



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

TRIPLE COMBO LOG

Company		O'BRIEN RESOURCES, LLC.	
Well		MSJ PENNER 28 #2	
Field		WILDCAT	
County		GOVE	
State		KANSAS	
Company		O'BRIEN RESOURCES, LLC.	
Well		MSJ PENNER 28 #2	
Field		WILDCAT	
County		GOVE	
State		KANSAS	
Location:		API # : 15-063-22210-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		1891' FNL & 933' FWL SW - NE - SW - NW	
Drilling Measured From		SEC 28 TWP 14S RGE 30W KELLY BUSHING 13' A.G.L.	
Other Services		CDL/CNL/PE DIL/MEL	
Elevation		2764	
Date		11/5/14	
Run Number		TWO	
Depth Driller		4615	
Depth Logger		4618	
Bottom Logged Interval		4616	
Top Log Interval		3600	
Casing Driller		8 5/8" @ 27'	
Casing Logger		269	
Bit Size		7 7/8"	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.2/45	
pH / Fluid Loss		11.0/6.4	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.950 @ 80F	
Rinf @ Meas. Temp		.713 @ 80F	
Rinc @ Meas. Temp		1.14 @ 80F	
Source of Rinf / Rinc		MEASUREMENT	
Rim @ BHT		.623 @ 122F	
Time Circulation Stopped		5 HOURS	
Time Logger on Bottom		6:30 A.M.	
Maximum Recorded Temperature		122F	
Equipment Number		4854	
Location		HAYS, KANSAS	
Recorded By		JEFF LUEBBERS	
Witnessed By		KURT TALBOTT	

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
GOVE, KS., 9S. ON HWY 23 TO "CO. RD. 22", 9W., S. INTO @TANK BATTERY

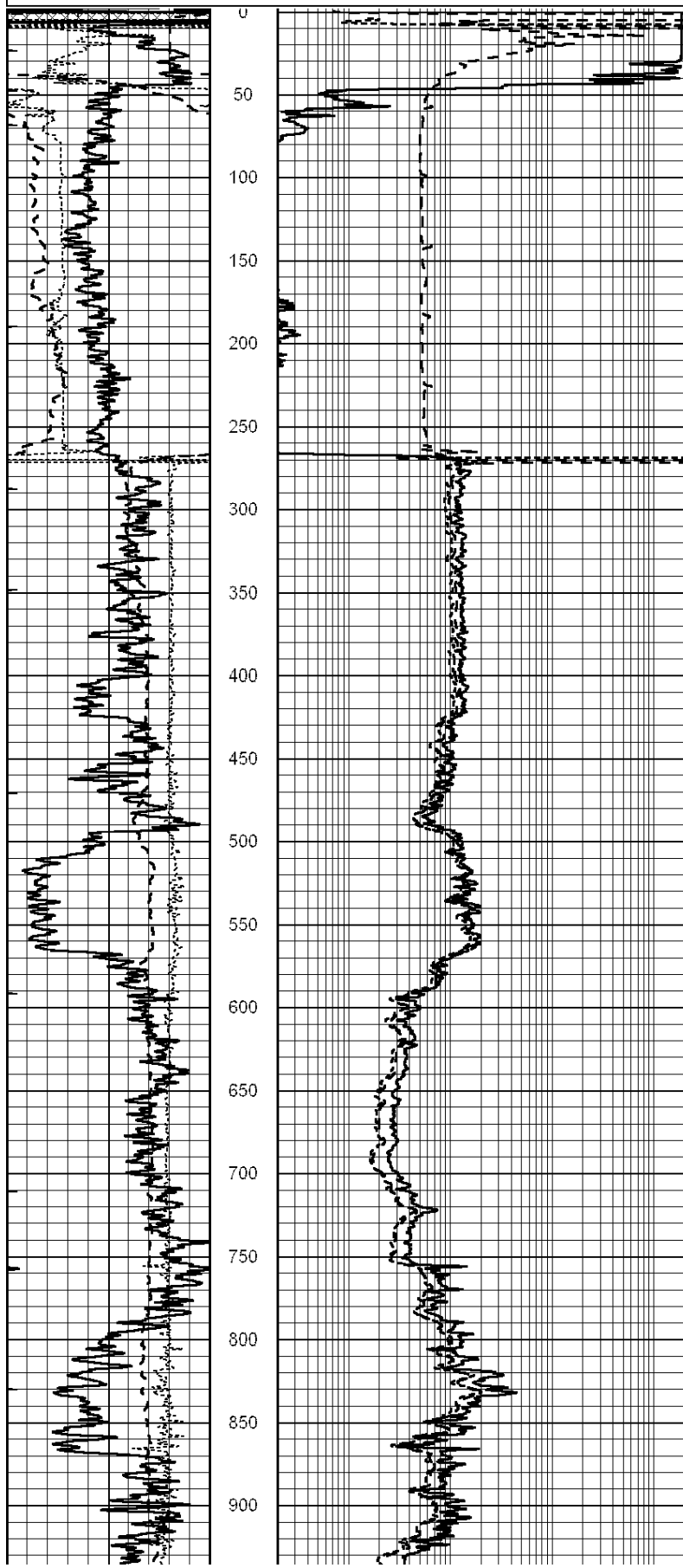


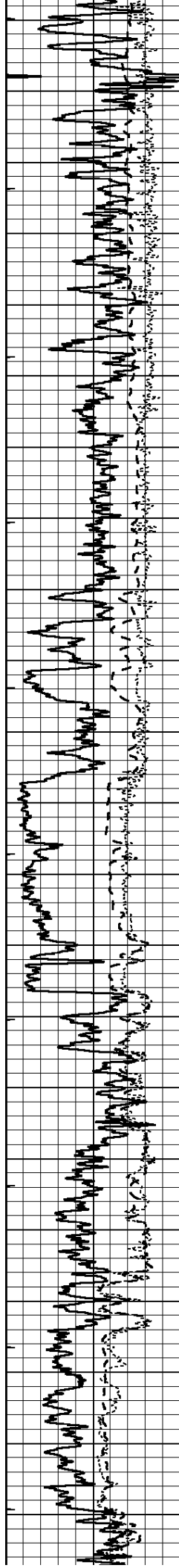
MAIN SECTION

Database File: 25908pe.db
Dataset Pathname: pass3.4

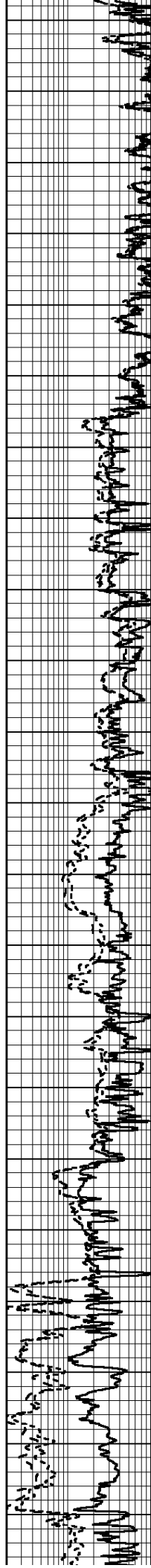
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Dataset Creation: Wed Nov 05 07:55:04 2014
Charted by: Depth in Feet scaled 1:1200

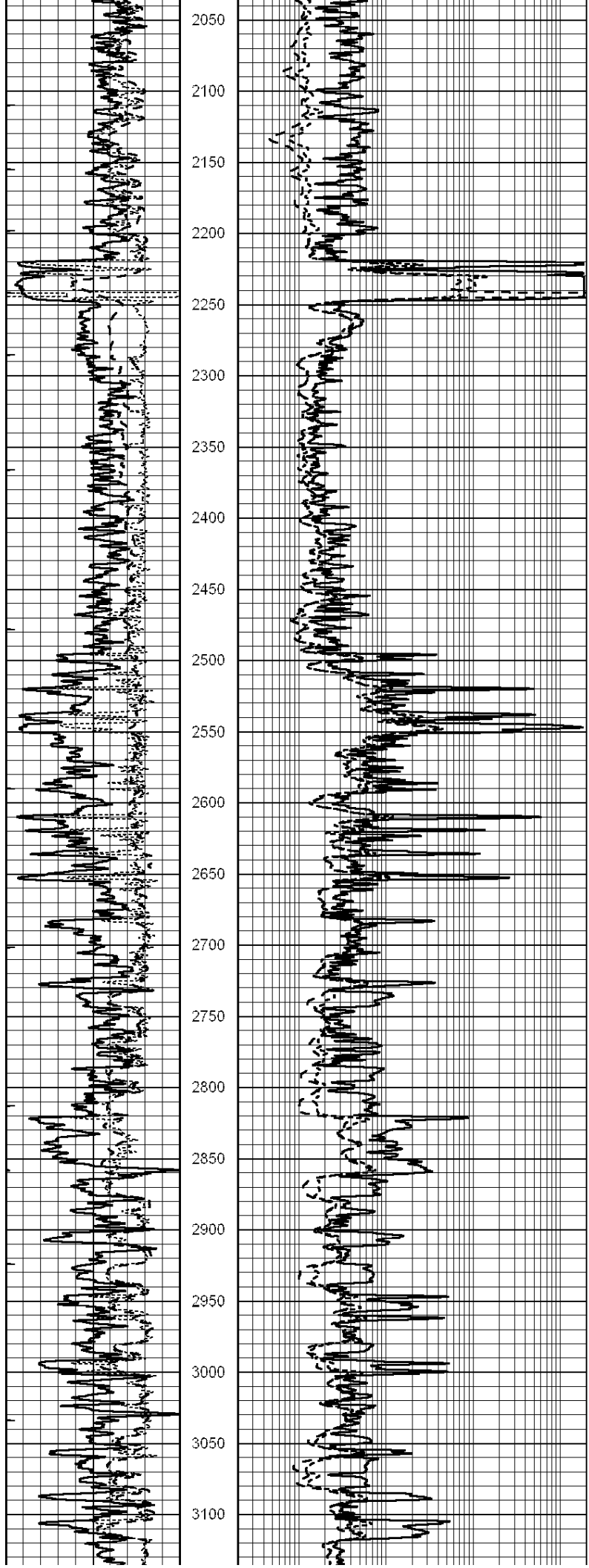
GAMMA RAY			0.2	SHALLOW GUARD (Ohm-m)	2000
0	(GAPI)	150	0.2	DEEP INDUCTION (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50			
0	MINMK	20			

