



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company		TRANS PACIFIC OIL CORP.	
Well		BRIGGS B #2-18	
Field		BRIGGS	
County		GOVE	
State		KANSAS	
Company		TRANS PACIFIC OIL CORPORATION	
Well		BRIGGS B #2-18	
Field		BRIGGS	
County		GOVE	
State		KANSAS	
Location:		API # : 15-063-21898-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 9' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 18 TWP 14S RGE 27W		Elevation	
3795' FSL & 990' FEL		K.B. 2549	
N/2 - NW - SE - NE		D.F. 2547	
CDL/CNL		G.L. 2540	
2540			
4/9/11			
ONE			
4340			
4341			
4339			
0			
8 5/8"@254'			
251'			
7 7/8"			
CHEMICAL MUD		CHLORIDES 3000 PPM	
9.5/58			
10.0/8.8			
FLOWLINE			
1.50@79F			
1.13@79F			
1.80@79F			
MEASUREMENT			
0.98@119F			
12 HOURS			
119F			
0836			
HAYS, KANSAS			
JEFF GRONEMEG			
BETH ISERN			

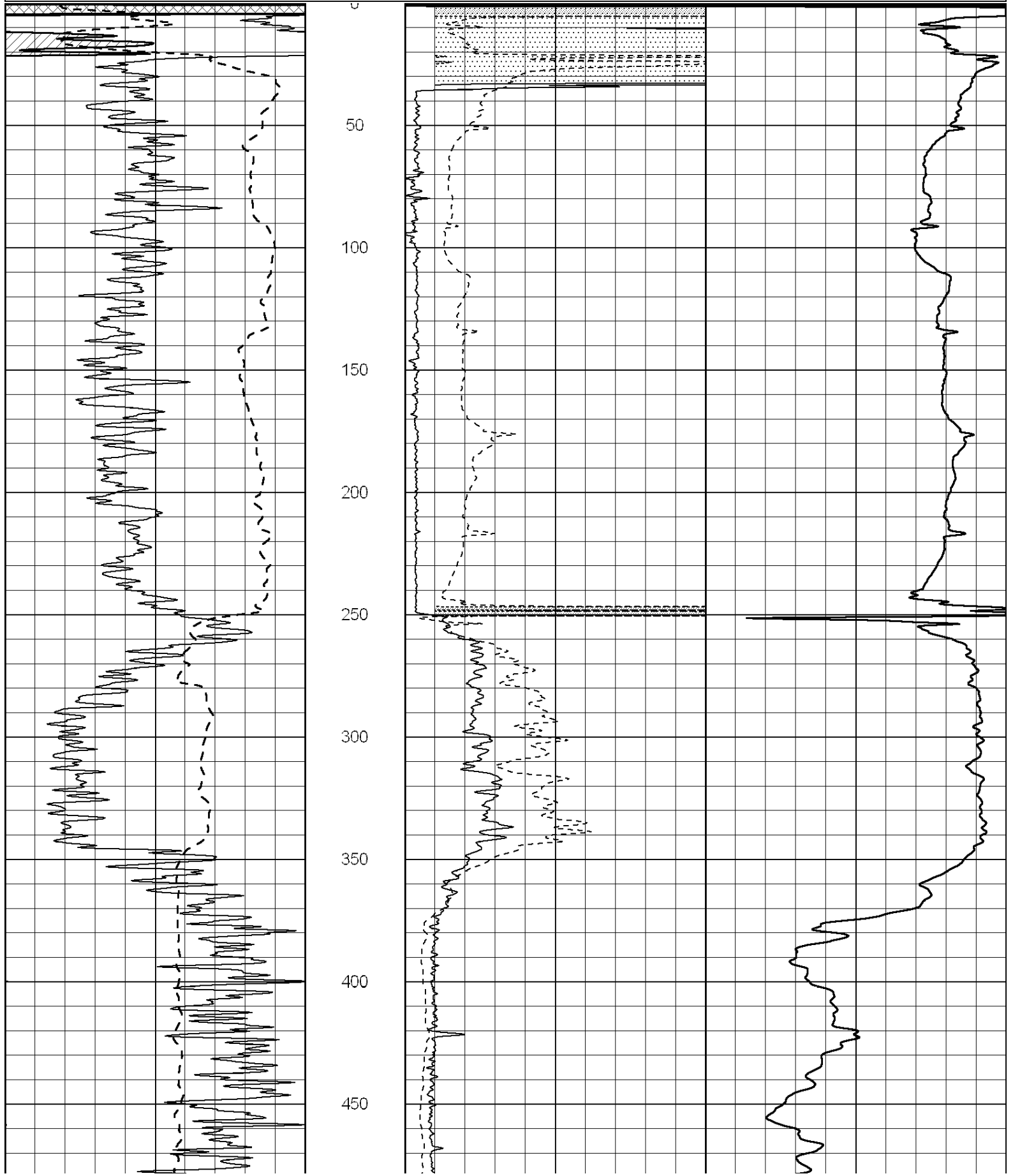
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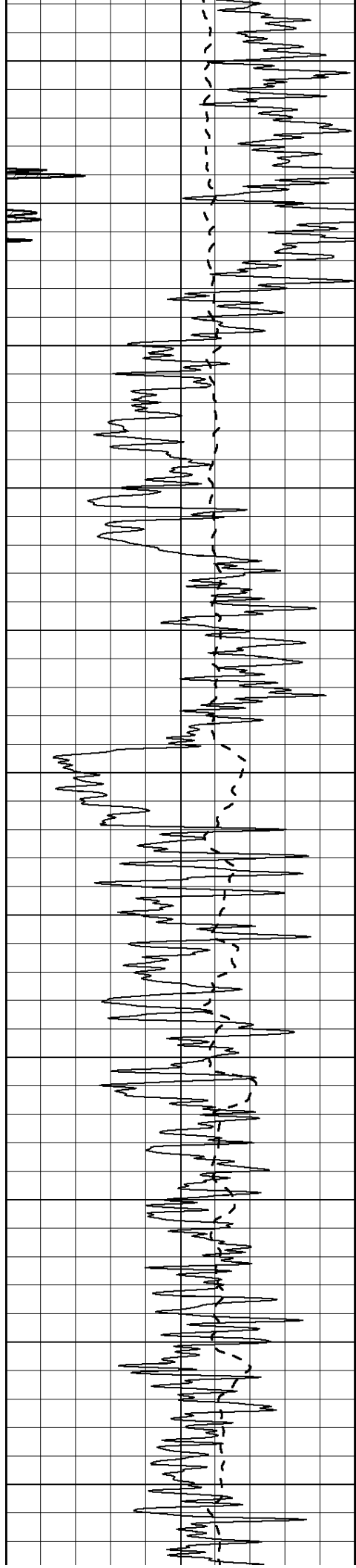
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
QUINTER, KS - 15 MILES SOUTH TO RD K - 5 1/4 MILES WEST
SOUTH INTO ON WEST SIDE OF TANK BATTERY

Charted by: _____ Depth (m) not scaled (feet)					
0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50
-100	SP (mV)	100	0	RILD (Ohm-m)	50
-----			CILD (mmho/m)		
			1000		0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500





500

550

600

650

700

750

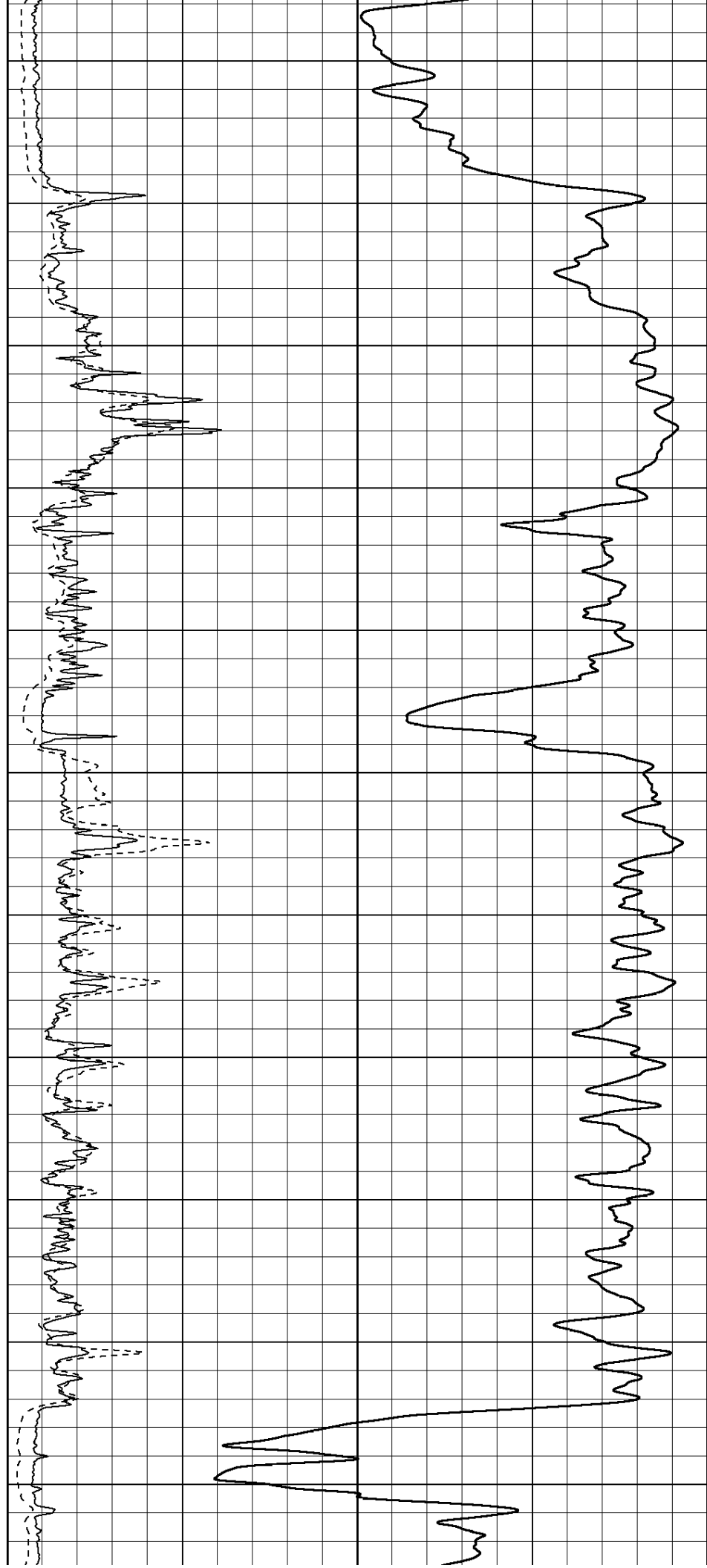
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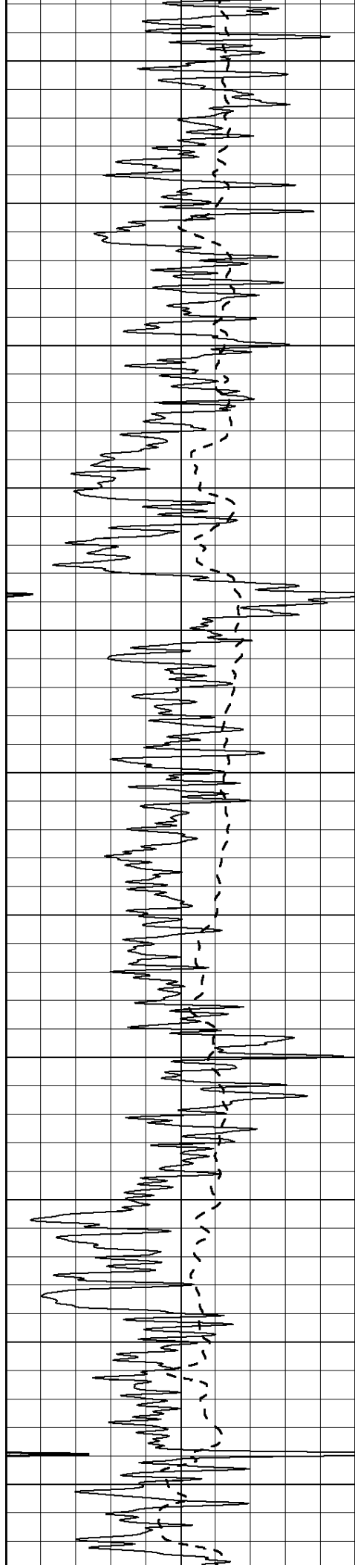
850

