



SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company	TRANS - PACIFIC OIL CORPORATION		
Well	BRIGGS "C" #1-18		
Field	WILDCAT		
County	GOVE		
State	KANSAS		
Company	TRANS - PACIFIC OIL CORPORATION		
Well	BRIGGS "C" #1-18		
Field	WILDCAT		
County	GOVE		
State	KANSAS		
Location:	AP1 # : 15-063-21956-0000		Other Services
	1650' FSL & 1320' FEL		CDL/CNL
	SEC 18 TWP 14S RGE 27W		
Permanent Datum	GROUND LEVEL	Elevation	2522
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
		Elevation	K.B. 2531 D.F. 2529 G.L. 2522
Date	12/8/11		
Run Number	ONE		
Depth Driller	4400		
Depth Logger	4402		
Bottom Logged Interval	4400		
Top Log Interval	00		
Casing Driller	8 5/8"@225'		
Casing Logger	225		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHORLIDES 4,000 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800@80F		
Rmt @ Meas. Temp	.600@80F		
Rmc @ Meas. Temp	.960@80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.533@120F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	6:30 A.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUBBERS		
Witnessed By	CRISTINA GOODRICH		

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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. & I-70, 15S. TO "RD. K", 6W. TO "RD. 60", 1/2S., W. INTO



SUPERIOR
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MAIN SECTION

Database File: 007845ddn.db
Dataset Pathname: pass3.13
Presentation Format: dil2
Dataset Creation: Thu Dec 08 08:25:39 2011
Charted by: Depth in Feet scaled 1:600

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

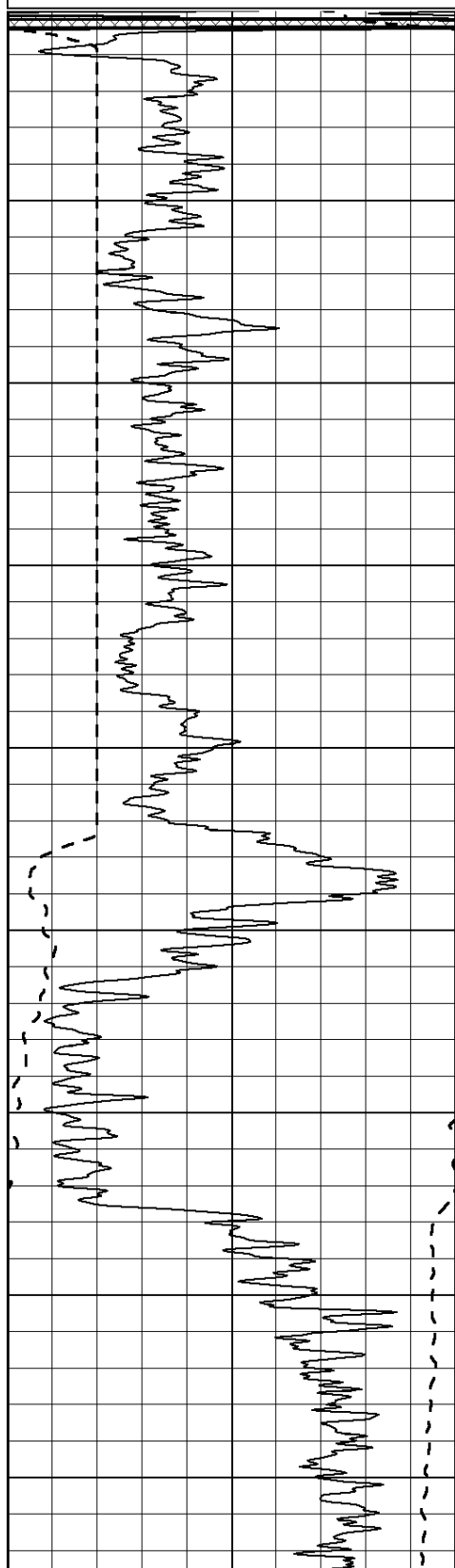
0	RLL3 (Ohm-m)	50
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0	RILD (Ohm-m)	50
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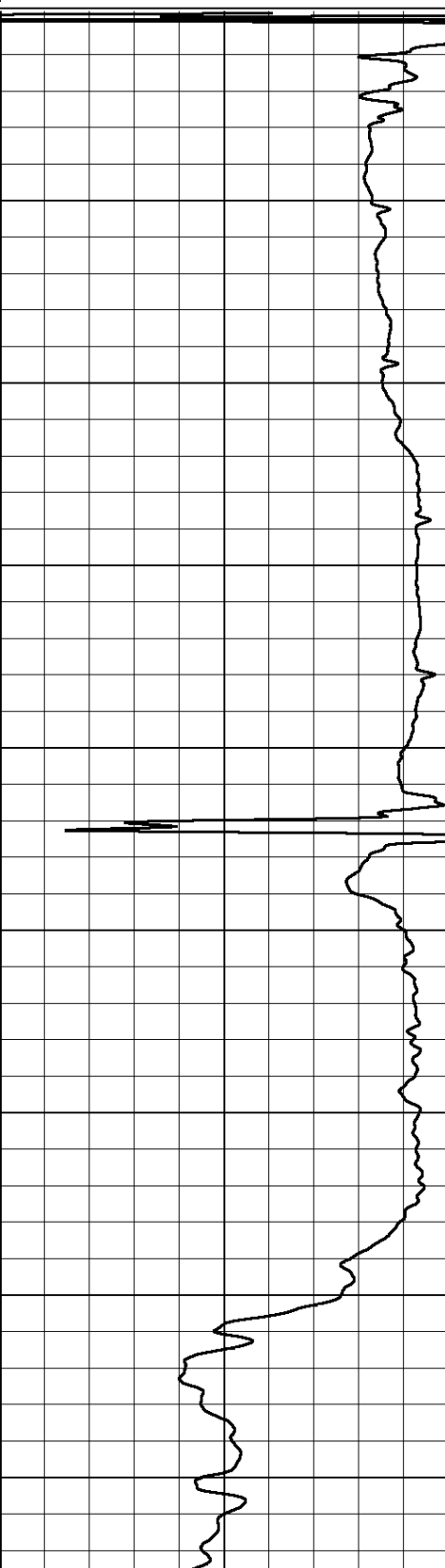
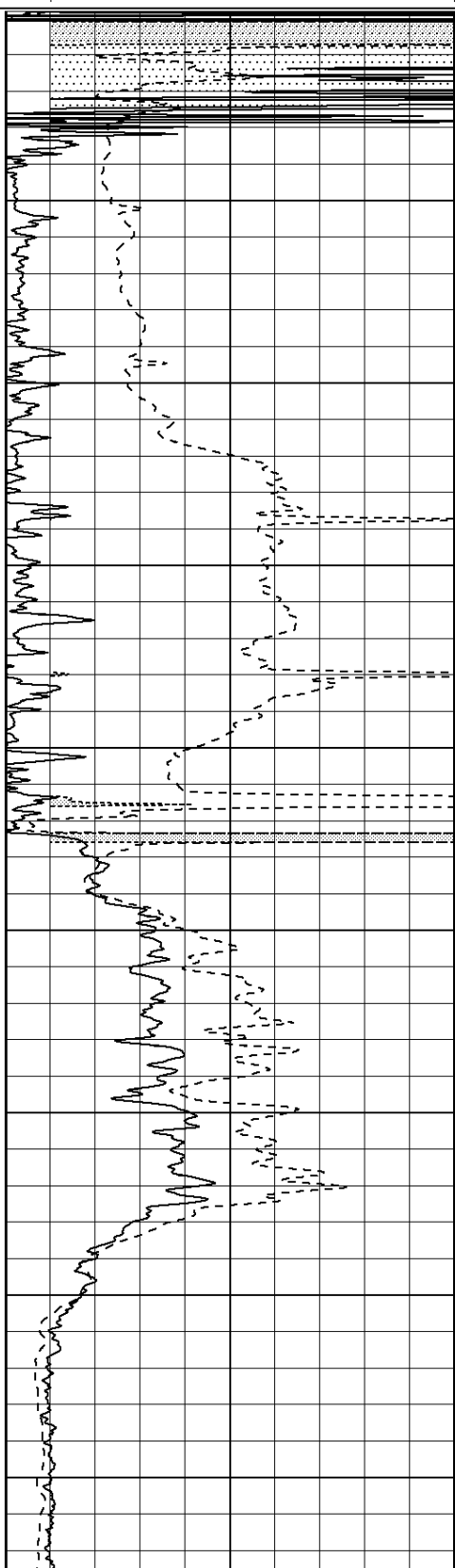
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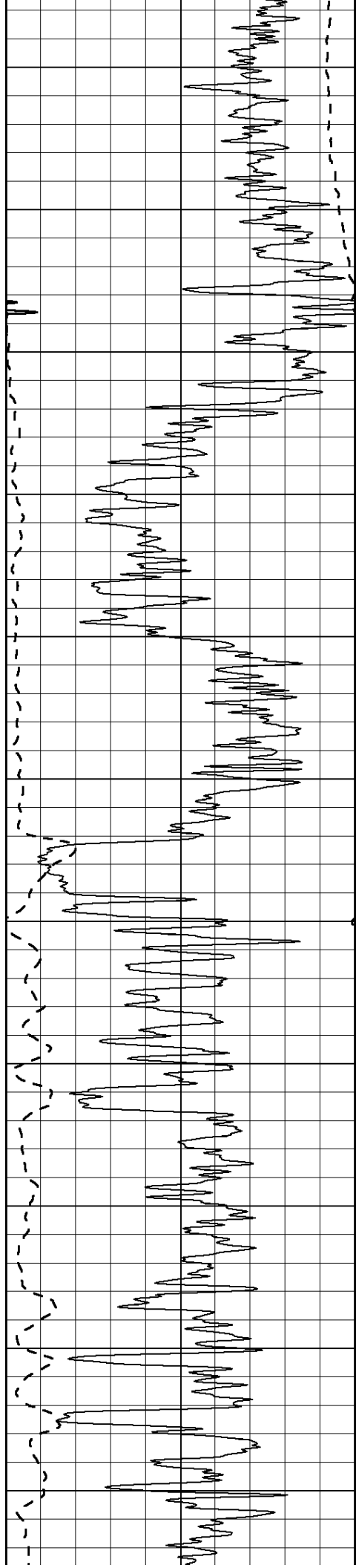
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50	RLL3 X10 (Ohm-m)	500
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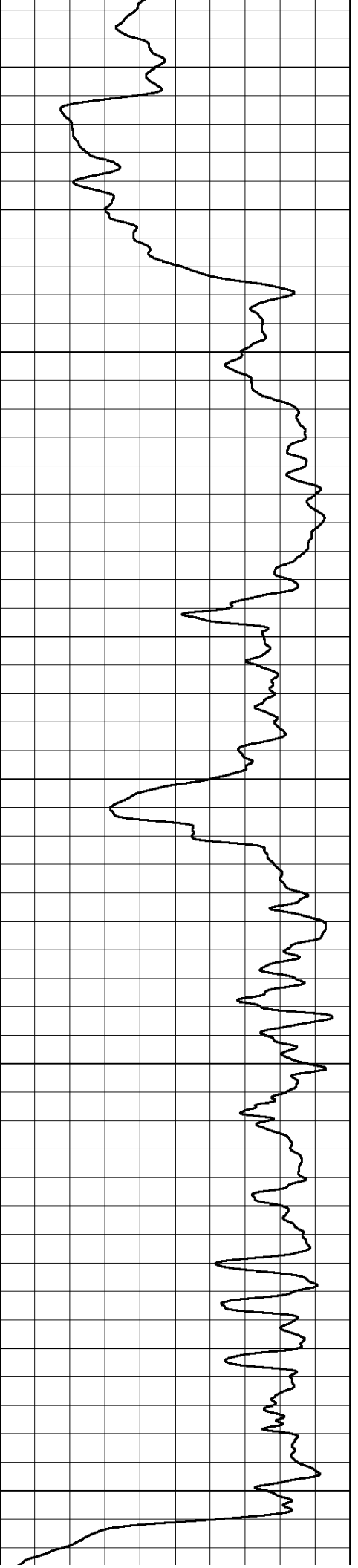
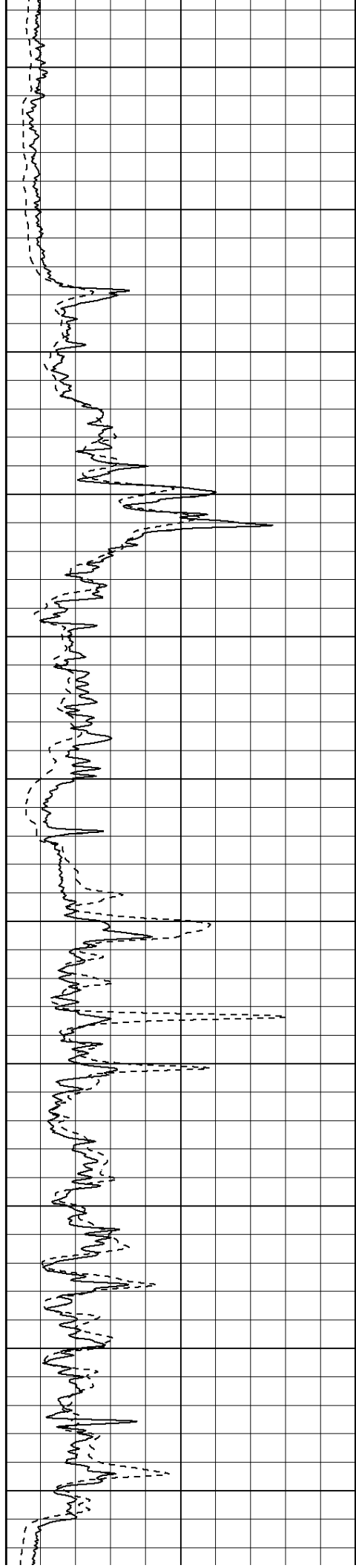


