



**SUPERIOR
Hays,
Kansas**

DUAL INDUCTION LOG

Company	NEW AGE OIL, LLC.		
Well	CARROL CONYAC #5		
Field	CARROL J		
County	ROOKS	State	KANSAS
Location:	API # : 15-163-23909-0000		Other Services CDL/CNL MEL/SON
SEC 12 TWP 8S RGE 18W			
Permanent Datum	GROUND LEVEL	Elevation	1916
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation			
K.B. 1921			
D.F. 1919			
G.L. 1916			
Date	11-20-10		
Run Number	ONE		
Depth Driller	3450		
Depth Logger	3451		
Bottom Logged Interval	3449		
Top Log Interval	0		
Casing Driller	219'		
Casing Logger	218'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2 / 52	CHLORIDES 3,000 PPM	
pH / Fluid Loss	9.0 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.10 @ 68F		
Rmf @ Meas. Temp	0.83 @ 68F		
Rmc @ Meas. Temp	1.32 @ 68F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.67 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	MARC DOWNING	TRAVIS ROZEAN	

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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

SUPERIOR WELL SERVICES
785-628-6395

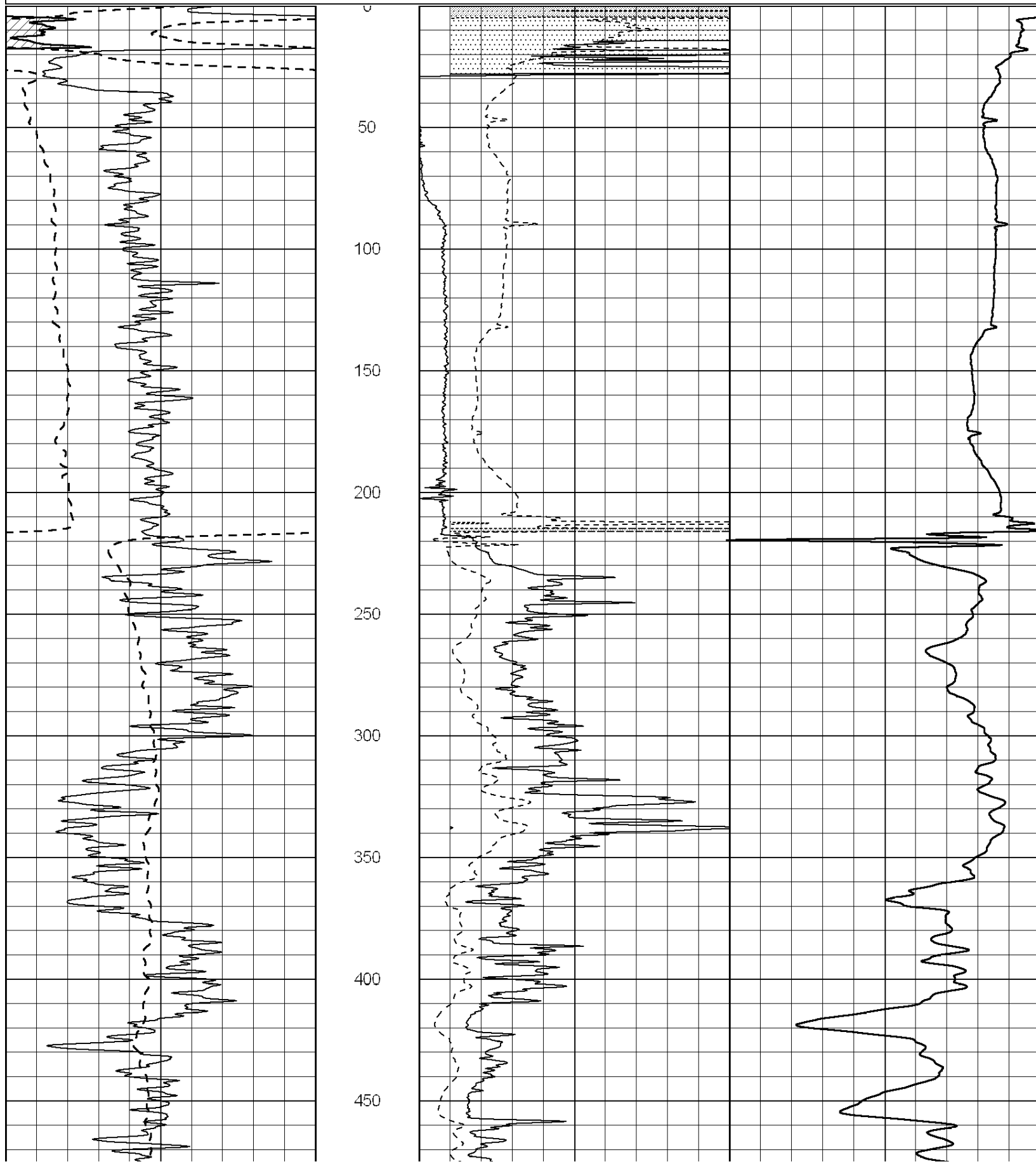
THANK YOU FOR YOUR BUSINESS

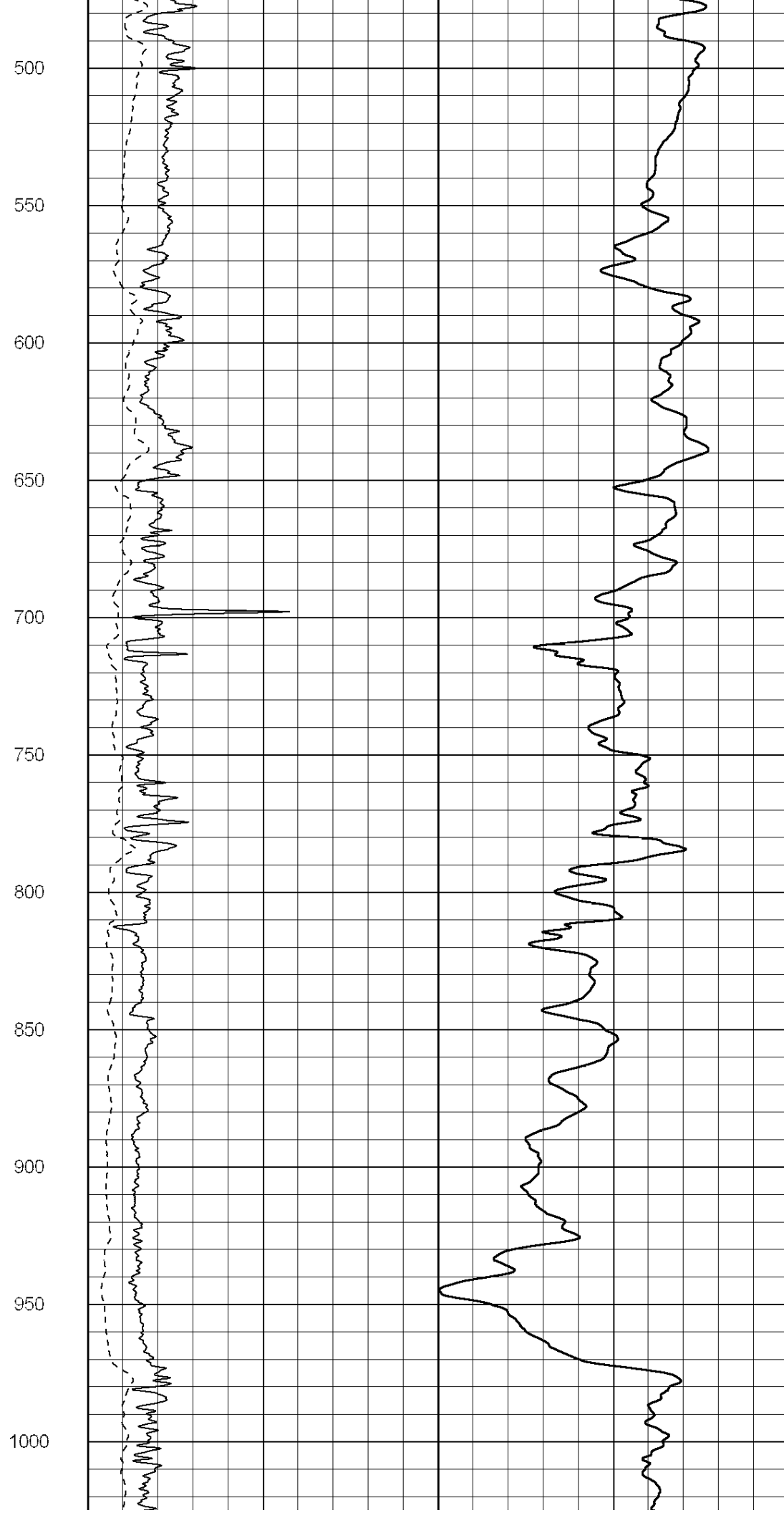
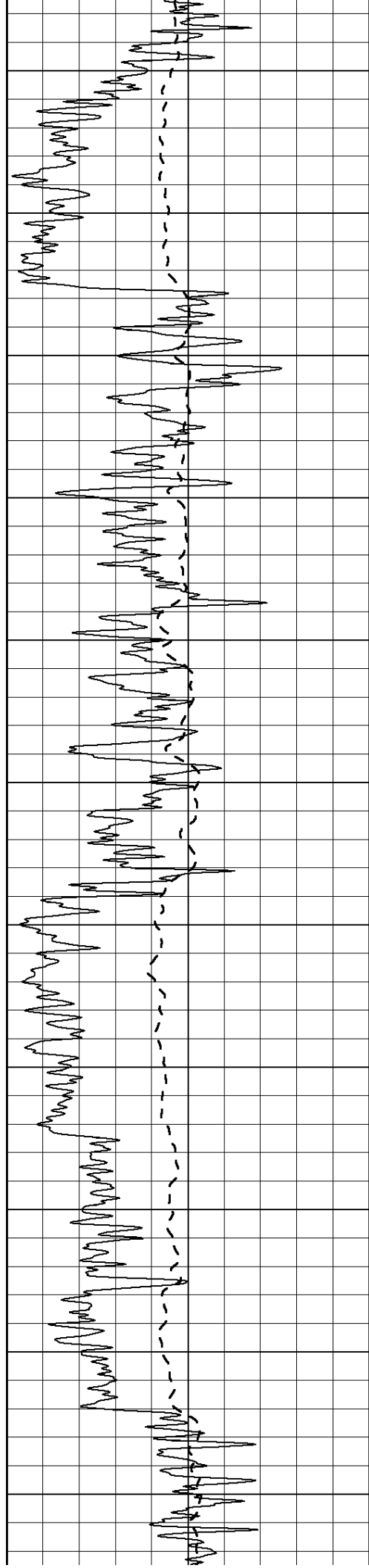
**DIRECTIONS: PLAINVILLE, KS - NORTH TO WATKINS TRAILER PLANT - 1ST INTERSECTION NORTH
1 MILE EAST - 1 MILE NORTH - 1 MILE EAST - 1/4 MILE SOUTH - WEST INTO**

