



SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company	GORE OIL COMPANY		
Well	ROSS "D" #4		
Field	PLAINVILLE		
County	ROOKS	State	KANSAS
Location:	API # : 15-163-23942-0000		Other Services CDL/CNL MEL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	2138
Log Measured From	KELLY BUSHING 8' A.G.L.		
Drilling Measured From	KELLY BUSHING		
	SEC 7	TWP 10S	RGE 17W
Date	5/24/11		
Run Number	ONE		
Depth Driller	3730		
Depth Logger	3732		
Bottom Logged Interval	3730		
Top Log Interval	00		
Casing Driller	8 5/8"@265'		
Casing Logger	266		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,200 PPM	
Density / Viscosity	9.1/59		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.900@80F		
Rinf @ Meas. Temp	.675@90F		
Rinc @ Meas. Temp	1.08@90F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.632@114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:45 P.M.		
Maximum Recorded Temperature	114F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BOB STOLZLE		

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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

PLAINVILLE, KS. 1S. ON HWY 183 TO "RD. AA"(AIRPORT RD.) 2 1/2E., 1/2N. THROUGH CATTLE GUARD
THEN 1/2 BACK WEST PAST PUMPING UNIT & VEER SOUTH



SUPERIOR
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MAIN SECTION

Database File: 006958ddn.db
Dataset Pathname: pass3.5
Presentation Format: dil2
Dataset Creation: Tue May 24 13:56:56 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

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

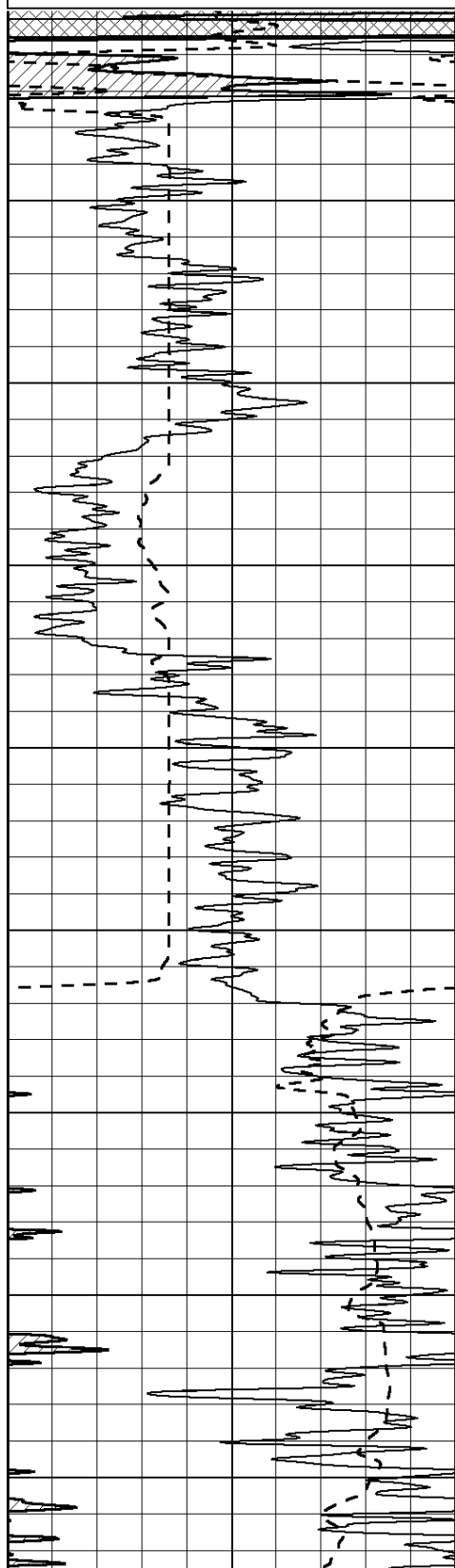
0 RLL3 (Ohm-m) 50

0 RILD (Ohm-m) 50

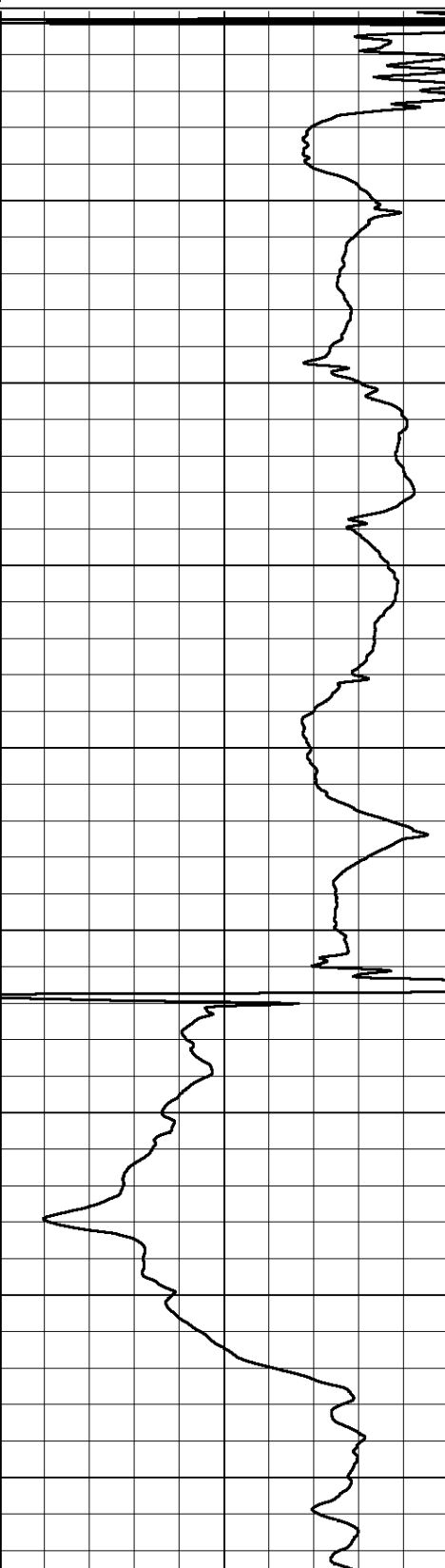
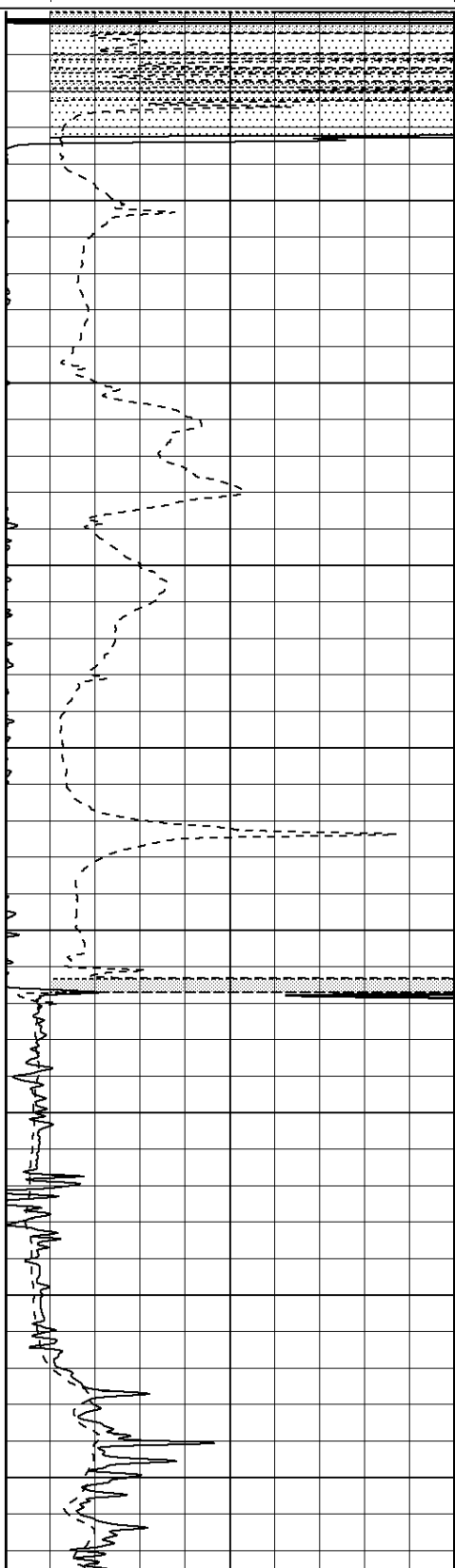
1000 CILD (mmho/m) 0

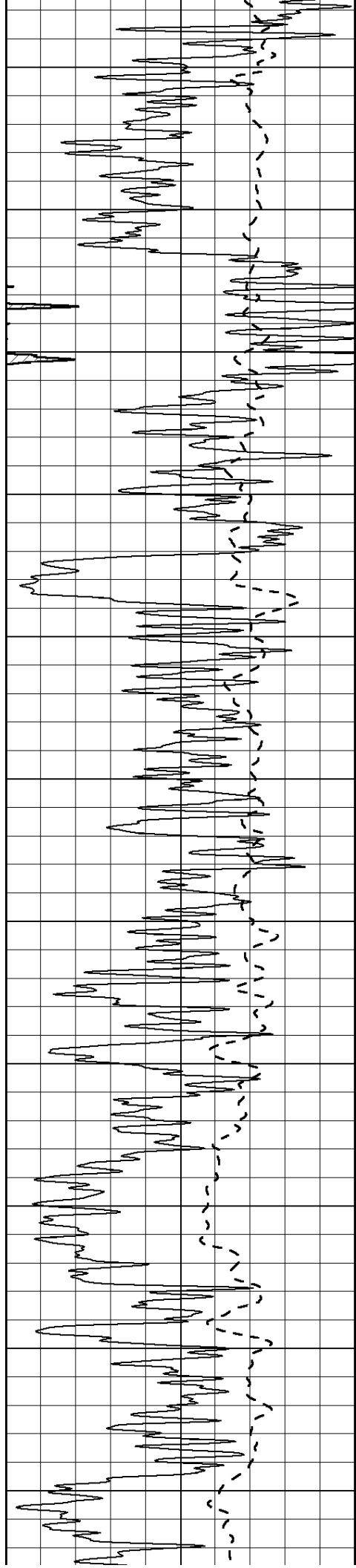
50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500