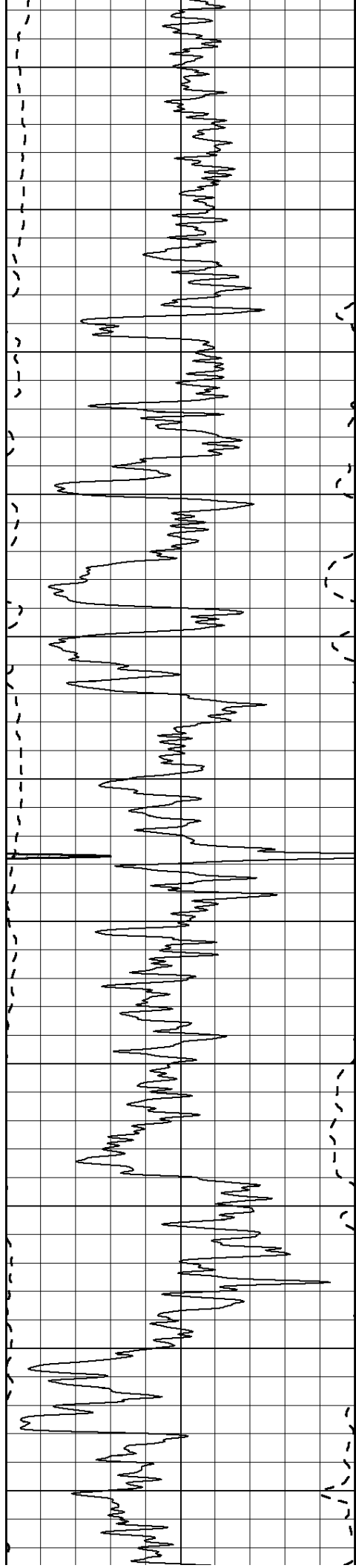
0
50
100
150
200
250
300
350
400



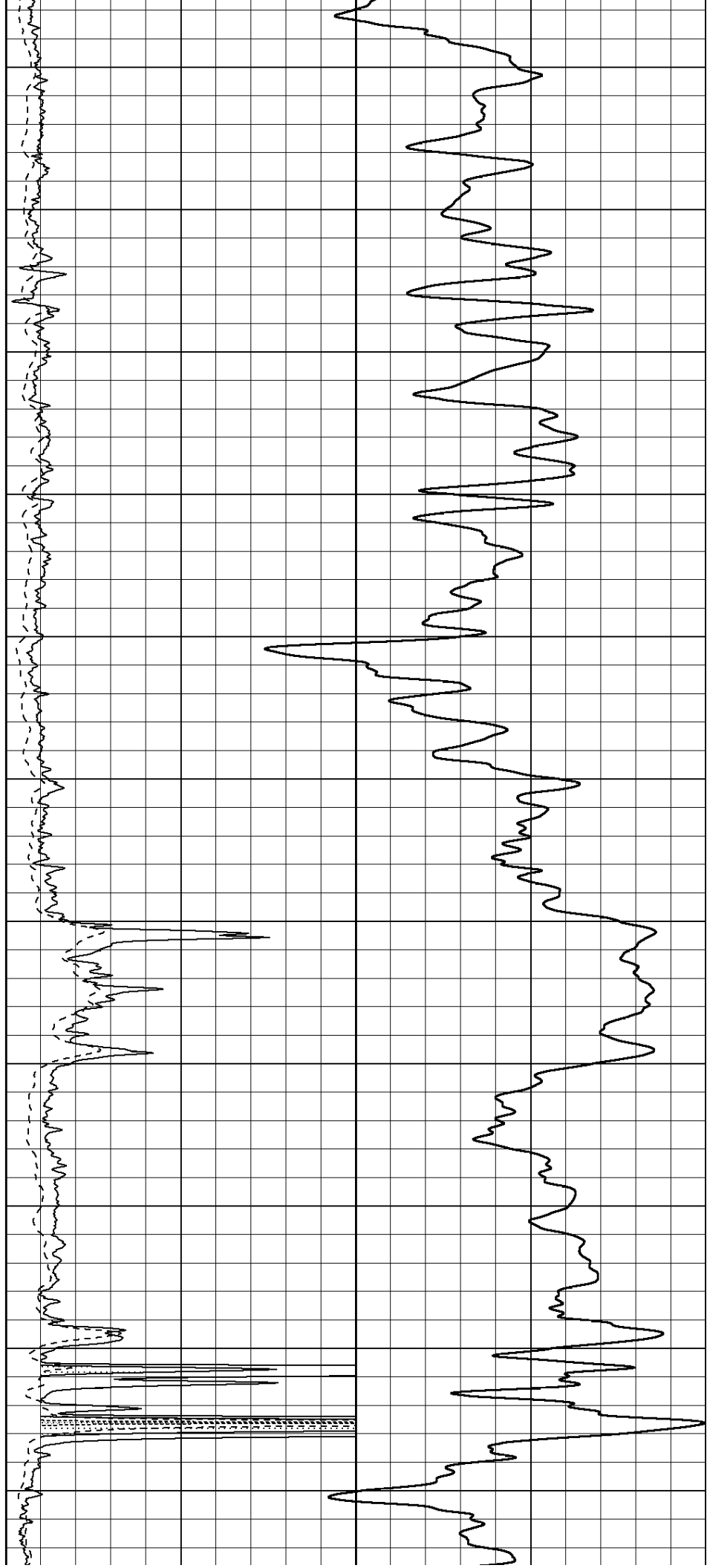


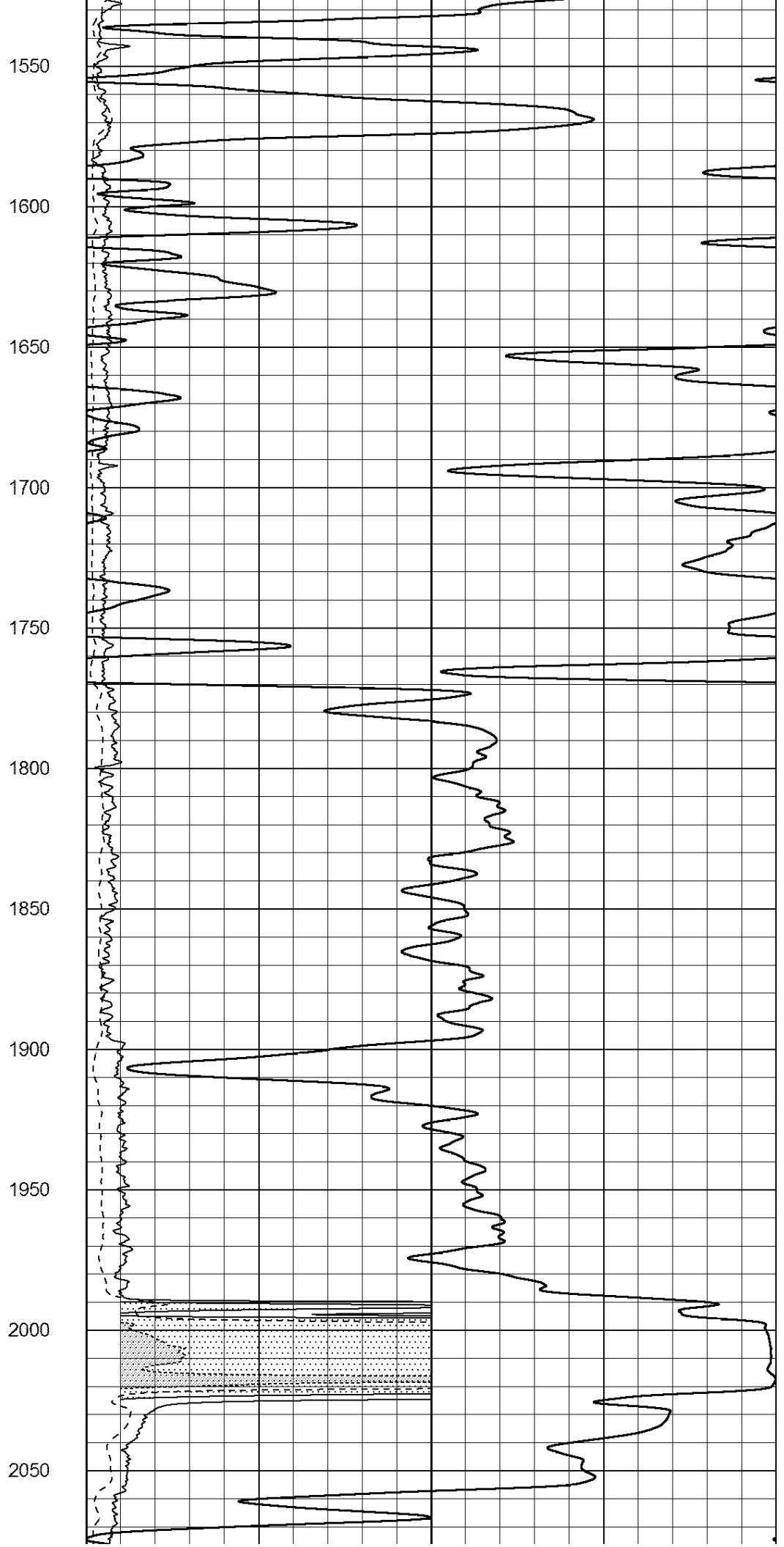
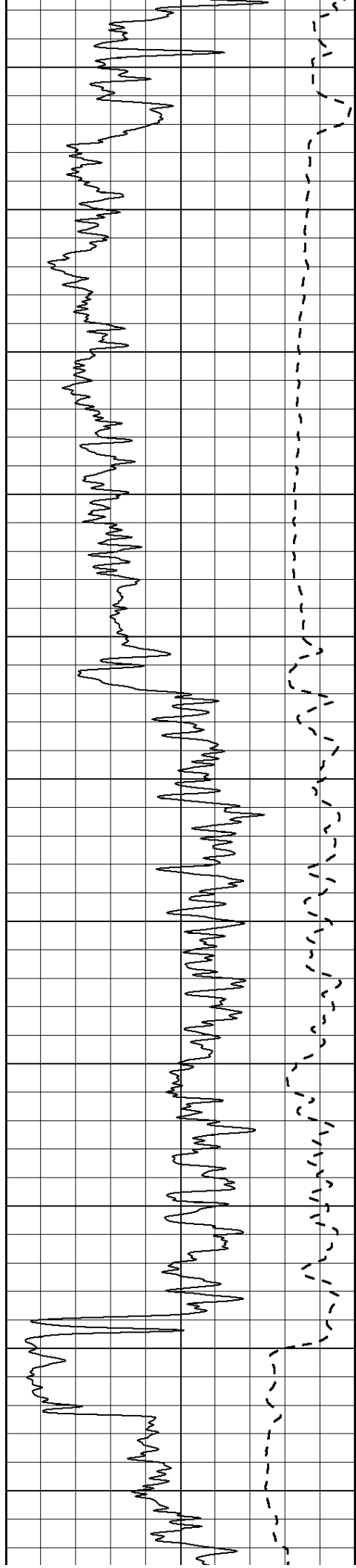
450
500
550
600
650
700
750
800
850
900
950

