



DUAL INDUCTION LOG

Company		TRI UNITED, INC.	
Well		VINE #2	
Field		SOLOMON SOUTHEAST	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-27101-0000	
Permanent Datum		GROUND LEVEL Elevation 2097	
Log Measured From		KELLY BUSHING 7' A.G.L	
Drilling Measured From		KELLY BUSHING	
SEC 35 TWP 11S RGE 19W		CDL/CNL MEL	
Elevation		K.B. 2104 D.F. 2102 G.L. 2097	
Date	10/27/23		
Run Number	ONE		
Depth Driller	3654		
Depth Logger	3658		
Bottom Logged Interval	3656		
Top Log Interval	00		
Casing Driller	8.625 @ 225		
Casing Logger	225		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2.800 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/5.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 65F		
Rmf @ Meas. Temp	.900 @ 65F		
Rmc @ Meas. Temp	1.44 @ 65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.690 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	7.45 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	LYLE HERRMAN	EUGENE LEIKER	

<<< Fold Here >>>

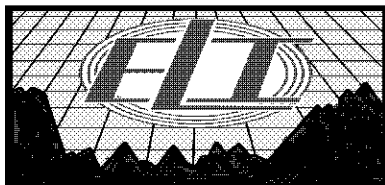
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:

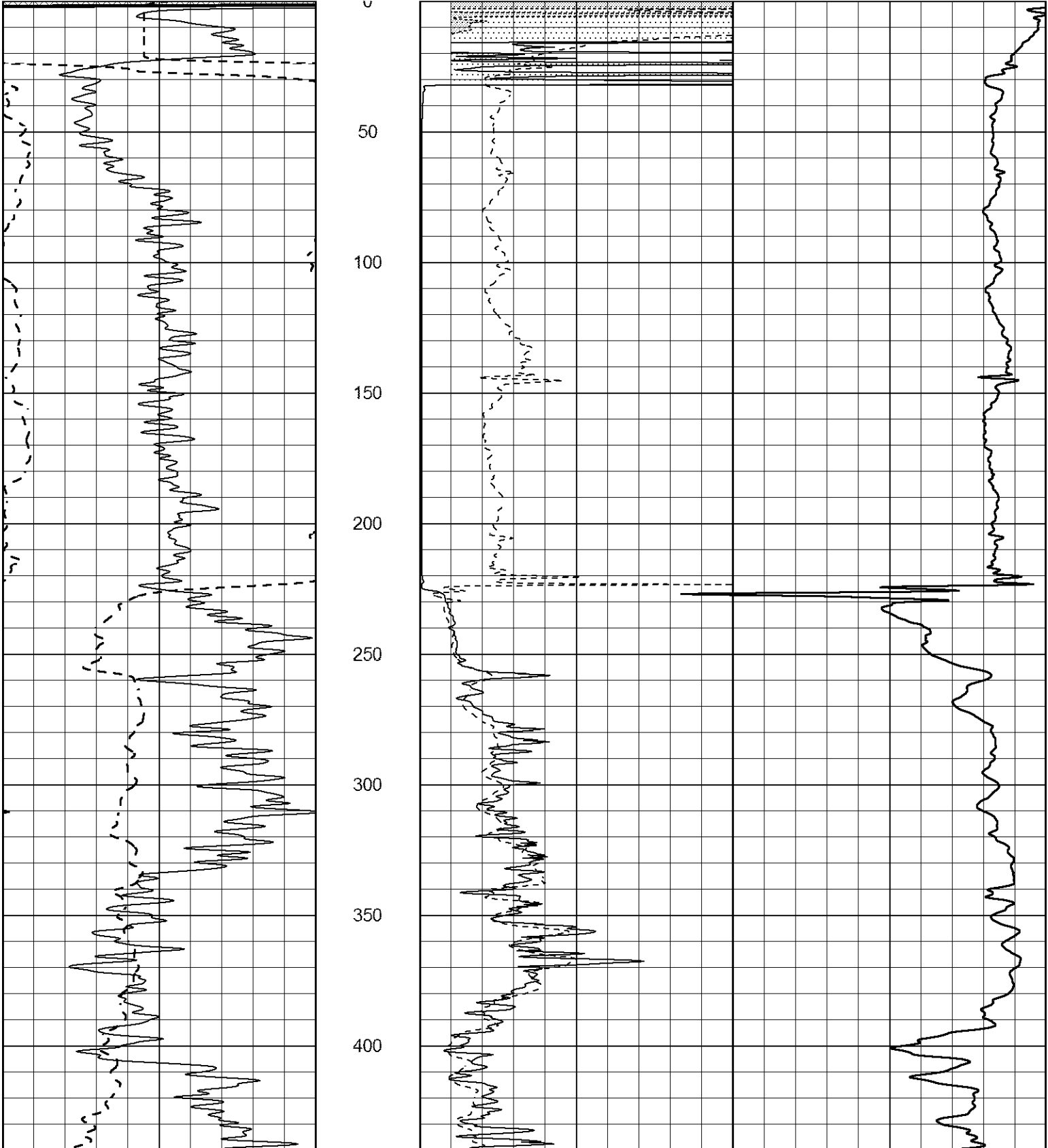
FROM HAYS, KANSAS GO NORTH ON HIGHWAY 183 TO BUCKEYE ROAD, WEST TO ROAD HYACIN
NORTH 3 1/2 MILES, WEST INTO

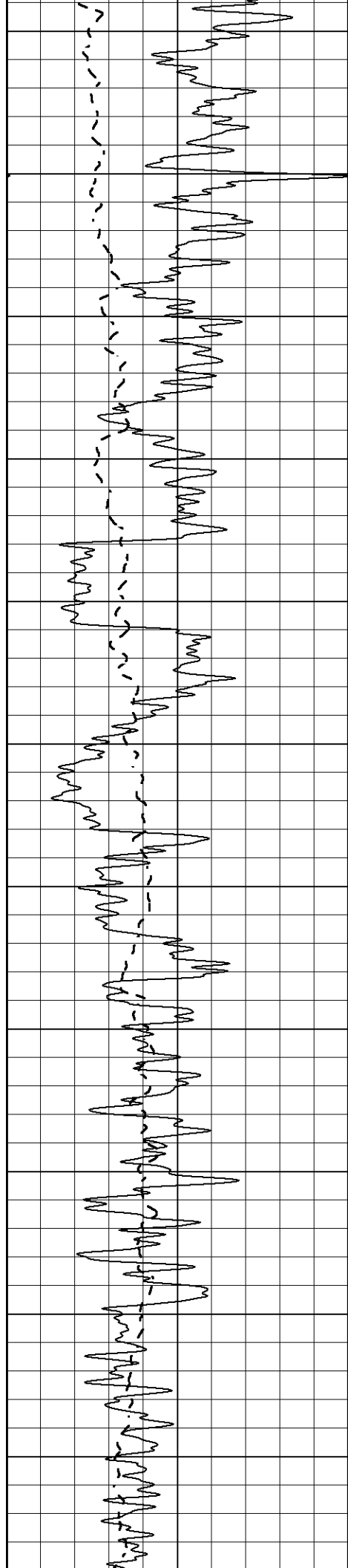


MAIN SECTION

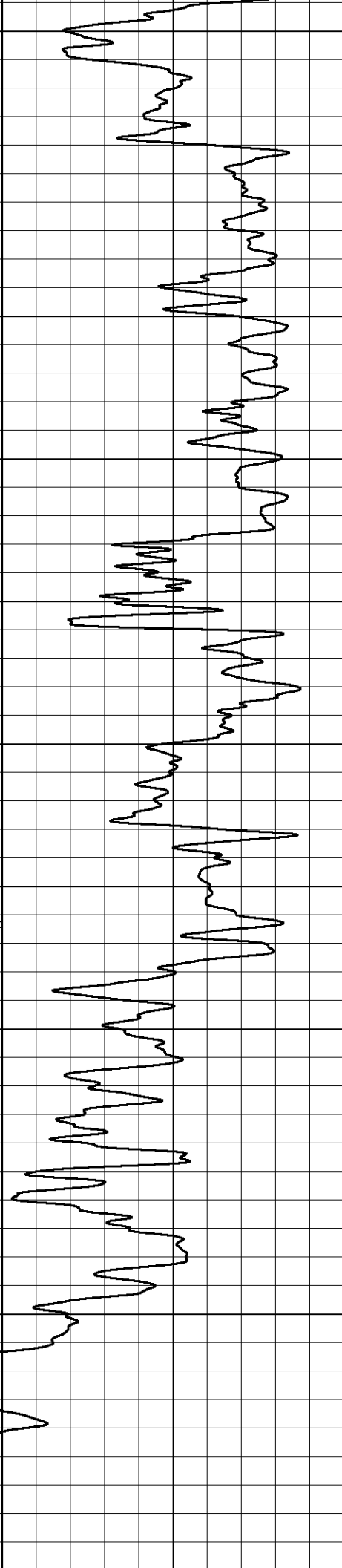
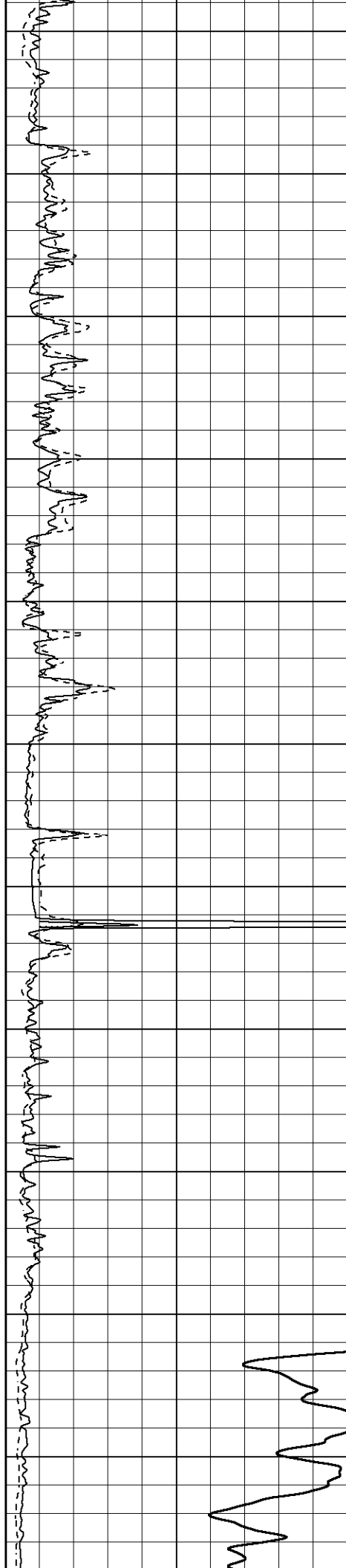
Database File	7788ddn.db
Dataset Pathname	pass4M
Presentation Format	_dil2
Dataset Creation	Fri Oct 27 20:52:19 2023
Charted by	Depth in Feet scaled 1:600

