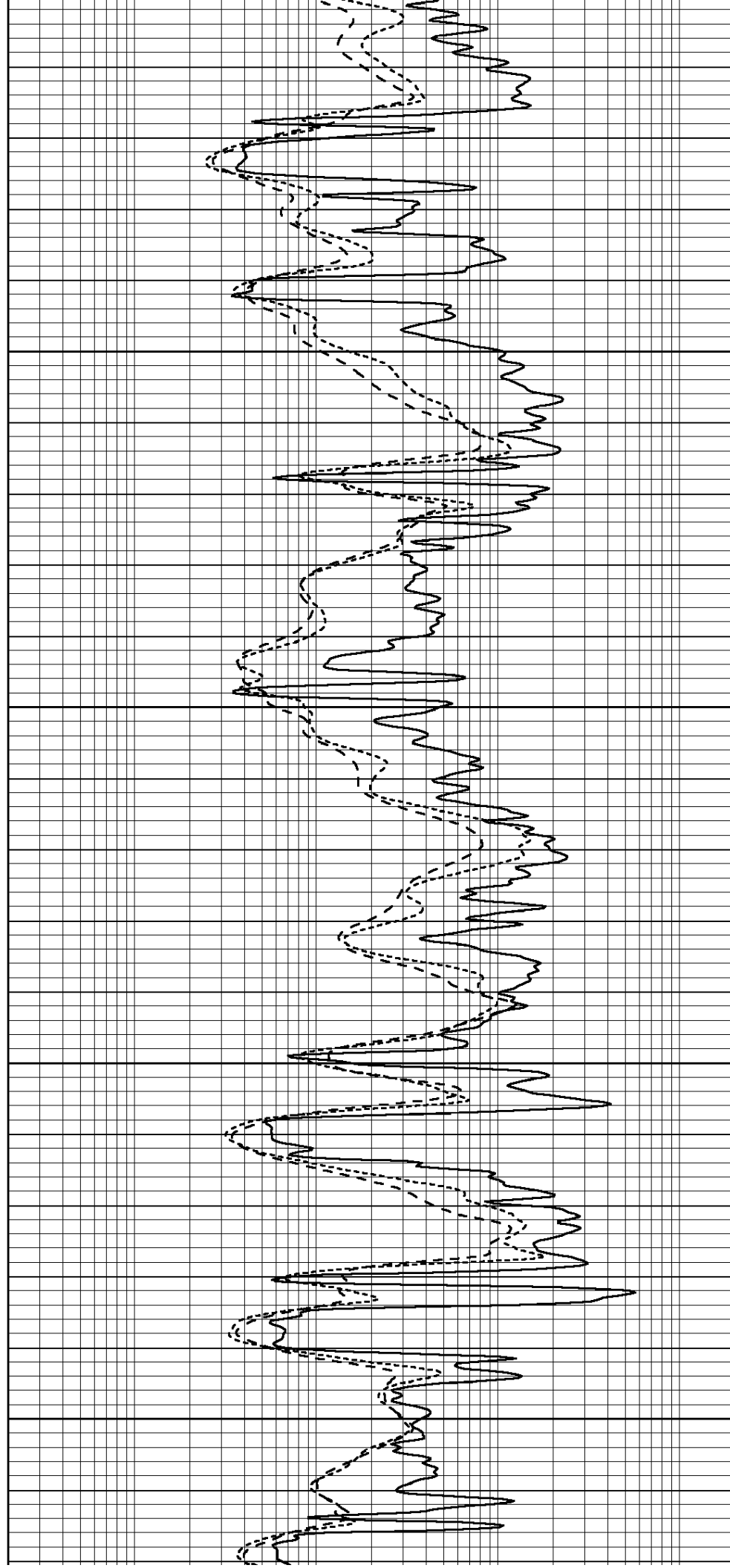


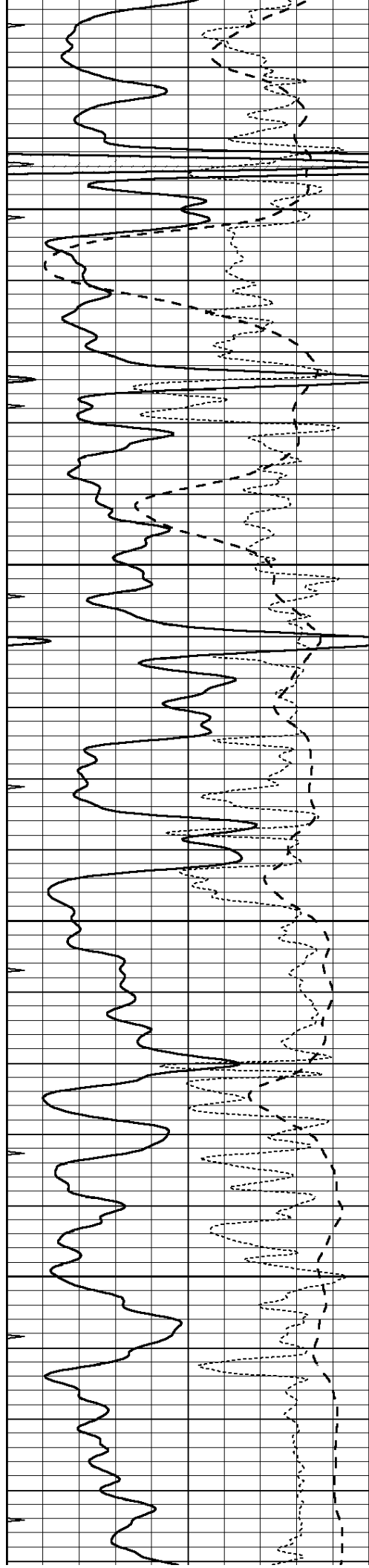
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3850