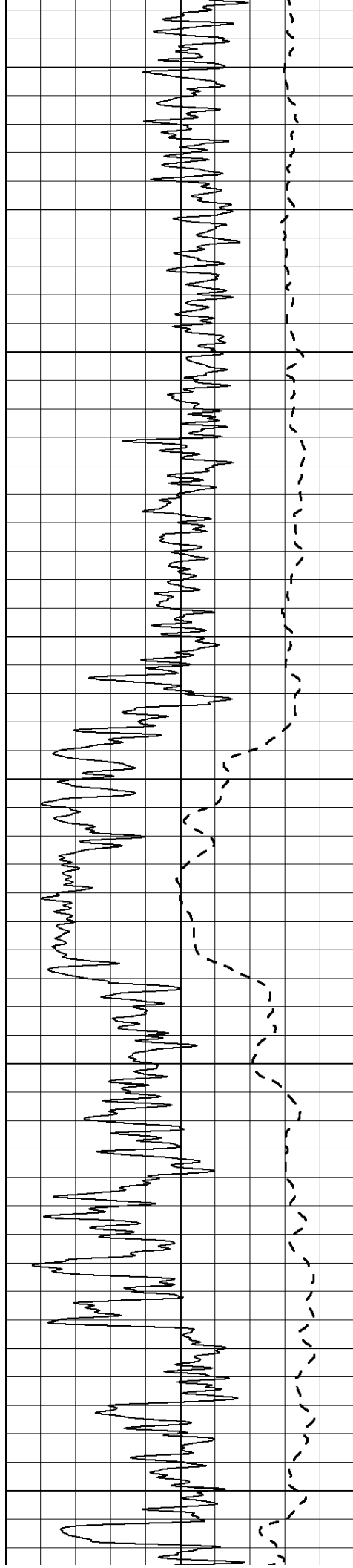




1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500







2100

2150

2200

2250

2300

2350

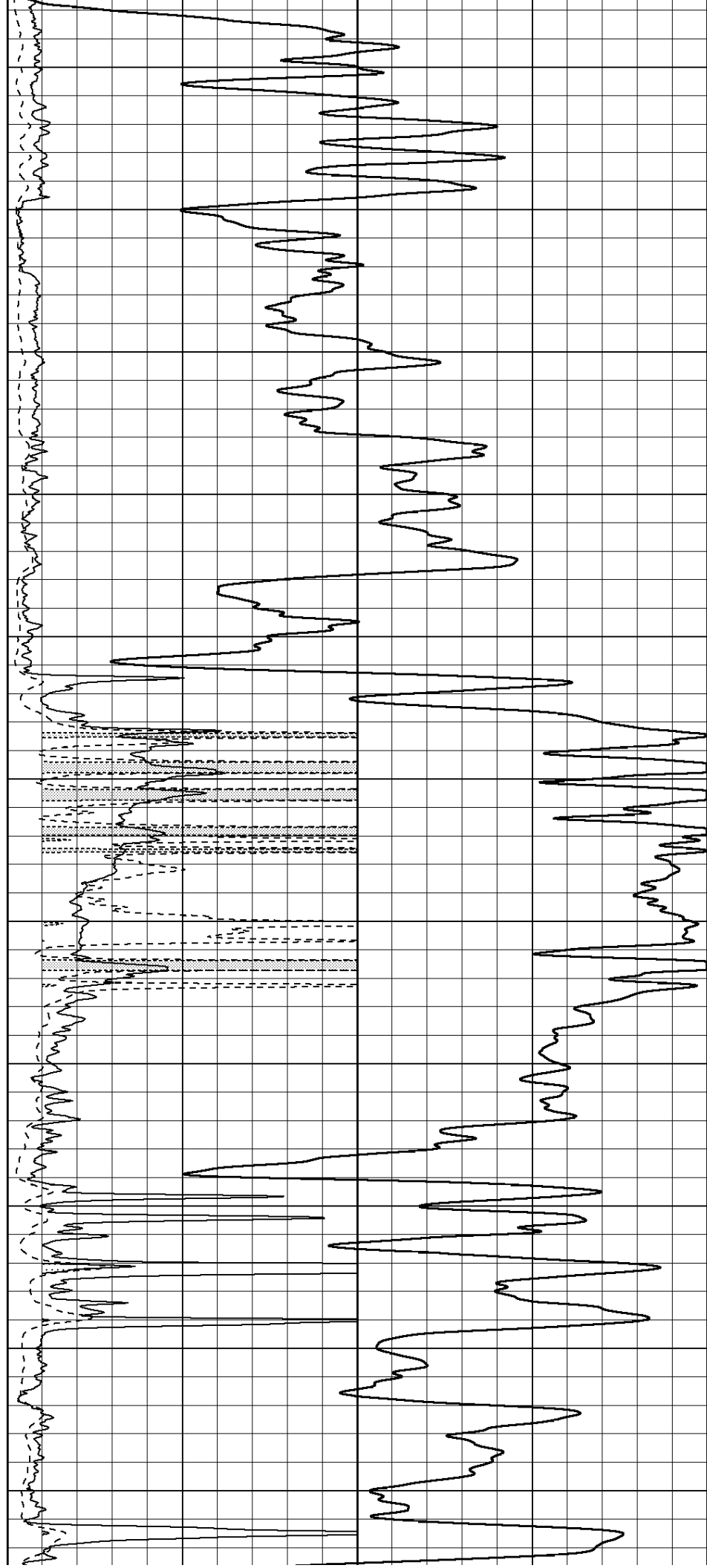
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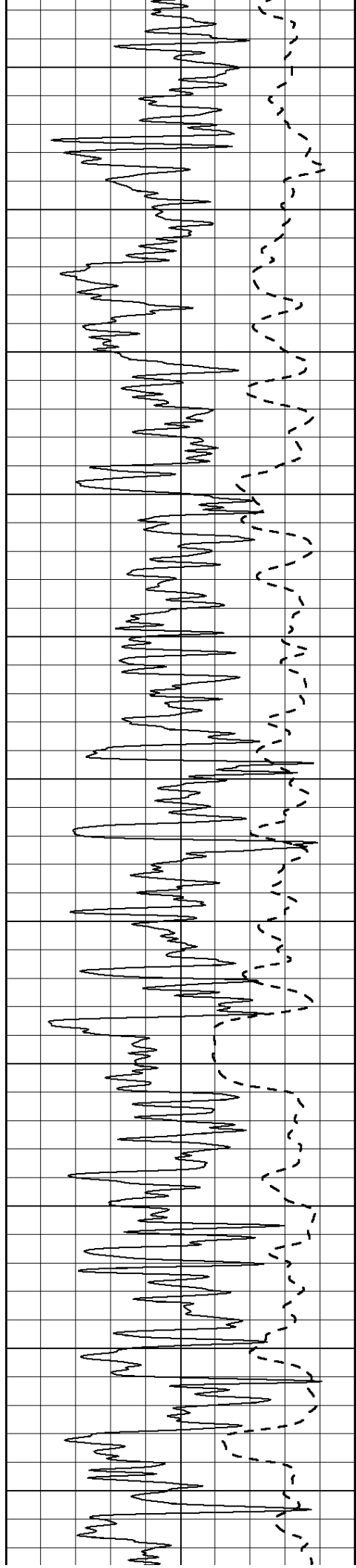
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2500

