



**SUPERIOR
Hays,
Kansas**

DUAL INDUCTION LOG

Company	TRANS - PACIFIC OIL CORP.		
Well	STUTZ "H" #5		
Field	STUTZ EAST		
County	NESS		
State	KANSAS		
Company	TRANS - PACIFIC OIL CORPORATION		
Well	STUTZ "H" #5		
Field	STUTZ EAST		
County	NESS		
State	KANSAS		
Location:	API # : 15-135-25011-0000		Other Services CDL/CNL MEL
1150' FSL & 330' FWL			
SEC 8 TWP 17S RGE 25W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2529
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	1/6/10		
Run Number	CNE		
Depth Driller	4550		
Depth Logger	4556		
Bottom Logged Interval	4554		
Top Log Interval	00		
Casing Driller	8 5/8"@253'		
Casing Logger	252		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	9.2/56		
pH / Fluid Loss	10.0/8.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20@60F		
Rmf @ Meas. Temp	.900@60F		
Rmc @ Meas. Temp	1.44@60F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.595@121F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	10:30 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BRYCE BIDDLEMAN		

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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

ARNOLD, KS. 3W. ON HWY 4 TO "RD. H", 3 1/2S. JUST PAST WINDMILL, W. INTO CATTLEGUARD.
FOLLOW MAIN TRAIL W.&N.&W. 1 MILE, AFTER PASSING UNDER LARGE POWER LINES GO BACK
SOUTH & TAKE RIGHT FORK IN RD. TO LOCATION



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MAIN SECTION

Database File: 004701ddn.db
Dataset Pathname: pass4.2
Presentation Format: dil2
Dataset Creation: Thu Jan 07 00:19:22 2010 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:600

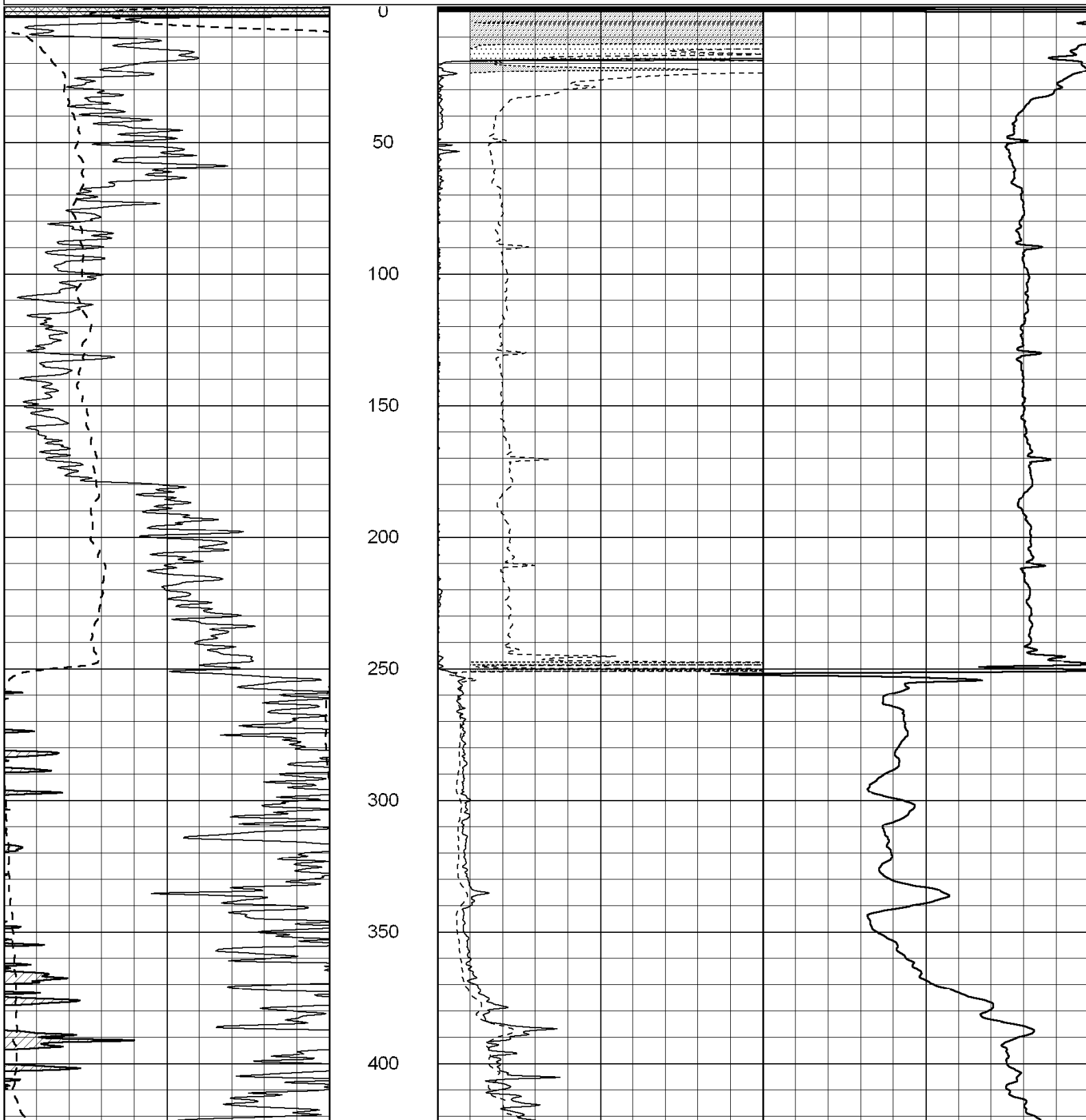
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-100	SP (mV)	100

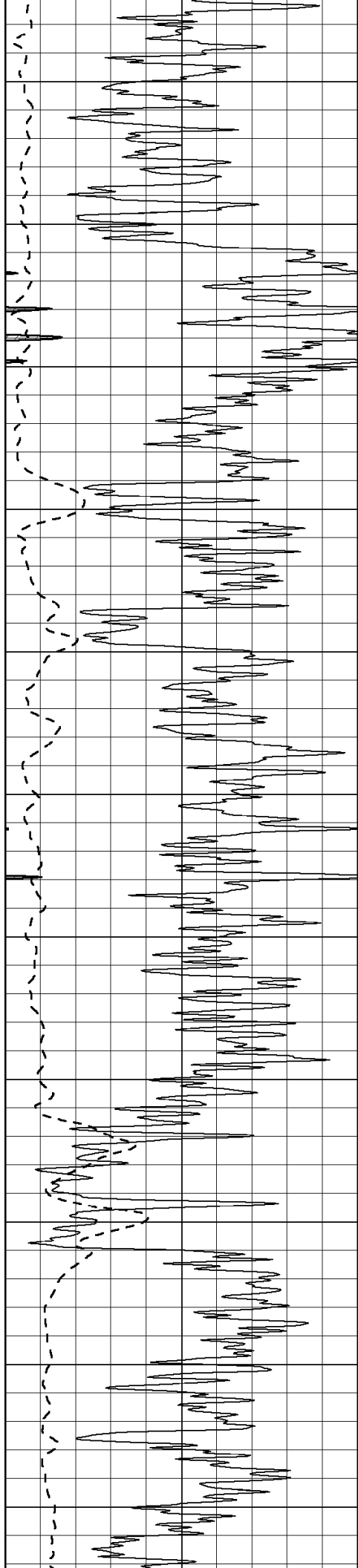
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50

1000	CILD (mmho-m)	0
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50	RILD X10 (Ohm-m)	500
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50	RLL3 X10 (Ohm-m)	500
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450

500

550

600

650

700

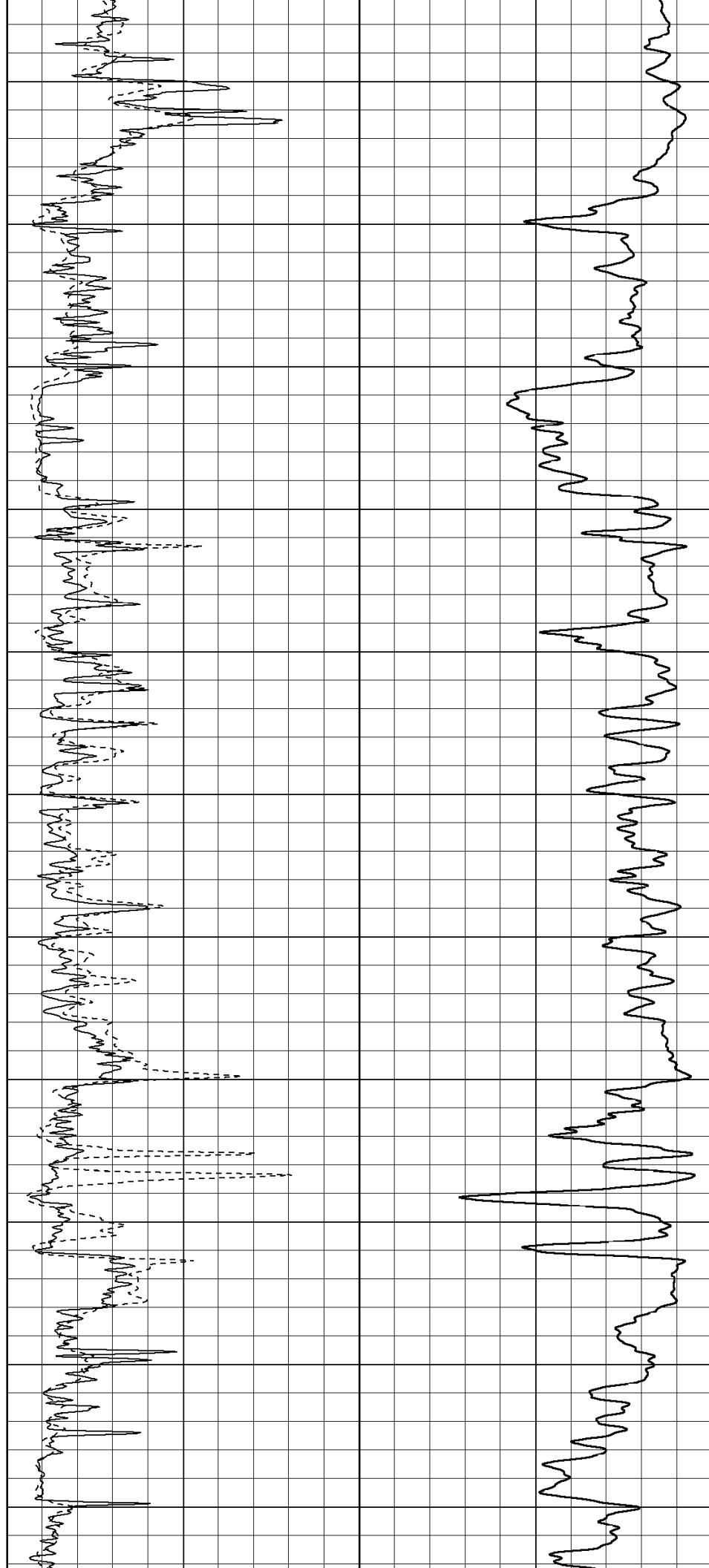
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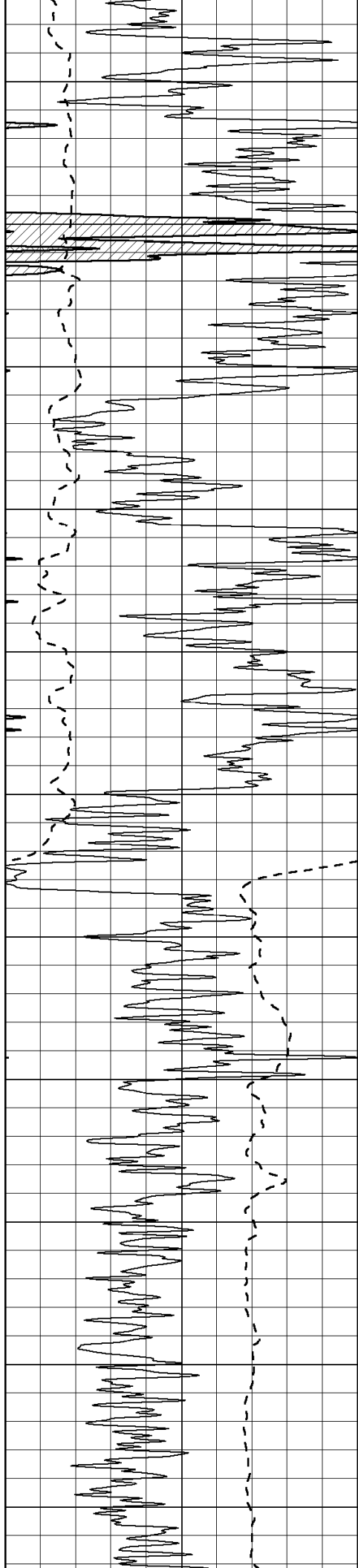
800