3900

3950



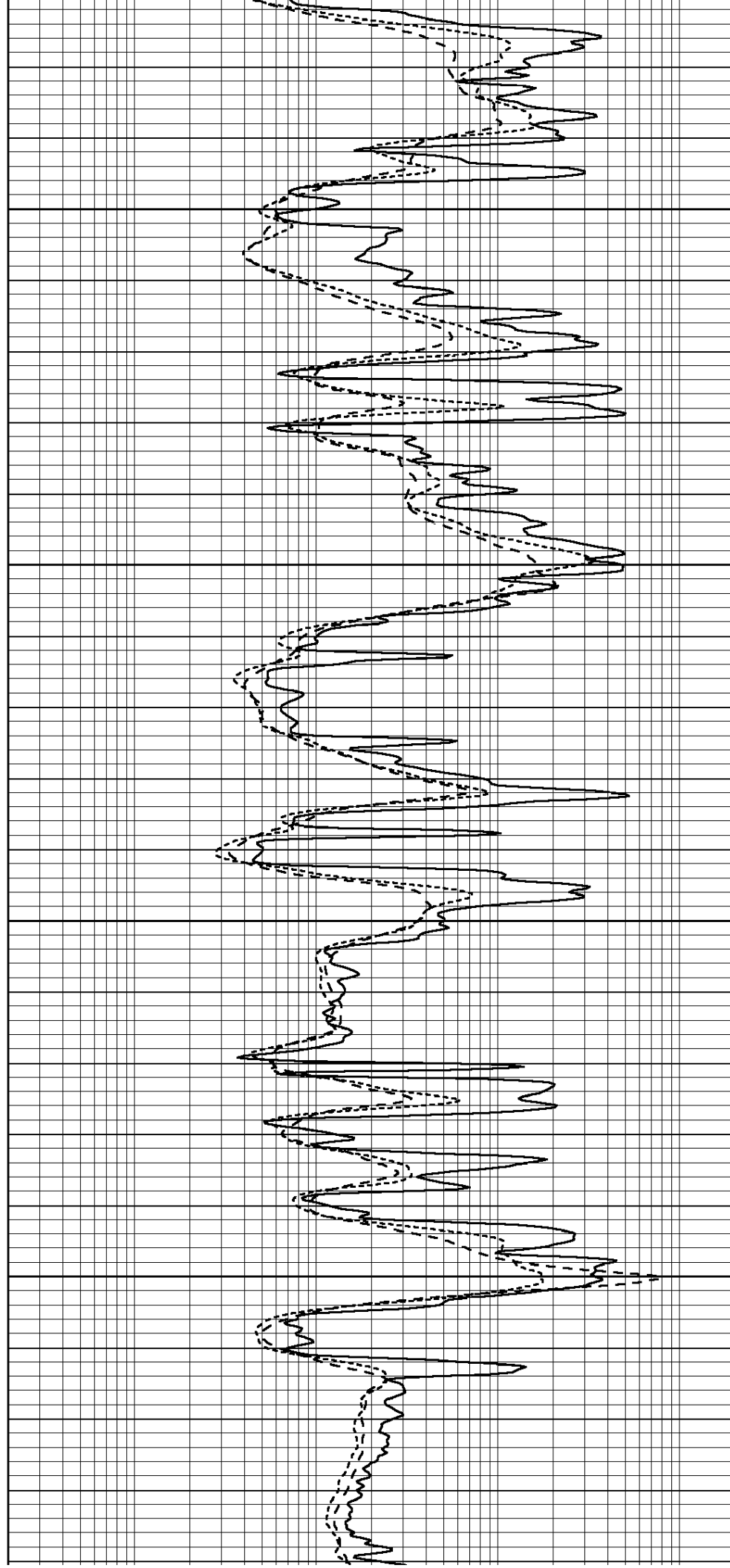


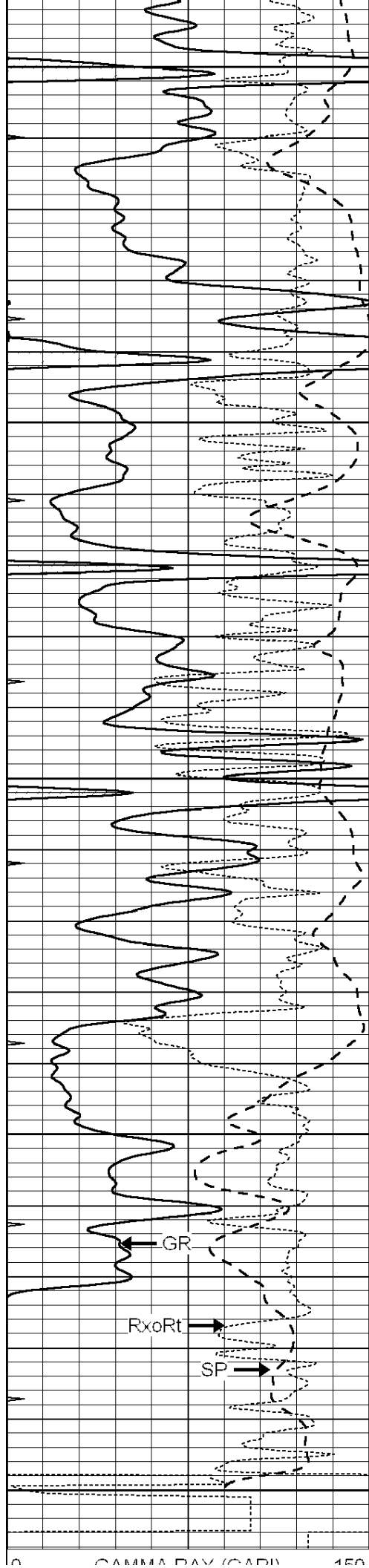
4000

4050

4100

4150





4200

4250