2550

2600





2650

2700

2750

2800

2850

2900

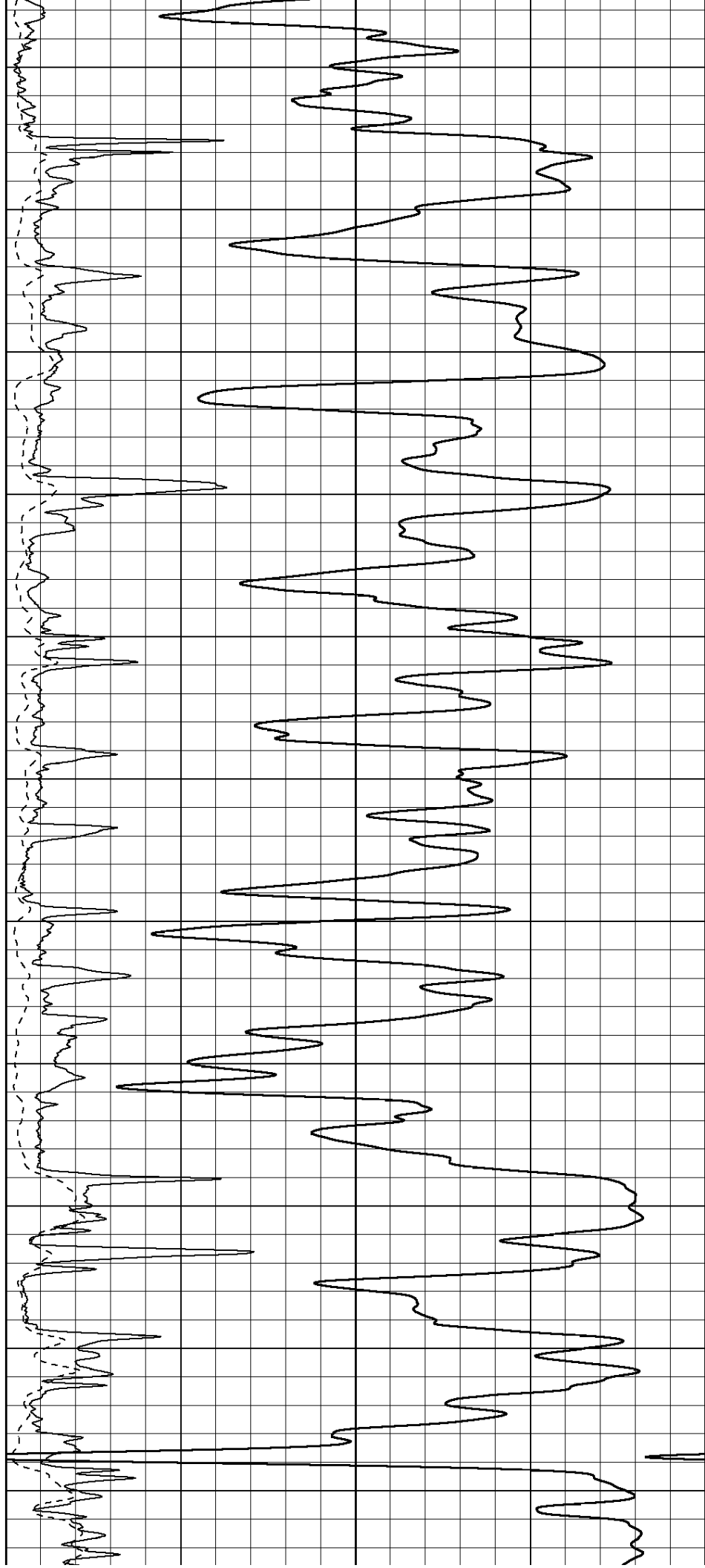
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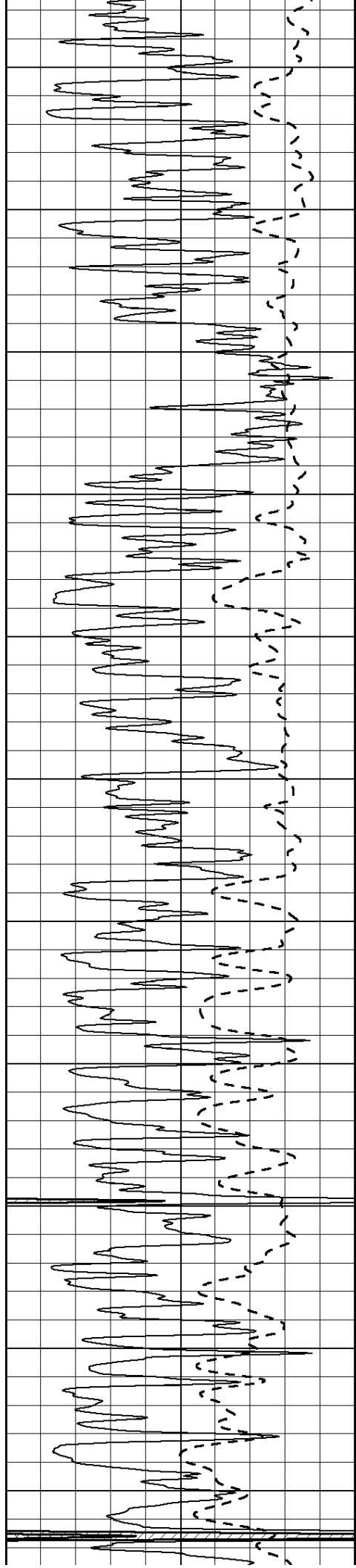
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3050

3100

3150





3200

3250

3300

3350

3400

3450

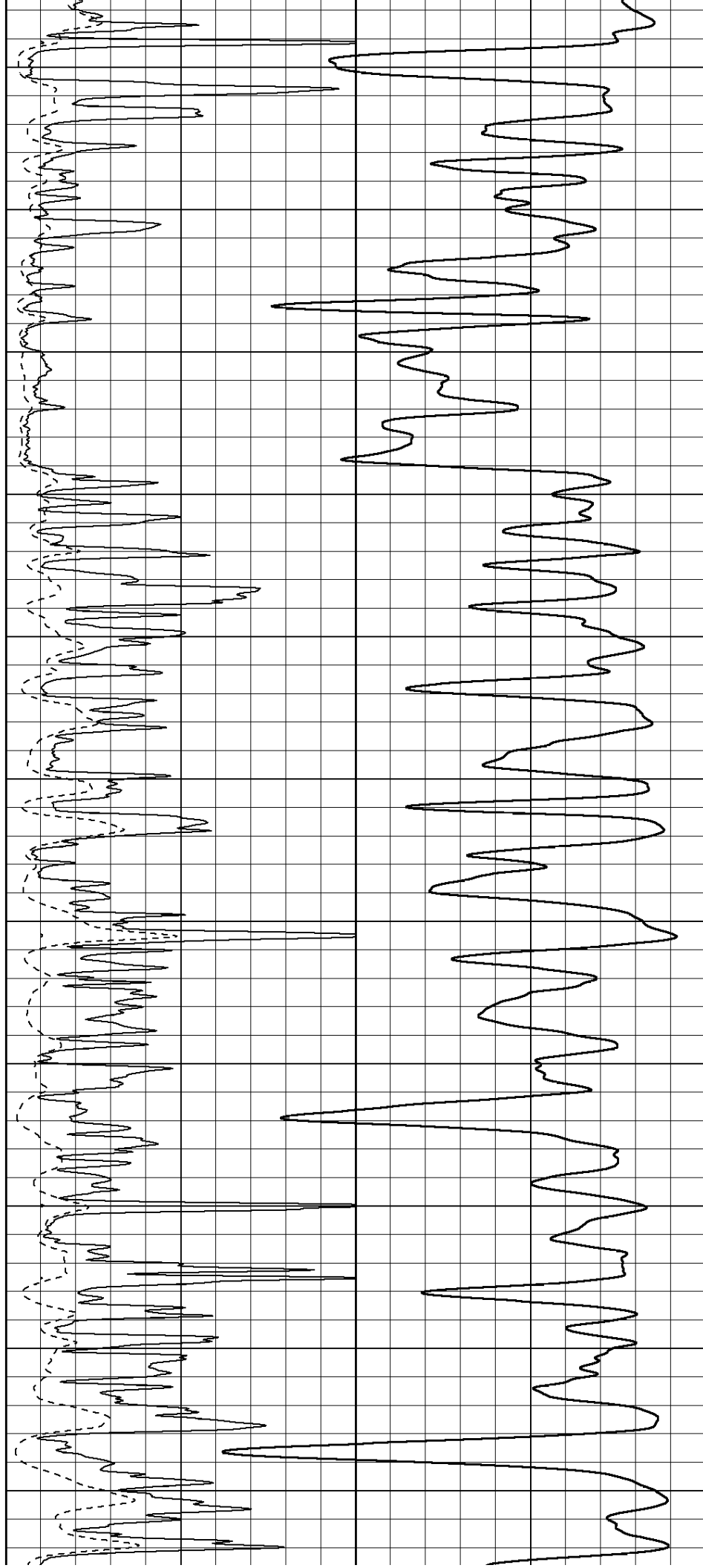
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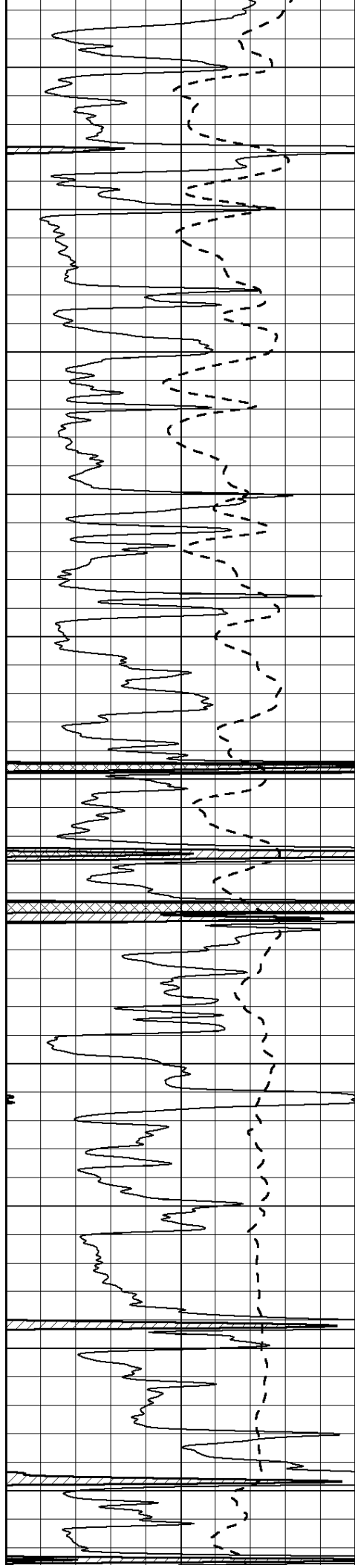
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3600