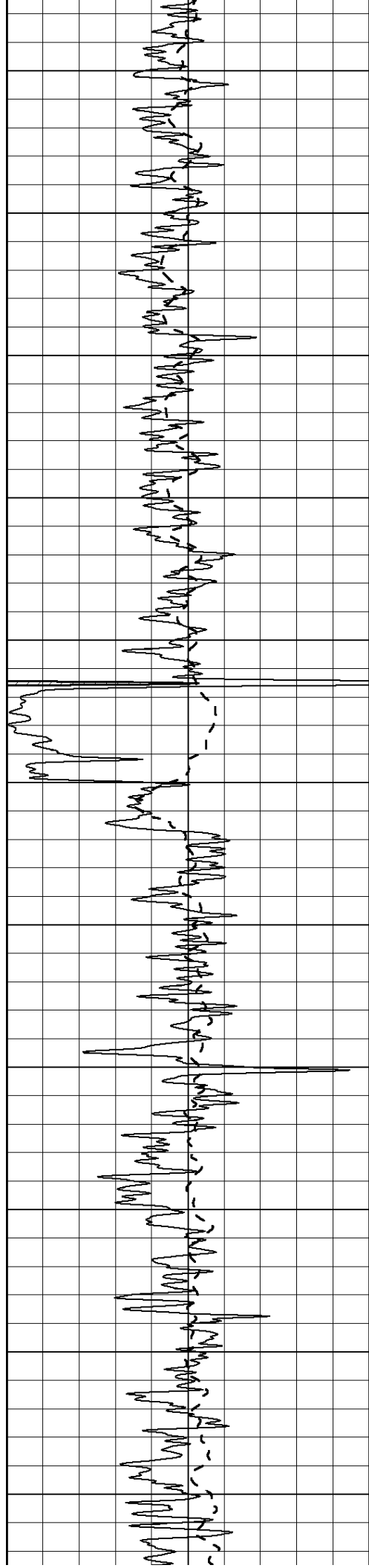
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-100	SP (mV)	100

0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

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







1050

1100

1150

1200

1250

1300

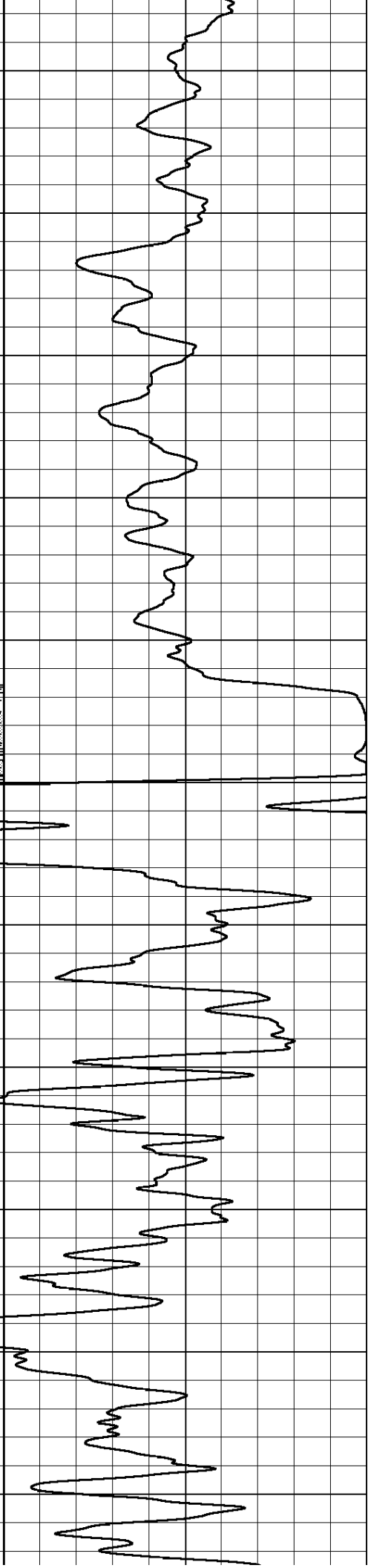
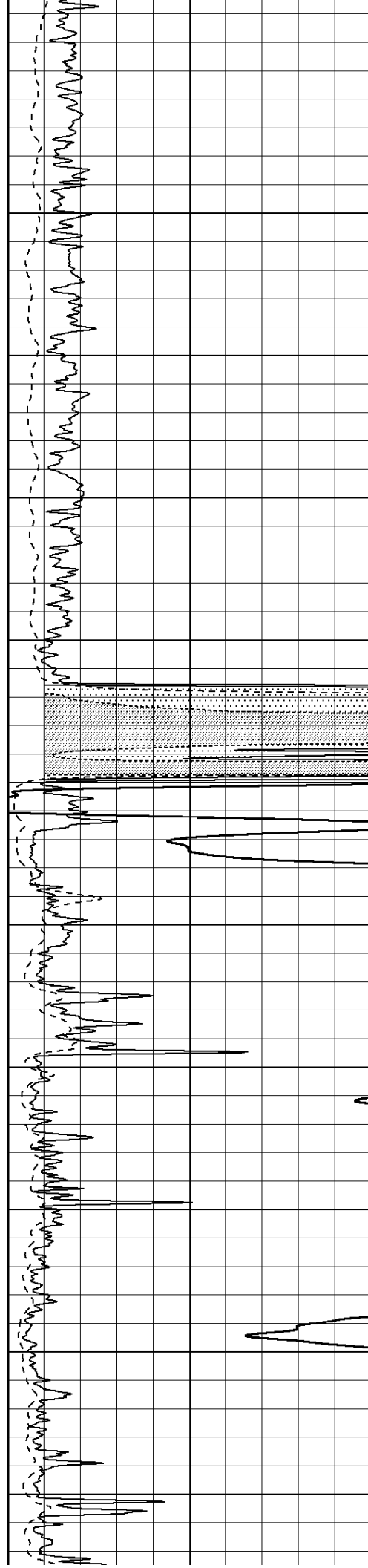
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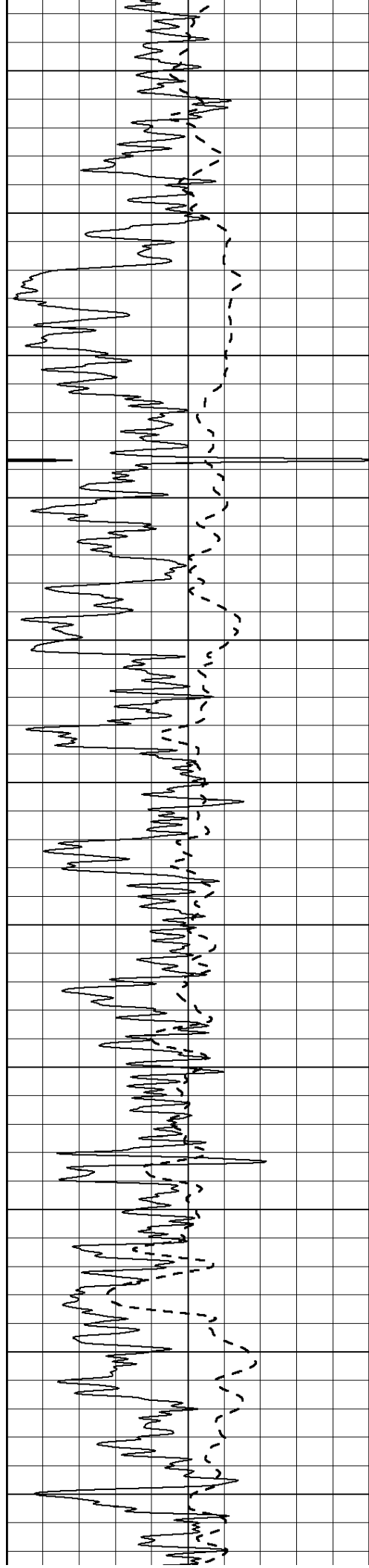
1400