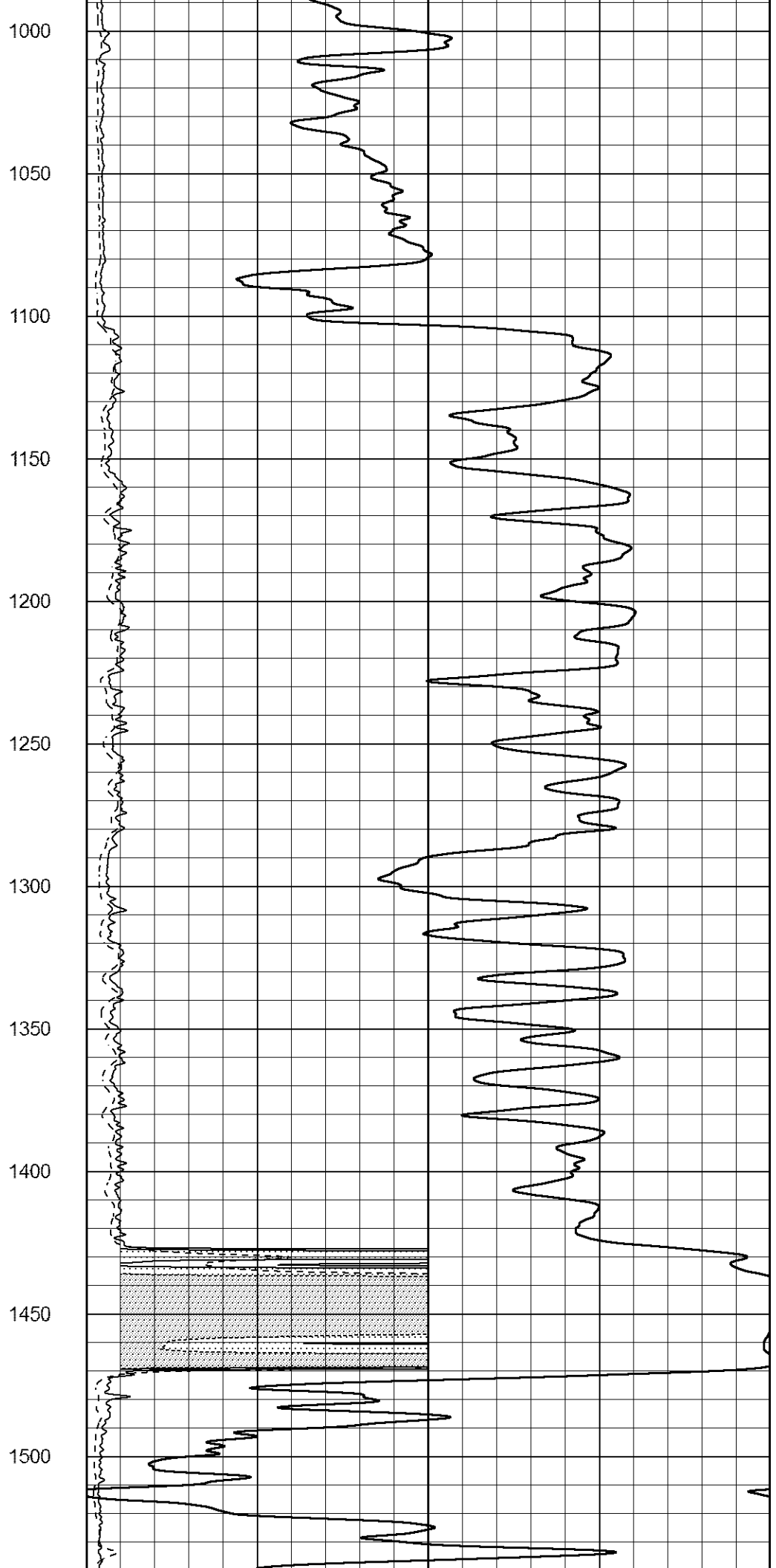
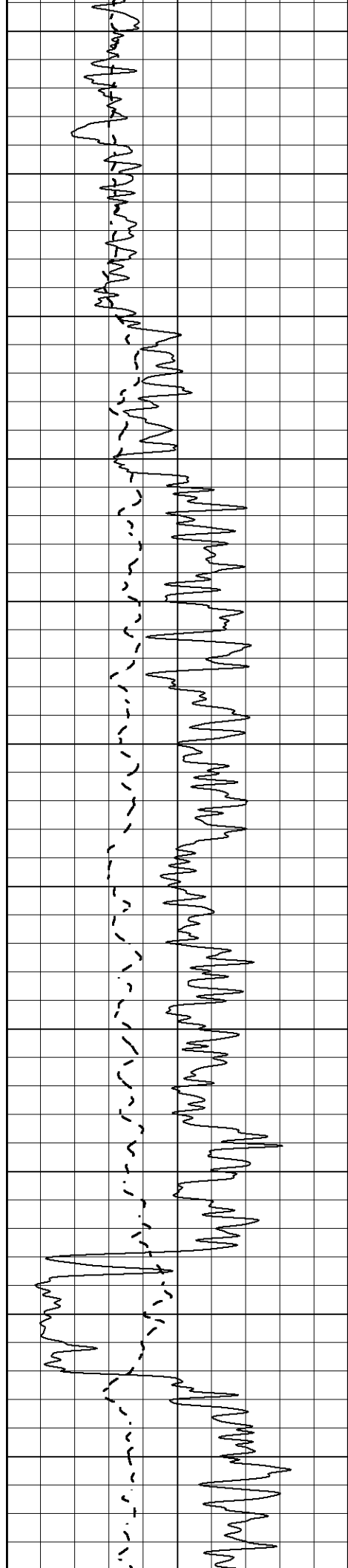
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