900

950

1000





1050

1100

1150

1200

1250

1300

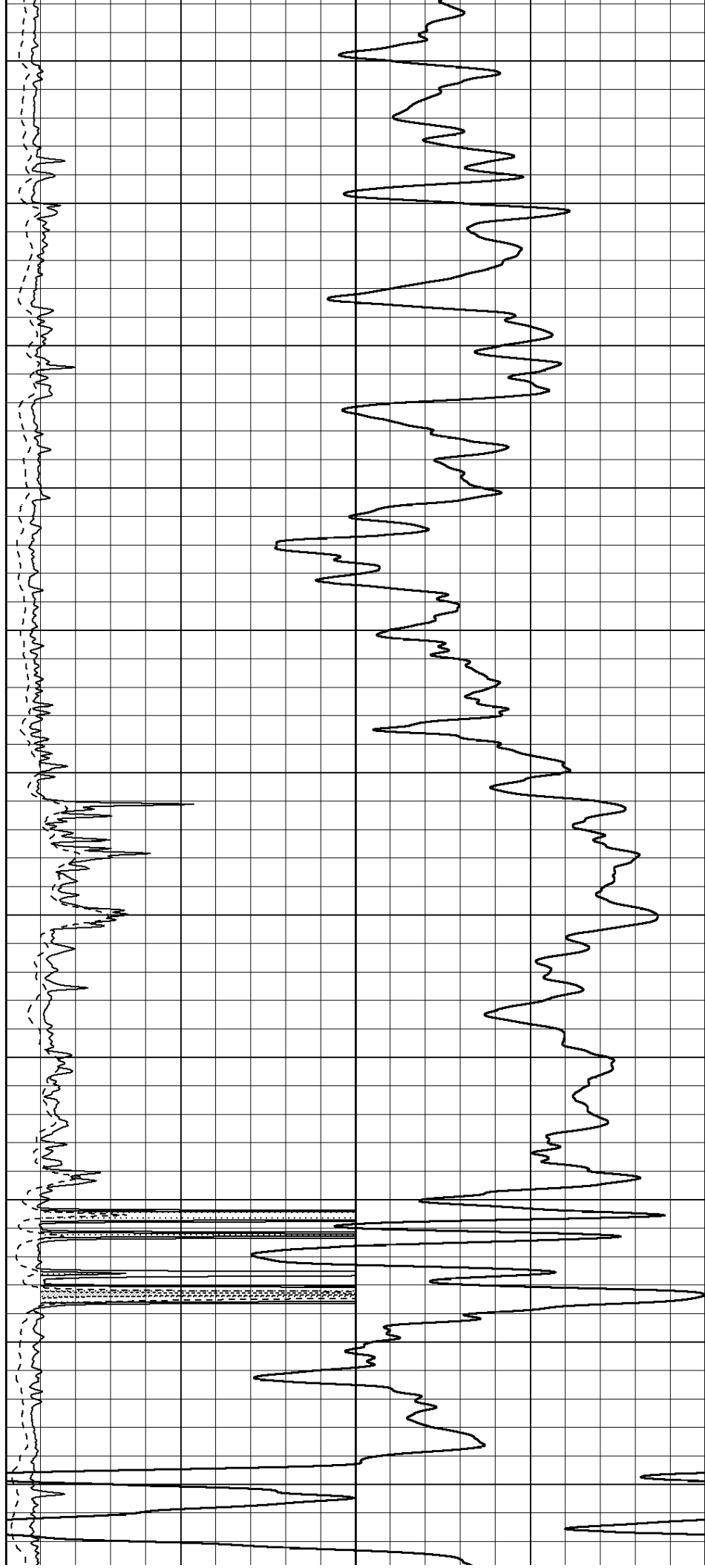
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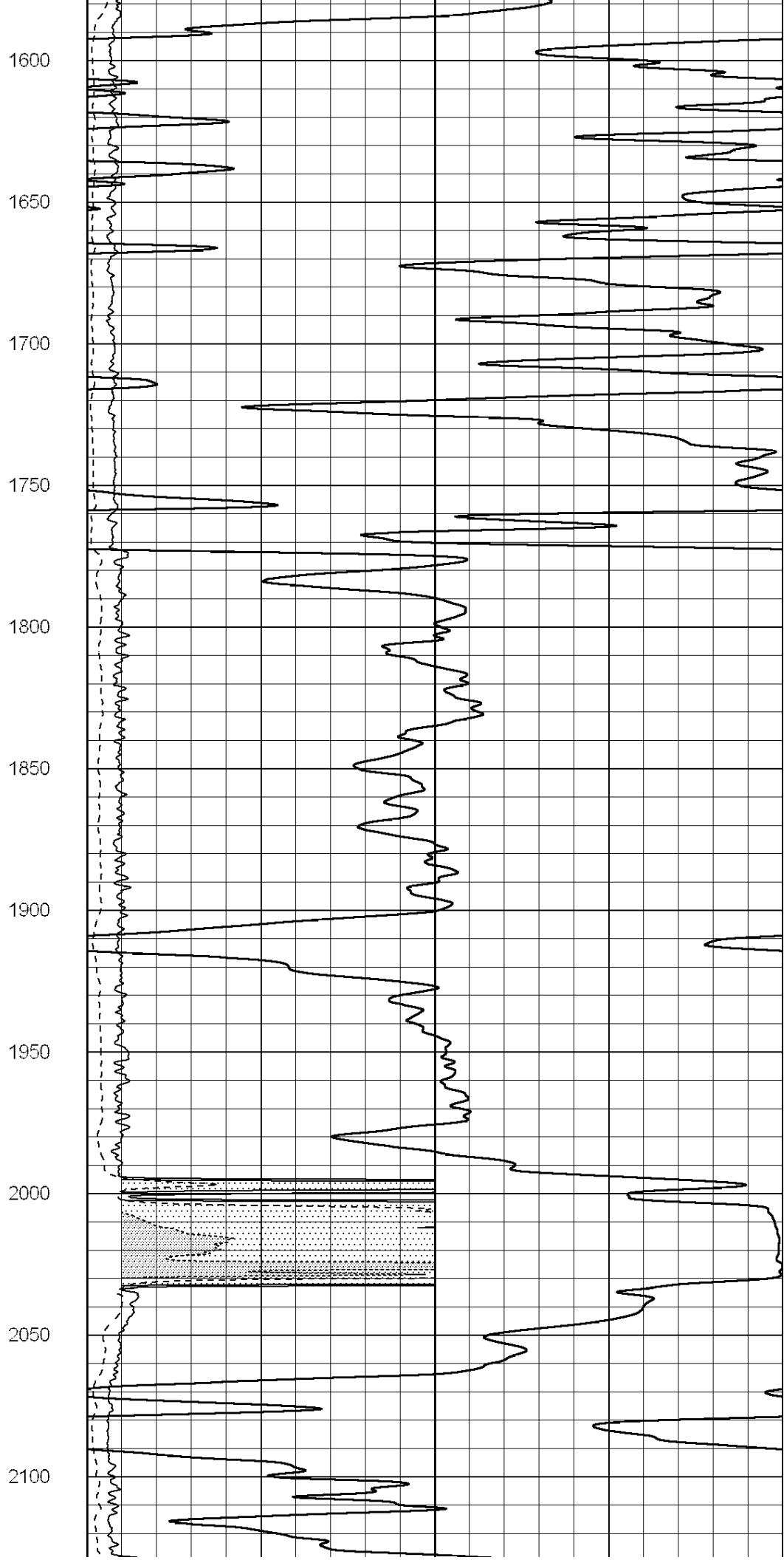
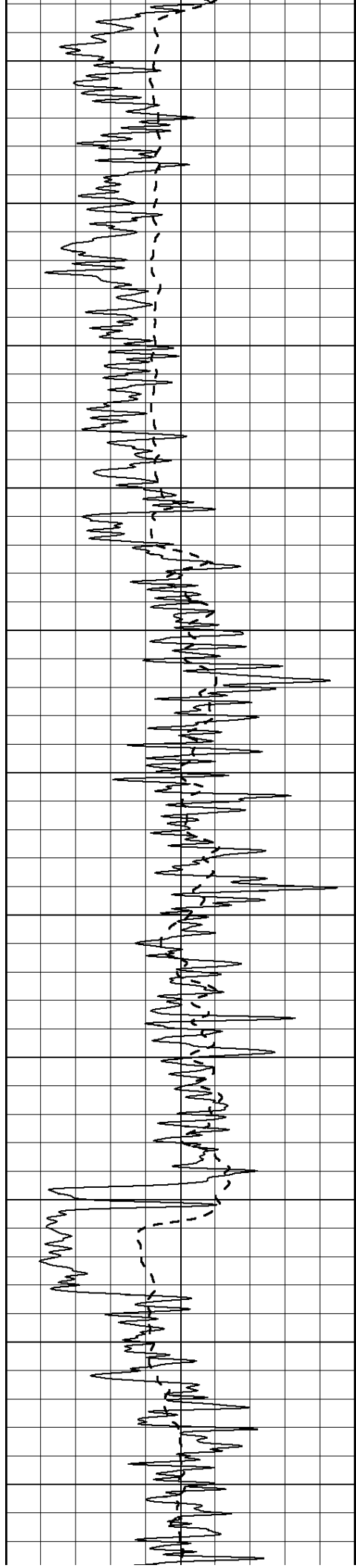
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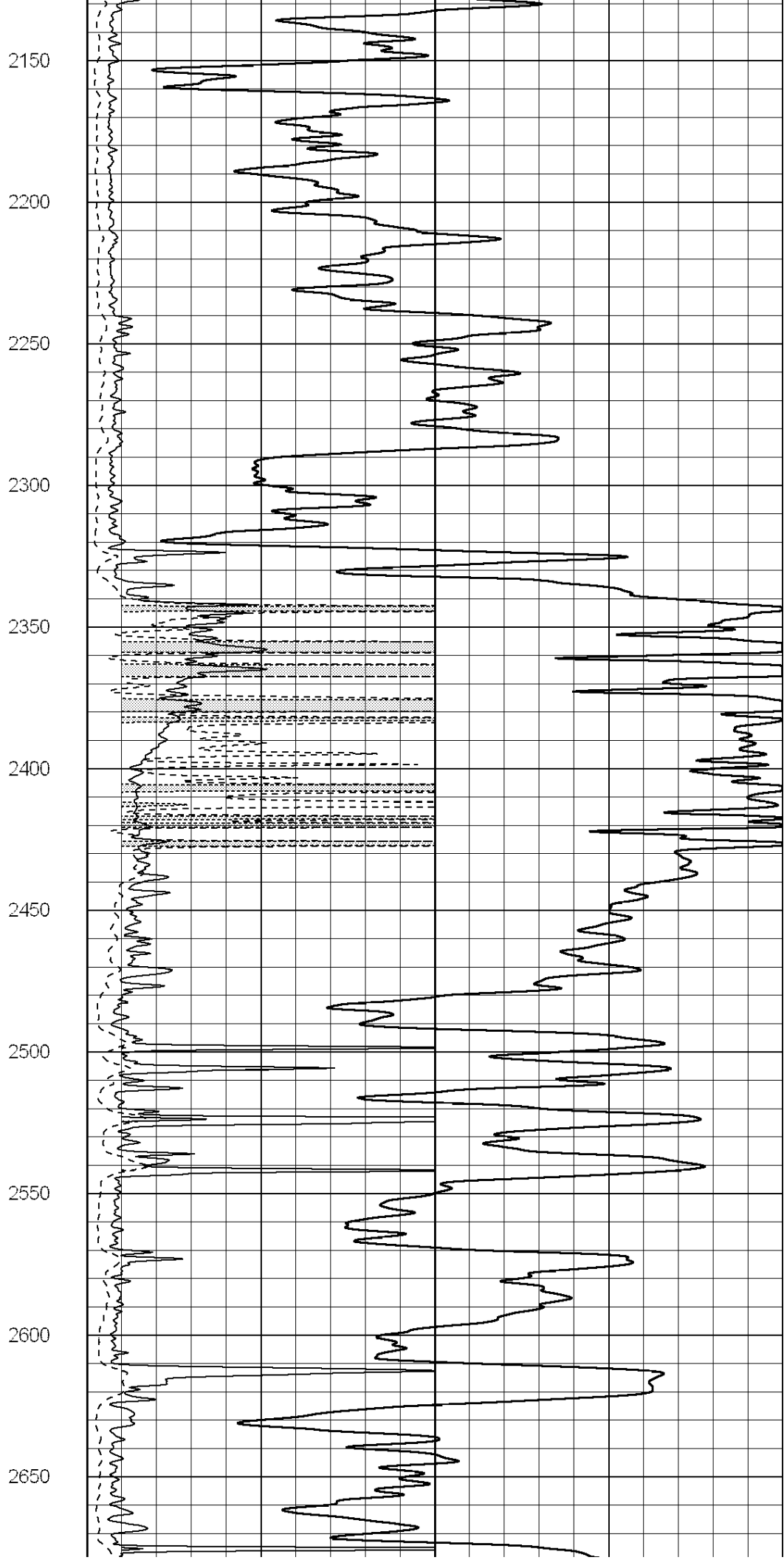
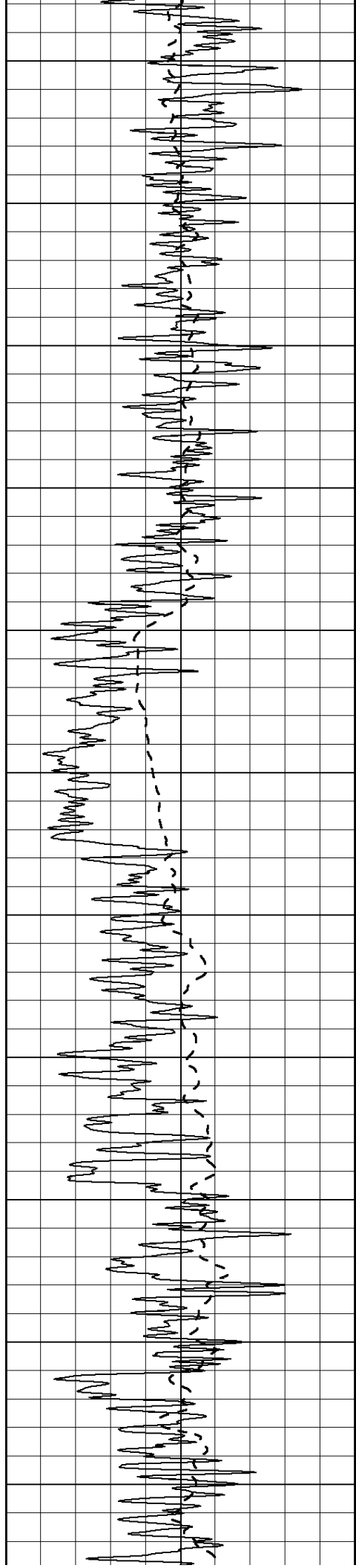
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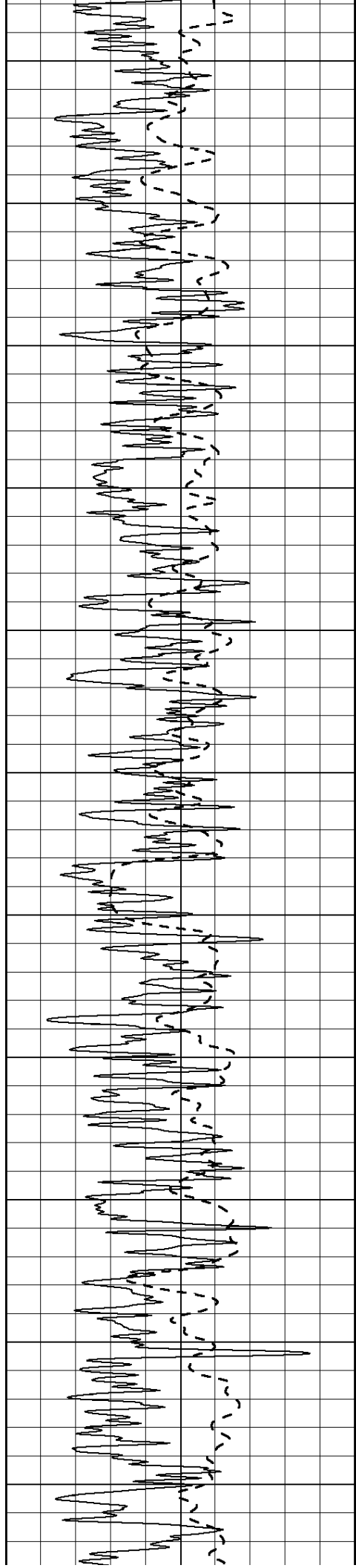
1500