1450

1500

1550





1600

1650

1700

1750

1800

1850

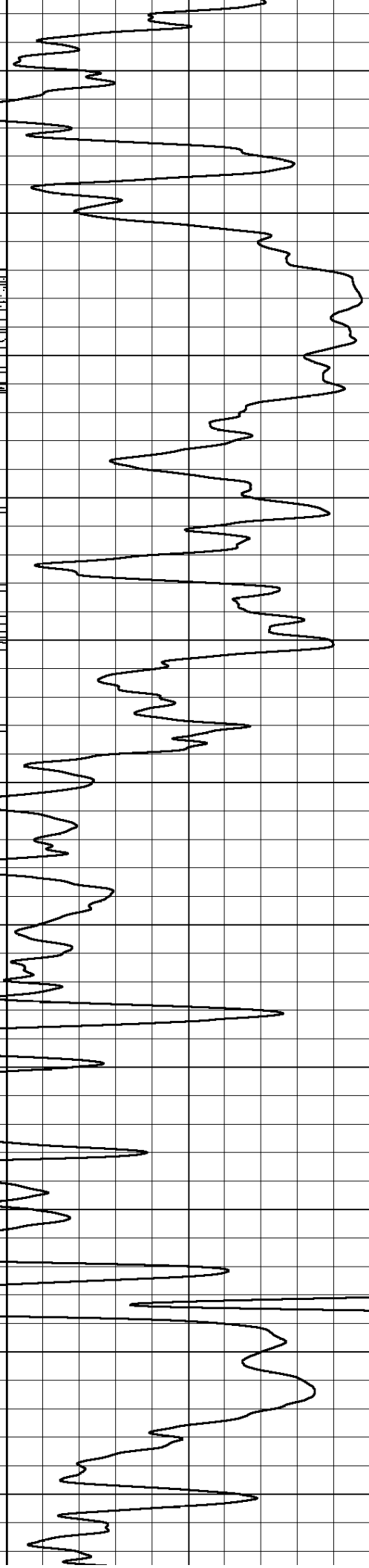
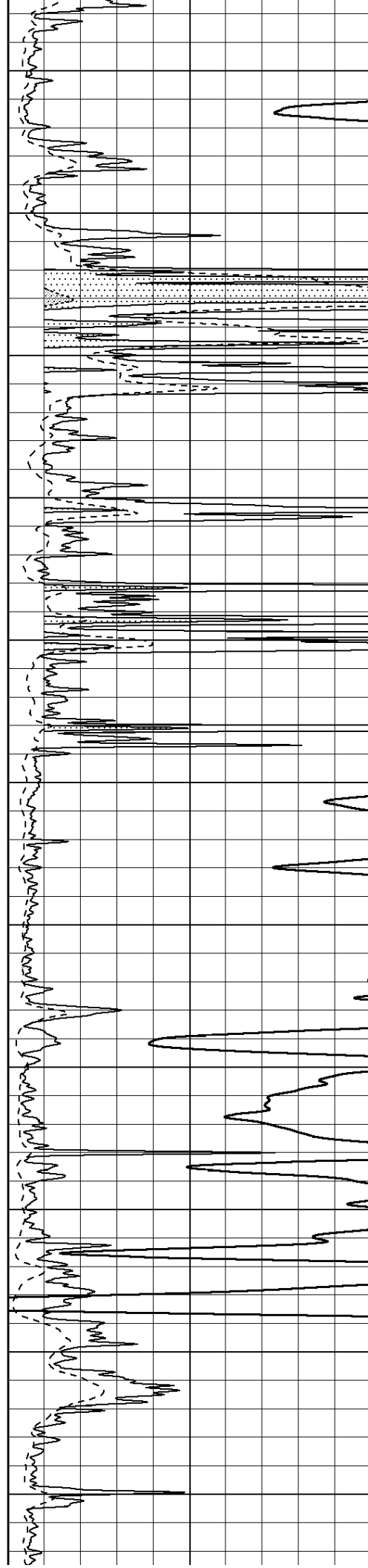
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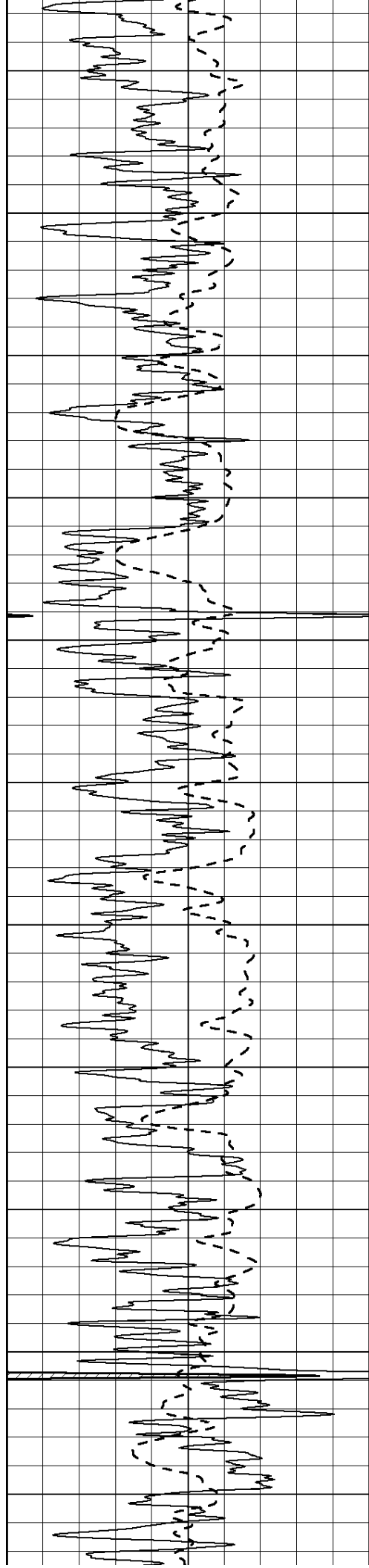
1950

2000

2050

2100





2150

2200

2250

2300

2350

2400

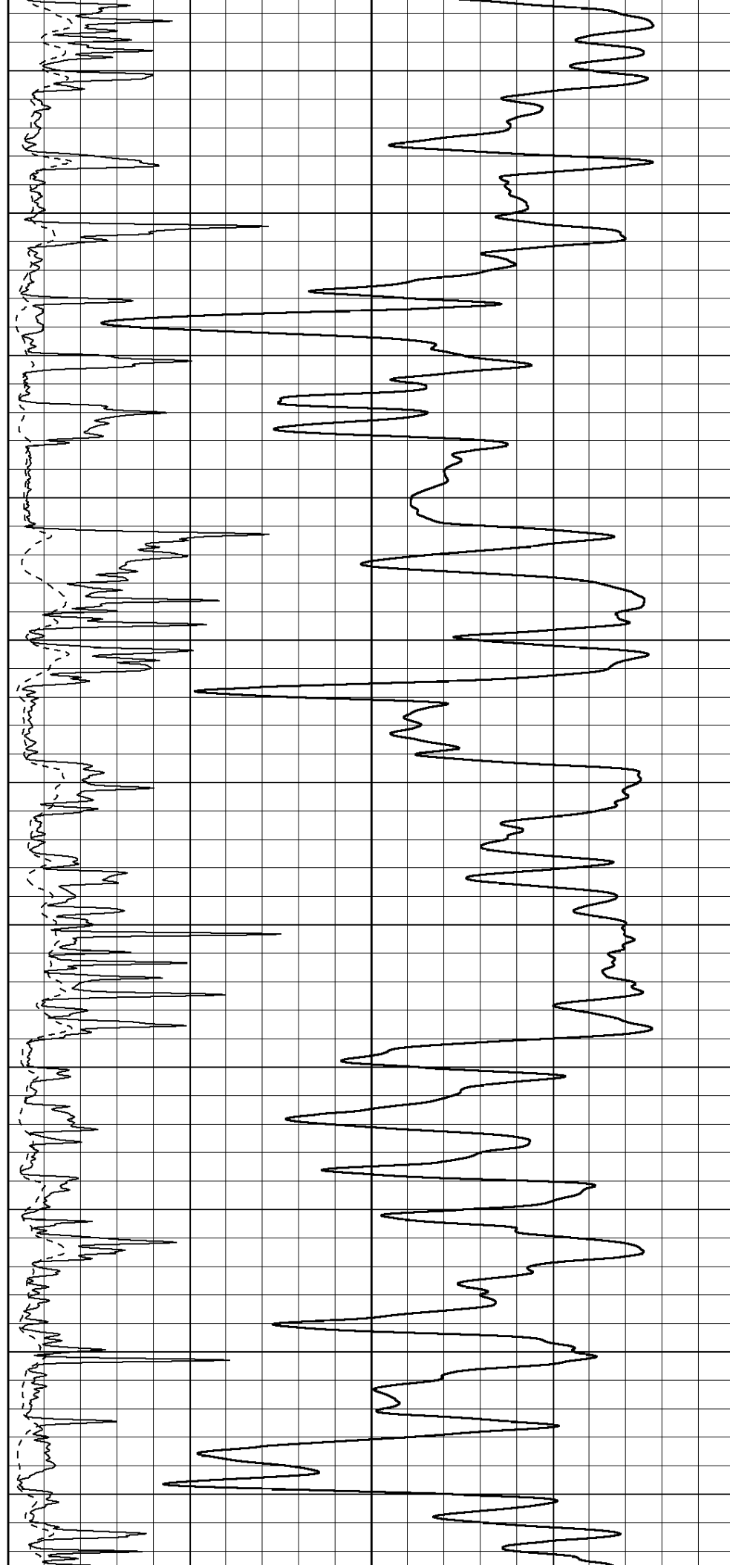
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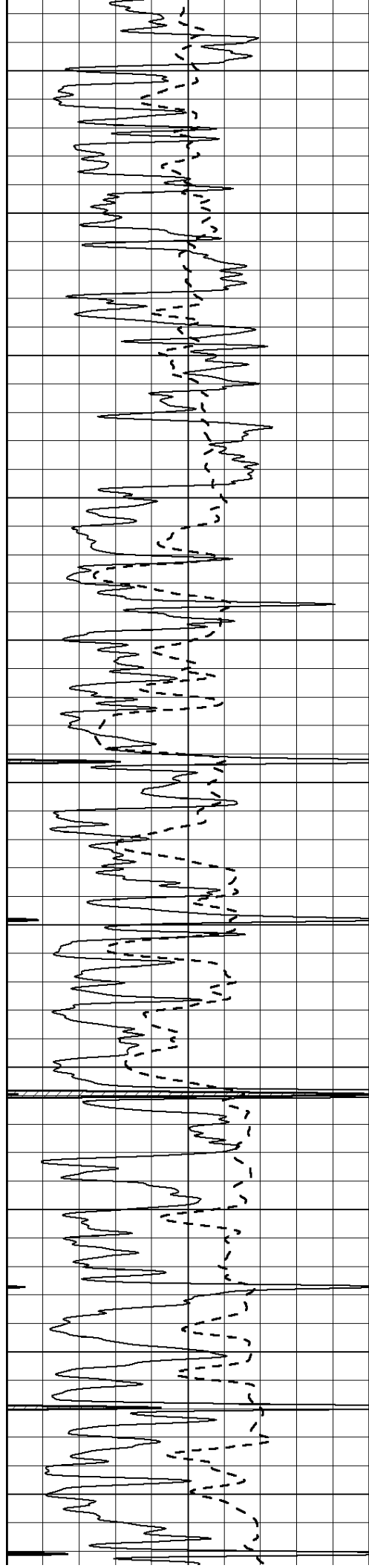
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2550