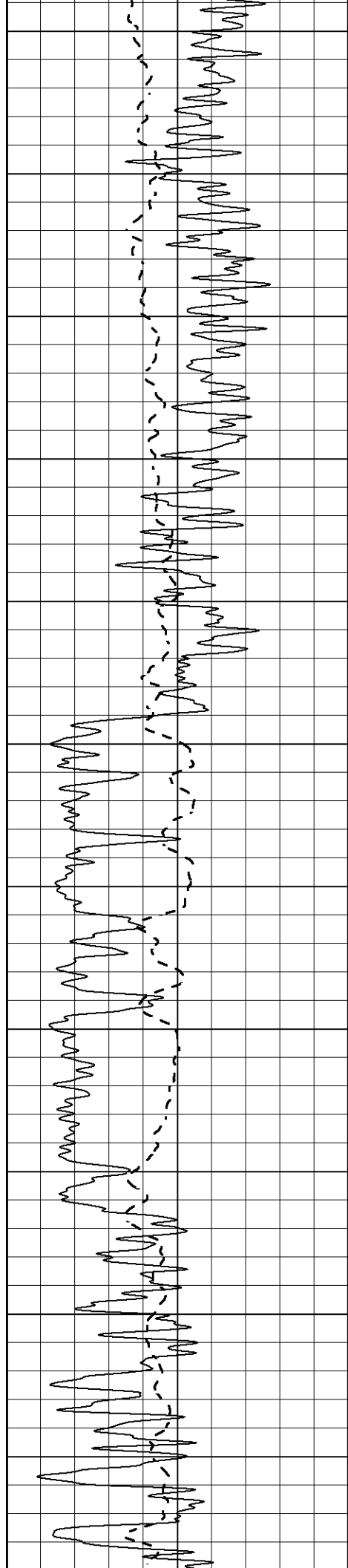




450
500
550
600
650
700
750
800
850
900
950







1550

1600

1650

1700

1750

1800

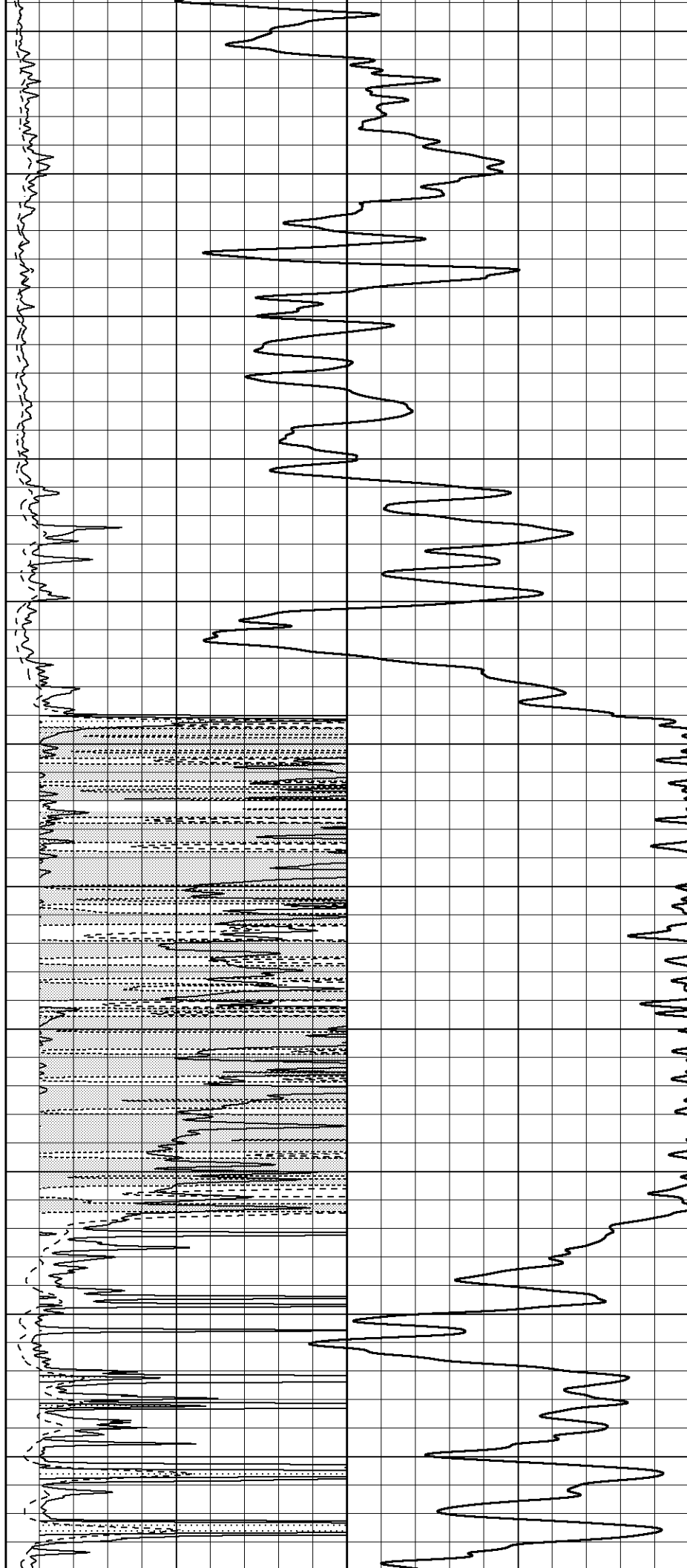
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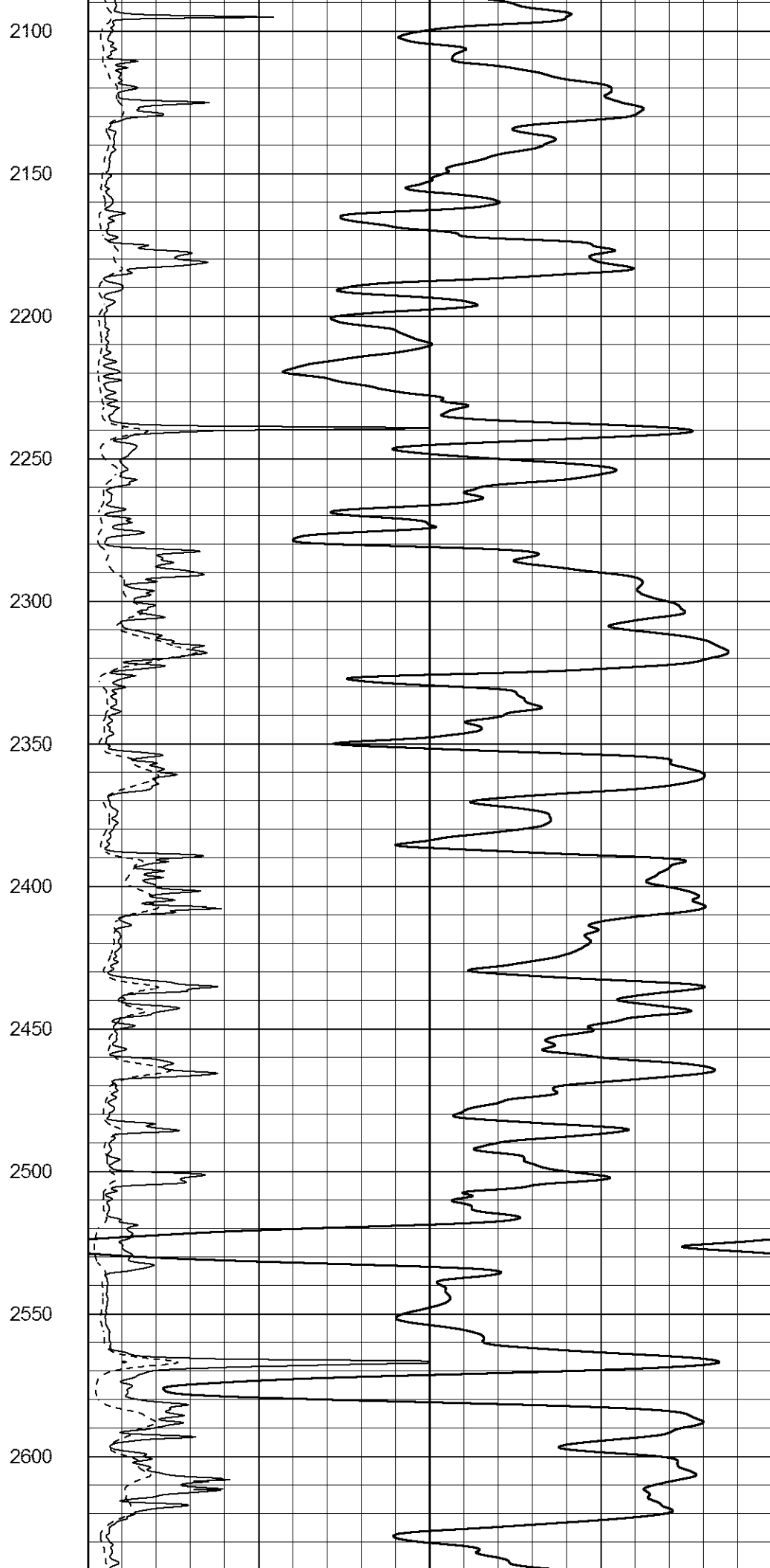
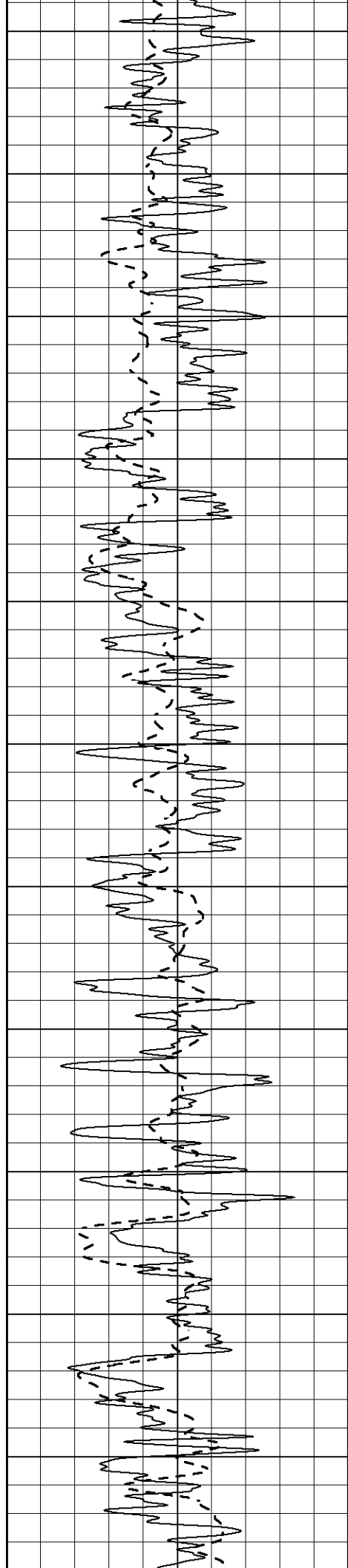
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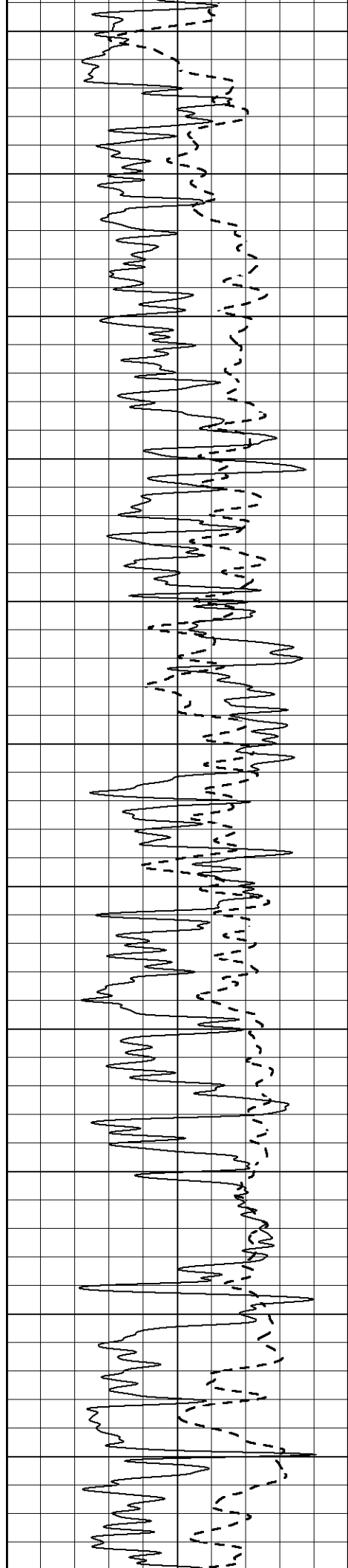
1950