3650

3700





3750

3800

3850

3900

3950

4000

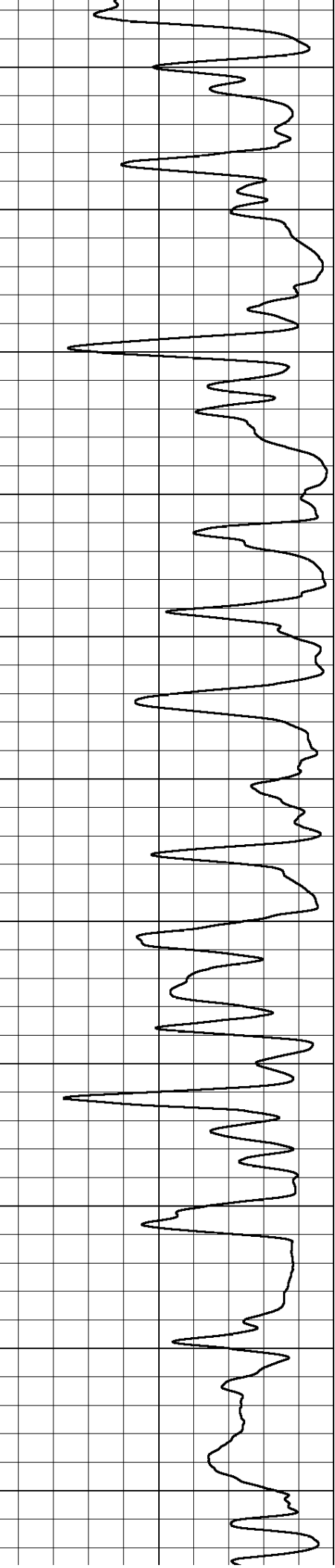
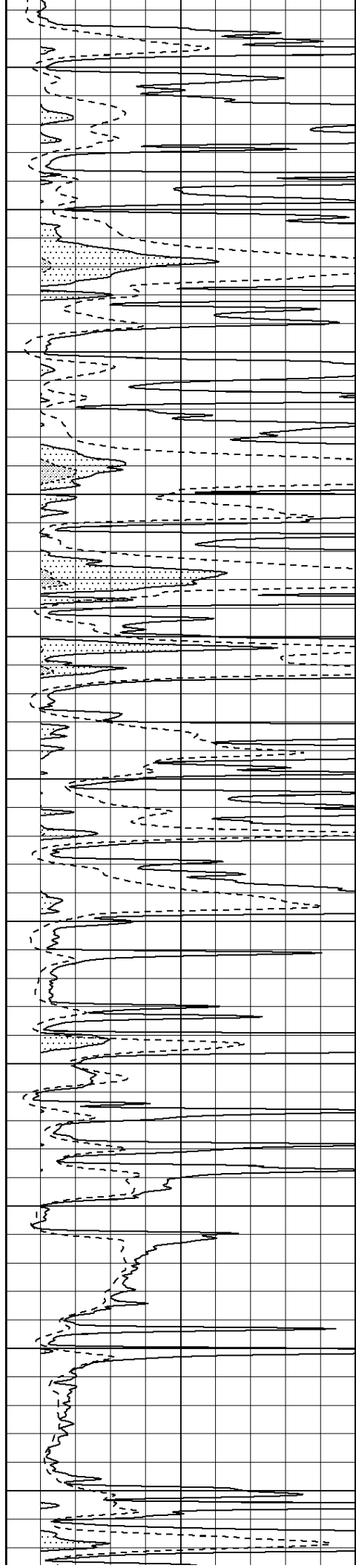
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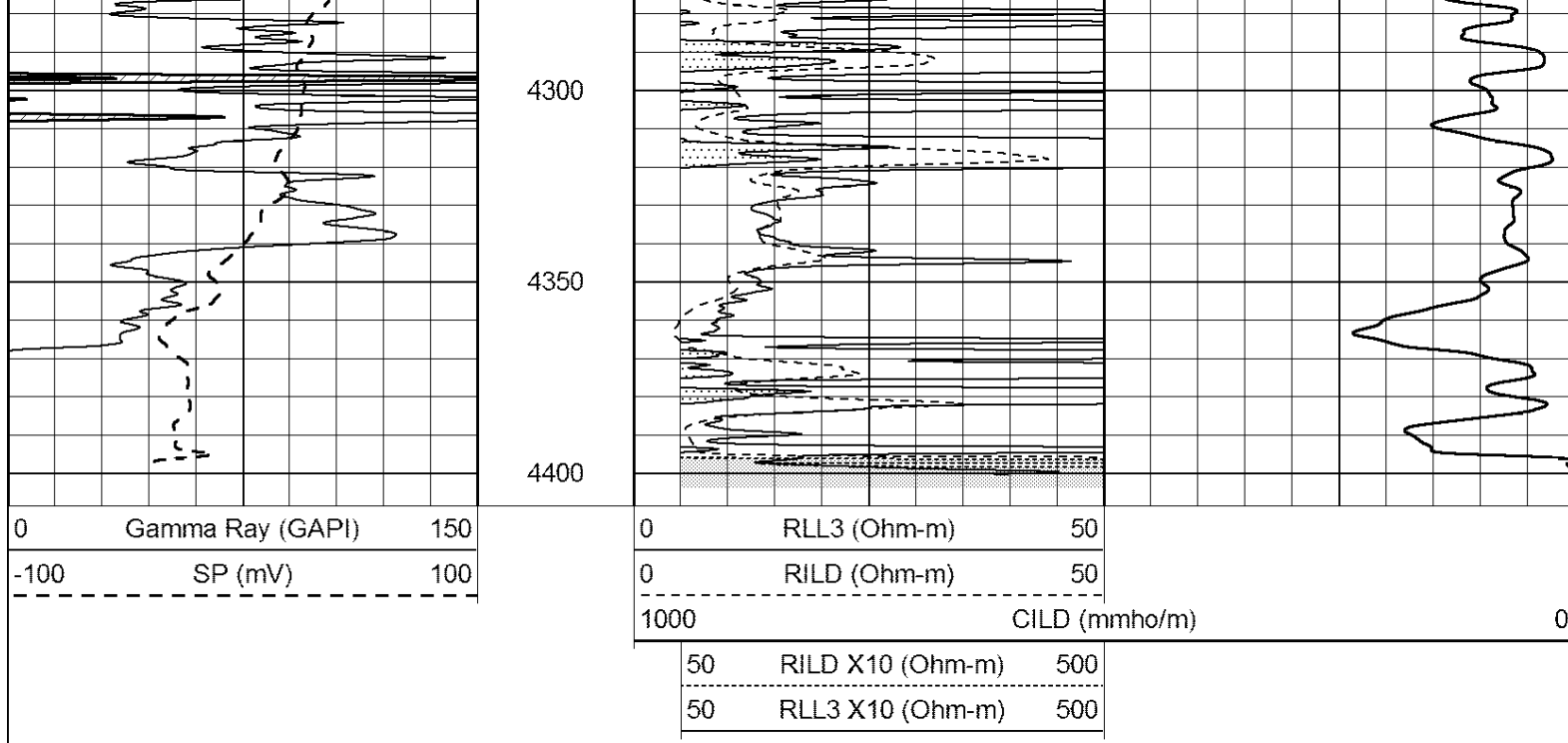
4100

4150

4200

4250





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ANHYDRITE

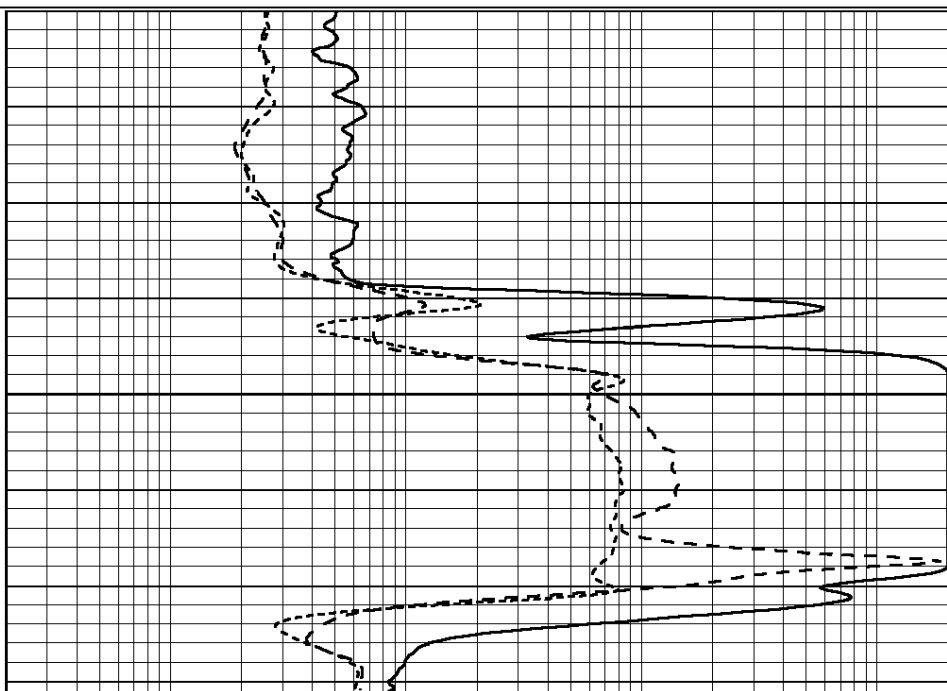
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 Dataset Creation: Thu Dec 08 08:25:57 2011
 Charted by: Depth in Feet scaled 1:240

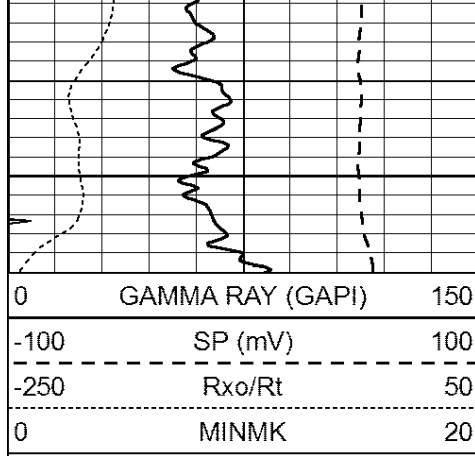
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