2600

2650





2700

2750

2800

2850

2900

2950

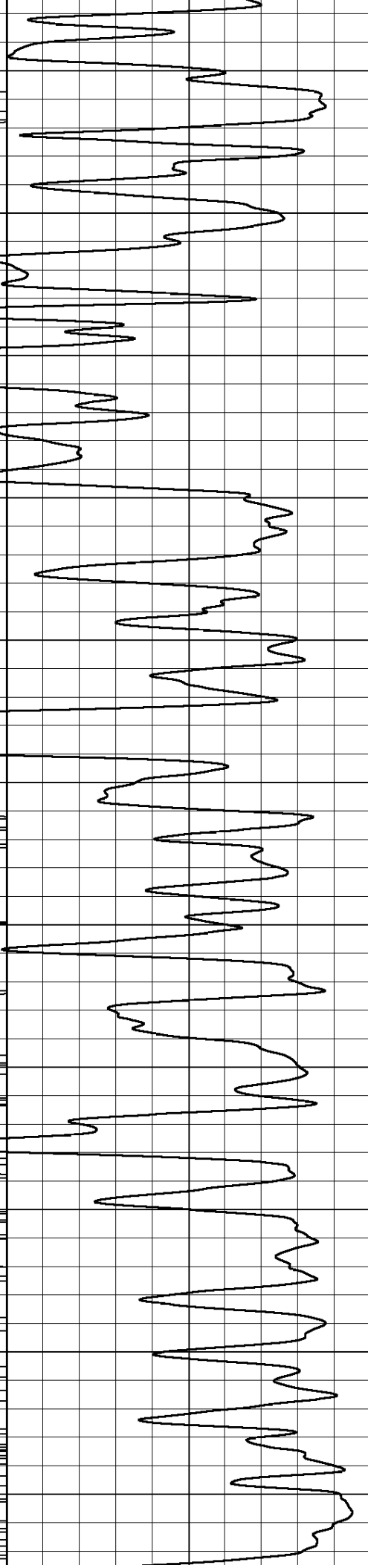
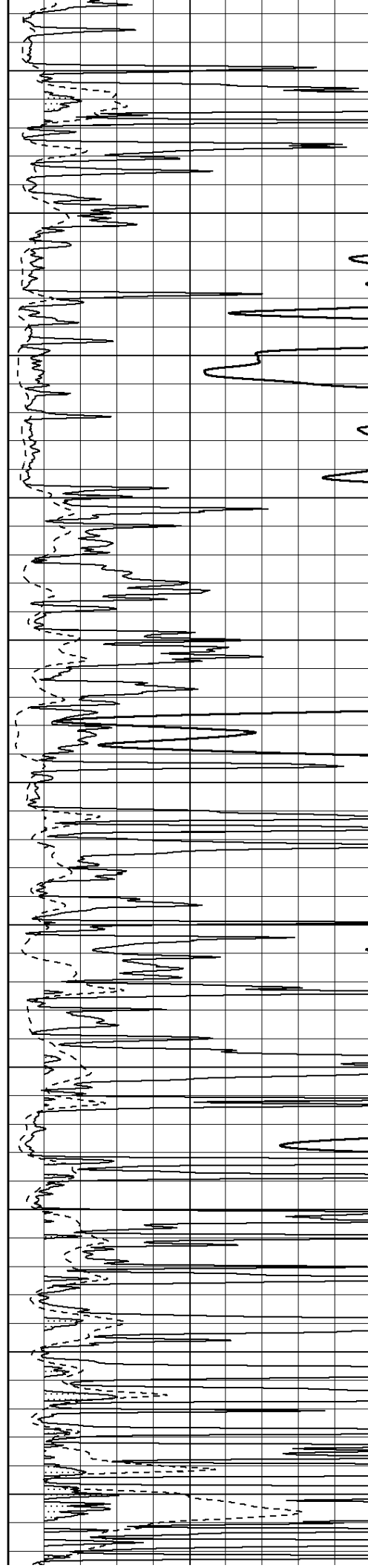
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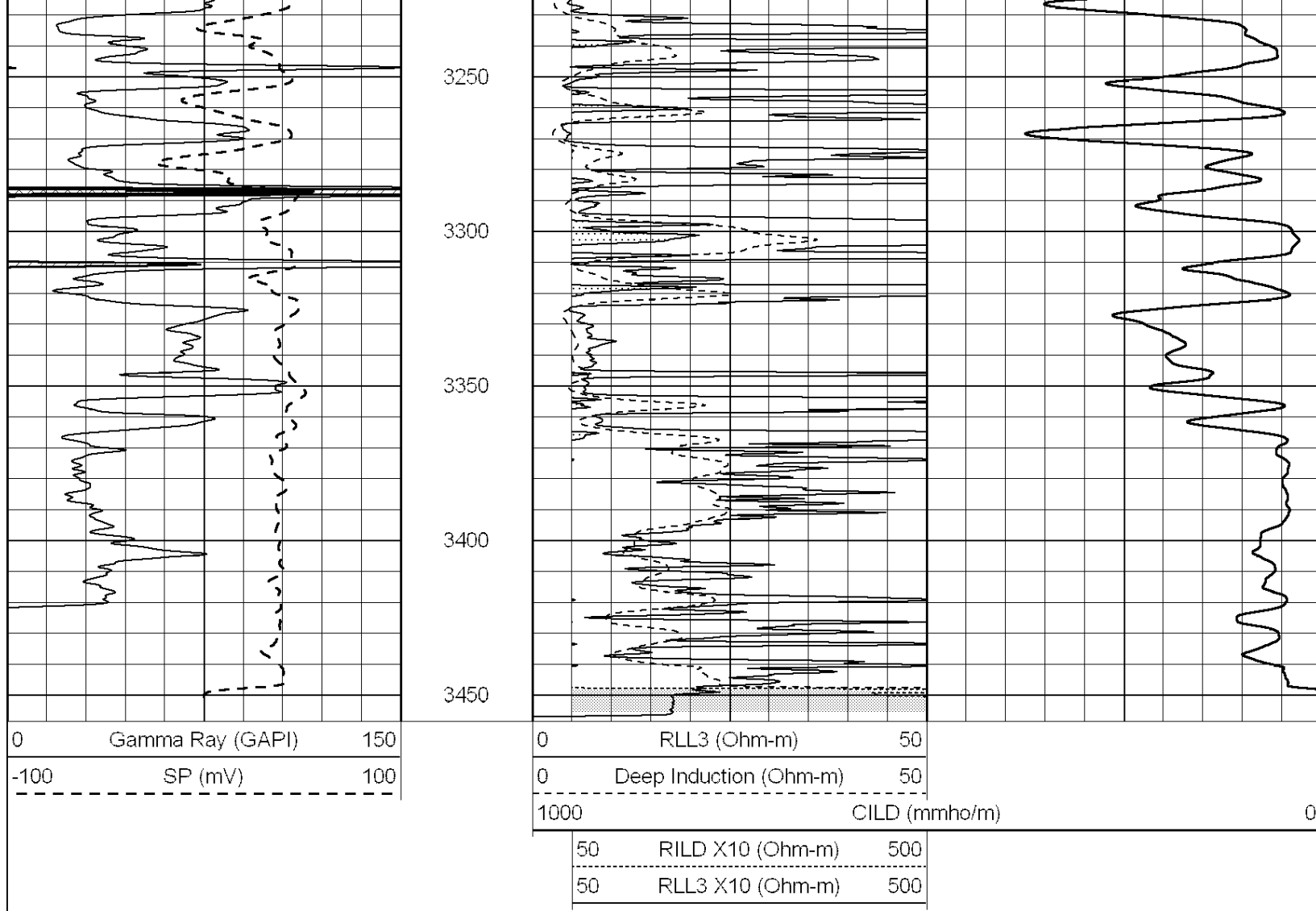
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3100