2000

2050







2650

2700

2750

2800

2850

2900

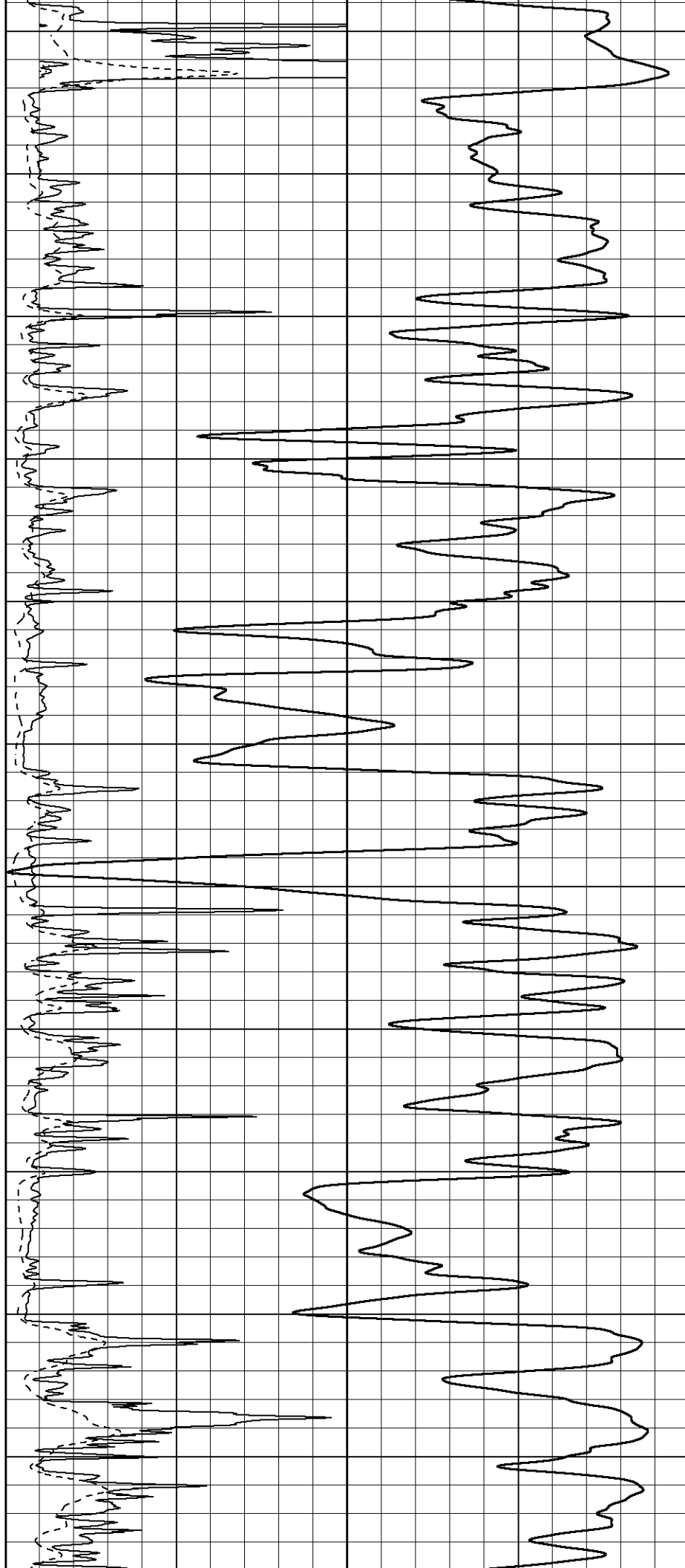
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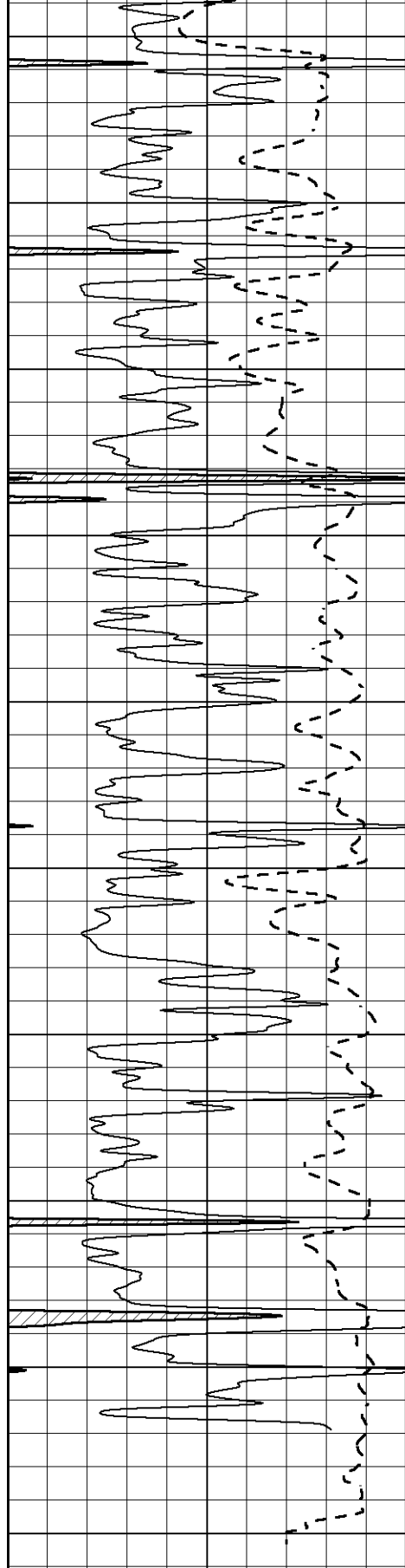
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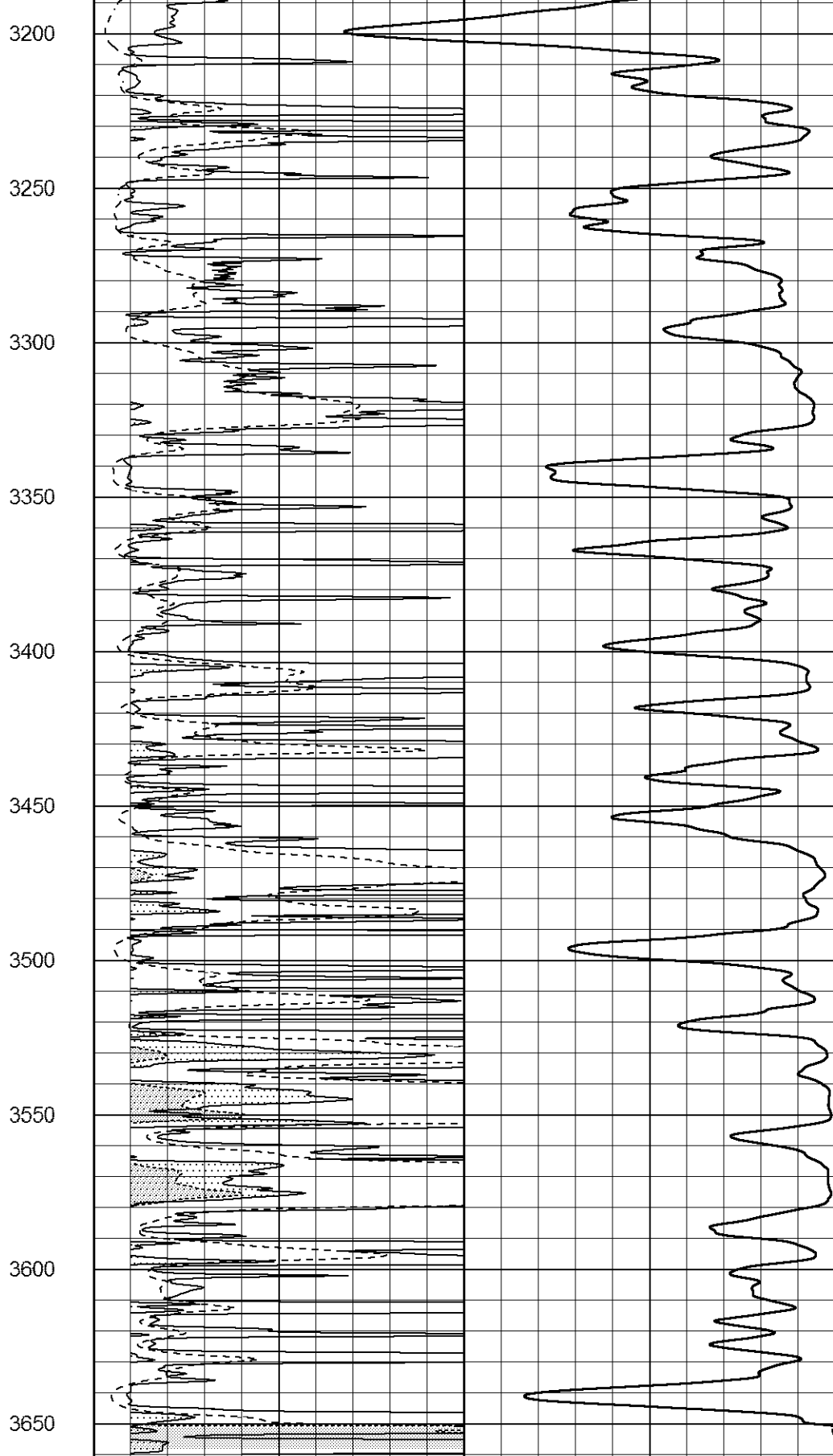
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3150

