

DUAL INDUCTION LOG

Company	STAAB OIL COMPANY	Company	STAAB OIL COMPANY
Well	DINKEL #3	Well	DINKEL #3
Field	FLAX	Field	FLAX
County	TREGO	County	TREGO
State	KANSAS	State	KANSAS
Location:	API # : 15-195-23171-0000 2310 FSL & 1650 FWL NW - NE - SW	Other Services	CDL/CNL MEL
Permanent Datum	SEC 25 TWP 13S RGE 21W	Elevation	
Log Measured From	GROUND LEVEL Elevation	K.B. 2338	
Drilling Measured From	KELLY BUSHING 8' A.G.L KELLY BUSHING	D.F. 2336	
		G.L. 2330	
Date	4/18/24		
Run Number	ONE		
Depth Driller	4055		
Depth Logger	4056		
Bottom Logged Interval	4054		
Top Log Interval	00		
Casing Driller	8.625 @ 232		
Casing Logger	232		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,700 PPM	
Density / Viscosity	9.2/54		
pH / Fluid Loss	10.5/6.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.780 @ 72F		
Rmf @ Meas. Temp	.585 @ 72F		
Rmc @ Meas. Temp	.936 @ 72F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.484 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5.45 P.M.		
Maximum Recorded Temperature	116F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JANEL STAAB	FRANK STAAB	KURT STAAB

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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:

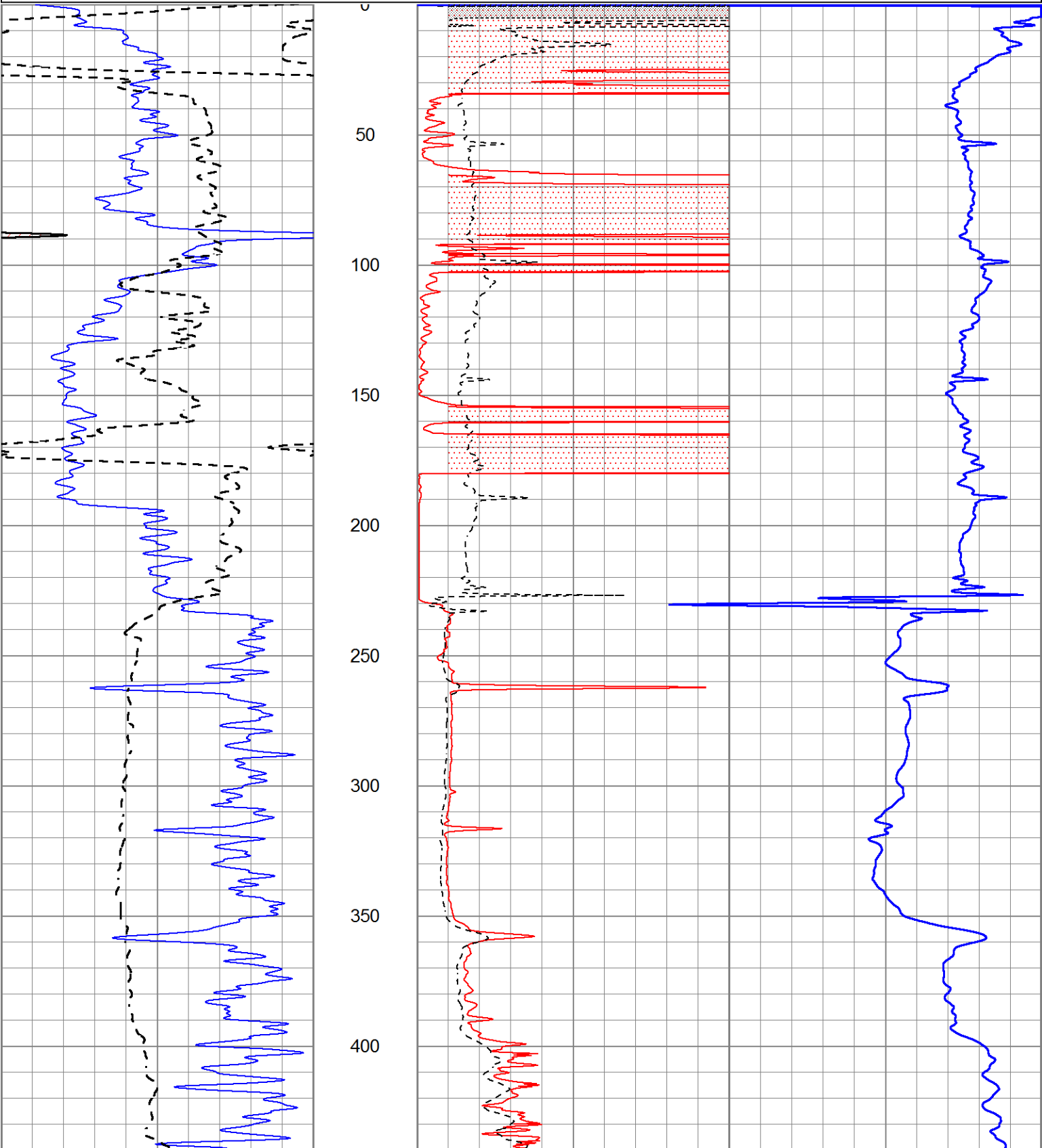
FROM ELLIS BLACKTOP/OLD 40 INTERSECTION IN ELLIS, KANSAS GO SOUTH 3.5 MILES TO AIRBASE ROAD, WEST 2.8 MILES, NORTH INTO AT TANK BATTERIES