3150

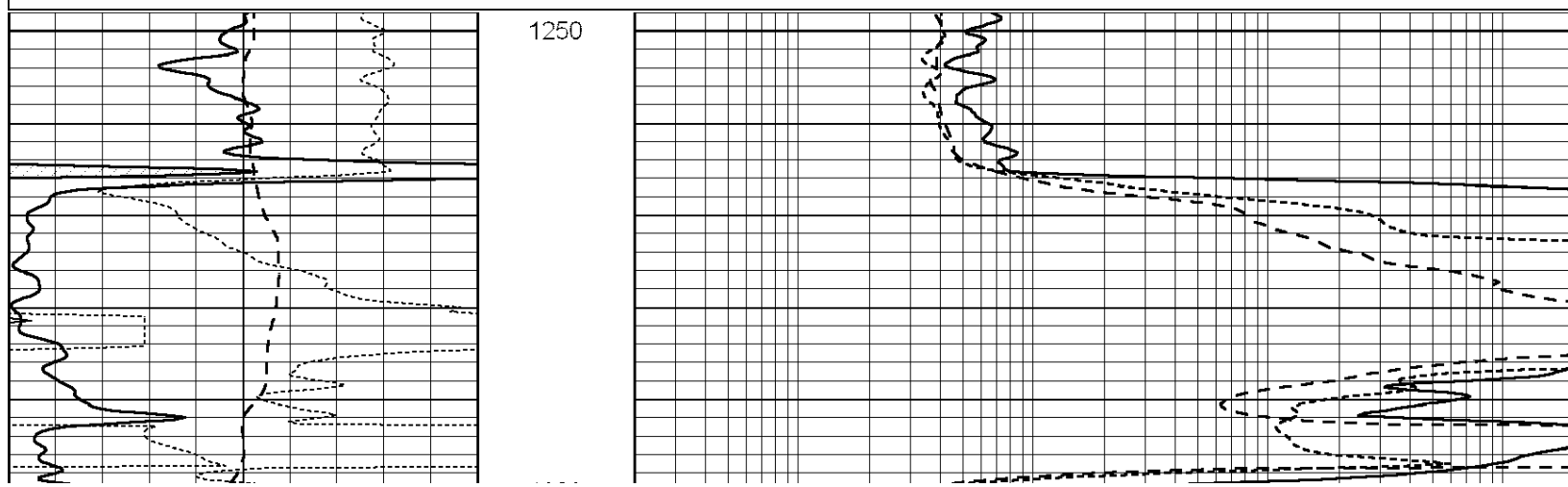
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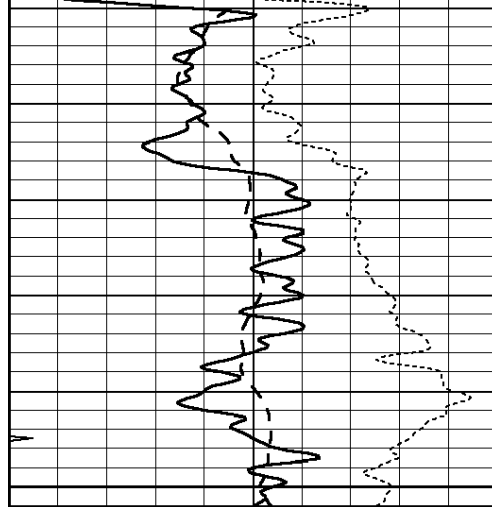




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Presentation Format: dil
Dataset Creation: Sat Nov 20 20:43:46 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			

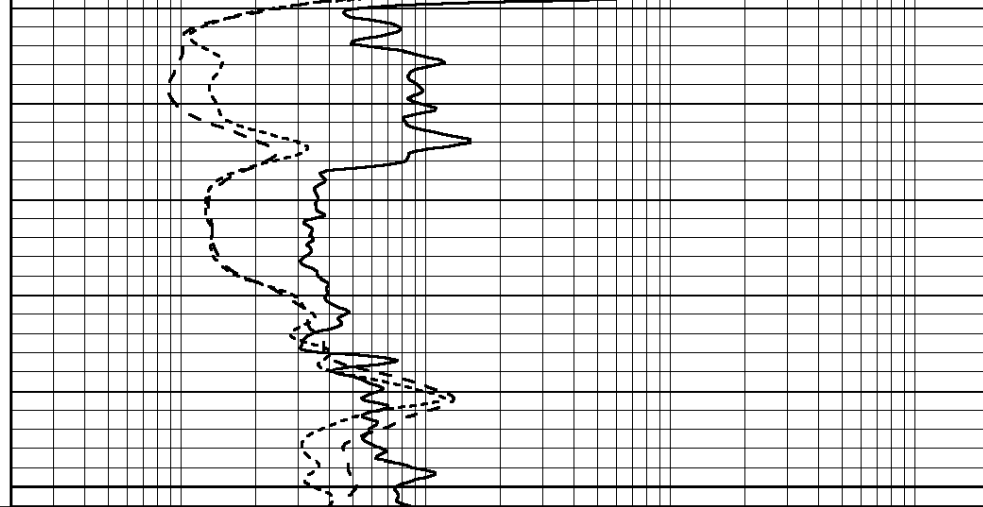




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

1300

1350

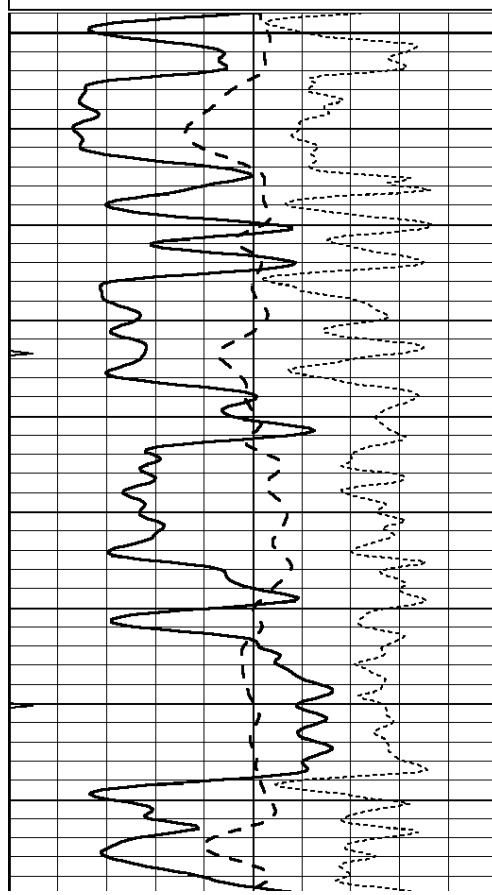


0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Database File: 005923ddn.db
 Dataset Pathname: pass3.2
 Presentation Format: dil
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 Charted by: Depth in Feet scaled 1:240

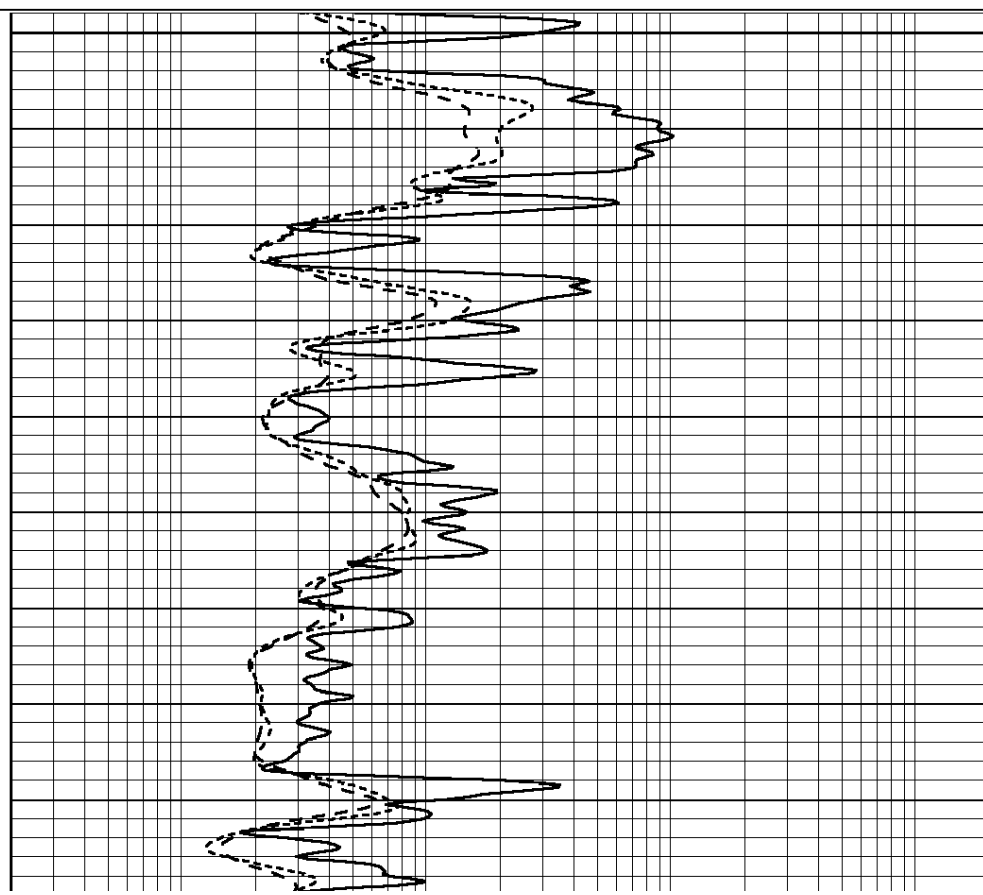
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-250	RxoRt	50
0	MINMK	20