850

900

950





1000

1050

1100

1150

1200

1250

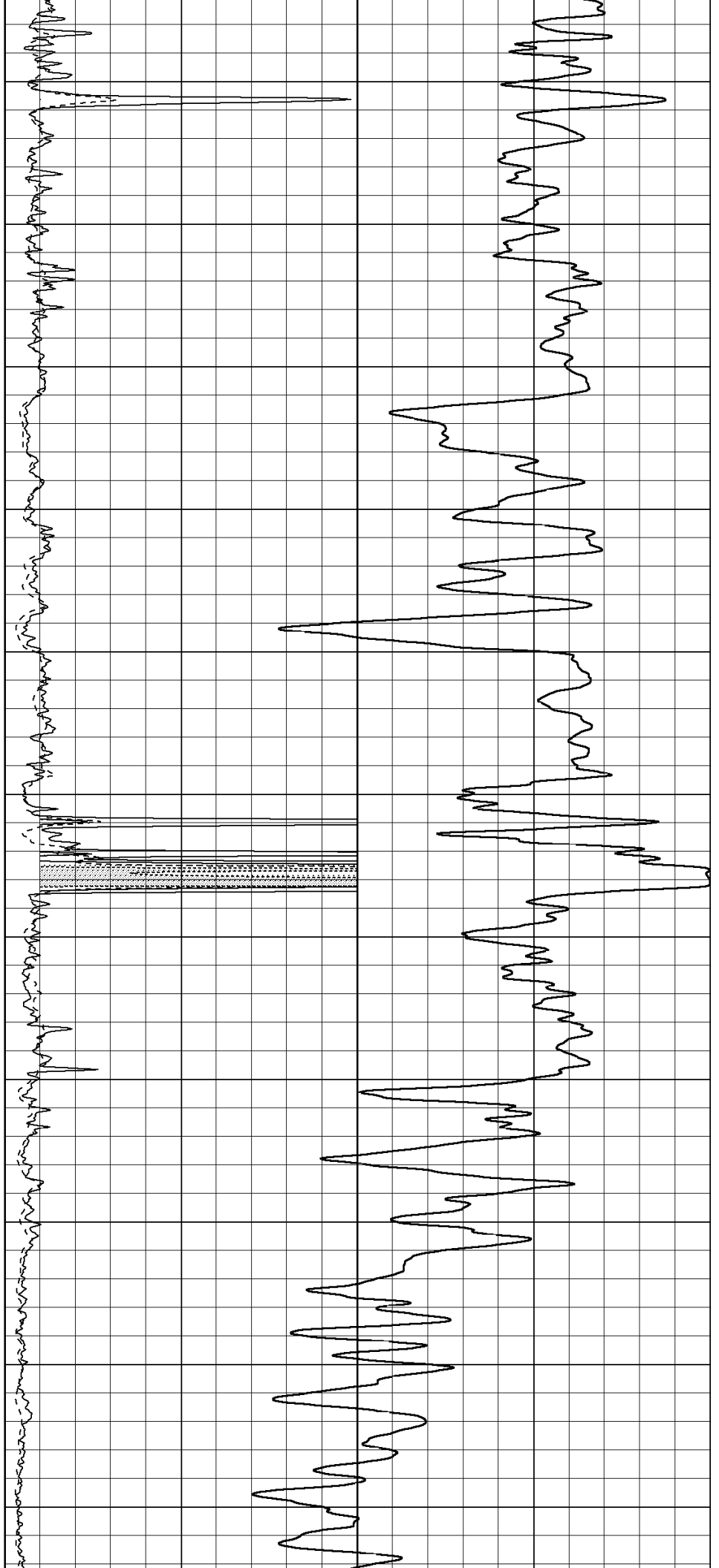
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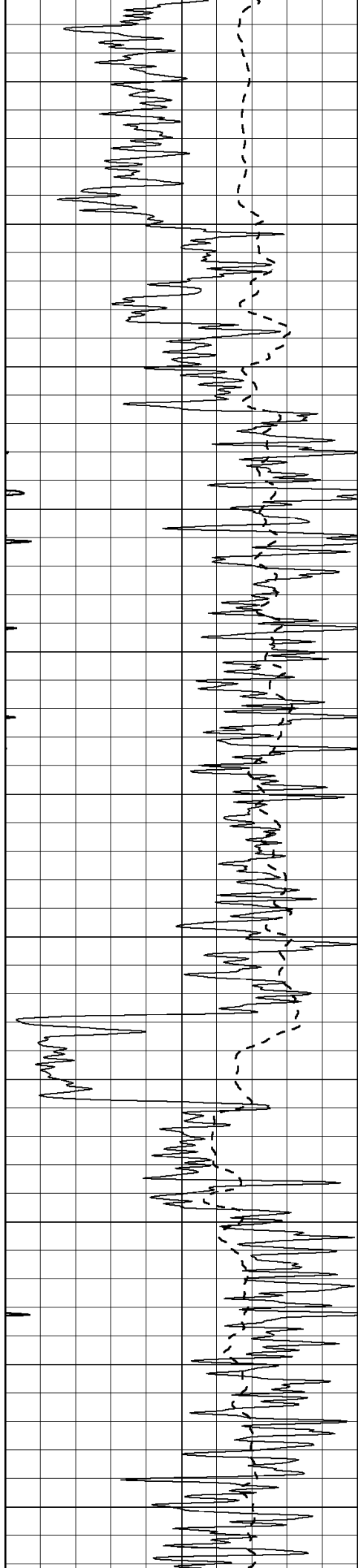
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1400

1450

1500





1550

1600

1650

1700

1750

1800

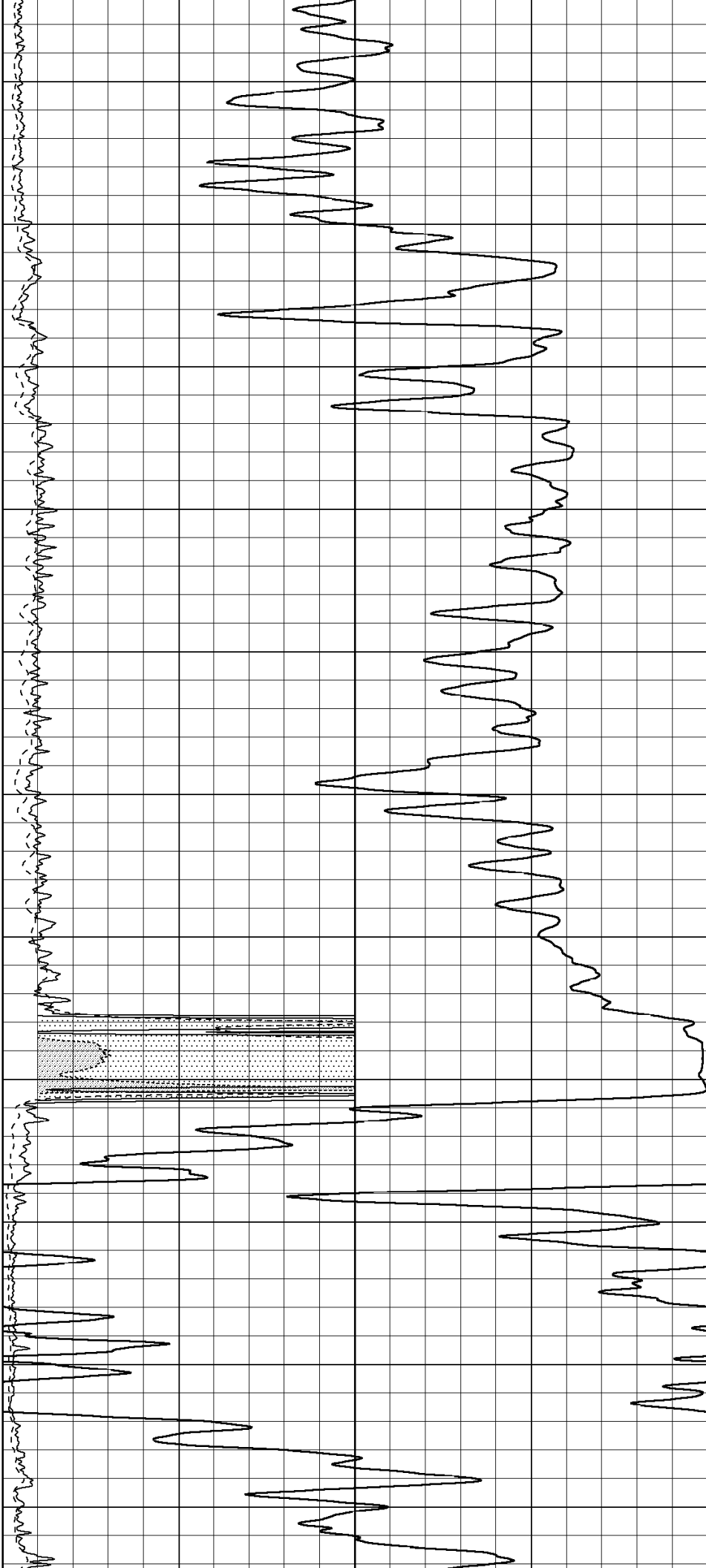
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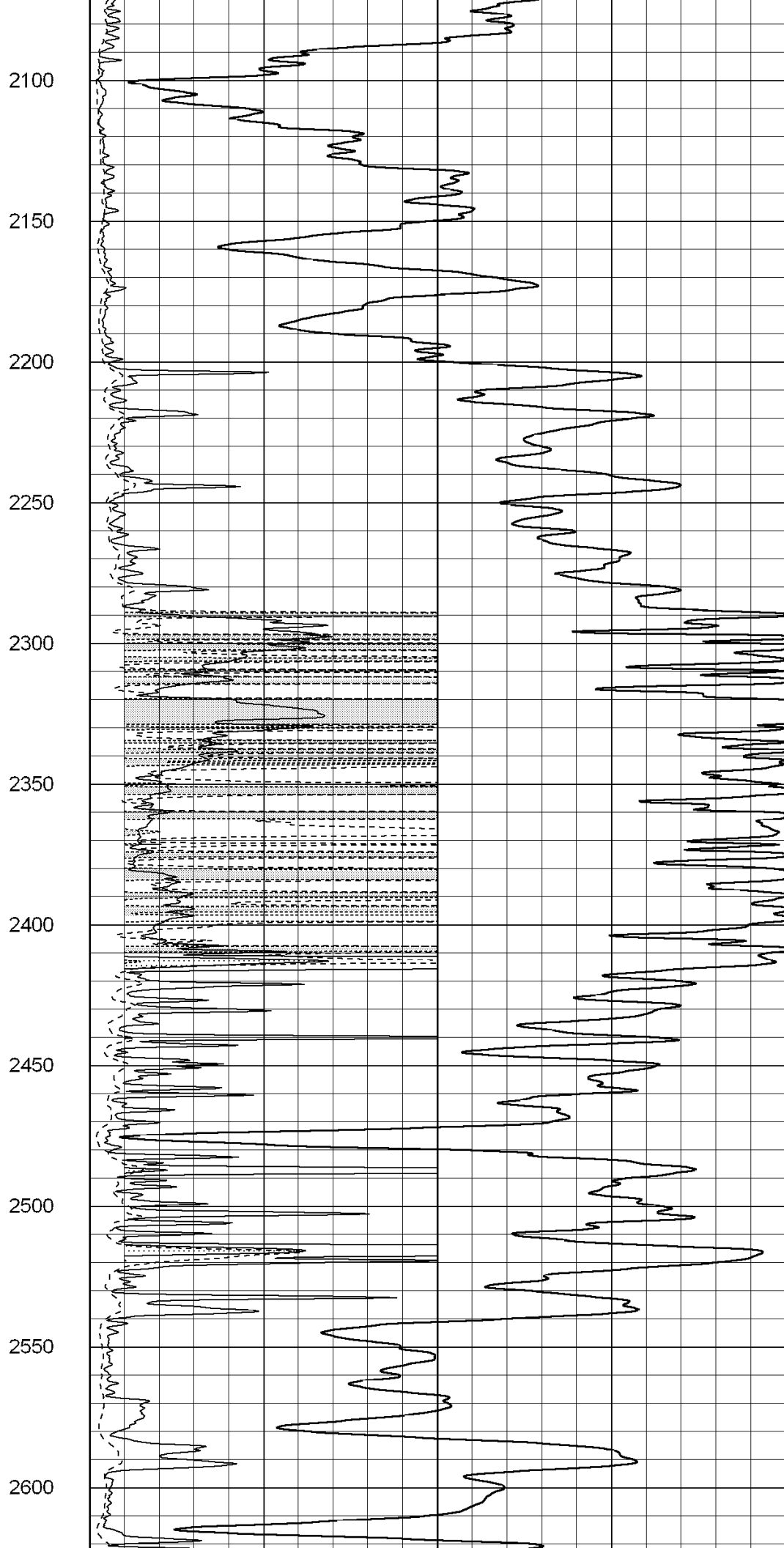
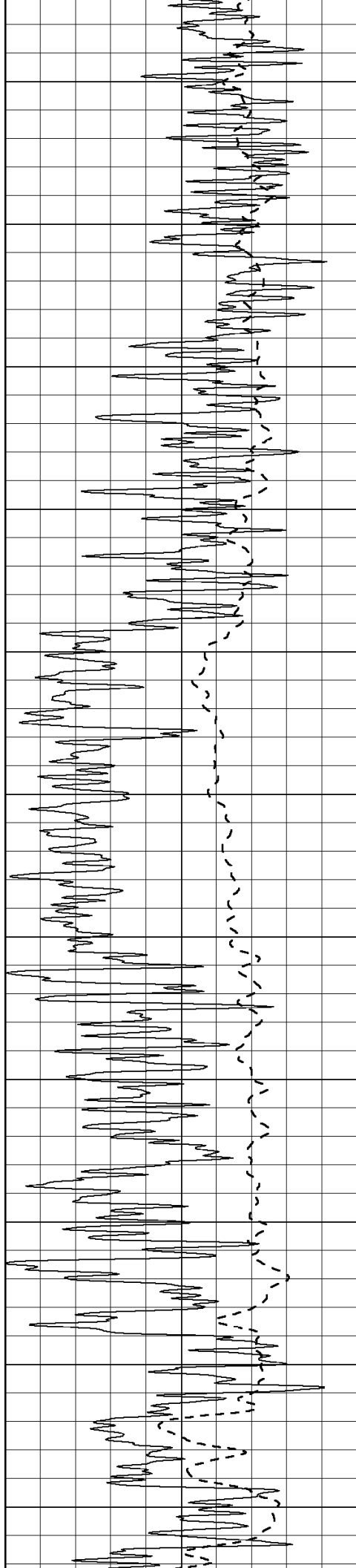
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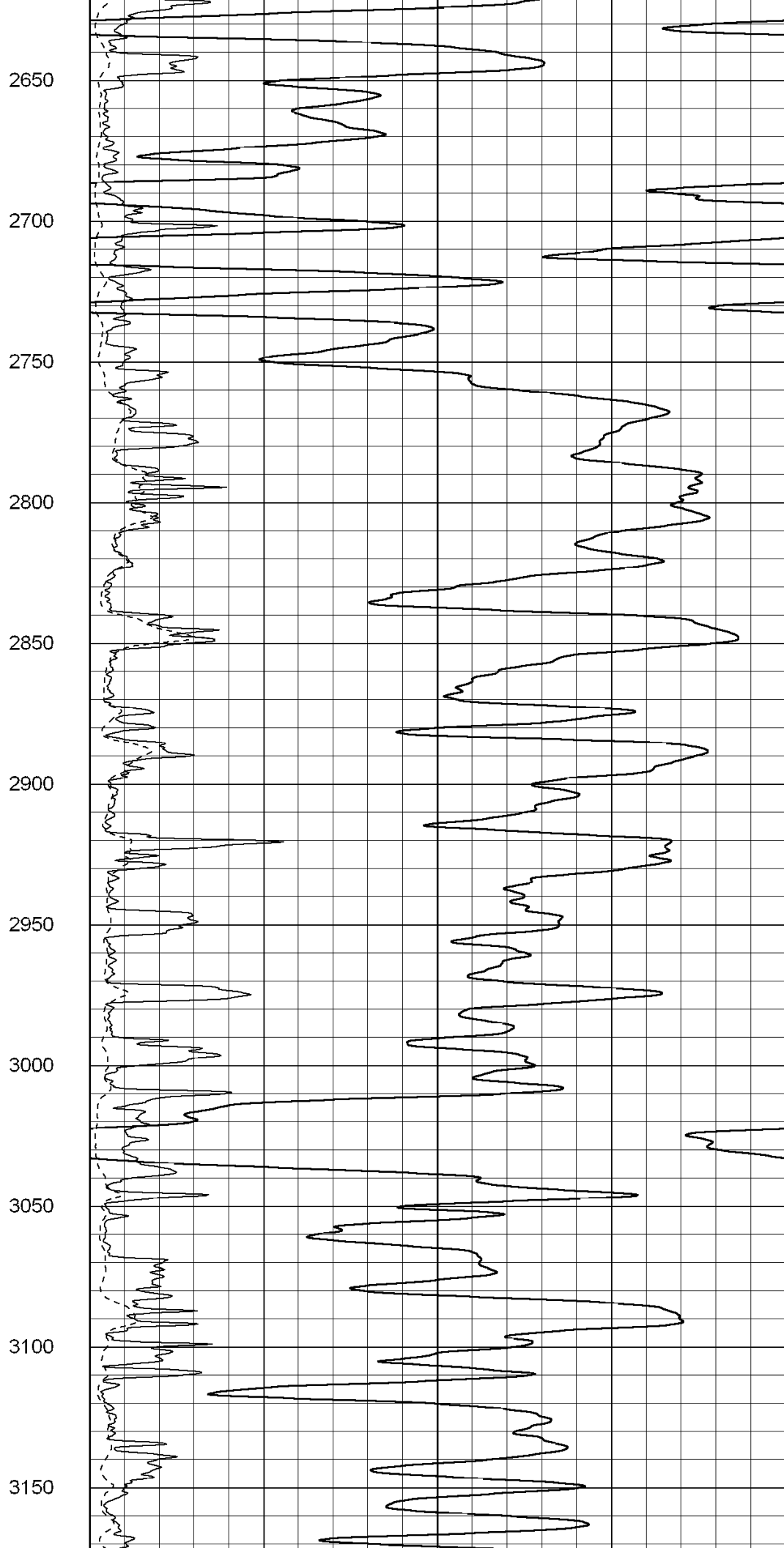
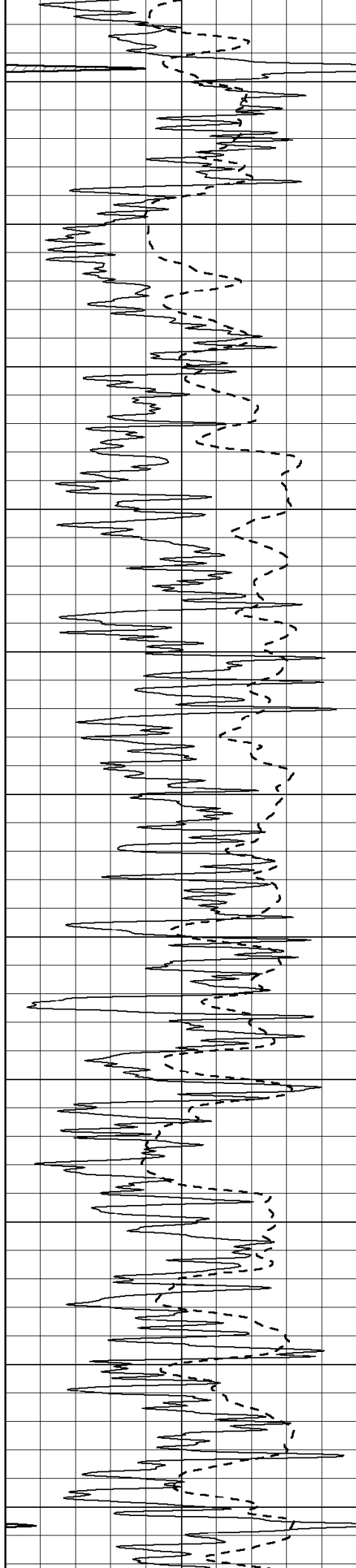
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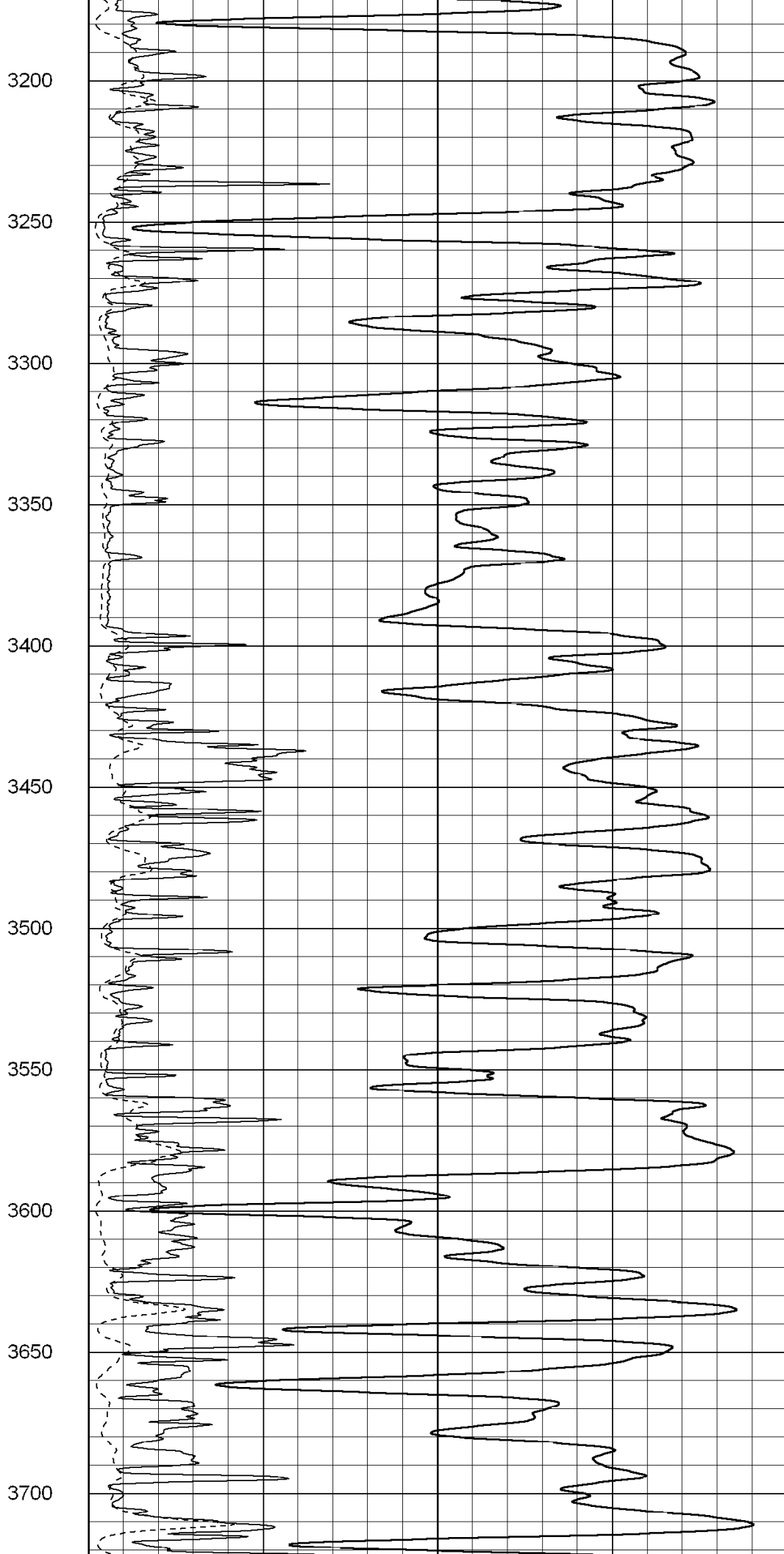
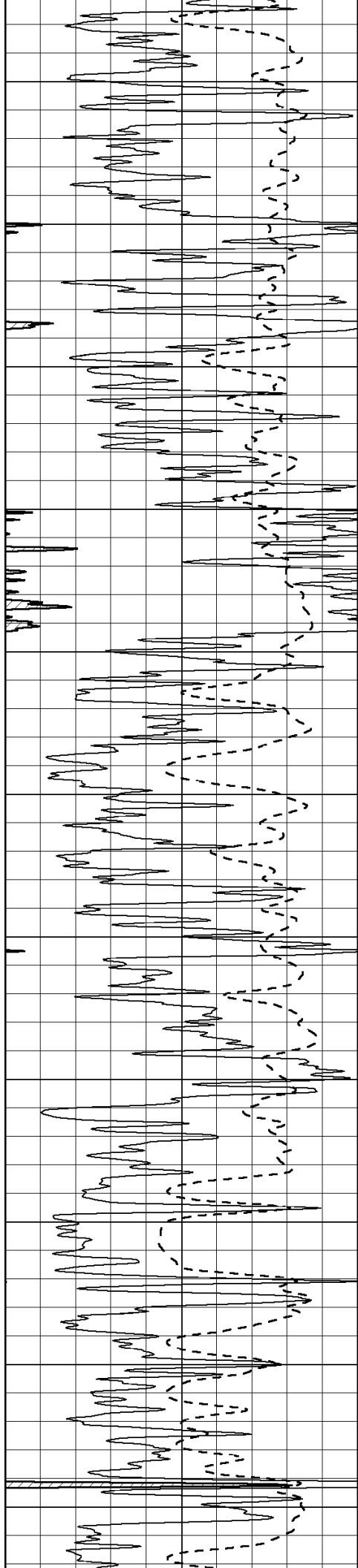
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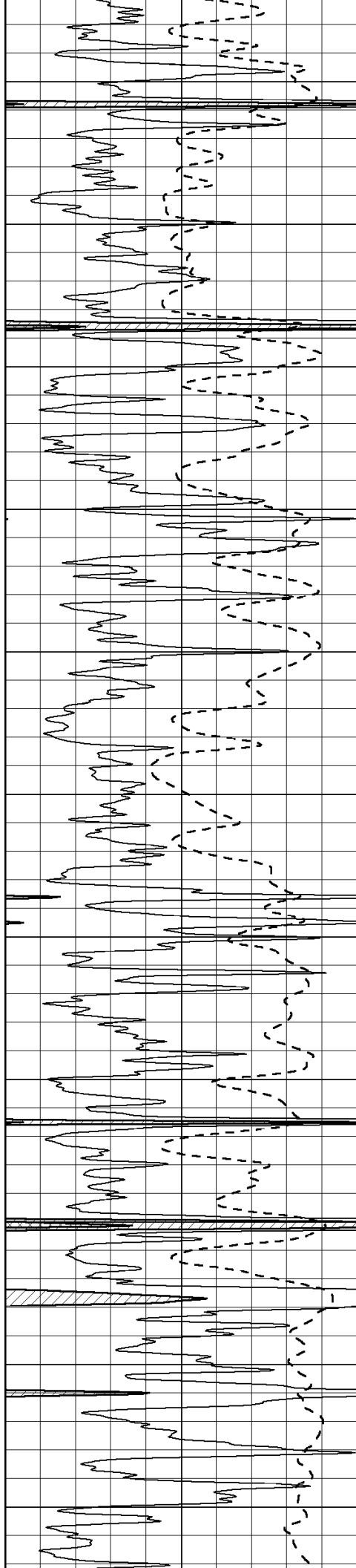
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3750

