



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

DUAL INDUCTION LOG

Company	FOURWINDS OIL CORPORATION	Location:	API # : 15-137-20734-0000	Other Services CDL/CNL MEL
Well	SCOTT #1	Permanent Datum	GROUND LEVEL	Elevation
Field	WILDCAT	Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2301 D.F. 2299 G.L. 2296
County	NORTON	Drilling Measured From	KELLY BUSHING	
State	KANSAS			
Date	6/23/15			
Run Number	ONE			
Depth Driller	3775			
Depth Logger	3774			
Bottom Logged Interval	3772			
Top Log Interval	00			
Casing Driller	8 5/8"@216'			
Casing Logger	220			
Bit Size	7 7/8"			
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 750 PPM	
Density / Viscosity	9.3/65			
pH / Fluid Loss	10.0/8.8			
Source of Sample	FLOWLINE			
Rim @ Meas. Temp	.955@90F			
Rmf @ Meas. Temp	.716@90F			
Rmc @ Meas. Temp	1.15@90F			
Source of Rmf / Rmc	MEASUREMENT			
Rim @ BHT	.754@114F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	1:00 A.M.			
Maximum Recorded Temperature	114F			
Equipment Number	4854			
Location	HAYS, KANSAS			
Recorded By	JEFF LUEBBERS			
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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

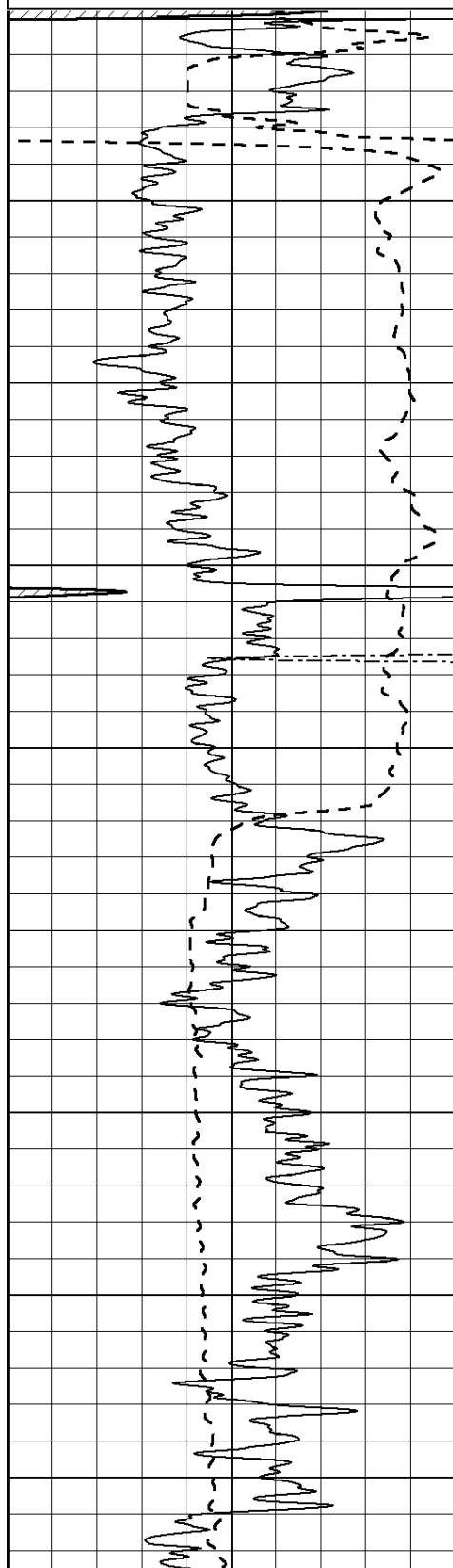
HILL CITY, KS., N. TO HWY 9, GO 4 MORE NORTH TO "RD. W", 2E. TO CURVE, N. INTO THEN BACK E.

Database File: 26523ddn.db
 Dataset Pathname: pass3.11
 Presentation Format: dil2
 Dataset Creation: Tue Jun 23 02:06:24 2015 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:600

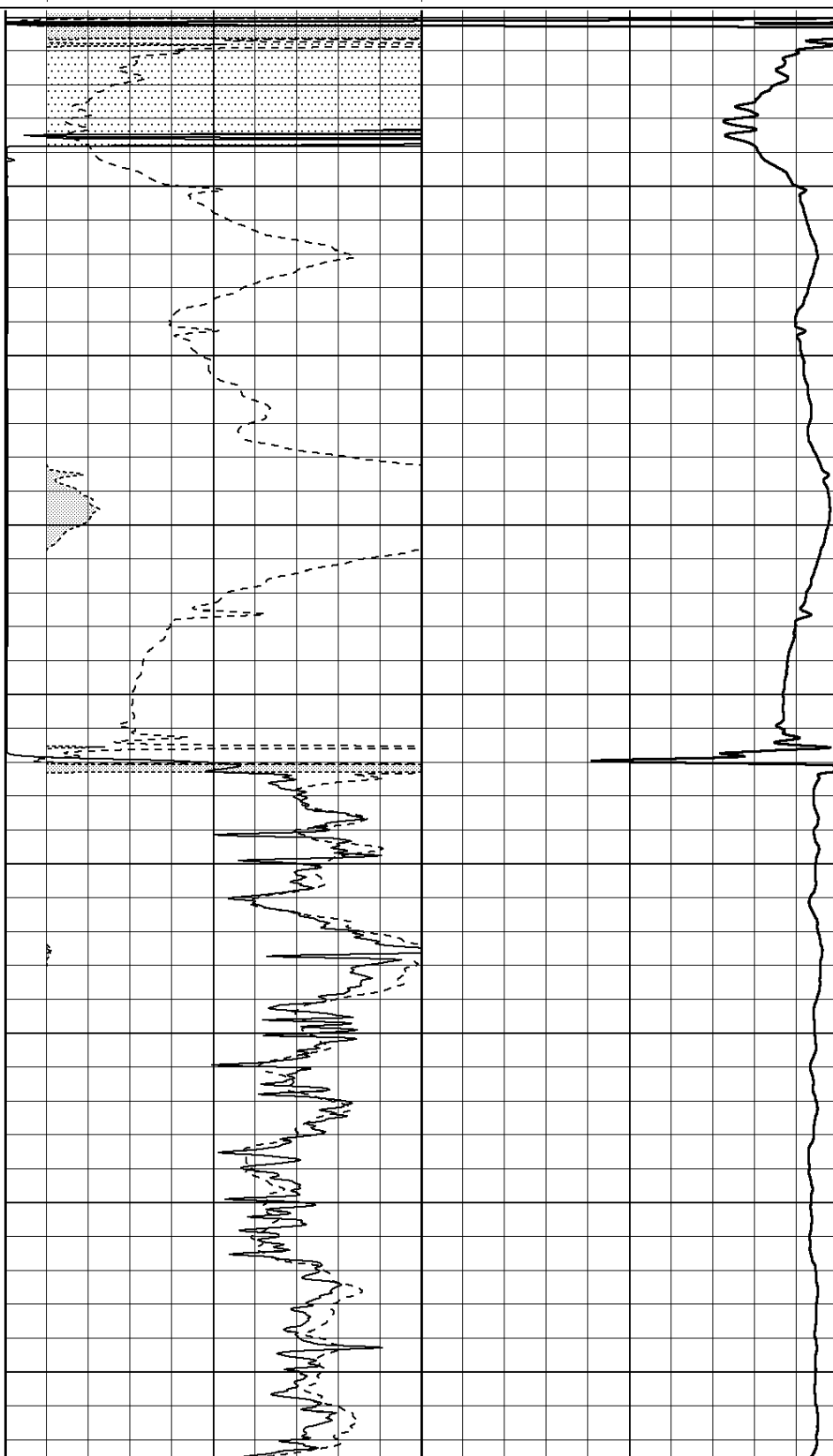
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RWA (Ohm-m)	1

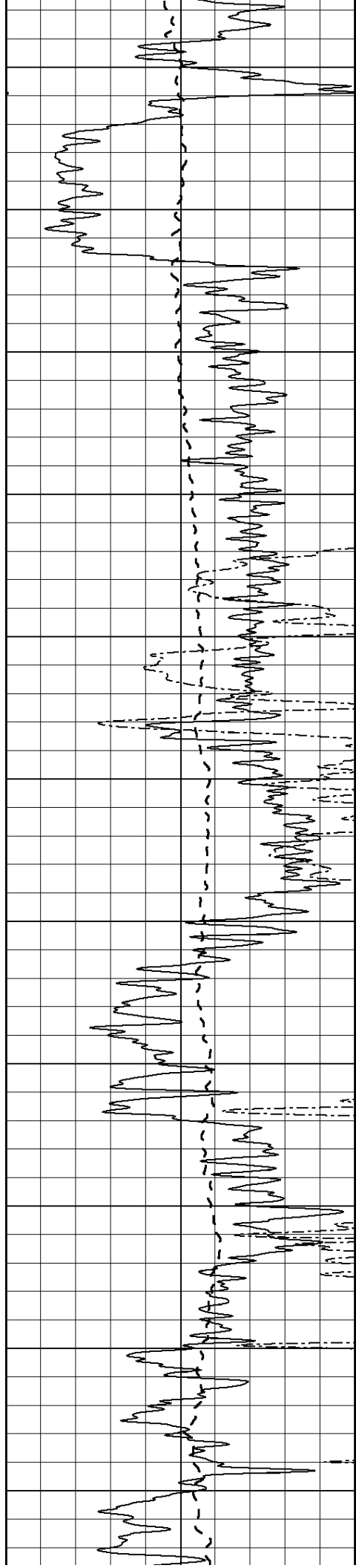
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50
1000	CILD (mmho/m)	0

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

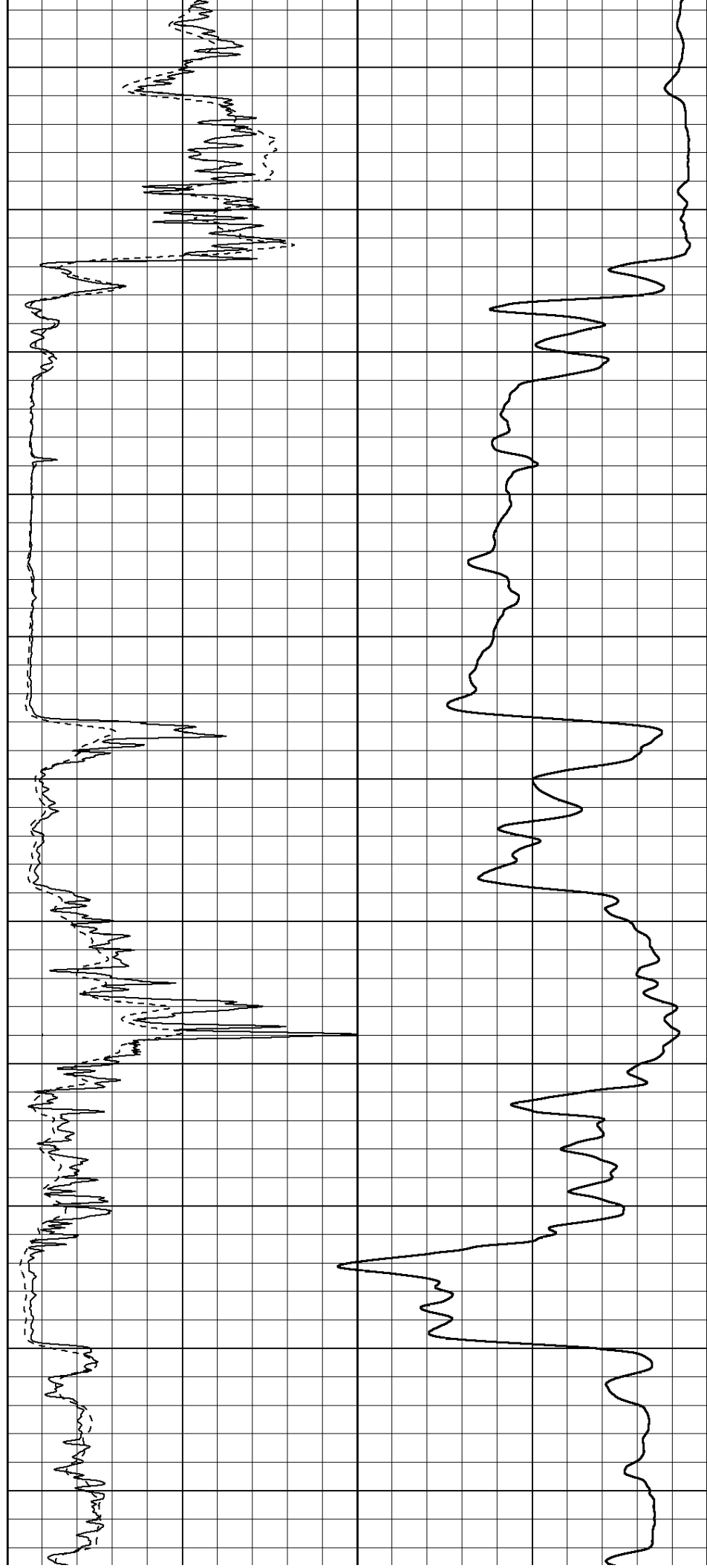
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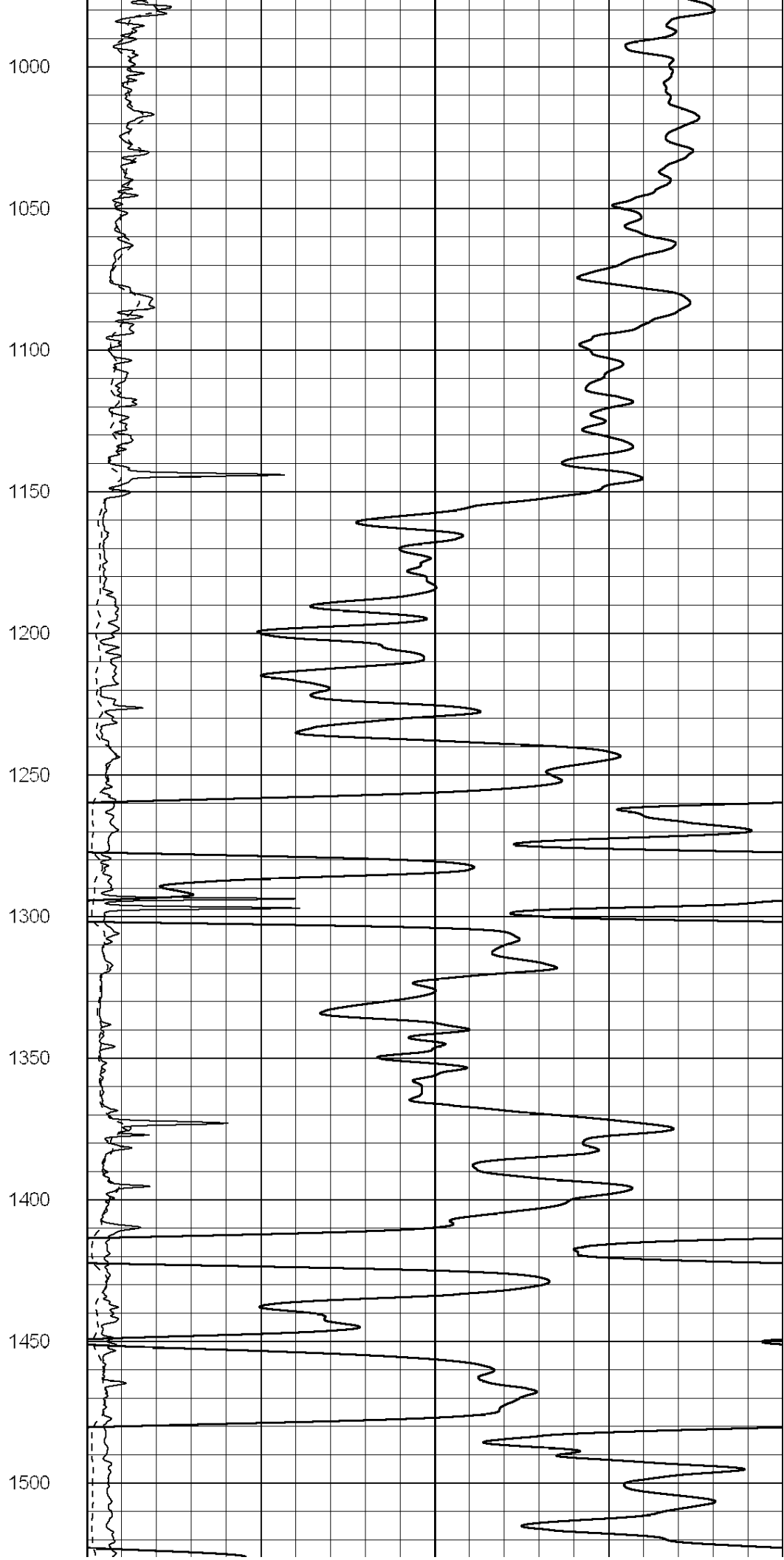
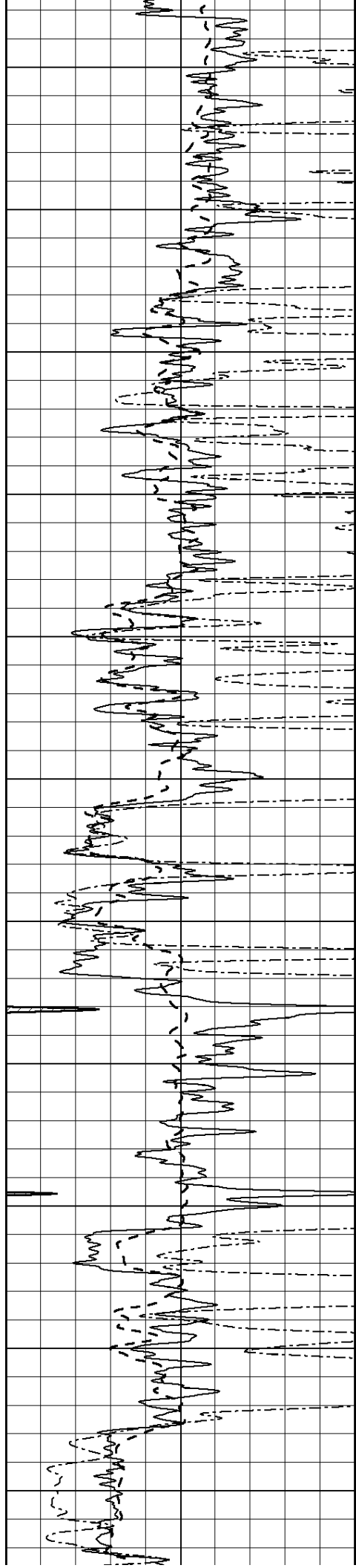
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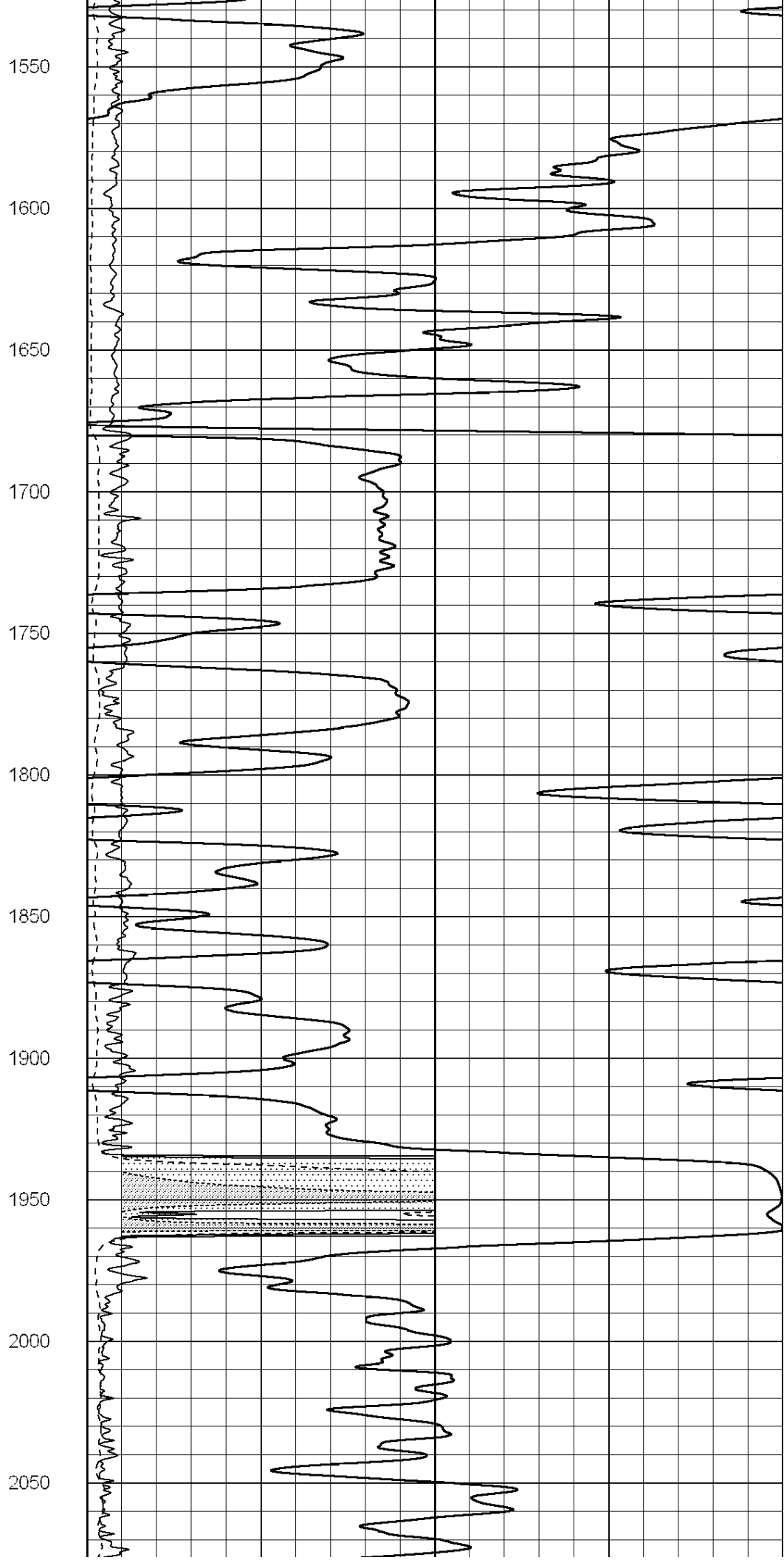
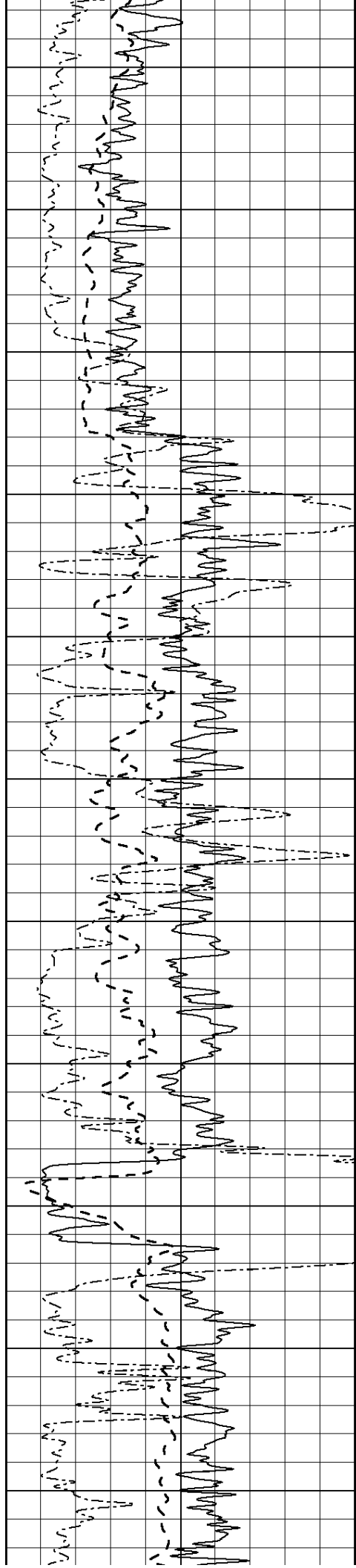
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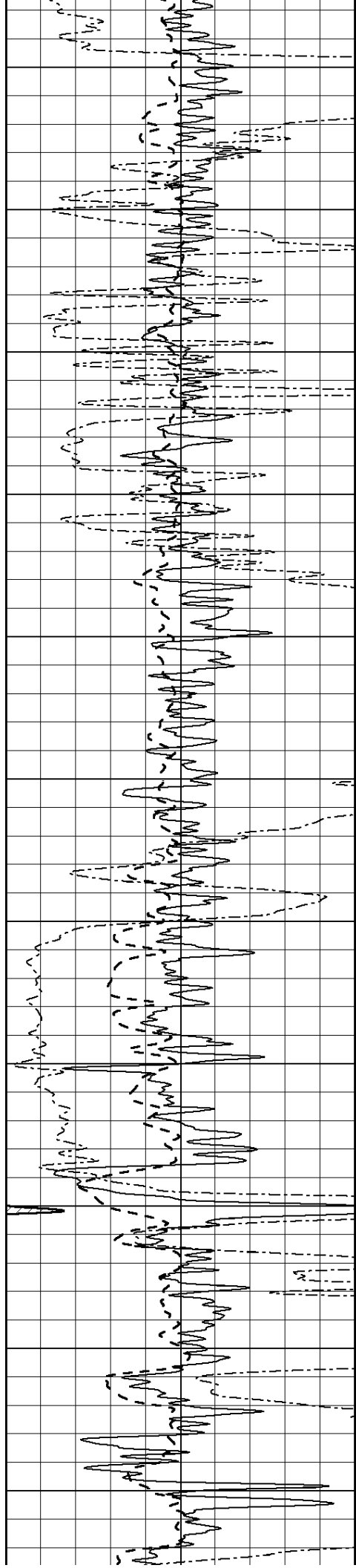
900

950









2100

2150

2200

2250

2300

2350

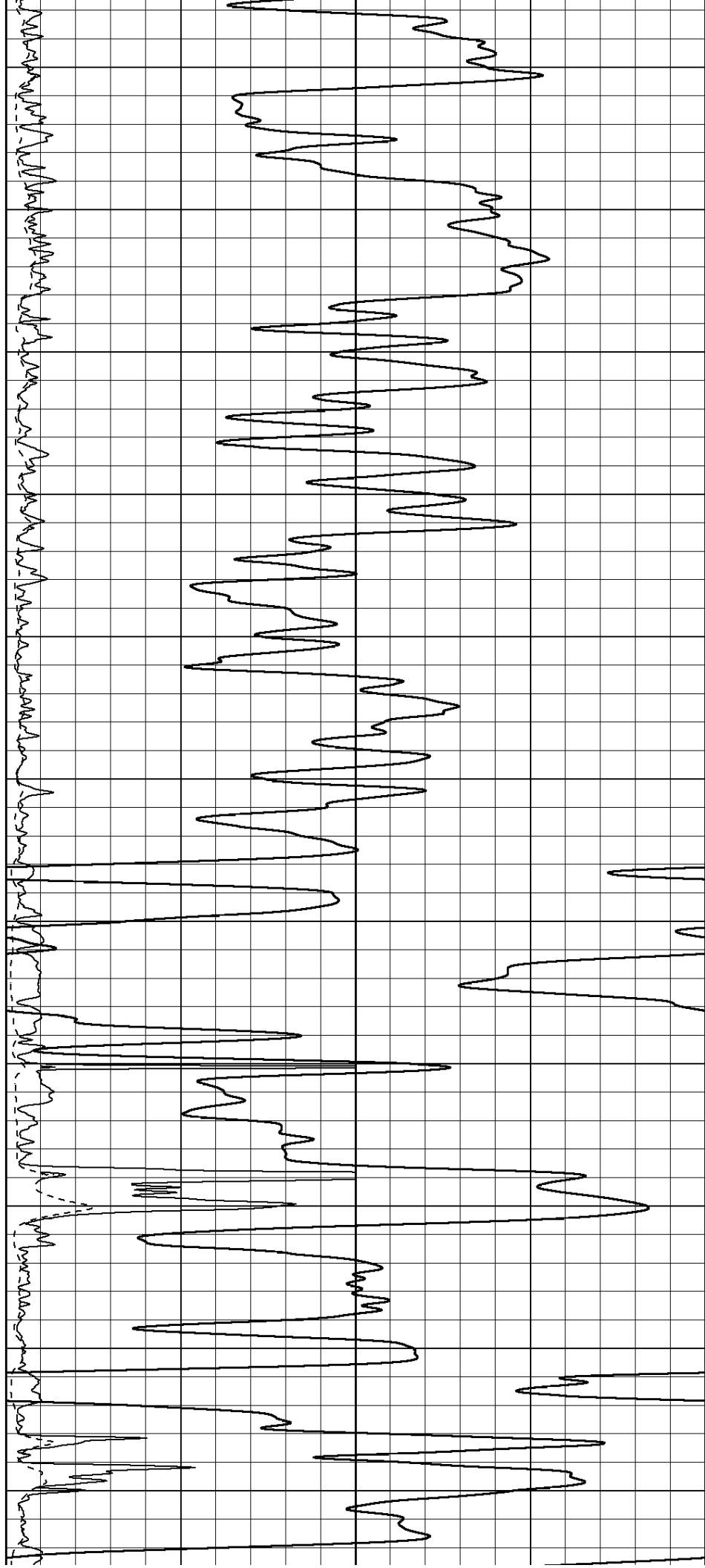
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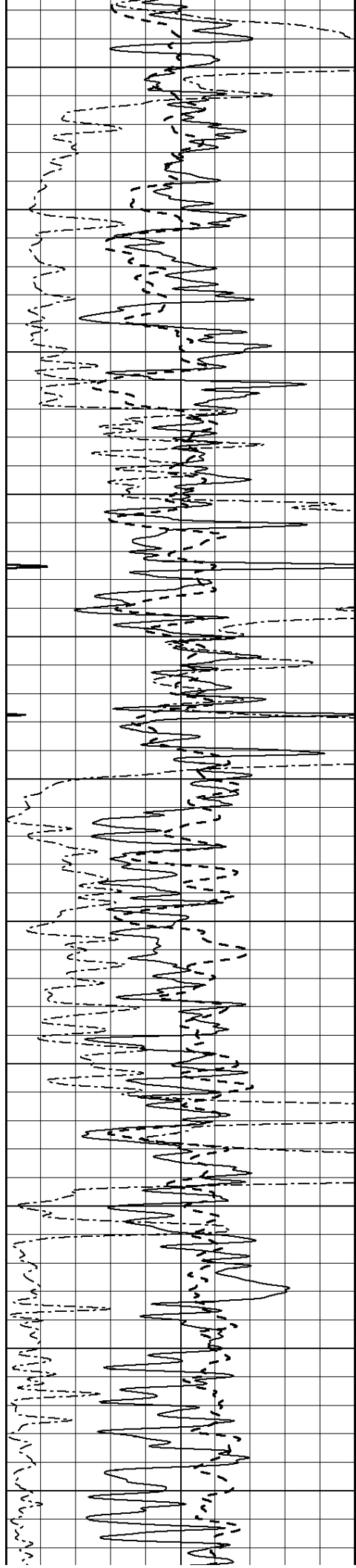
2450