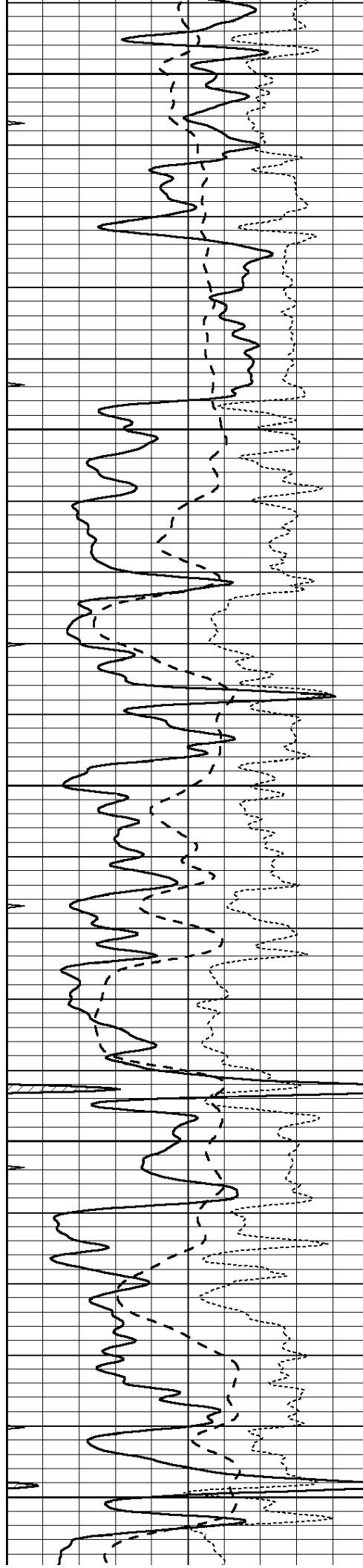
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



2700

2750





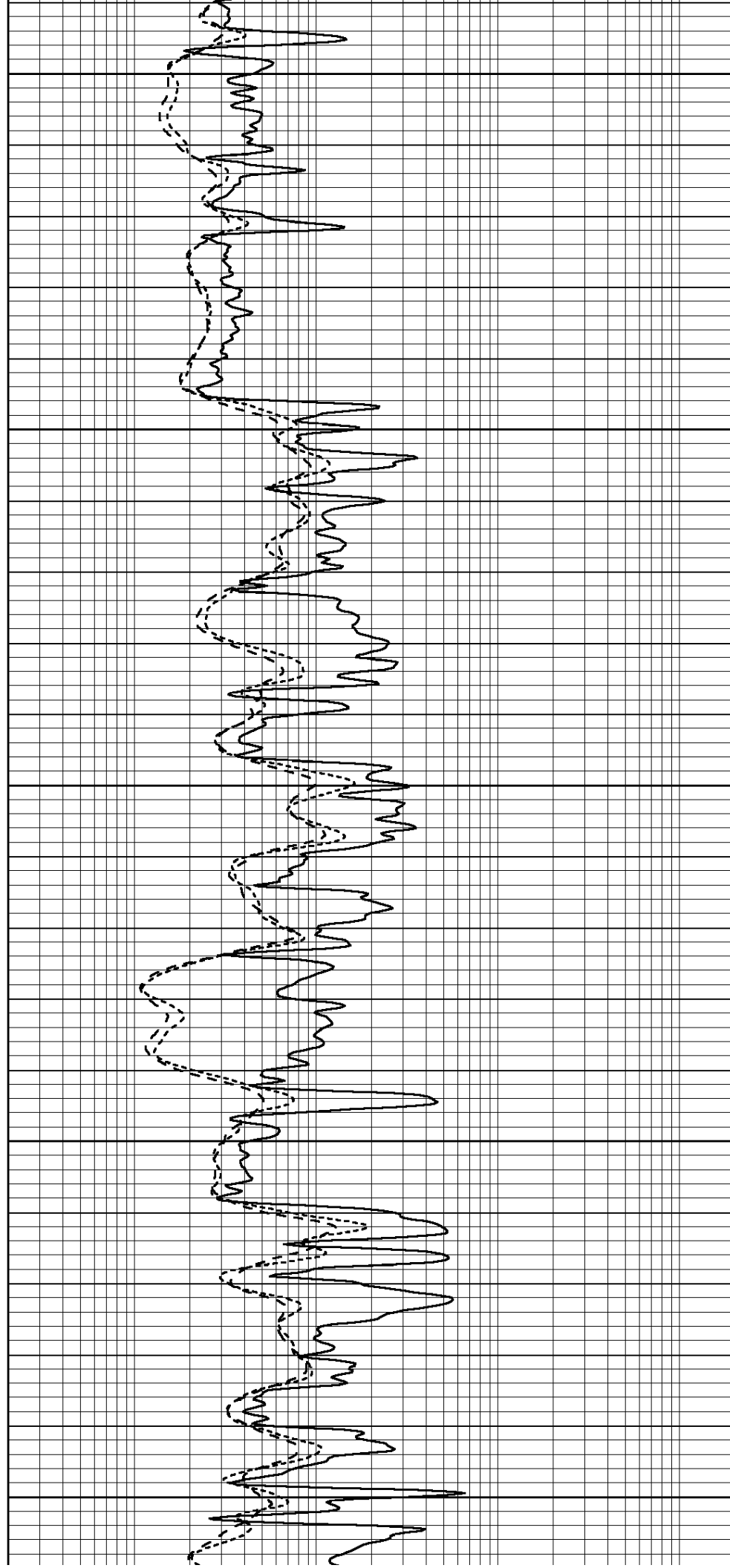
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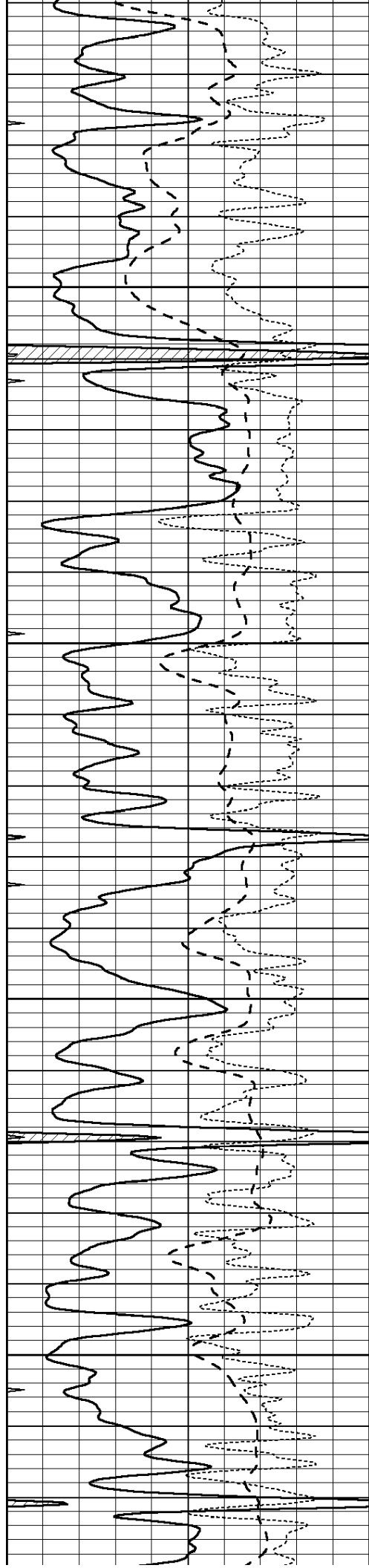
2850