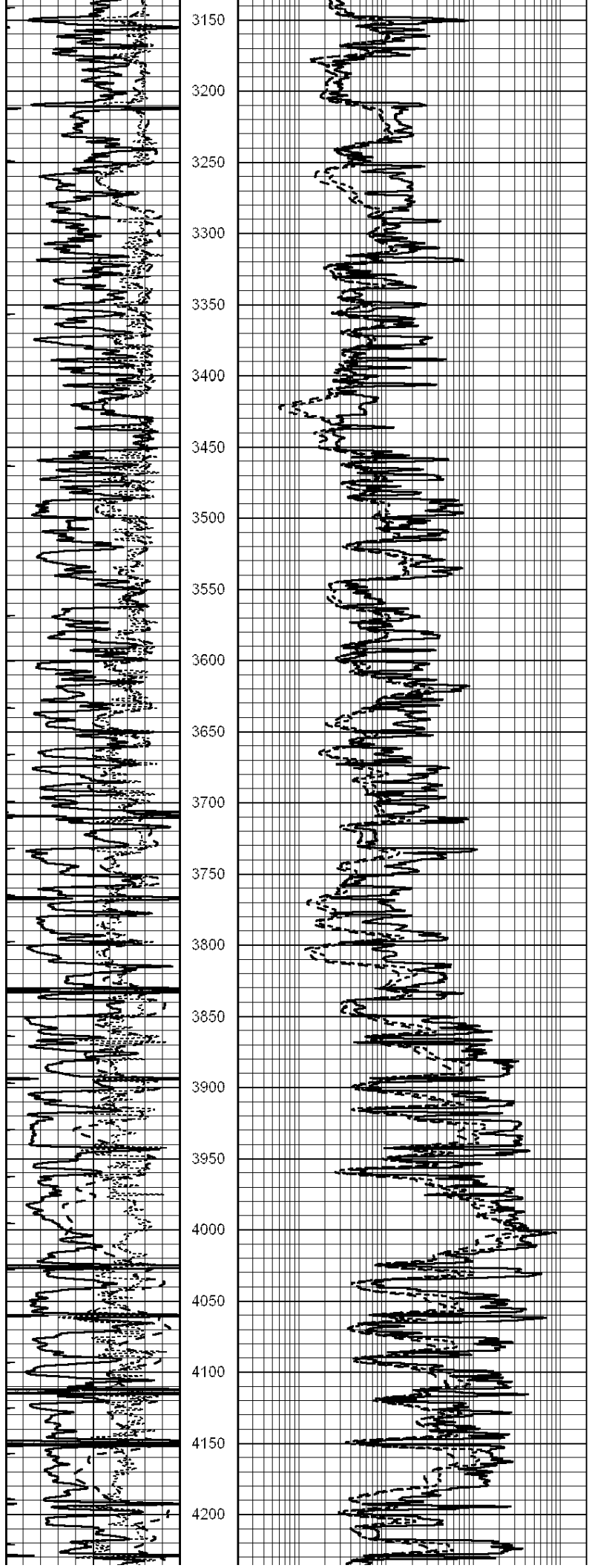


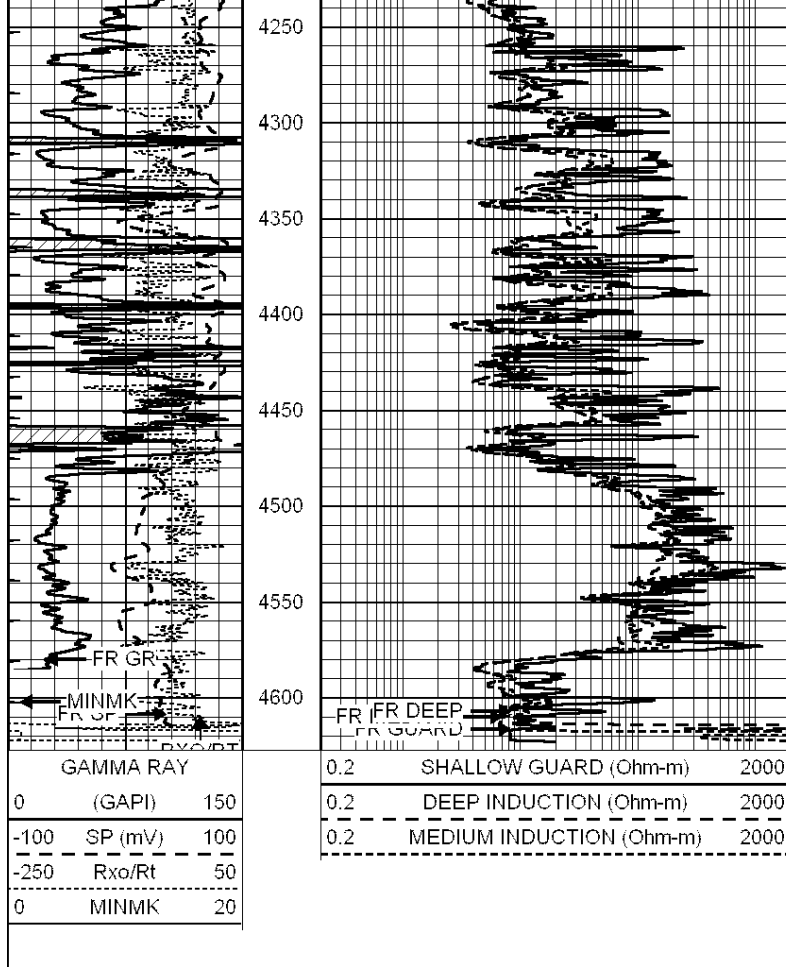


950
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
1850
1900
1950
2000









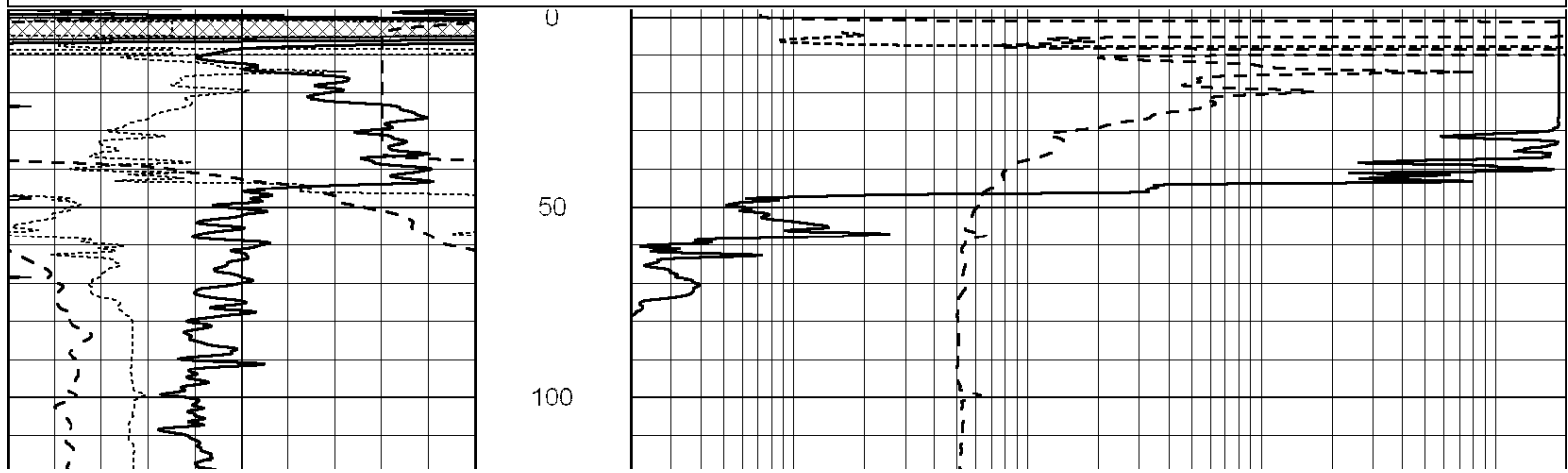


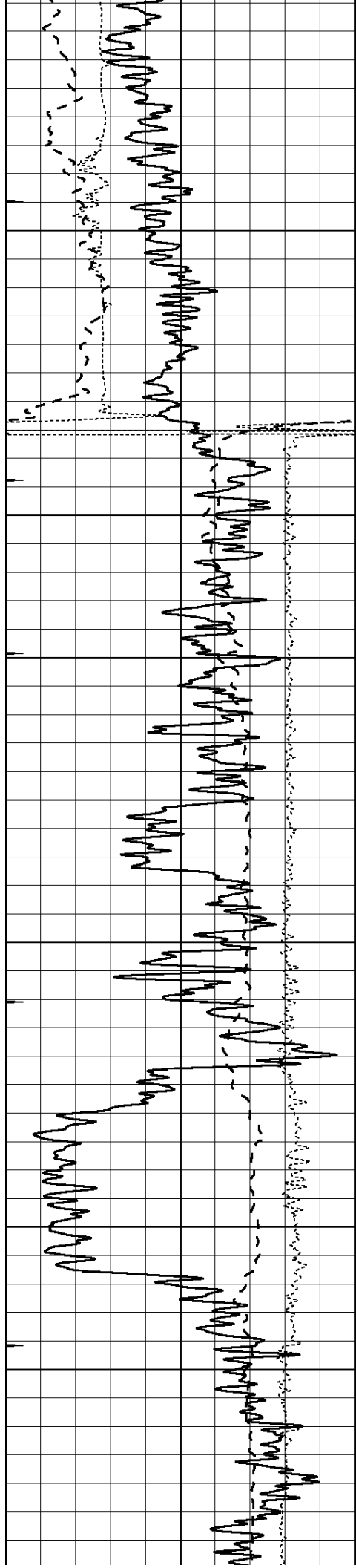
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SERVICES CO.

MAIN SECTION

Database File: 25908pe.db
 Dataset Pathname: pass3.4
 Presentation Format: _dil
 Dataset Creation: Wed Nov 05 07:55:04 2014
 Charted by: Depth in Feet scaled 1:600

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-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





150

200

250

300

350

400

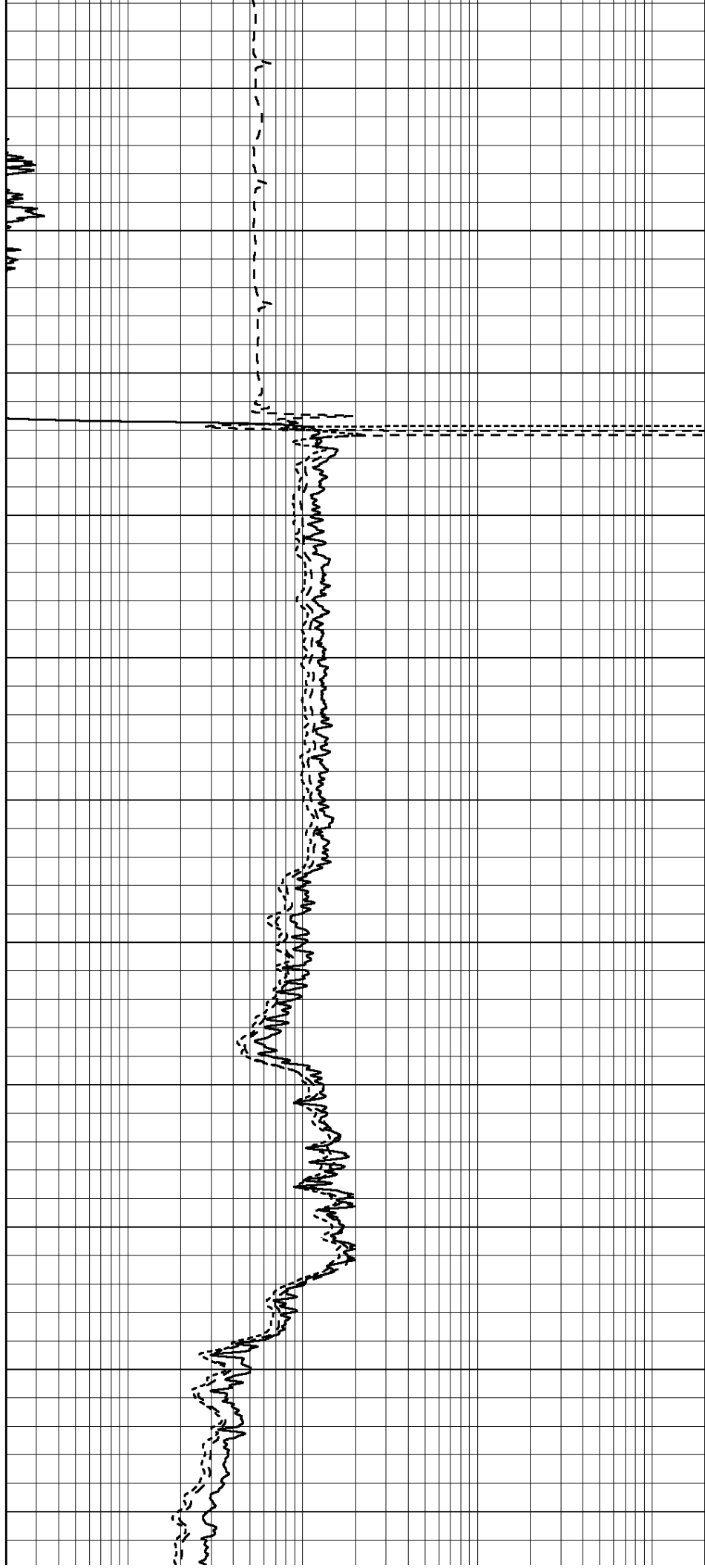
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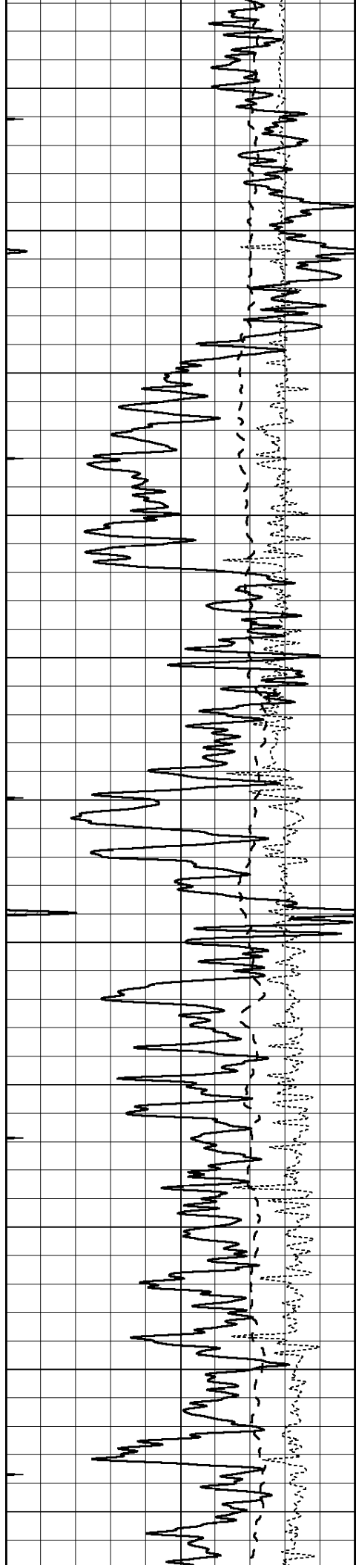
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600