4300

4350

4400

LTD 4402

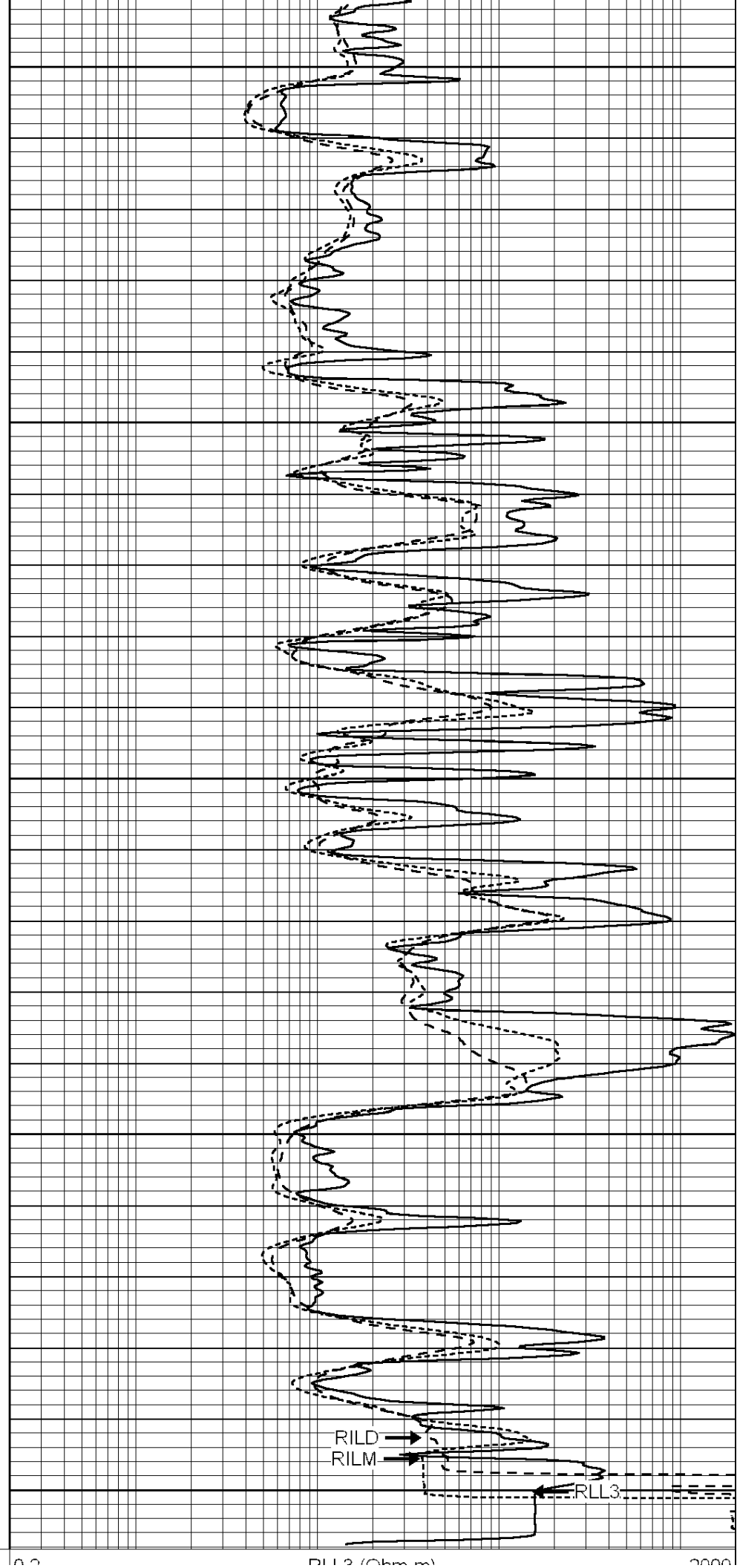
GR

RxoRt

SP

GAPI (API)

150



RILD

RILM

RLL3

RLL3 (Ohm m)

