



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company MUSTANG ENERGY CORPORATION		Company MUSTANG ENERGY CORPORATION	
Well BEESLEY #1	Well BEESLEY #1		
Field	Field		
County GOVE	County GOVE		
State KANSAS	State KANSAS		
Location: 2750' FSL & 550' FEL		API # : 15-063-22008-0000	
SEC 24 TWP 14S RGE 29W		Other Services CDL/CNL MEL	
Permanent Datum	GROUND LEVEL	Elevation	2628
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 2636	
Drilling Measured From	KELLY BUSHING	D.F. 2634	
		G.L. 2628	
Date 7/16/12			
Run Number ONE			
Depth Driller 4400			
Depth Logger 4402			
Bottom Logged Interval 4400			
Top Log Interval 00			
Casing Driller 8 5/8" @ 221			
Casing Logger 220			
Bit Size 7 7/8			
Type Fluid in Hole CHEMICAL MUD	CHLORIDES 4000 PPM		
Density / Viscosity 9.3/48			
pH / Fluid Loss 9.0/9.6			
Source of Sample FLOWLINE			
Rim @ Meas. Temp .70 @ 93F			
Rmf @ Meas. Temp .52 @ 93F			
Rmc @ Meas. Temp .84 @ 93F			
Source of Rmf / Rmc MEASURED			
Rim @ BHT .54 @ 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 JEFF LAWLER			

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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
GOVE, KS. - 10 S. TO RD. I - 1 E. - 1/2 N. INTO



SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 009466ddn.db
Dataset Pathname: pass3.2
Presentation Format: _dil2
Dataset Creation: Mon Jul 16 14:19:21 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

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

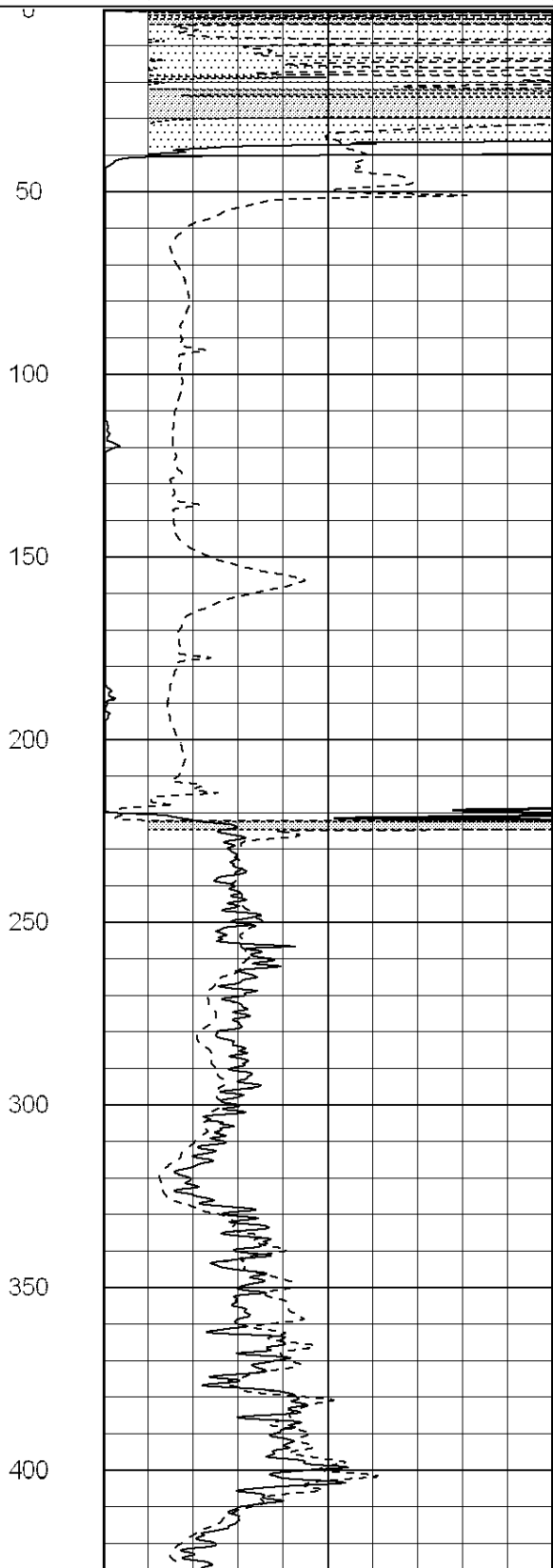
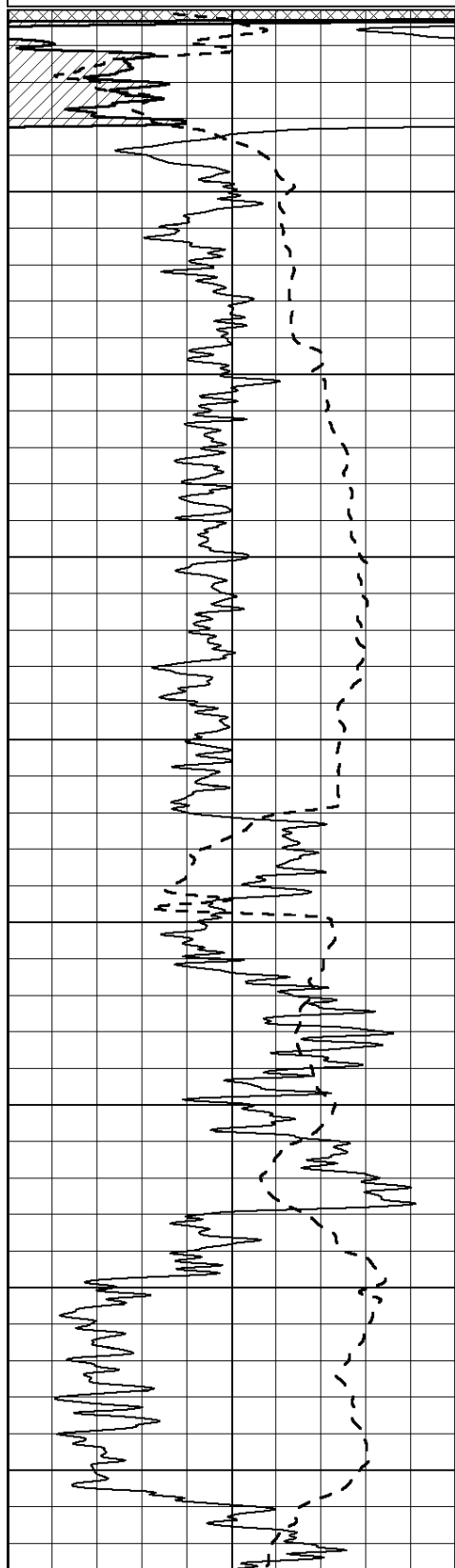
0	RLL3 (Ohm-m)	50
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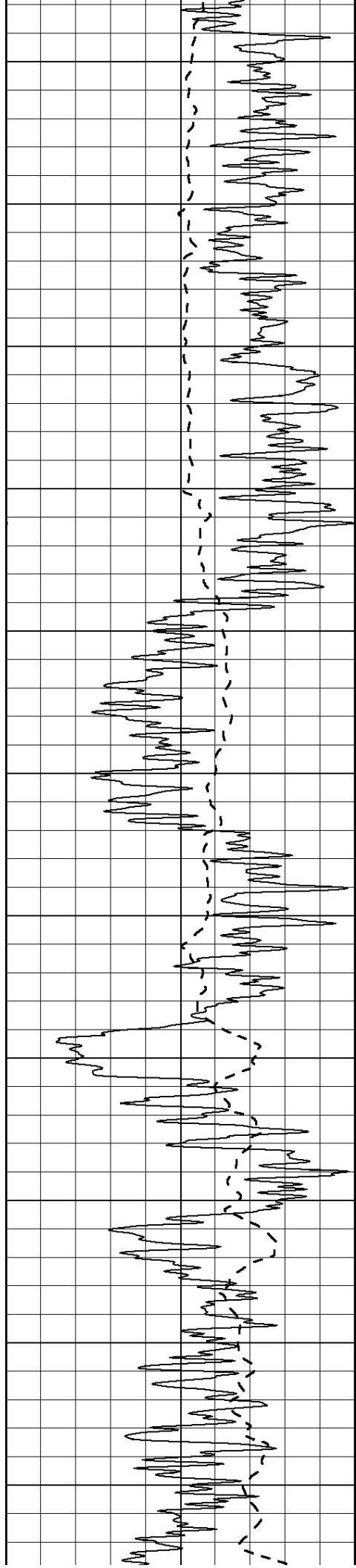
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1000	CILD (mmho/m)	0
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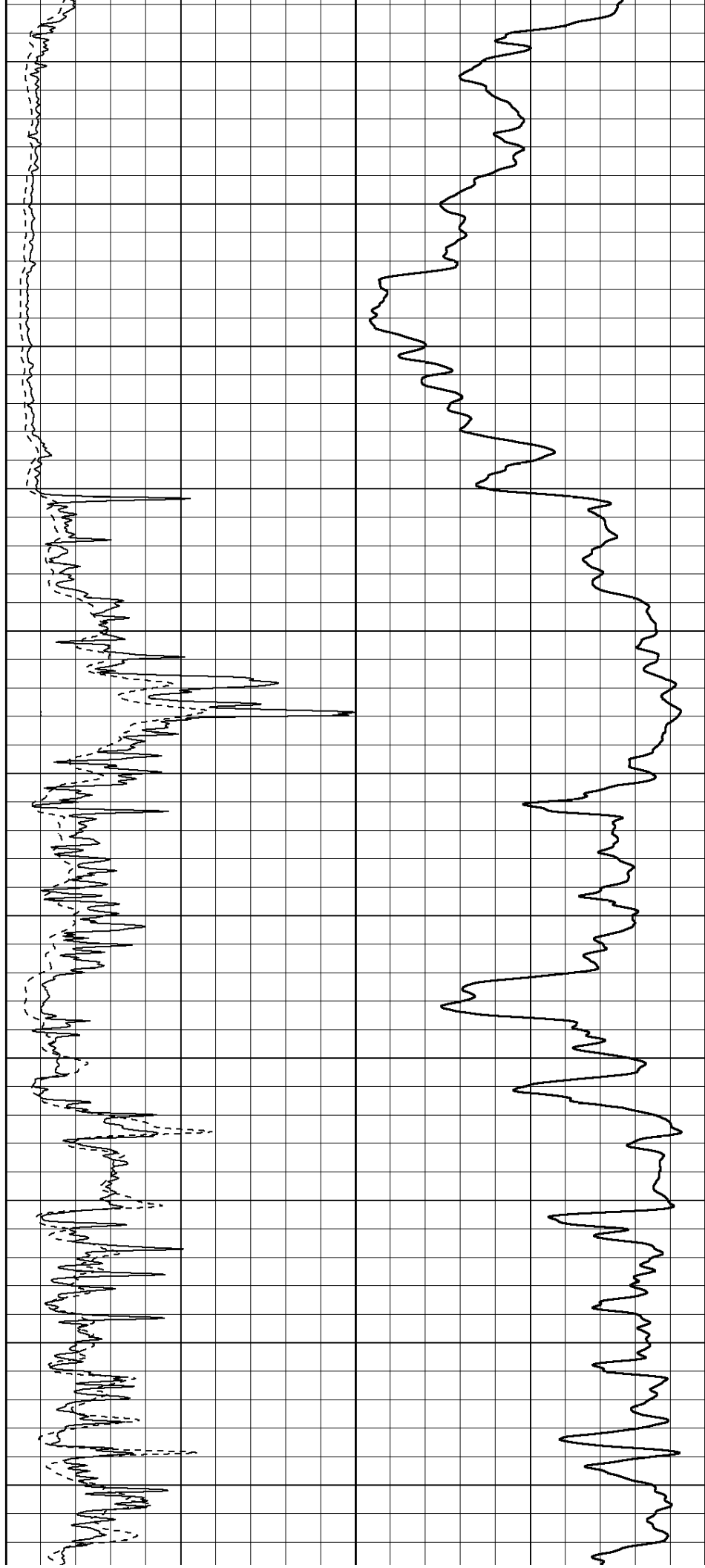
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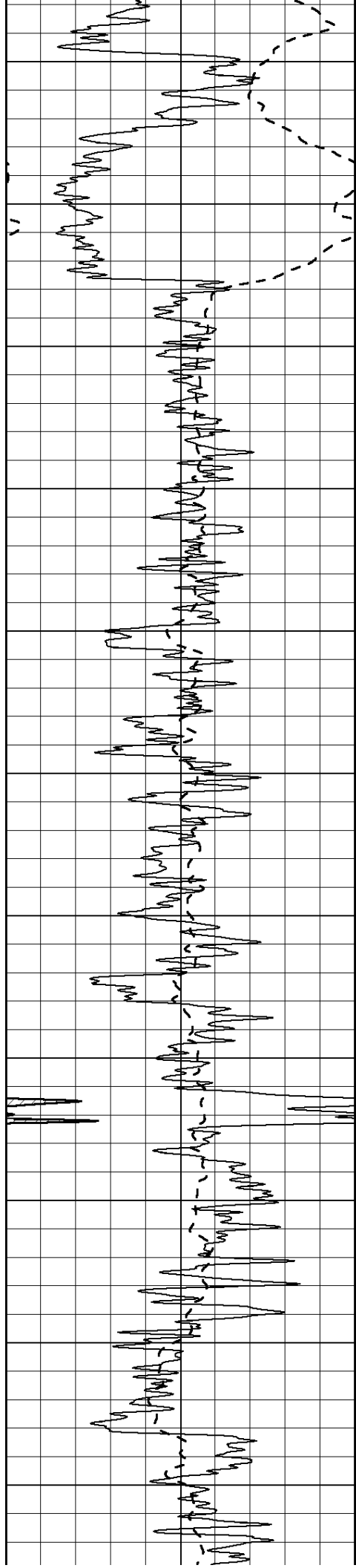
50	RLL3 X10 (Ohm-m)	500
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450
500
550
600
650
700
750
800
850
900
950