0
50
100
150
200
250
300
350
400





450

500

550

600

650

700

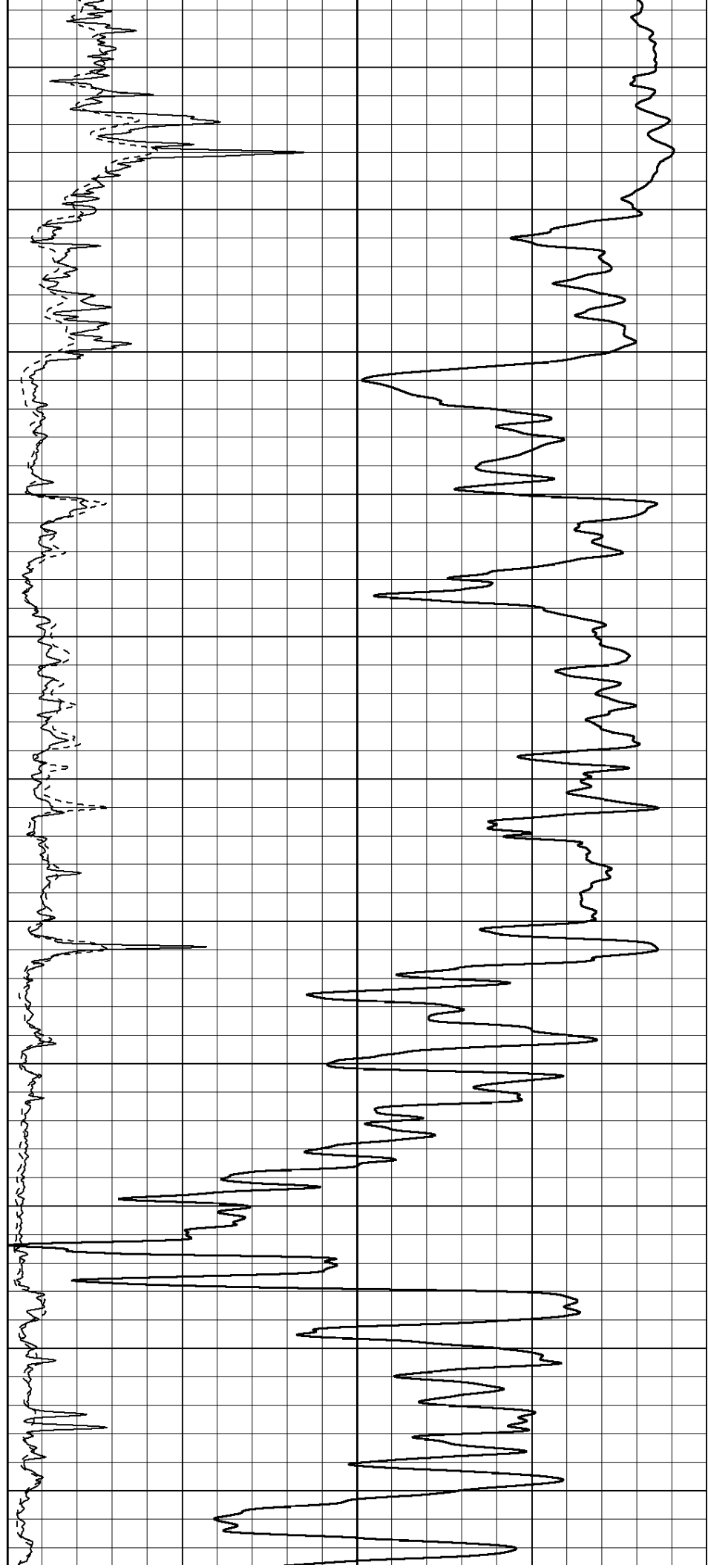
750

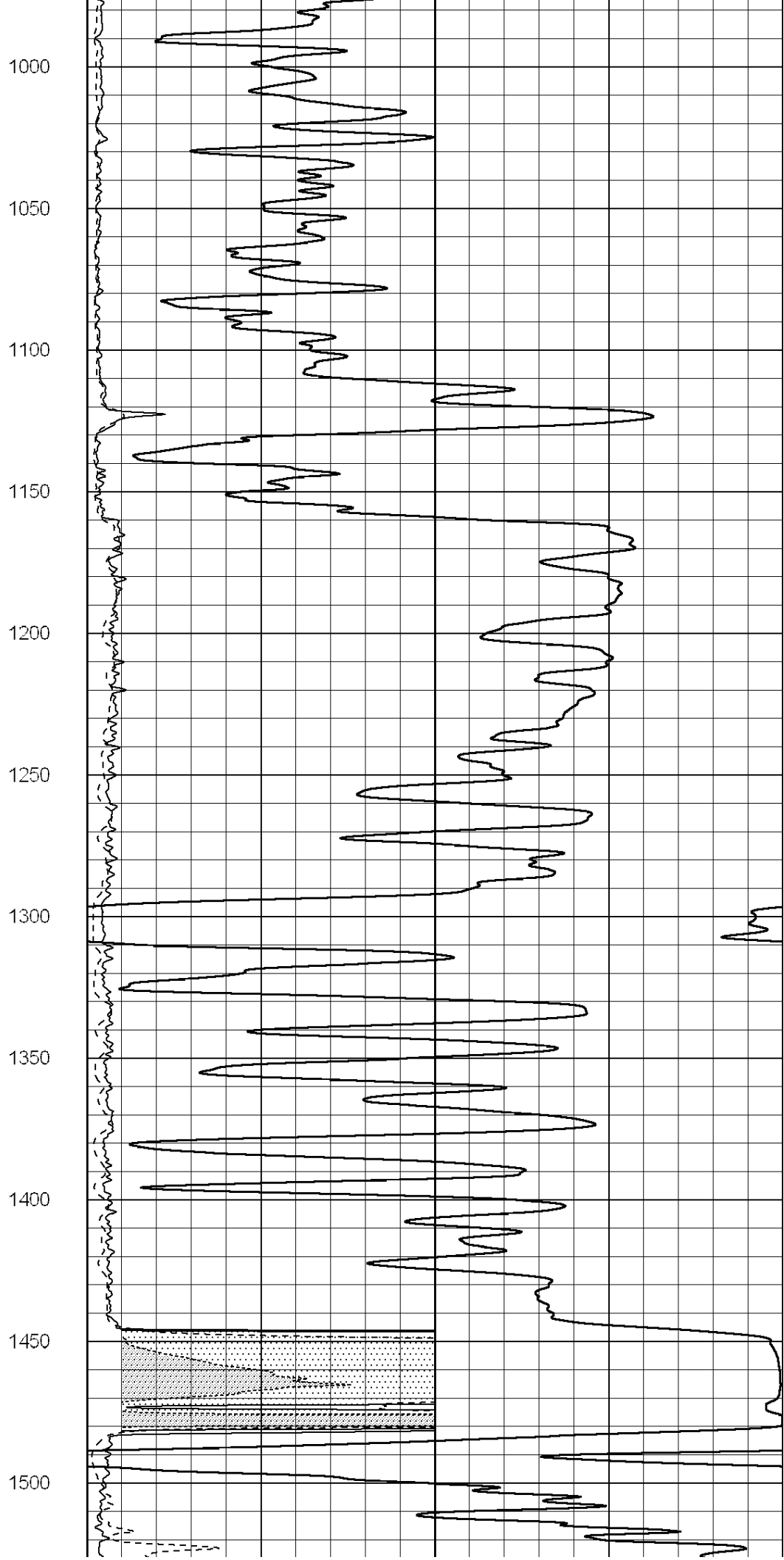
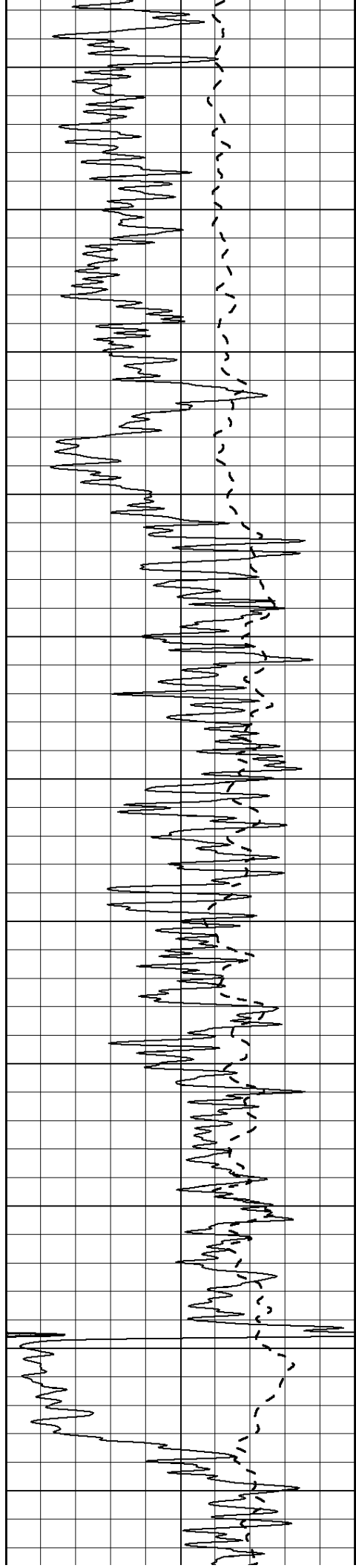