2900

2950

3000



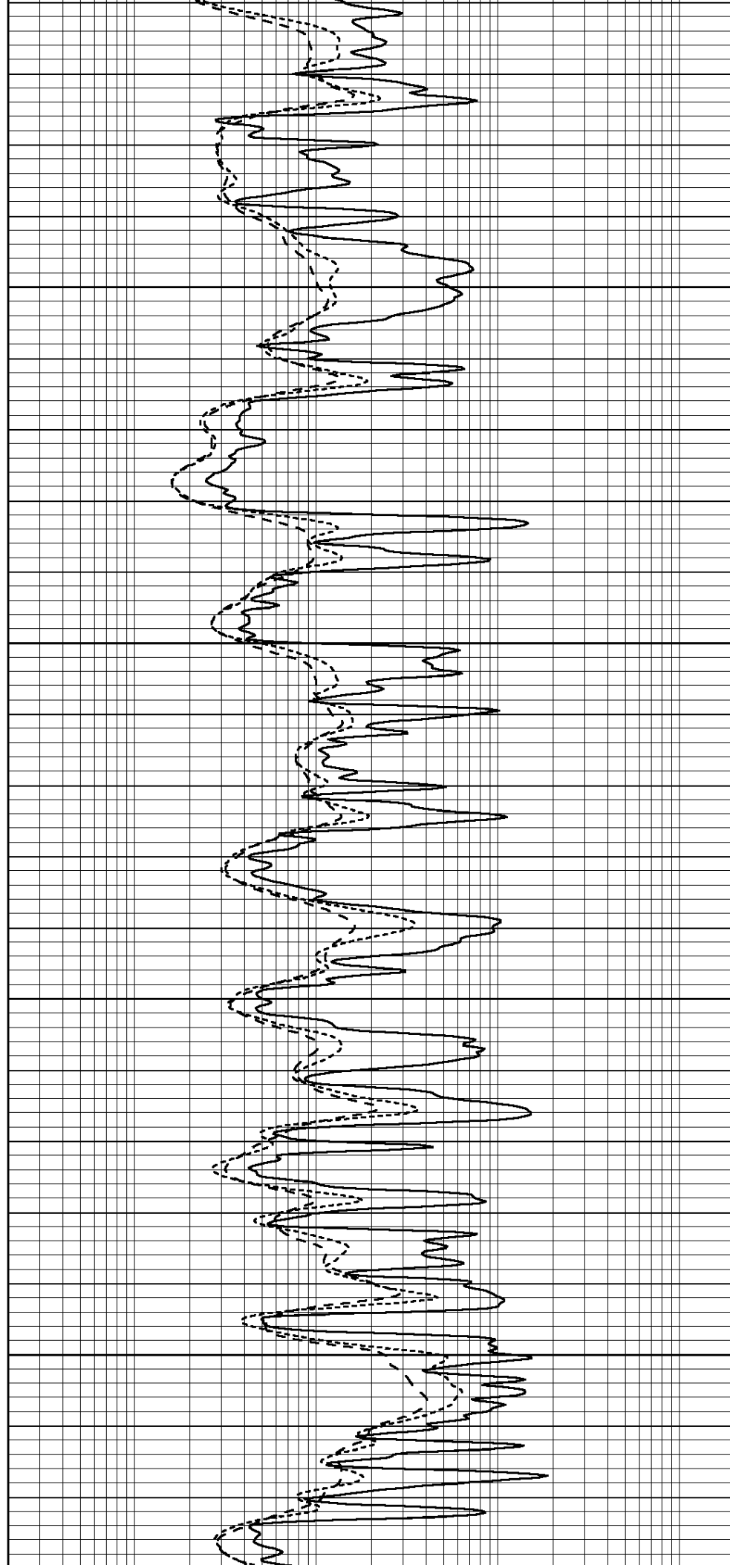


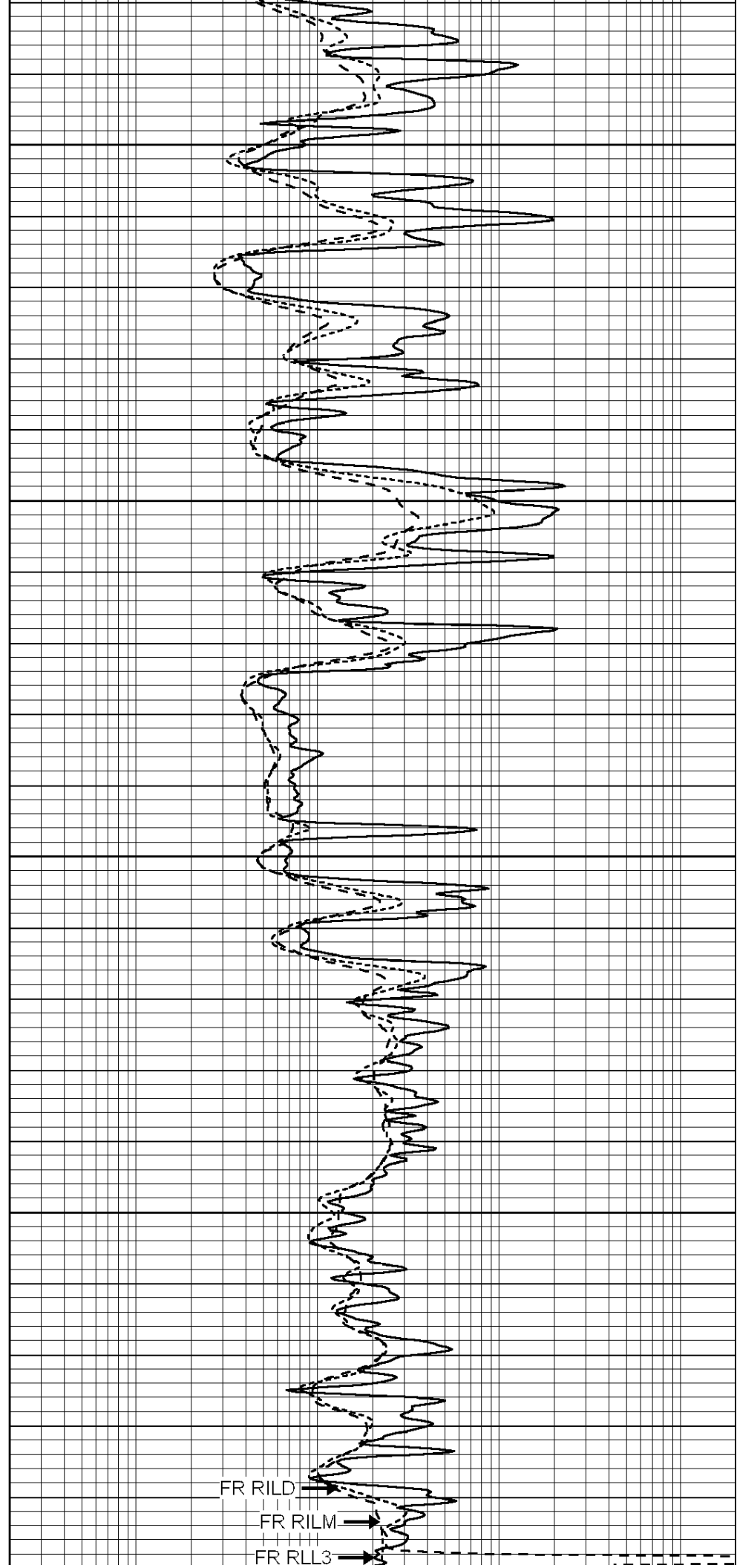
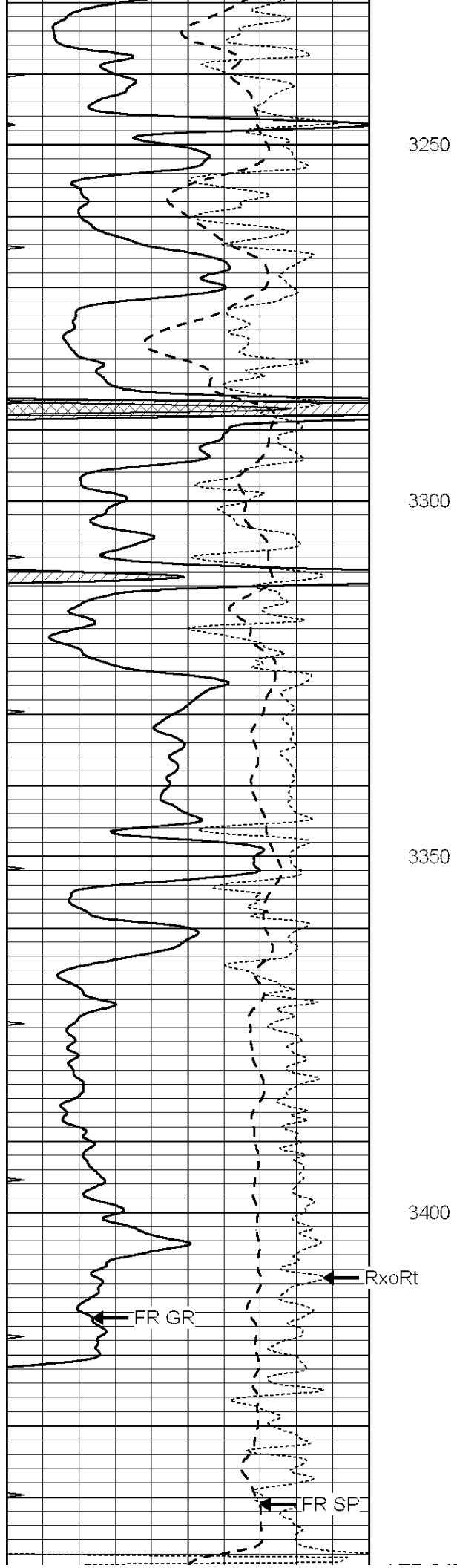
3050