650





700

750

800

850

900

950

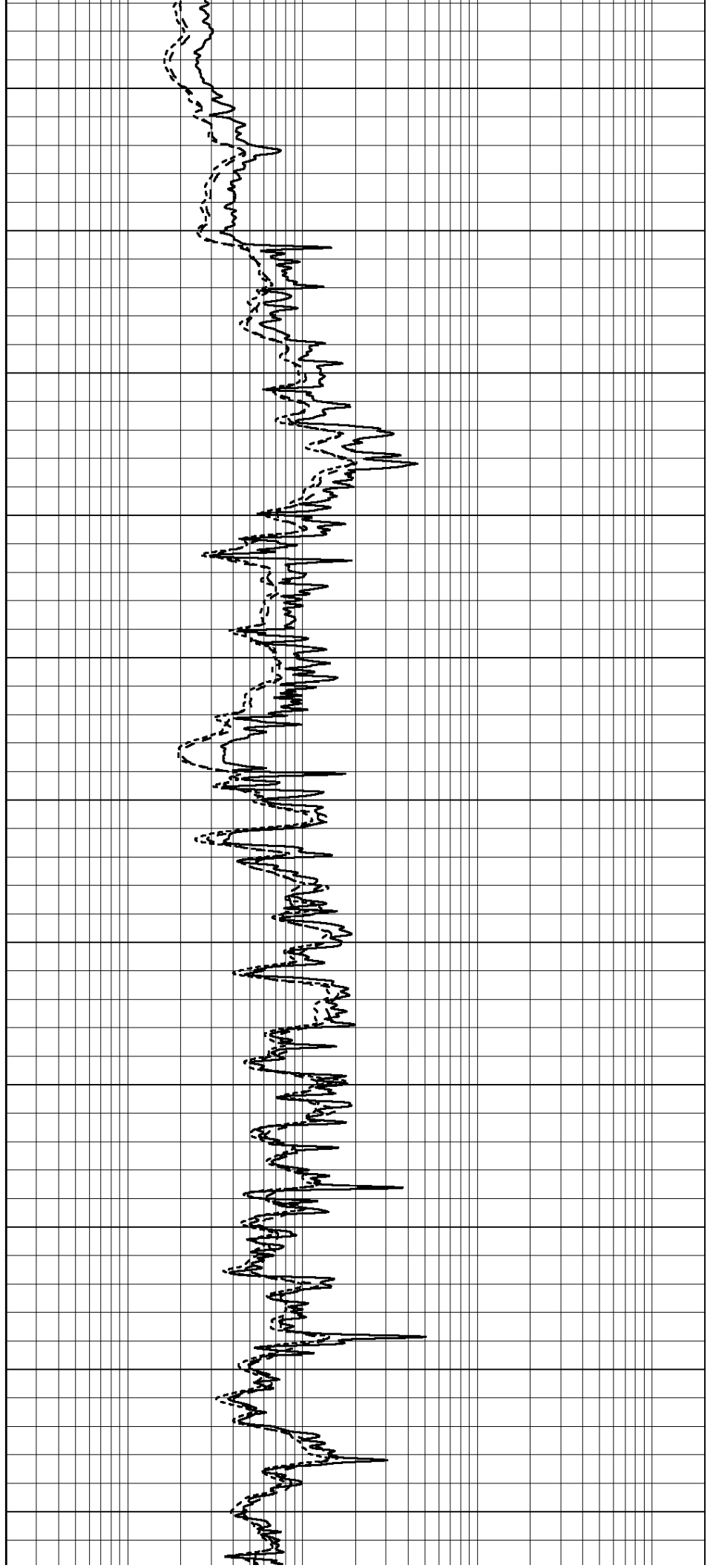
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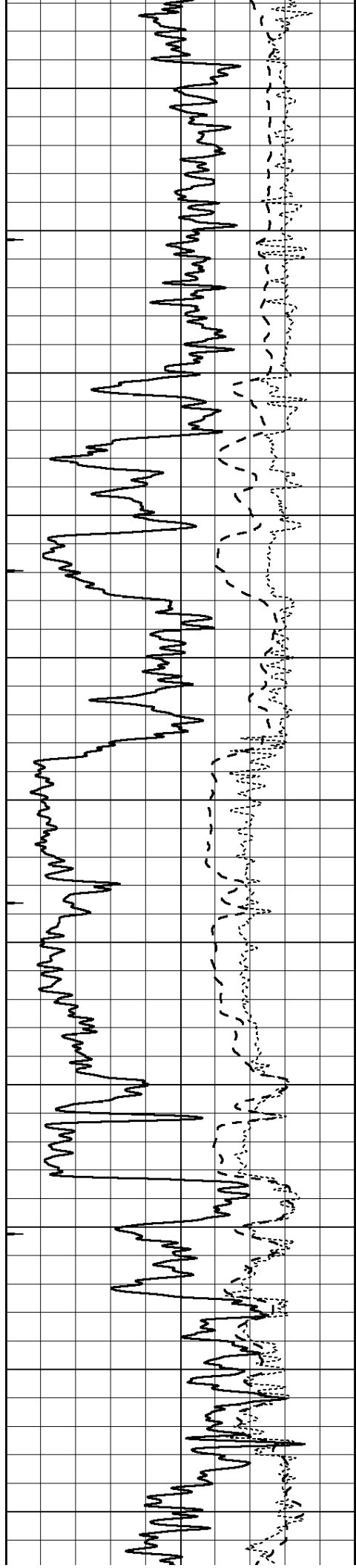
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1250

1300

1350

1400

1450

1500

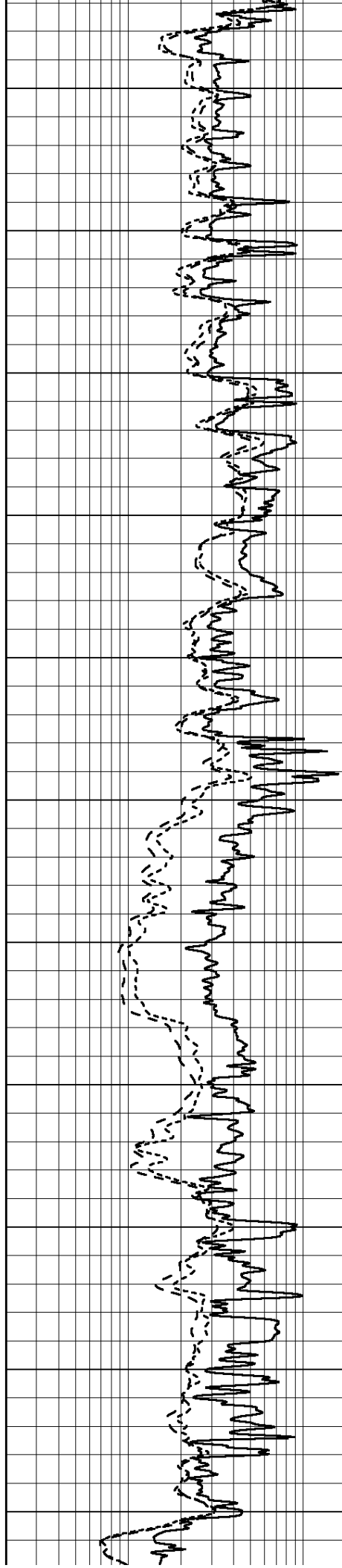
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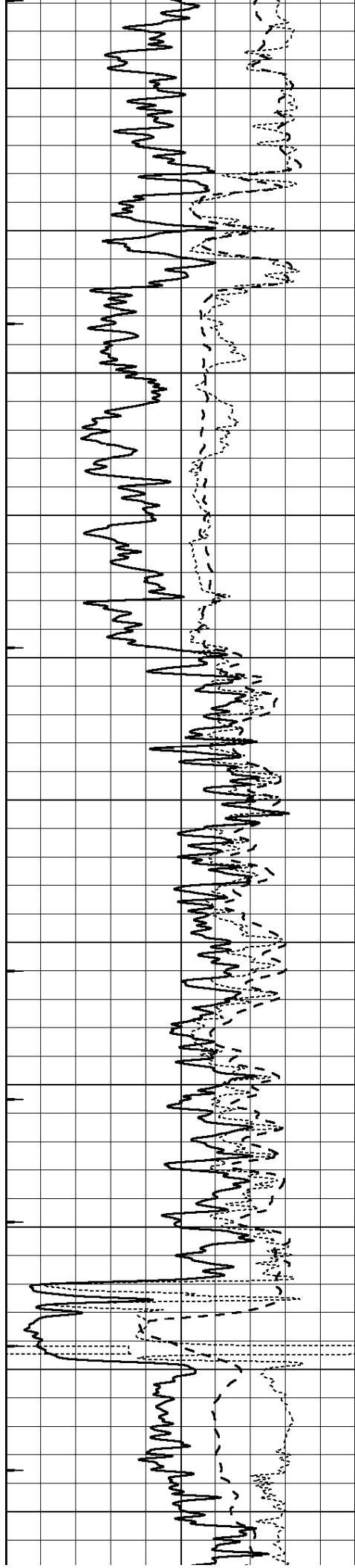
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1750





1800

1850

1900

1950

2000

2050

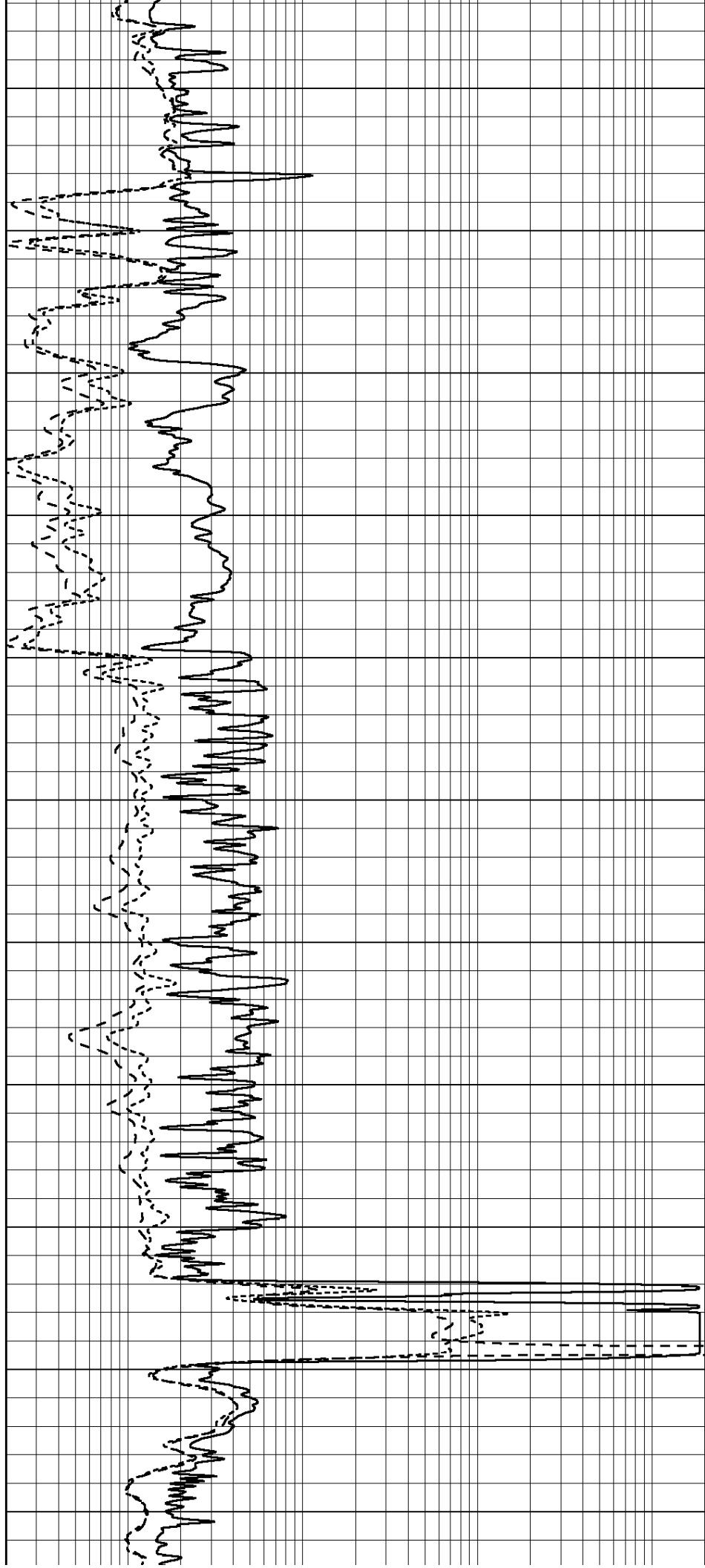
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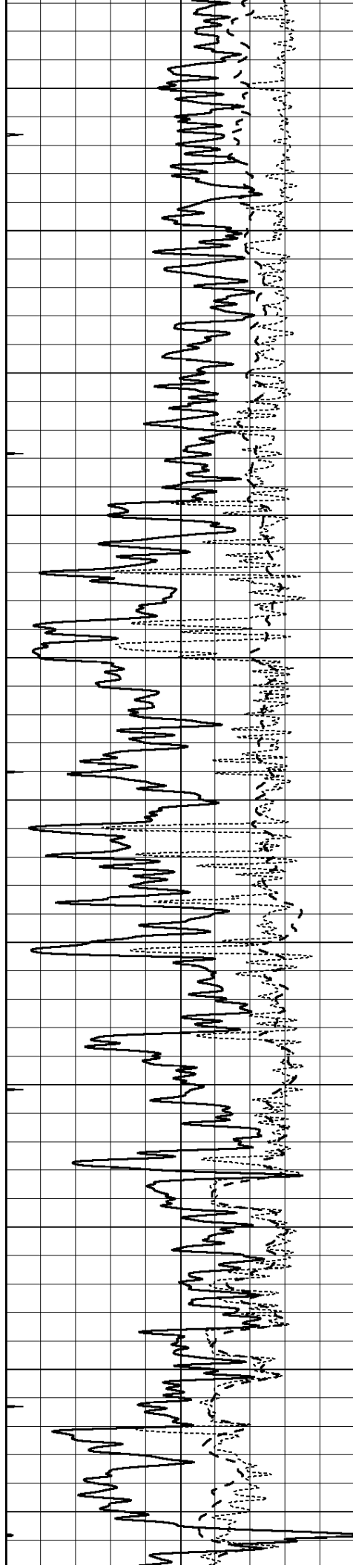
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2200

2250

2300





2350

2400

2450

2500

2550

2600

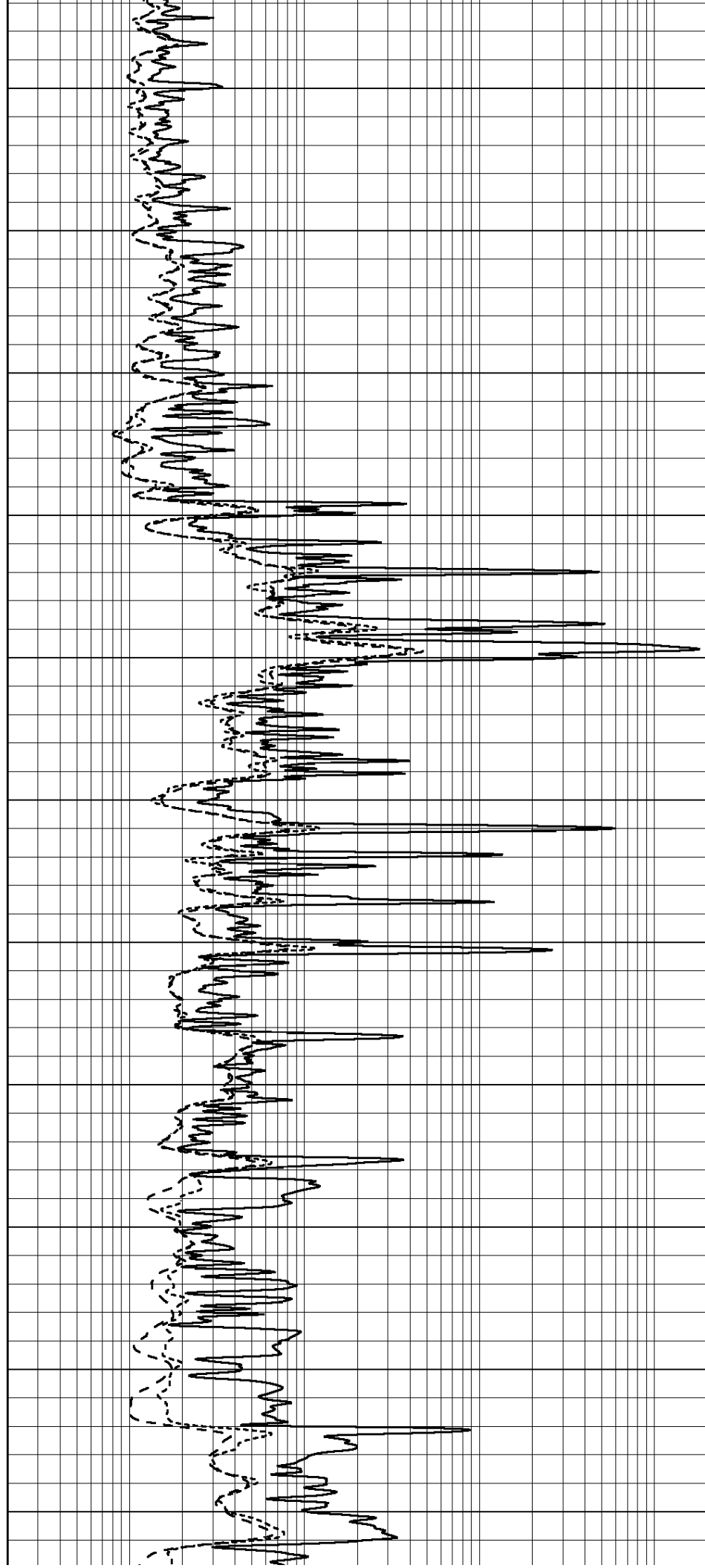
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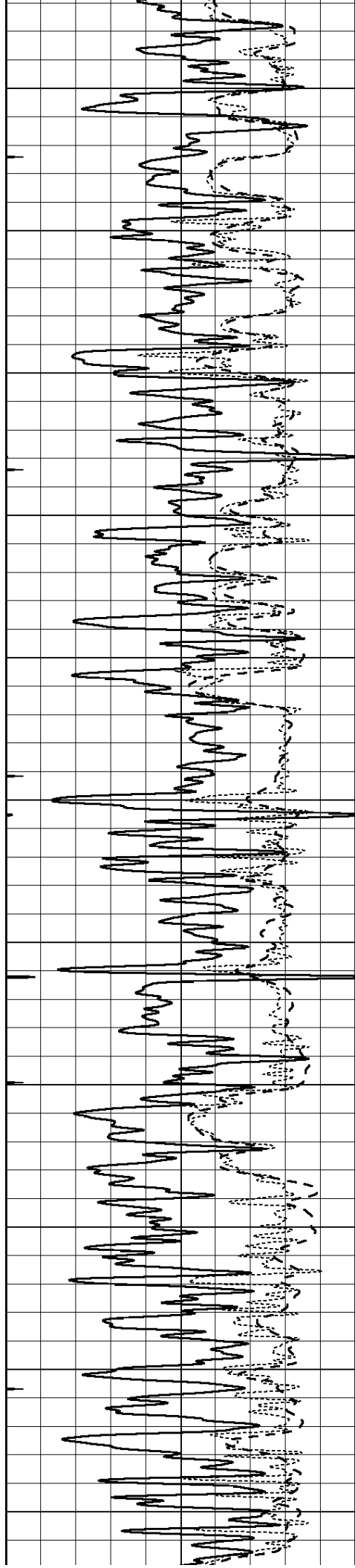
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2750

2800

2850





2900

2950

3000

3050

3100

3150

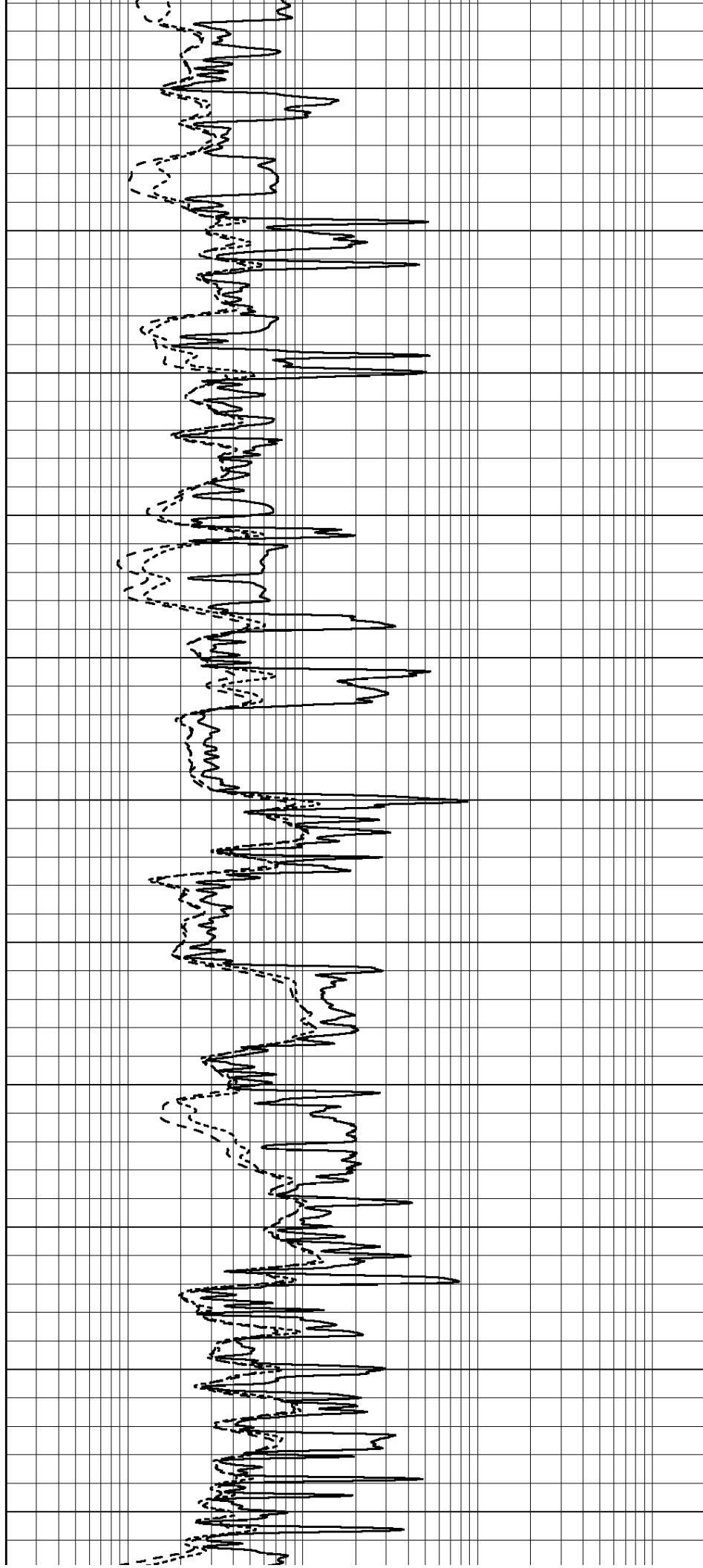
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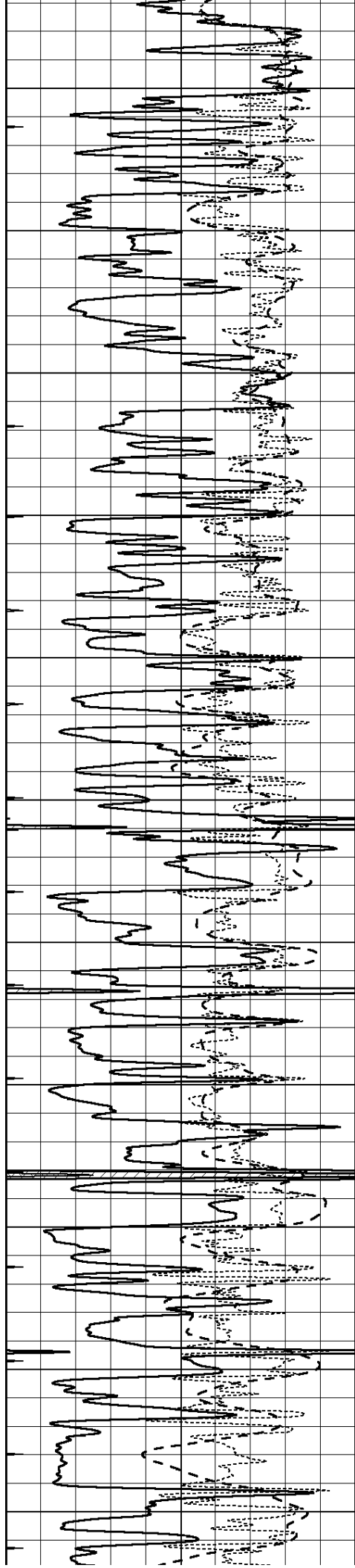
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3300

3350

3400





3450

3500

3550

3600

3650

3700

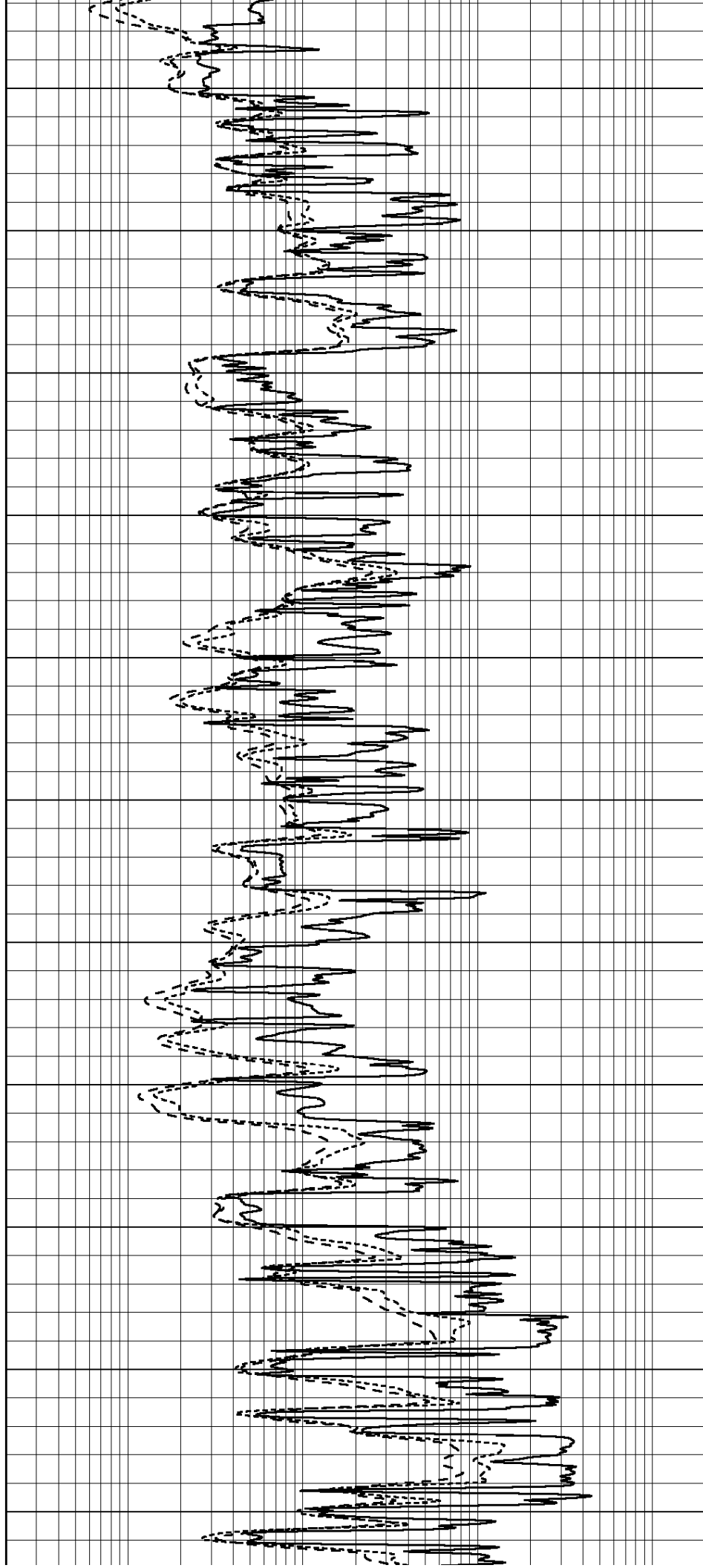
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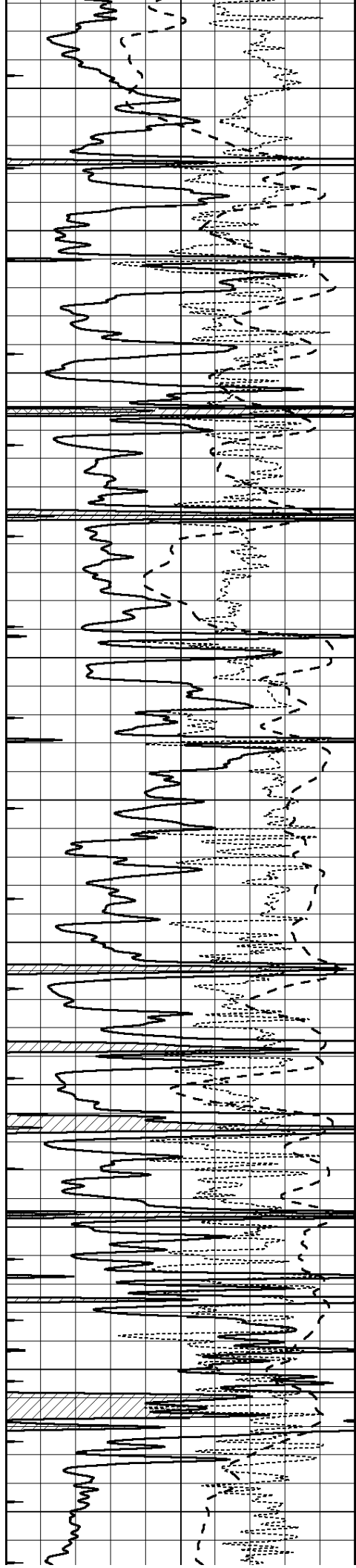
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3950





4000

4050

4100

4150

4200

4250

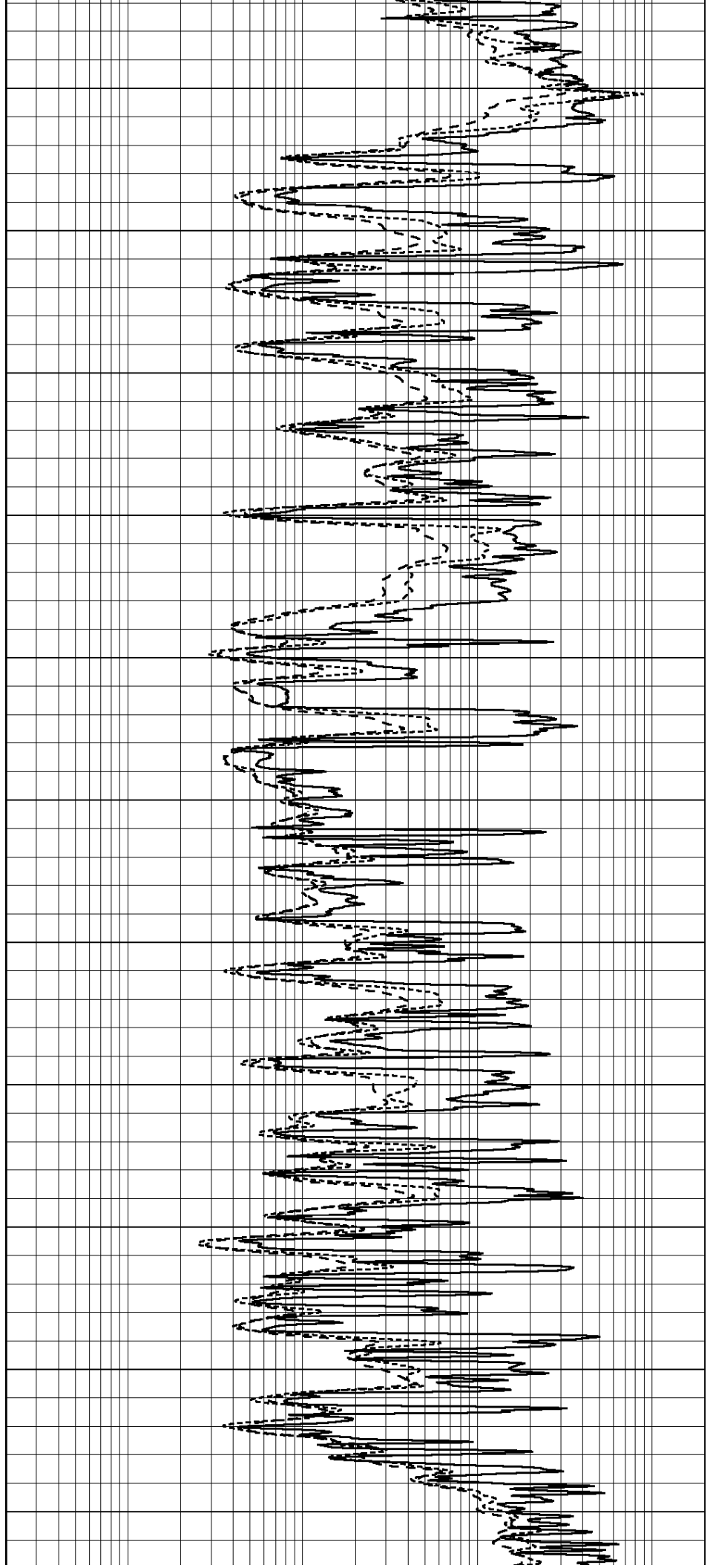
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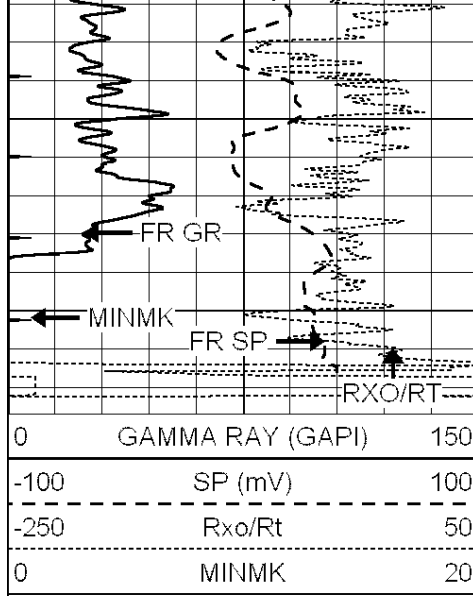
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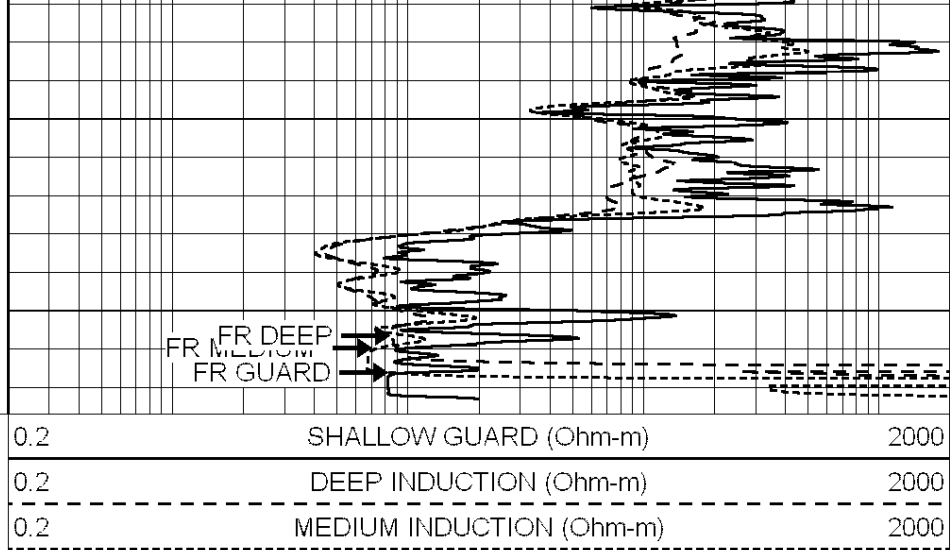
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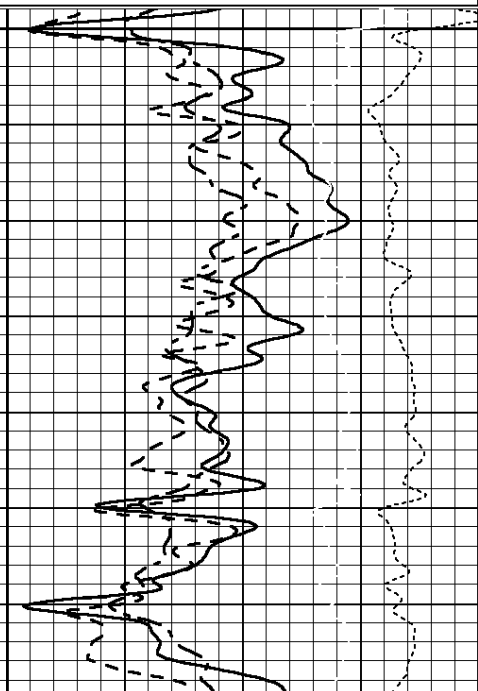
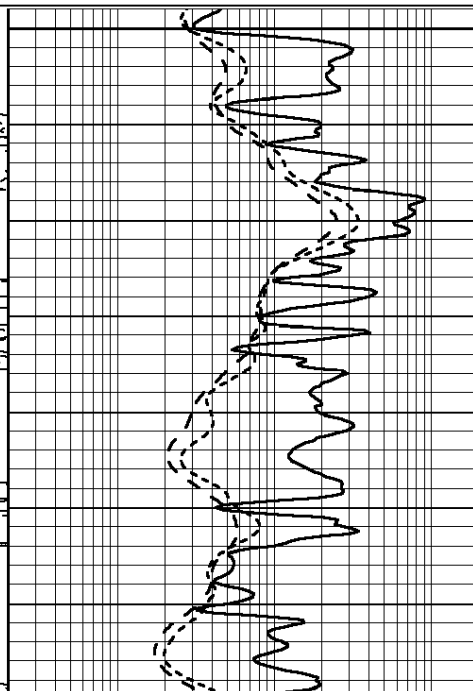
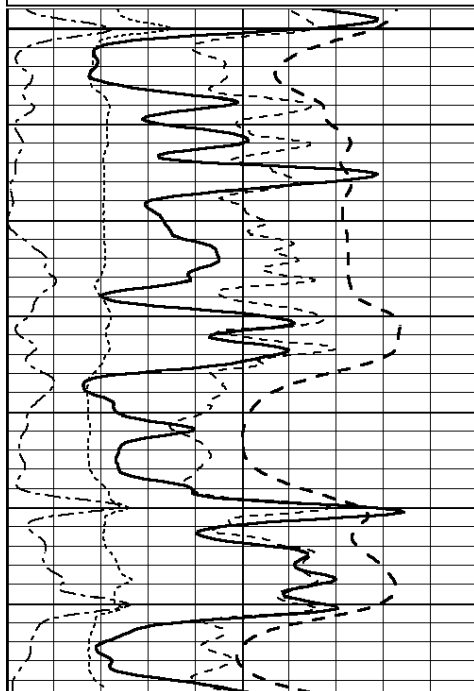


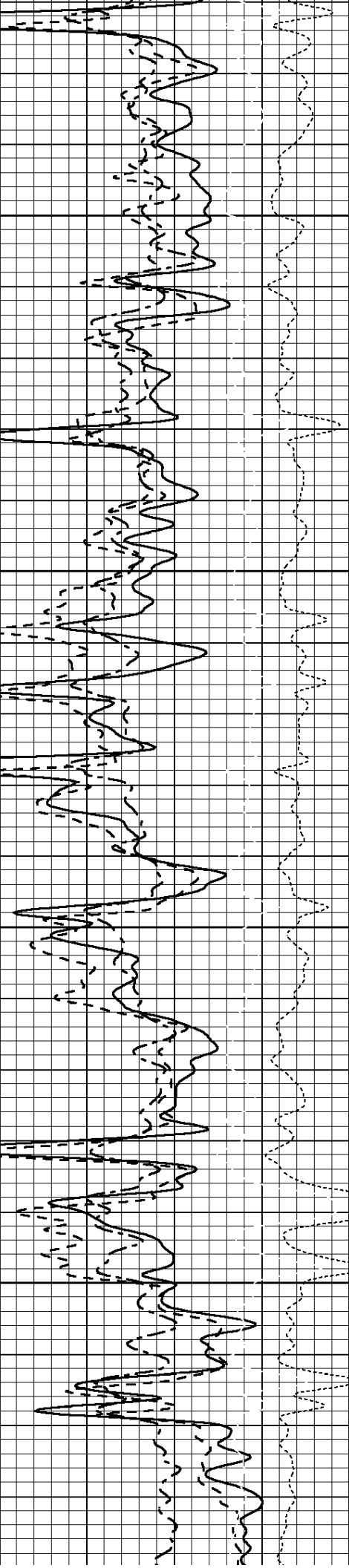
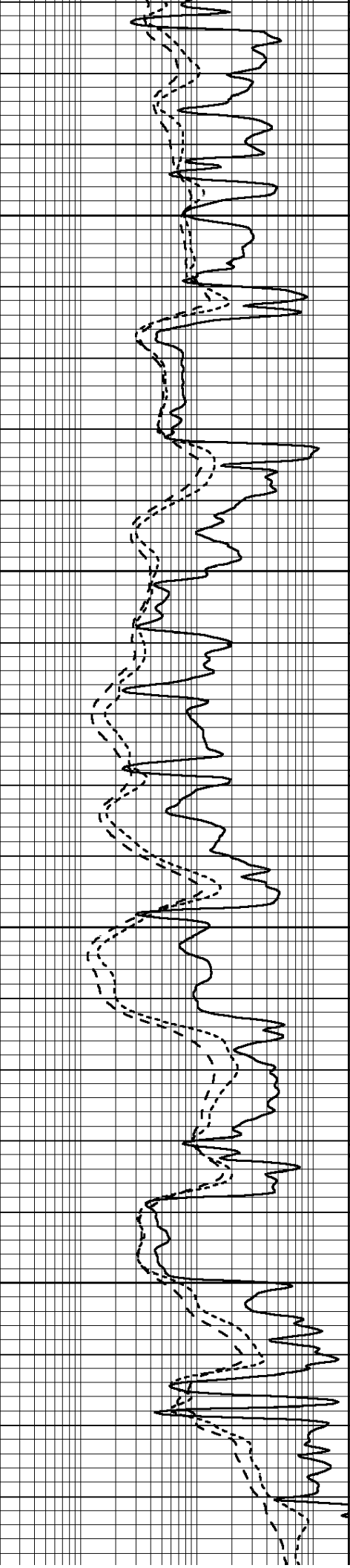
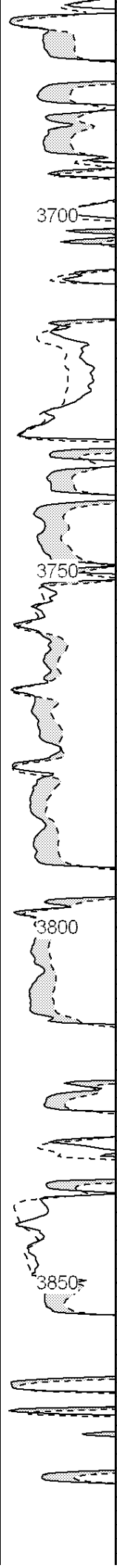
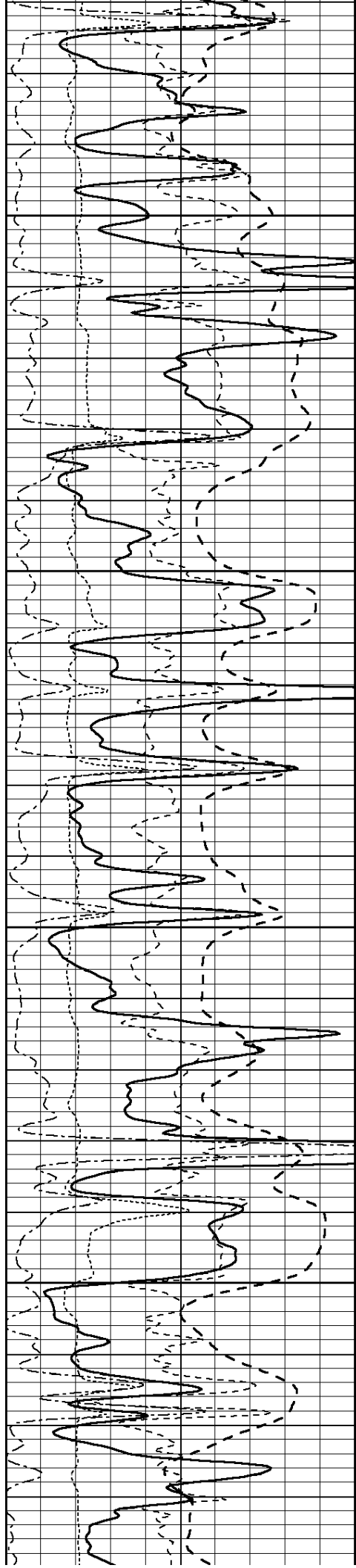
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SERVICES CO.

MAIN SECTION

Database File: 25908pe.db
 Dataset Pathname: pass3.4L
 Presentation Format: obrcomp
 Dataset Creation: Wed Nov 05 10:23:19 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	MEL15	0.2	Deep Resistivity (Ohm-m)	200	30	CN Porosity (pu)	-10
-100	SP (mV)	100	(Ohm-m)	0.2	Medium Resistivity (Ohm-m)	200	30	Density Porosity (pu)	-10
-200	RxoRt	100	0 20	0.2	Shallow Resistivity (Ohm-m)	200	0	PE	10
6	DCAL (in)	16	MEL20					RHOC	
6	MELCAL (Ohm-m)	16	(Ohm-m)					-0.25 (g/cc)	0.25
0	RWA (Ohm-m)	1	0 20						



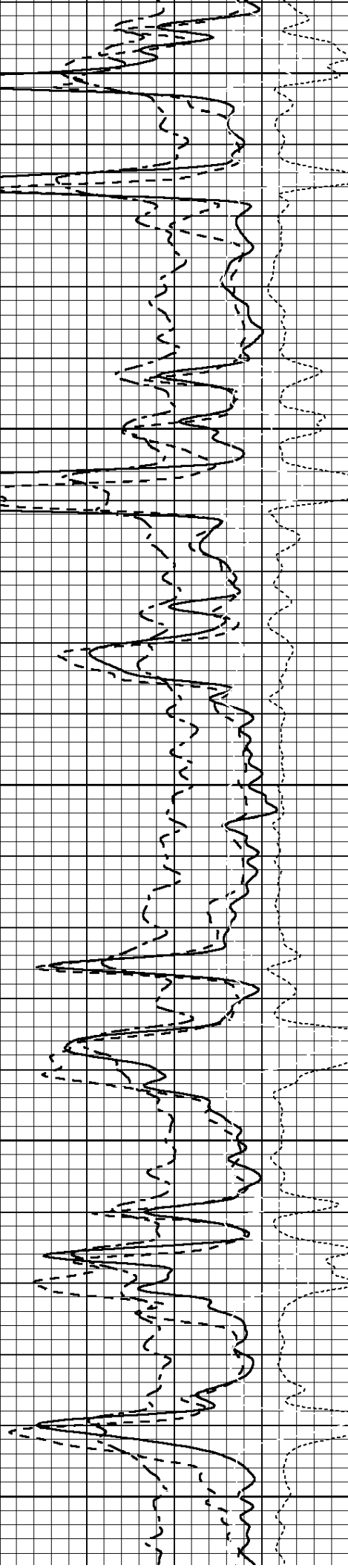
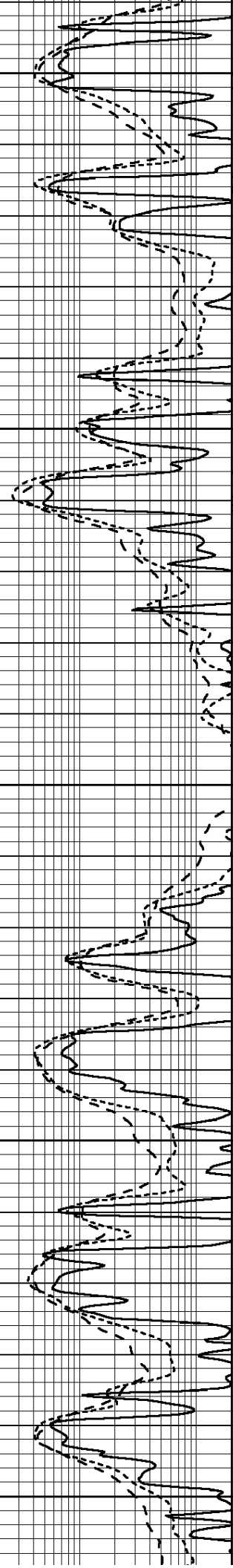
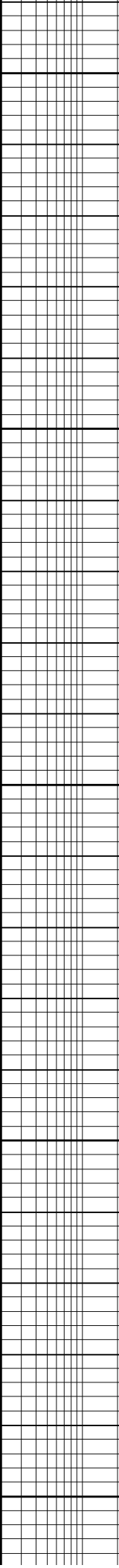
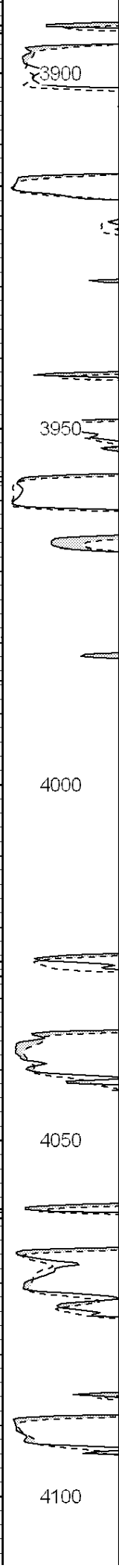
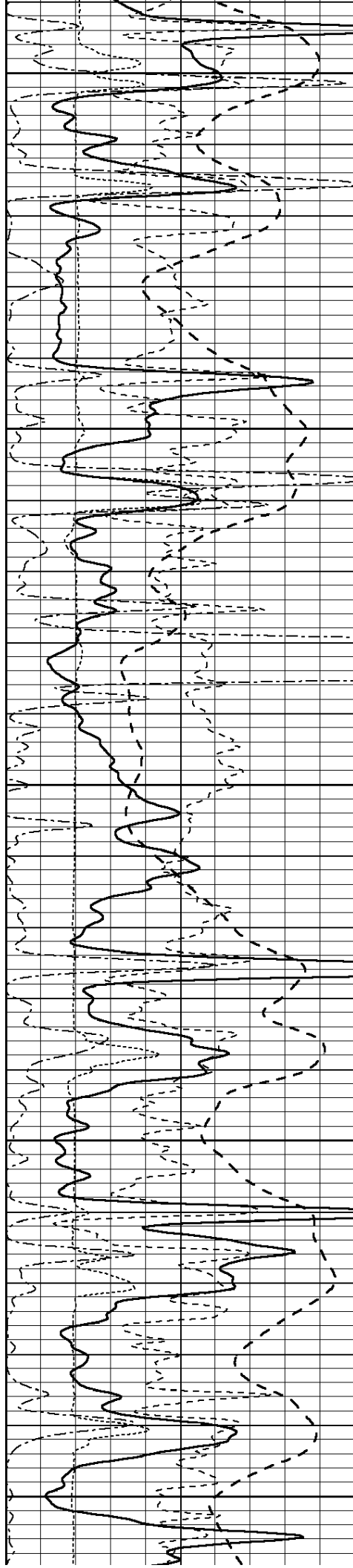


3700

3750

3800

3850



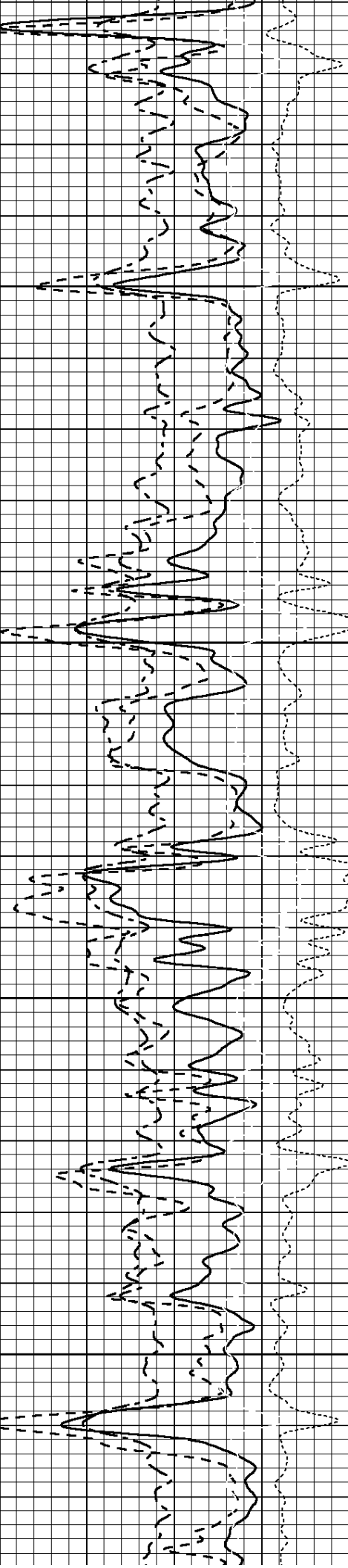
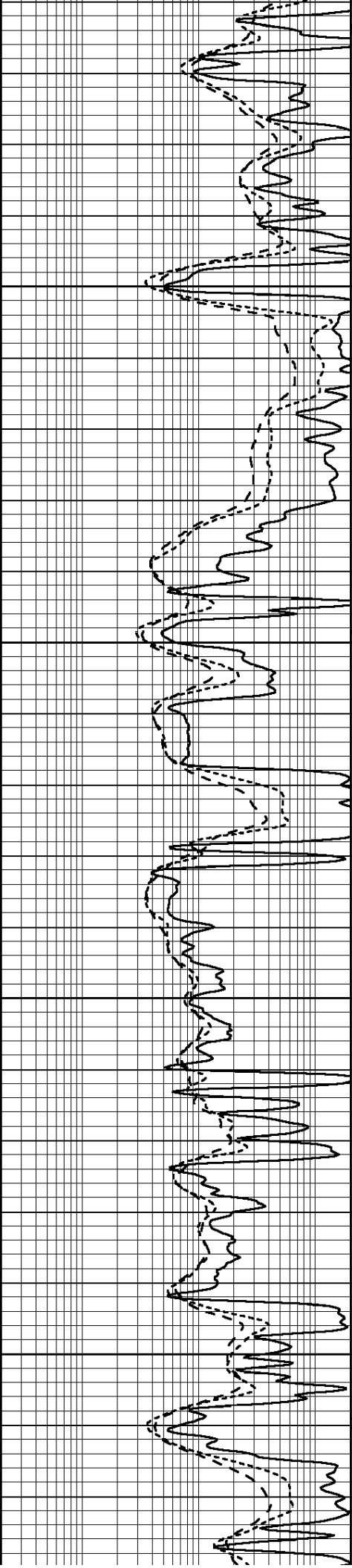
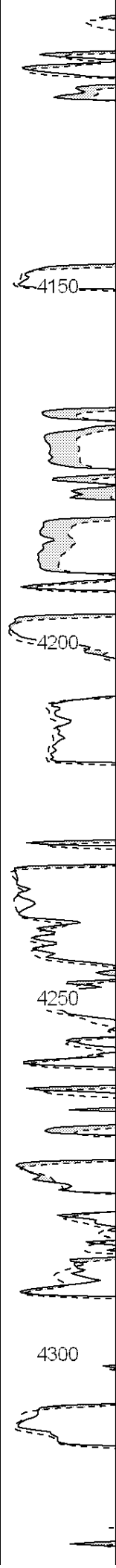
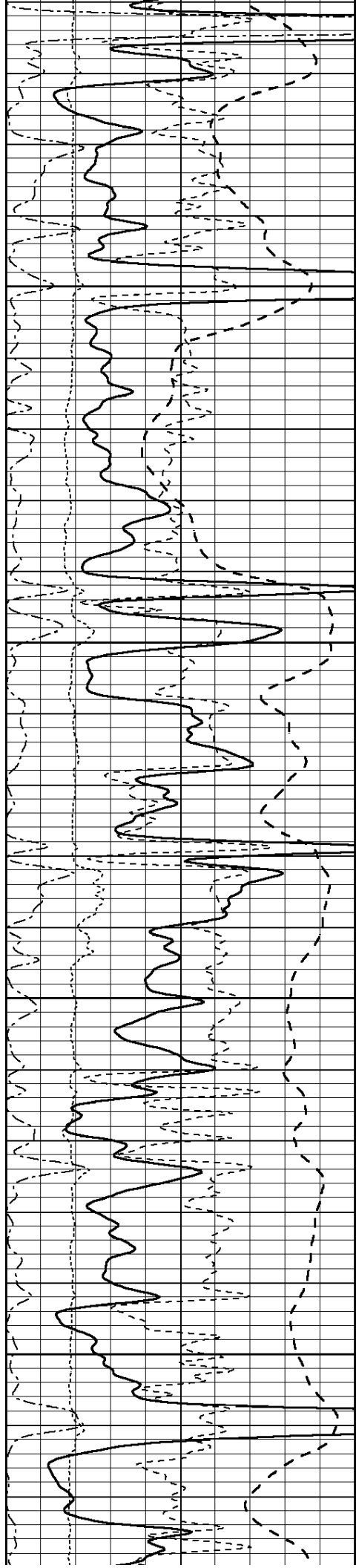
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3950

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4050

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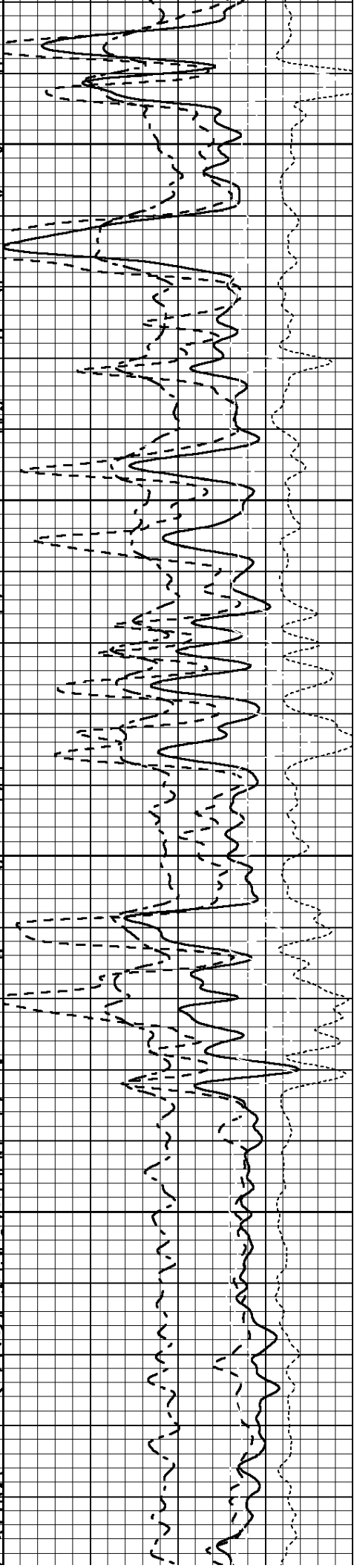
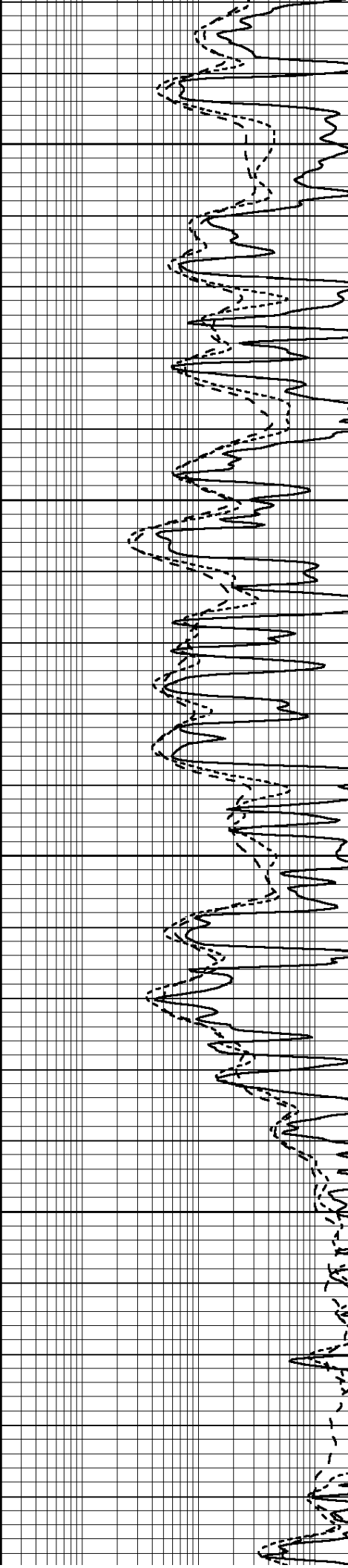
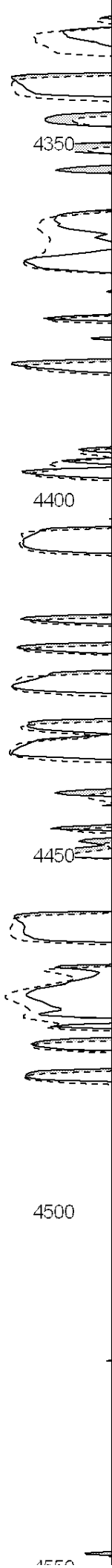
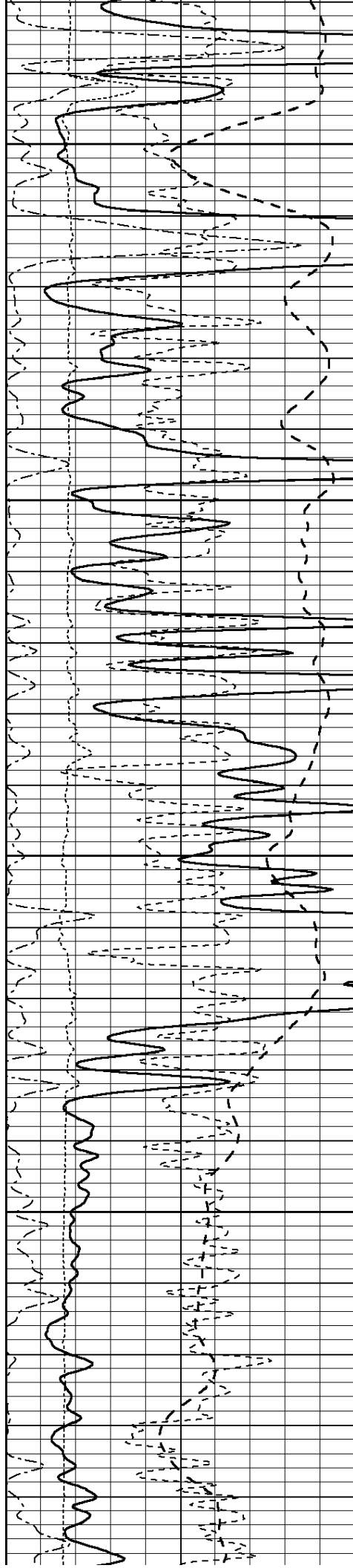


4150

4200

4250

4300



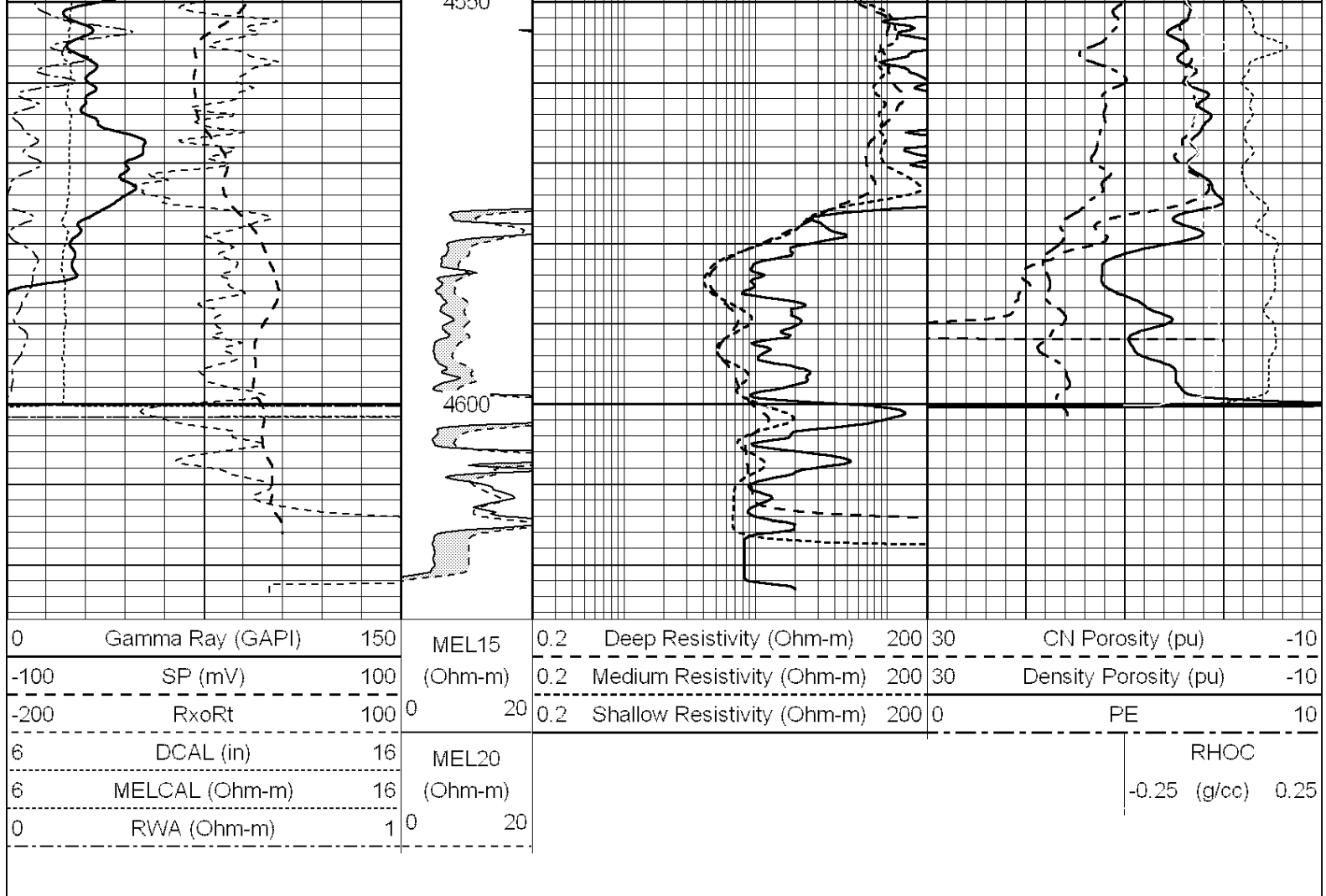
4350

4400

4450

4500

4550



Calibration Report

Database File: 25908pe.db
Dataset Pathname: pass3.4
Dataset Creation: Wed Nov 05 07:55:04 2014

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
Surface Cal Performed: Wed Nov 05 06:16:07 2014
Downhole Cal Performed: Mon Jul 28 12:02:56 2008
After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	670.000	-11.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	670.000	-21.000
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	4000.000	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: 004N			Model: PRB					

Master Calibration					Performed Fri May 30 11:01:00 2014			
	Background	Magnesium	Aluminum	Sandstone				
Window 1	1378.8	10804.6	3492.0	12453.4				cps
Window 2	1262.4	9313.5	3076.7	10594.7				cps
Window 3	1077.6	5668.7	2076.0	6314.8				cps
Window 4	306.4	313.0	306.4	315.6				cps
Long Space	0.0	8051.0	1814.3	9332.3				cps
Short Space	1.9	1706.1	1146.0	1707.6				cps
Rho		1.7100	2.5900	1.3800				g/cc
Pe		0.0000	2.5700	1.5500				
Rib Angle	: 45.0	Rib Slope	: 1.002	Density/Spine Ratio				: 0.571
Spine Angle	: 75.0	Spine Slope	: 3.745	Spine Intercept				: -18.9

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho		0.0000	0.0000	0.0000				g/cc
Measured Correction		0.0000	0.0000	0.0000				g/cc
Measured Pe			0.0000	0.0000				

After Survey Verification					Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho		0.0000	0.0000	0.0000				g/cc
Measured Correction		0.0000	0.0000	0.0000				g/cc
Measured Pe			0.0000	0.0000				

Compensated Neutron Calibration Report								
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Serial Number:			070808					
Tool Model:			Probe					

PRE-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
POST-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
Gamma Ray Calibration Report			
Serial Number:	070558		
Tool Model:	OPEN_GR		
Performed:	Mon Jun 30 21:53:39 2014		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2800	GAPI/cps	