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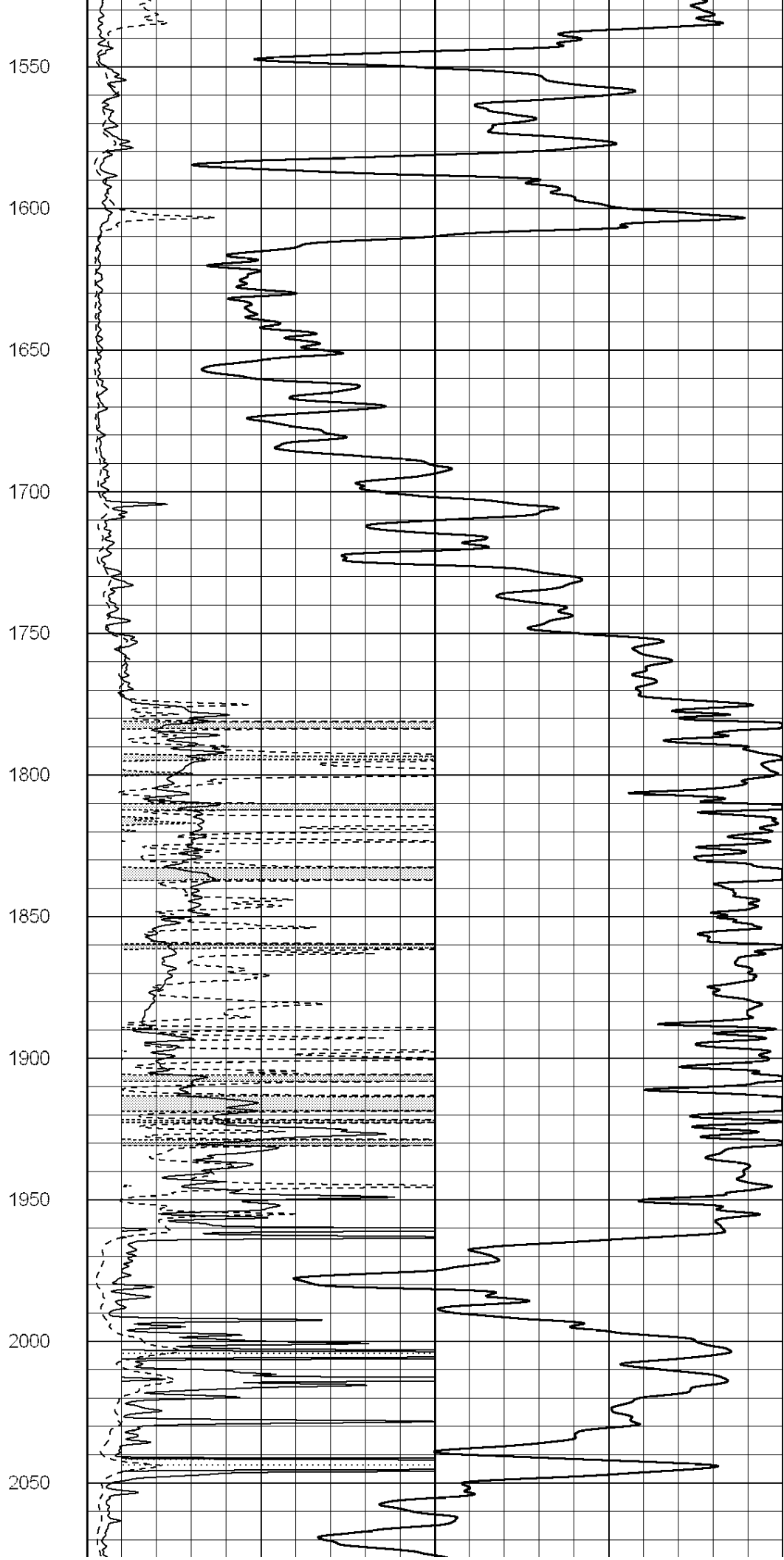
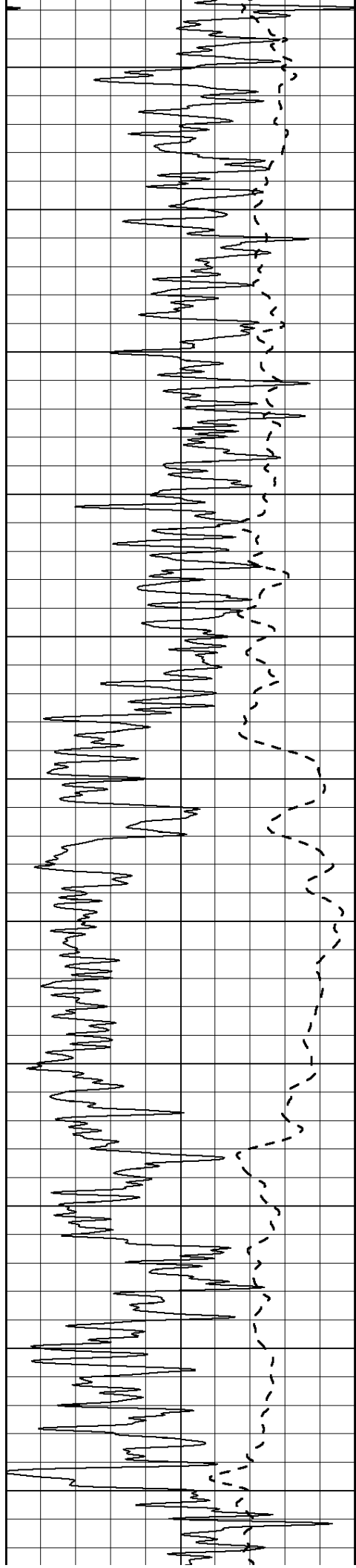
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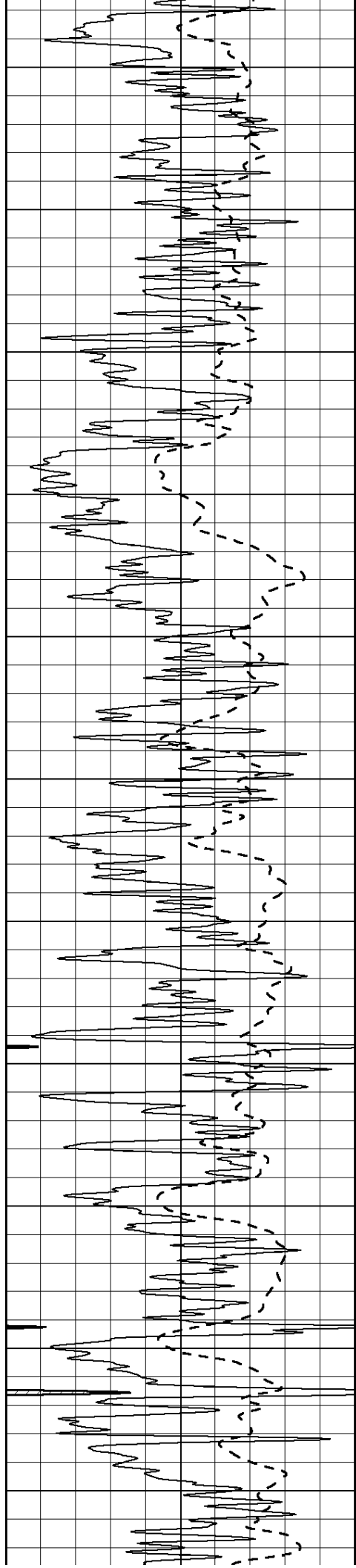
900