3100

3150

3200





LTD 3451

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



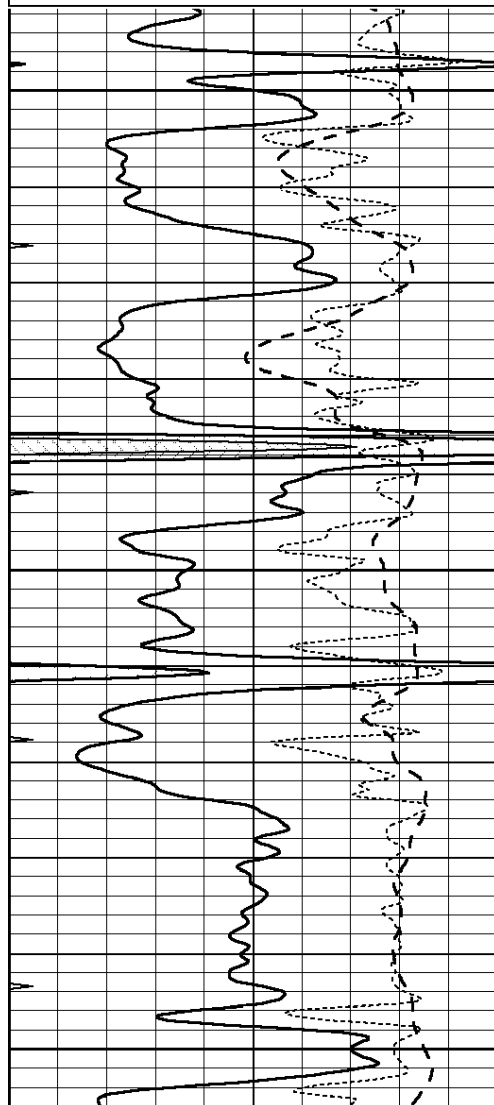
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 005923ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: dil
 Dataset Creation: Sat Nov 20 18:43:06 2010 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

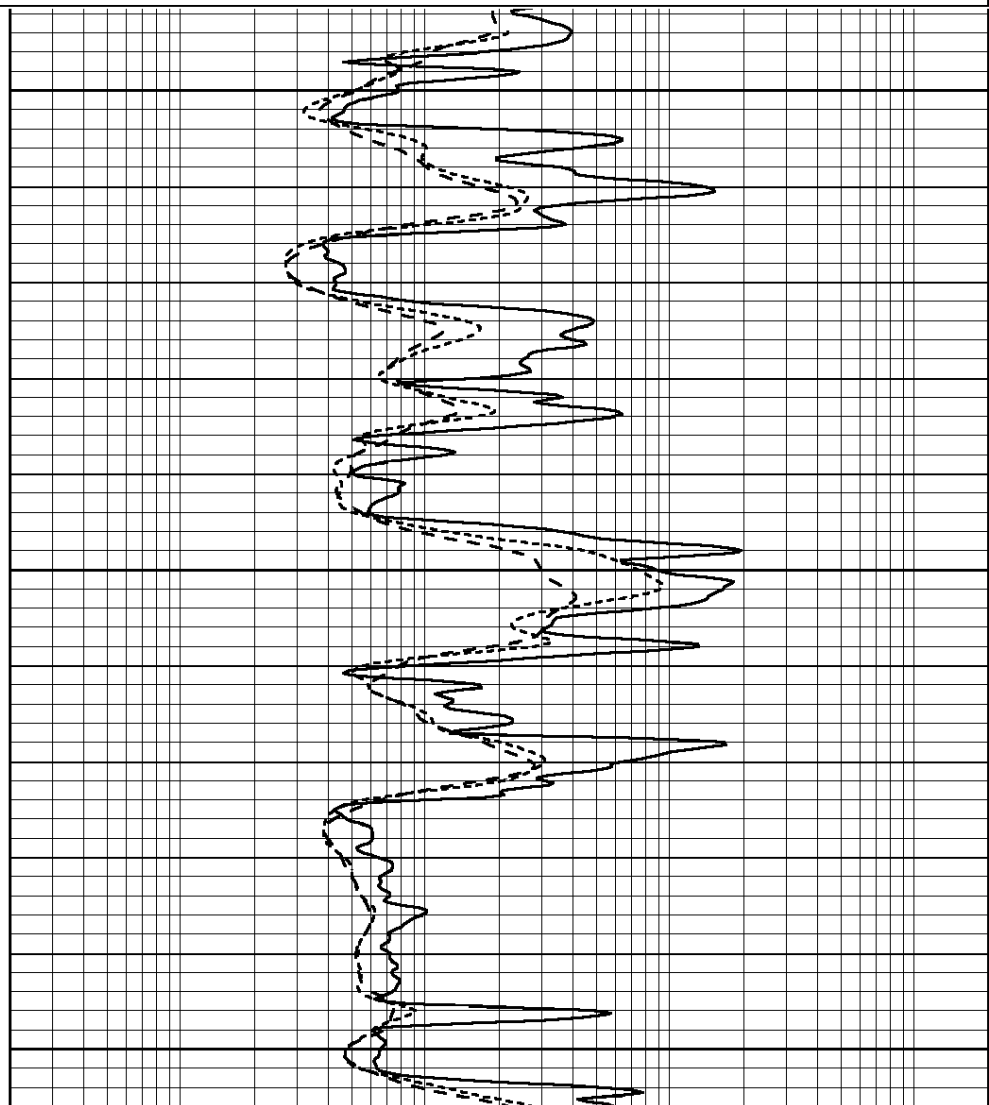
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

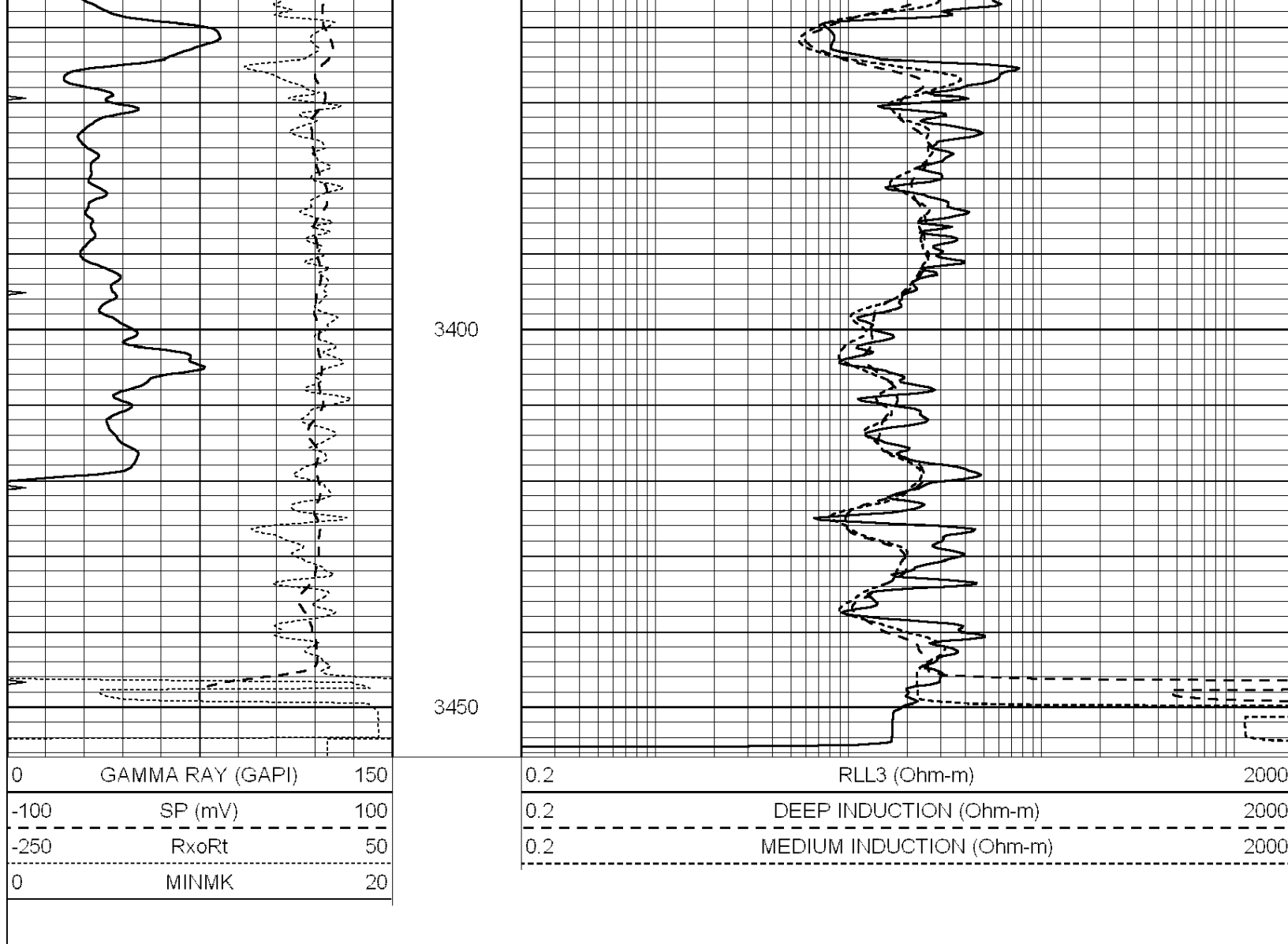


3250

3300

3350





Calibration Report

Database File: 005923ddn.db
 Dataset Pathname: pass3.3
 Dataset Creation: Sat Nov 20 20:43:46 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Sun Nov 14 22:14:20 2010

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	540.000	-8.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	520.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Fri Nov 19 08:01:33 2010

Master Calibration

	Density			Far Detector	Near Detector	
Magnesium	1.710	g/cc		1243.76	629.14	cps
Aluminum	2.580	g/cc		282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.569			
	Size			Reading		
Small Ring	7.70	in		3.82	V	
Large Ring	14.00	in		6.37	V	

Compensated Neutron Calibration Report

Serial Number:	NEU_1I
Tool Model:	G

CALIBRATION						
Detector	Readings		Target		Normalization	
Short Space	1.00	cps	1.00	cps	1.0000	
Long Space	1.00	cps	1.00	cps	1.0000	

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Sat Nov 20 18:28:54 2010	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps