



DUAL INDUCTION LOG

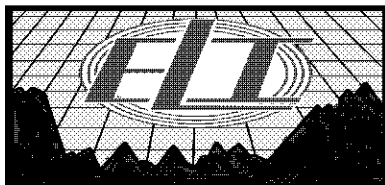
Company	PALOMINO PETROLEUM, INC.	
Well	ALL ALONG THE WATCHTOWER #1	
Field	JUDICA SOUTH	
County	NESS	
State	KANSAS	
Company	PALOMINO PETROLEUM, INC.	
Well	ALL ALONG THE WATCHTOWER #1	
Field	JUDICA SOUTH	
County	NESS	
State	KANSAS	
Location:	API # : 15-135-26156-0000	Other Services CNL/CDL MEL
Permanent Datum	SEC 2 TWP 16S RGE 26W	Elevation
Log Measured From	GROUND LEVEL Elevation 2611	K.B. 2619
Drilling Measured From	KELLY BUSHING 8' A.G.L	D.F. 2617
	KELLY BUSHING	G.L. 2611
Date	2/21/22	
Run Number	ONE	
Depth Driller	4625	
Depth Logger	4654	
Bottom Logged Interval	4652	
Top Log Interval	00	
Casing Driller	8 5/8" @ 214	
Casing Logger	214	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3900 PPM
Density / Viscosity	9.2/55	
pH / Fluid Loss	11.0/5.8	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	1.2@60F	
Rmf @ Meas. Temp	.9@60F	
Rmc @ Meas. Temp	1.44@60F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.59@122F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom	////	
Maximum Recorded Temperature	122F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	JASON CAPELLUCCI	TJ DREILING
Witnessed By	RYAN SEIB	

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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 ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
FROM UTICA KS, WEST SIDE OF TOWN TO ROAD "D"
-2 1/2 MILES NORTH, -EAST INTO



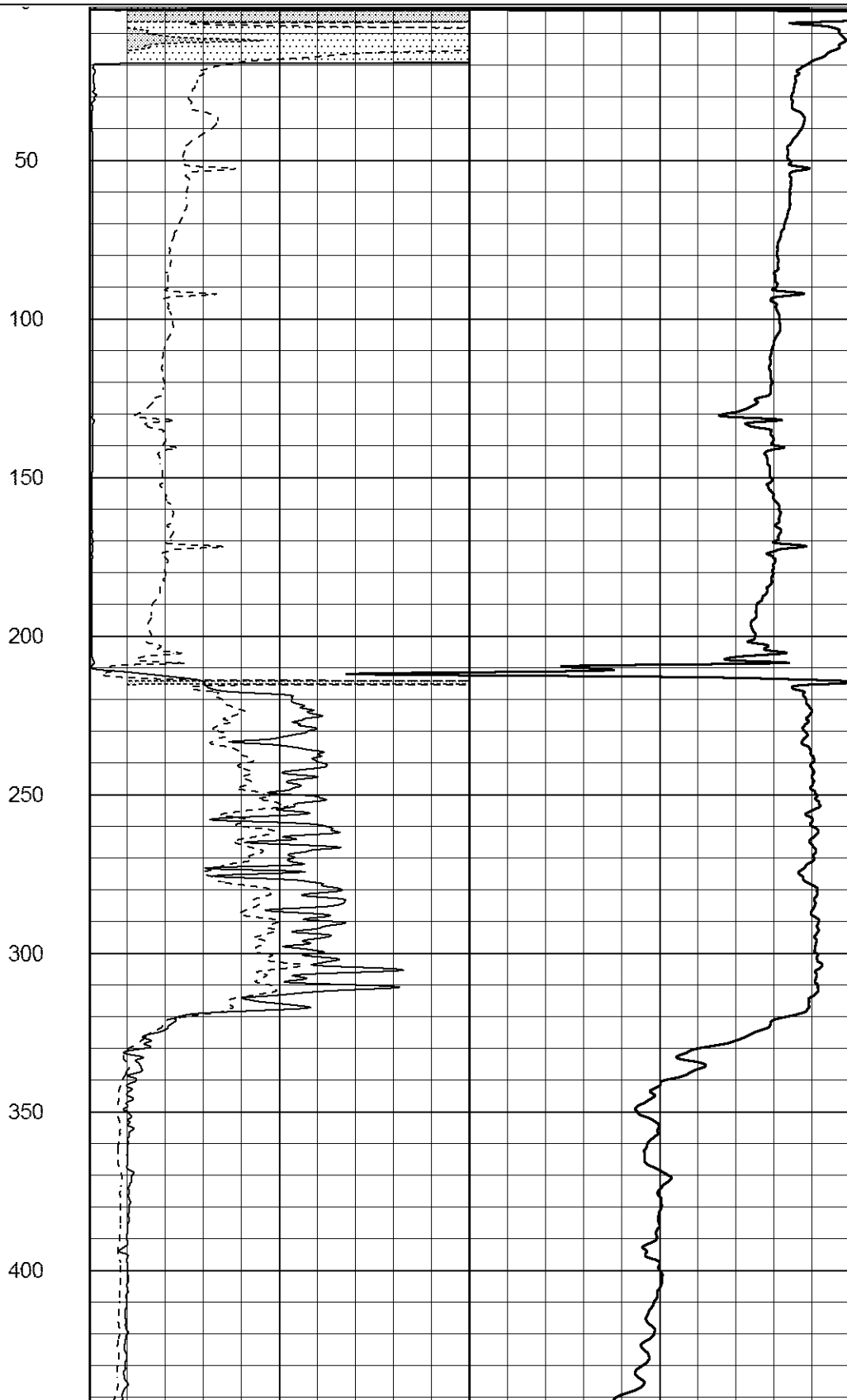
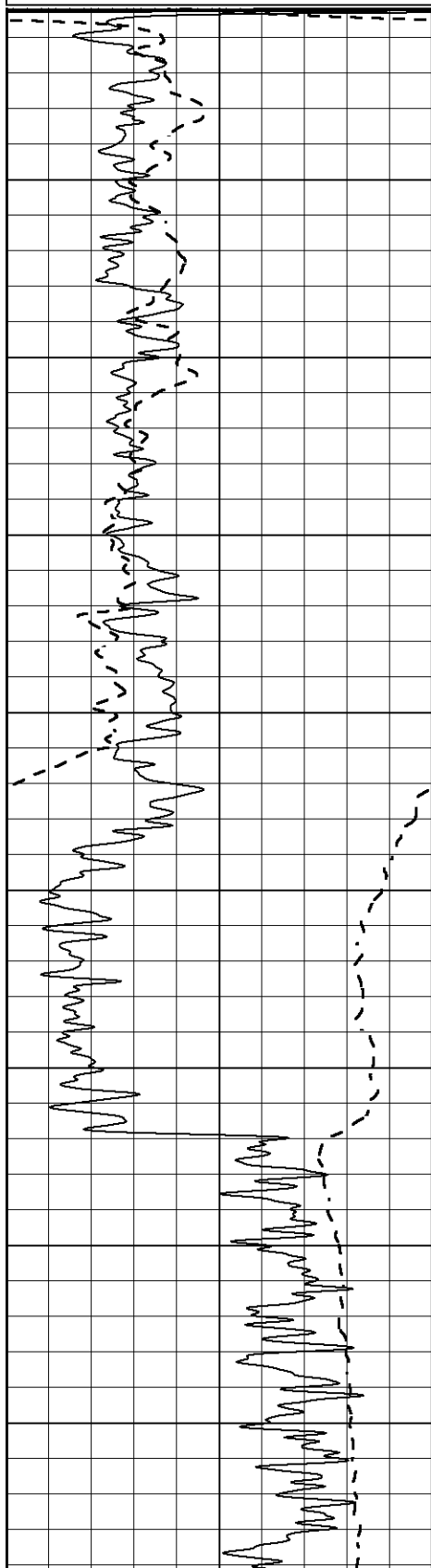
MAIN SECTION

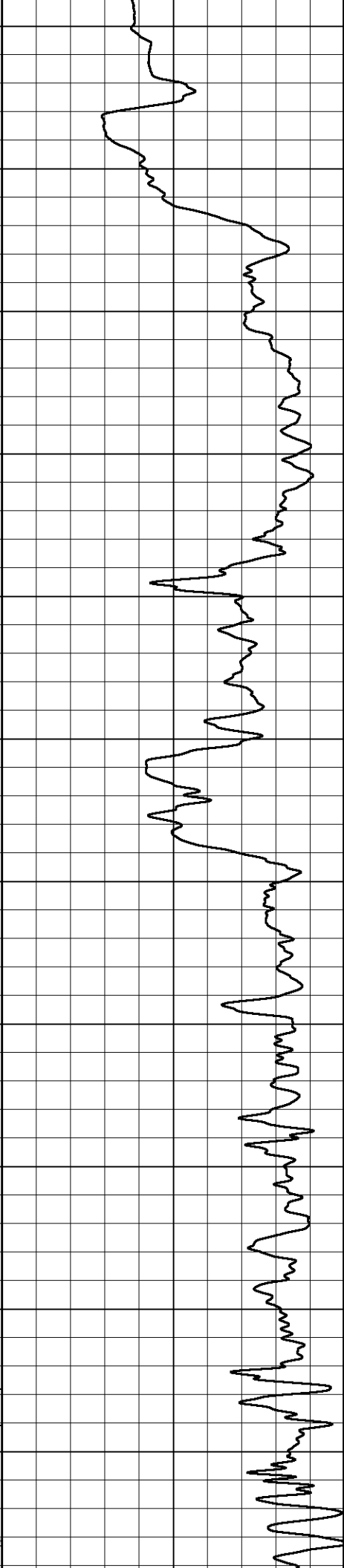
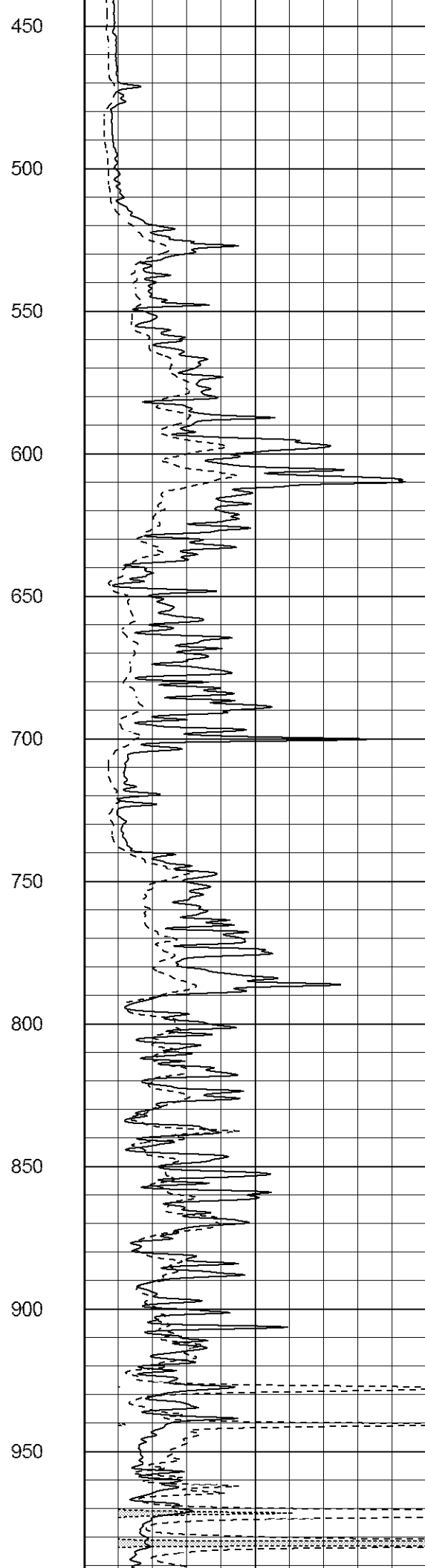
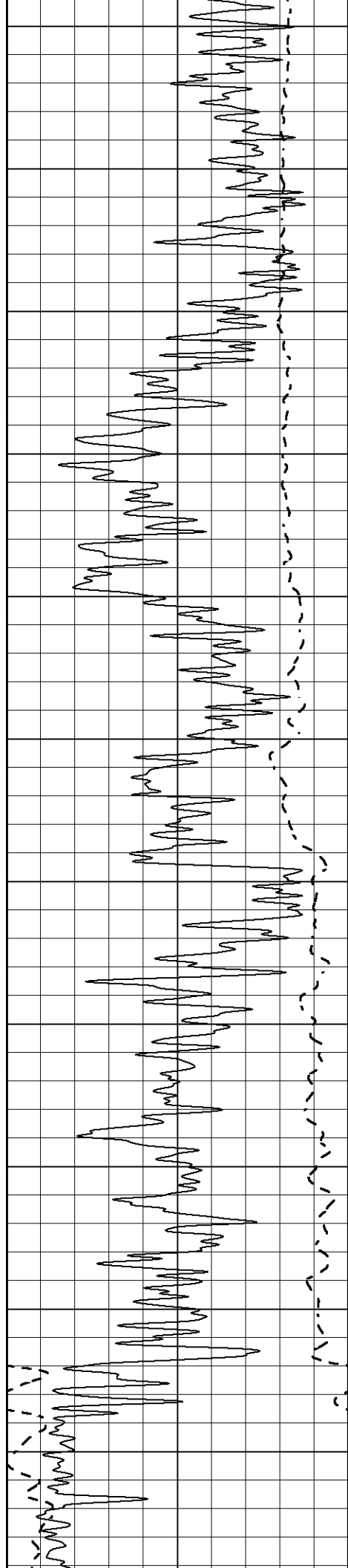
Database File 6244ddn.db
Dataset Pathname pass3.3
Presentation Format _dil2
Dataset Creation Tue Feb 22 01:05:18 2022
Charted by Depth in Feet scaled 1:600