1550









2700

2750

2800

2850

2900

2950

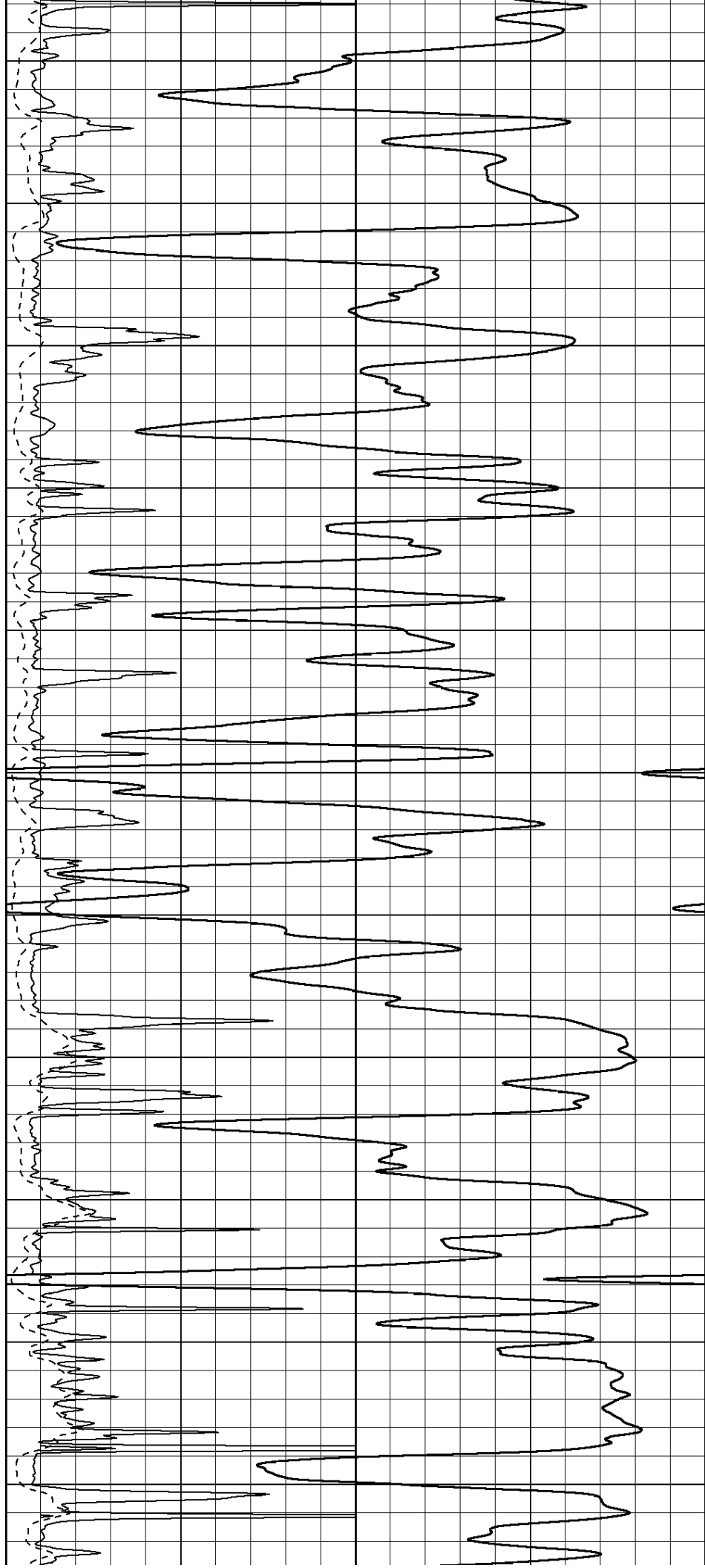
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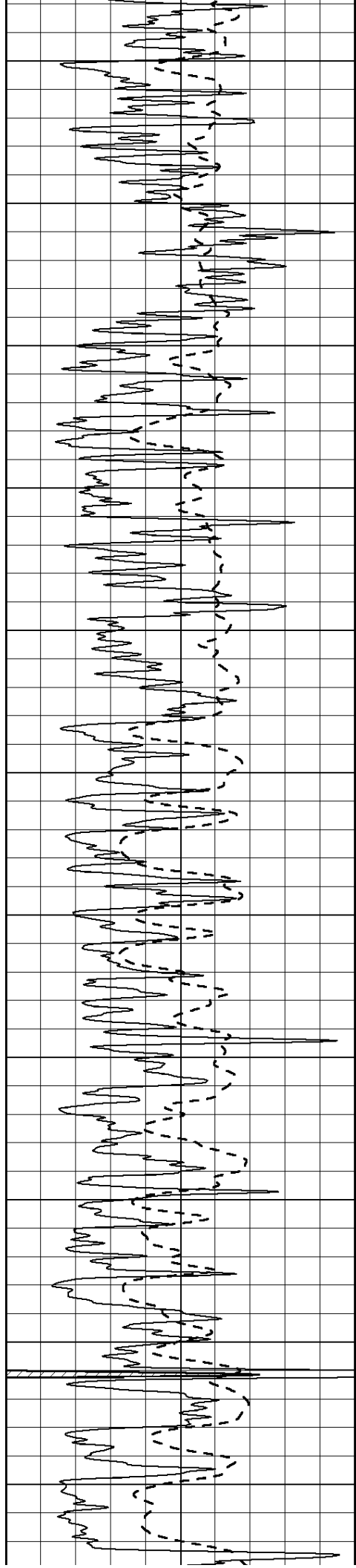
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3100

3150

3200





3250

3300

3350

3400

3450

3500

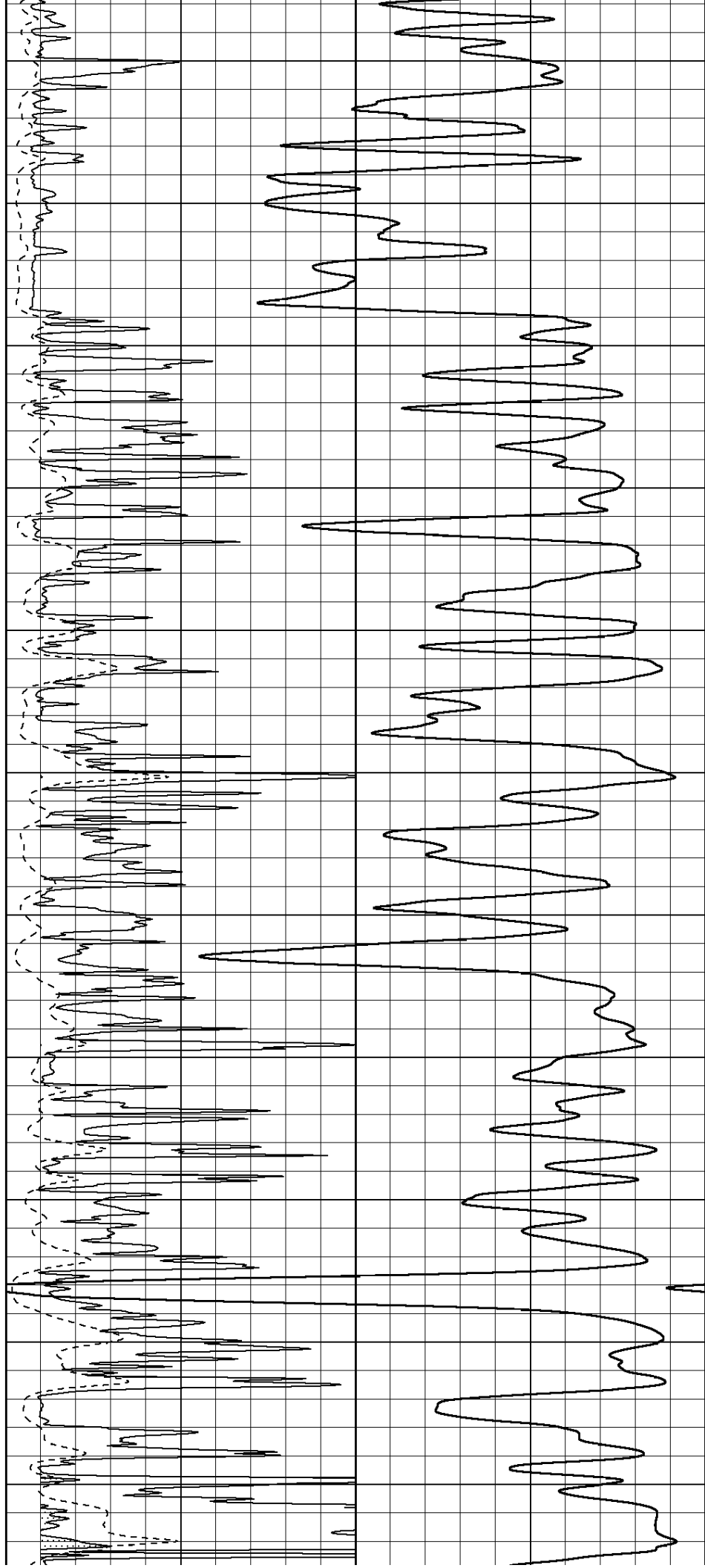
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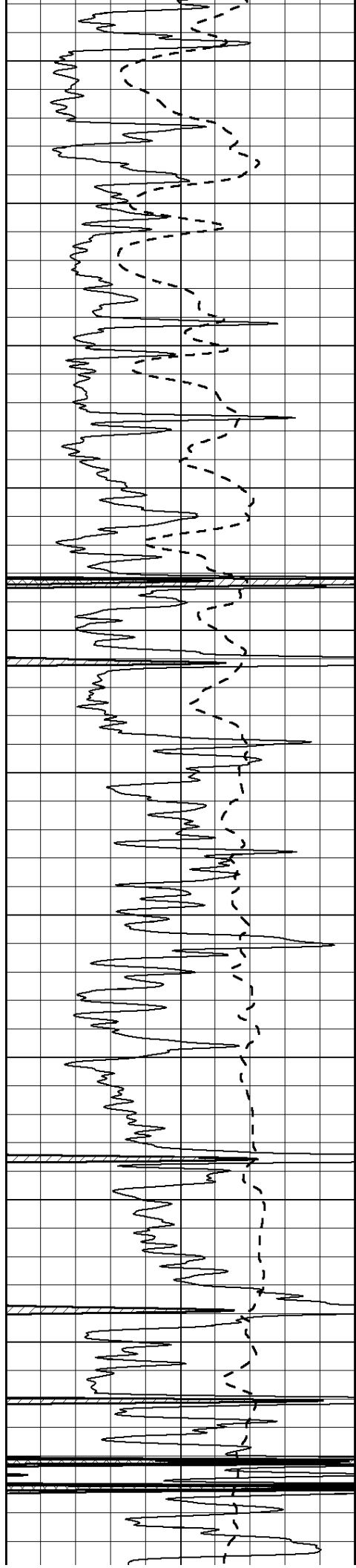
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3650

3700

3750





3800

3850

3900

3950

4000

4050

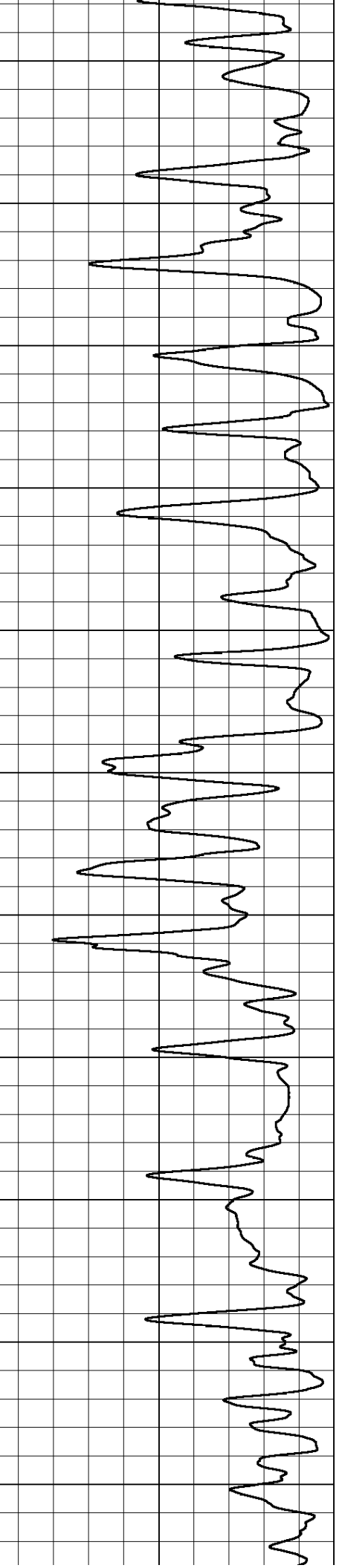
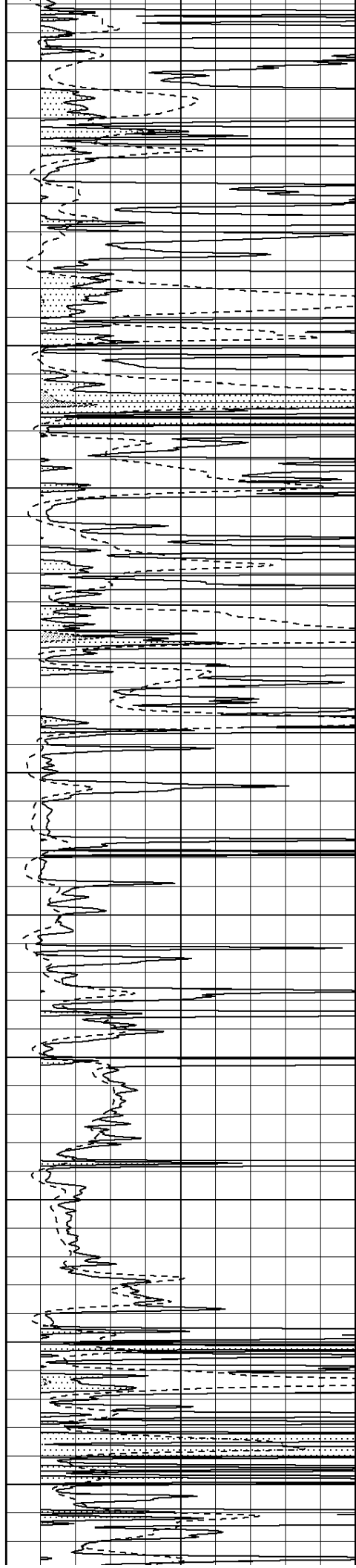
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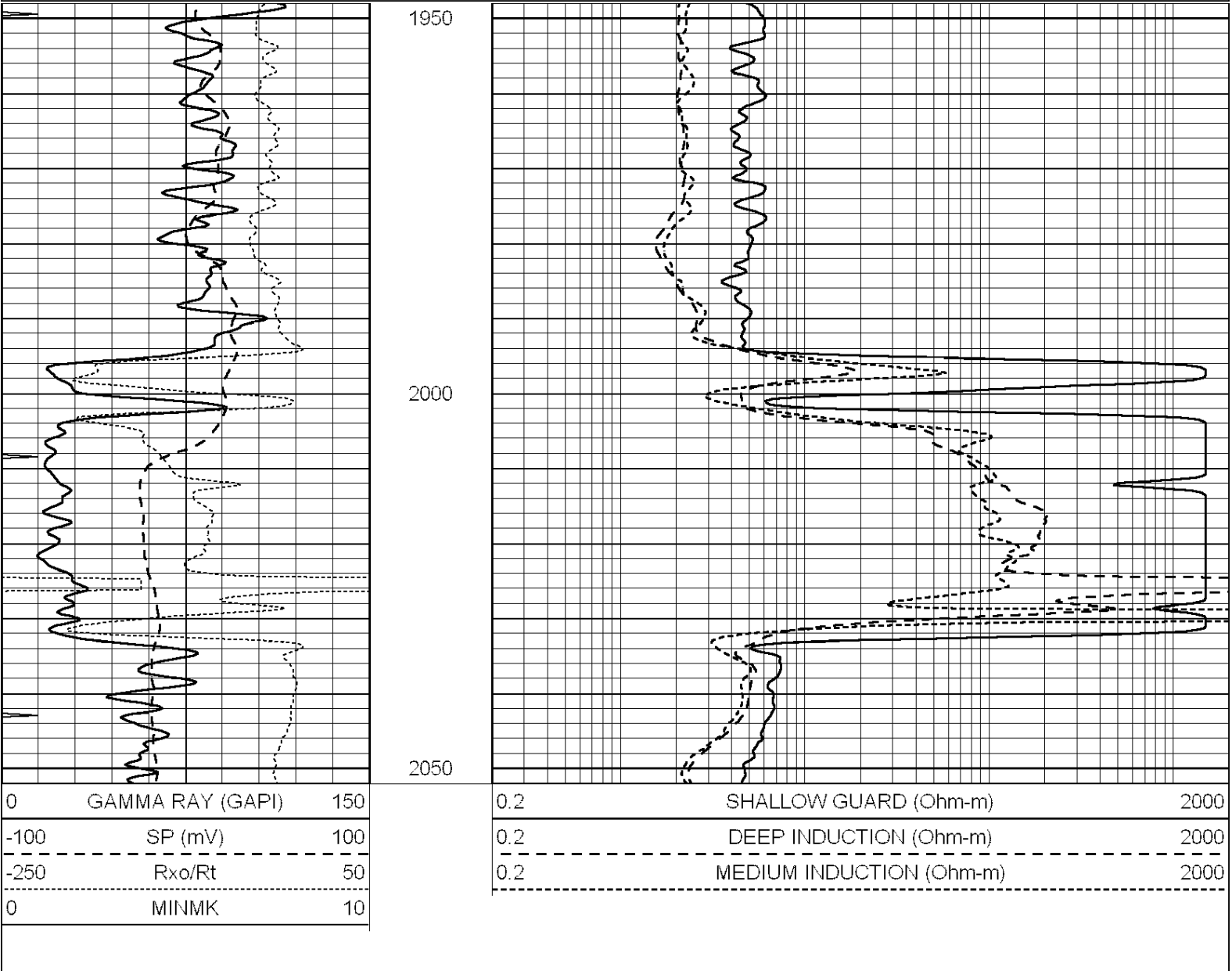
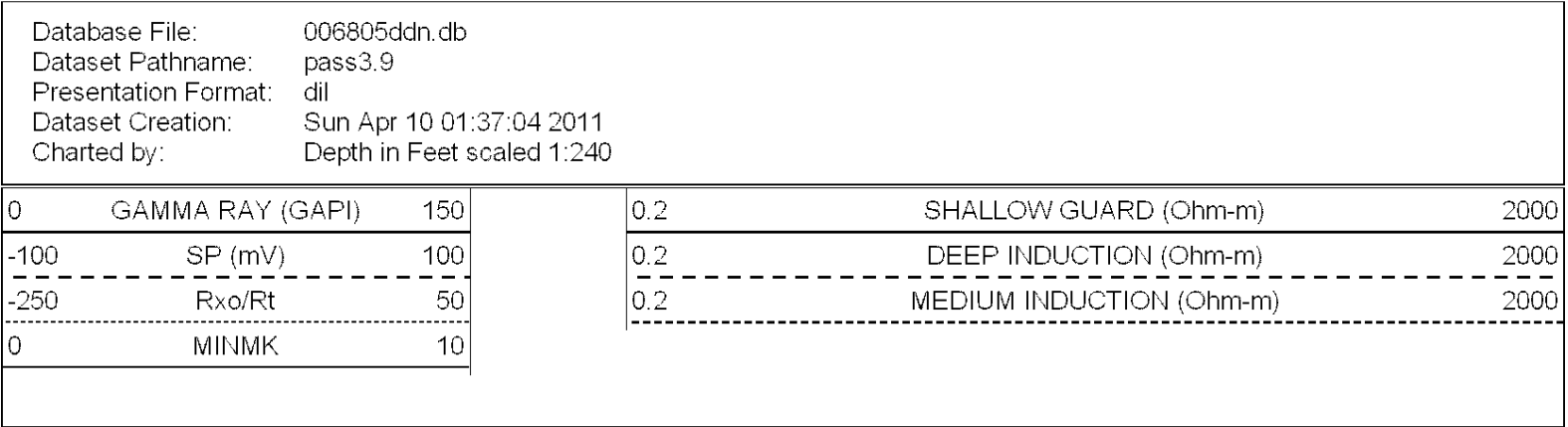
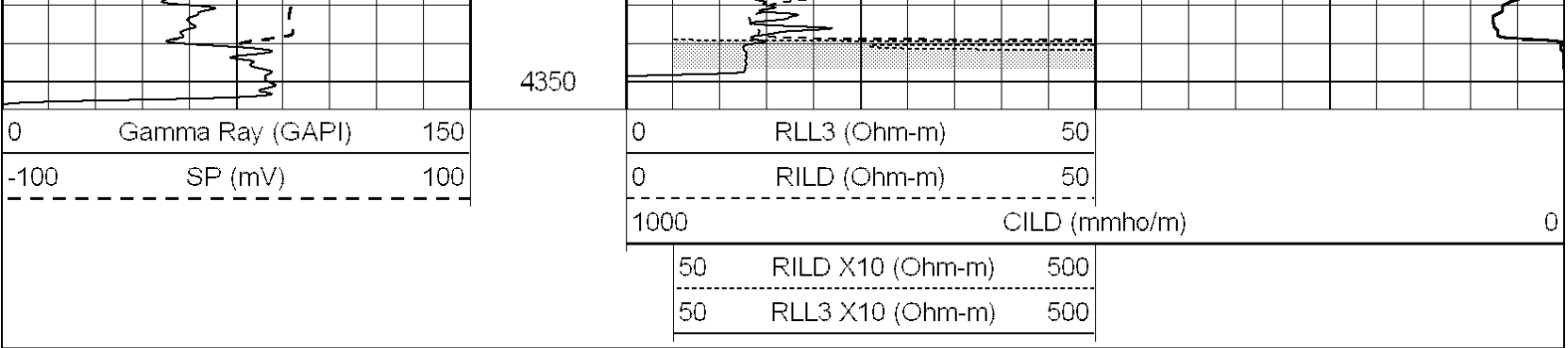
4150

4200

4250

4300

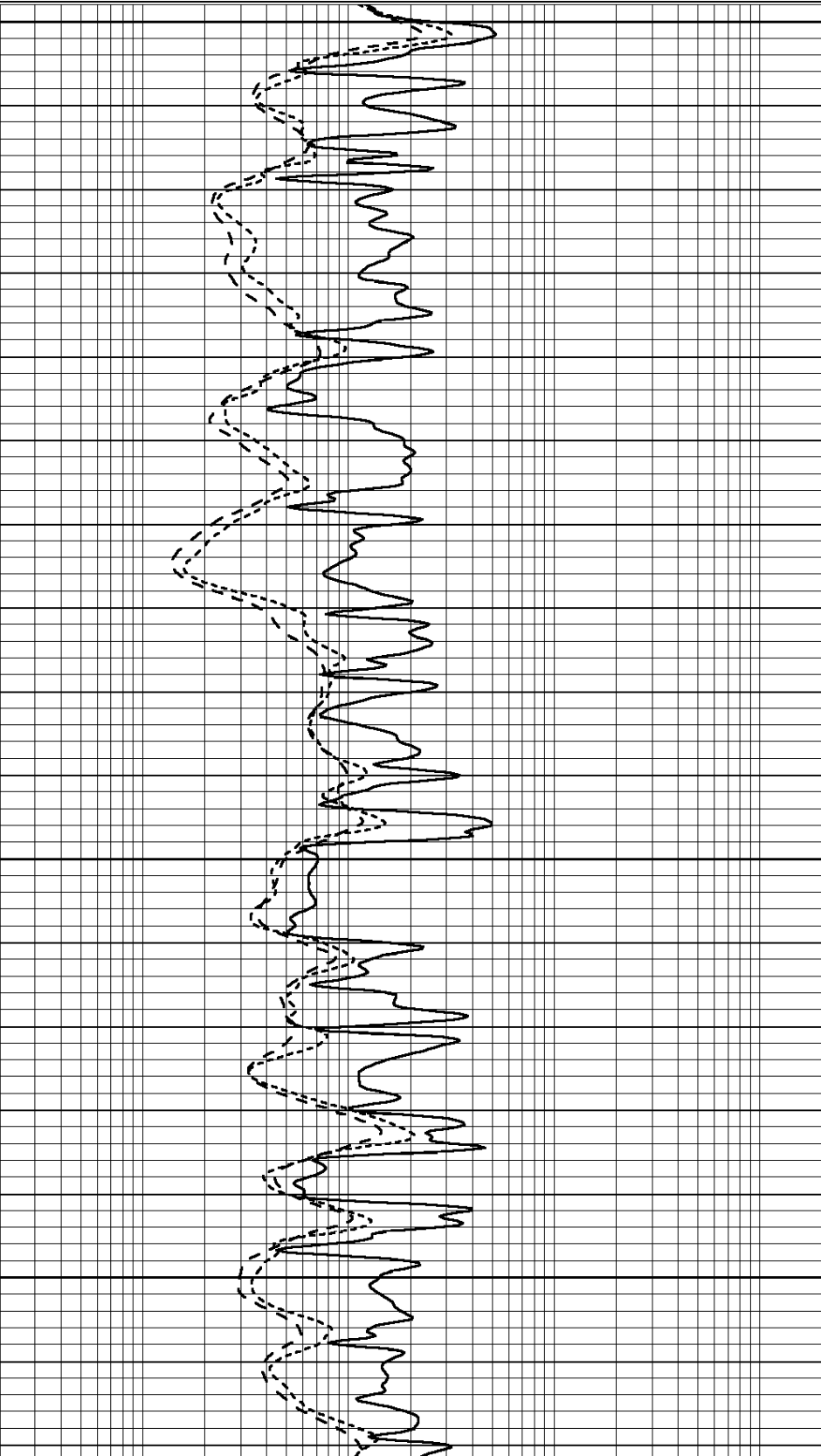
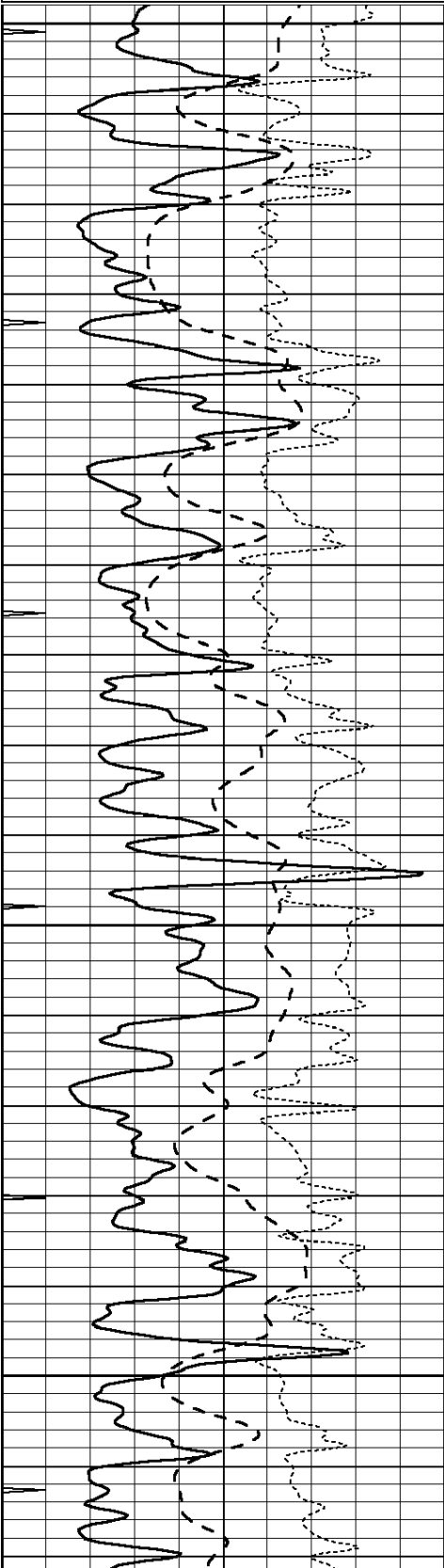


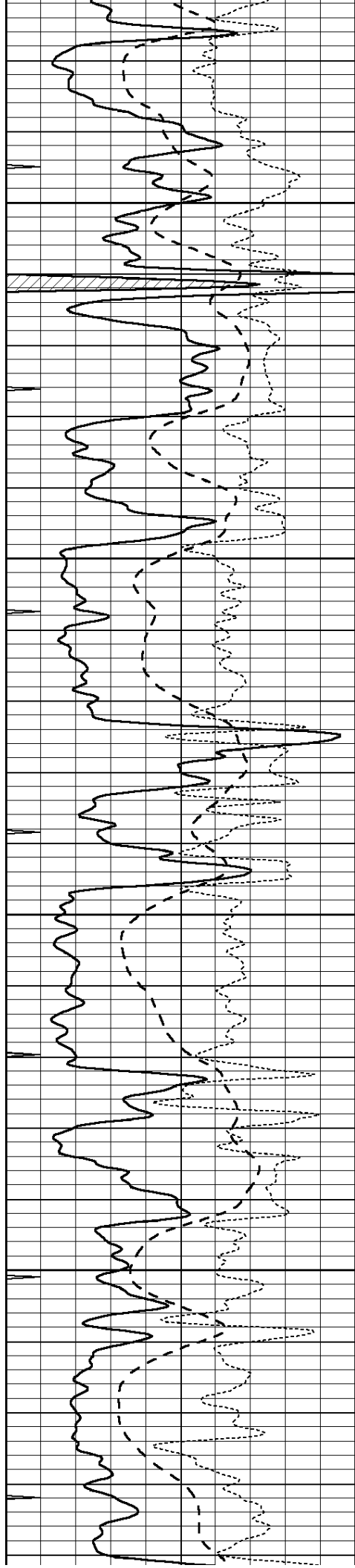


Database File: 006805ddn.db
Dataset Pathname: pass3.9
Presentation Format: dil
Dataset Creation: Sun Apr 10 01:37:04 2011
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10