2500

2550

2600





2650

2700

2750

2800

2850

2900

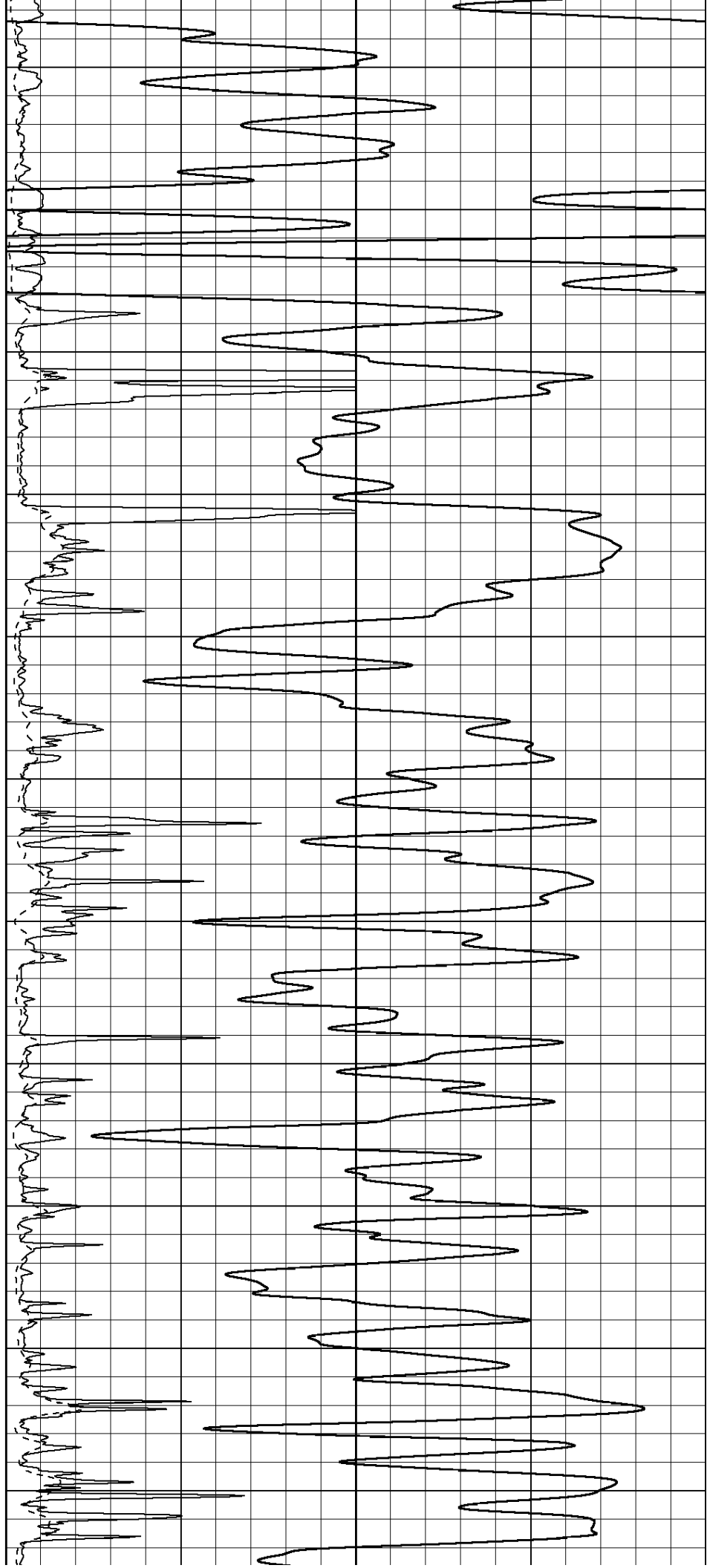
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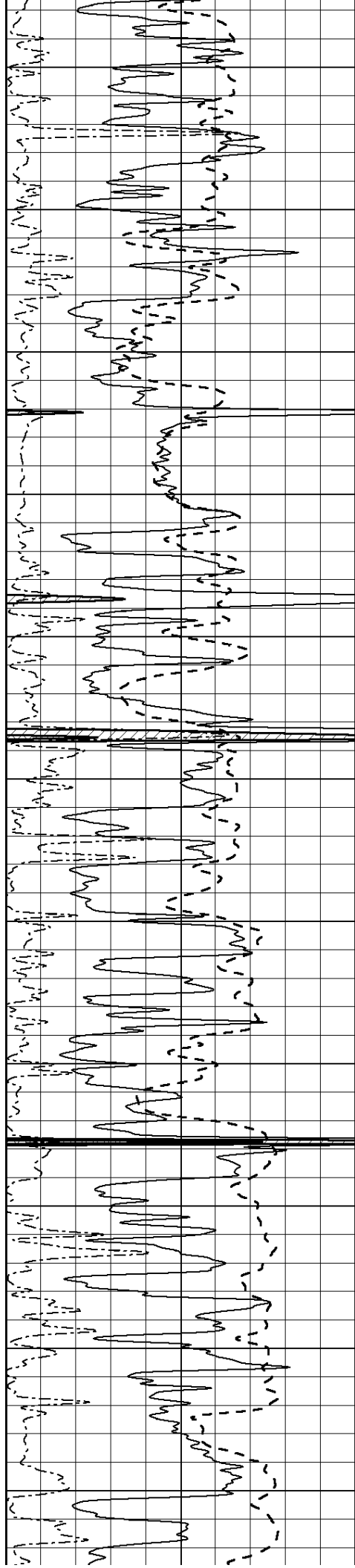
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3050

3100

3150





3200

3250

3300

3350

3400

3450

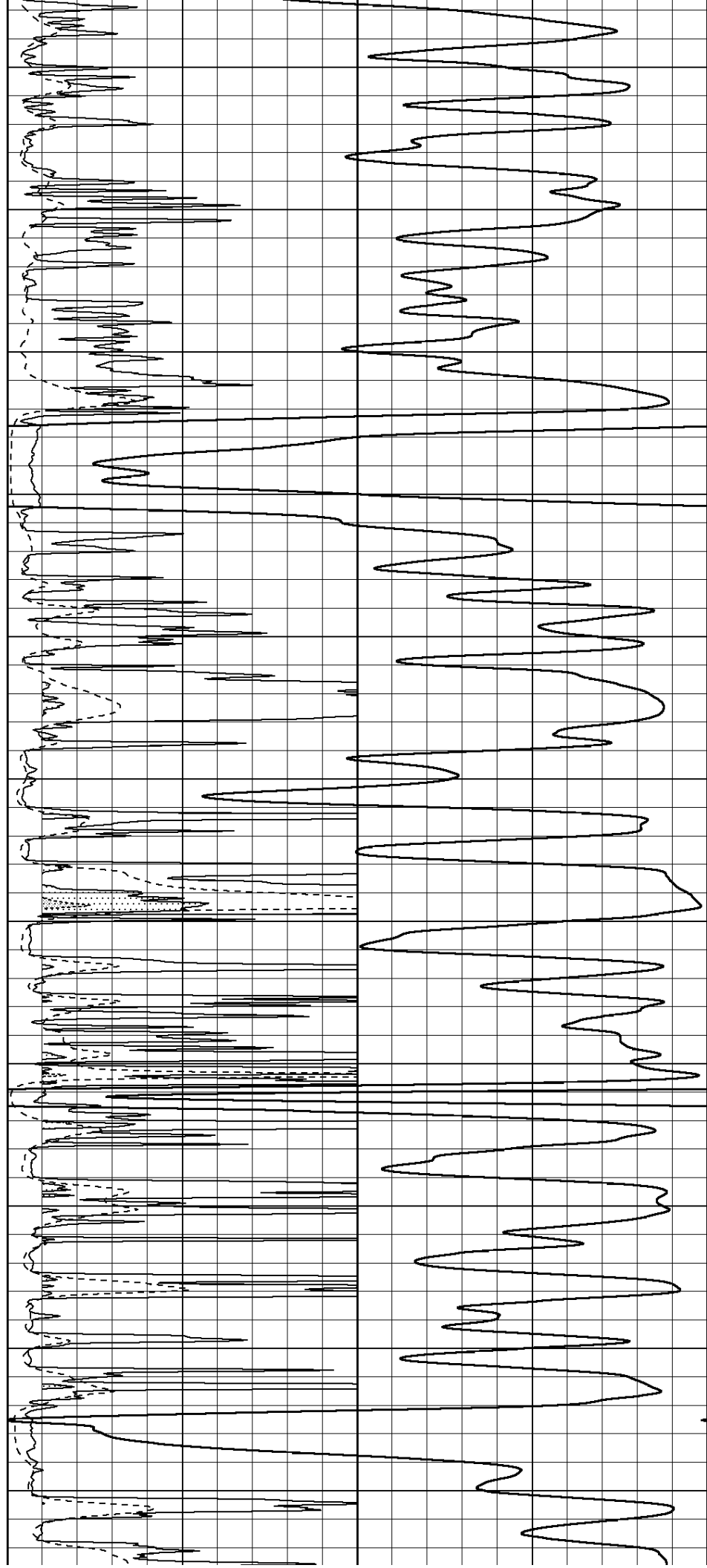
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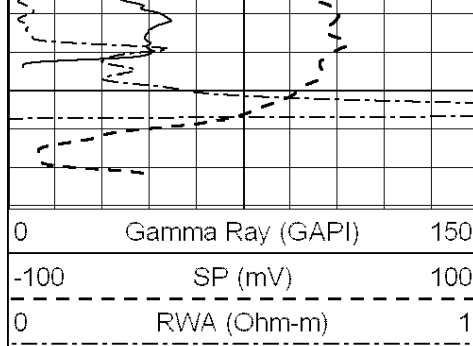
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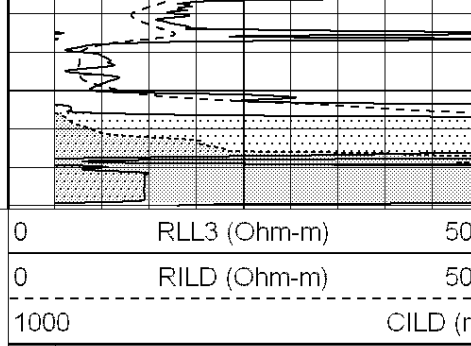
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3700





3750



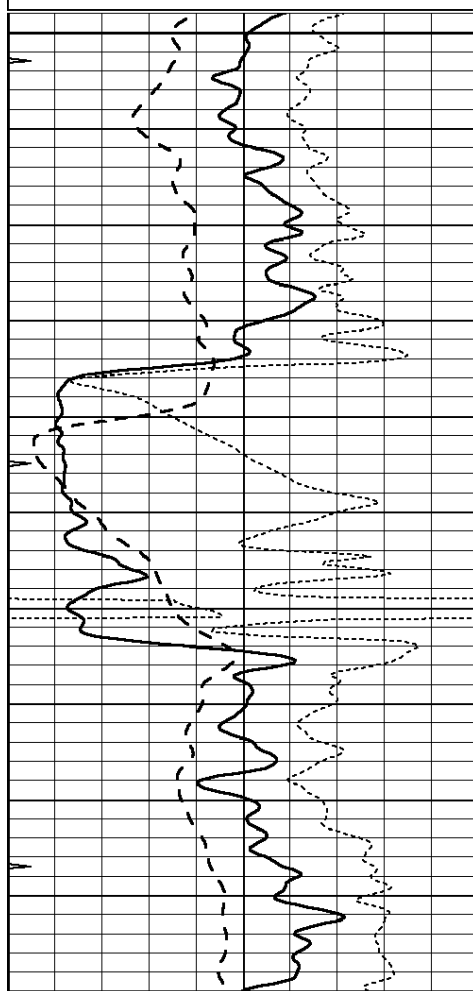
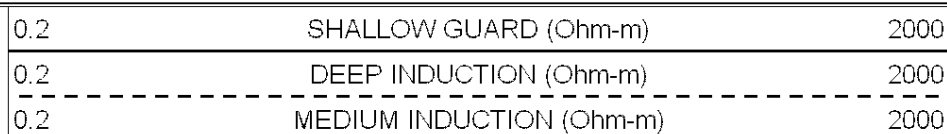
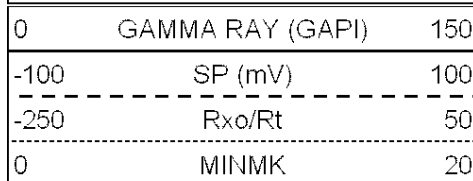
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500



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ANHYDRITE

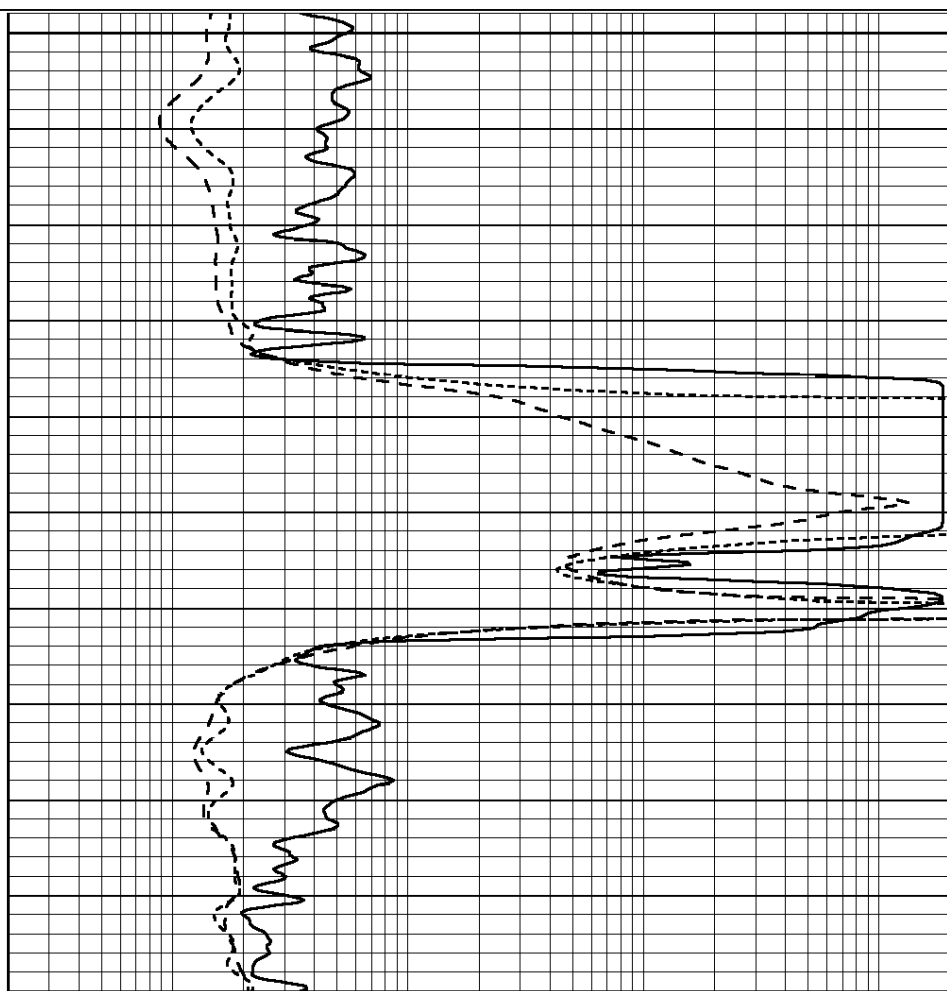
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 Presentation Format: _dil
 Dataset Creation: Tue Jun 23 02:08:02 2015 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240



1900

1950

2000



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



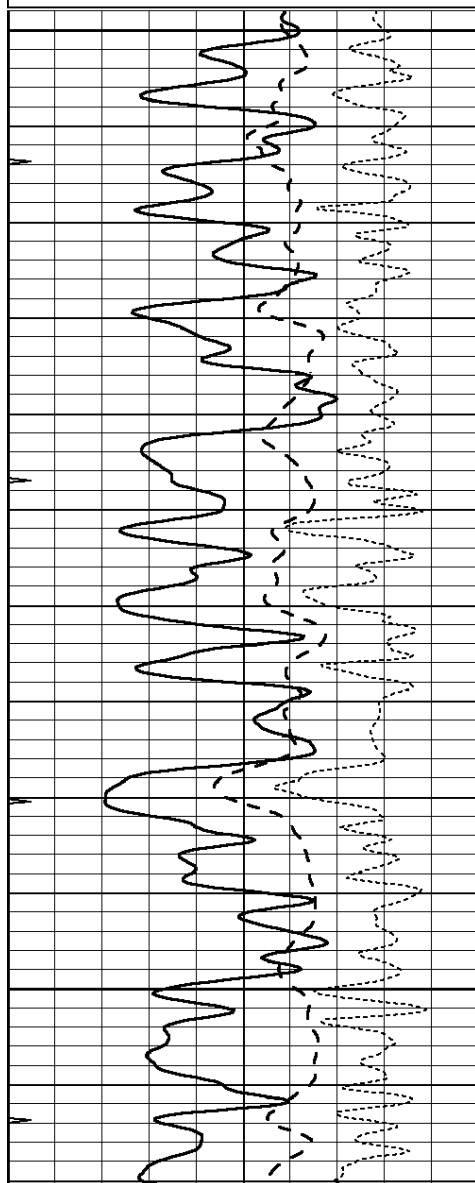
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MAIN SECTION

Database File: 26523ddn.db
Dataset Pathname: pass3.11
Presentation Format: _dil
Dataset Creation: Tue Jun 23 02:06:24 2015 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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

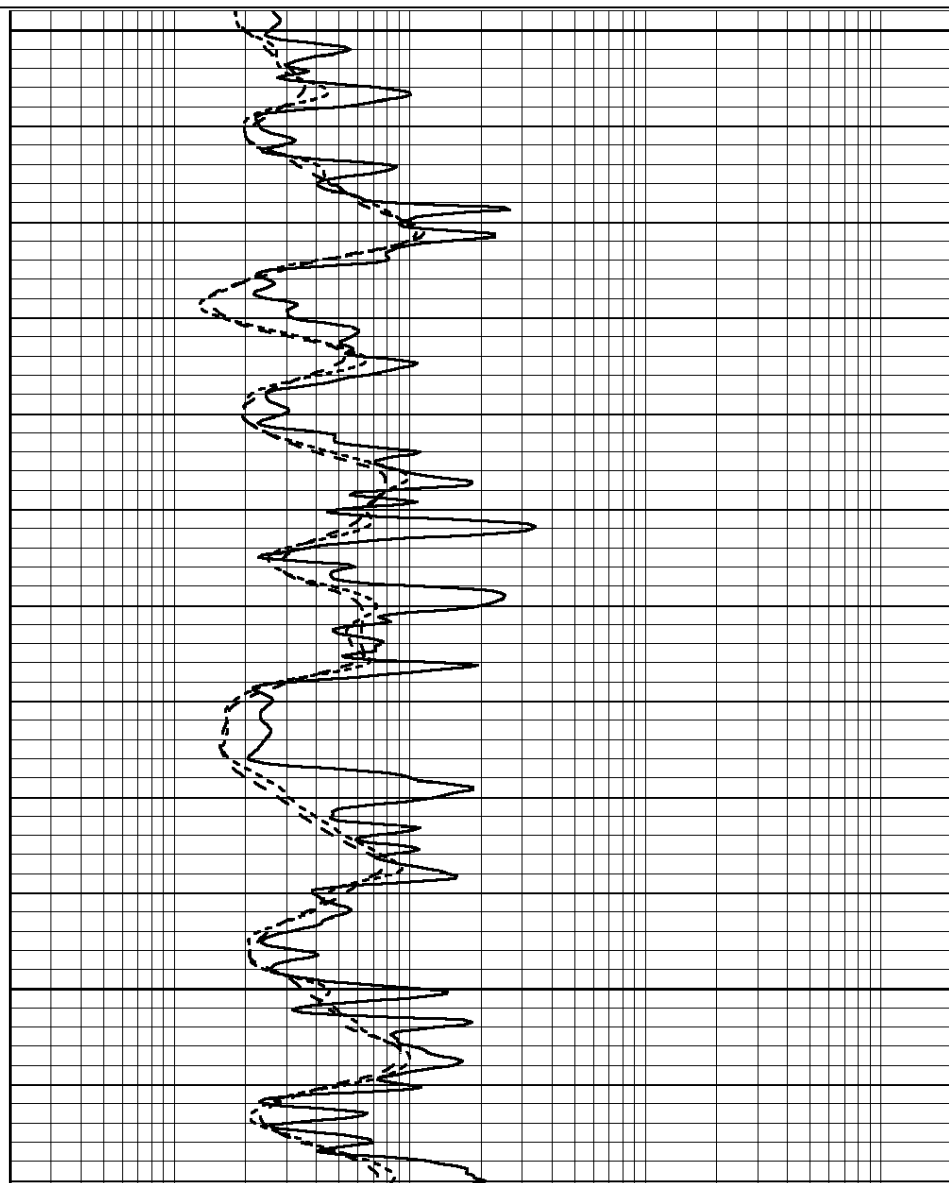
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

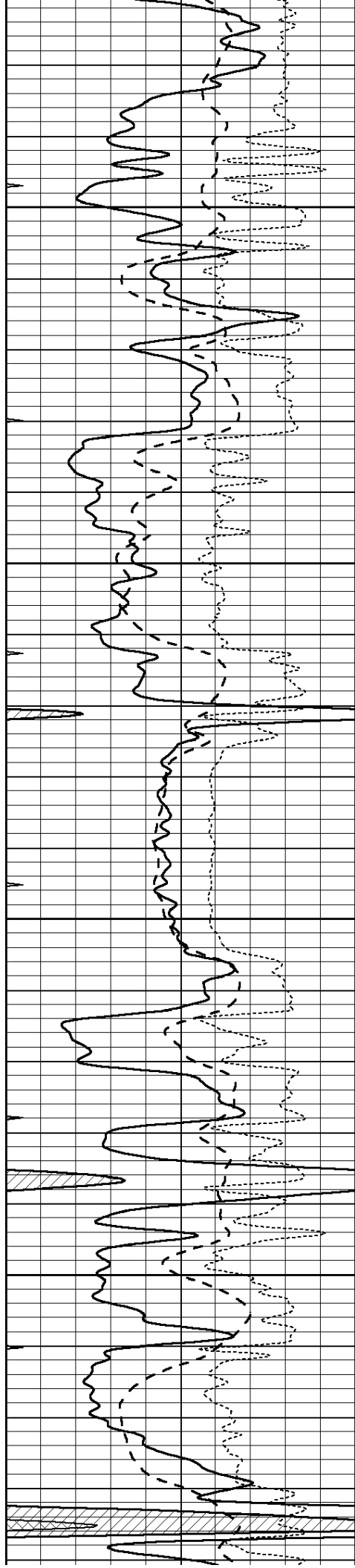


3100

3150

3200



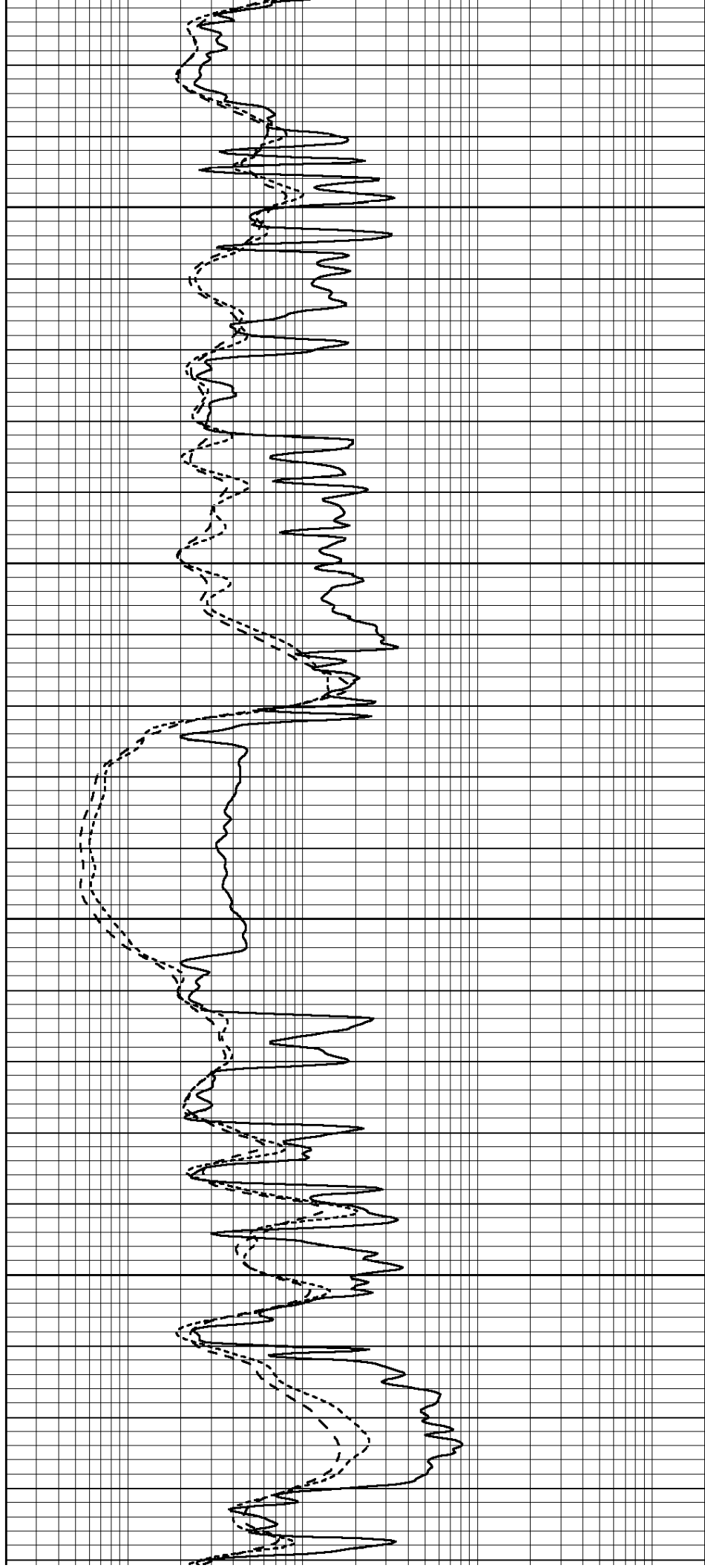


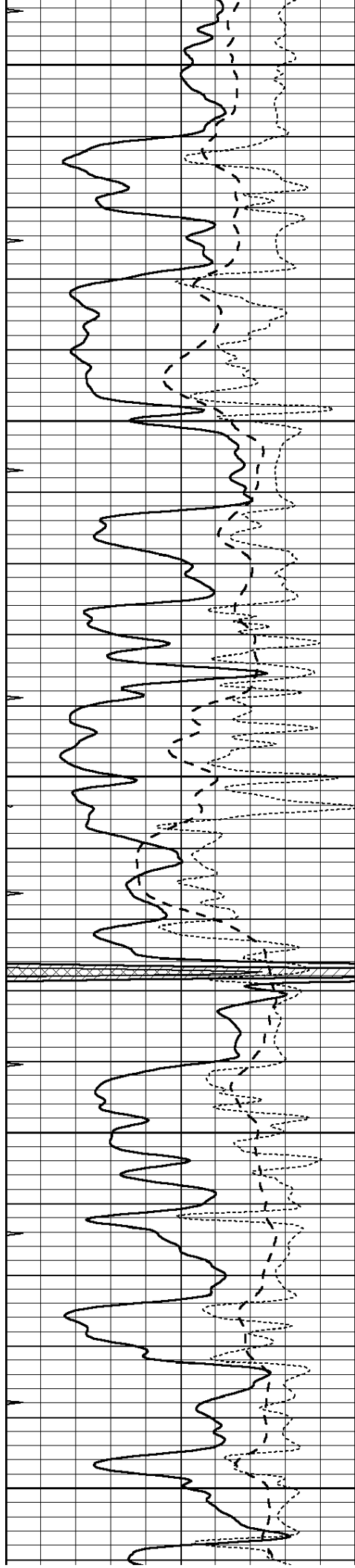
3250

3300

3350

3400





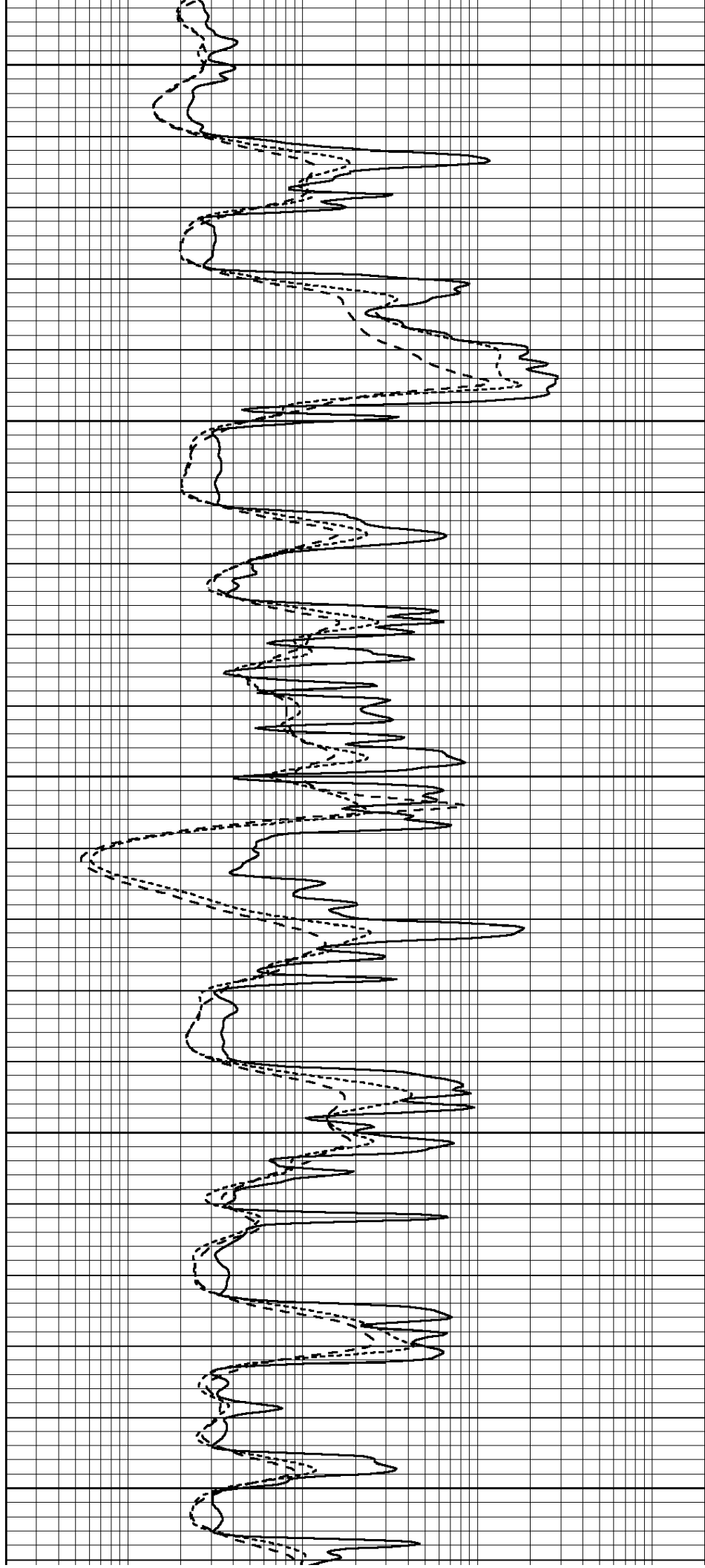
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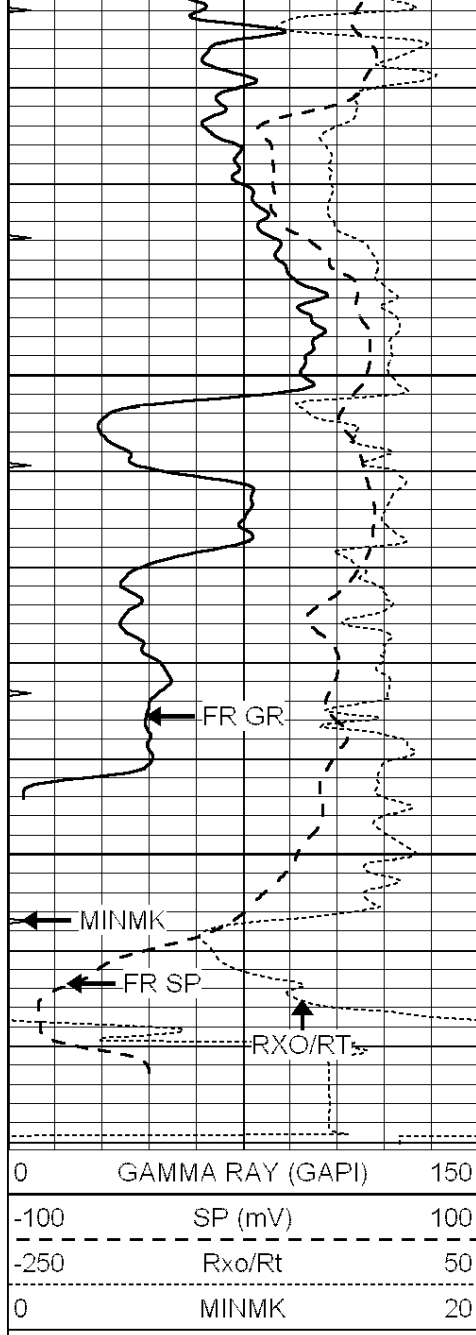
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3550

3600

3650

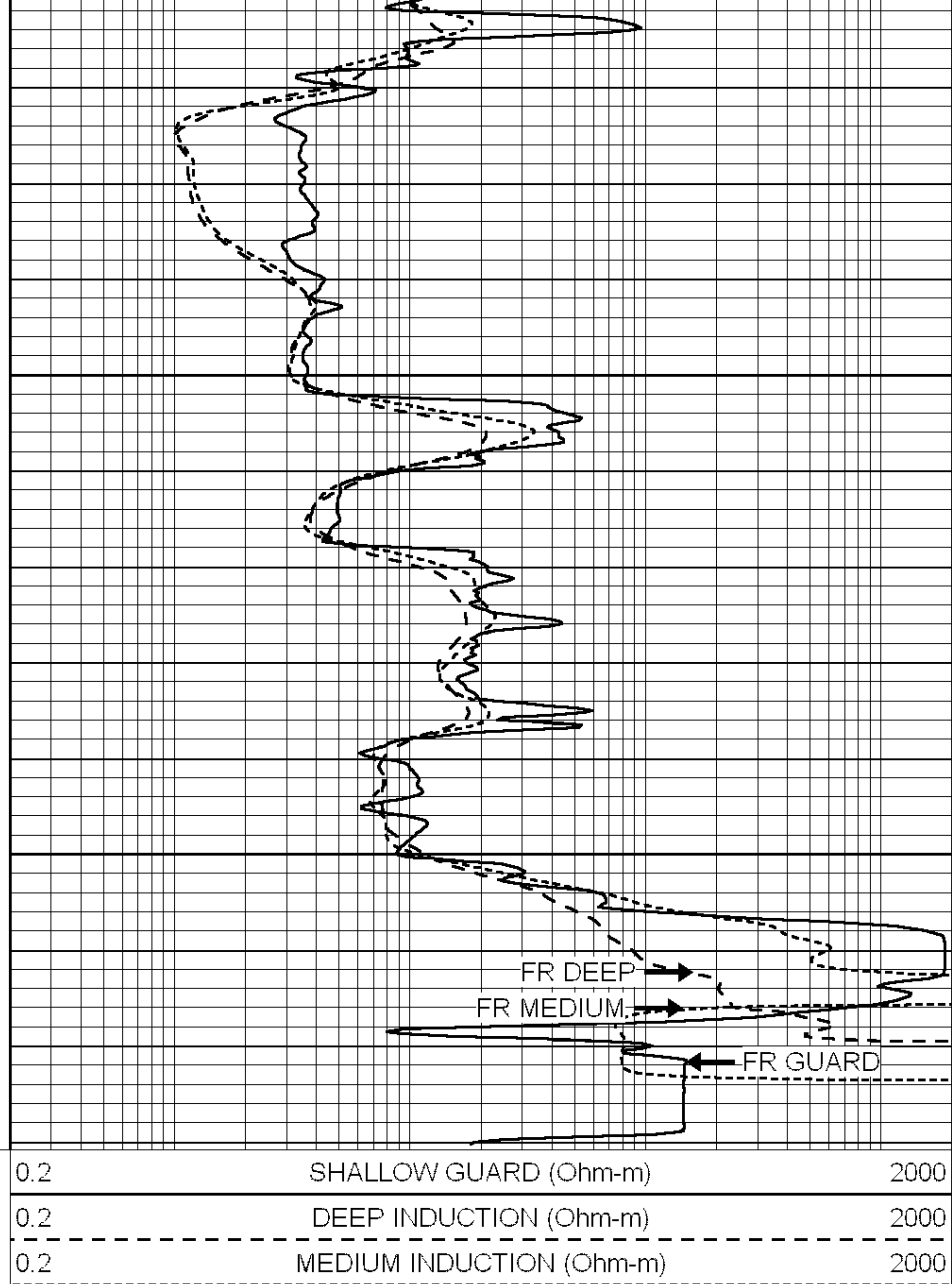




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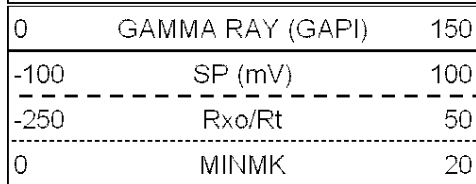
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LTD 3774

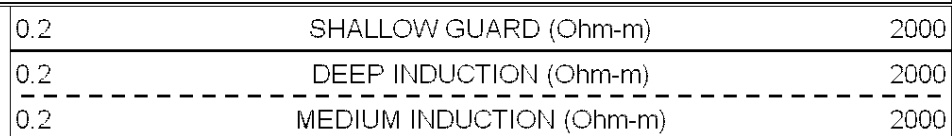


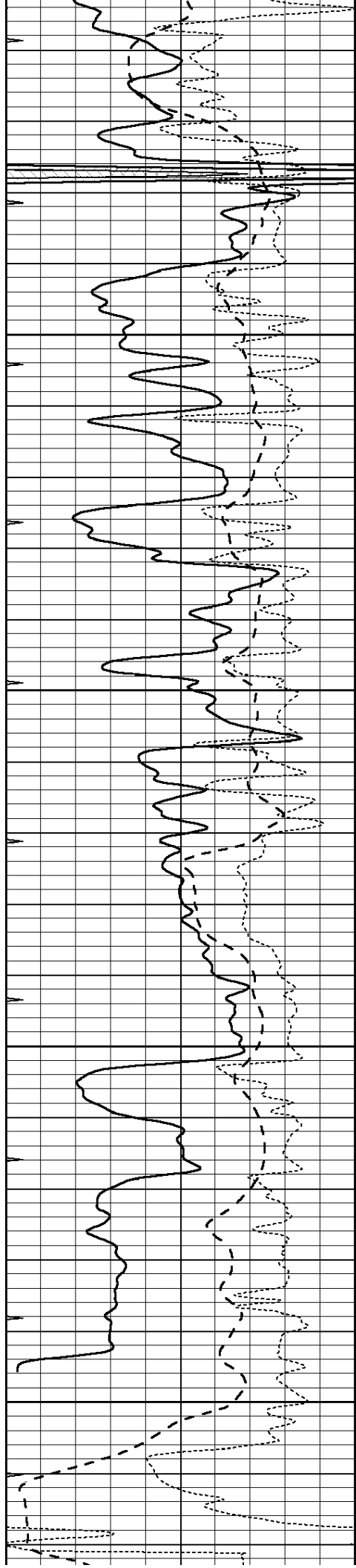
REPEAT SECTION

Database File: 26523ddn.db
 Dataset Pathname: pass2.5
 Presentation Format: _dil
 Dataset Creation: Tue Jun 23 01:08:35 2015 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240



3550



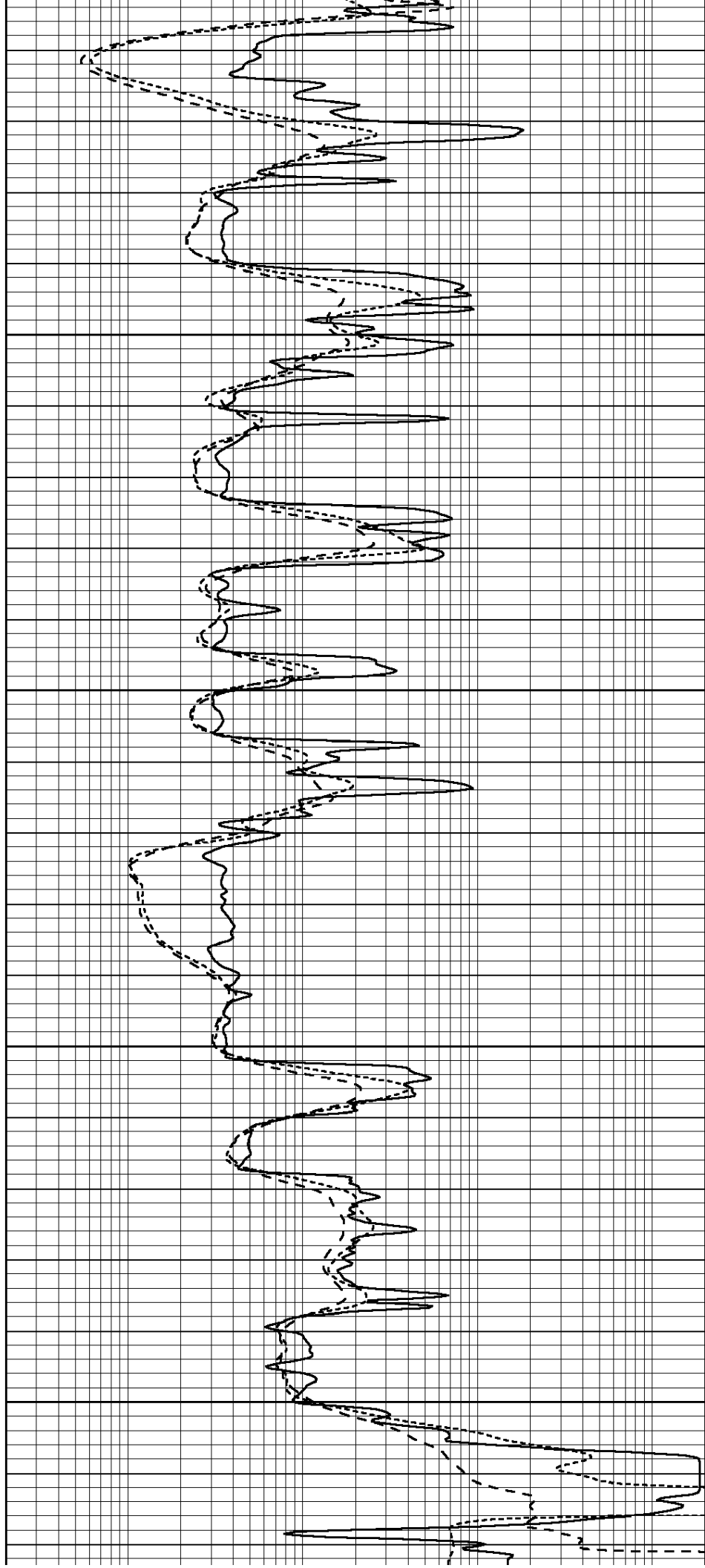


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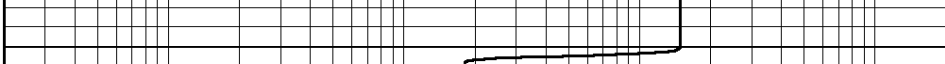
3650

3700

3750



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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Performed:		PROBE9-DILG Mon May 04 16:08:03 2015 Mon Jul 28 12:02:56 2008 Mon Jul 28 12:02:56 2008																																													
<table><tr><td colspan="3">References</td><td colspan="3">Results</td></tr><tr><td>Air</td><td>Loop</td><td></td><td>m</td><td>b</td><td></td></tr><tr><td>/</td><td>0.000</td><td>400.000</td><td>mmho/m</td><td>670.000</td><td>-16.000</td></tr><tr><td>/</td><td>0.000</td><td>464.000</td><td>mmho/m</td><td>670.000</td><td>-30.000</td></tr><tr><td colspan="2">Zero</td><td>Cal</td><td>m</td><td>b</td><td></td></tr><tr><td>/</td><td>0.000</td><td>400.000</td><td>mmho/m</td><td>667.135</td><td>-7.256</td></tr><tr><td>/</td><td>0.000</td><td>464.000</td><td>mmho/m</td><td>655.677</td><td>-3.102</td></tr></table>						References			Results			Air	Loop		m	b		/	0.000	400.000	mmho/m	670.000	-16.000	/	0.000	464.000	mmho/m	670.000	-30.000	Zero		Cal	m	b		/	0.000	400.000	mmho/m	667.135	-7.256	/	0.000	464.000	mmho/m	655.677	-3.102
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no-m		1.000	mmho-m																																												
Litho Density Calibration Report																																															
Serial: 004N Model: PRB																																															
Performed Fri May 30 11:01:00 2014																																															
<table><tr><td>Neesium</td><td>Aluminum</td><td>Sandstone</td><td></td></tr><tr><td>0804.6</td><td>3492.0</td><td>12453.4</td><td>cps</td></tr><tr><td>9313.5</td><td>3076.7</td><td>10594.7</td><td>cps</td></tr><tr><td>5668.7</td><td>2076.0</td><td>6314.8</td><td>cps</td></tr></table>						Neesium	Aluminum	Sandstone		0804.6	3492.0	12453.4	cps	9313.5	3076.7	10594.7	cps	5668.7	2076.0	6314.8	cps																										
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Window 3	1077.0	3000.7	2070.0	6314.8	cps
Window 4	306.4	313.0	306.4	315.6	cps
Long Space	0.0	8051.0	1814.3	9332.3	cps
Short Space	1.9	1706.1	1146.0	1707.6	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe		0.0000	2.5700	1.5500	
Rib Angle	: 45.0	Rib Slope	: 1.002	Density/Spine Ratio	: 0.571
Spine Angle	: 75.0	Spine Slope	: 3.745	Spine Intercept	: -18.9

Before Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report				
Serial Number:		070808		
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:	Sat Mar 21 17:40:37 2015			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		

Calibrator Reading:

1.0

cps

Sensitivity:

0.2600

GAPI/cps