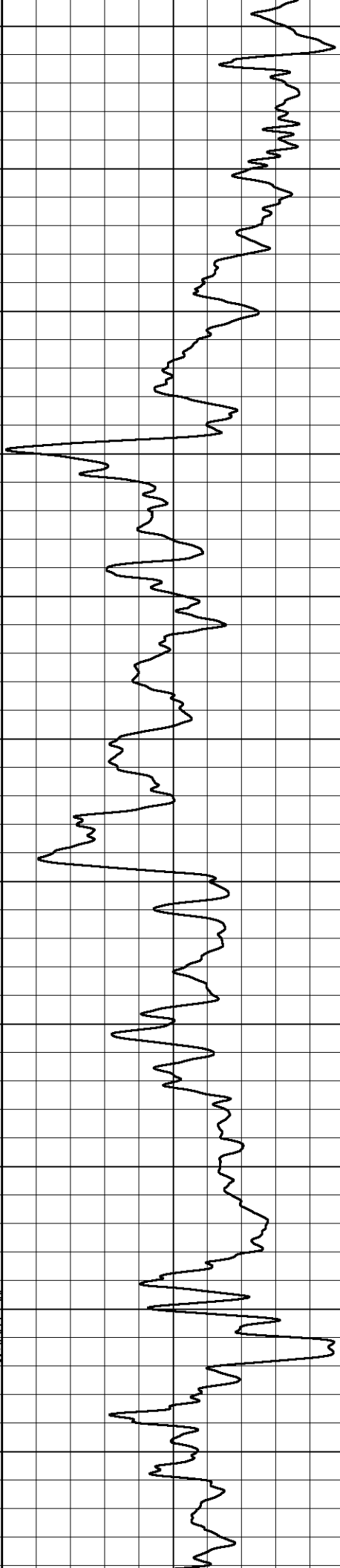
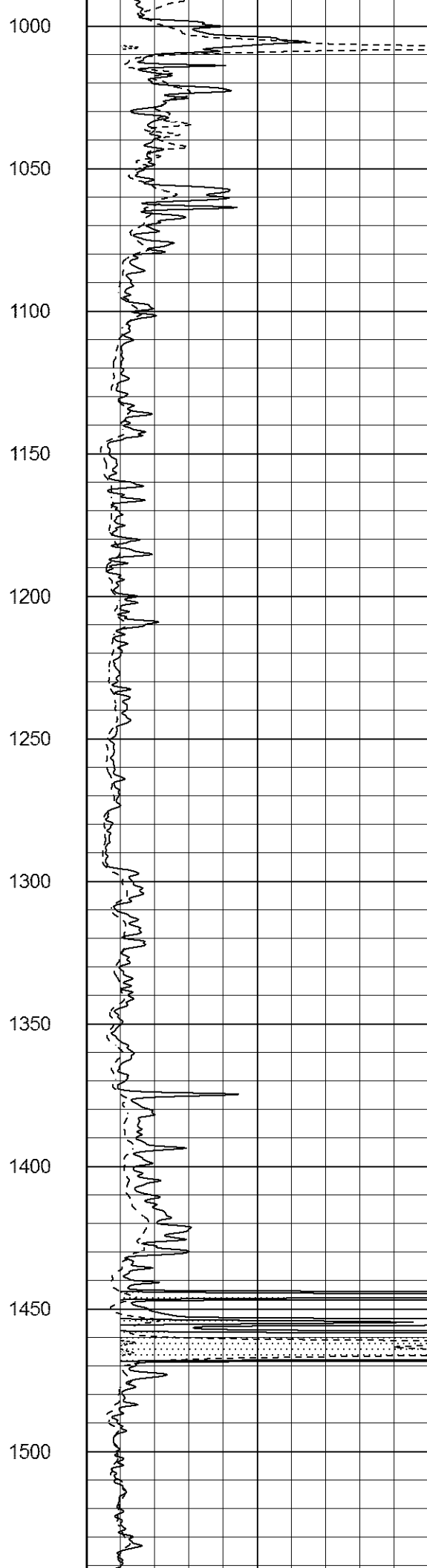
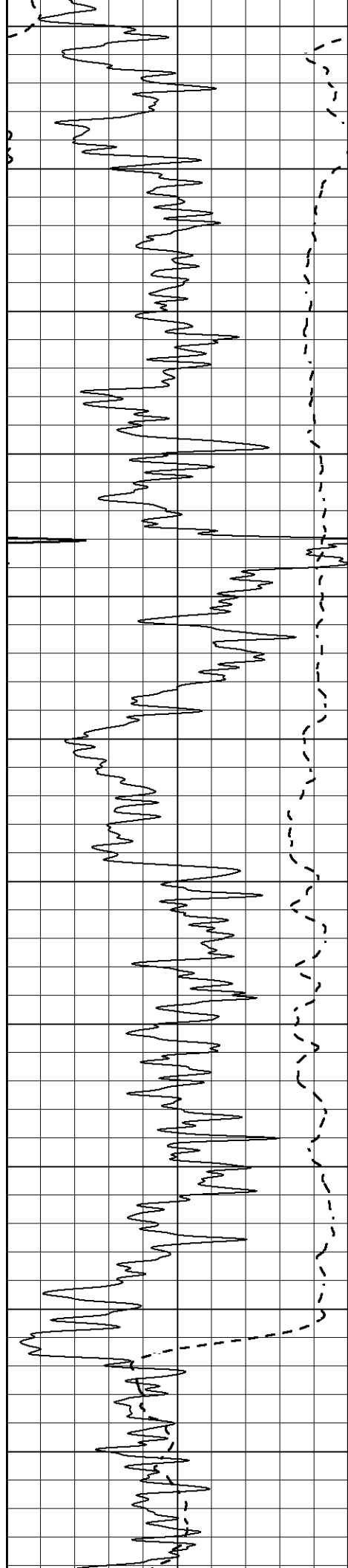
0 Gamma Ray (GAPI) 150
-100 SP (mV) 100

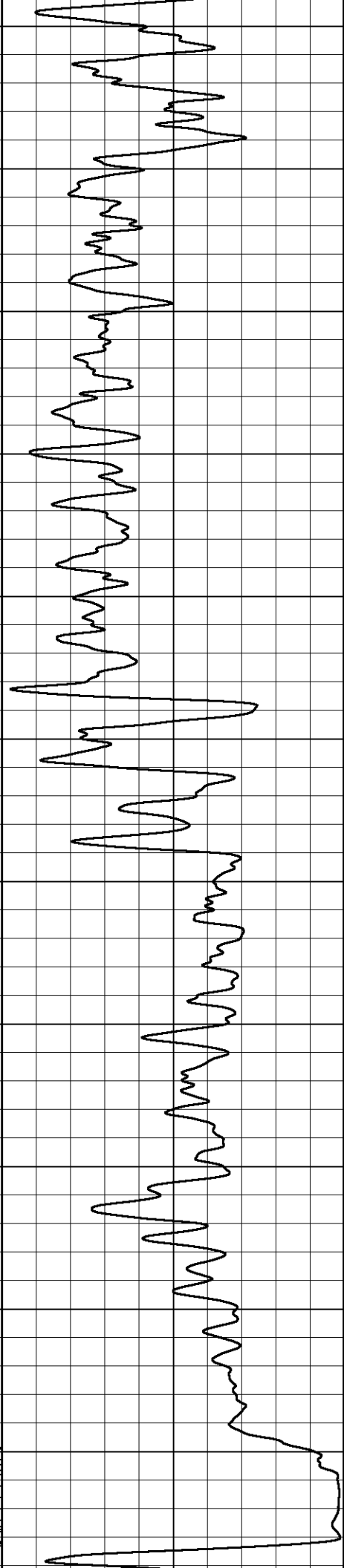
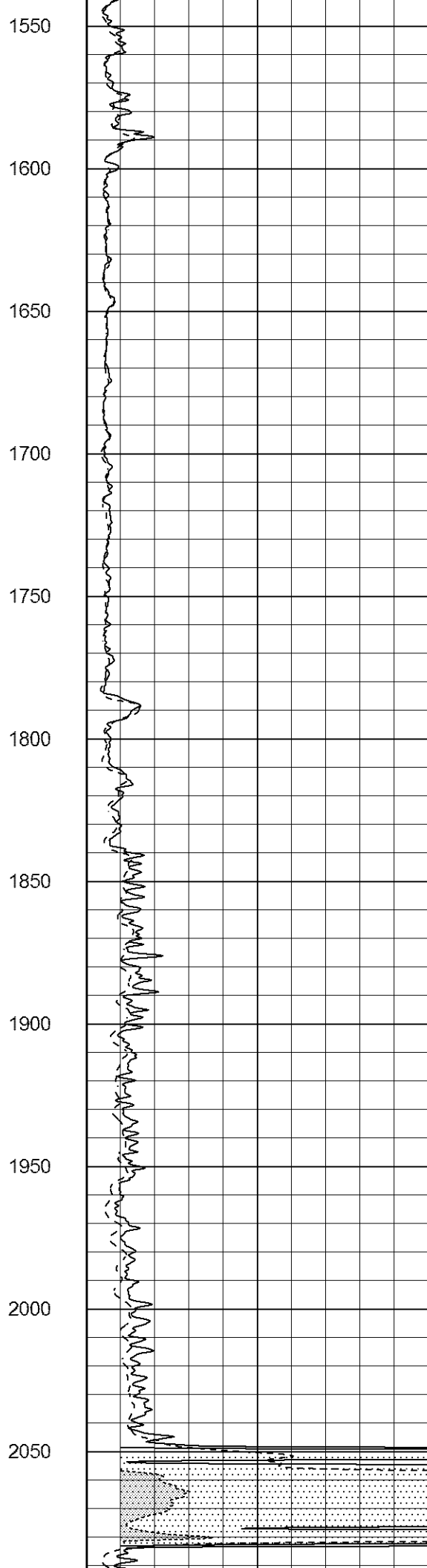
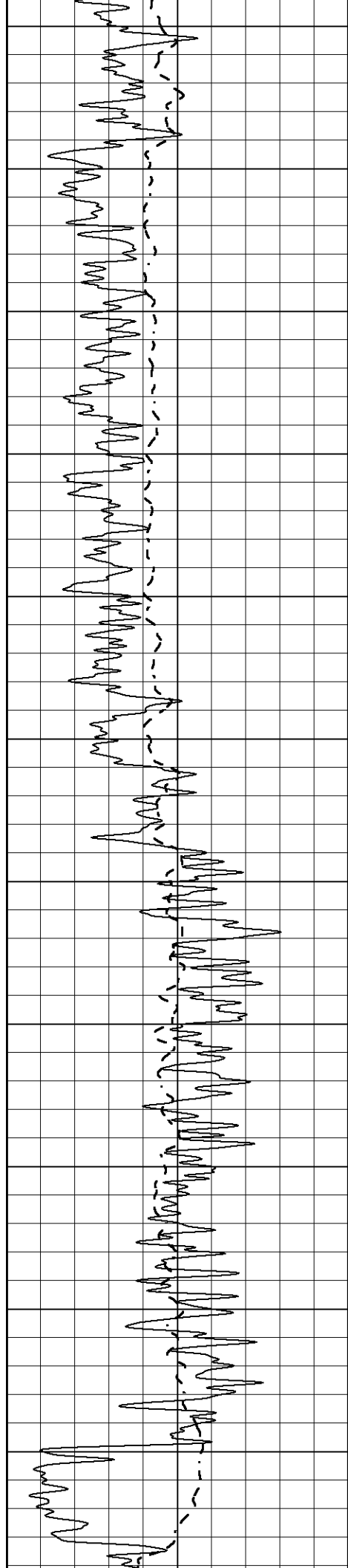
1000 CILD (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 Deep Induction (Ohm-m) 50

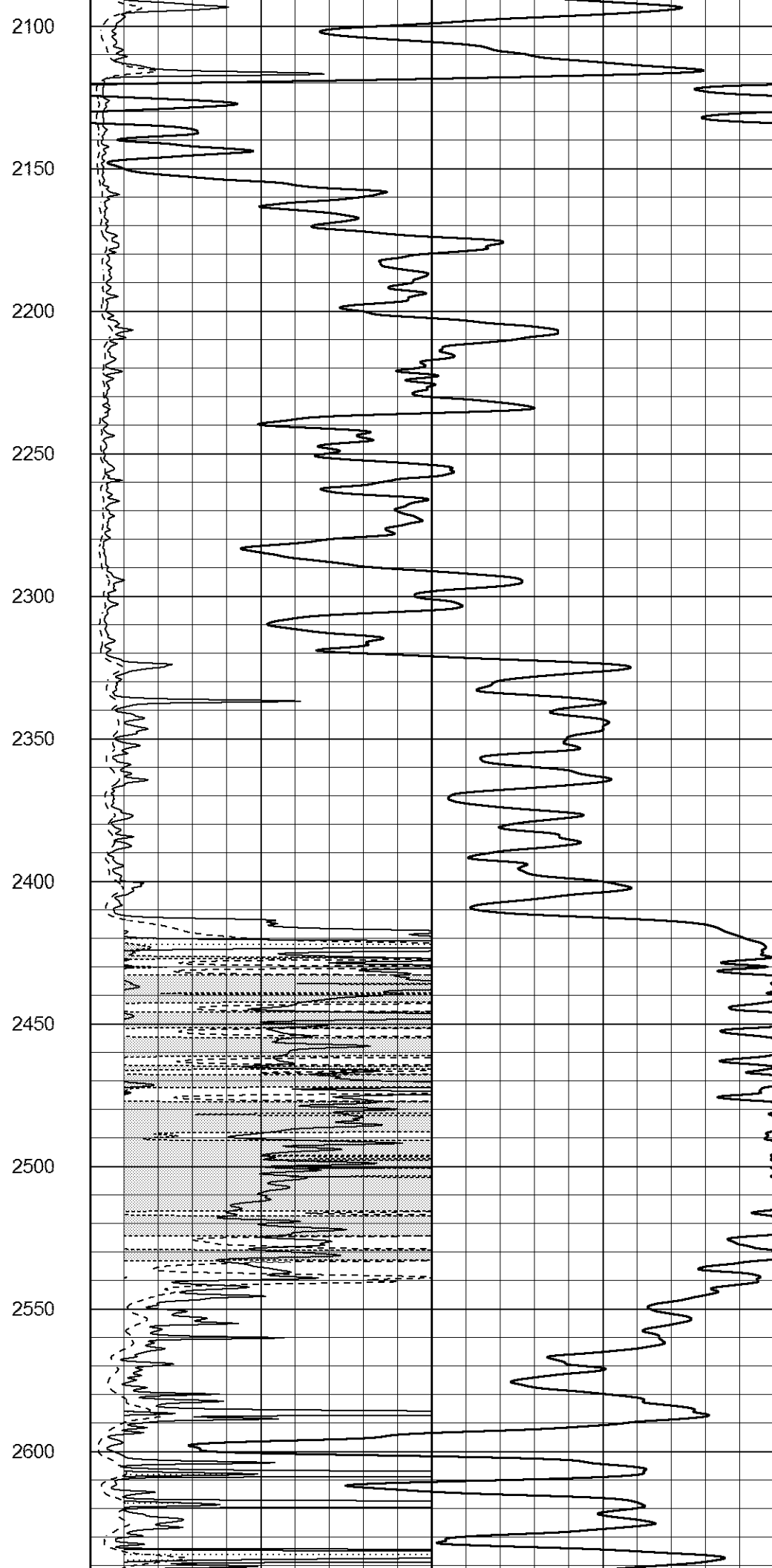
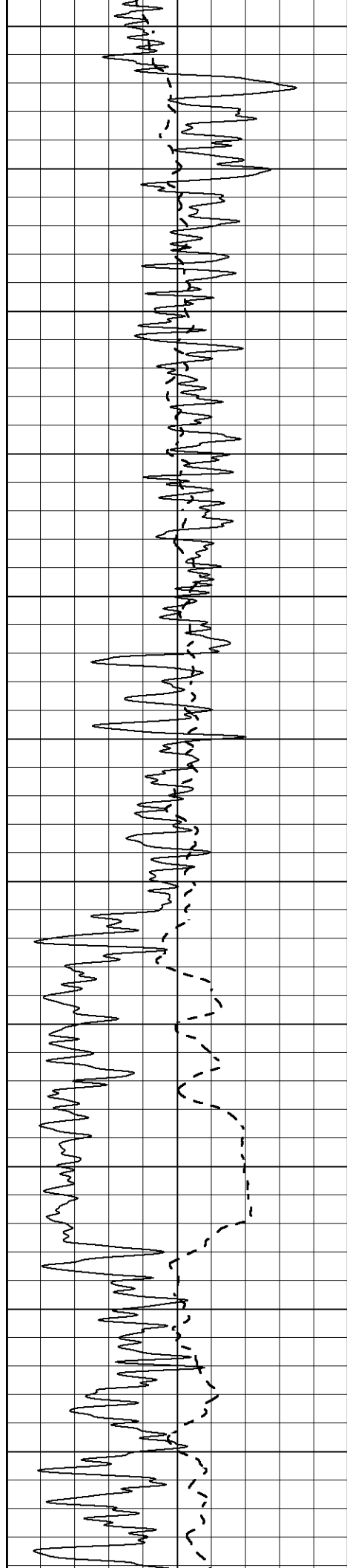
50 RILD X10 (Ohm-m) 500
50 RLL3 X10 (Ohm-m) 500

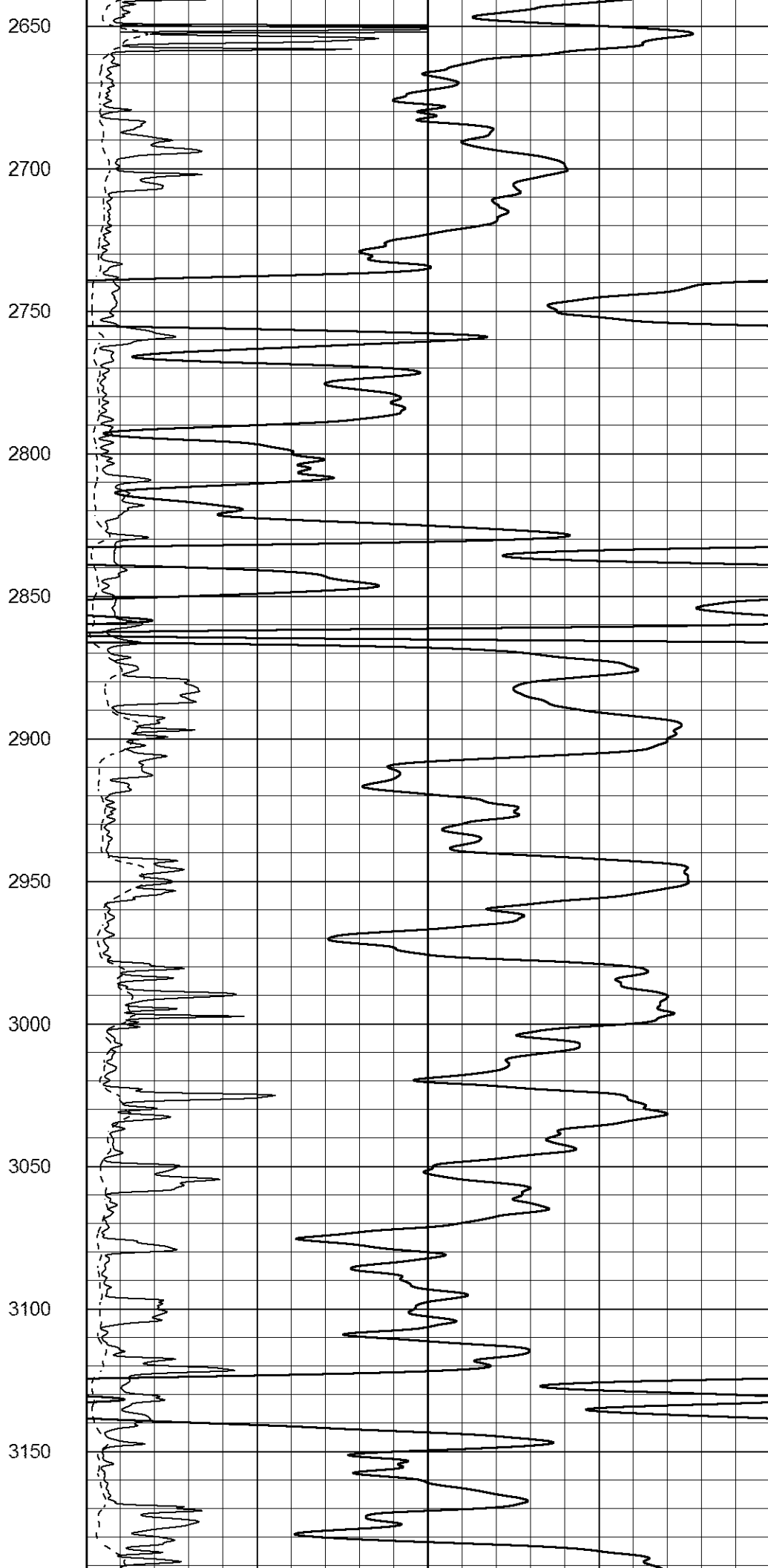
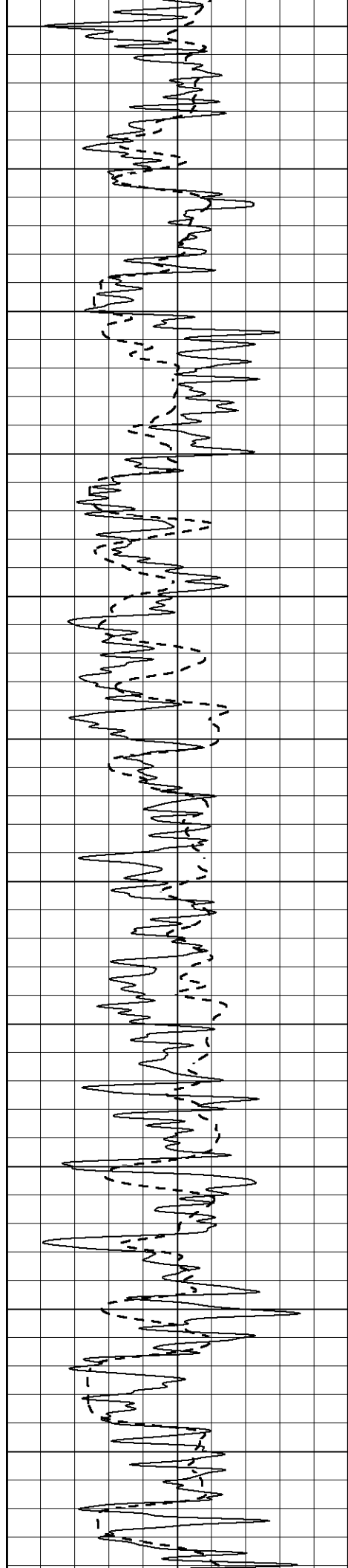












3200

3250

3300

3350

3400

3450

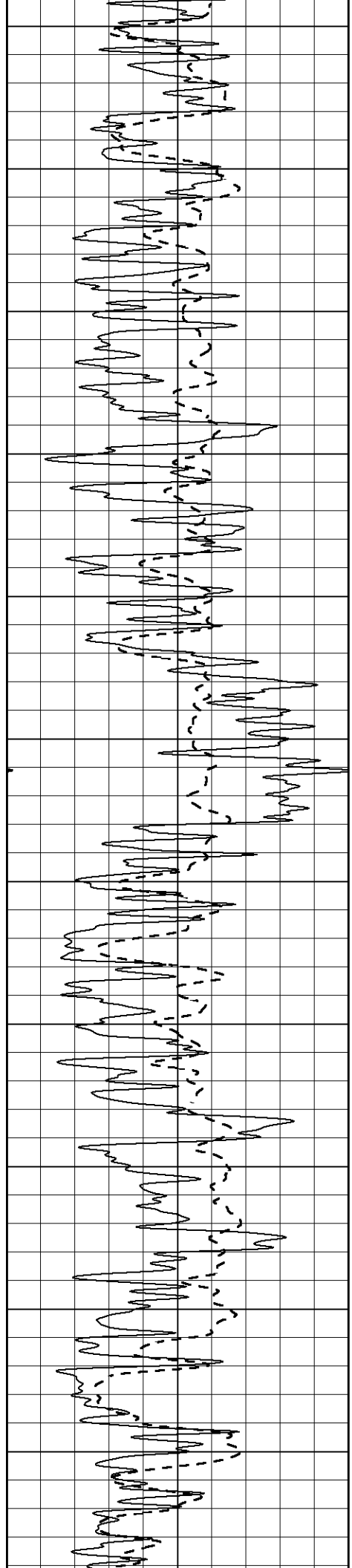
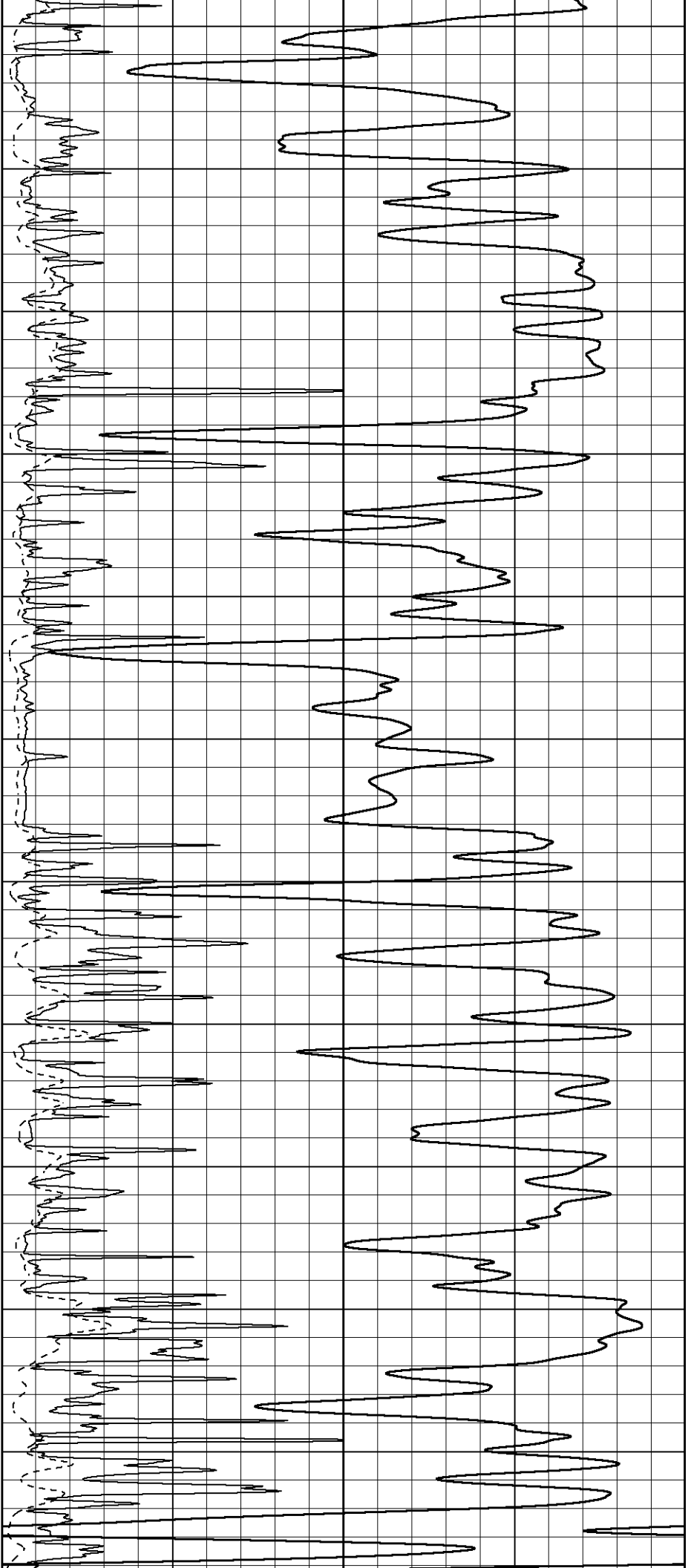
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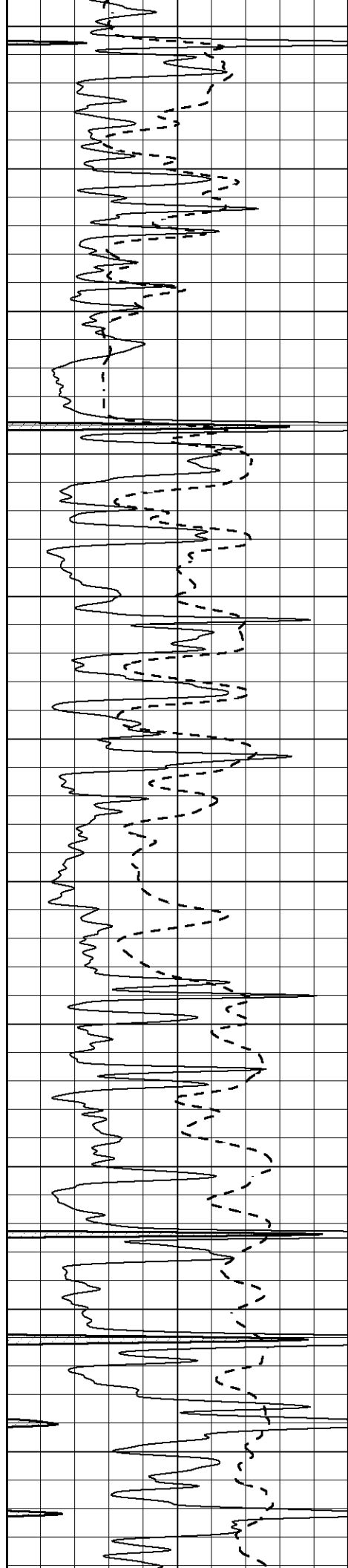
3550