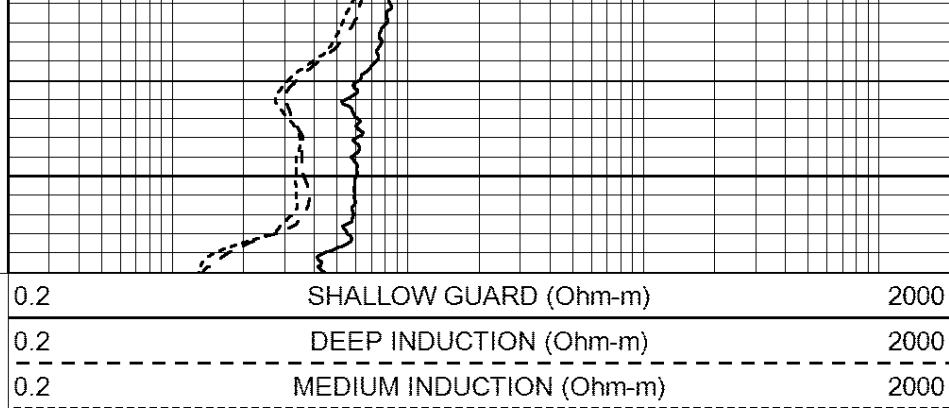


2000





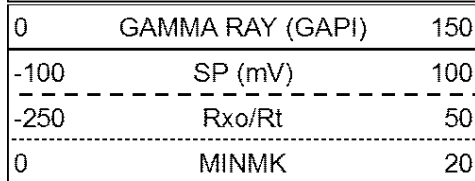
2050



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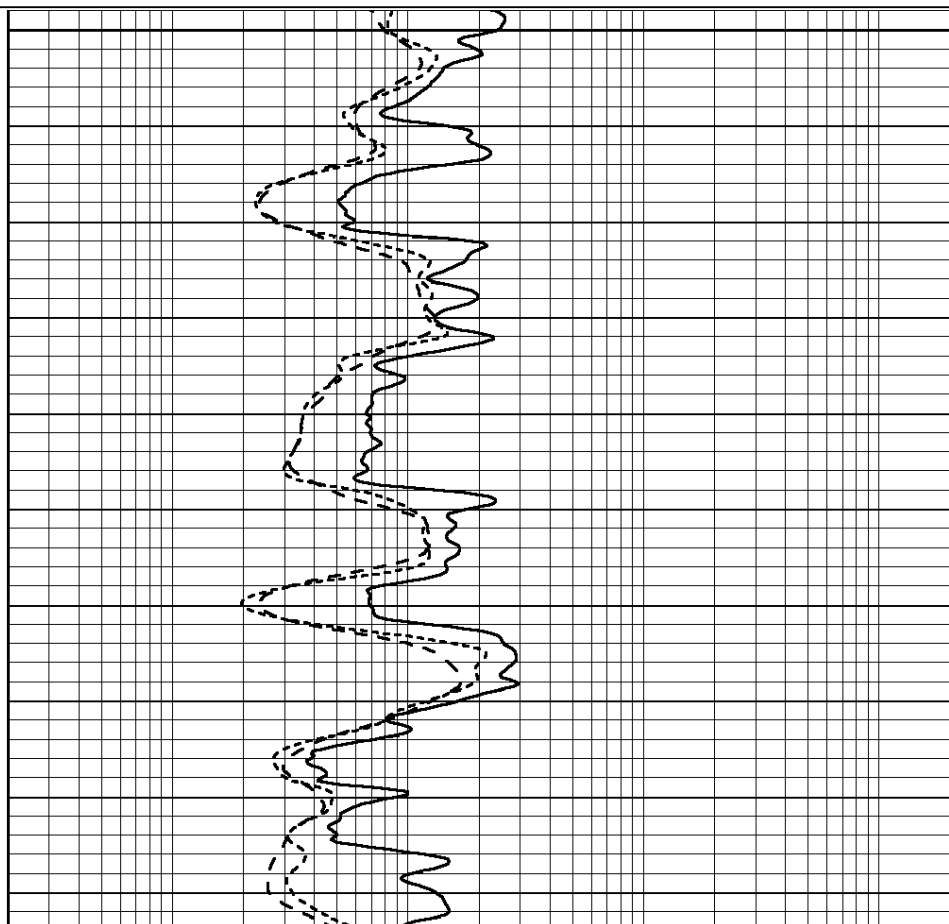
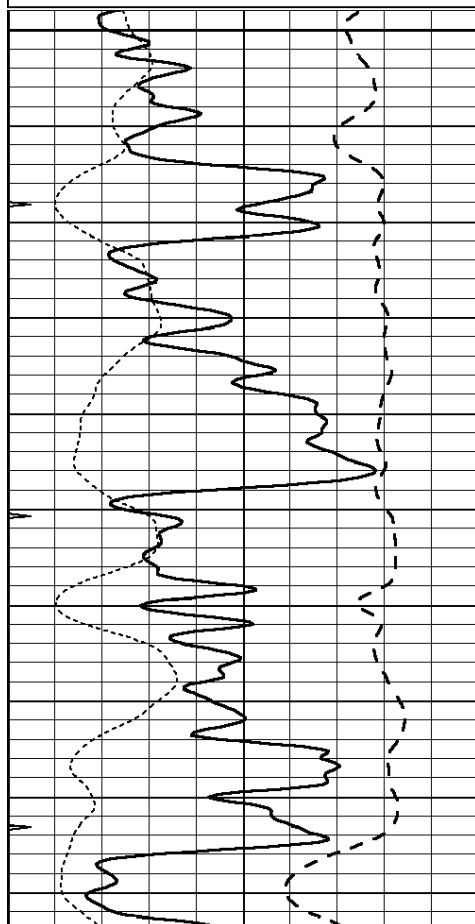
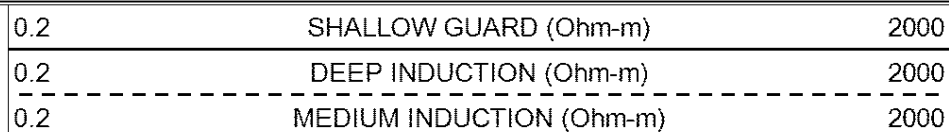
MAIN SECTION

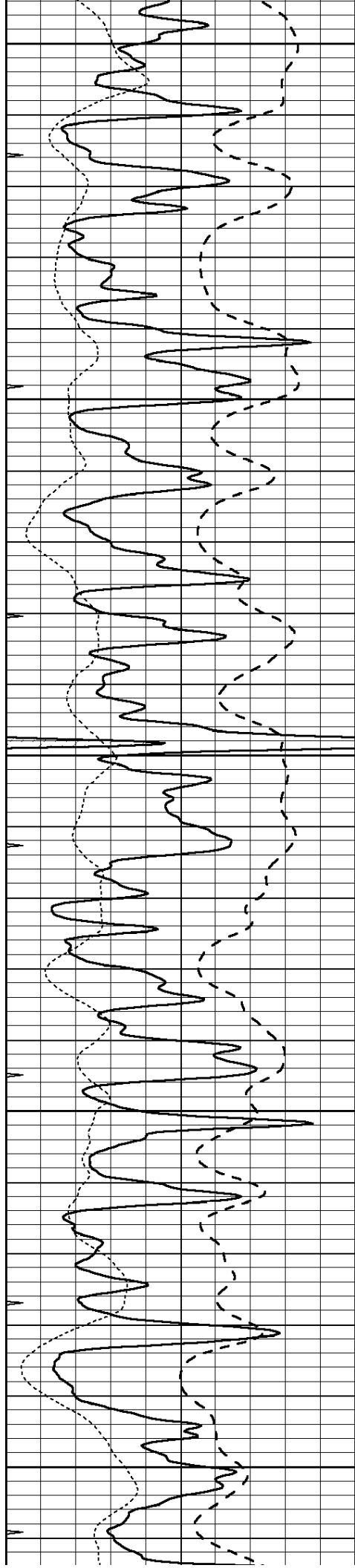
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 Presentation Format: dil
 Dataset Creation: Thu Dec 08 08:25:39 2011
 Charted by: Depth in Feet scaled 1:240