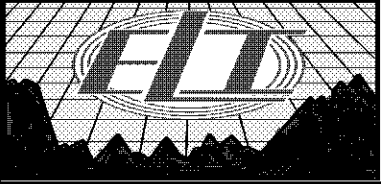




0 Gamma Ray (GAPI) 150
 -100 SP (mV) 100



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

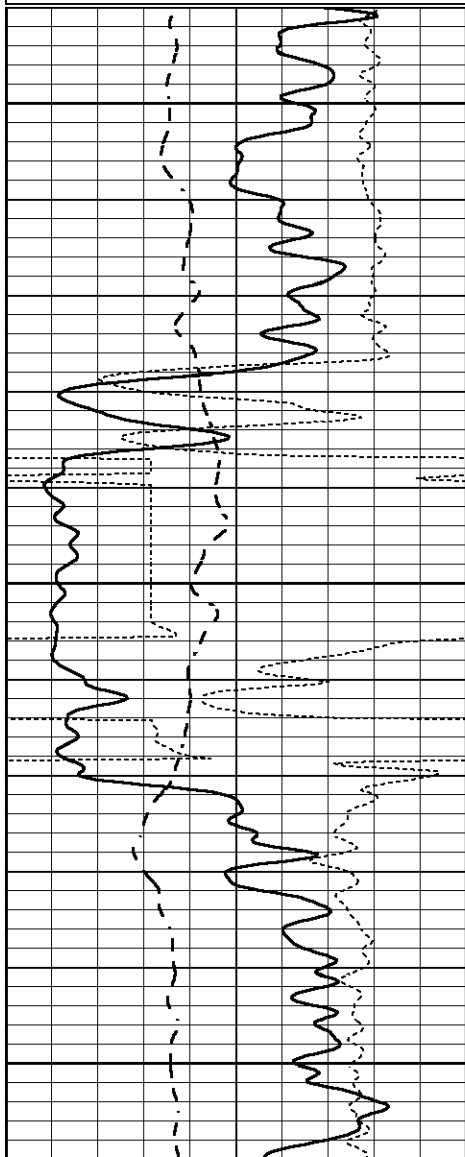


ANHYDRITE

Database File 7788ddn.db
Dataset Pathname pass4A
Presentation Format _dil
Dataset Creation Fri Oct 27 20:53:05 2023
Charted by Depth in Feet scaled 1:240

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

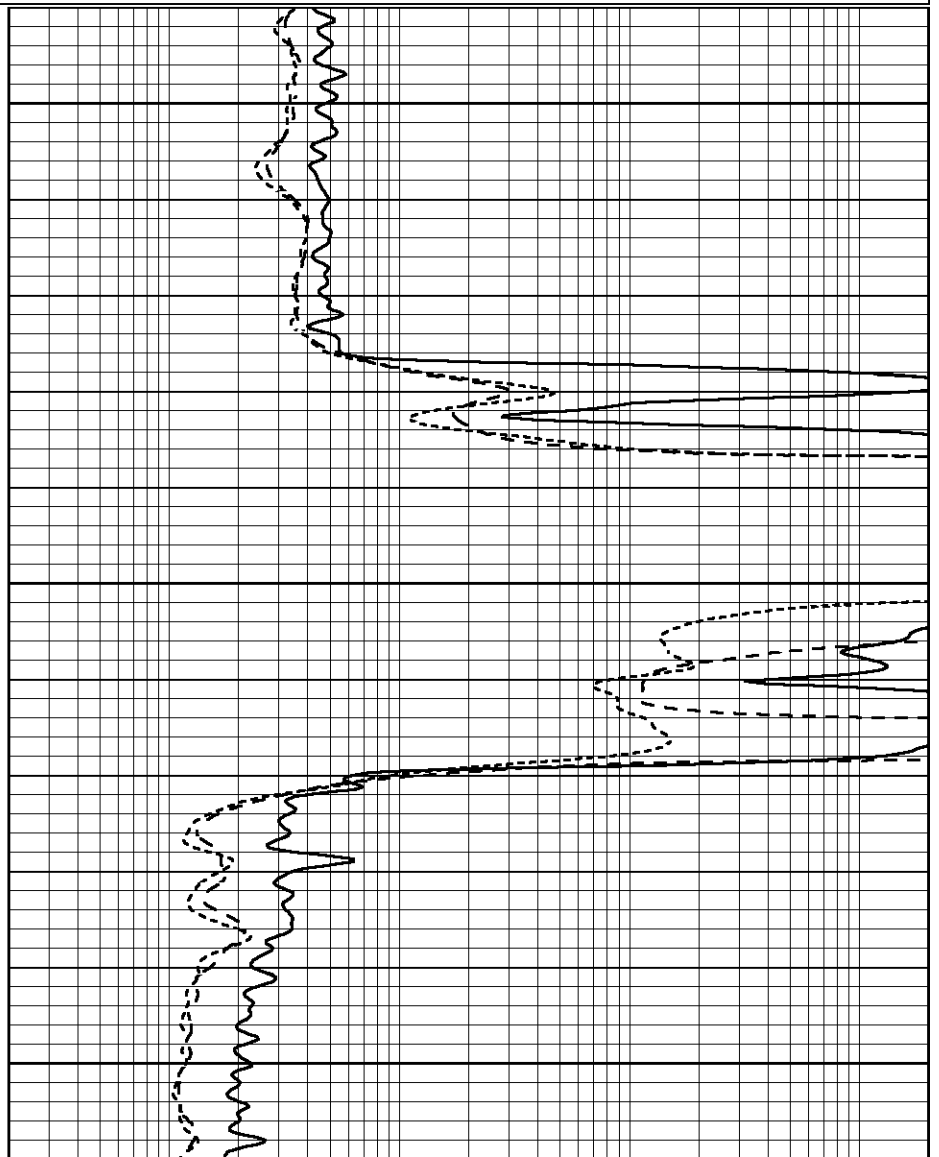
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