1000

1050

1100

1150

1200

1250

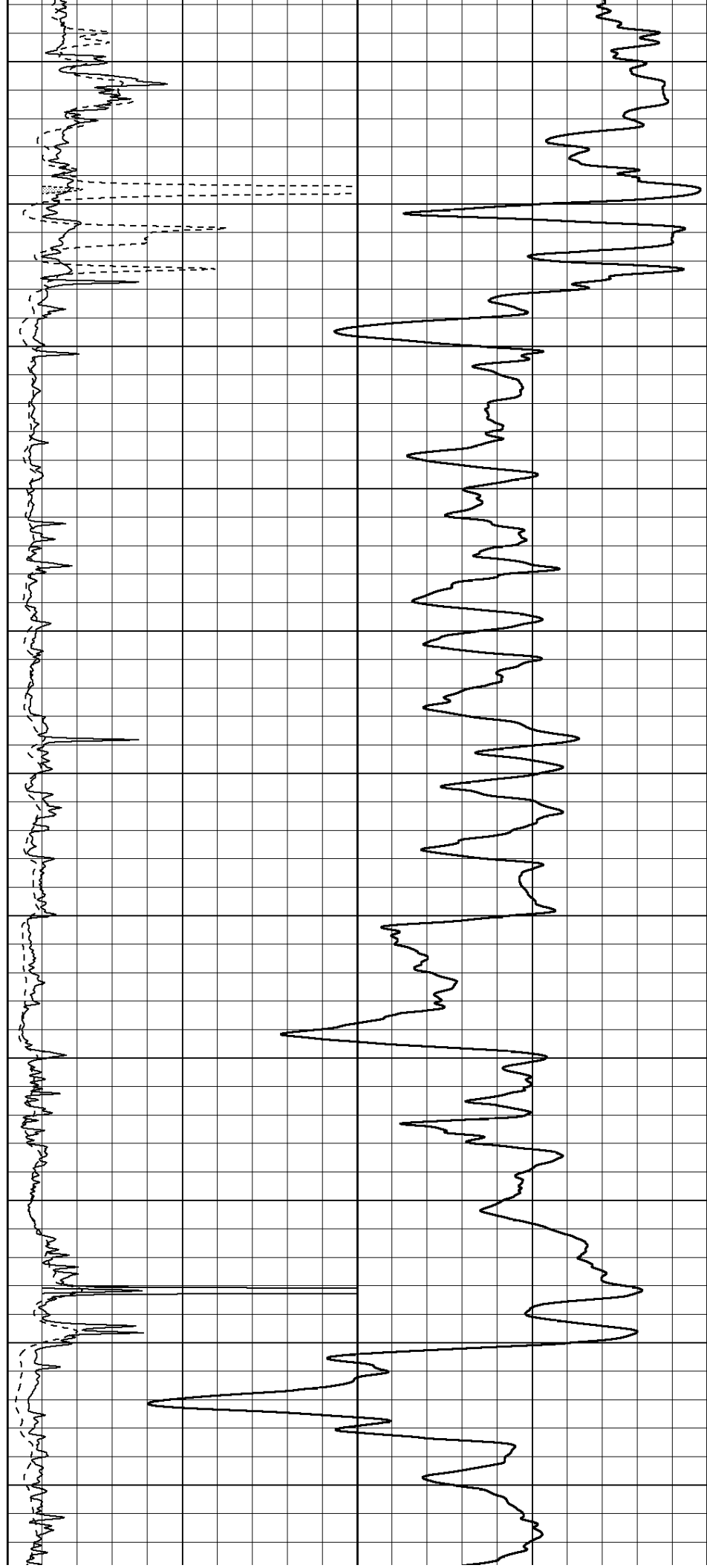
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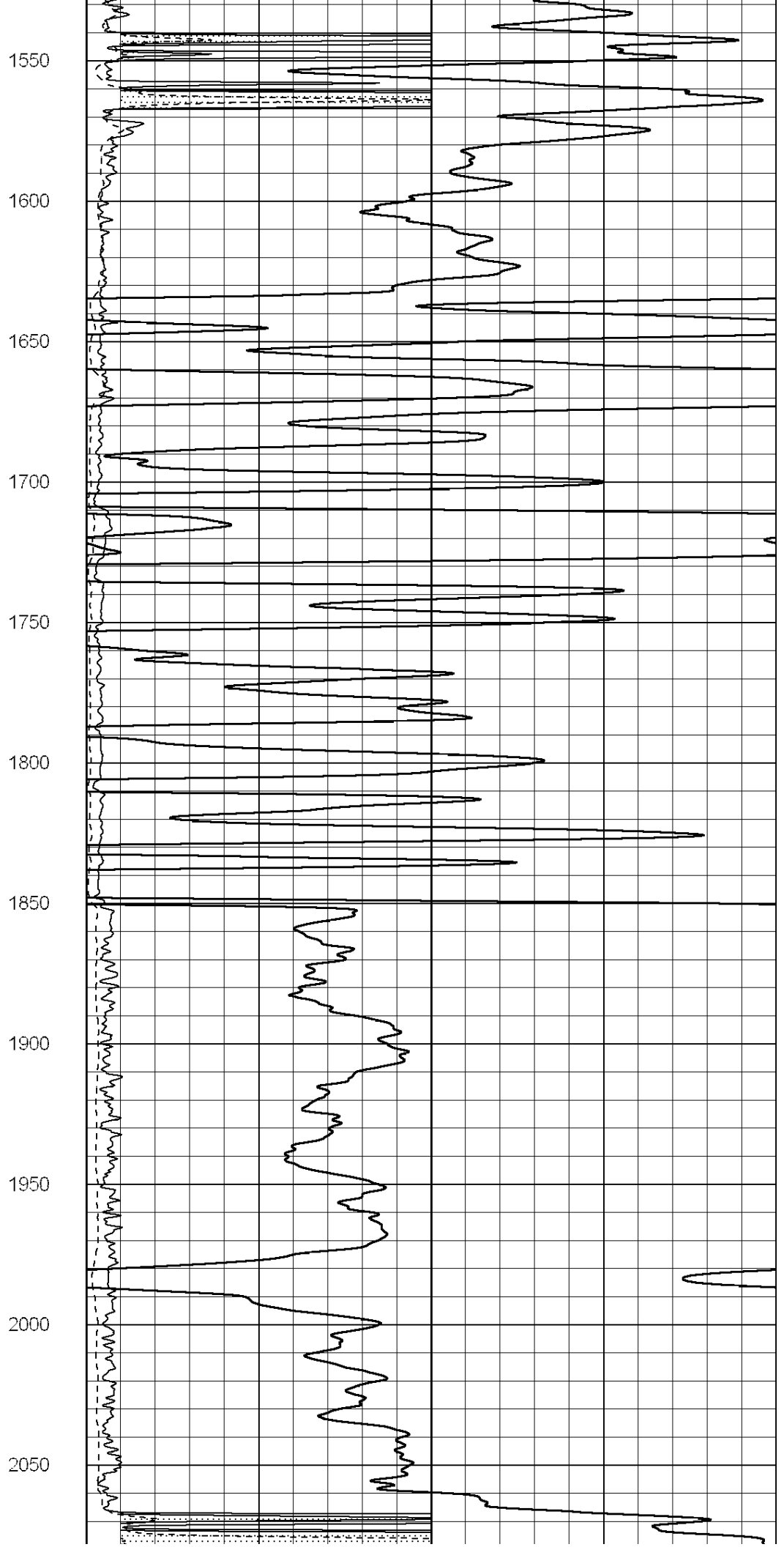
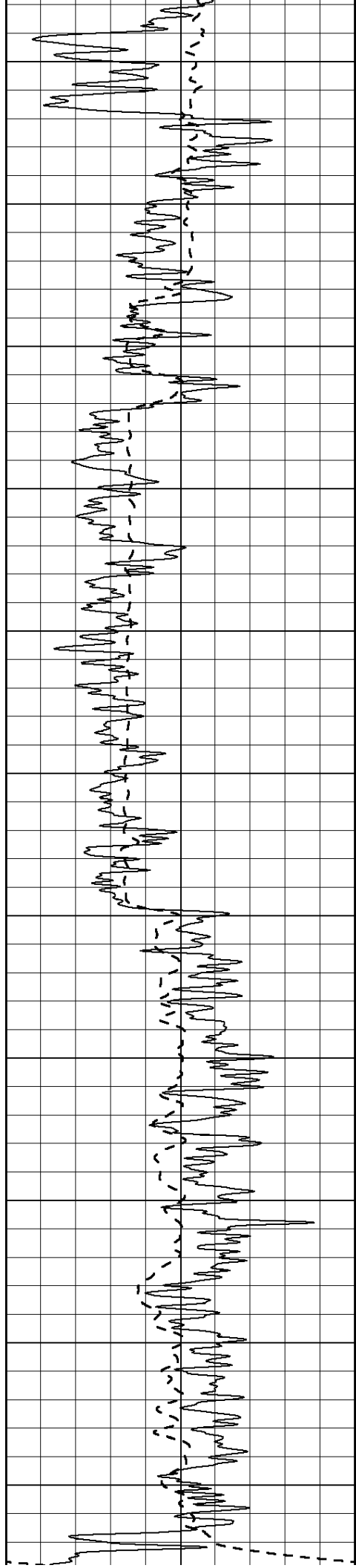
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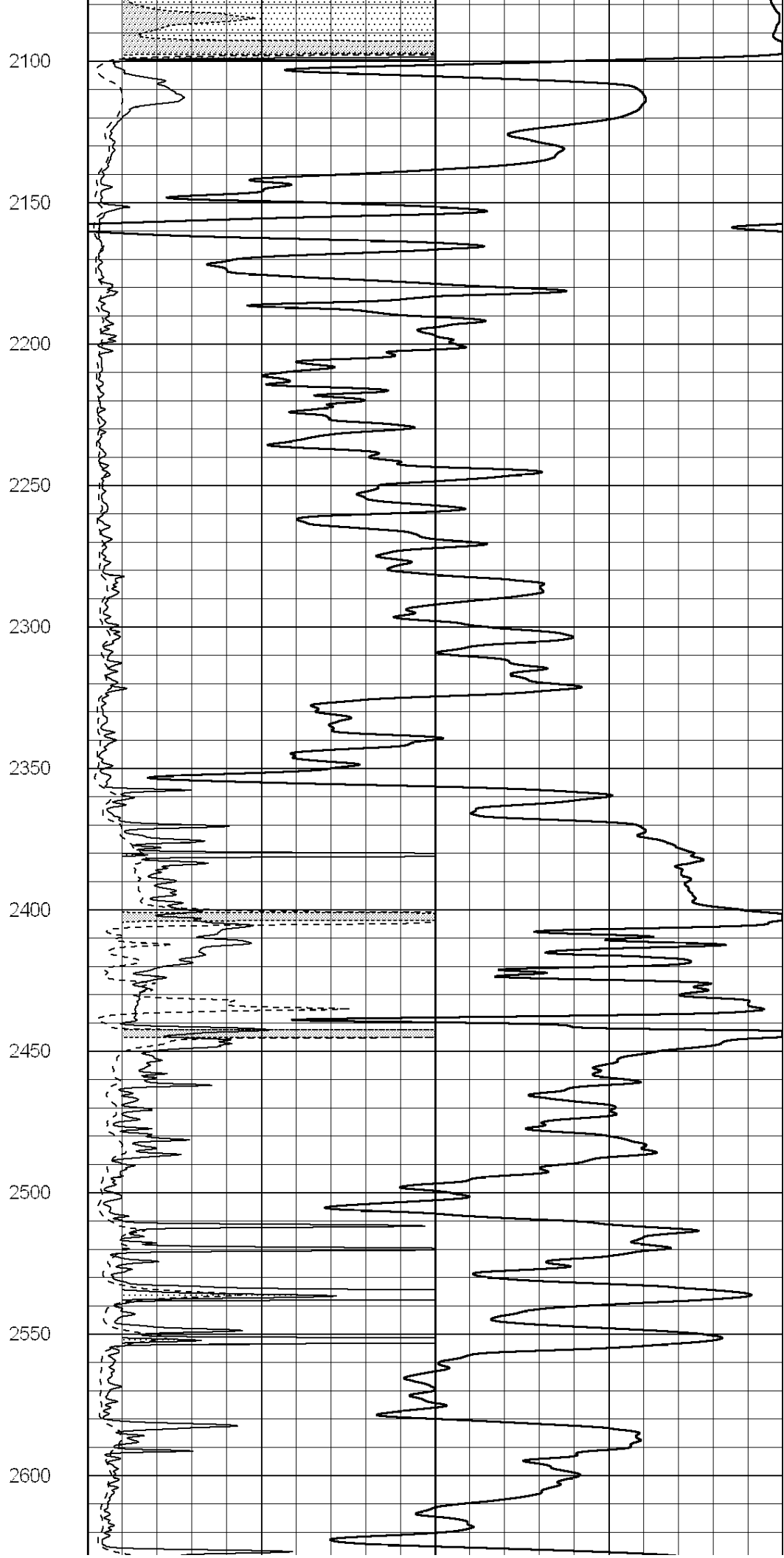
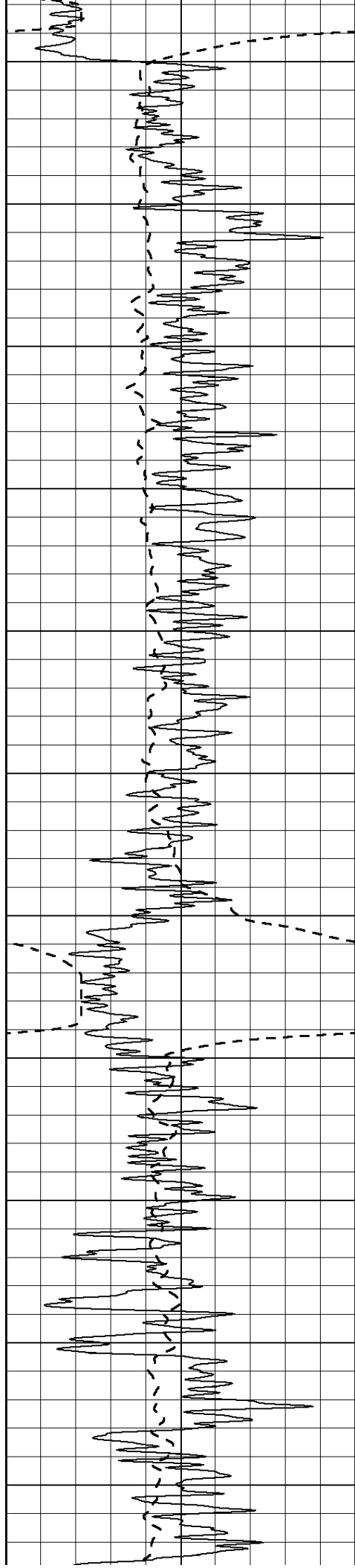
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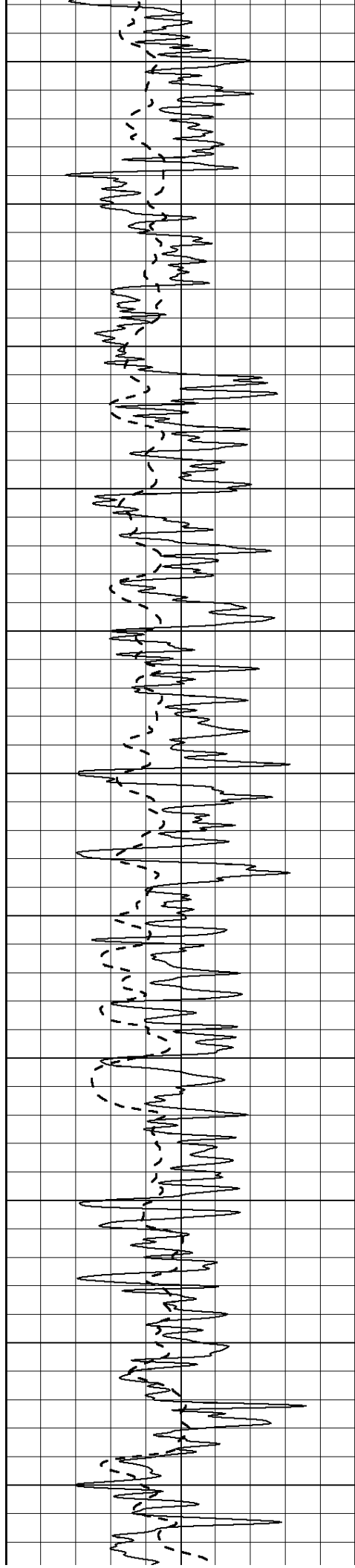
1450

1500









2650

2700

2750

2800

2850

2900

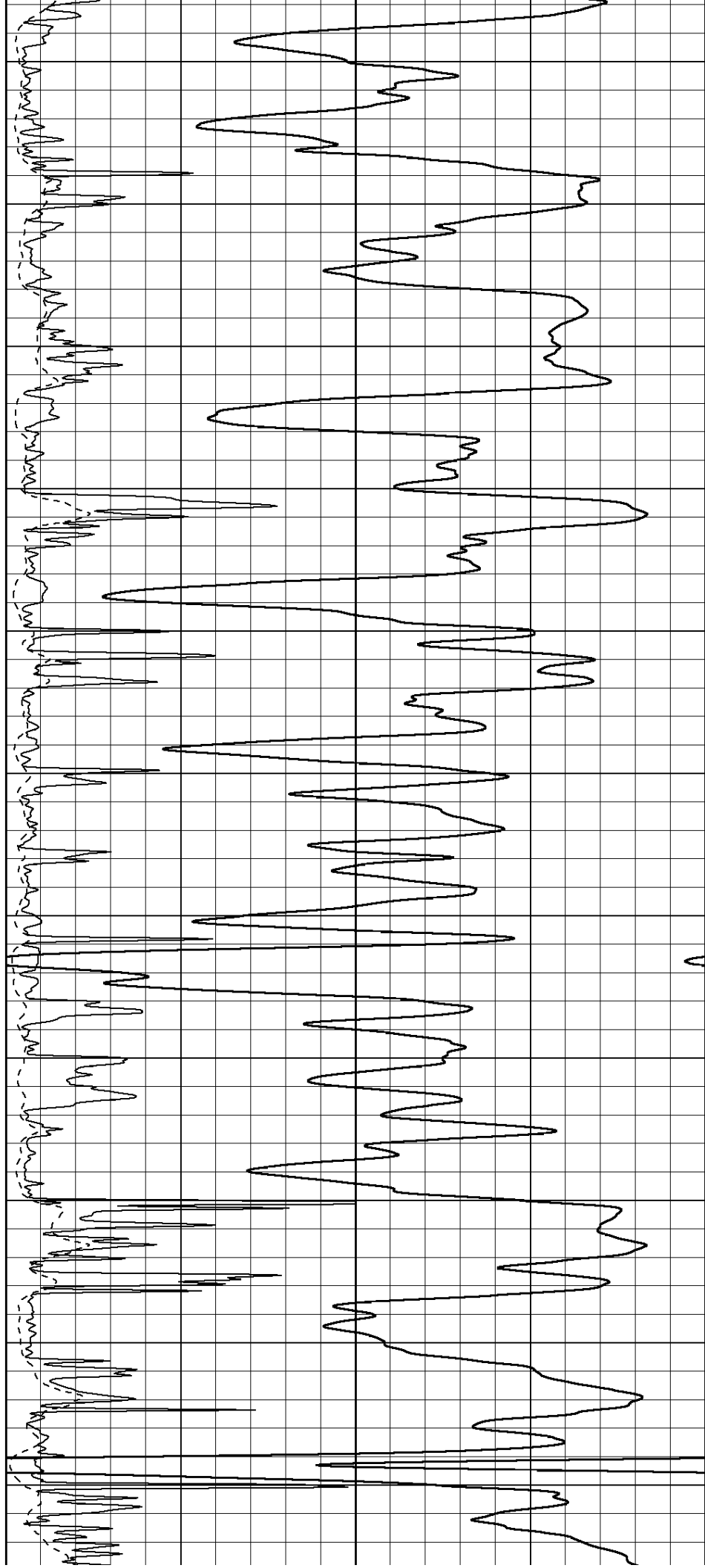
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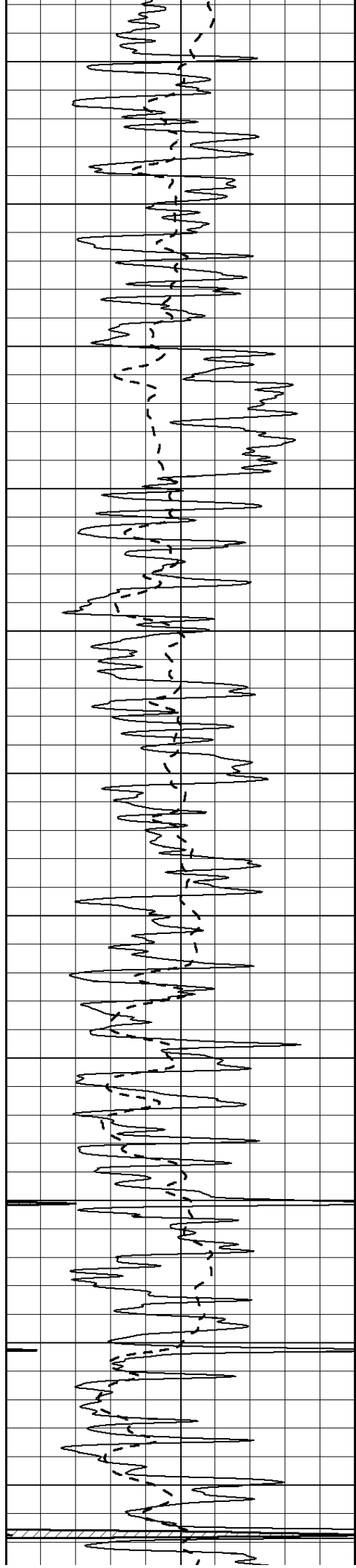
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3050

3100

3150





3200

3250

3300

3350

3400

3450

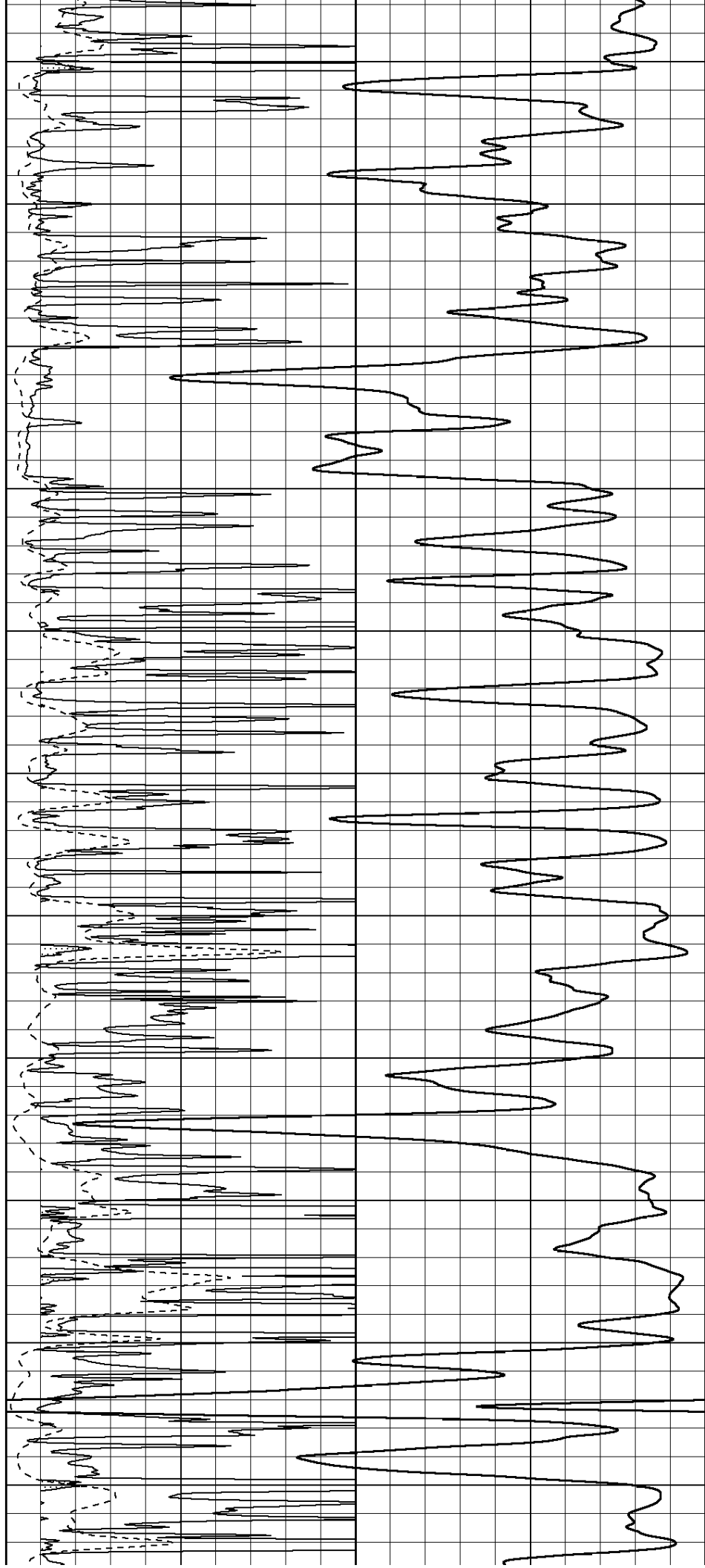
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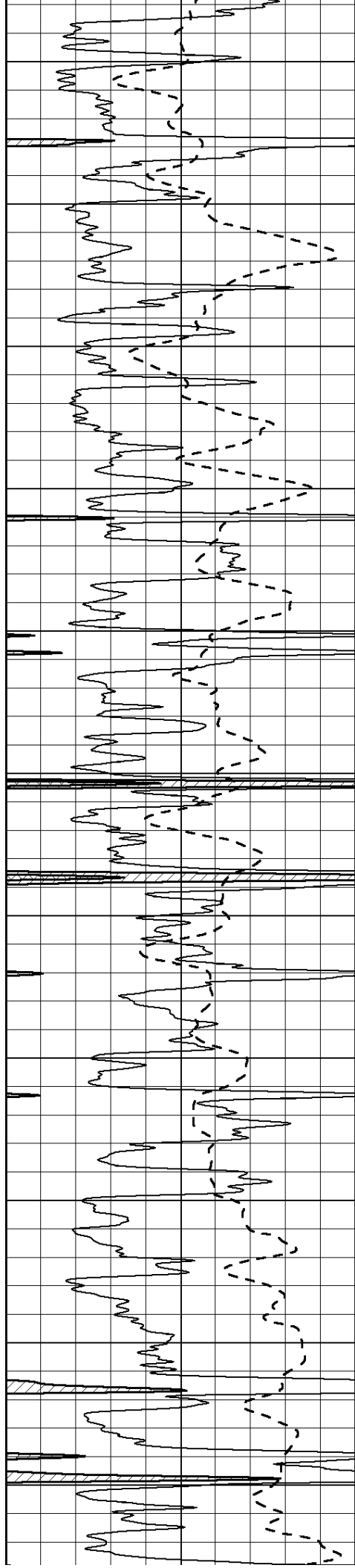
3550

3600

3650

3700





3750

3800

3850

3900

3950

4000

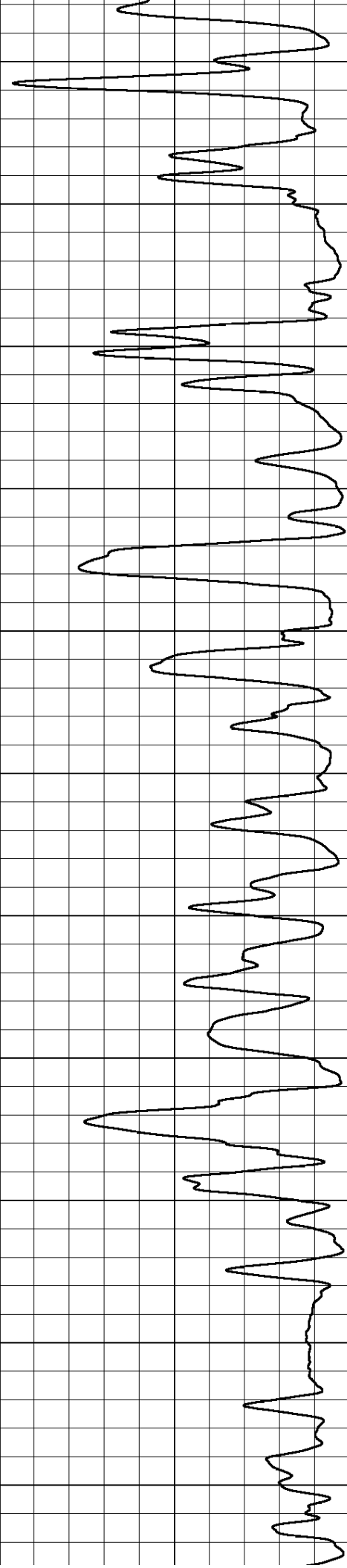
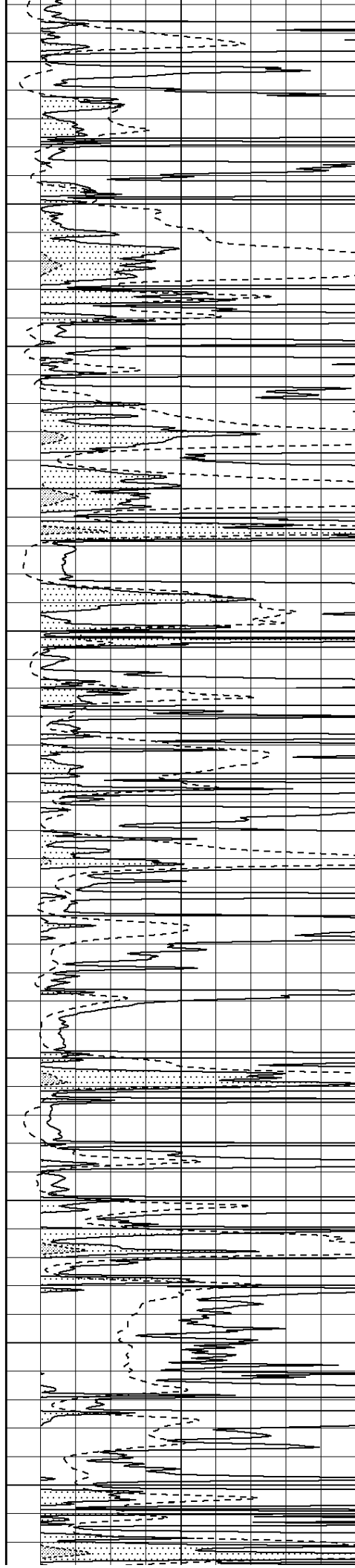
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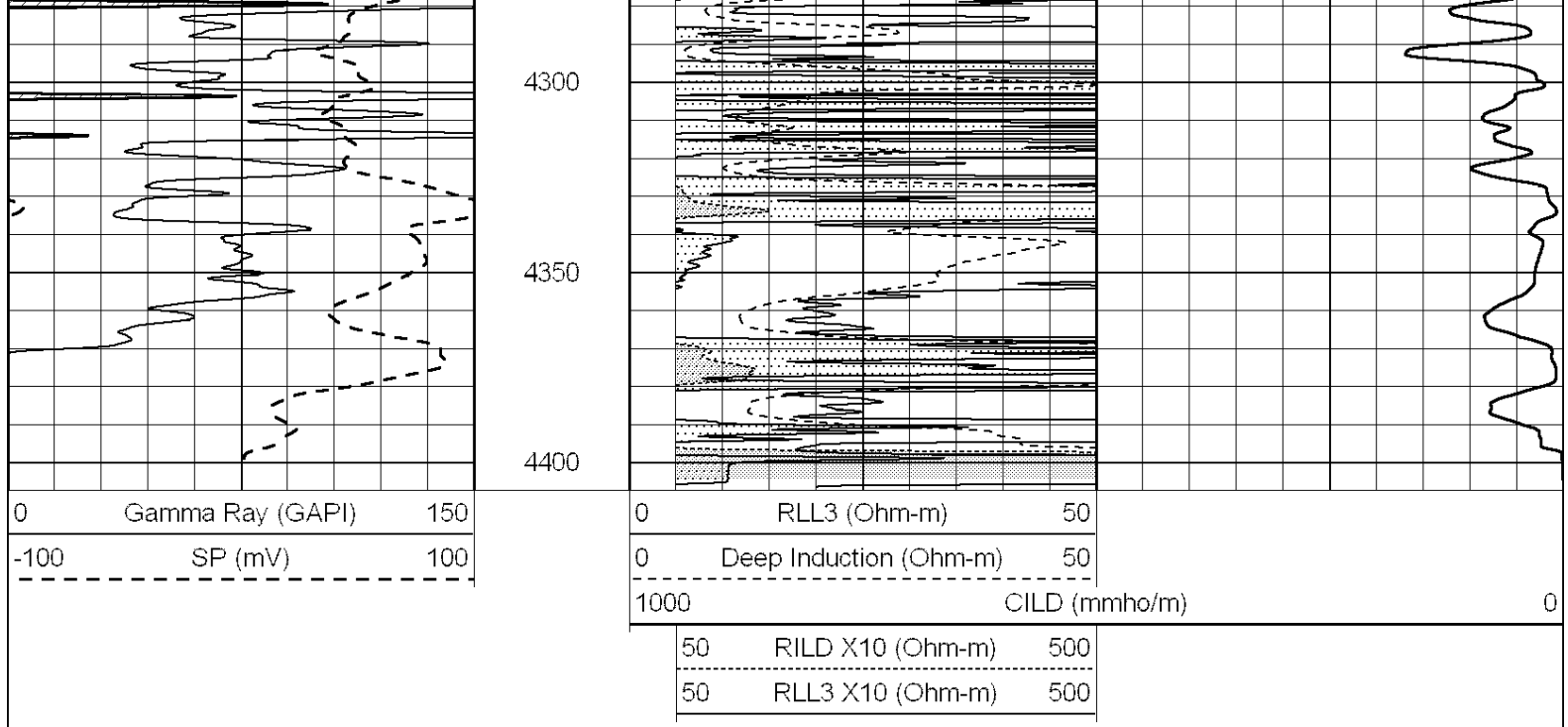
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4150

4200

4250



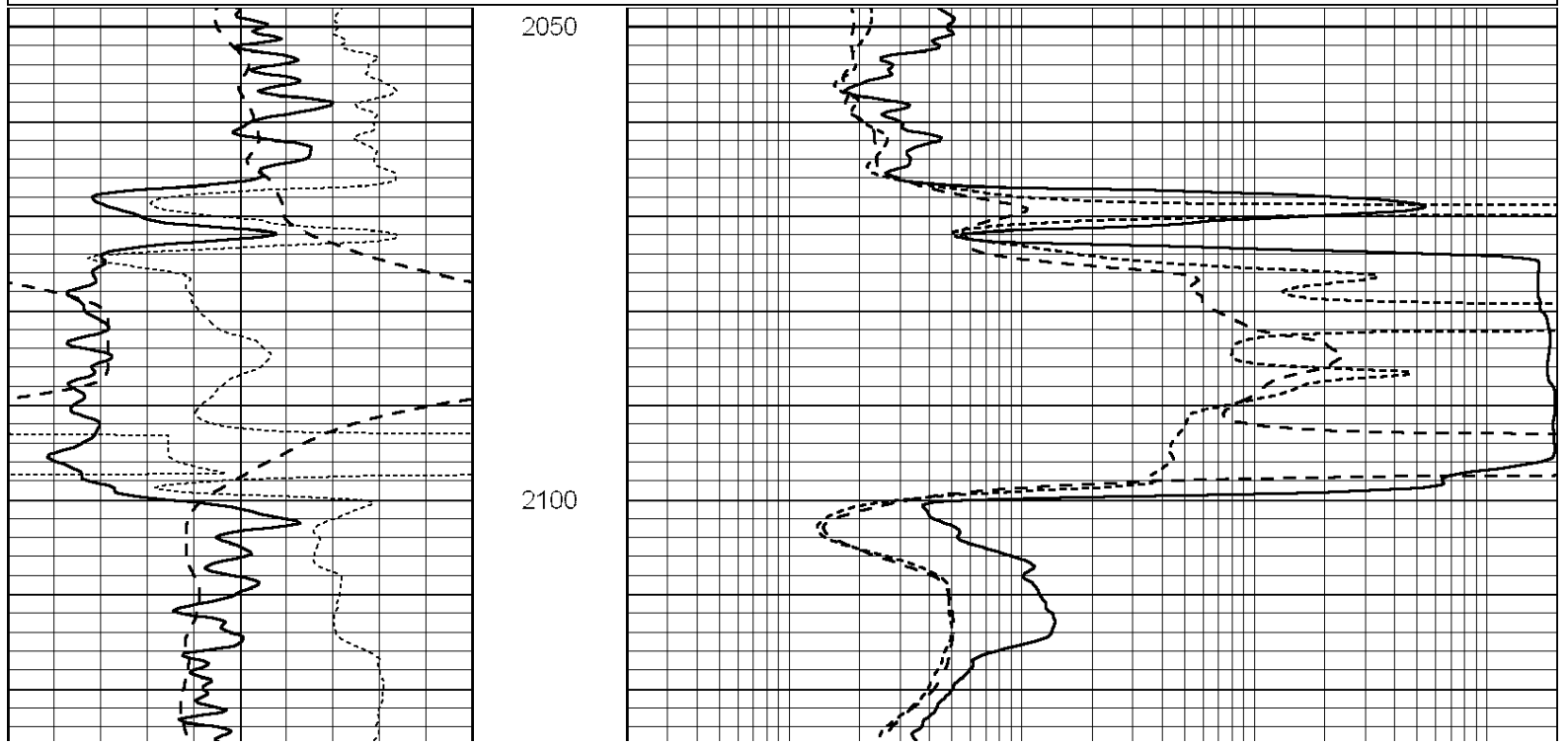


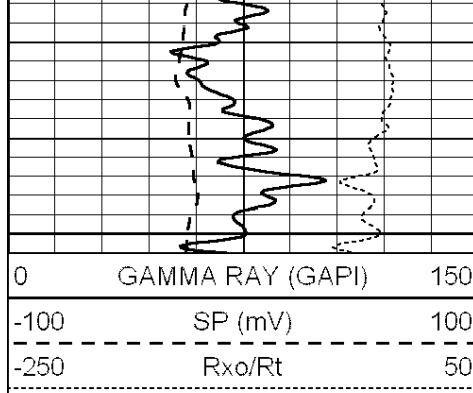
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Kansas

ANHYDRITE

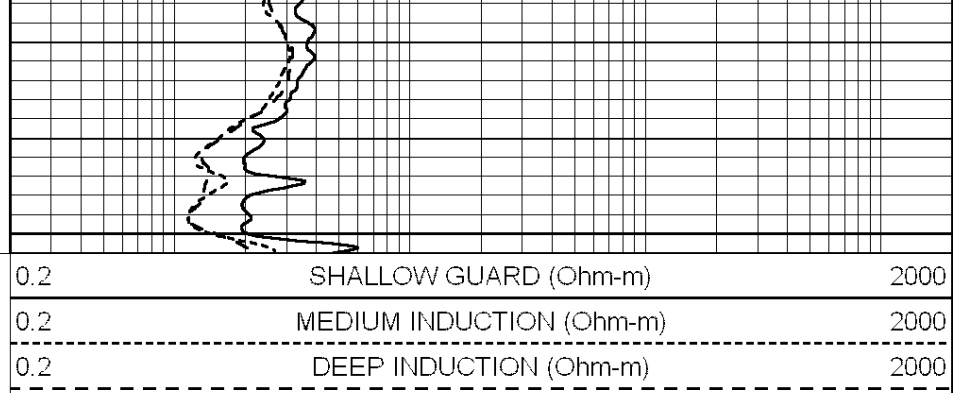
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 Dataset Pathname: pass3.3
 Presentation Format: _dil
 Dataset Creation: Mon Jul 16 13:41:33 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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





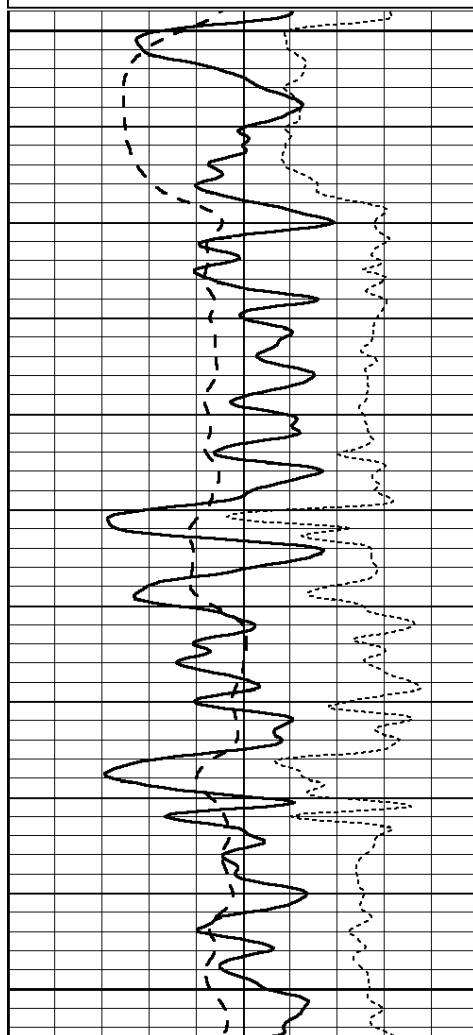
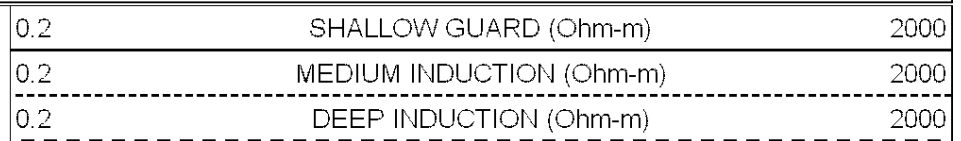
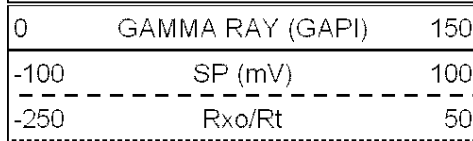
2150



SUPERIOR
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MAIN SECTION

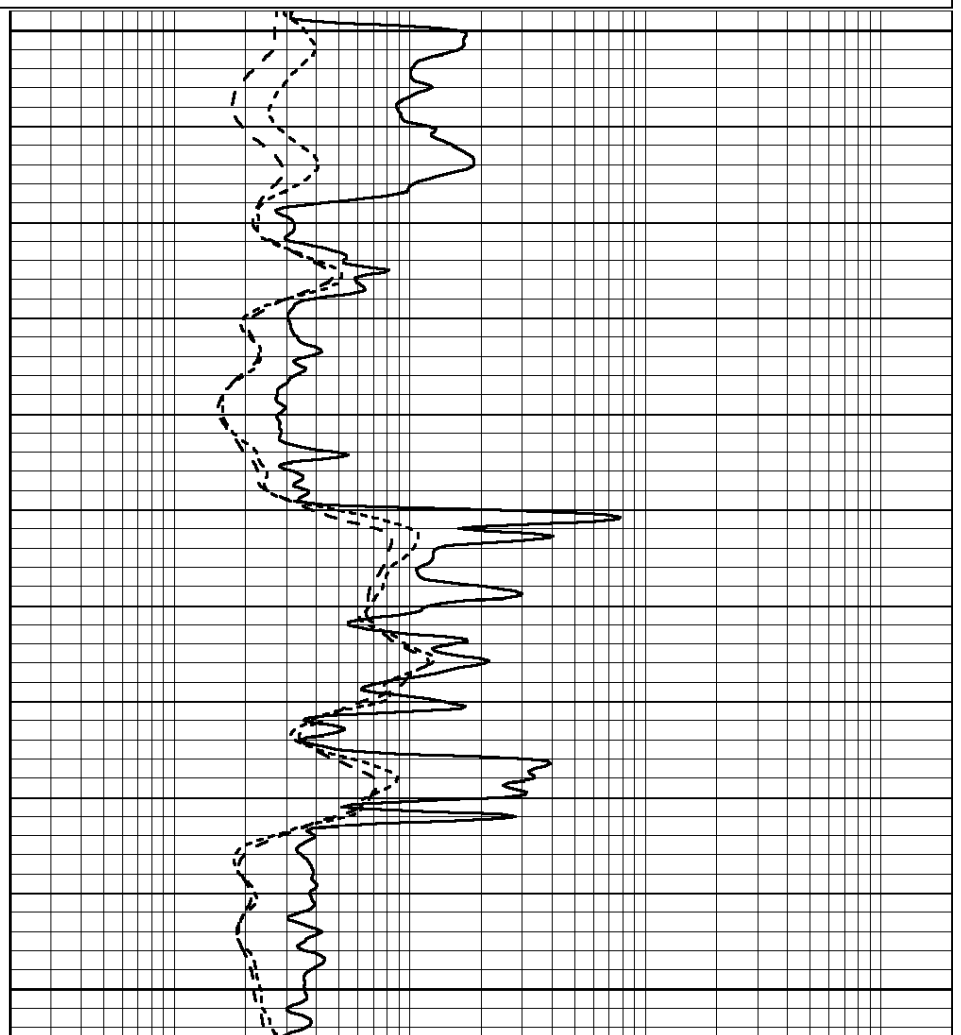
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 Presentation Format: _dil
 Dataset Creation: Mon Jul 16 13:31:21 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

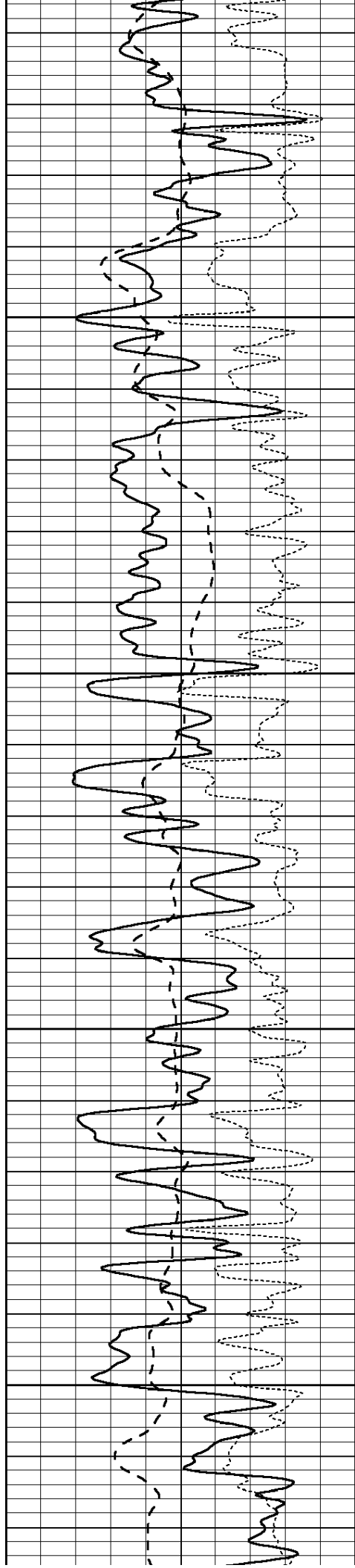


3000

3050

3100



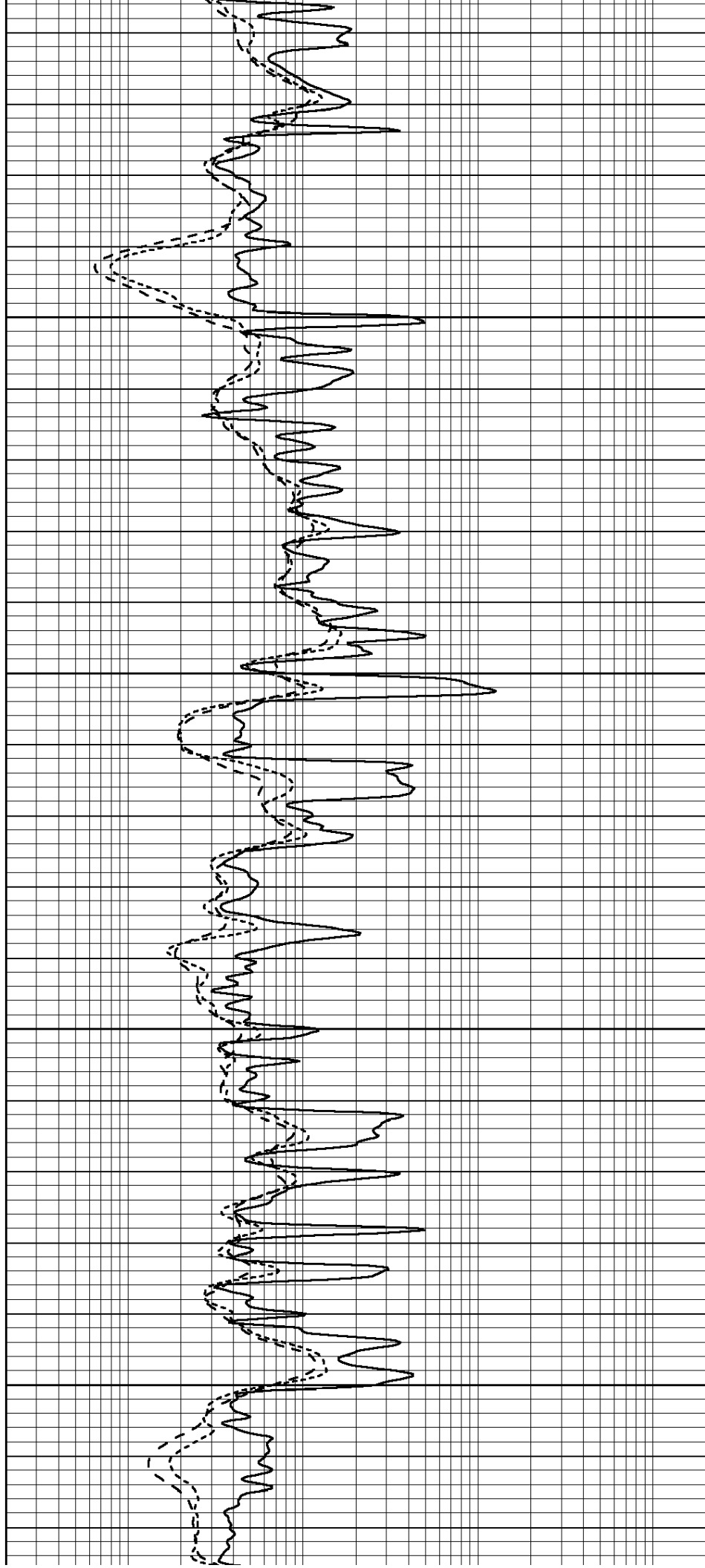


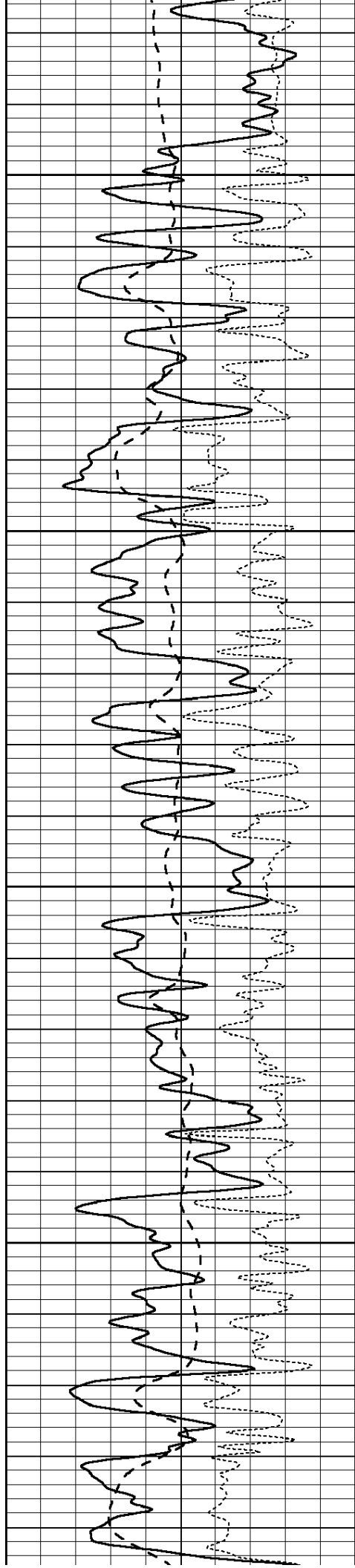
3150

3200

3250

3300



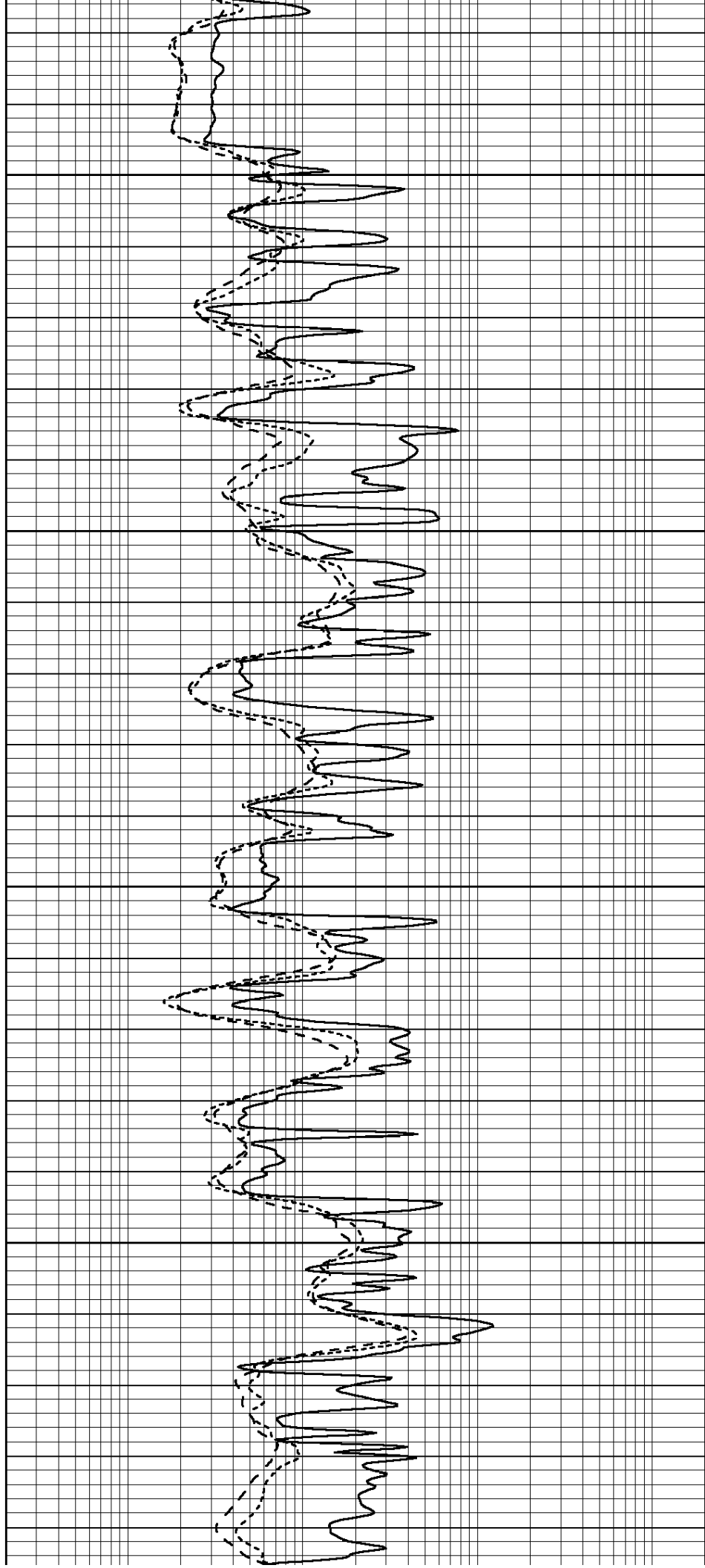


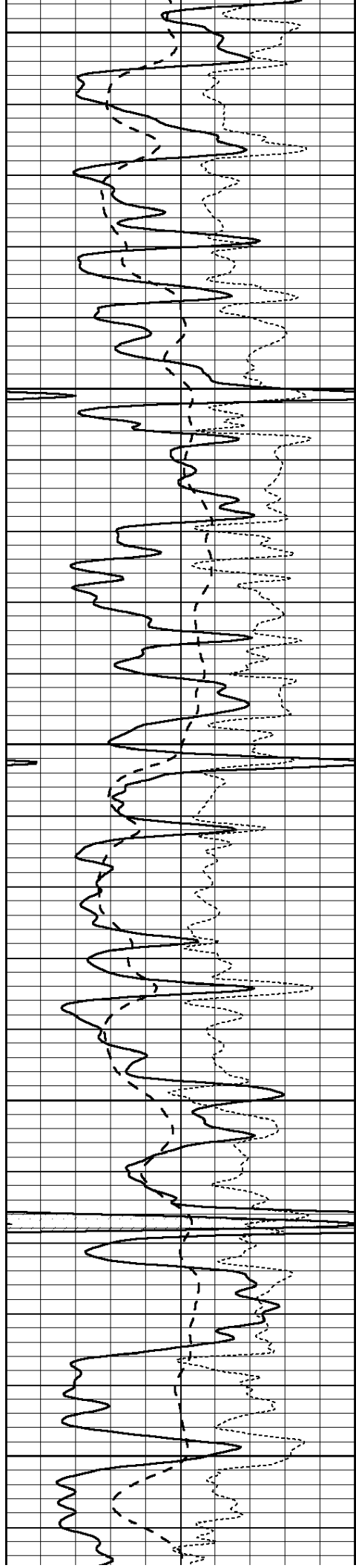
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3400

3450

3500





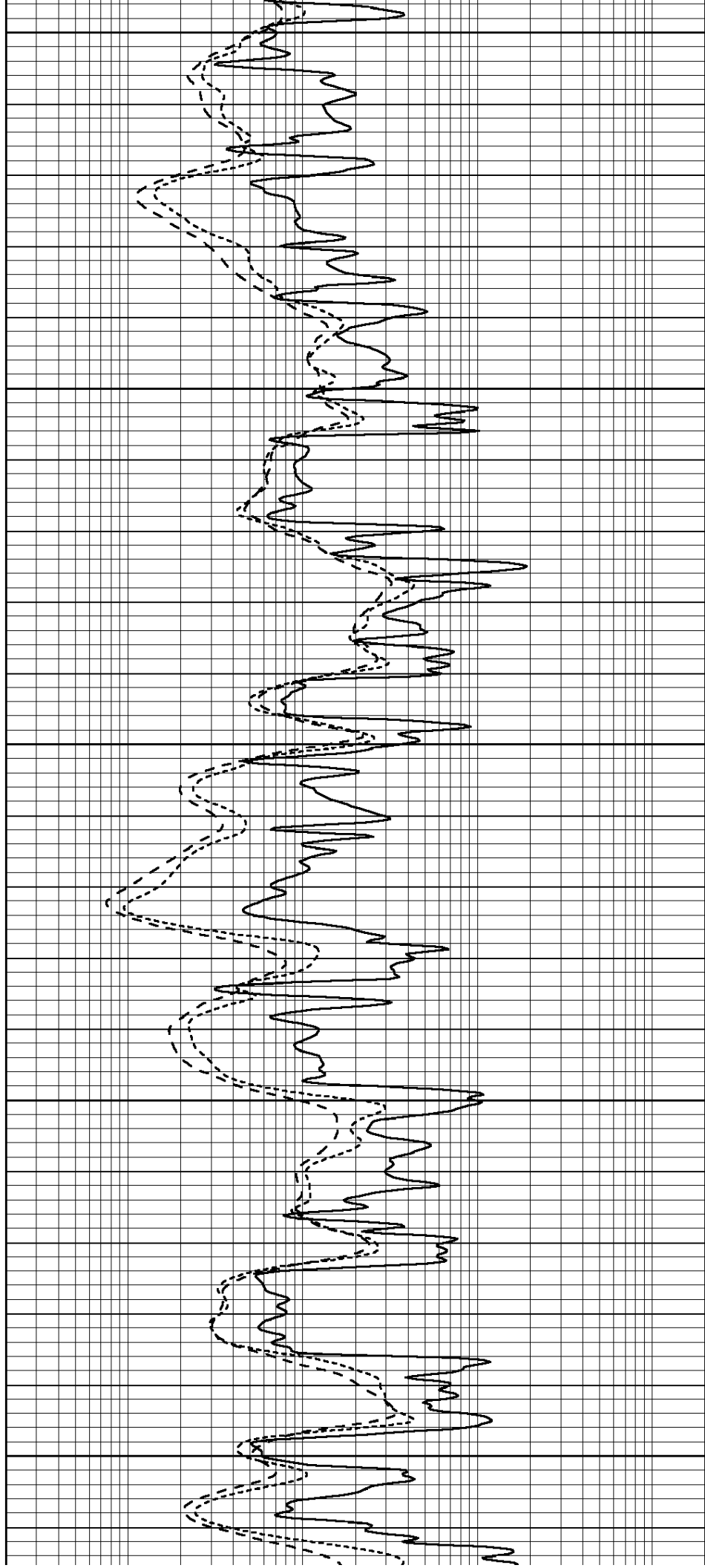
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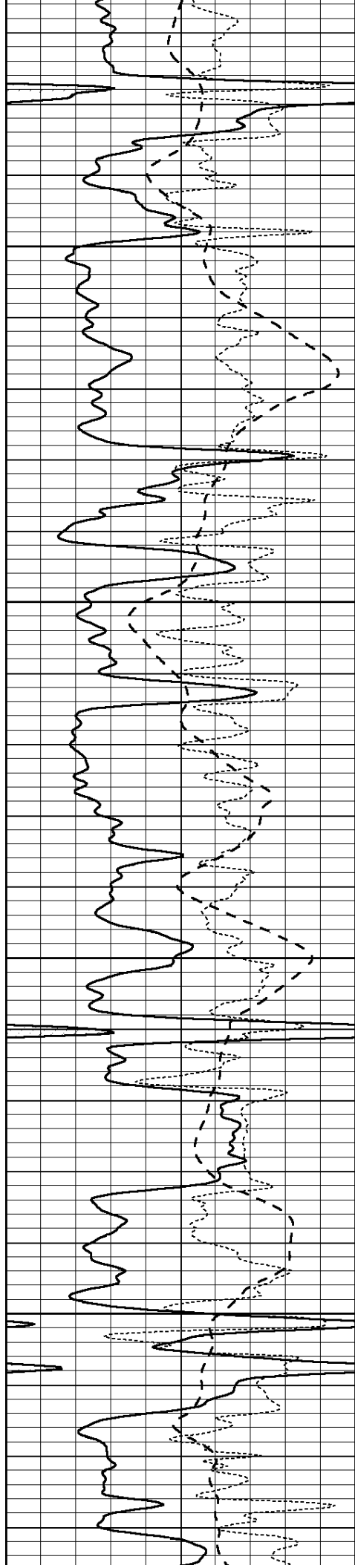
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3650

3700

3750



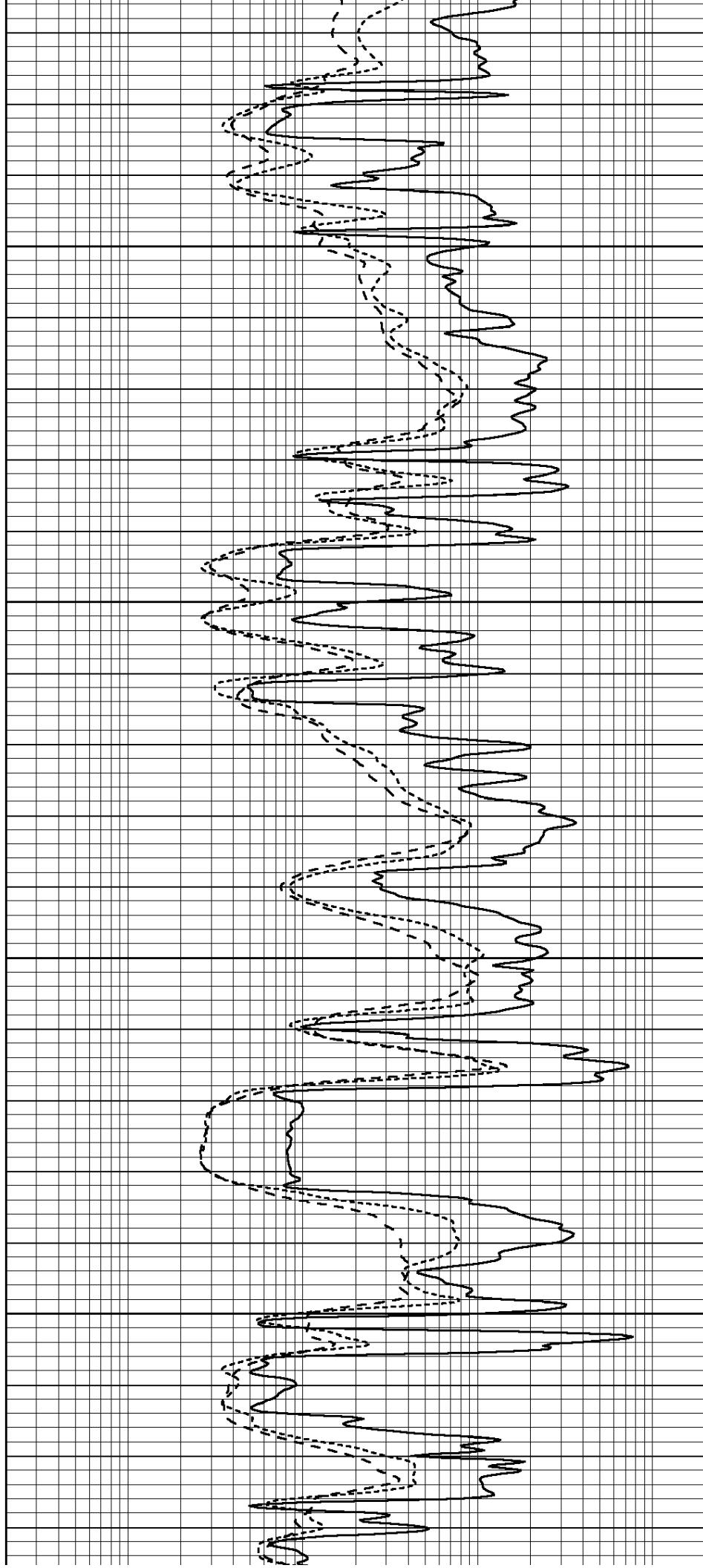


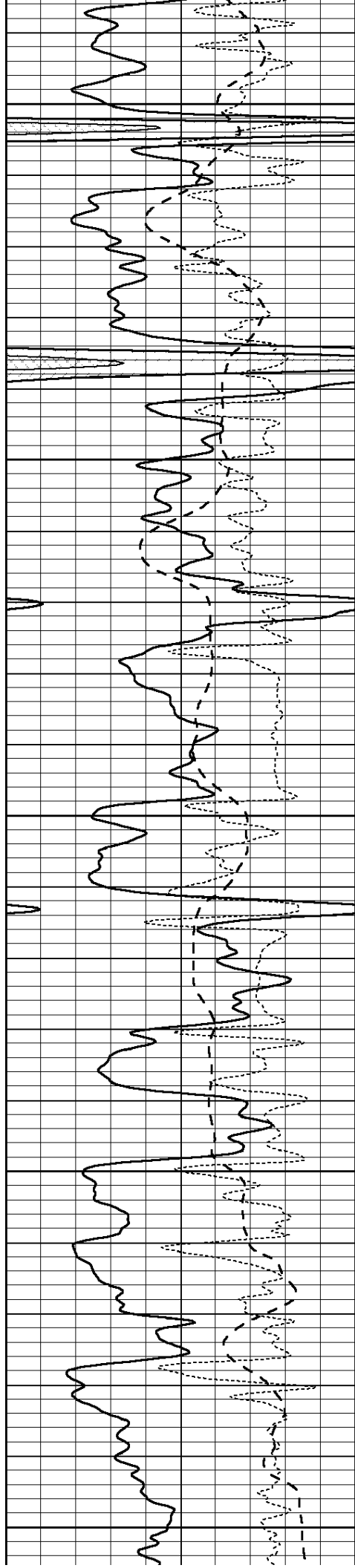
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3850

3900

3950





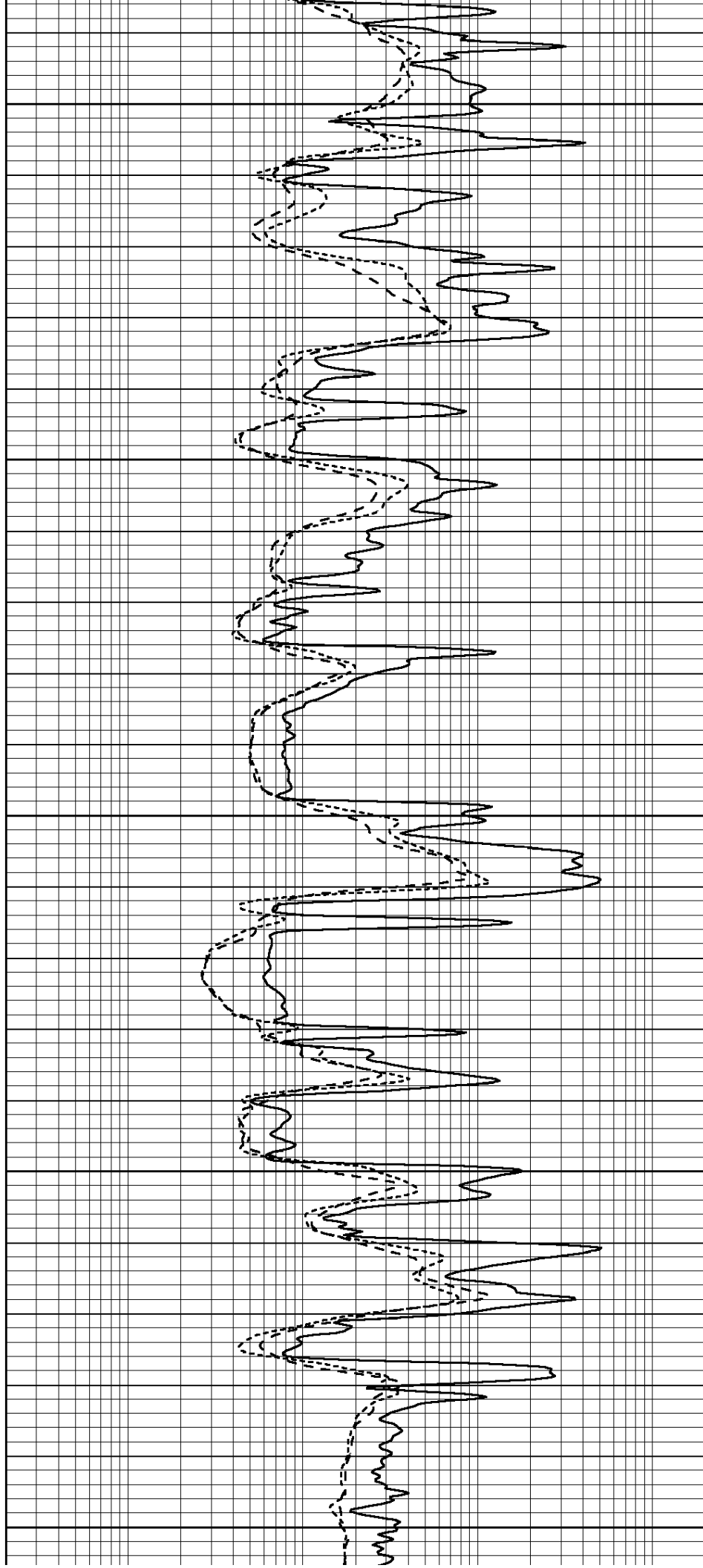
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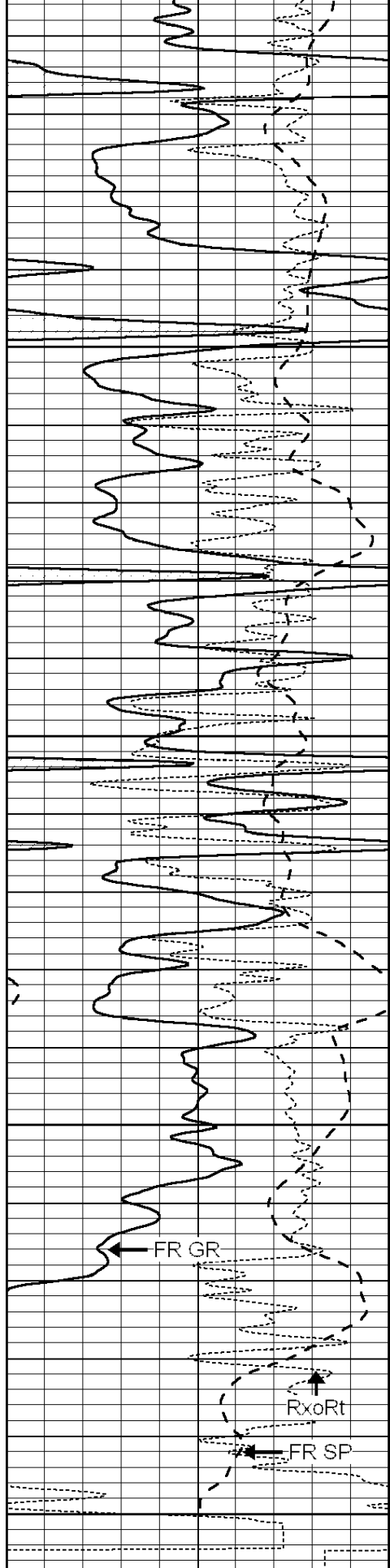
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4100

4150

4200





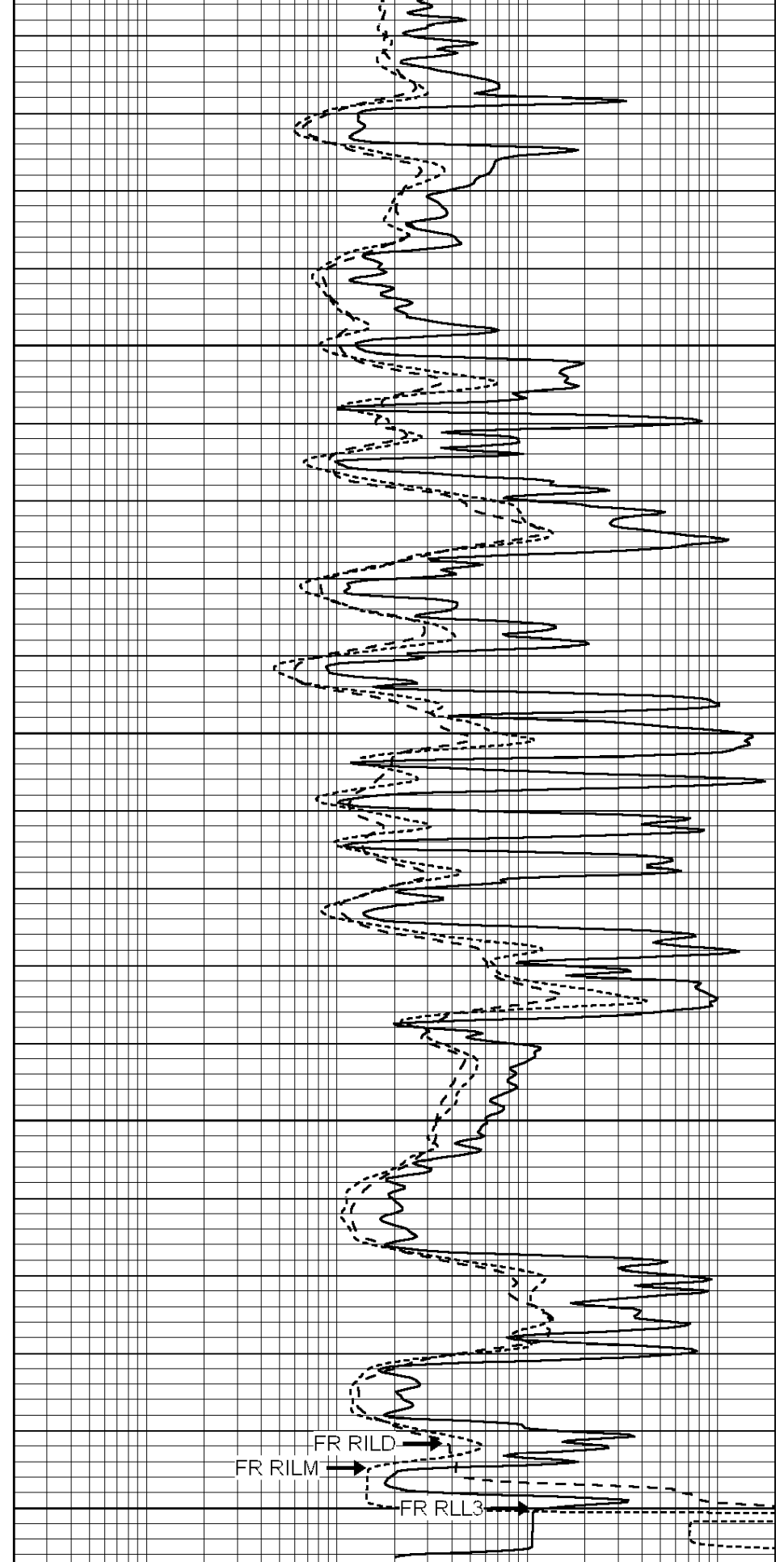
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

4250

4300

4350

4400
LTD 4402



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



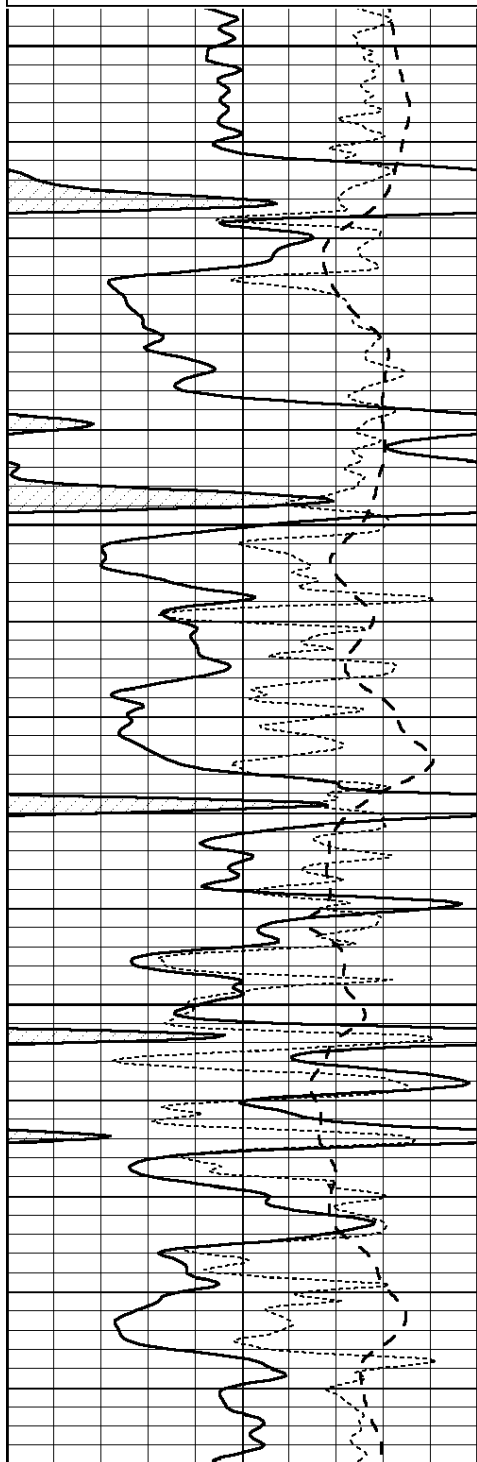
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 009466ddn.db
Dataset Pathname: pass2.1
Presentation Format: _dil
Dataset Creation: Mon Jul 16 13:19:07 2012 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

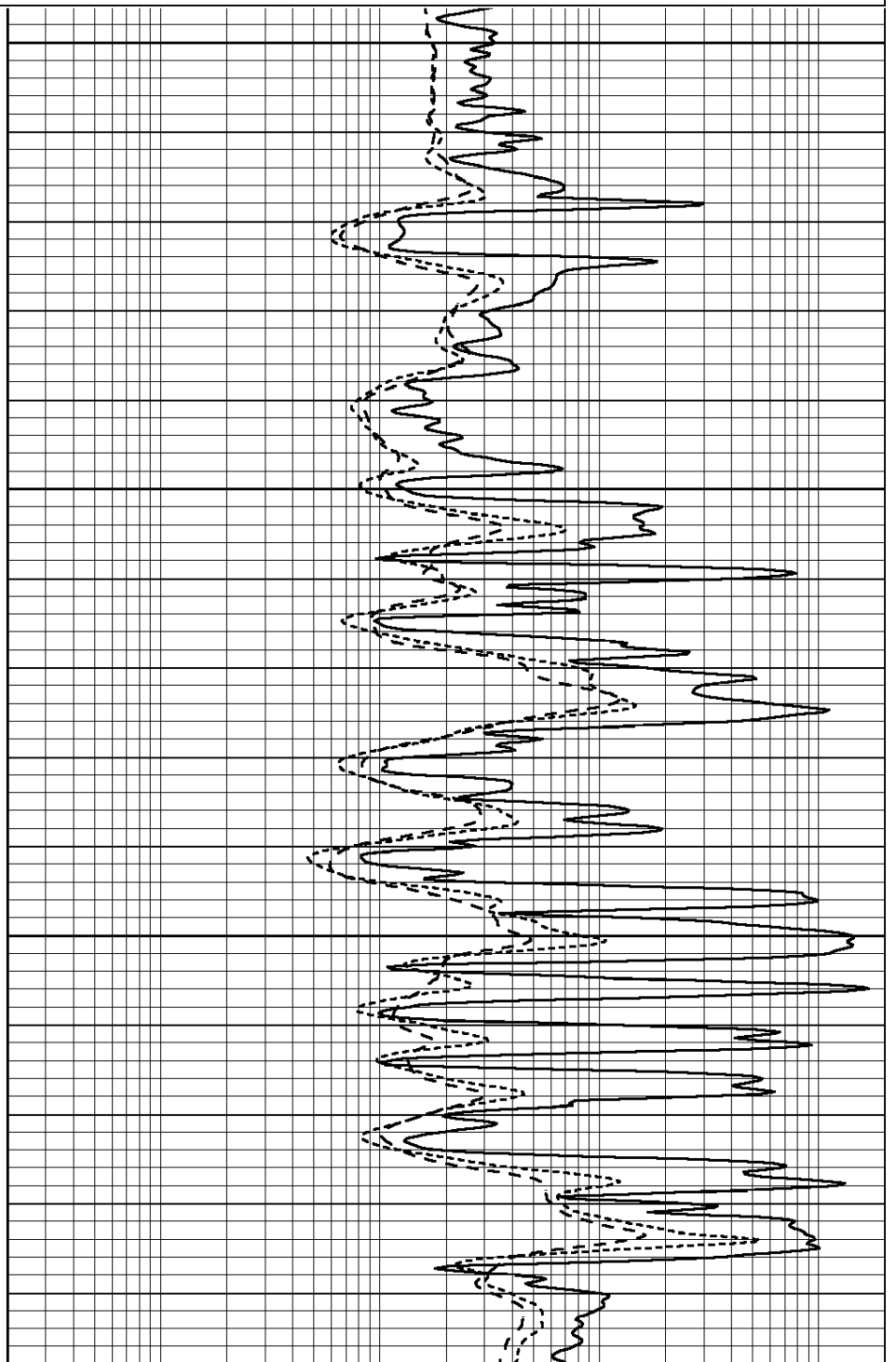
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

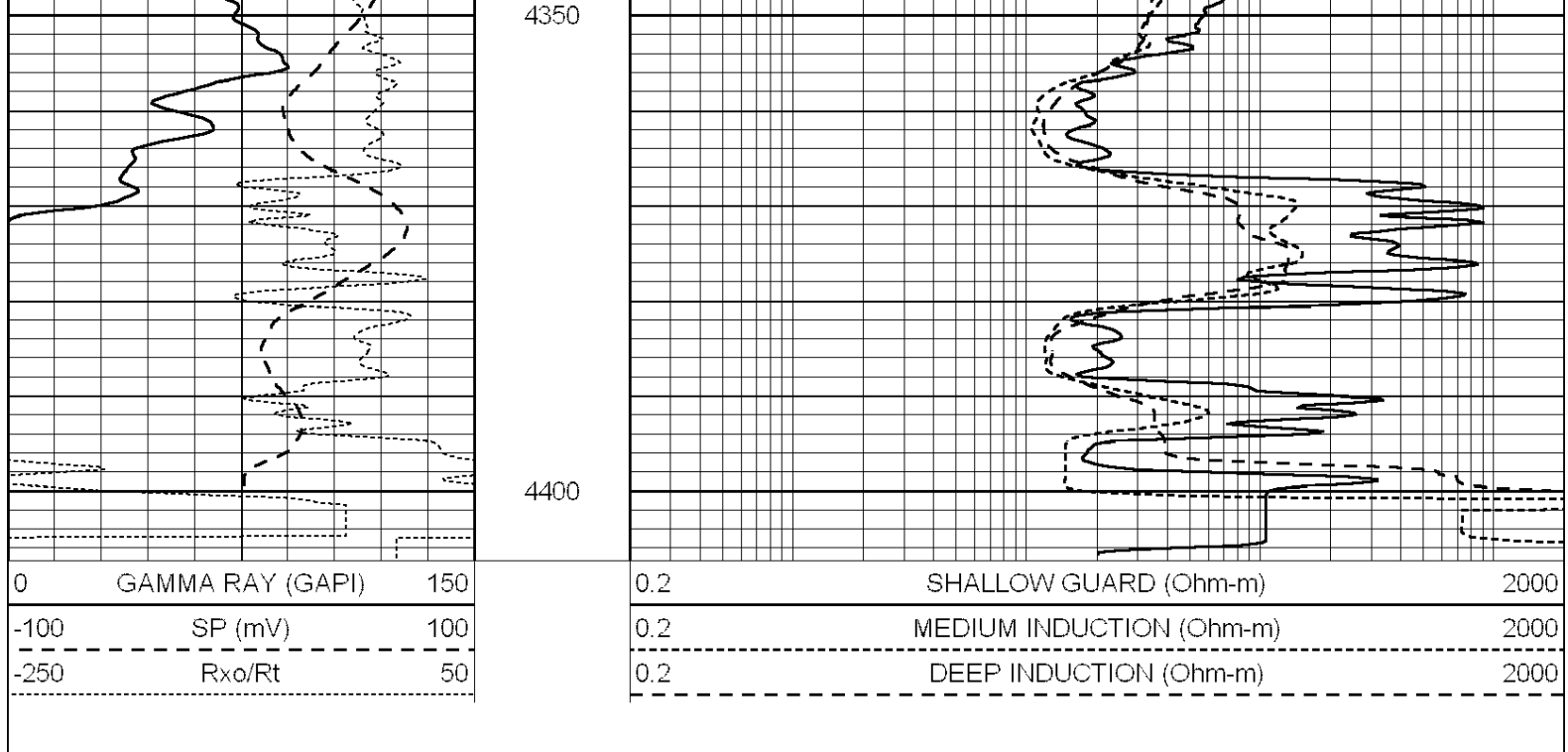


4200

4250

4300





Calibration Report

Database File: 009466ddh.db
 Dataset Pathname: pass2.1
 Dataset Creation: Mon Jul 16 13:19:07 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Fri Aug 01 06:33:19 2008
 Downhole Cal Performed: Mon Jul 28 11:08:27 2008
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

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		
Compensated Density Calibration Report								
Serial-Model:				GEAR4-GEARHART				
Source / Verifier:				143 / 143				
Master Calibration Performed:				Mon Mar 19 19:07:19 2012				
Master Calibration								
	Density			Far Detector		Near Detector		
Magnesium	1.710	g/cc		1015.91		497.51	cps	
Aluminum	2.580	g/cc		227.67		350.20	cps	
Spine Angle = 76.79			Density/Spine Ratio = 0.566					
	Size			Reading				
Small Ring	8.00	in		3.21		V		
Large Ring	14.00	in		5.46		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:			Mon Jun 13 16:56:43 2011					
Calibrator Value:			150.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			175.0		cps			
Sensitivity:			0.8371		GAPI/cps			