950









2100

2150

2200

2250

2300

2350

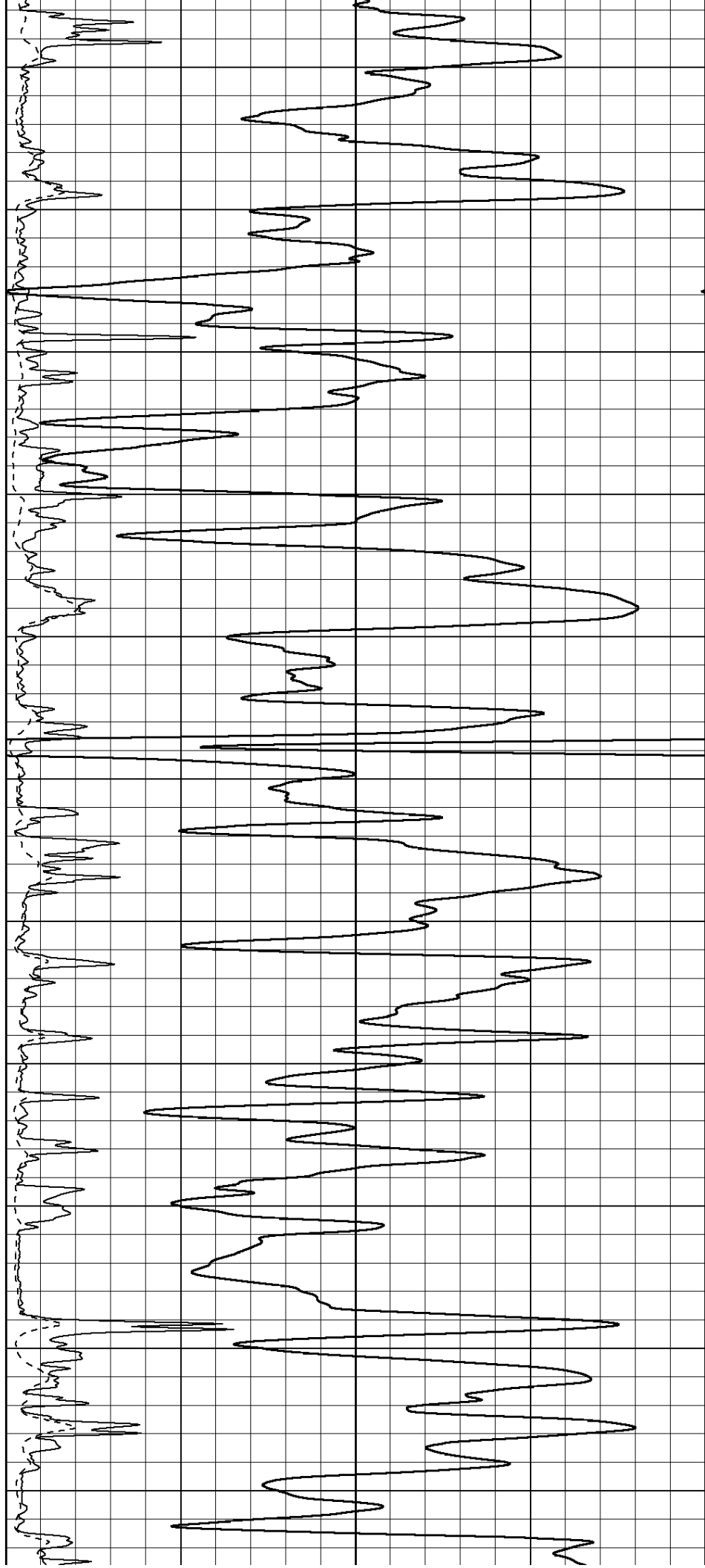
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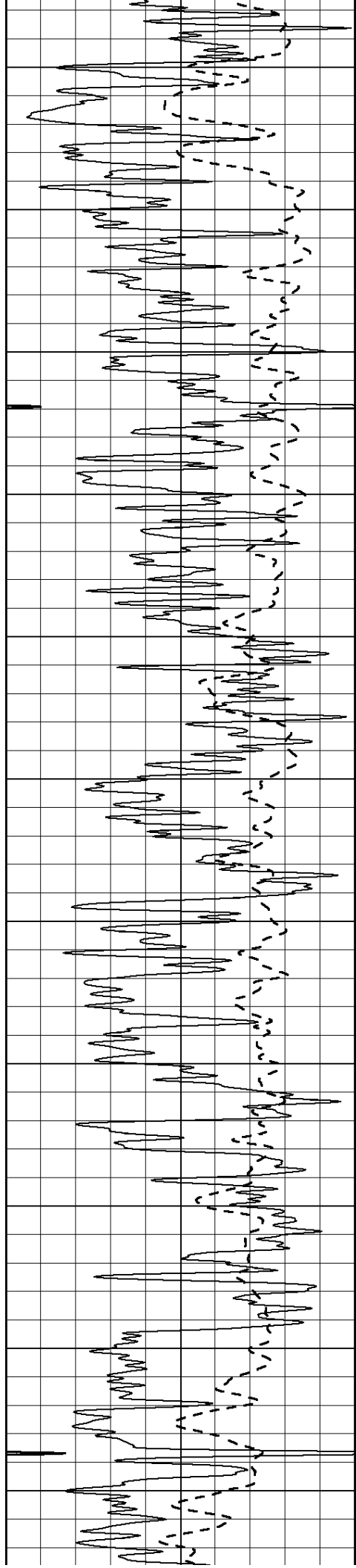
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2500

2550

2600





2650

2700

2750

2800

2850

2900

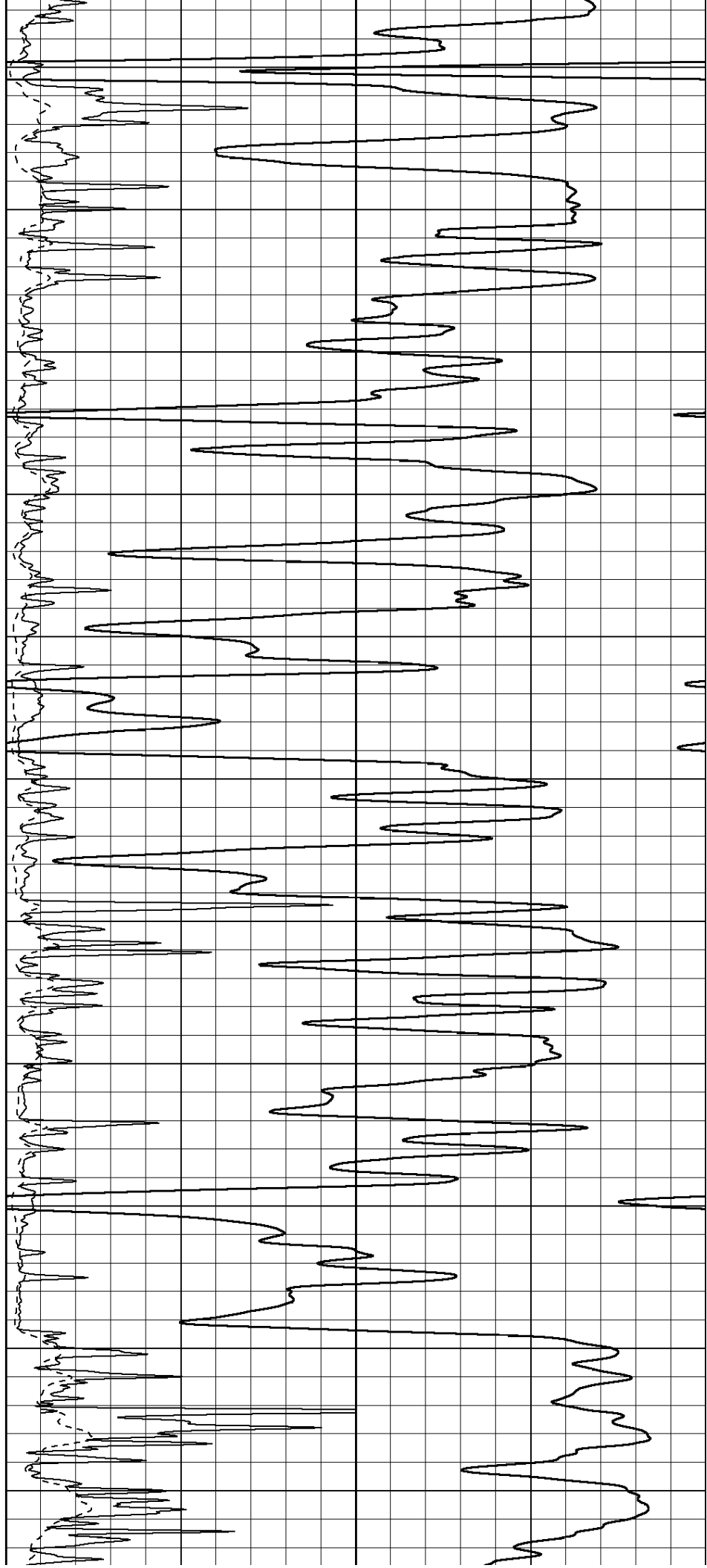
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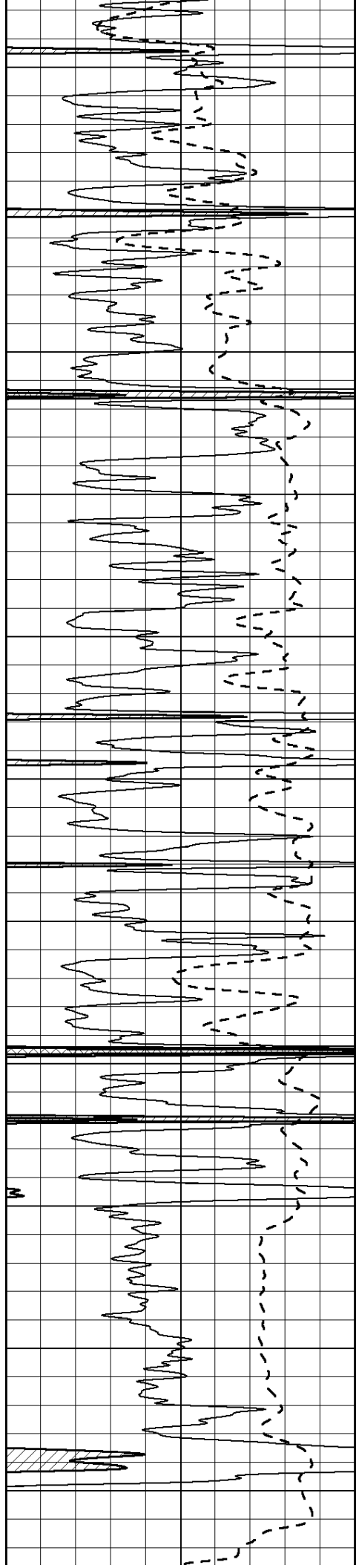
3000

3050

3100

3150





3200

3250

3300

3350

3400

3450

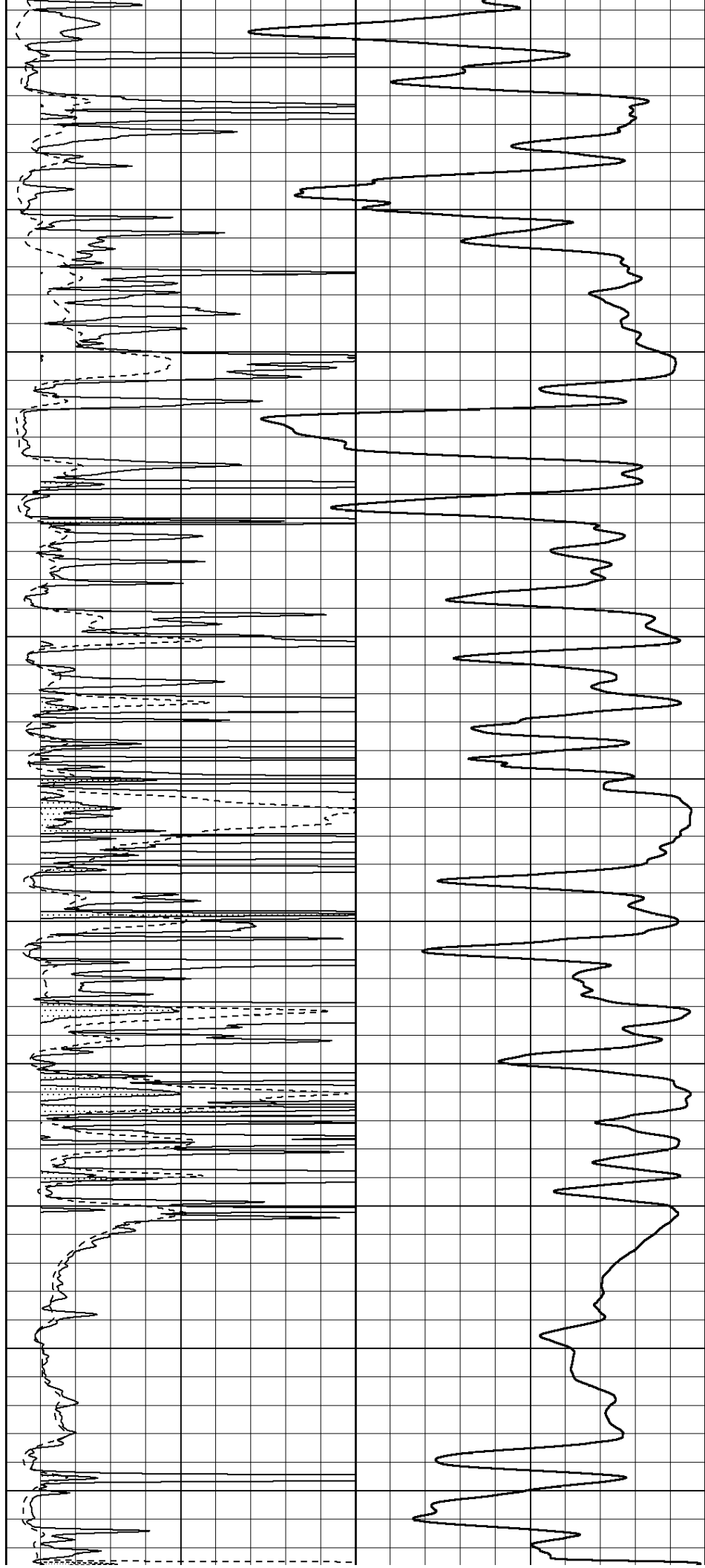
3500

3550

3600

3650

3700



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

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



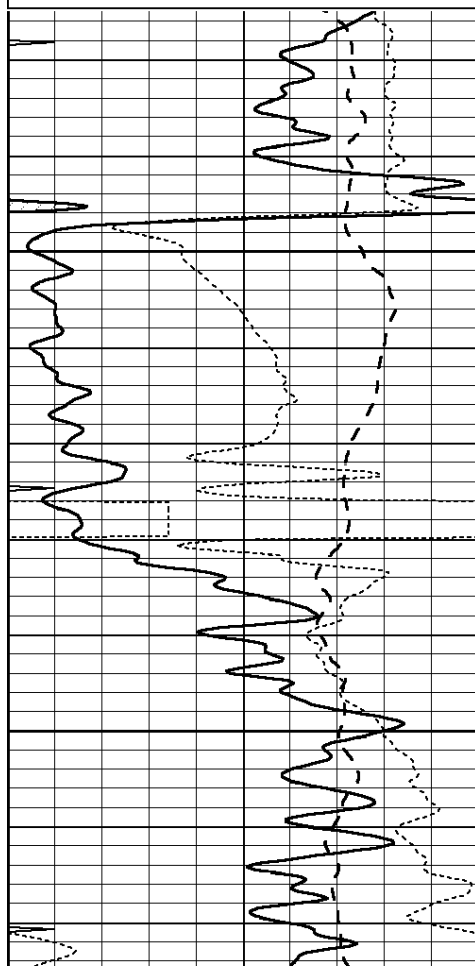
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ANHYDRITE

Database File: 006958ddn.db
Dataset Pathname: pass3.6
Presentation Format: dil
Dataset Creation: Tue May 24 13:57:11 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

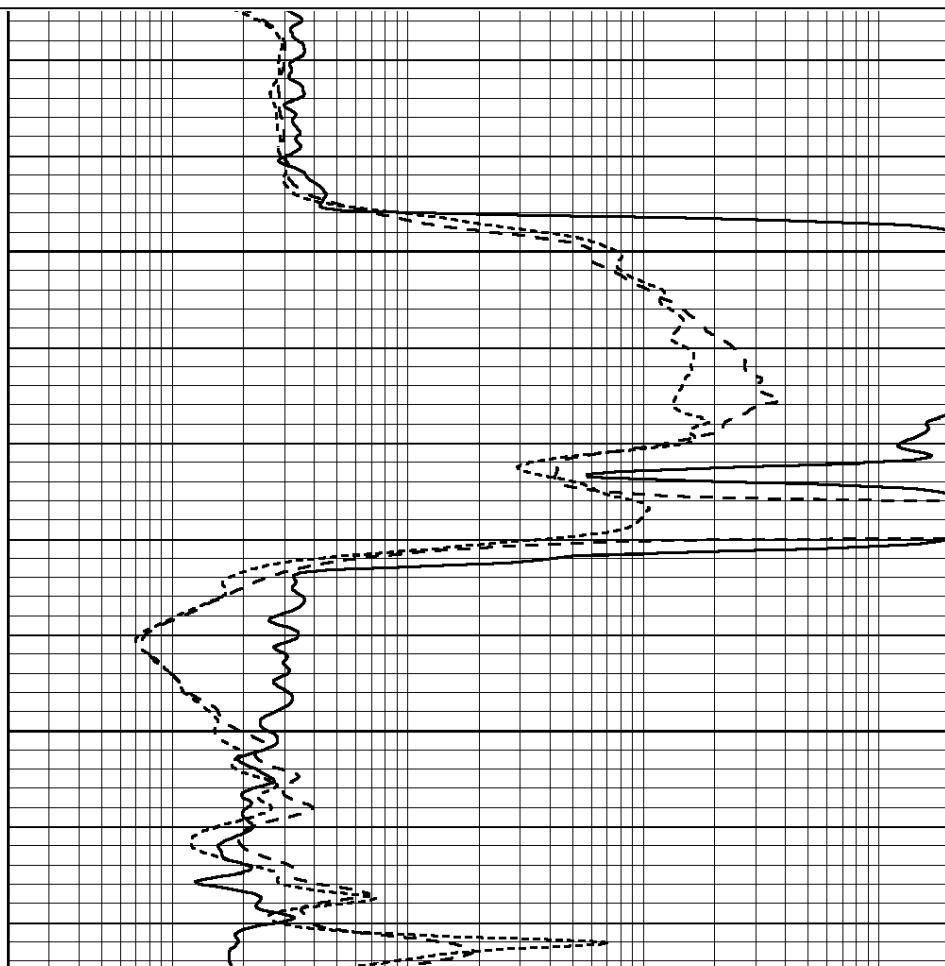
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10

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



1450

1500



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



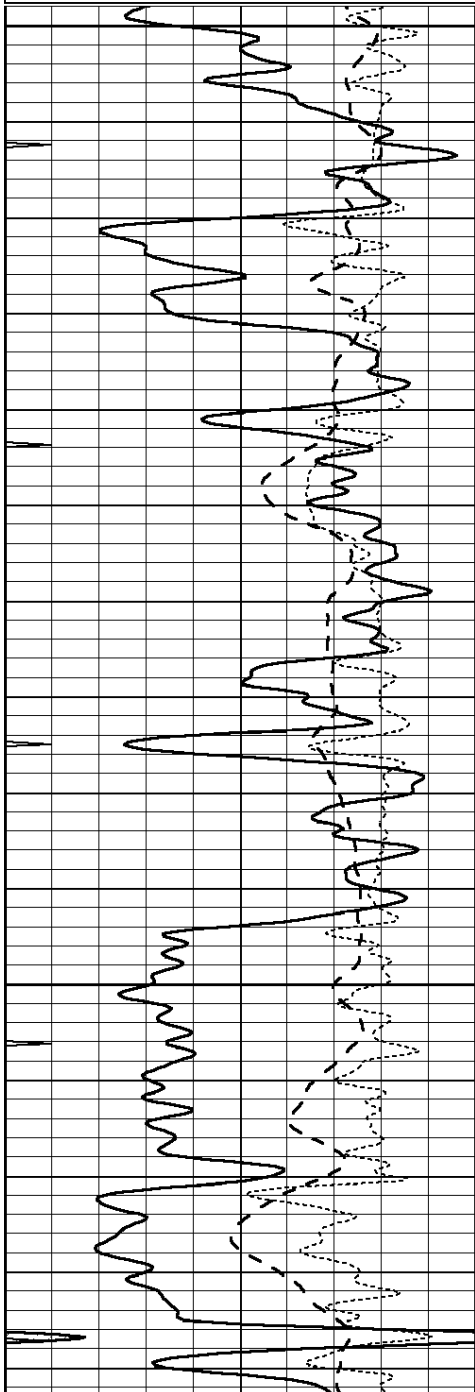
SUPERIOR
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MAIN SECTION

Database File: 006958ddn.db
Dataset Pathname: pass3.5
Presentation Format: dil
Dataset Creation: Tue May 24 13:56:56 2011 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	MINMK	10

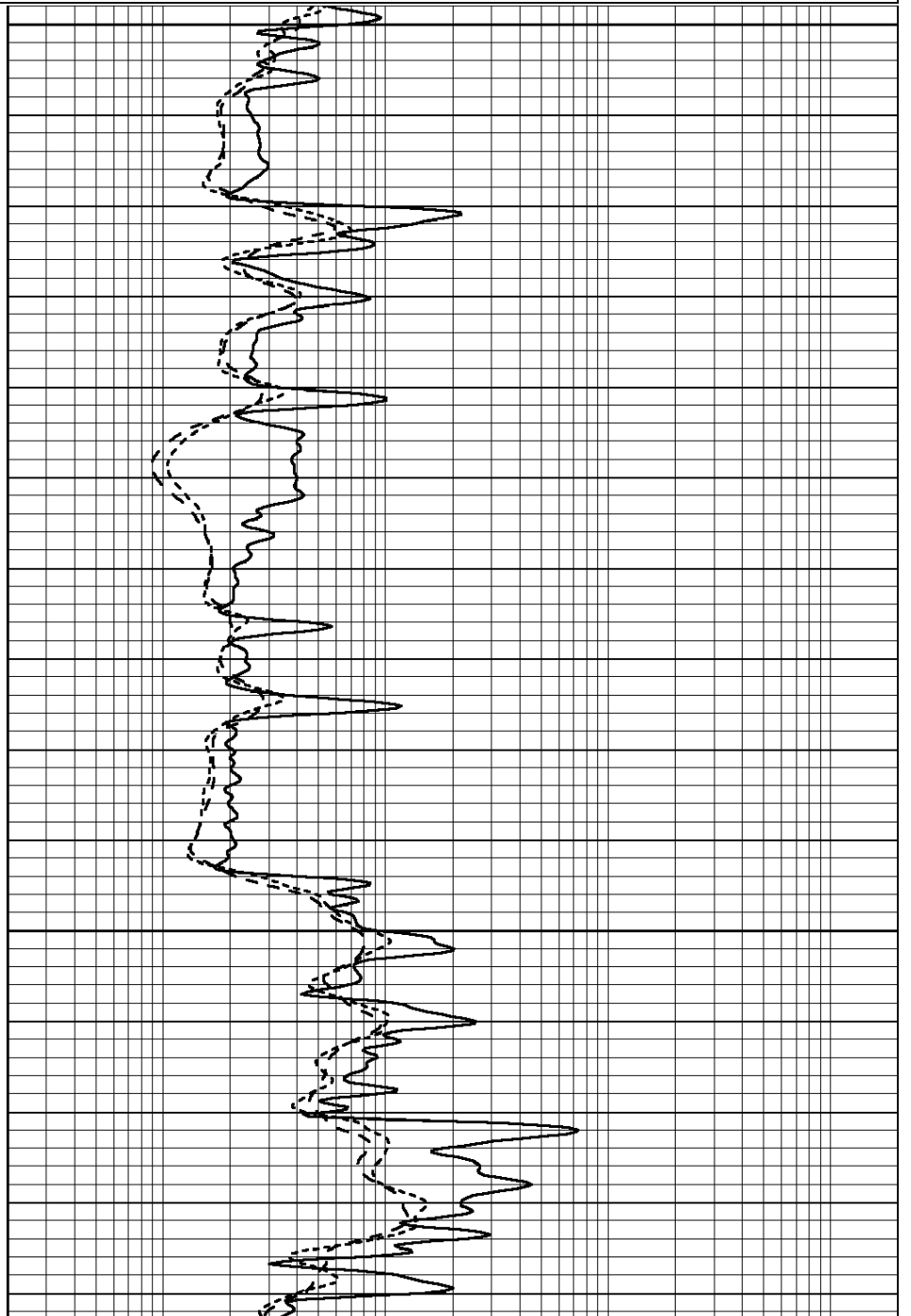
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

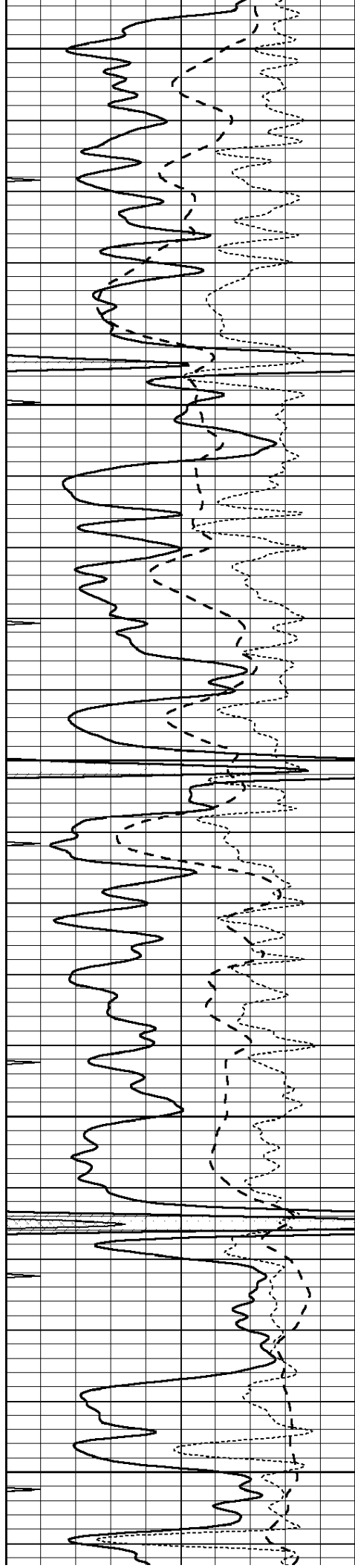


3000

3050

3100





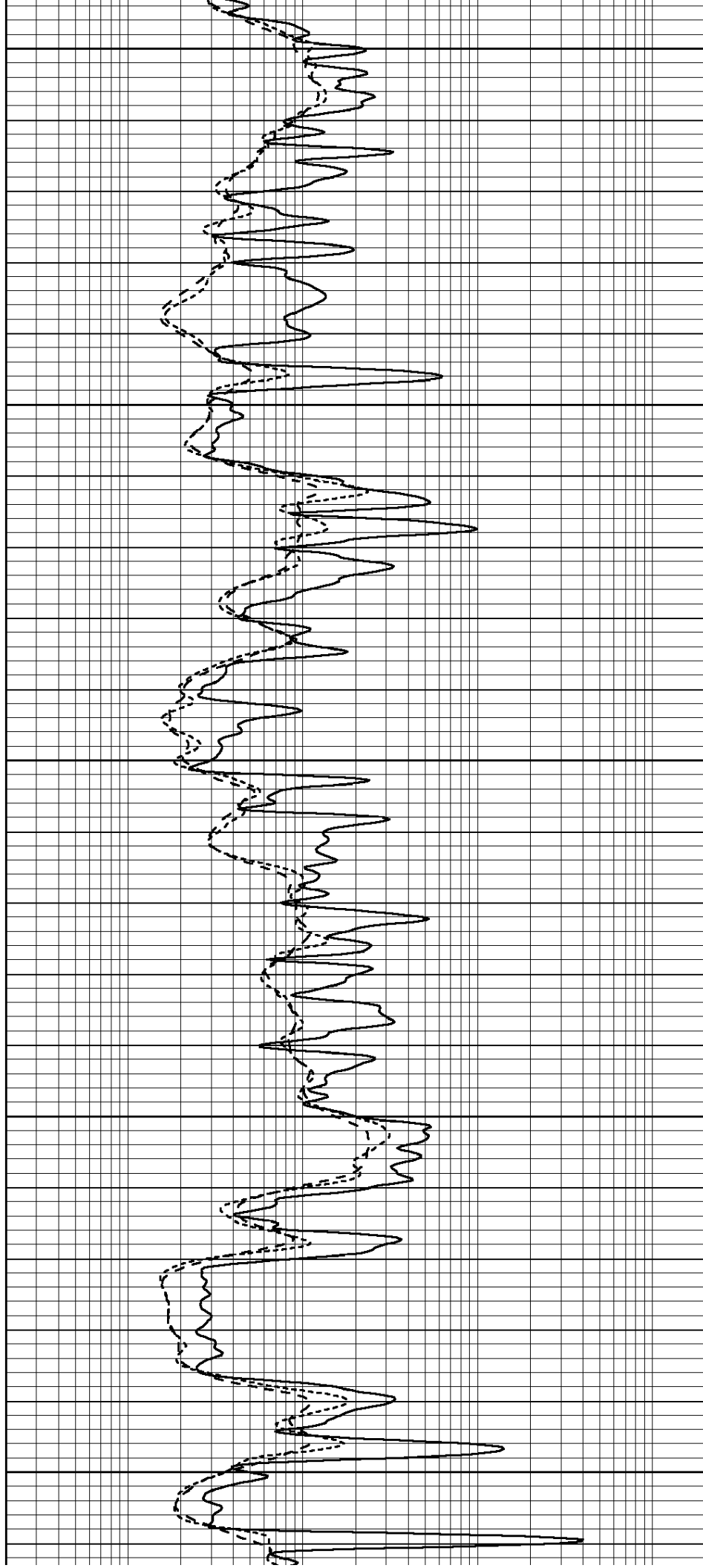
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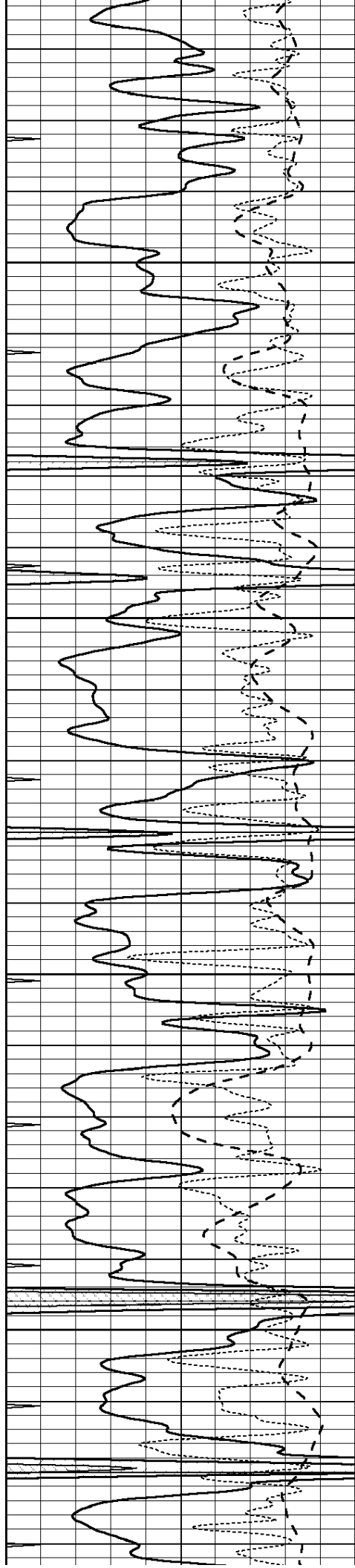
3200

3250

3300

3350



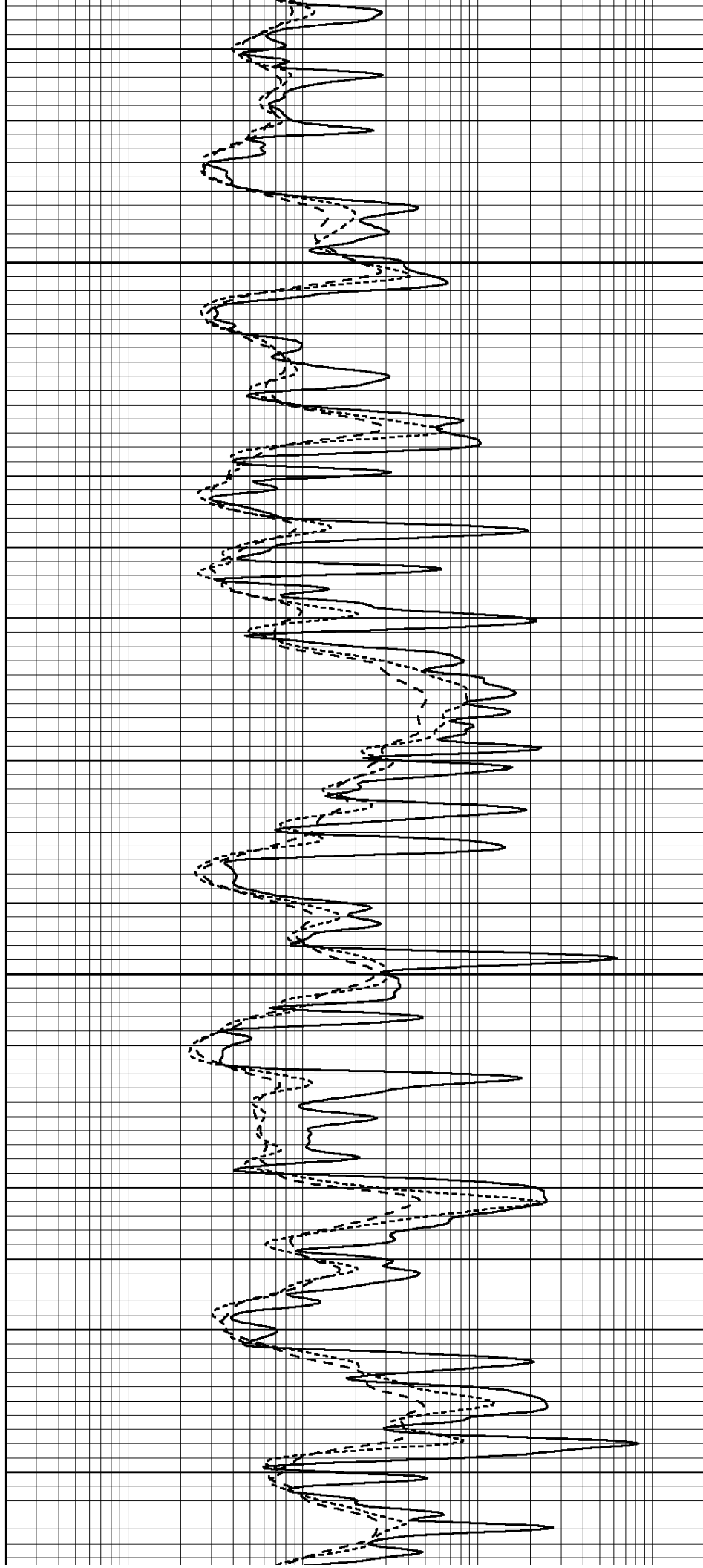


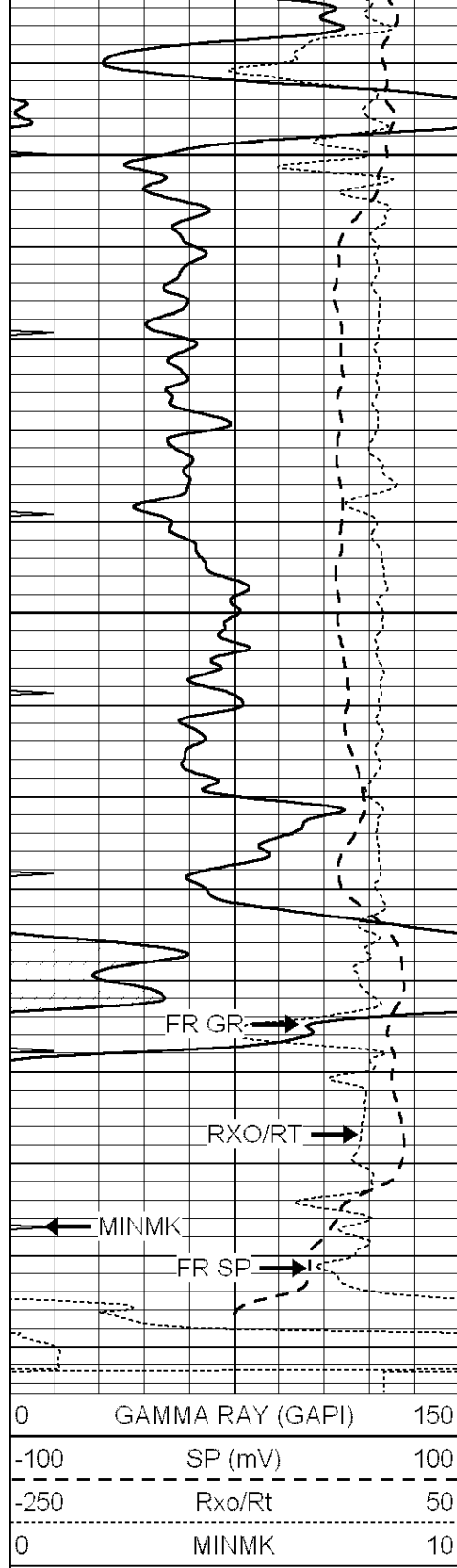
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3450

3500

3550



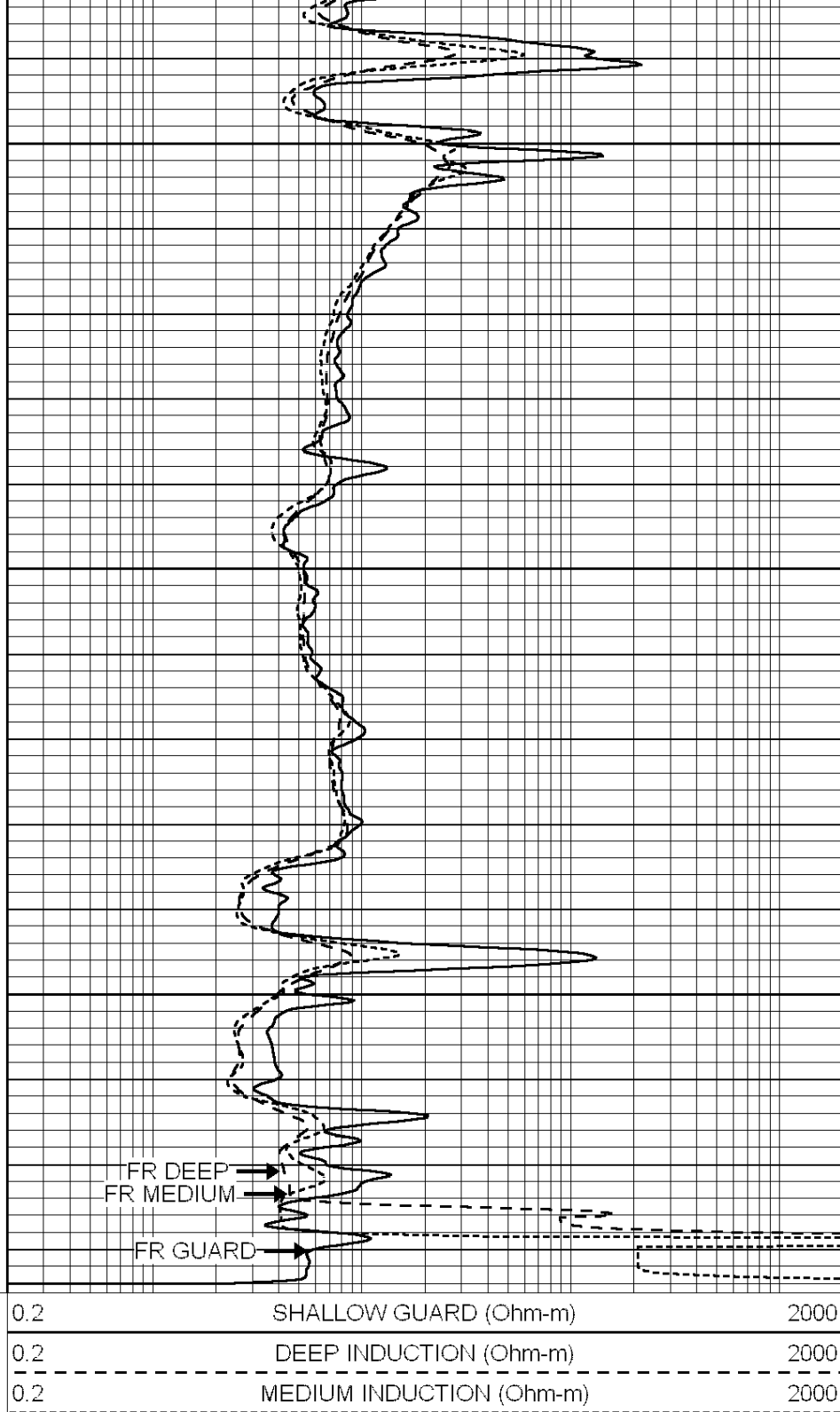


3600

3650

3700

LTD 3732



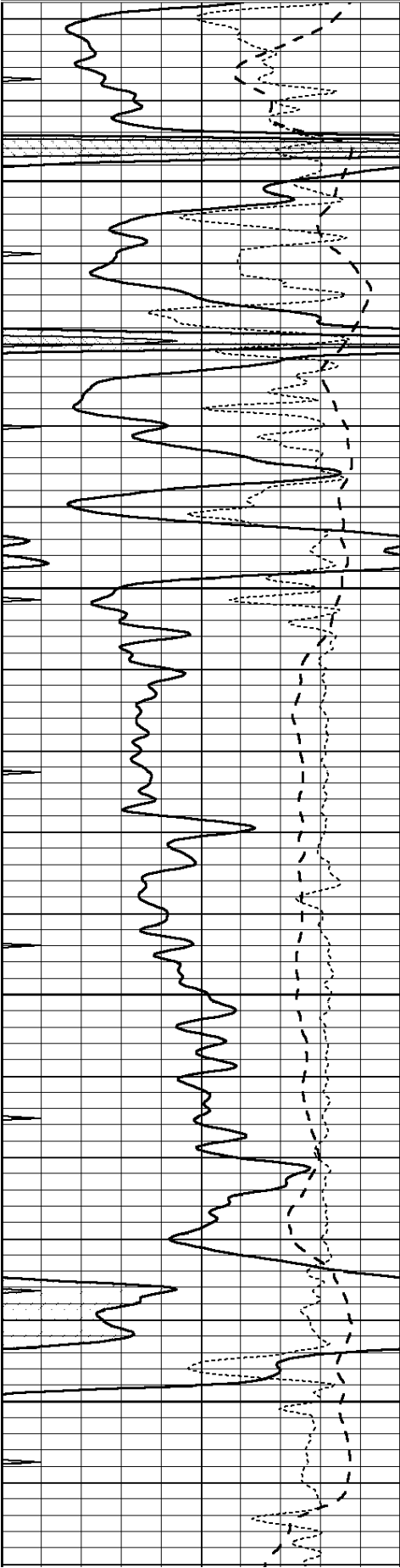
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REPEAT SECTION

Database File: 006958ddn.db
 Dataset Pathname: pass2.7
 Presentation Format: dil
 Dataset Creation: Tue May 24 13:59:38 2011 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	MINMK	10

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

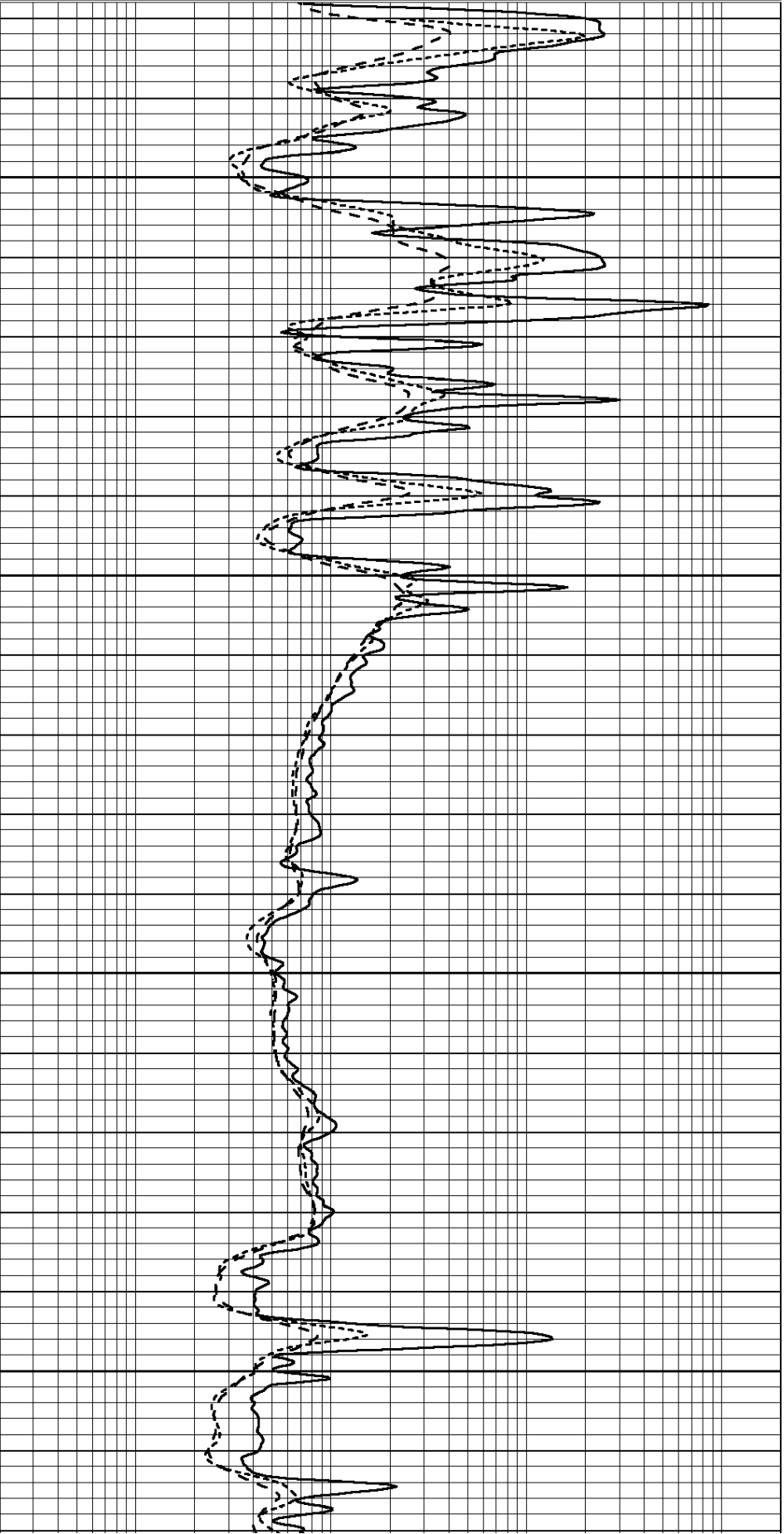


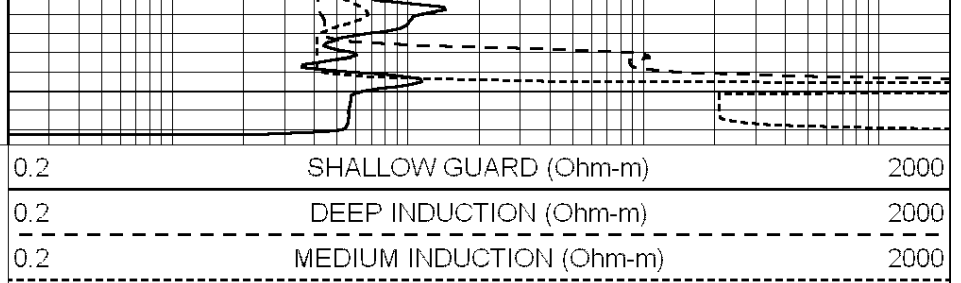
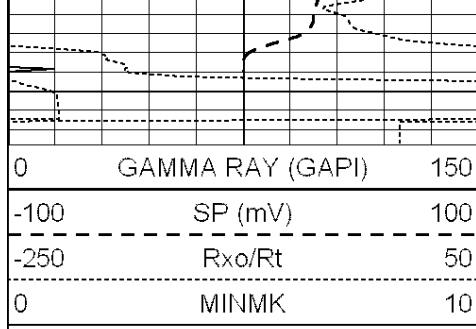
3550

3600

3650

3700





Calibration Report		
Database File:	006958ddn.db	
Dataset Pathname:	pass3.5	
Dataset Creation:	Tue May 24 13:56:56 2011 by Calc Open-Cased 090629	

Dual Induction Calibration Report		
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Serial-Model:	DIL6-GEAR
Performed:	Tue May 24 13:09:42 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	-5.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-22.000
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 Report		
Serial:	004N	Model: PRB
Performed	Tue Sep 08 13:49:55 2009	

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper		
Low Ref	Readings	Reference
High Ref	2.5	6.4
	4.4	14.0
	Gain: 4.0	Offset: -3.8

Compensated Neutron Calibration Report		
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Serial Number:	NEU_3I
Tool Model:	G

CALIBRATION		
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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:	GR4		
Tool Model:	OPEN		
Performed:	Tue May 24 12:39:34 2011		
Calibrator Value:	200.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	189.0	cps	
Sensitivity:	0.9000	GAPI/cps	