1400

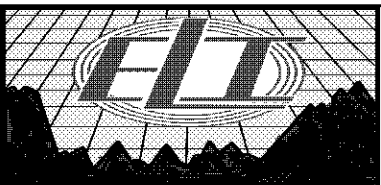
1450

1500



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

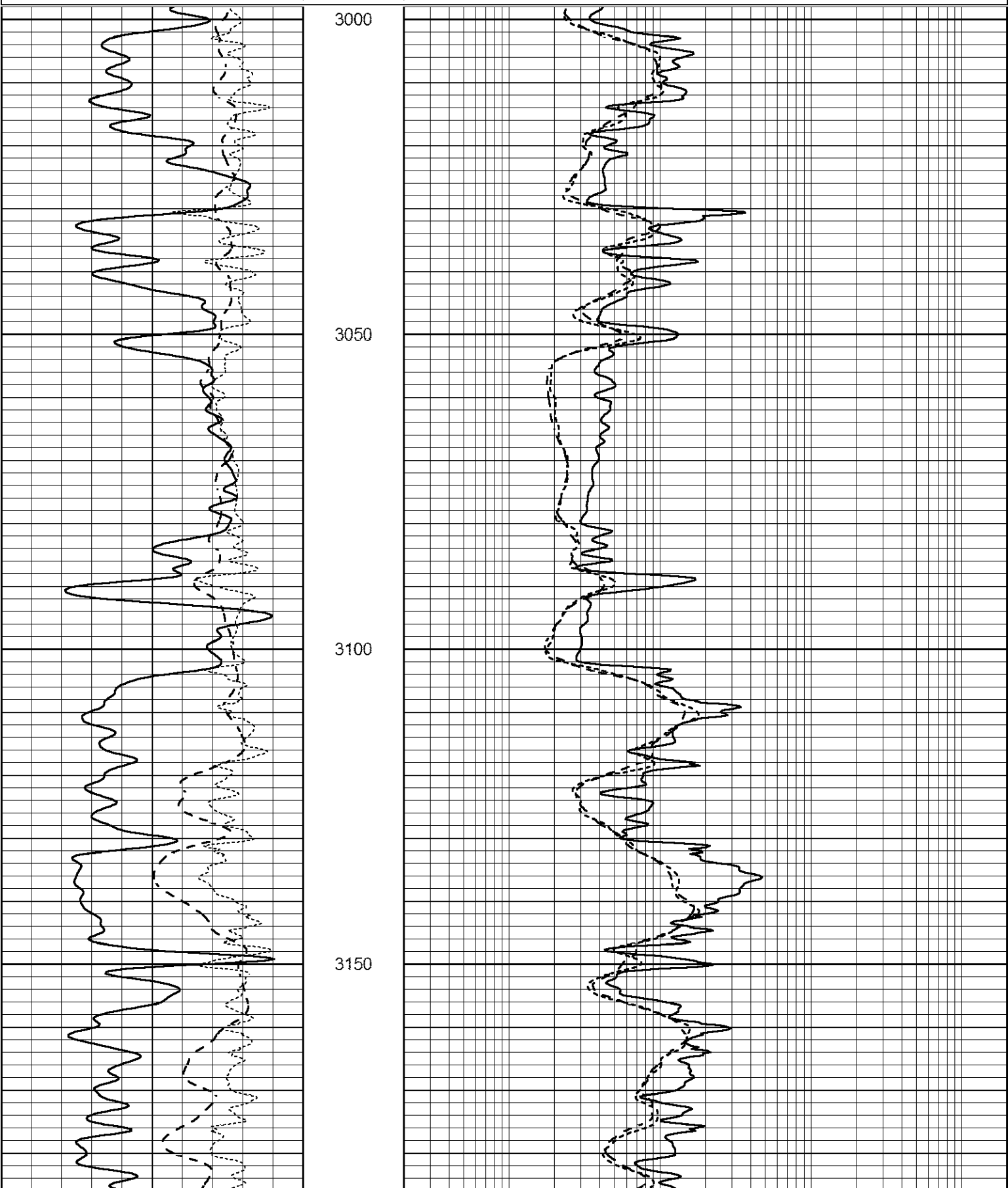
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

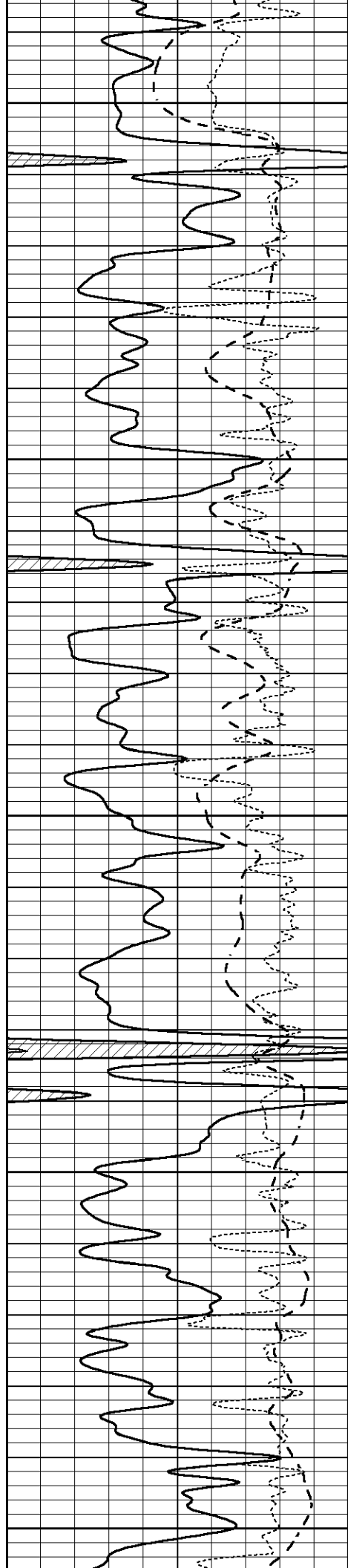


MAIN SECTION

Database File 7788ddn.db

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000





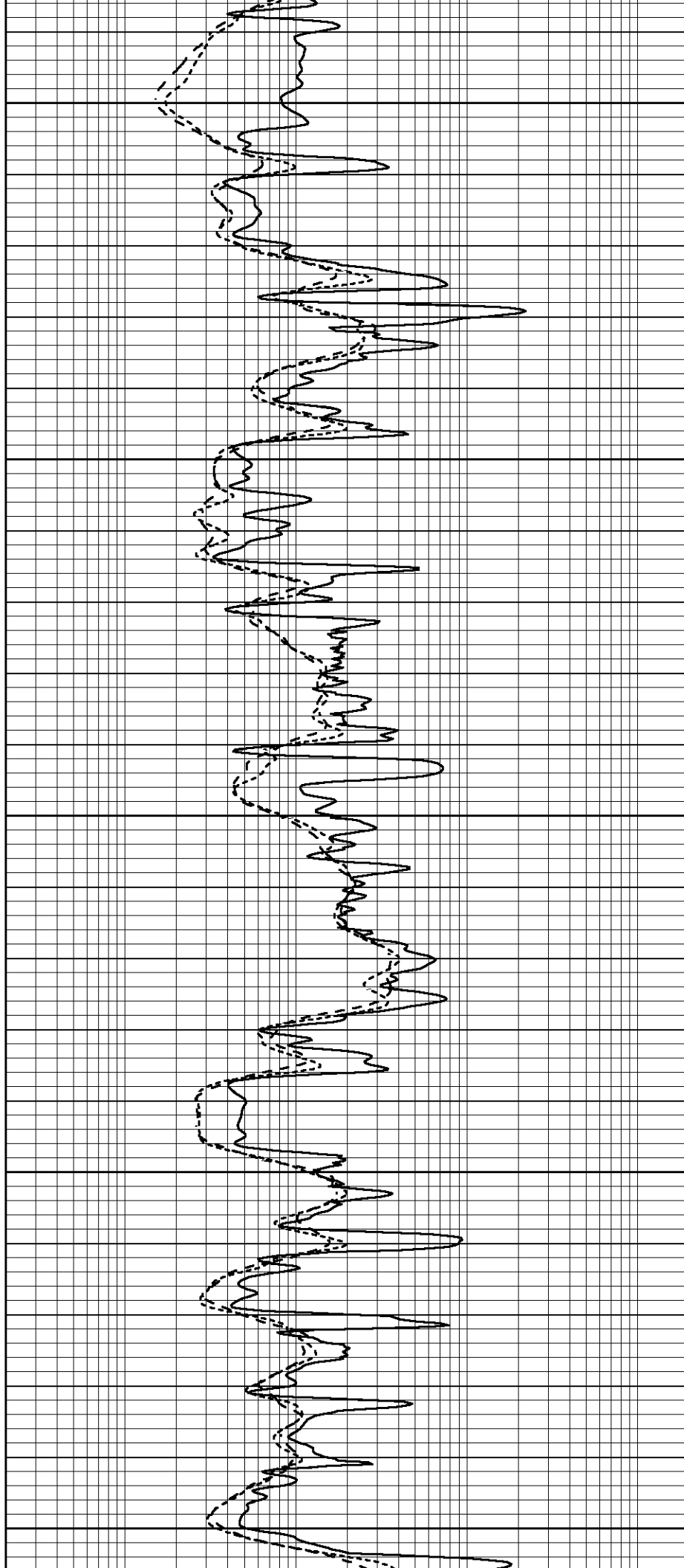
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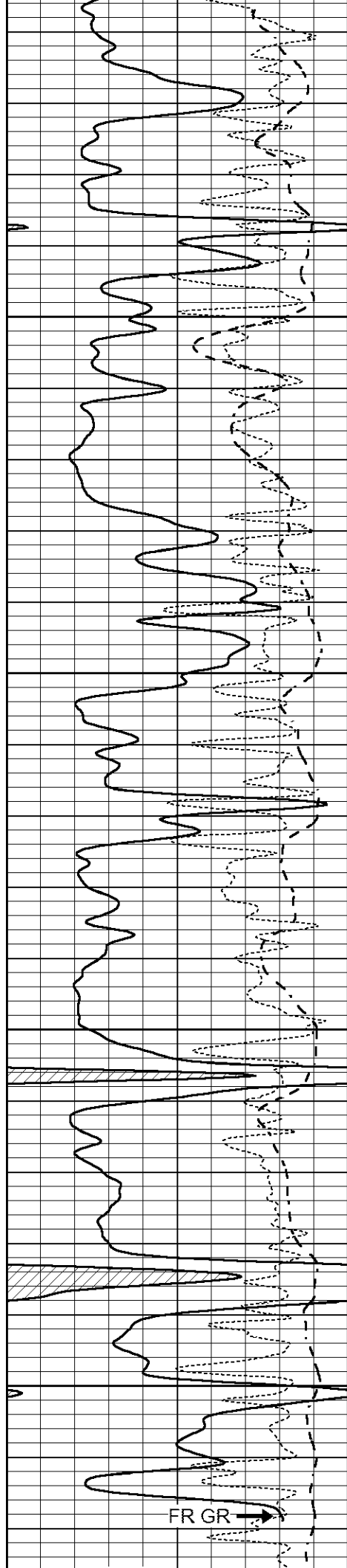
3250