3600

3650

3700





3750

3800

3850

3900

3950

4000

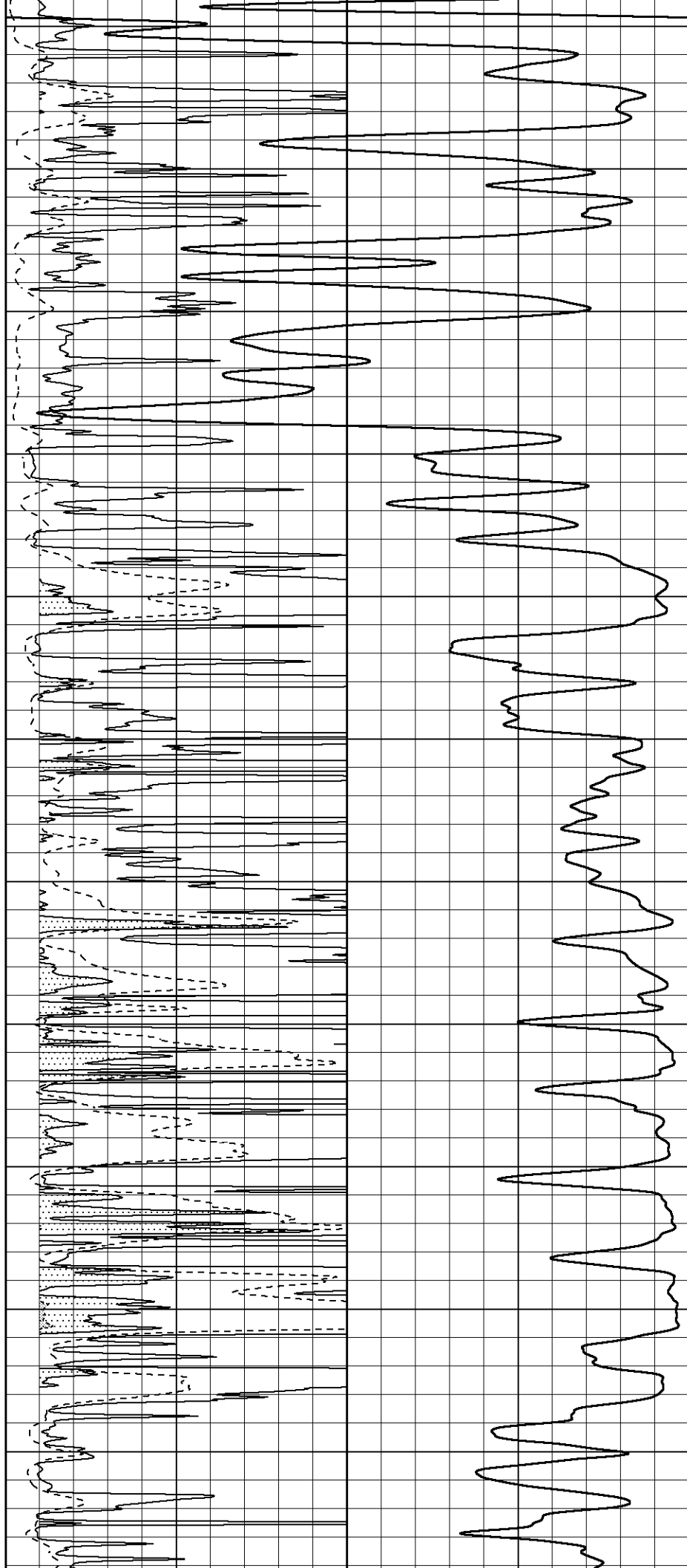
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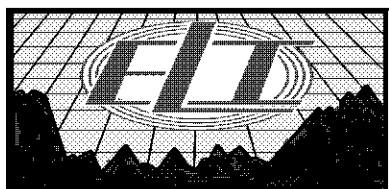
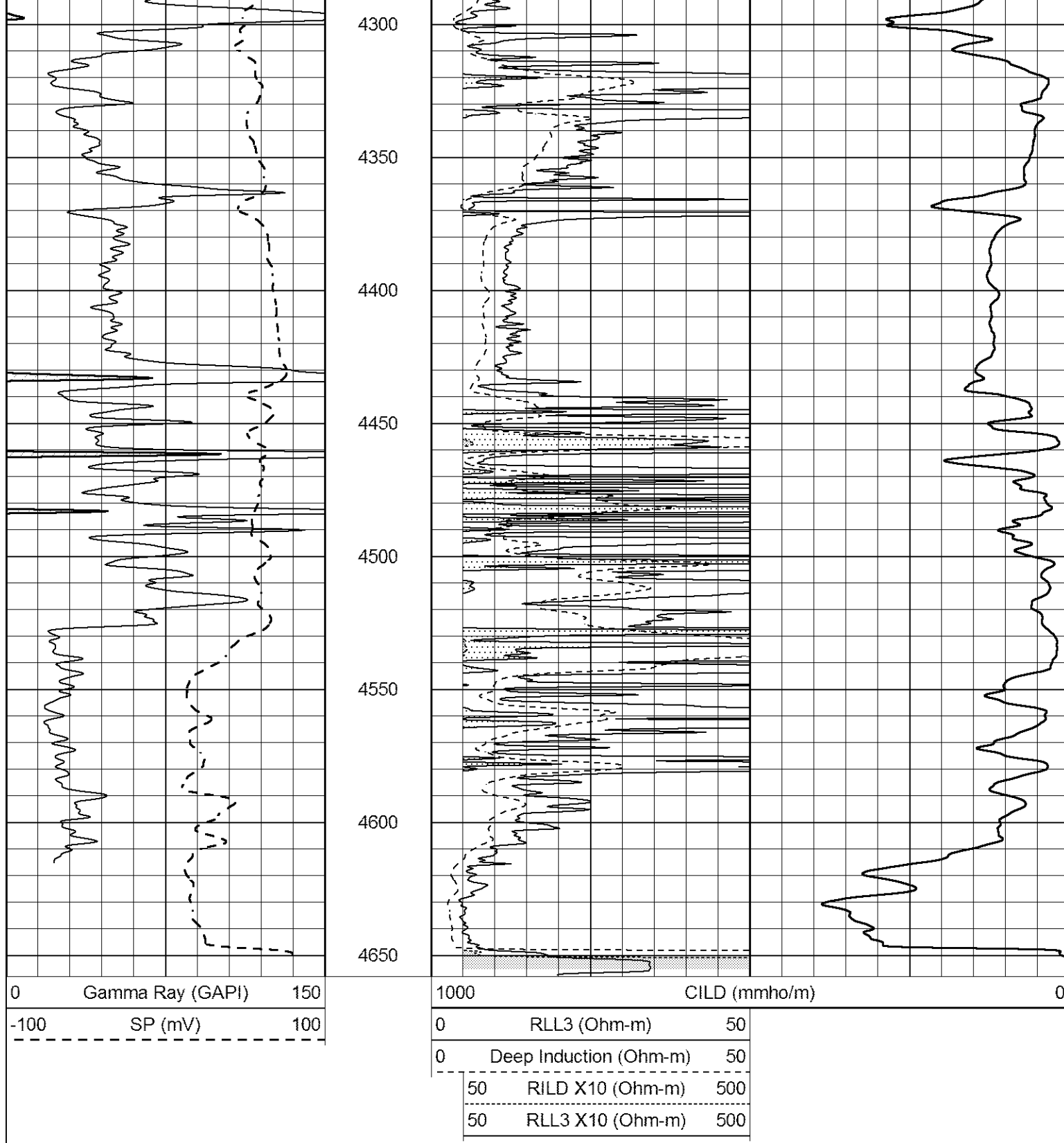
4100

4150

4200

4250

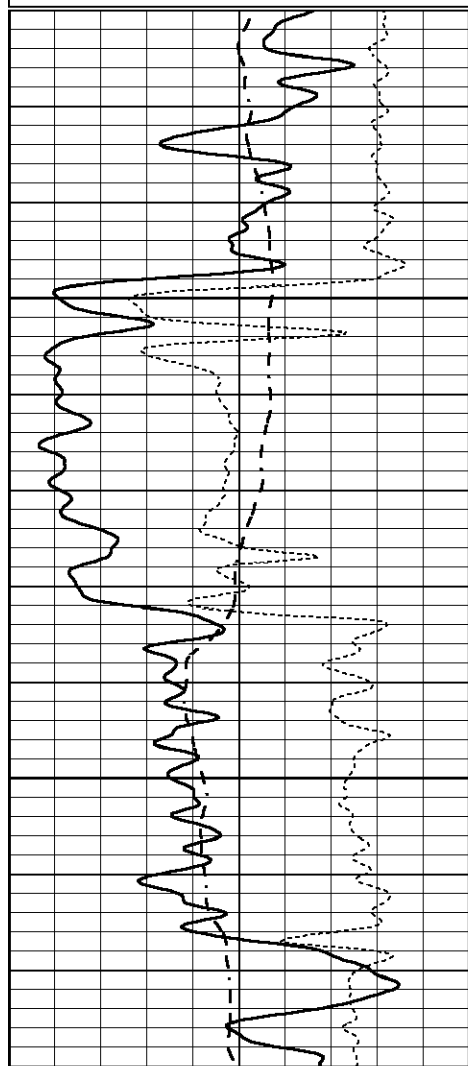




ANHYDRITE

Database File 6244ddn.db
Dataset Pathname pass3.2
Presentation Format _dil
Dataset Creation Tue Feb 22 00:40:10 2022
Charted by Depth in Feet scaled 1:240

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

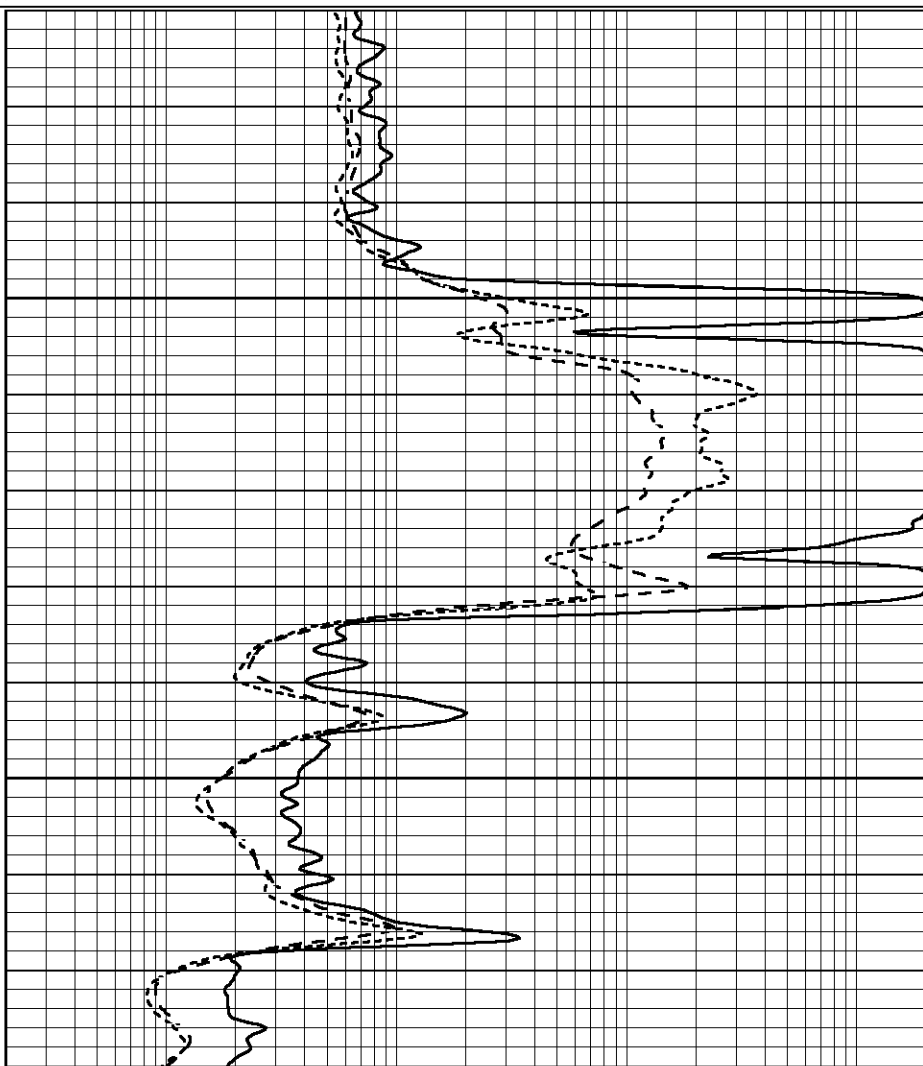


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

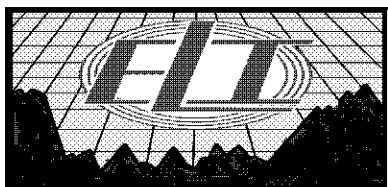
2050

2100

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



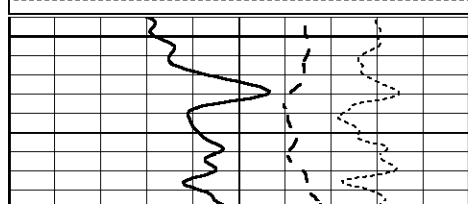
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



MAIN SECTION

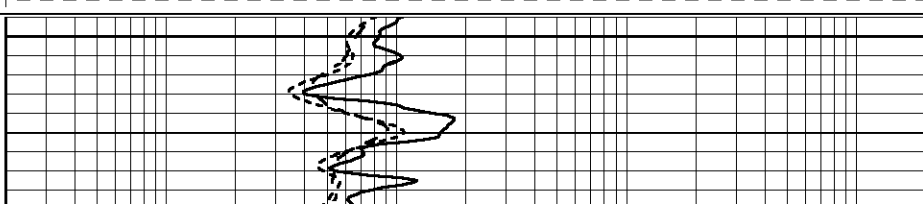
Database File 6244ddn.db
Dataset Pathname pass3.1
Presentation Format _dil
Dataset Creation Tue Feb 22 00:29:19 2022
Charted by Depth in Feet scaled 1:240

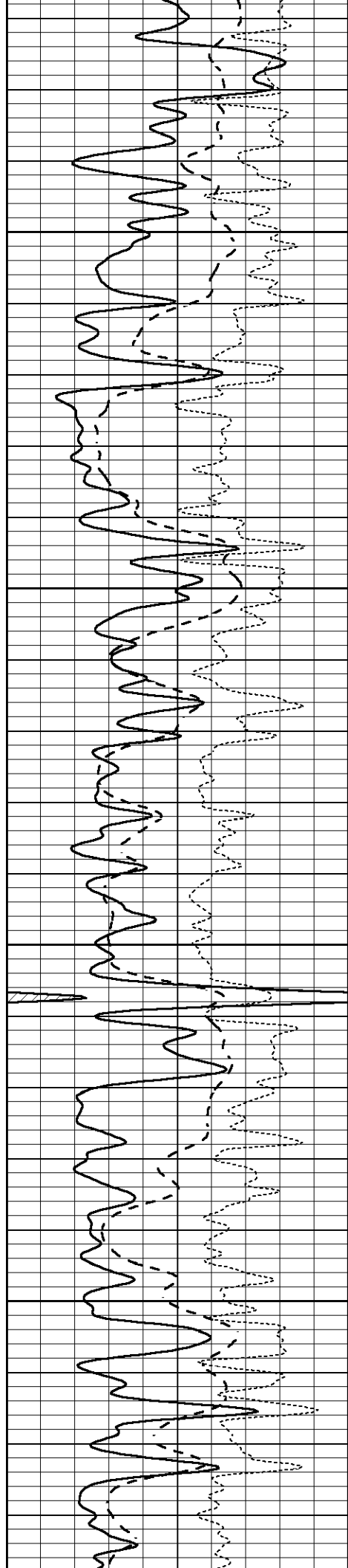
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50



3600

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



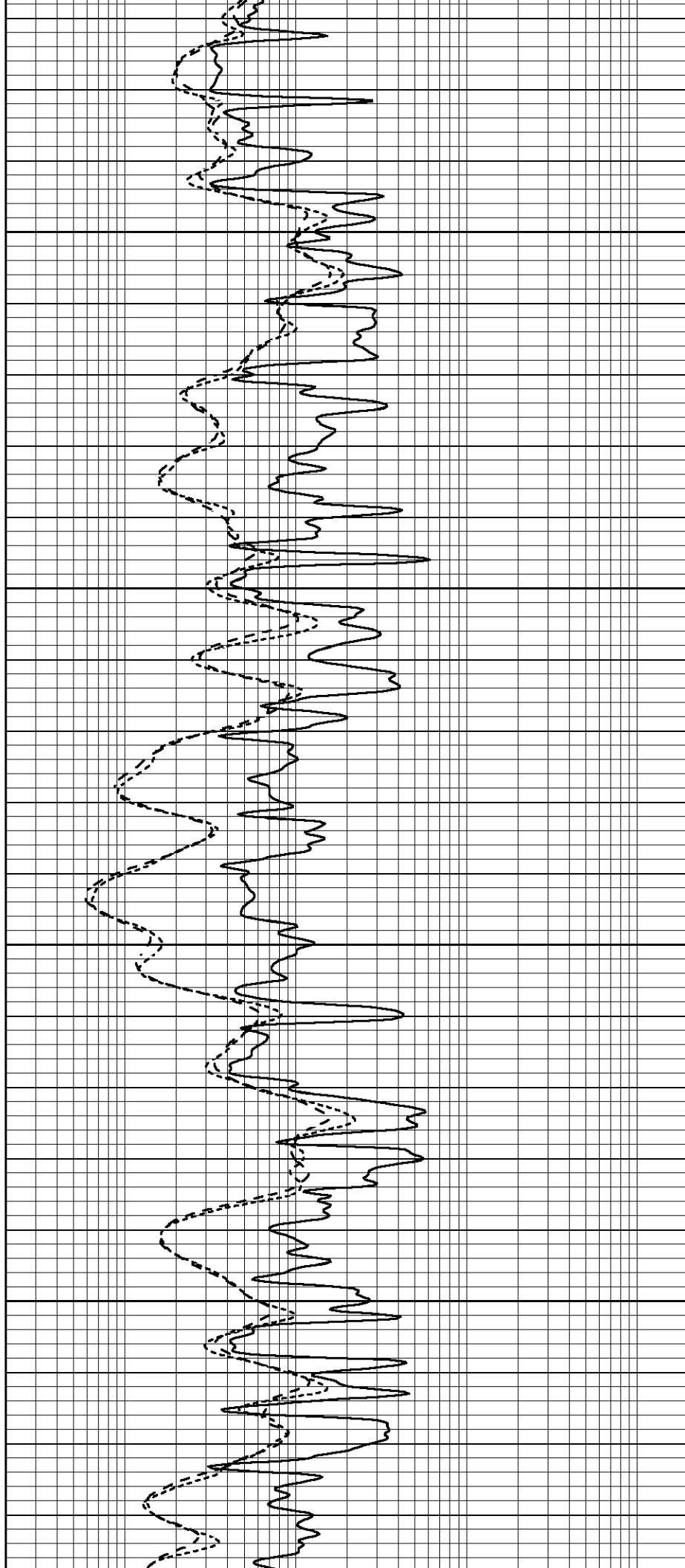


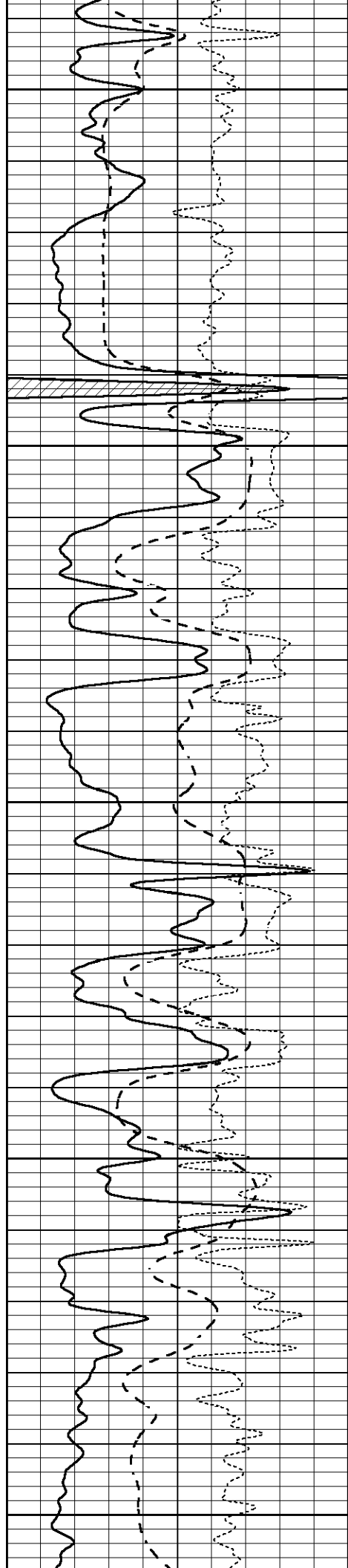
3650

3700

3750

3800





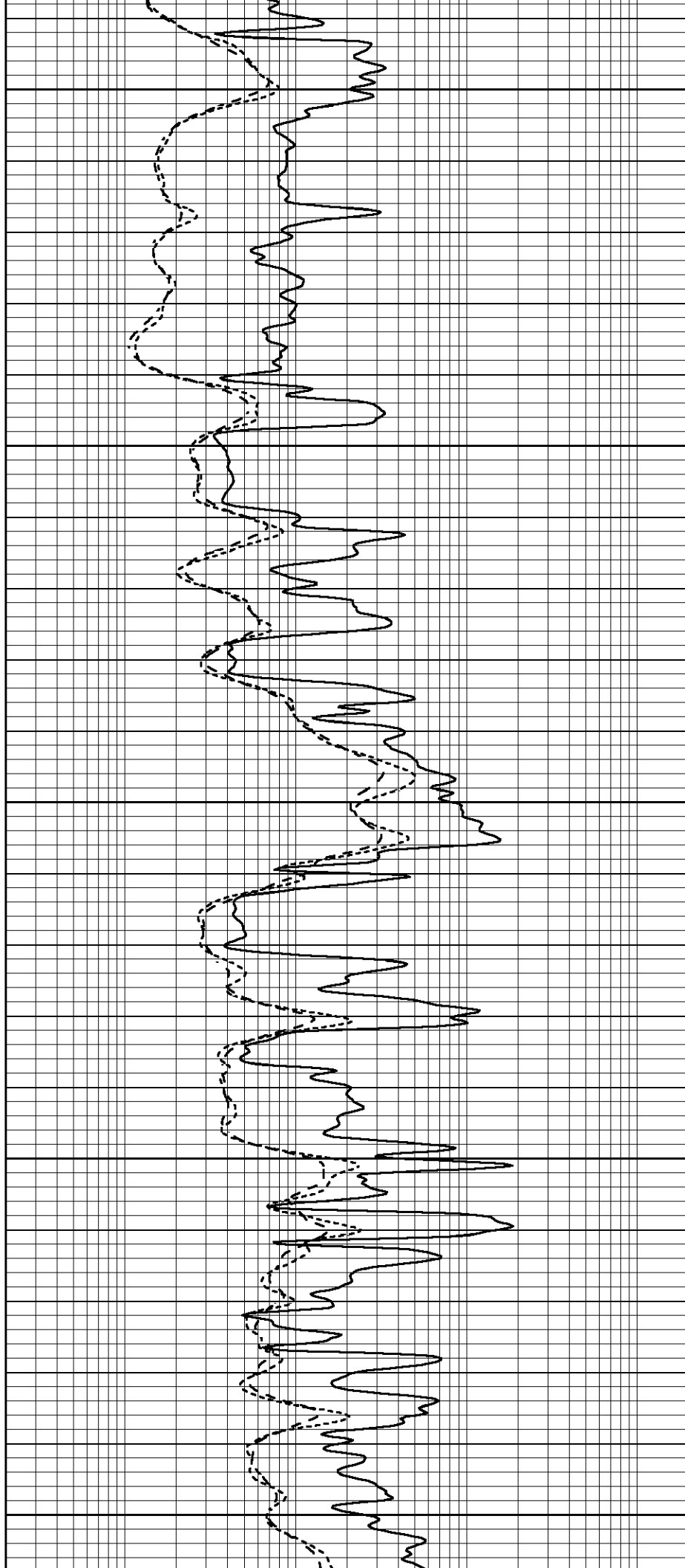
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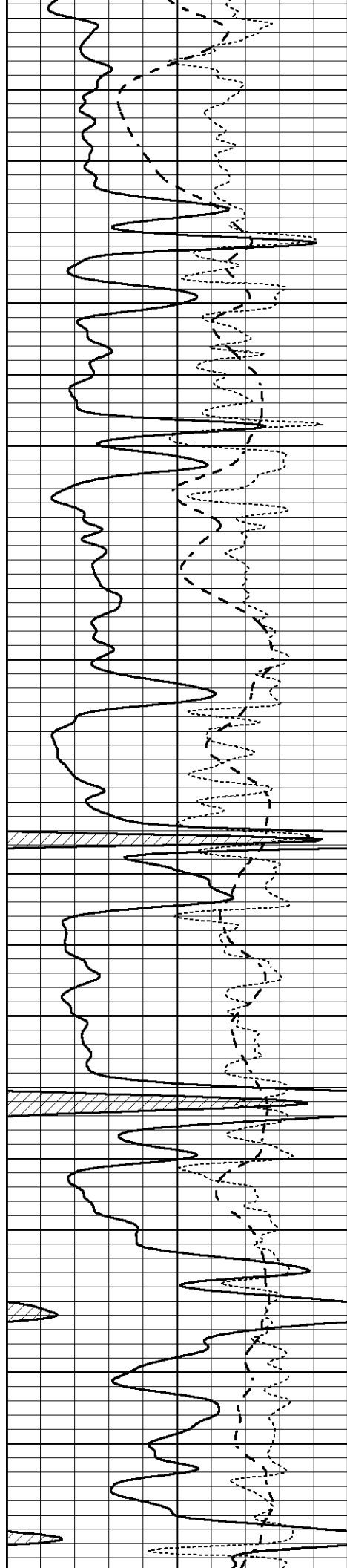
3900

3950

4000

4050



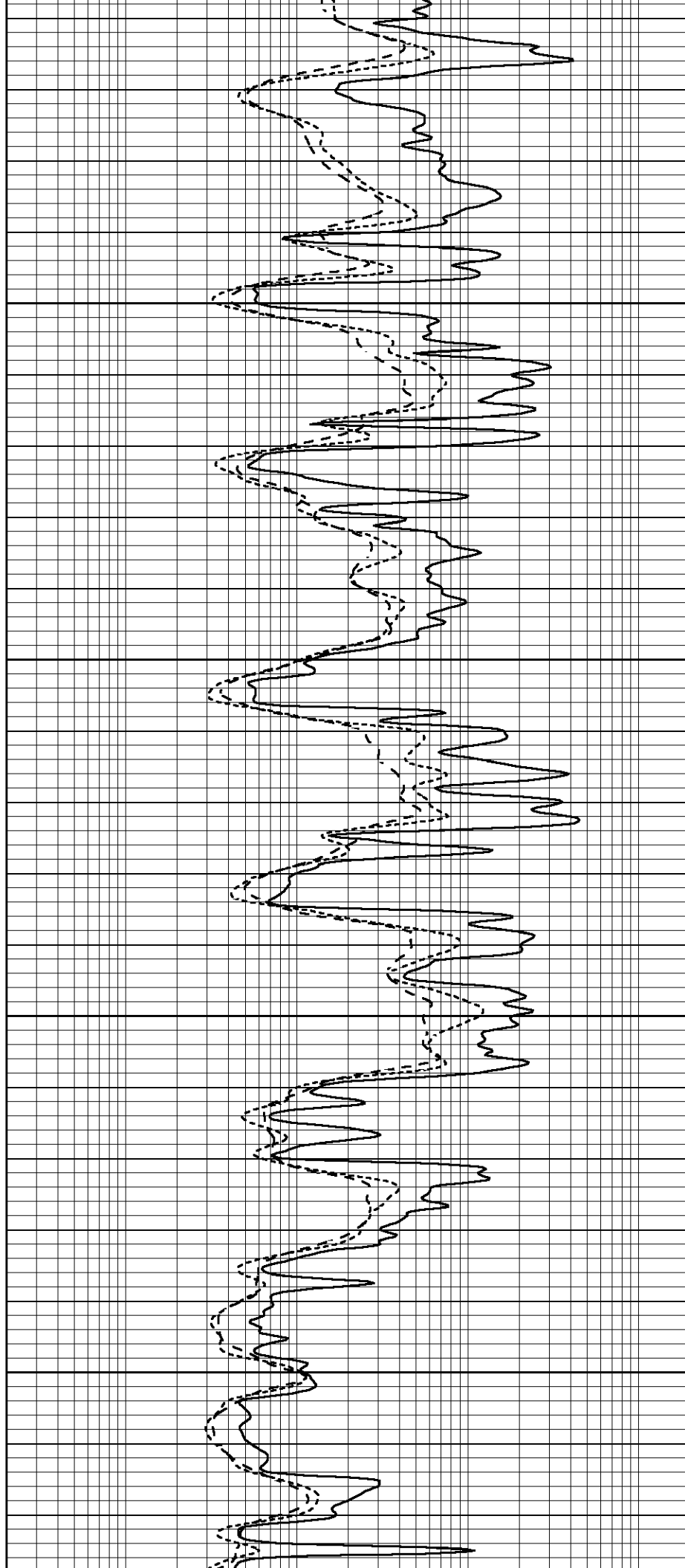


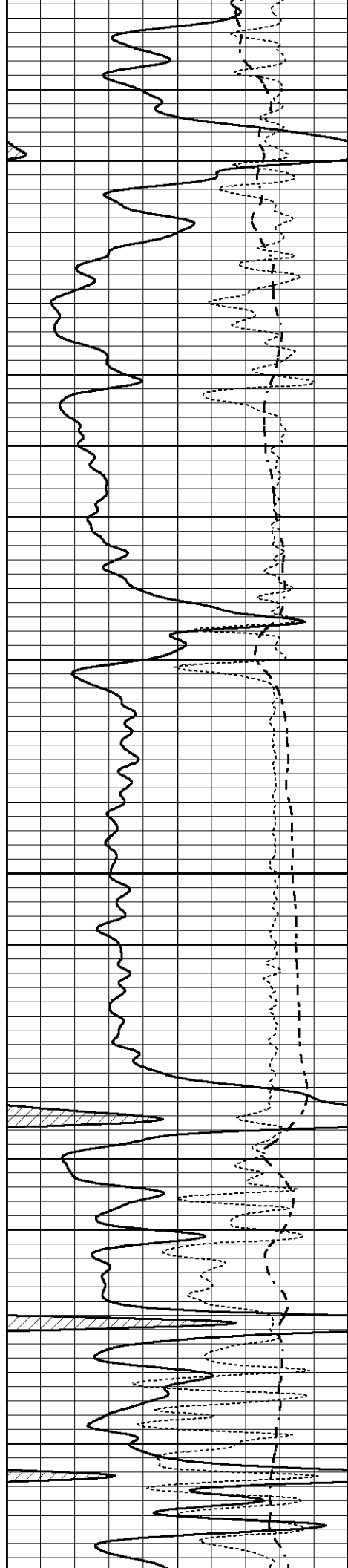
4100

4150

4200

4250



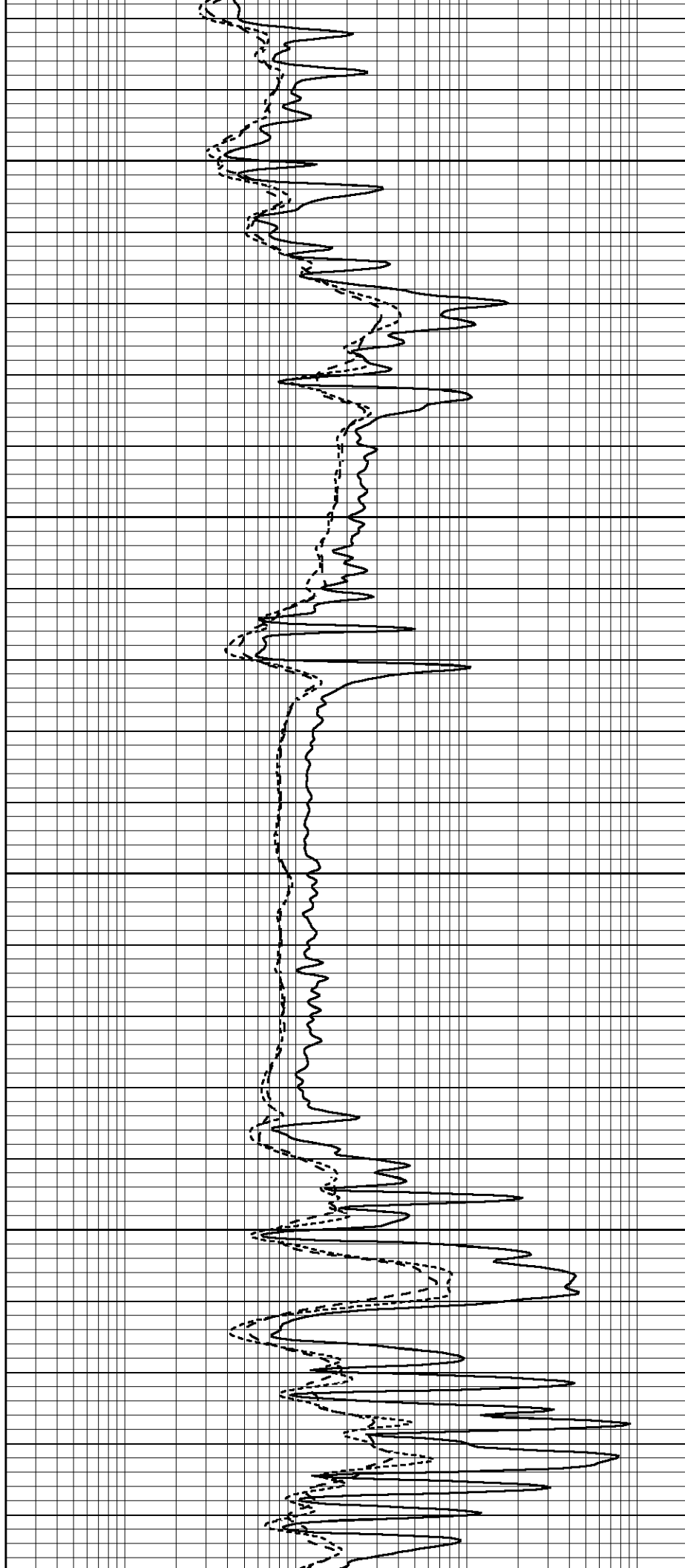


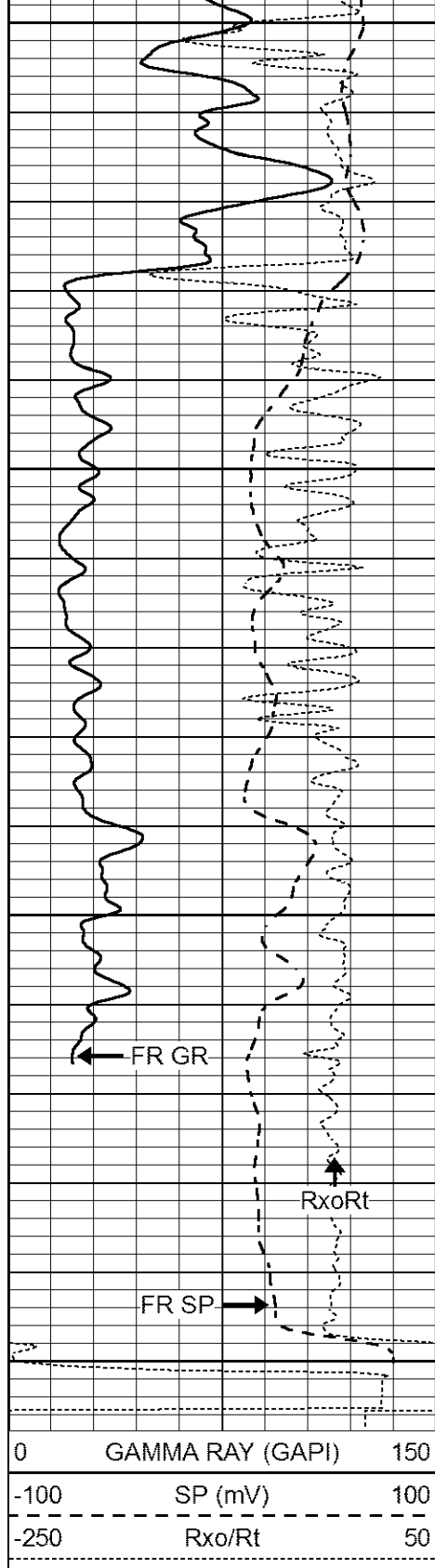
4300

4350

4400

4450





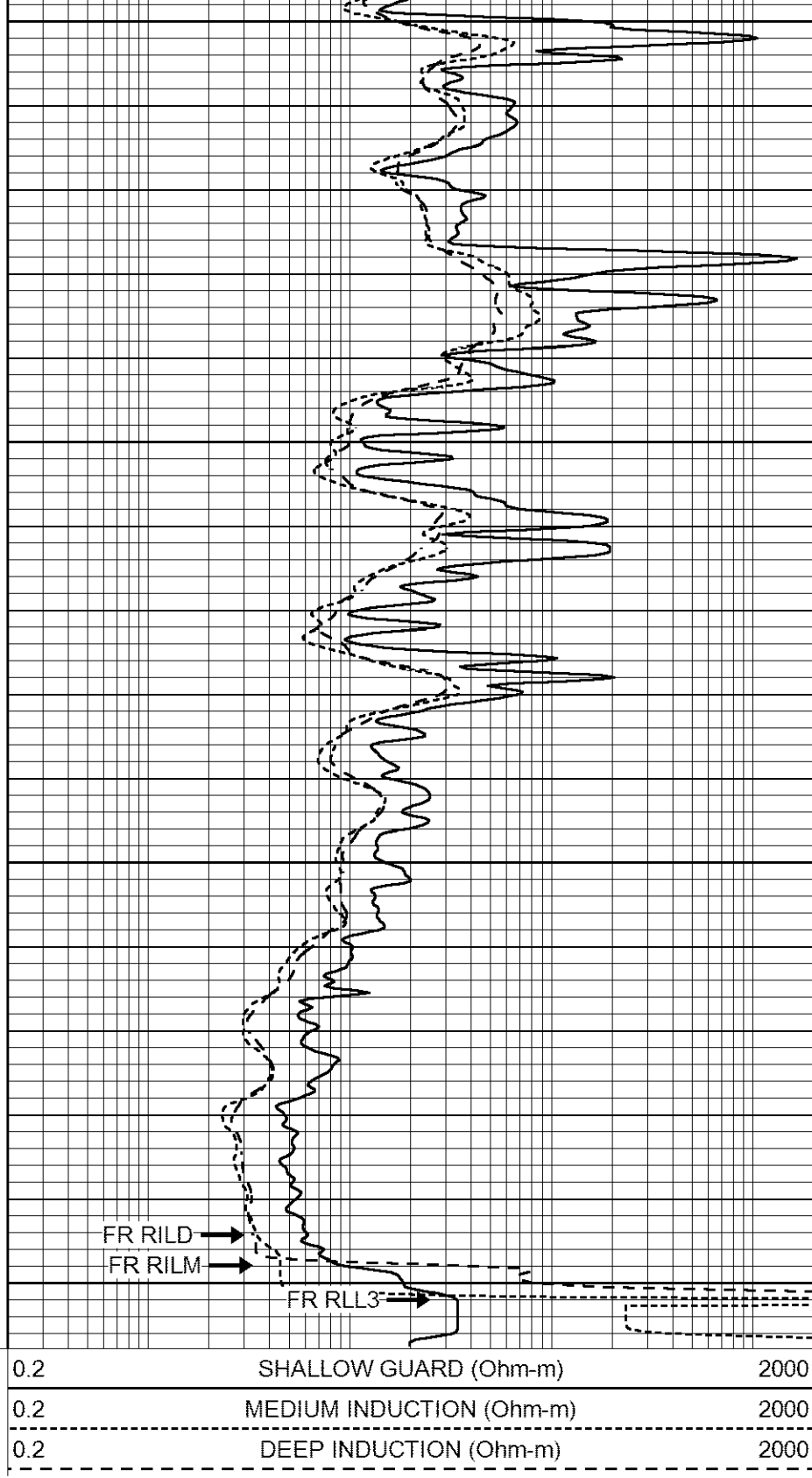
4500

4550

4600

4650

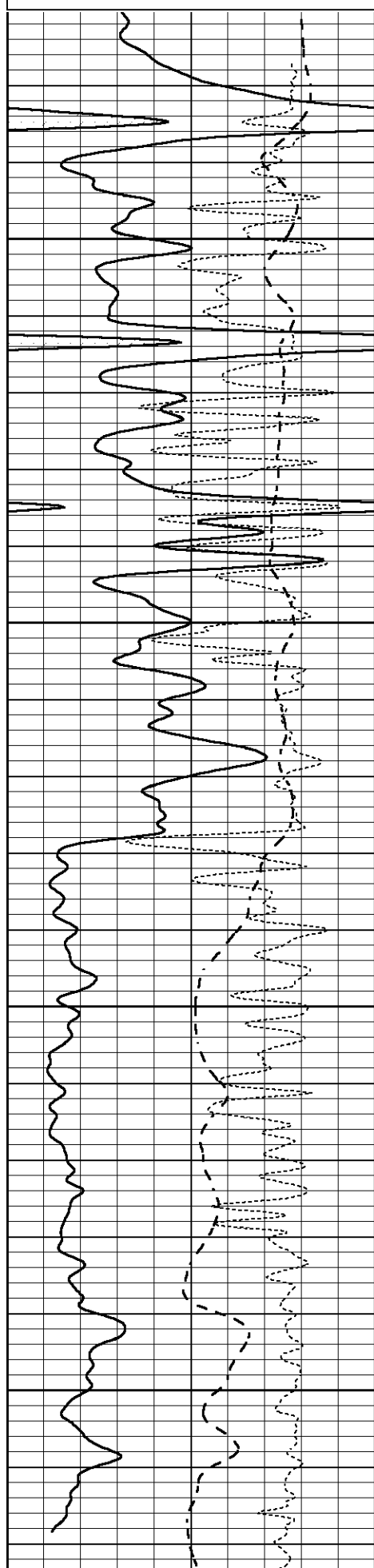
LTD 4654



REPEAT SECTION

Database File 6244ddn.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Tue Feb 22 00:27:38 2022
 Charted by Depth in Feet scaled 1:240

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



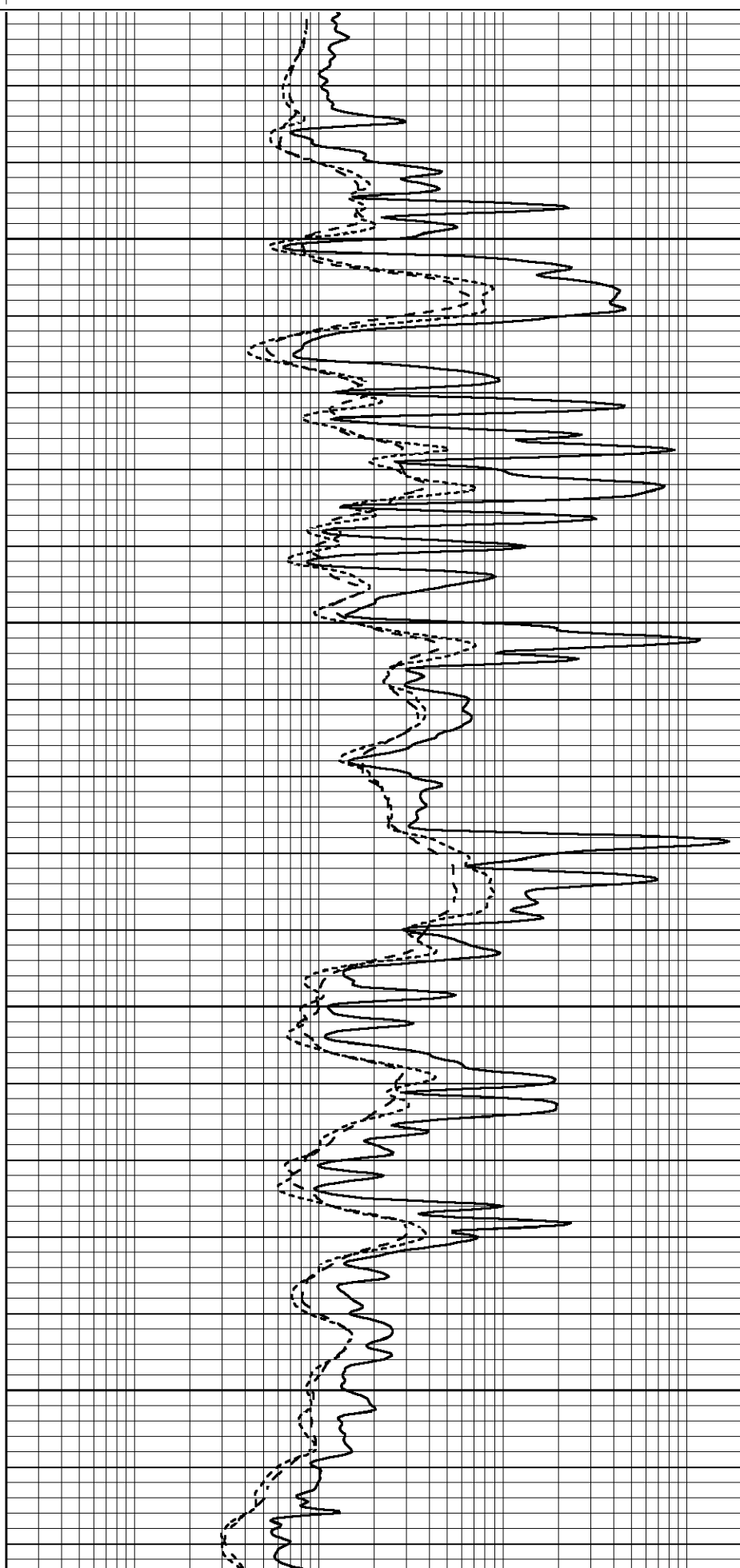
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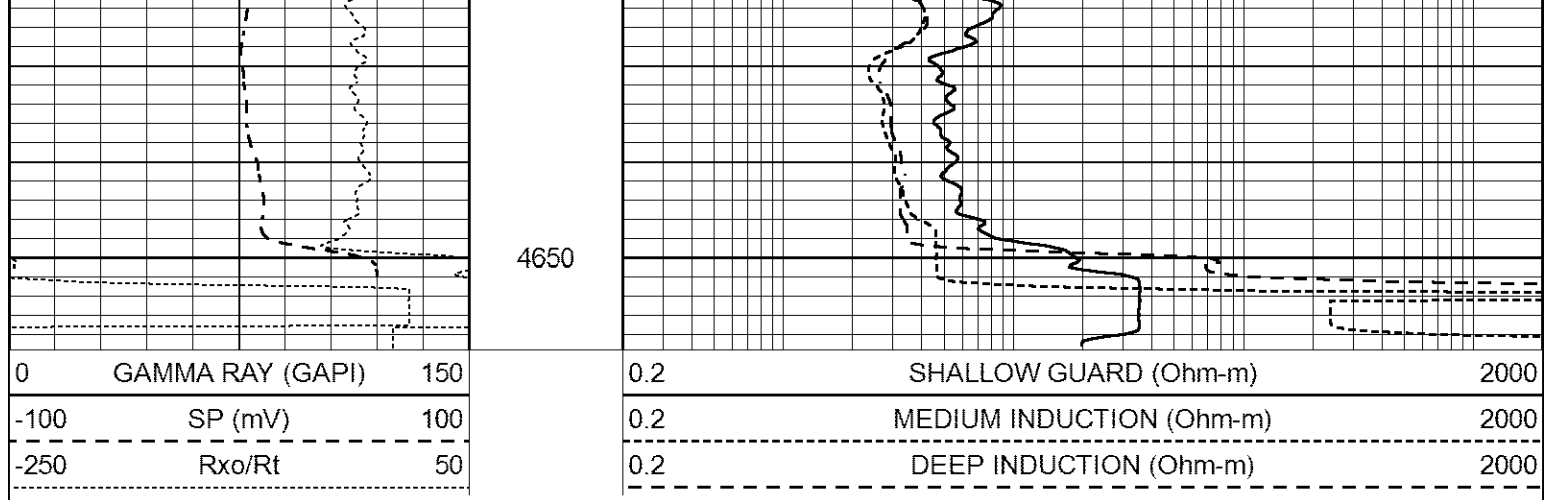
4500

4550

4600

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





Calibration Report

Database File 6244ddn.db
 Dataset Pathname pass3.3
 Dataset Creation Tue Feb 22 01:05:18 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Sat Jan 29 11:57:42 2022
 Downhole Cal Performed: Tue Feb 19 11:44:24 2019
 After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification

Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Serial: 140704
 Model: V4_10P

Master Calibration

Performed: Fri Feb 18 15:41:27 2022

	Background	Aluminum	Magnesium		
Window 1	515.75	5443.58	23734.91	cps	
Window 2	41.45	1226.32	5757.32	cps	
Window 4	224.78	1223.03	5315.97	cps	
Window 5	549.25	7983.61	15349.73	cps	
Window 6	43.12	1271.88	2496.98	cps	
Window 8	261.02	2595.65	4928.92	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8571	SS Alpha:	: -0.7875	LS CPE:	: 1.1396
LS Beta:	: 128618.9672	SS Beta:	: 18780.4869	SS CPE:	: 1.5966

Before Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration

Performed: Fri Feb 18 15:41:27 2022

Results	Readings	References (in)		Gain	Offset
Low	High	Low	High		
8107.9	11082.1	8.0	14.0	0.0	-7.8

Before Survey Caliper Verification

Performed:

Reference	Reading
_____	_____
Caliper (in)	

After Survey Caliper Verification

Performed:

Reference	Reading
_____	_____
Caliper (in)	

Compensated Neutron Calibration Report

Serial Number: 080621PMC

Tool Model:

NABORS

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:

7

Tool Model:

Probe1

Performed:

Tue Jan 19 17:50:08 2021

Calibrator Value:

1.0

GAPI

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.5300

GAPI/cps