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



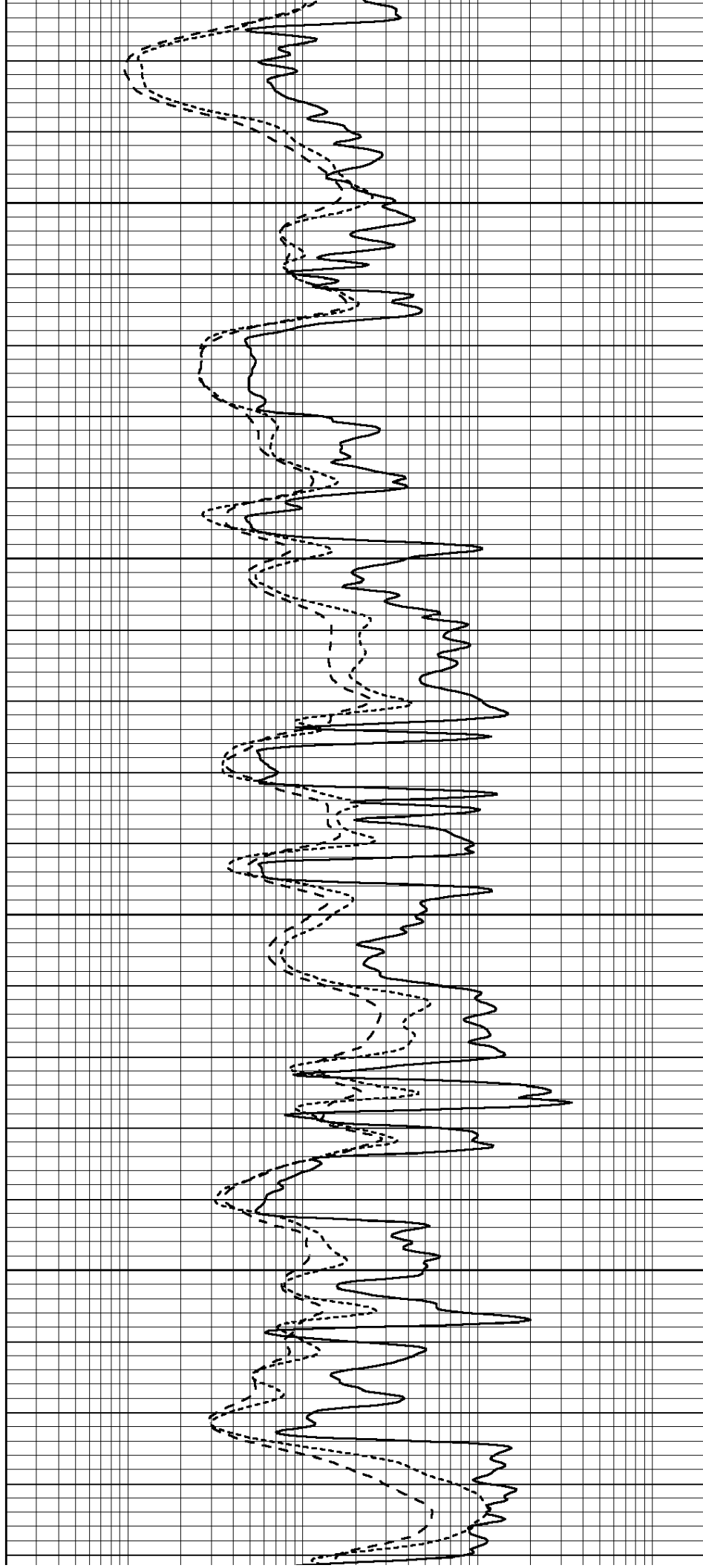


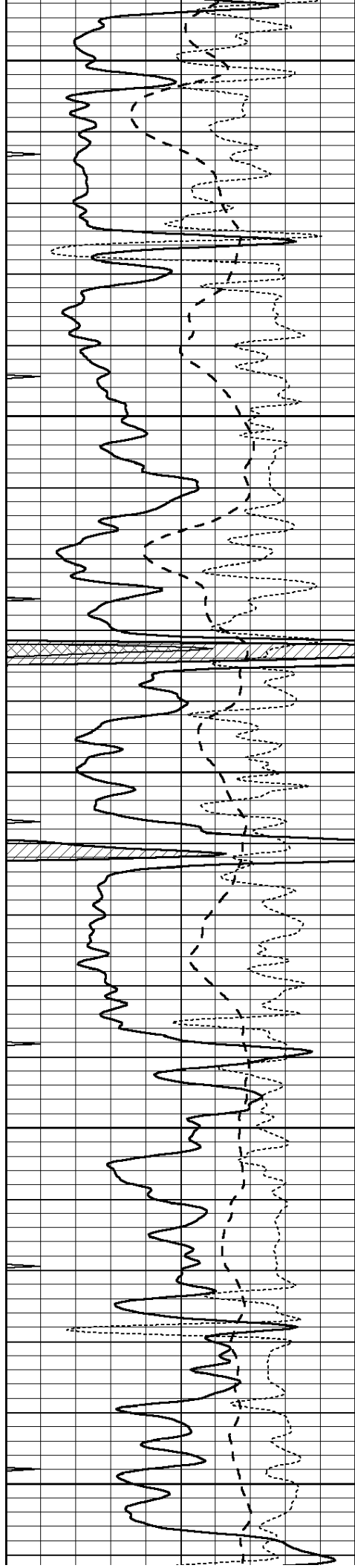
3700

3750

3800

3850





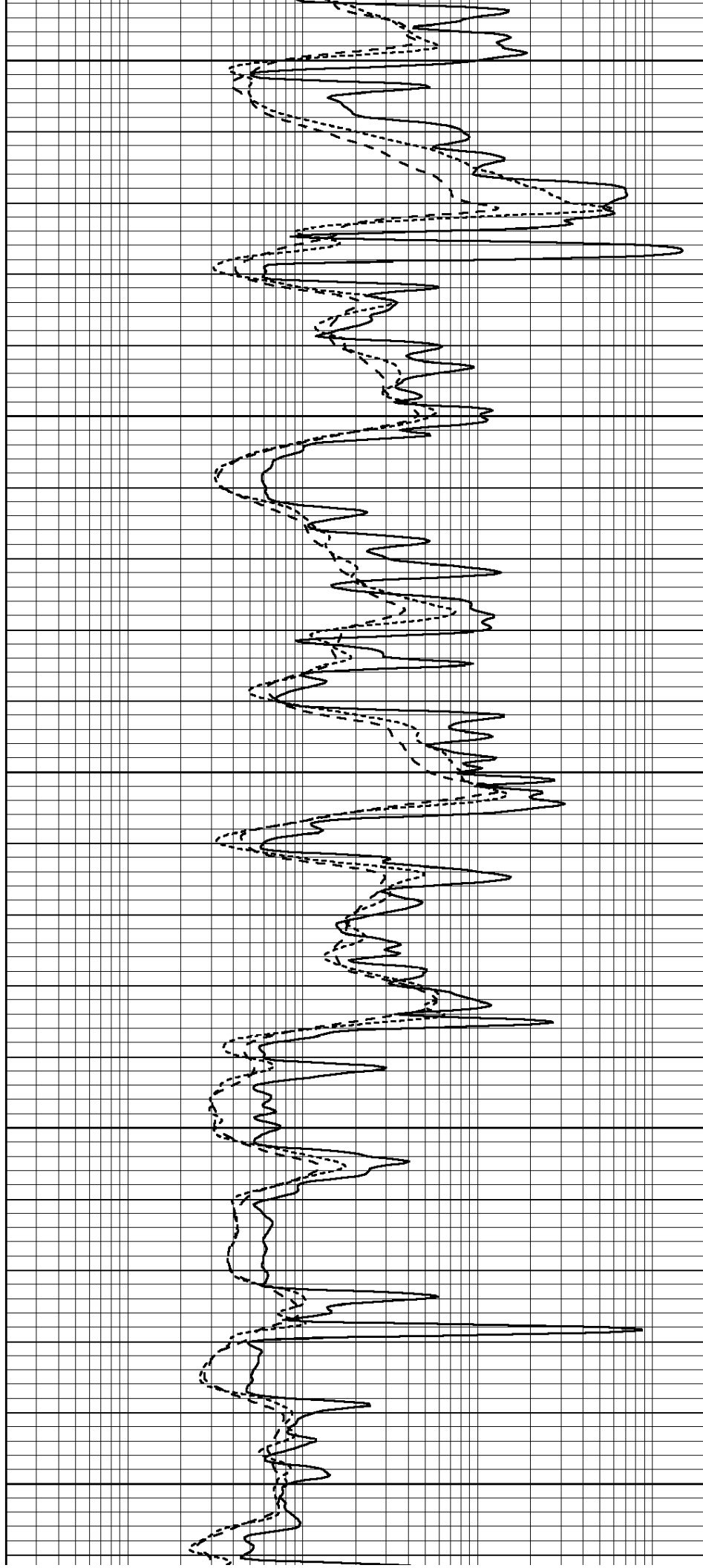
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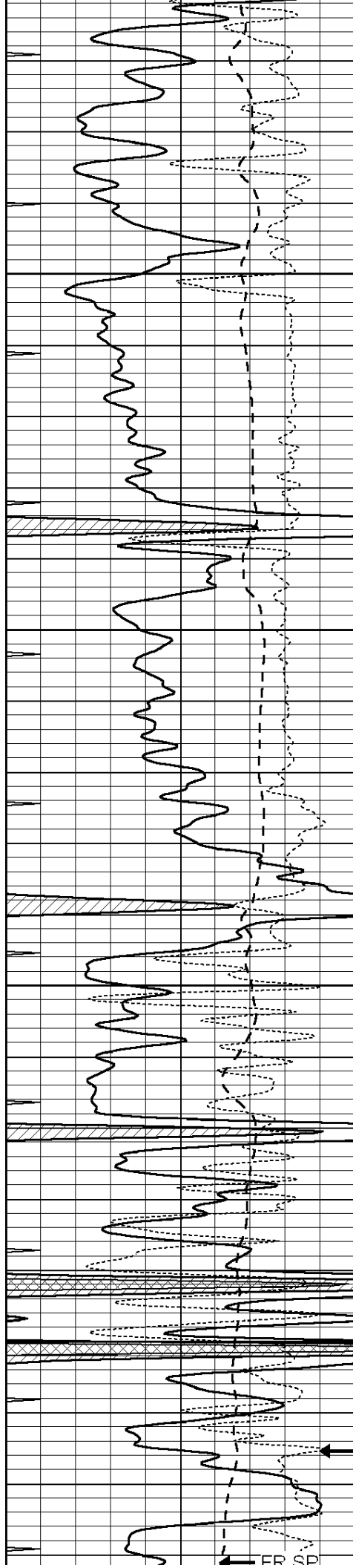
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4000

4050

4100





4150

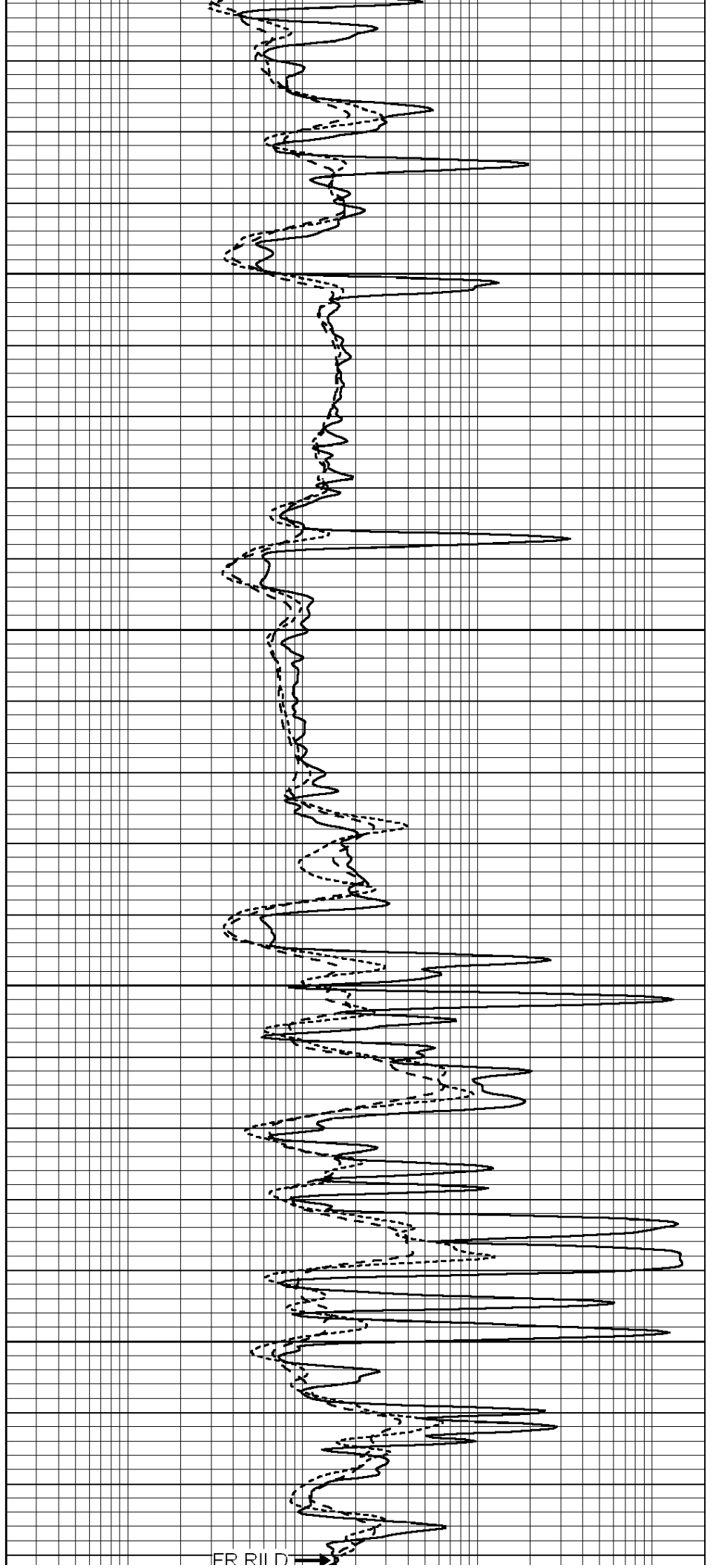
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4250

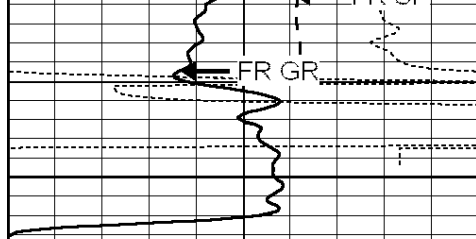
4300

RxoRt

FR SP



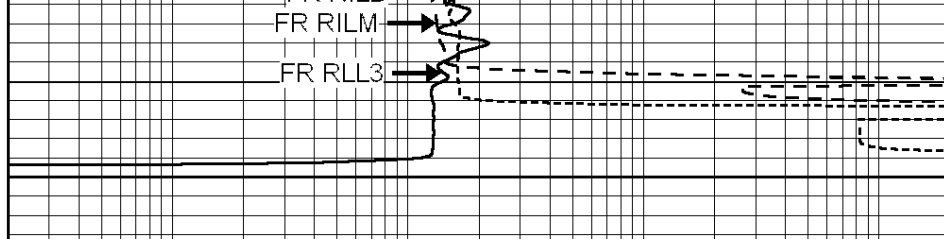
FR RII D



LTD 4341

4350

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10



FR RILM

FR RLL3

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



SUPERIOR

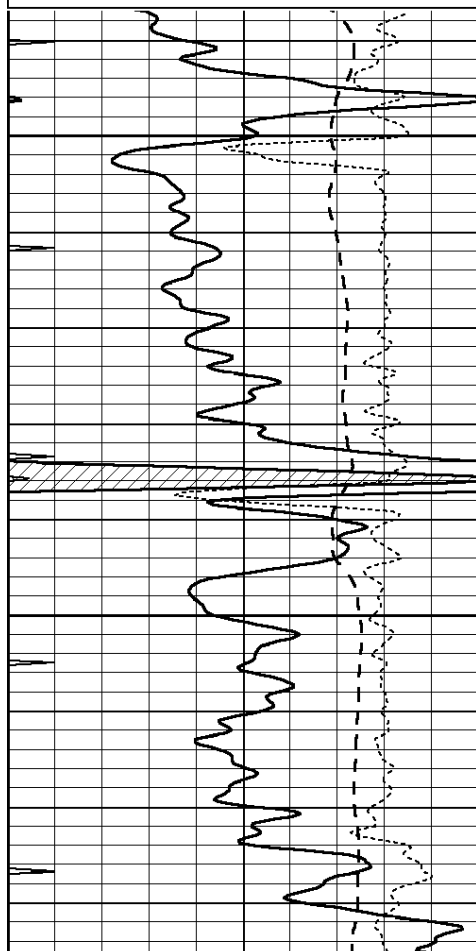
Hays,
Kansas

REPEAT SECTION

Database File: 006805ddn.db
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 Presentation Format: dil
 Dataset Creation: Sun Apr 10 01:40:56 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

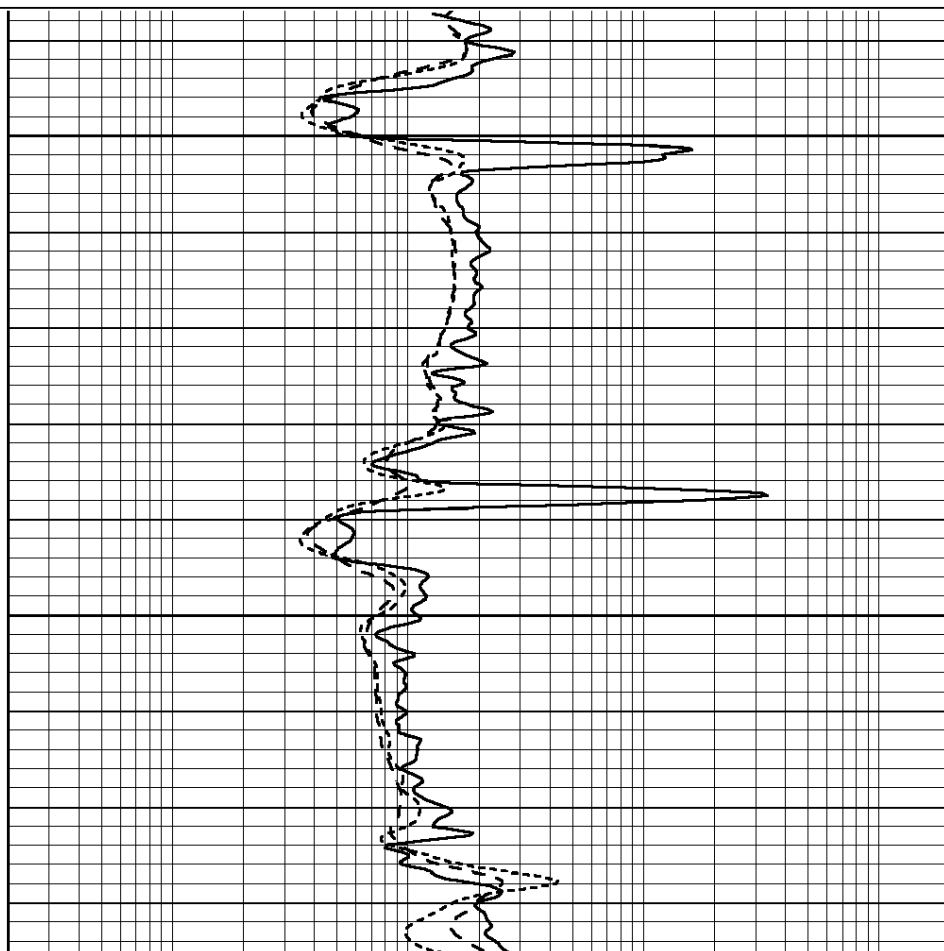
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-250	Rxo/Rt	50
0	MINMK	10

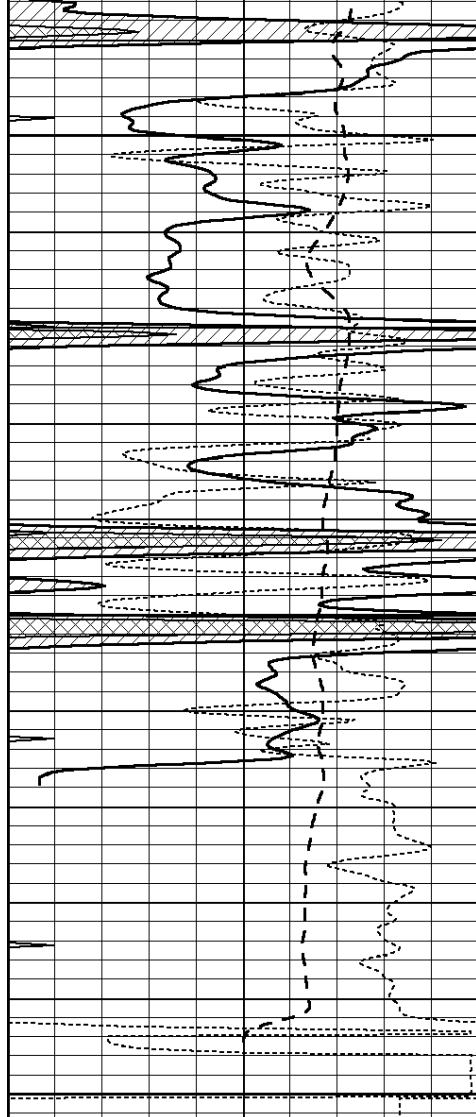
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



4150

4200



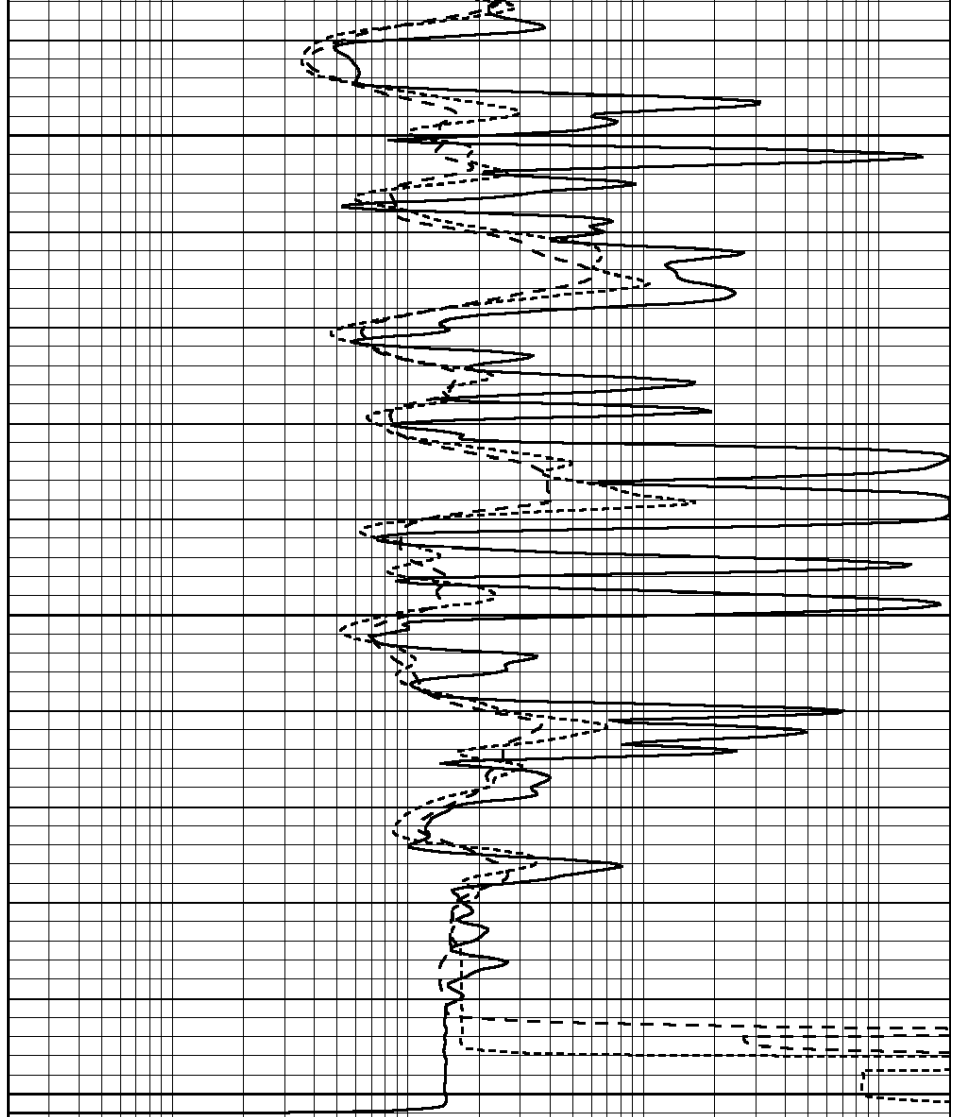


4250

4300

4350

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10



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

Calibration Report

Database File: 006805ddn.db
 Dataset Pathname: pass3.9
 Dataset Creation: Sun Apr 10 01:37:04 2011

Dual Induction Calibration Report

Serial-Model: DIL6-GEAR
 Performed: Tue Mar 29 02:36:46 2011

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho/m	660.000	-4.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-21.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1686.6	11612.8	3932.0	12718.8	cps
Window 2	1531.4	9204.7	3267.8	9851.9	cps
Window 3	1198.3	4733.6	1952.5	4920.6	cps
Window 4	317.3	321.2	325.9	303.6	cps
Long Space	0.0	7673.3	1736.4	8320.4	cps
Short Space	1.7	2548.5	1657.2	2628.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio	: 0.569
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept	: -18.1

Caliper

	Readings	Reference	
Low Ref	4.0	6.7	
High Ref	6.2	14.0	
	Gain: 3.2		Offset: -6.2

Compensated Neutron Calibration Report

Serial Number: NEU_4I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	996.00 cps	1000.00 cps	1.0000
Long Space	977.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR4
Tool Model: OPEN
Performed: Mon Apr 04 09:01:02 2011

Calibrator Value: 200.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 189.0 cps

Sensitivity: 1.7000 GAPI/cps