3300

3350

3400



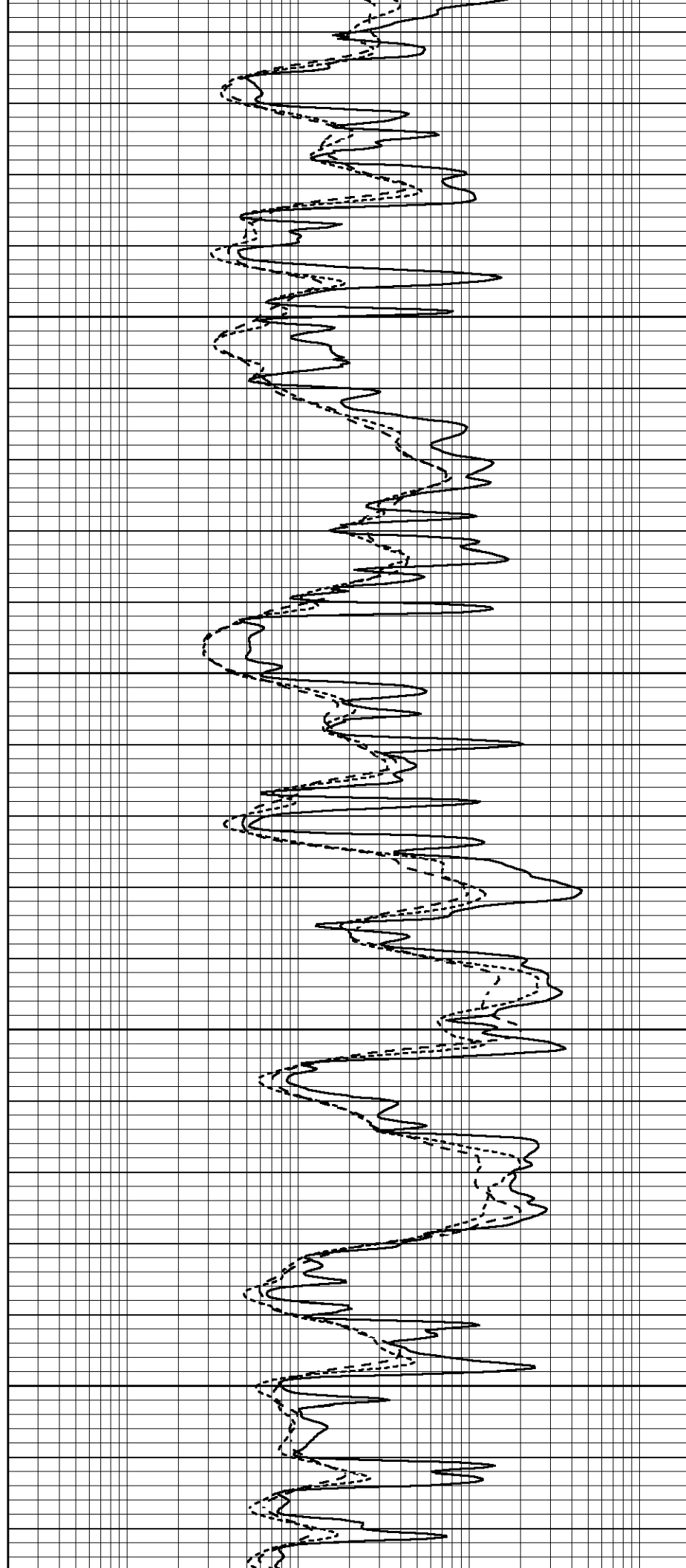


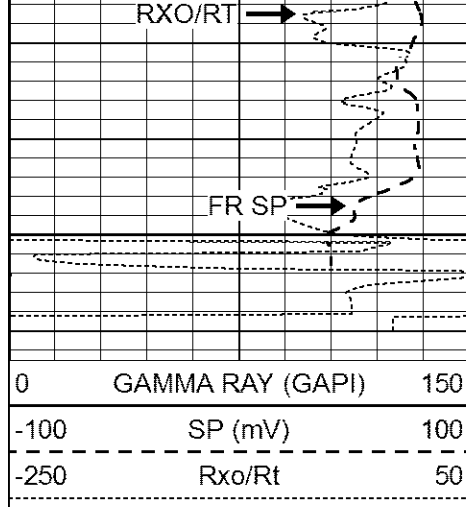
3450

3500

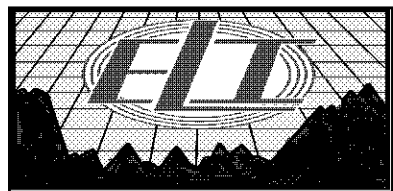
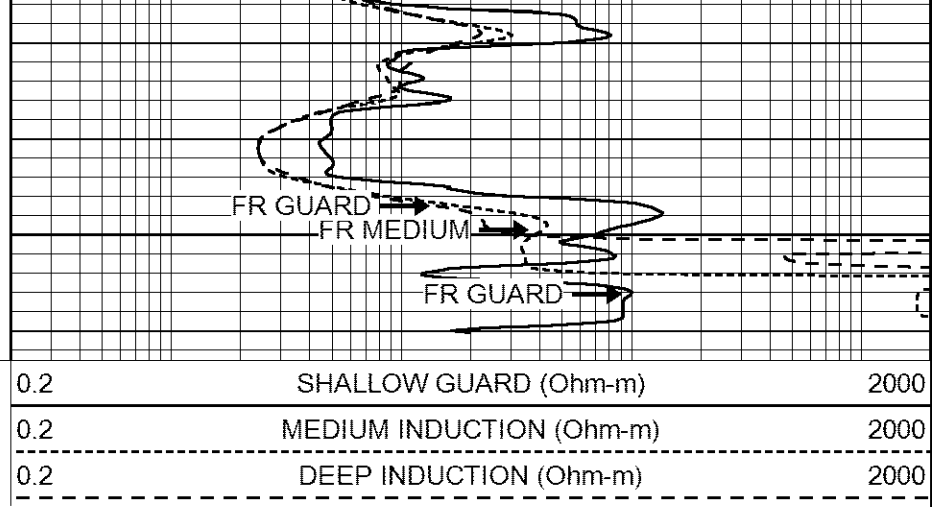
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3600



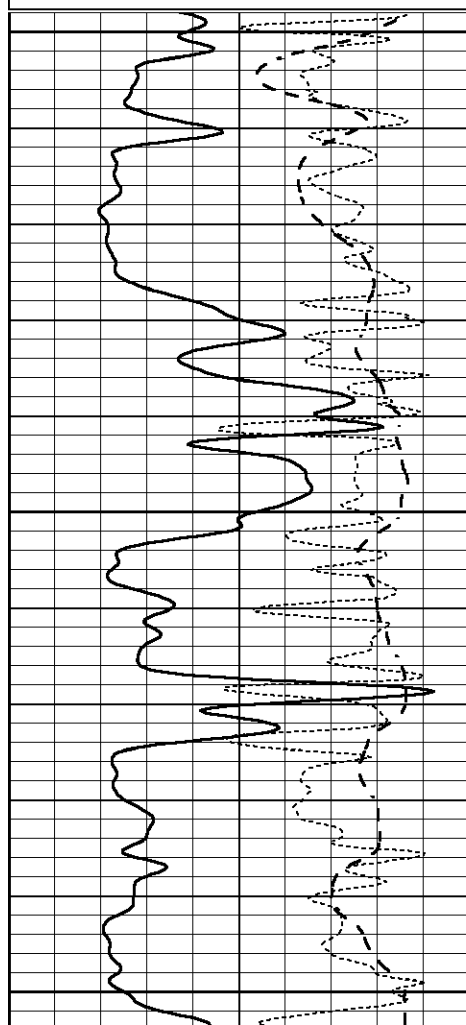
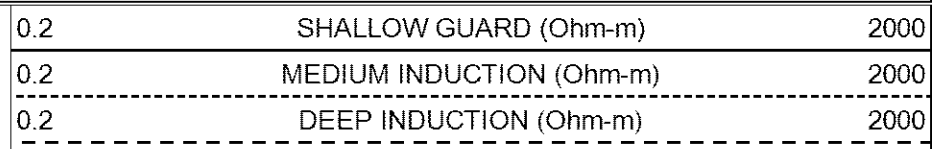
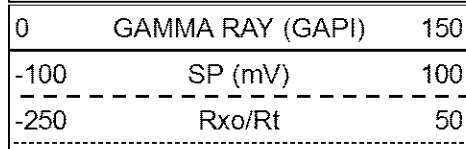