2000

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



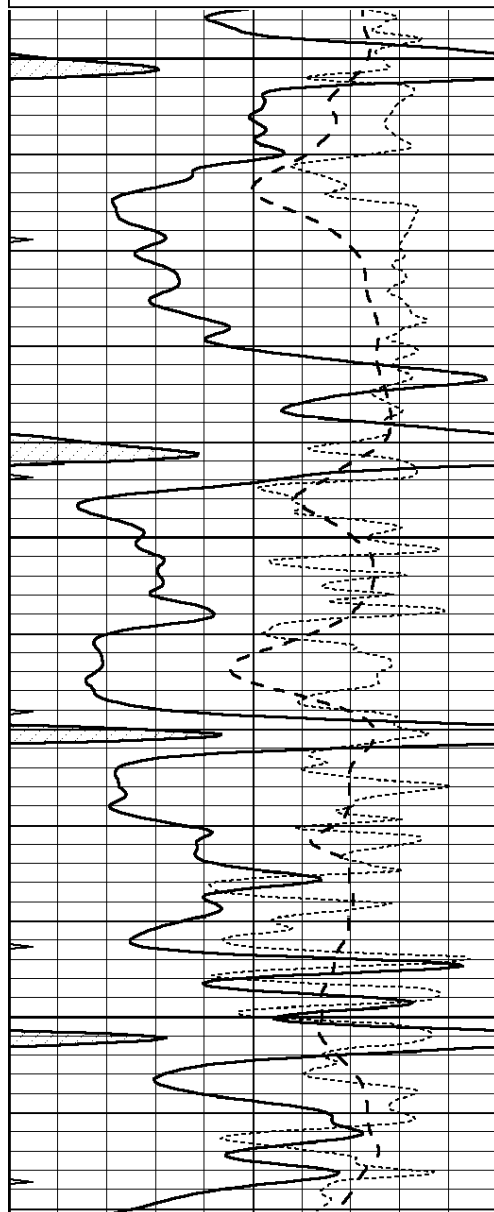
**COMPLETION
& PRODUCTION
SERVICES CO.**

REPEAT SECTION

Database File: 010665dildn.db
Dataset Pathname: pass2.2