3400

3450





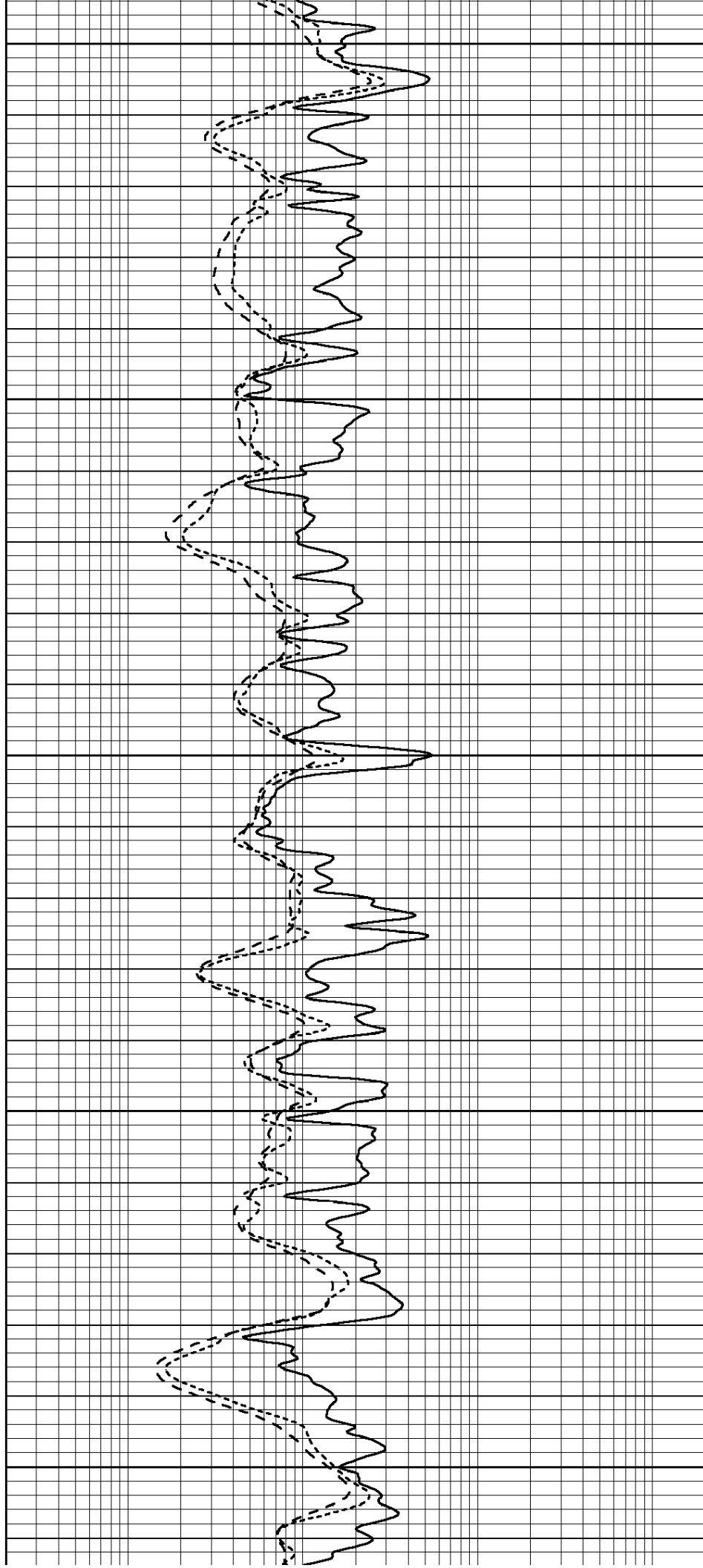
3500

3550

3600

3650

3700



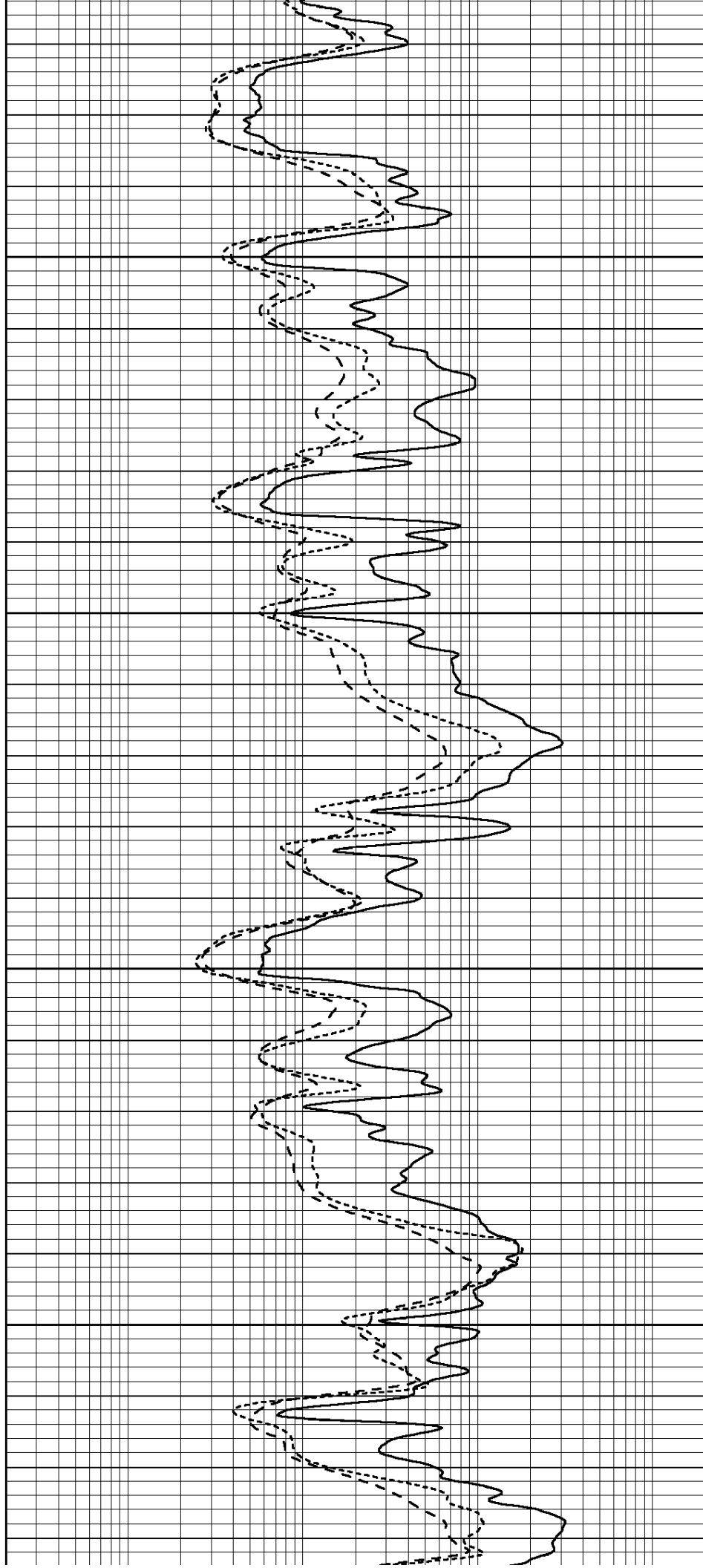


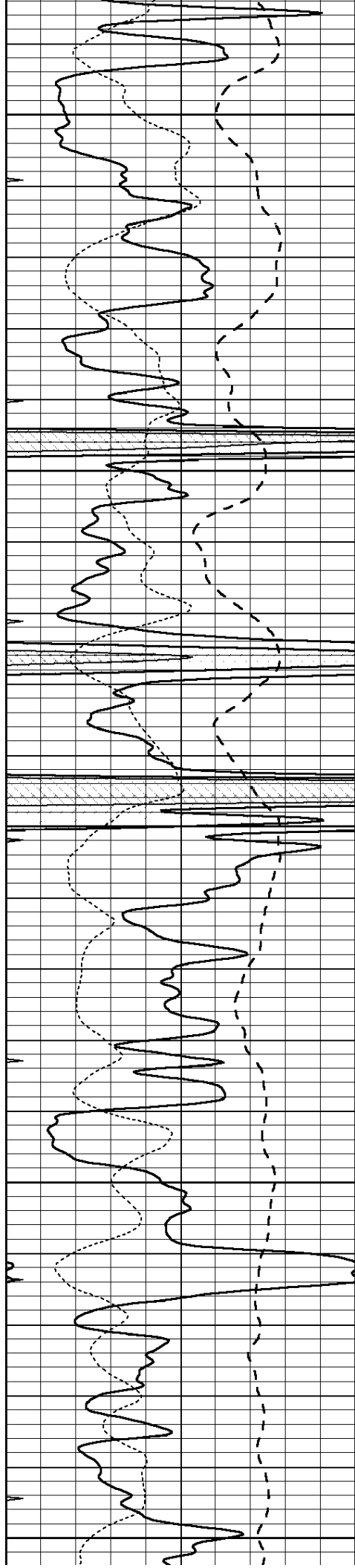
3750

3800

3850

3900





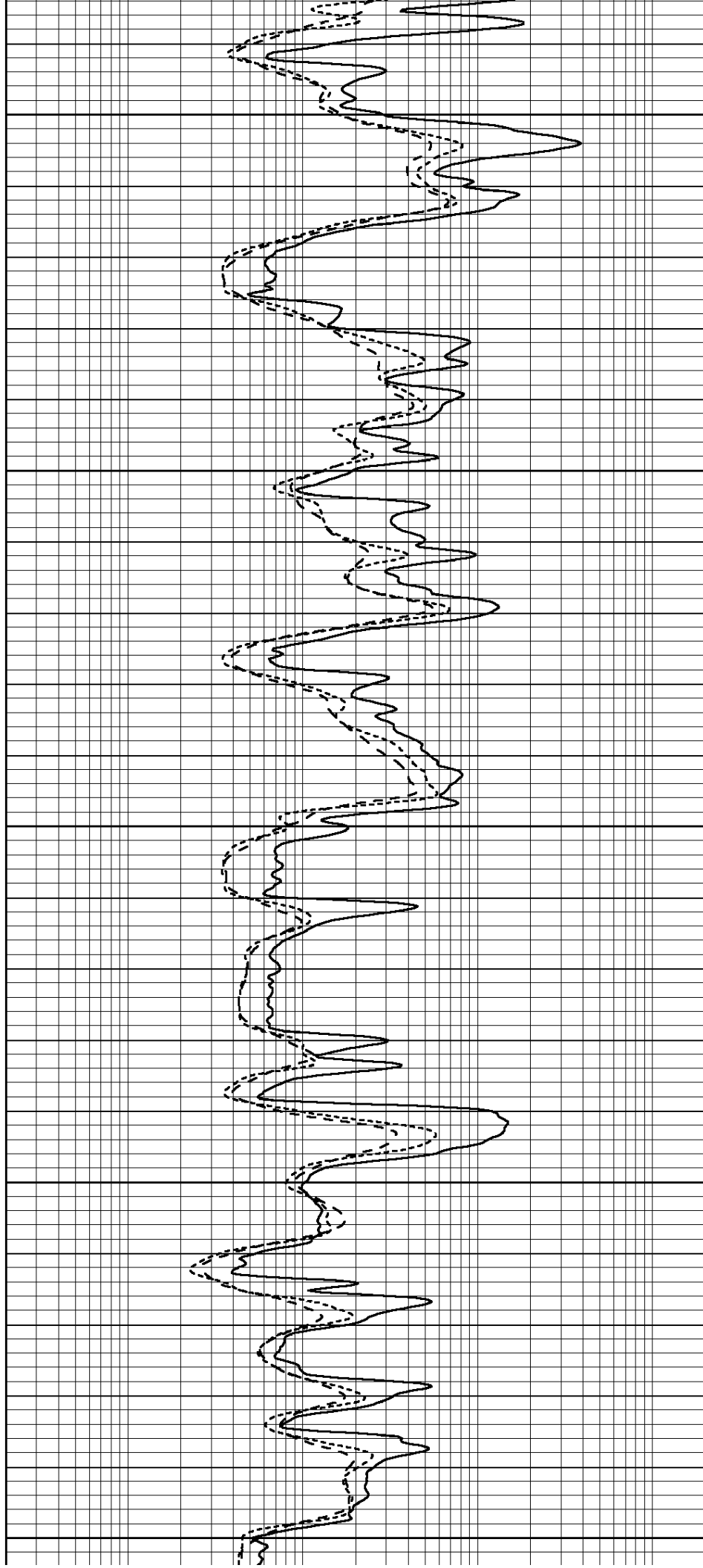
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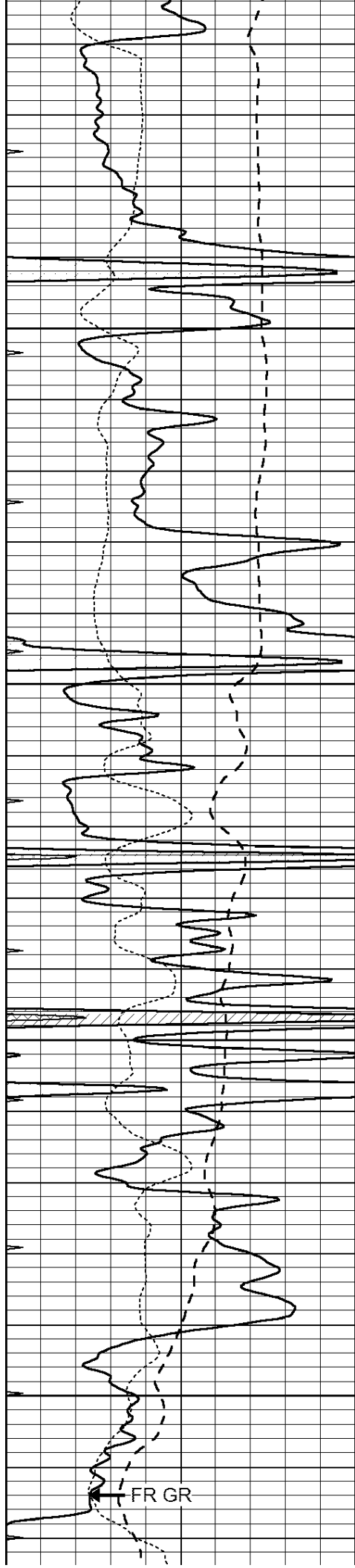
4000

4050

4100

4150





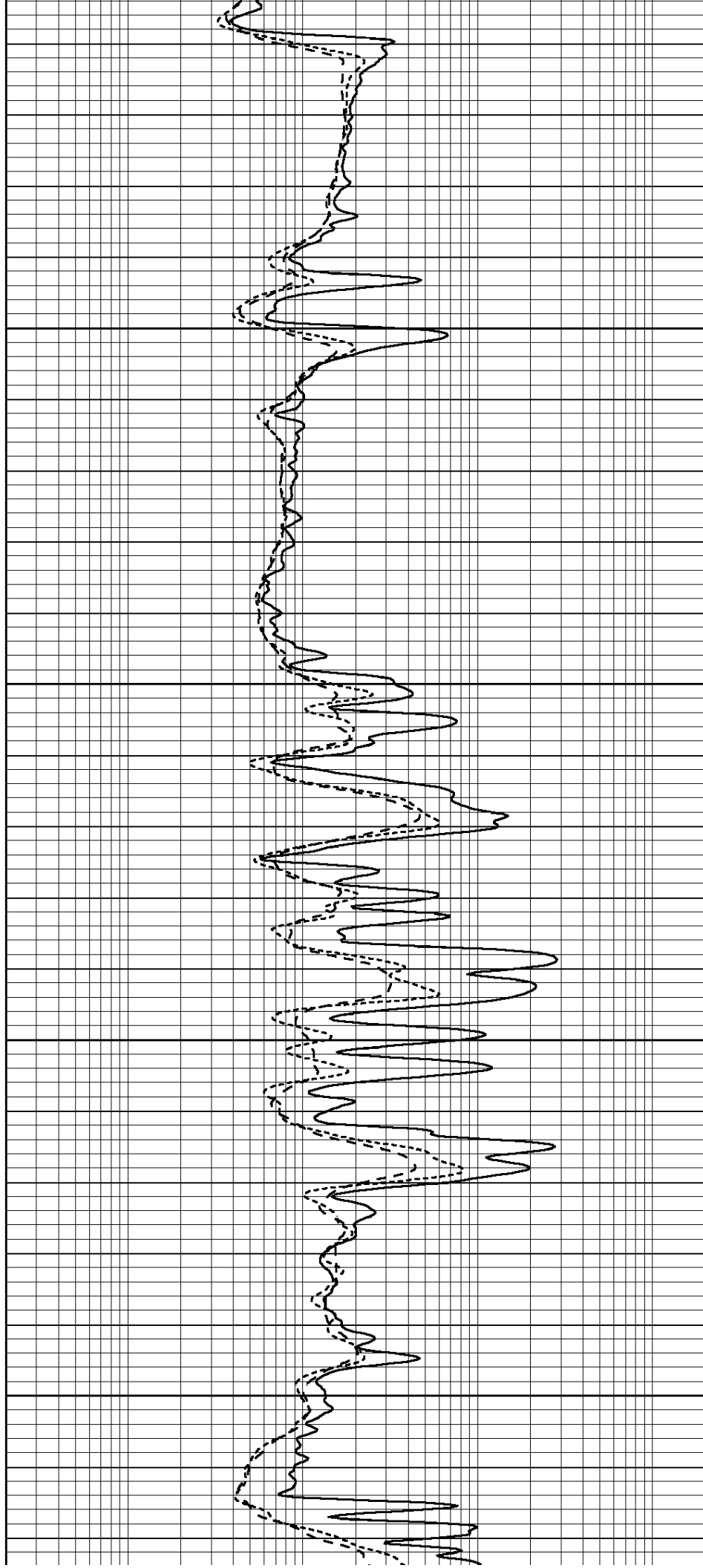
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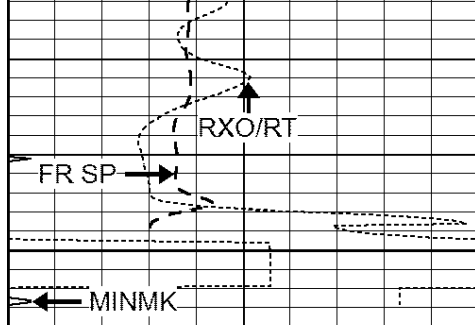
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4300