3650
LTD 3658



REPEAT SECTION

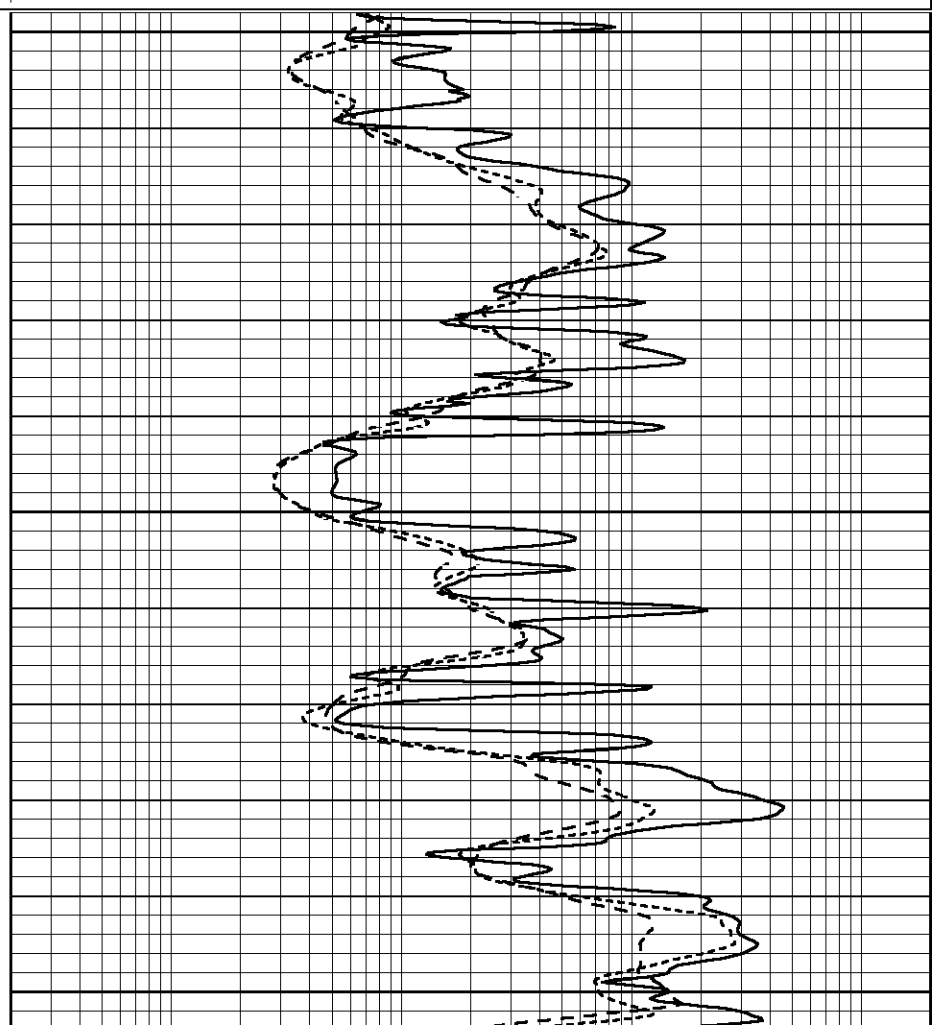
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Presentation Format _dil
Dataset Creation Fri Oct 27 20:19:34 2023
Charted by Depth in Feet scaled 1:240

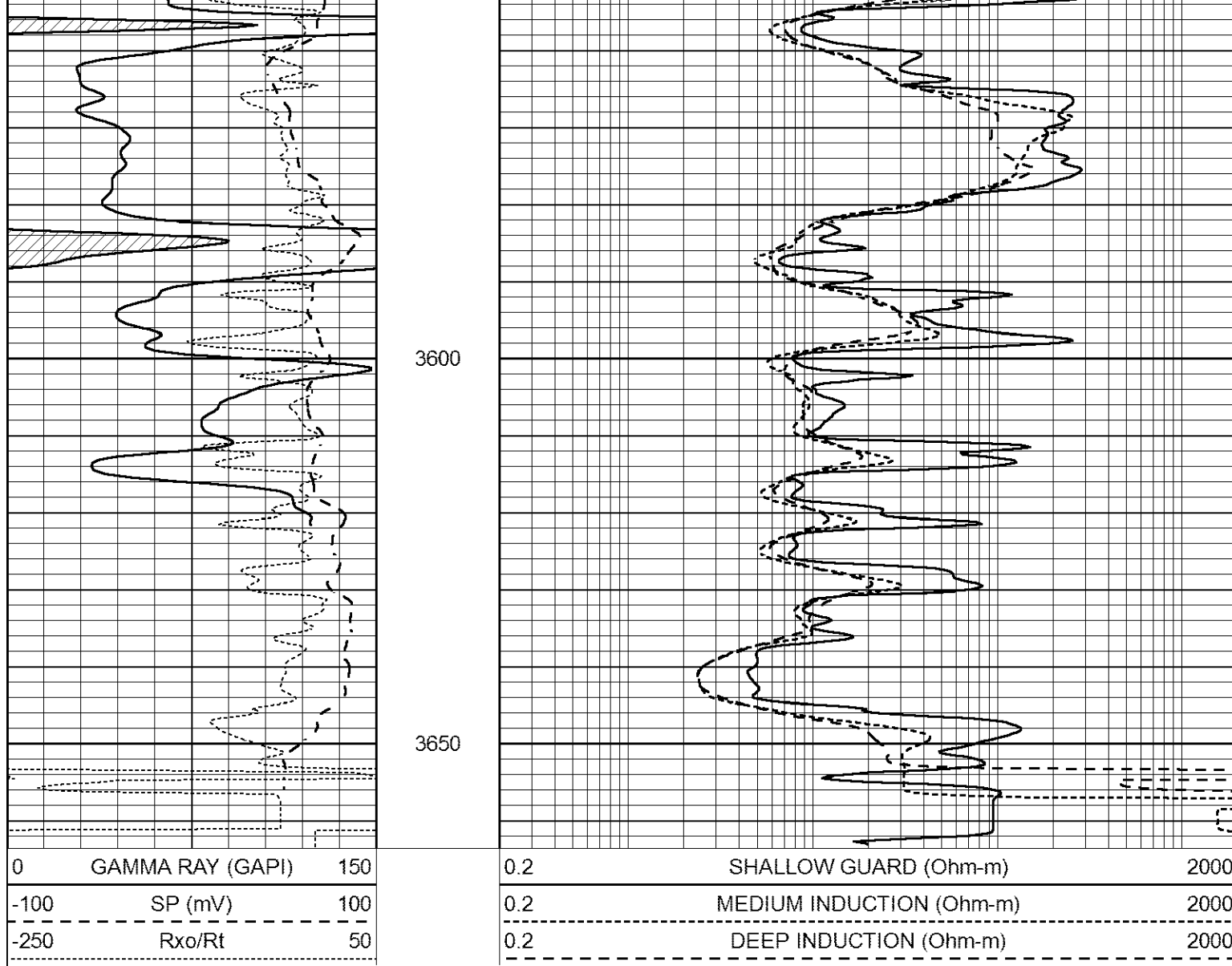


3450

3500

3550





Calibration Report									
Database File	7788ddn.db								
Dataset Pathname	pass4M								
Dataset Creation	Fri Oct 27 20:52:19 2023								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Sat Jul 29 01:57:42 2023				
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	565.000	-11.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-10.000	
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: 003			Model: PRB					

Master Calibration			Performed Mon May 22 11:42:40 2023					
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1512.3	7465.7	2749.0	2519.6			cps	
Window 2	1398.8	6705.7	2507.3	2313.8			cps	
Window 3	1289.2	5259.5	2124.1	2009.6			cps	
Window 4	351.1	351.6	351.8	353.2			cps	
Long Space	0.0	5306.9	1108.5	915.0			cps	
Short Space	3.3	2239.9	1441.2	1212.0			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio			: 0.541	
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept			: -18.8	

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:		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:	46001		
Tool Model:	Probe1		
Performed:	Thu Apr 20 09:55:57 2023		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.4300	GAPI/cps	