Presentation Format: dil
Dataset Creation: Mon Feb 04 00:25:37 2013 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

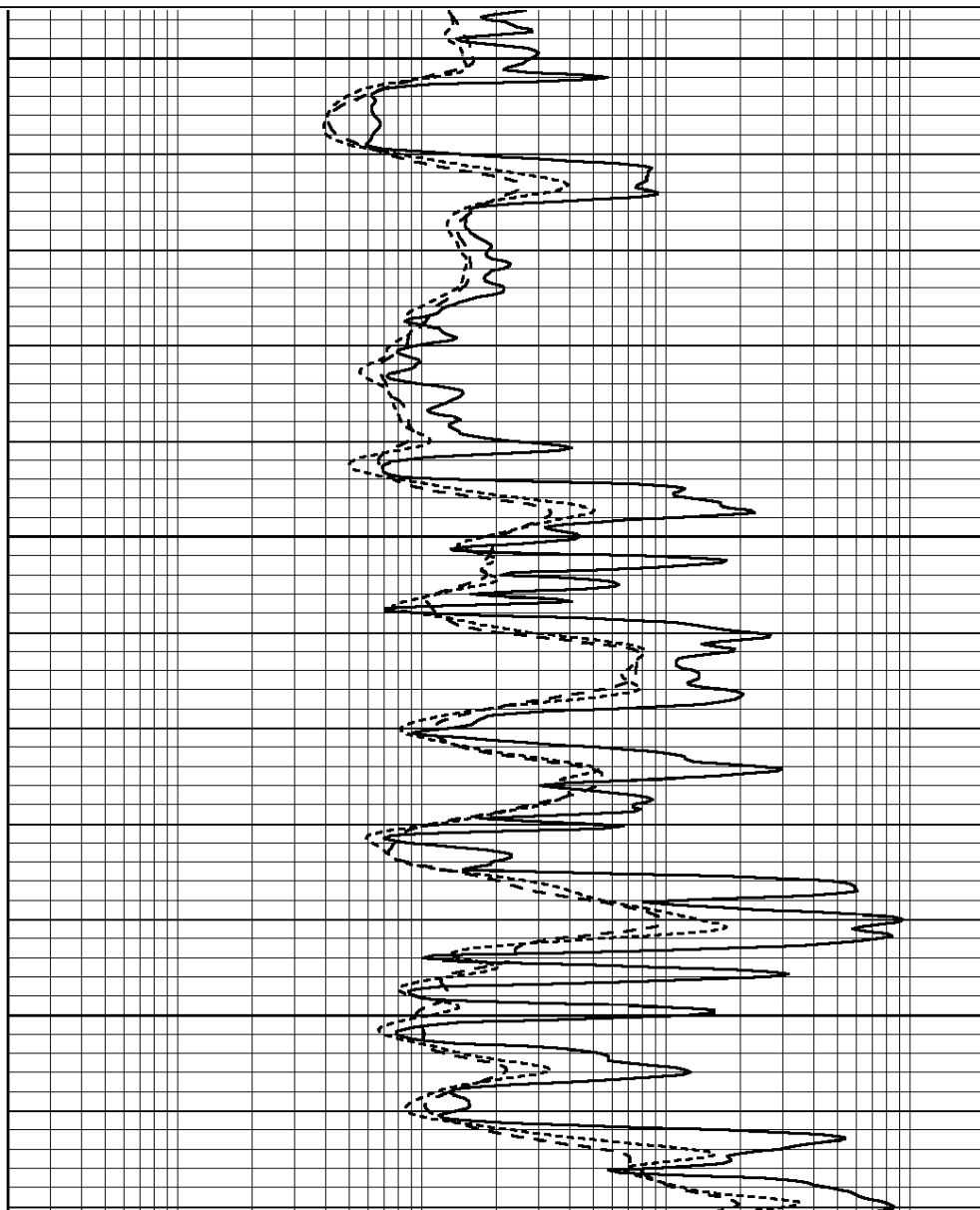
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

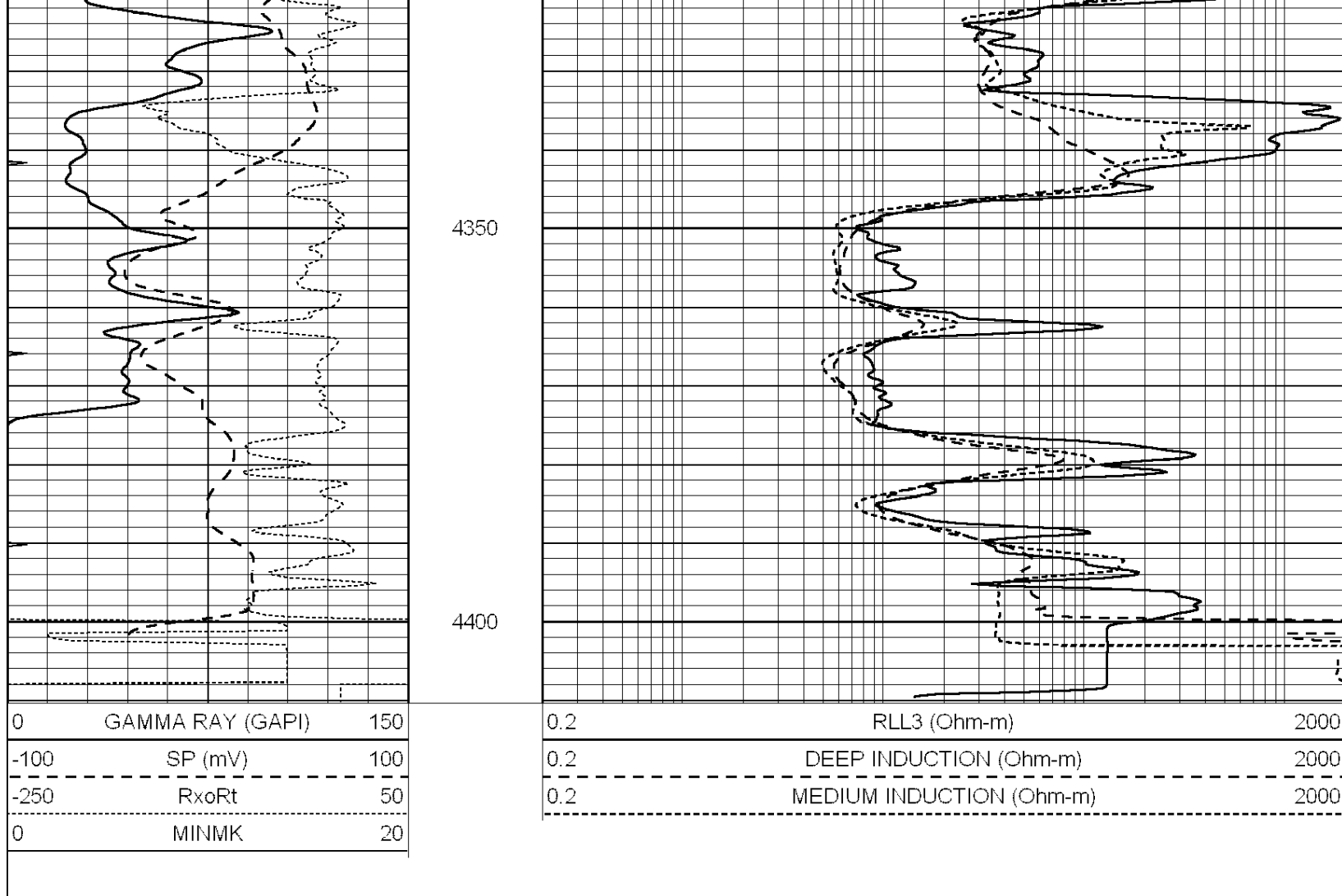


4200

4250

4300





Calibration Report

Database File: 010665dildn.db
 Dataset Pathname: pass4.2
 Dataset Creation: Mon Feb 04 01:17:15 2013 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
 Surface Cal Performed: Sat Feb 02 01:31:14 2013
 Downhole Cal Performed: Sat Jan 19 19:51:38 2013
 After Survey Verification Performed: Sat Jan 19 19:51:38 2013

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.793	0.790	V	0.000	400.000	mmho/m	630.000	0.000
Medium	0.992	1.002	V	0.000	464.000	mmho/m	700.000	-49.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.041	0.642	V	0.000	400.000	mmho/m	664.874	-27.011
Medium	0.035	0.802	V	0.000	464.000	mmho/m	604.936	-21.367

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	135384.000	27094.500	mmho/m	135400.000	27082.400	mmho/m	1.000	-19.259

Medium	-47330.100	-9381.740	mmho/m	-47327.100	-9389.280	mmho/m	1.000	-10.154
LL3		7.322	V		1400.000	Ohm-m		
		0.038	V		20.000	Ohm-m		
		-7.273	V		4000.000	mmho-m		
After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	135384.000	27094.500	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-47330.100	-9381.740	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1400.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		4000.000	mmho-m		
Compensated Density Calibration Report								
	Serial-Model:		GEAR1-GEARHART					
	Source / Verifier:		147 / 147					
	Master Calibration Performed:		Fri Feb 01 23:17:10 2013					
Master Calibration								
	Density			Far Detector		Near Detector		
Magnesium	1.710	g/cc		1205.77		610.74	cps	
Aluminum	2.590	g/cc		271.21		419.72	cps	
	Spine Angle = 75.89			Density/Spine Ratio = 0.572				
	Size			Reading				
Small Ring	6.90	in		4.69		V		
Large Ring	14.00	in		6.52		V		
Compensated Neutron Calibration Report								
	Serial Number:		NEU_4I					
	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:		Sat Feb 02 04:28:00 2013					
	Calibrator Value:		1.0		GAPI			
	Background Reading:		0.0		cps			
	Calibrator Reading:		1.0		cps			
	Sensitivity:		2.1000		GAPI/cps			