4350

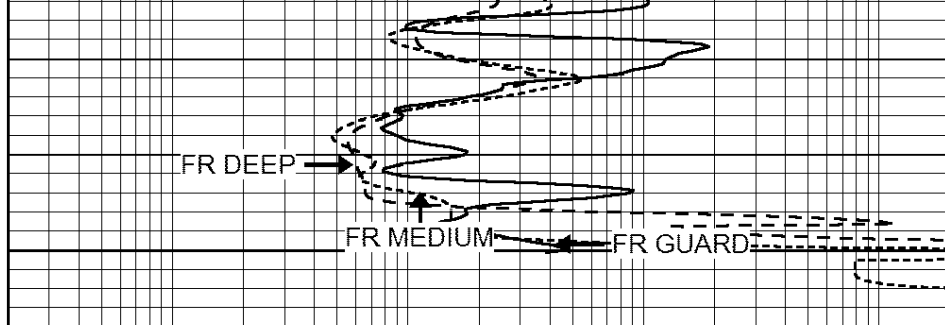
FR GR





4400
LTD 4402

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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



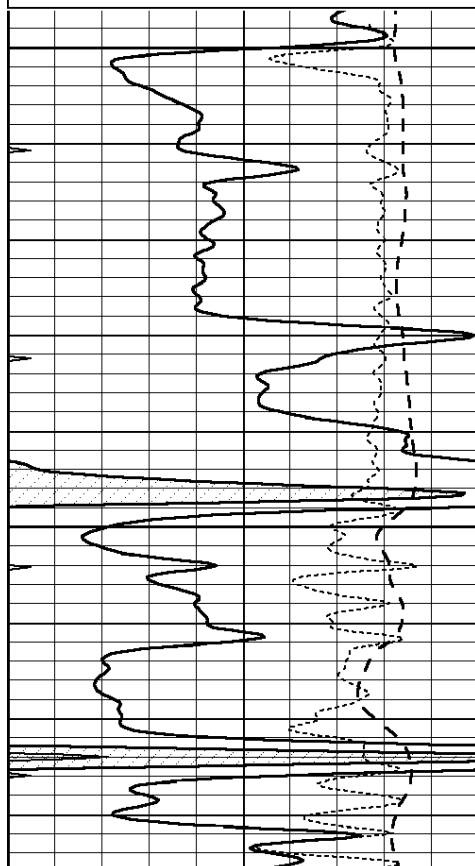
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 007845ddn.db
Dataset Pathname: pass2.7
Presentation Format: dil
Dataset Creation: Thu Dec 08 08:46:56 2011 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

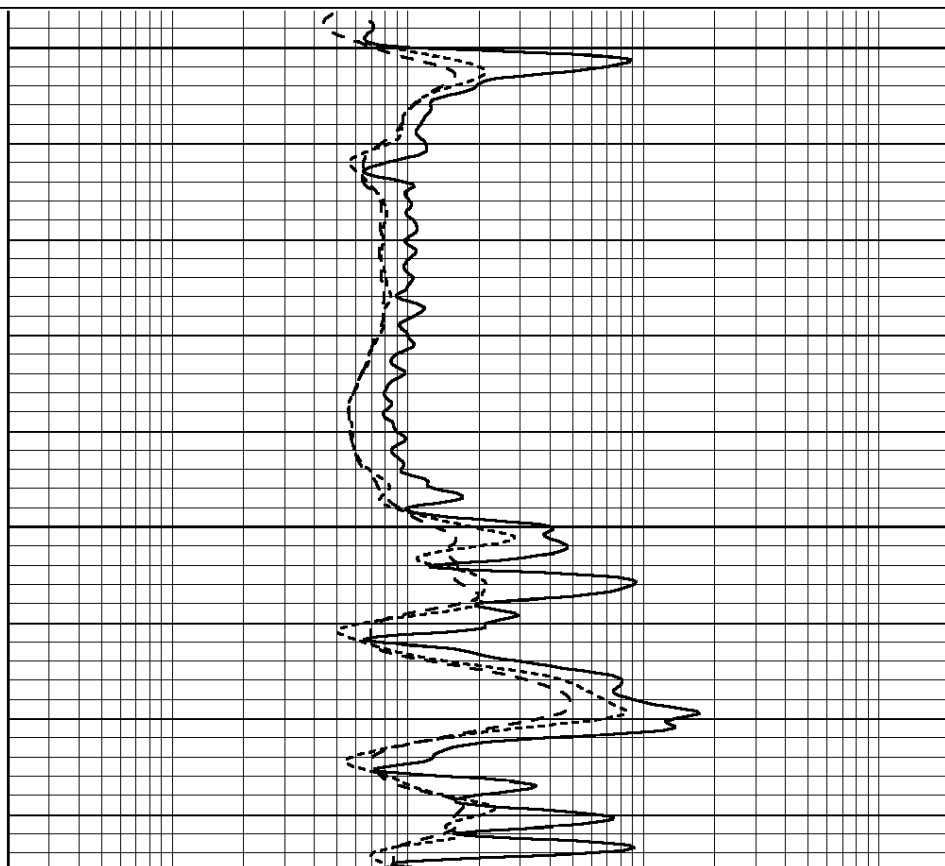
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

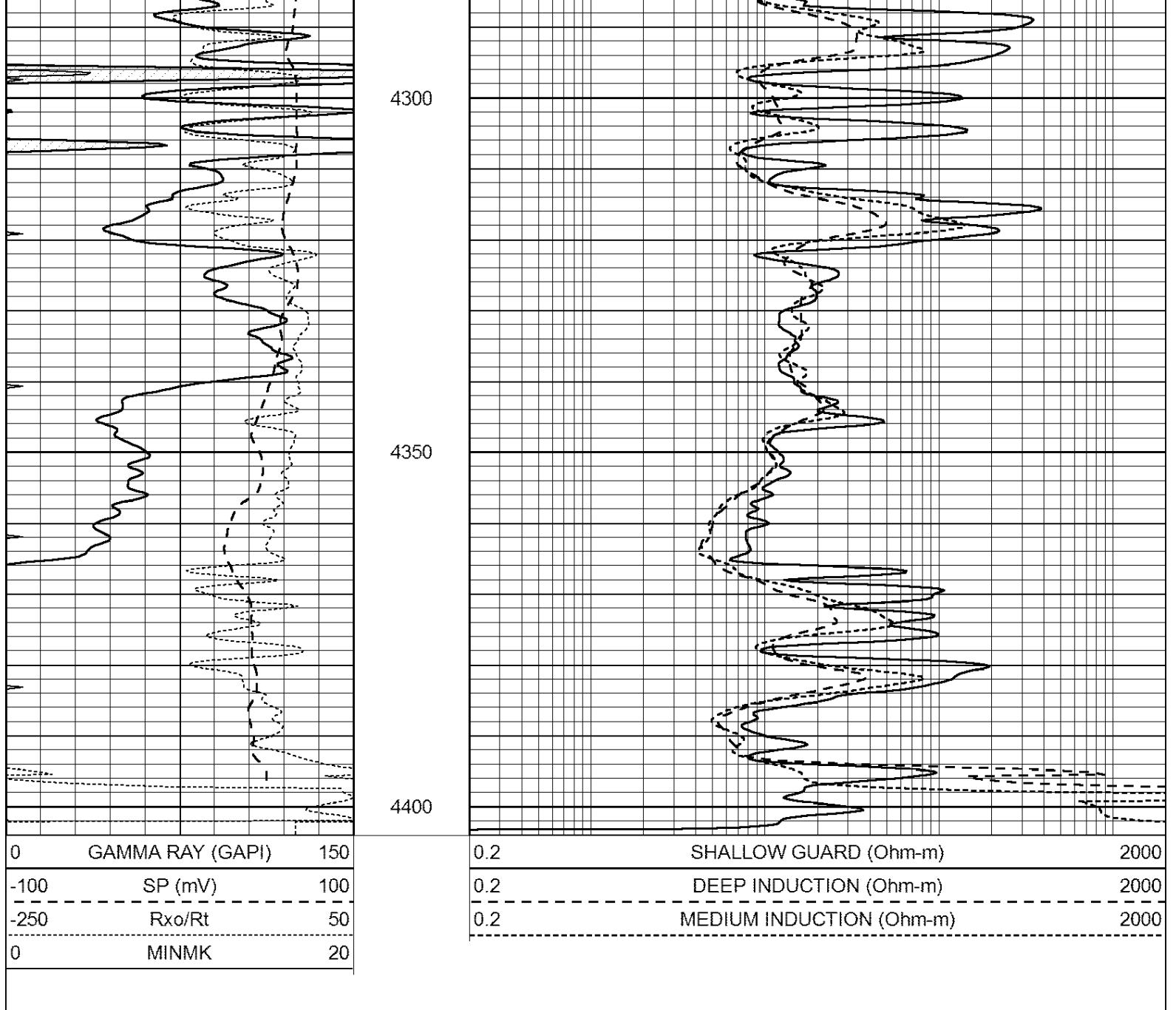
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



4200

4250





Calibration Report									
Database File:		007845ddn.db							
Dataset Pathname:		pass3.14							
Dataset Creation:		Thu Dec 08 08:25:57 2011							
Dual Induction Calibration Report									
Serial-Model: Performed:					DIL4-GEAR Thu Dec 08 05:30:05 2011				
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-7.000	
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	-2.500	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365	
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549	

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

	Readings	Reference	
Low Ref	2.6	6.5	
High Ref	4.8	15.0	
	Gain: 4.0		Offset: -4.0

Compensated Neutron Calibration Report

Serial Number: 070807
 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: Thu Dec 08 06:43:28 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2500 GAPI/cps