3800

3850

3900

3950

4000

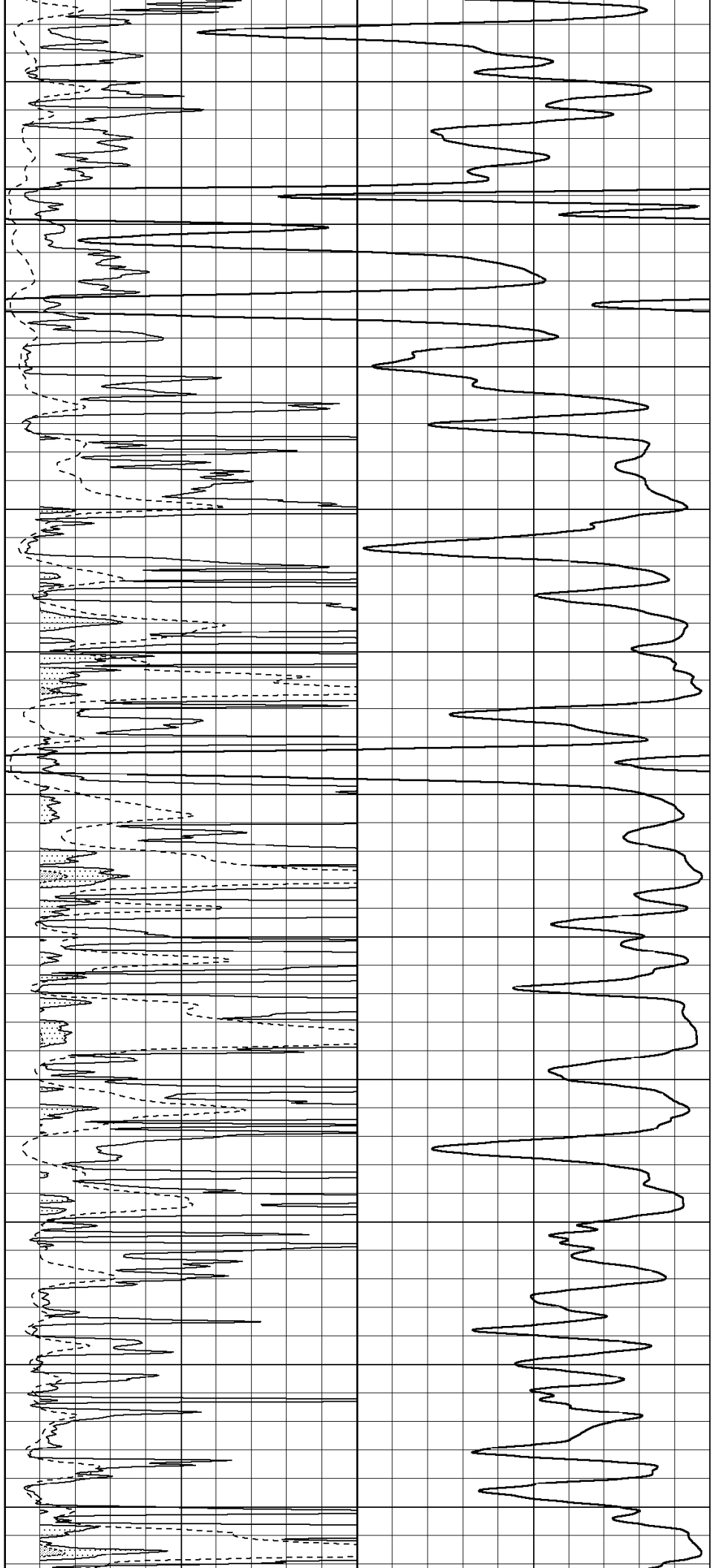
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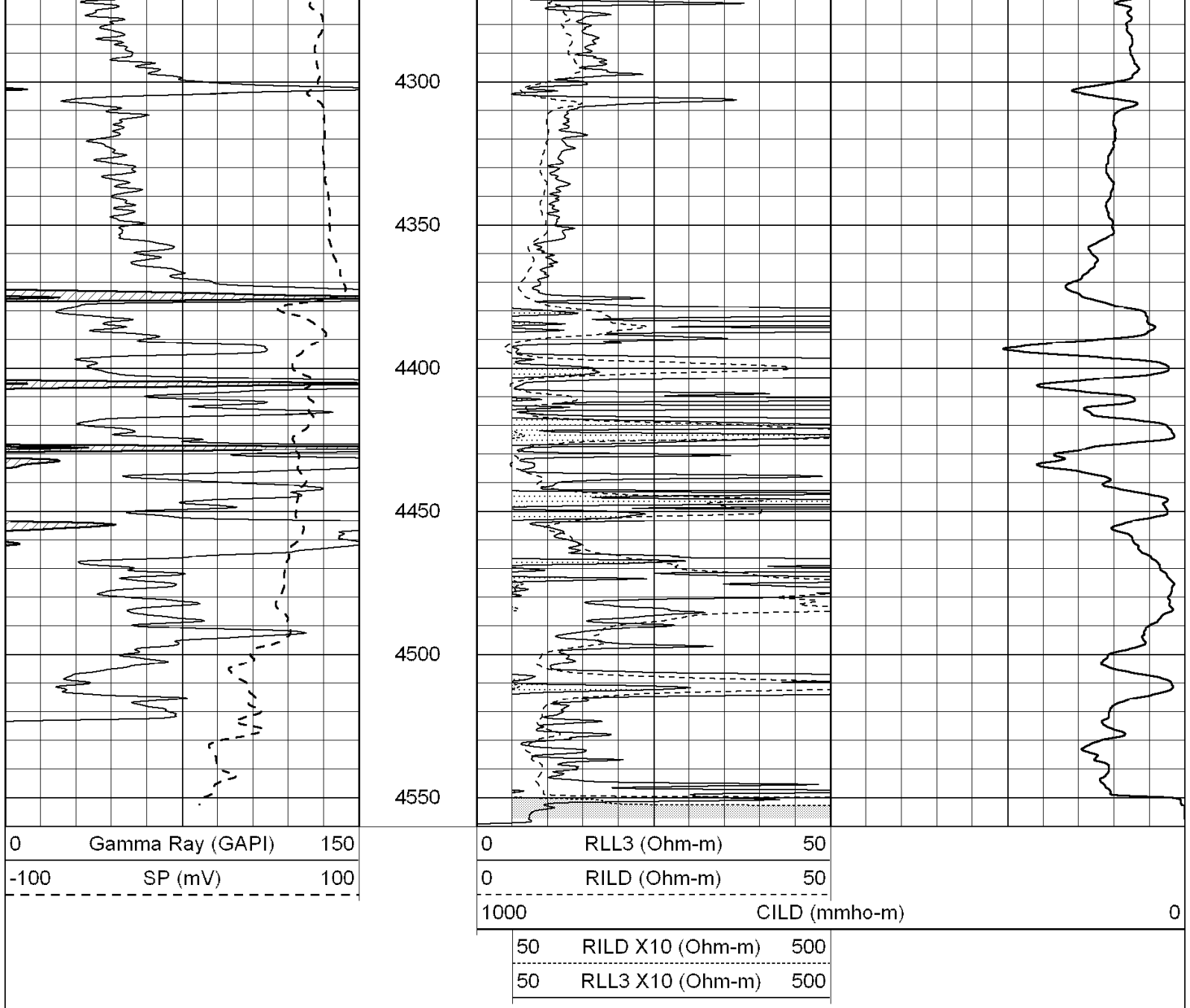
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4150

4200

4250



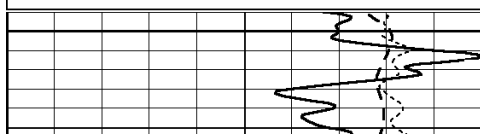


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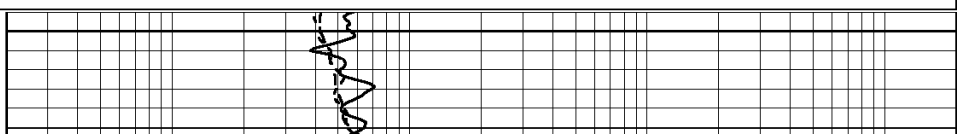
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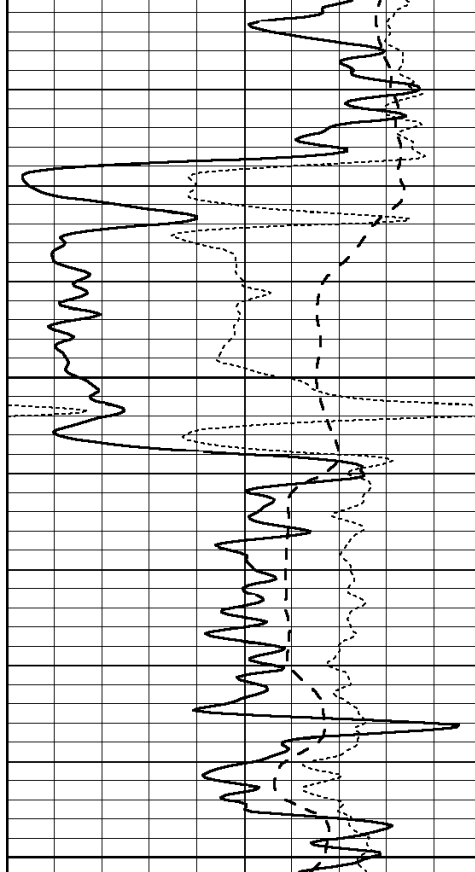
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 Dataset Creation: Thu Jan 07 00:32:51 2010 by Calc Open-Cased 060407
 Charted by: Depth in Feet scaled 1:240

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



1850

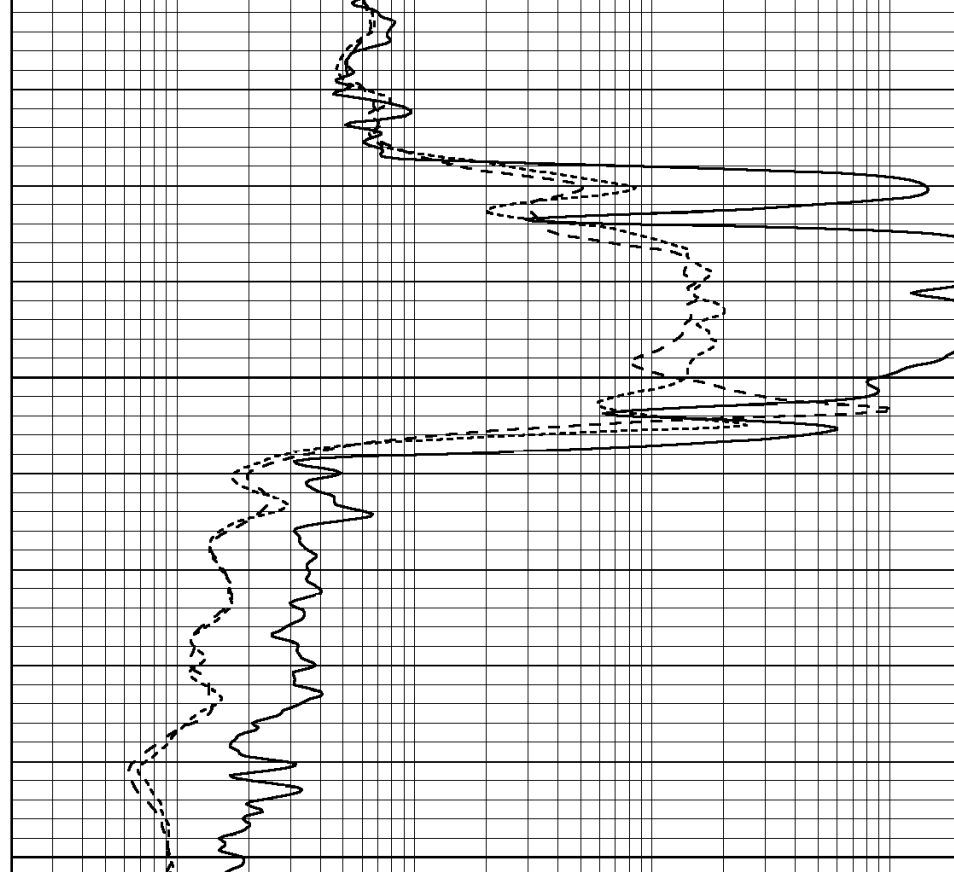




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

1900

1950



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



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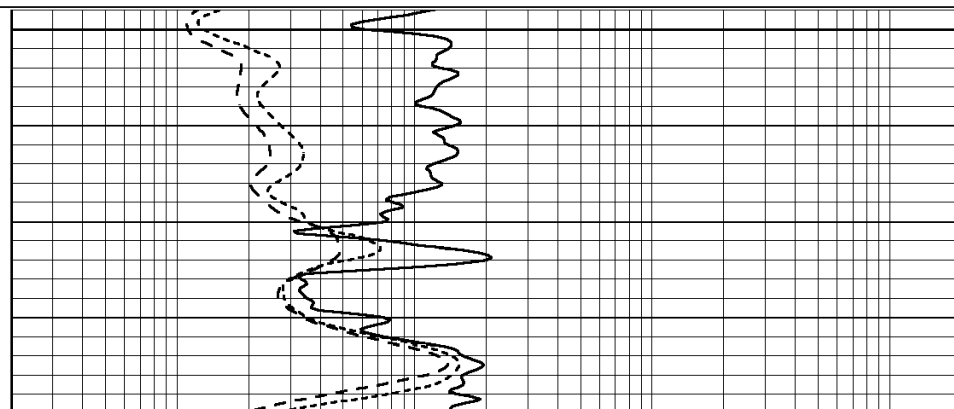
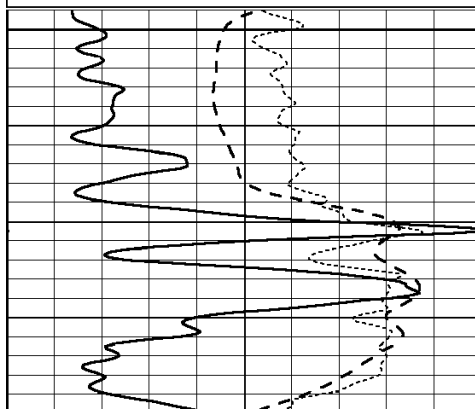
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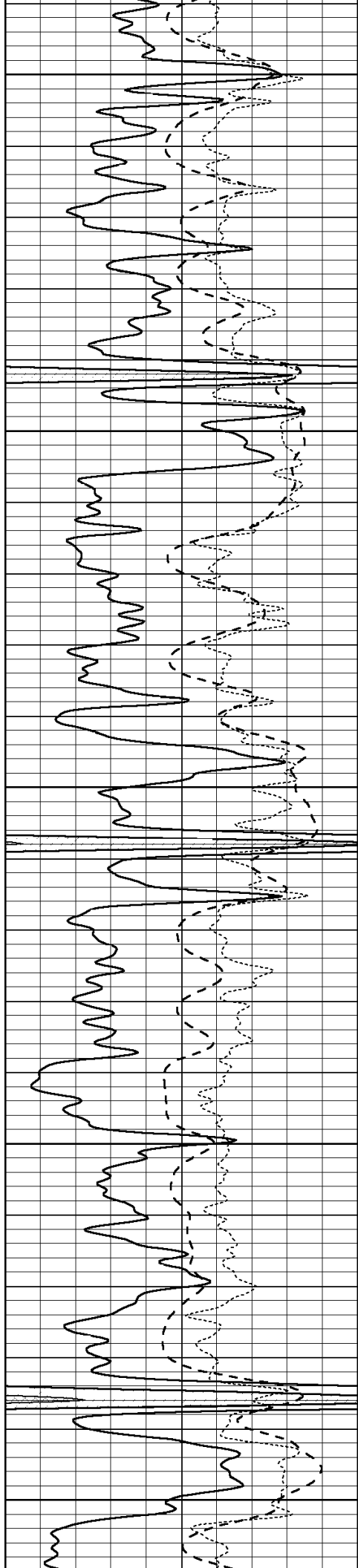
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 Dataset Pathname: pass4.2
 Presentation Format: dil
 Dataset Creation: Thu Jan 07 00:19:22 2010 by Calc Open-Cased 060407
 Charted by: Depth in Feet scaled 1:240

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

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

3600





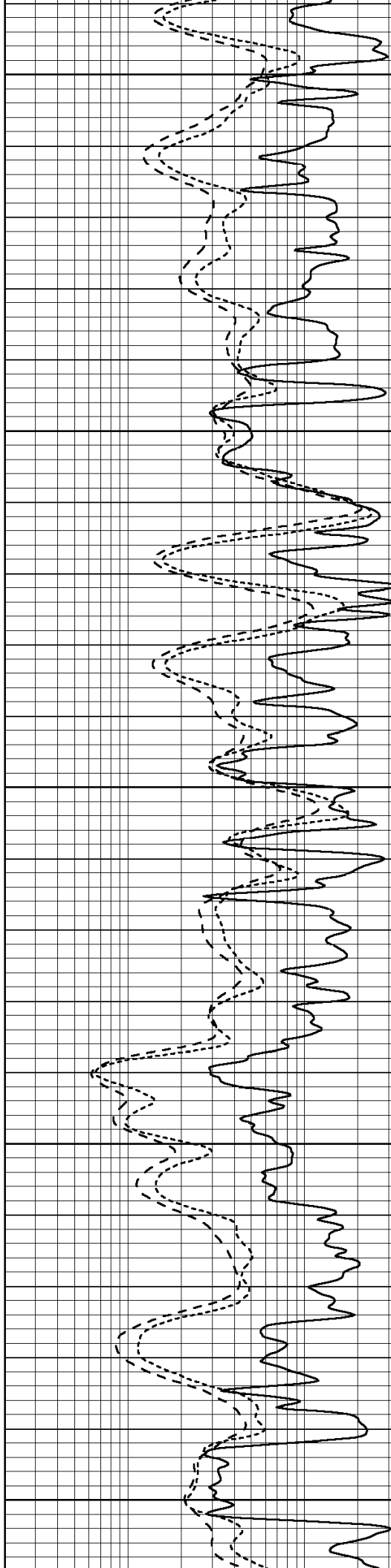
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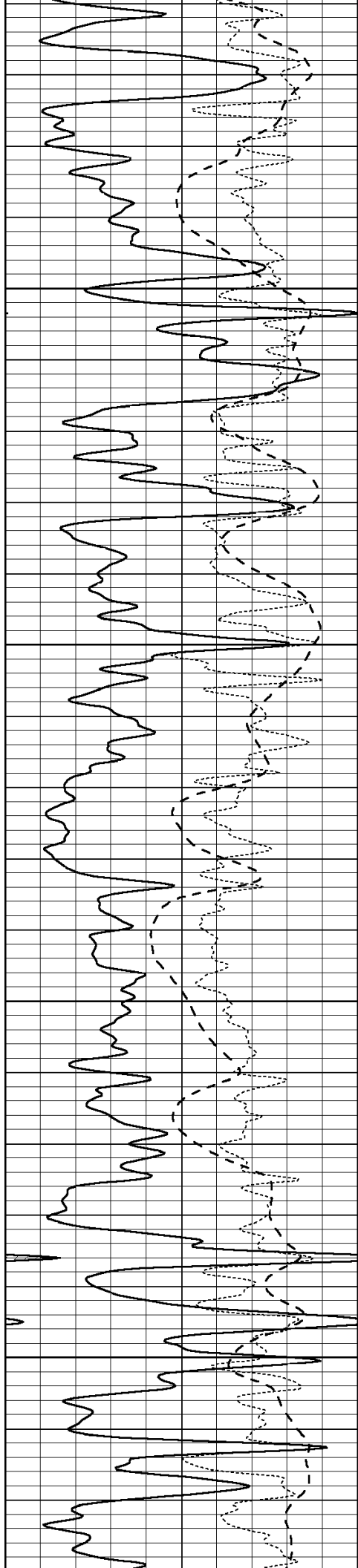
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3750

3800

3850



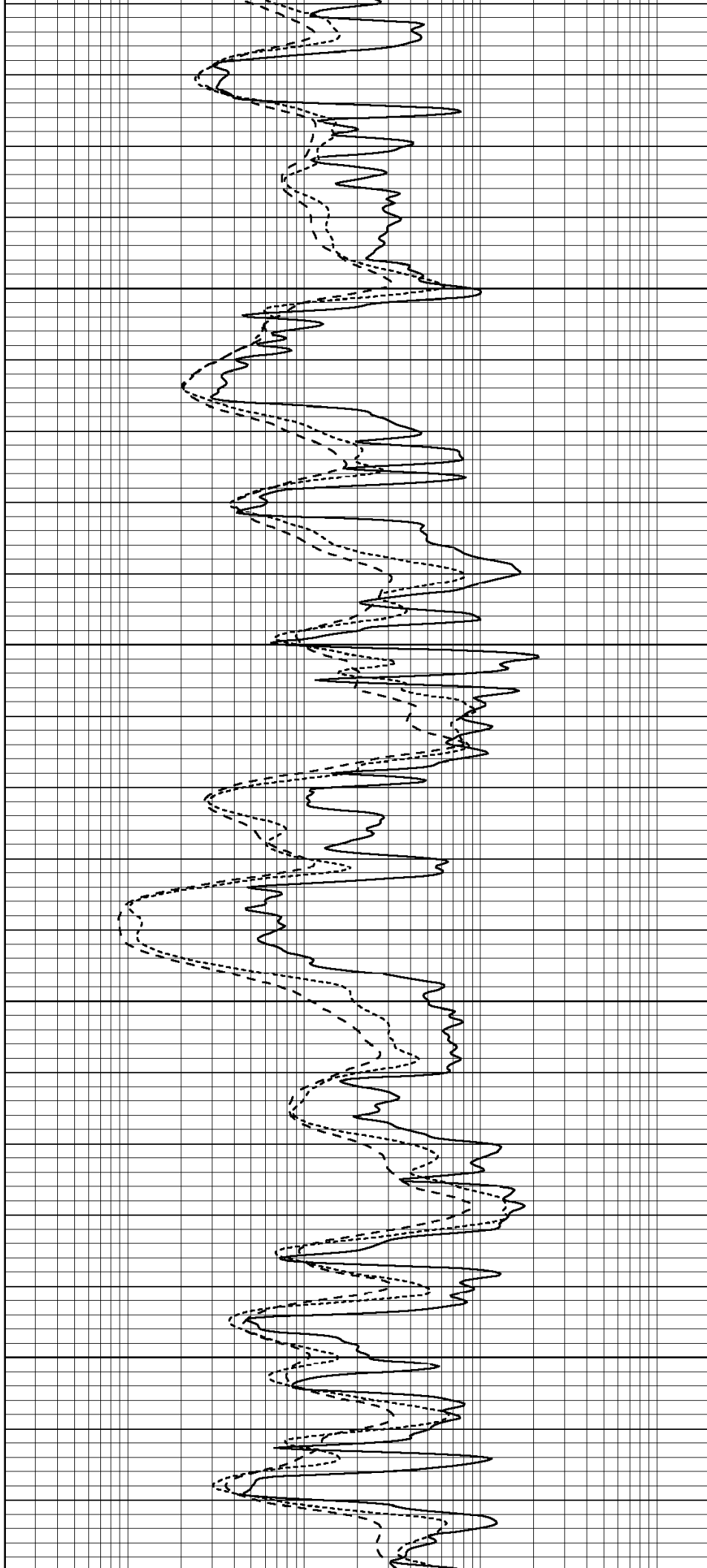


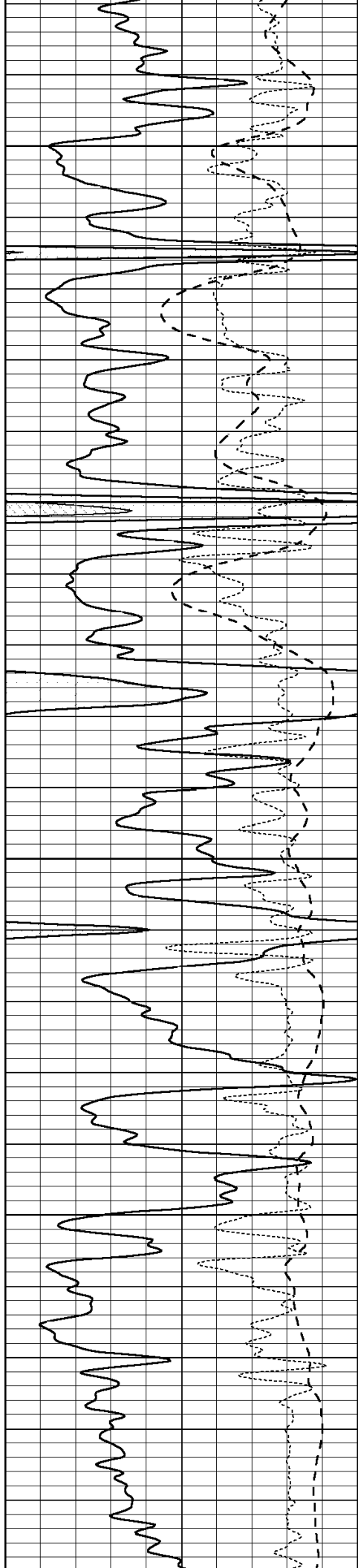
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3950

4000

4050





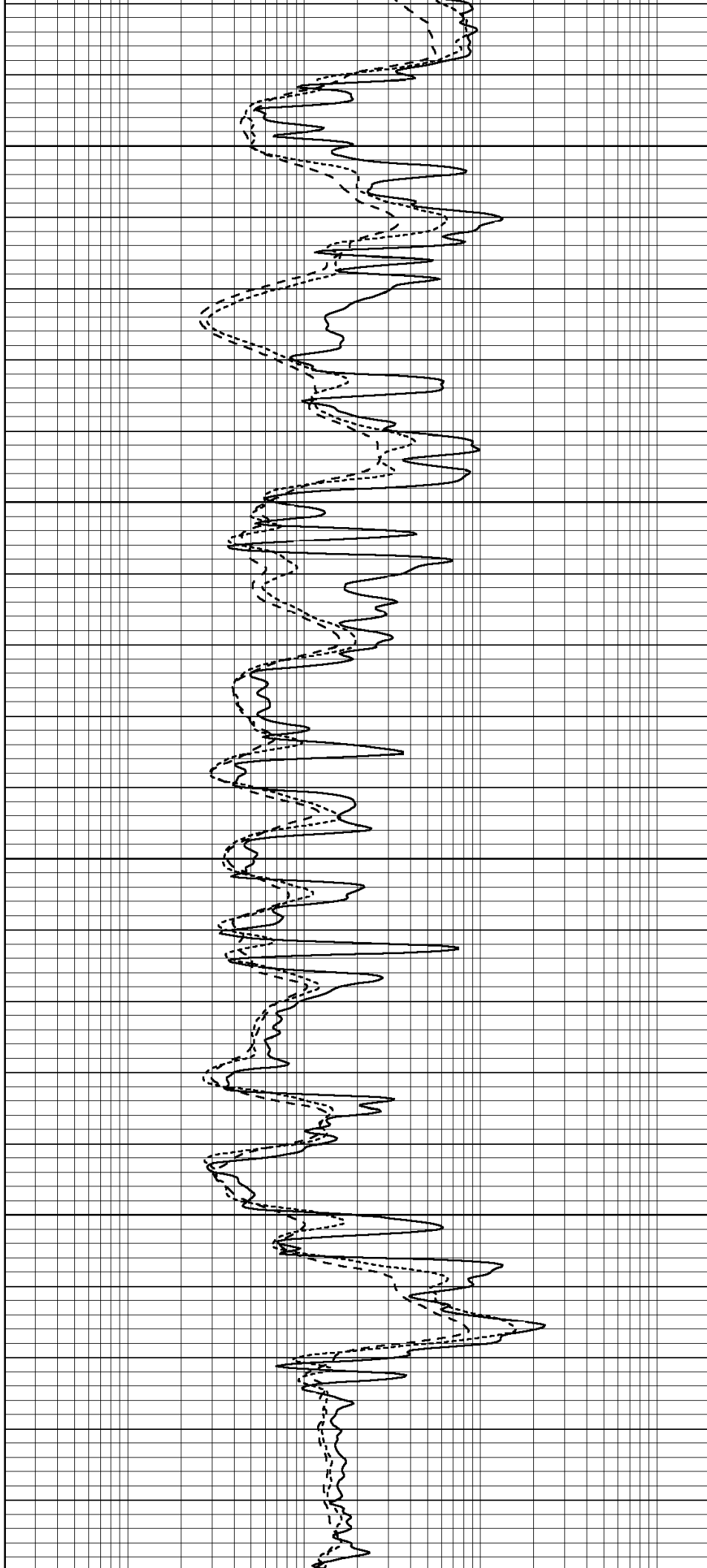
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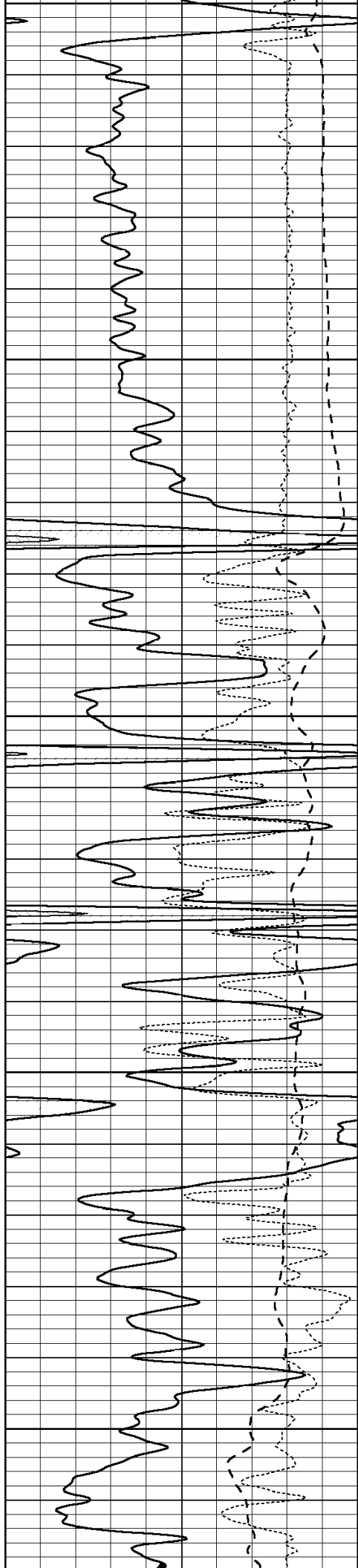
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4200

4250

4300





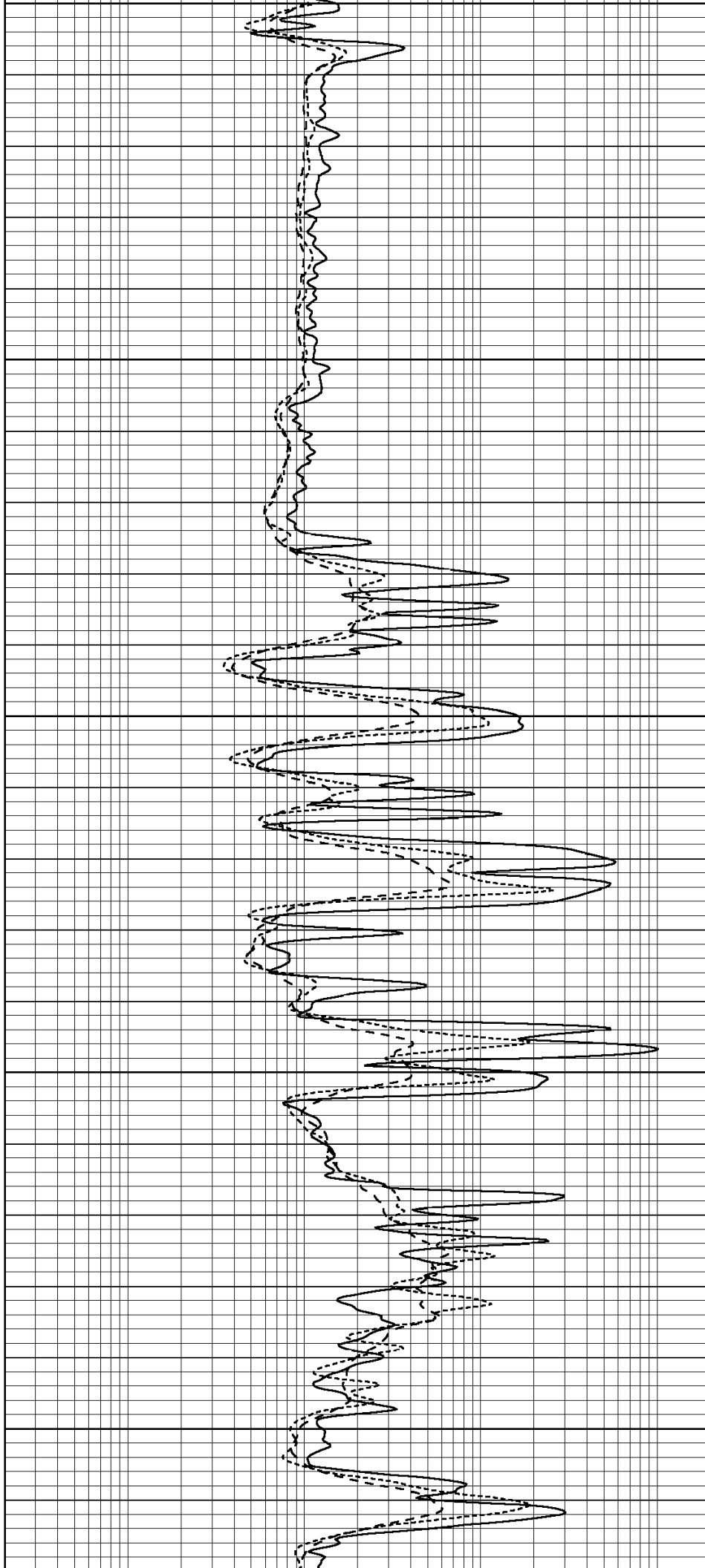
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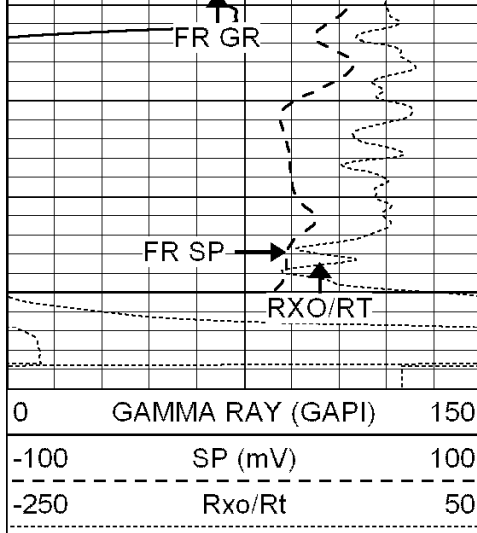
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4400

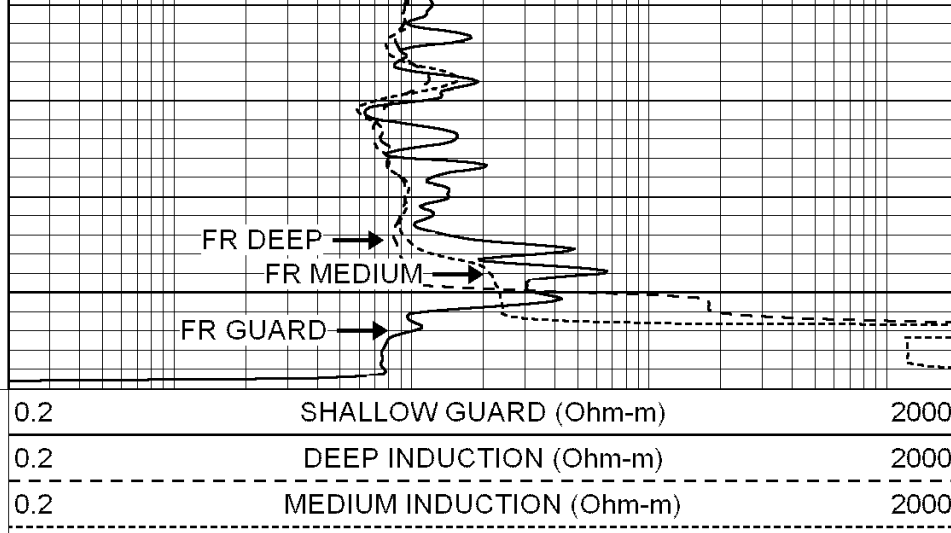
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4500





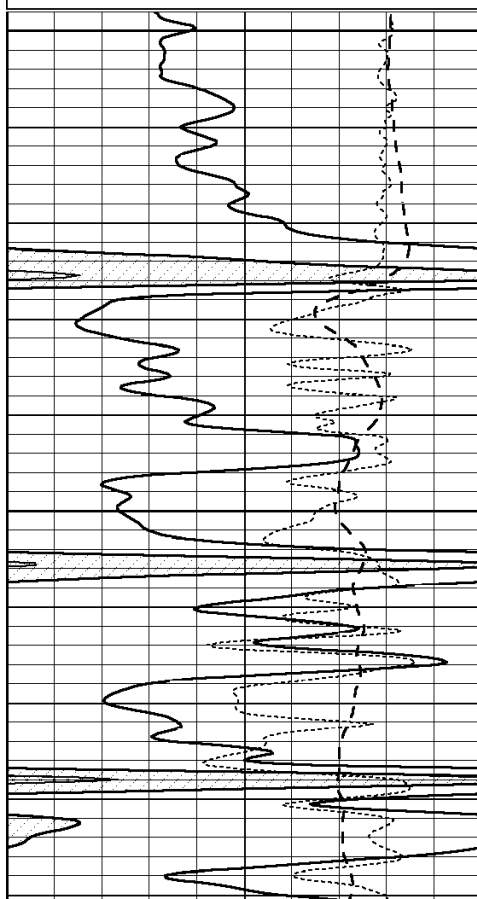
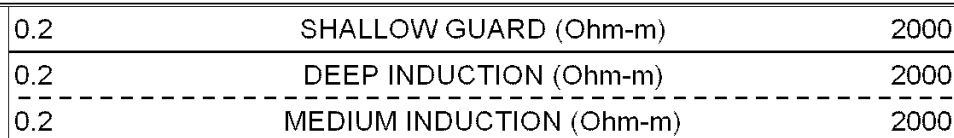
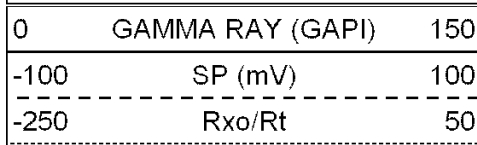
4550
LTD 4556



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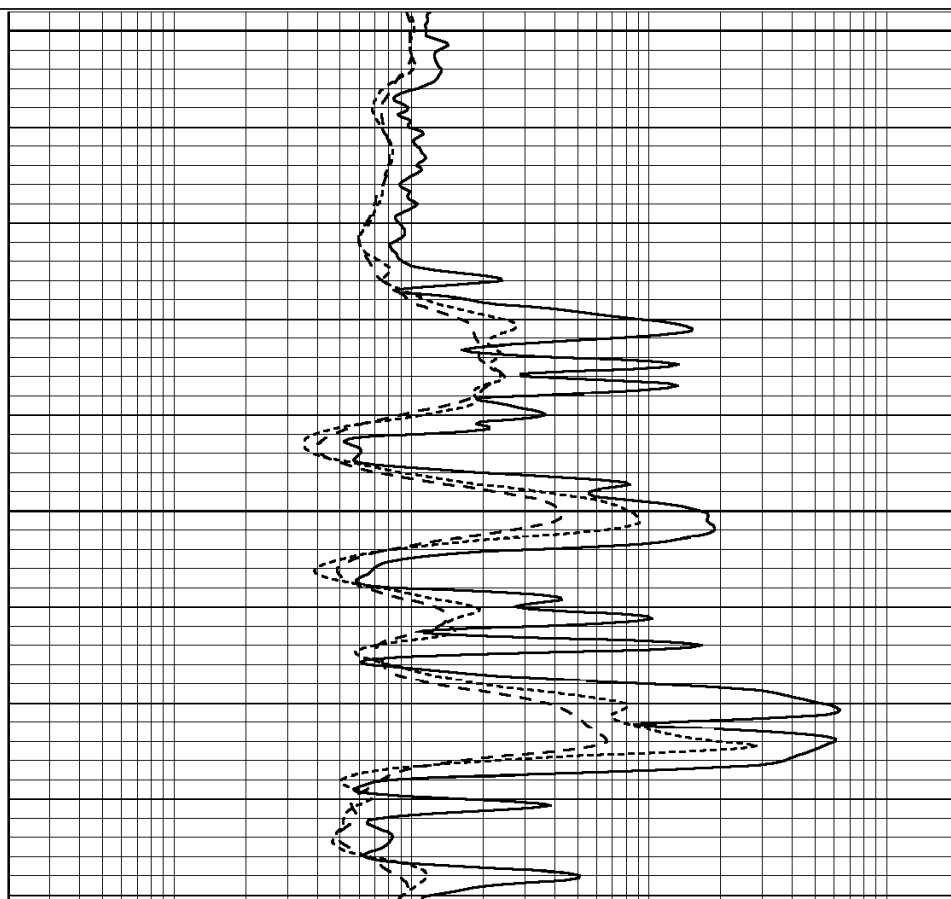
REPEAT SECTION

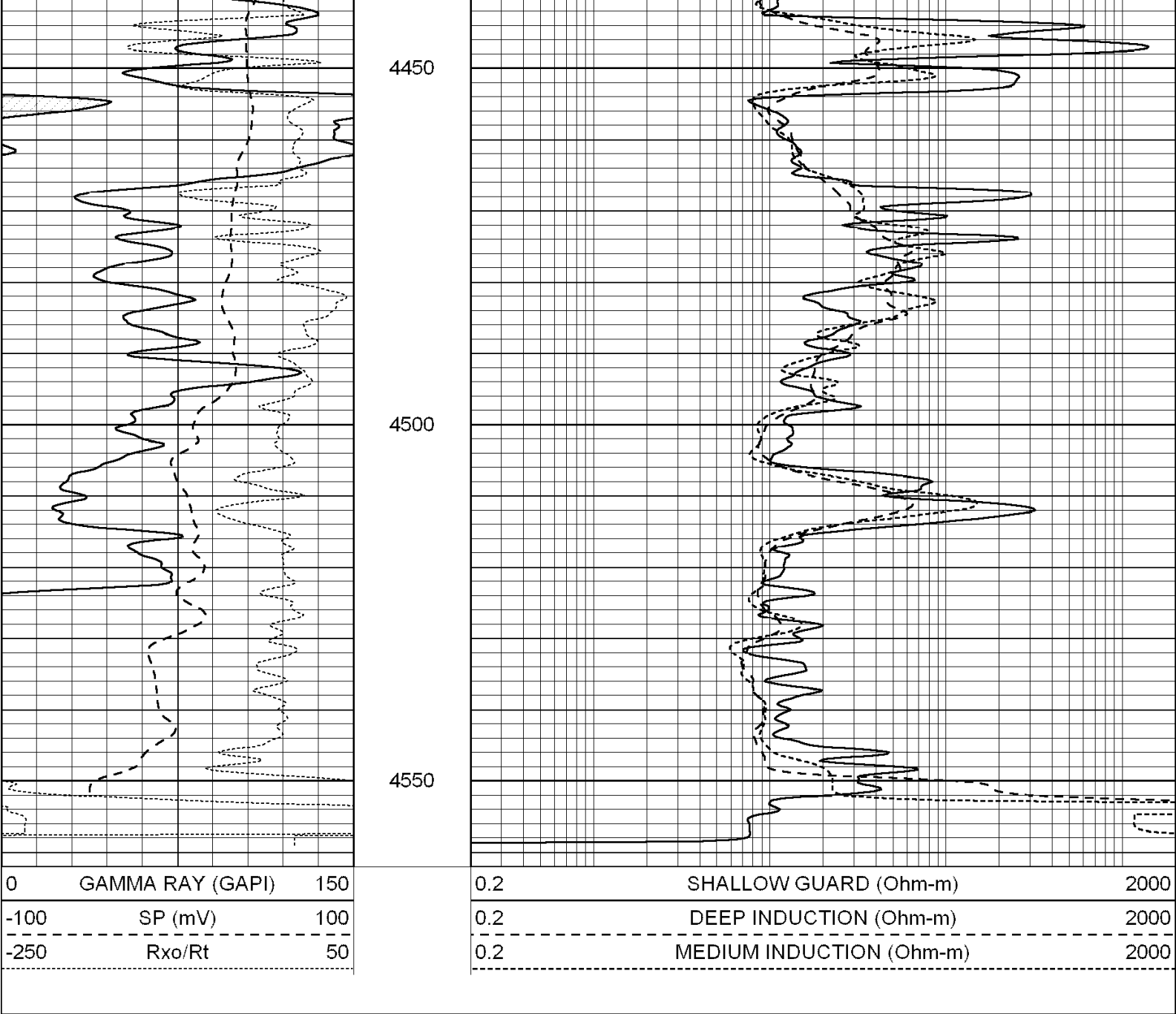
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Dataset Pathname: pass3.7
Presentation Format: dil
Dataset Creation: Thu Jan 07 00:41:56 2010
Charted by: Depth in Feet scaled 1:240



4350

4400





Calibration Report									
Database File:		004701ddn.db							
Dataset Pathname:		pass4.2							
Dataset Creation:		Thu Jan 07 00:19:22 2010 by Calc Open-Cased 060407							
Dual Induction Calibration Report									
Serial-Model: Performed:					DIL3-GEAR Wed Jan 06 21:39:15 2010				
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	0.000	400.000	mmho-m	640.000	0.000	
Medium	0.013	0.740	V	0.000	462.500	mmho-m	700.000	-14.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.002	0.645	V	0.000	400.000	mmho-m	622.059	-1.071	
Medium	0.007	0.740	V	0.000	462.500	mmho-m	631.393	-4.555	

Litho Density Calibration Report
Serial: 003N Model: PRB
Performed Tue Sep 08 14:14:44 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8

Caliper

	Readings	Reference	
Low Ref	1.4	6.2	
High Ref	3.4	14.0	
	Gain: 3.9		Offset: 0.8

Compensated Neutron Calibration Report

Serial Number: NEU_3I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	997.00 cps	1000.00 cps	1.0000
Long Space	986.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR3
Tool Model: OPEN
Performed: Wed Jan 06 23:02:01 2010

Calibrator Value: 200.0 GAPI

Background Reading: 3.0 cps
Calibrator Reading: 186.0 cps

Sensitivity: 0.7000 GAPI/cps