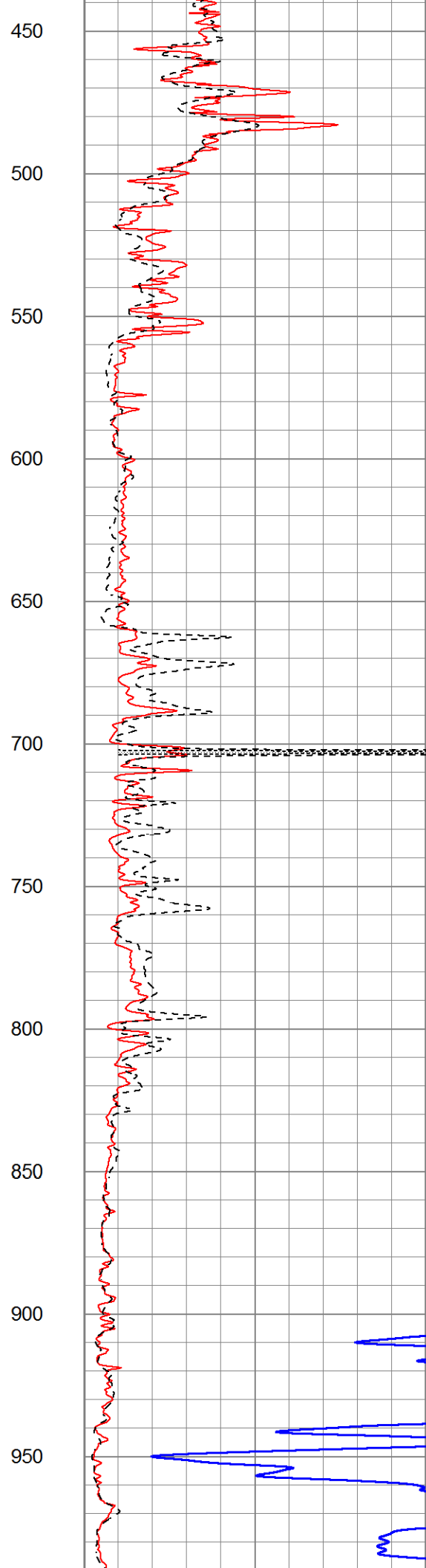
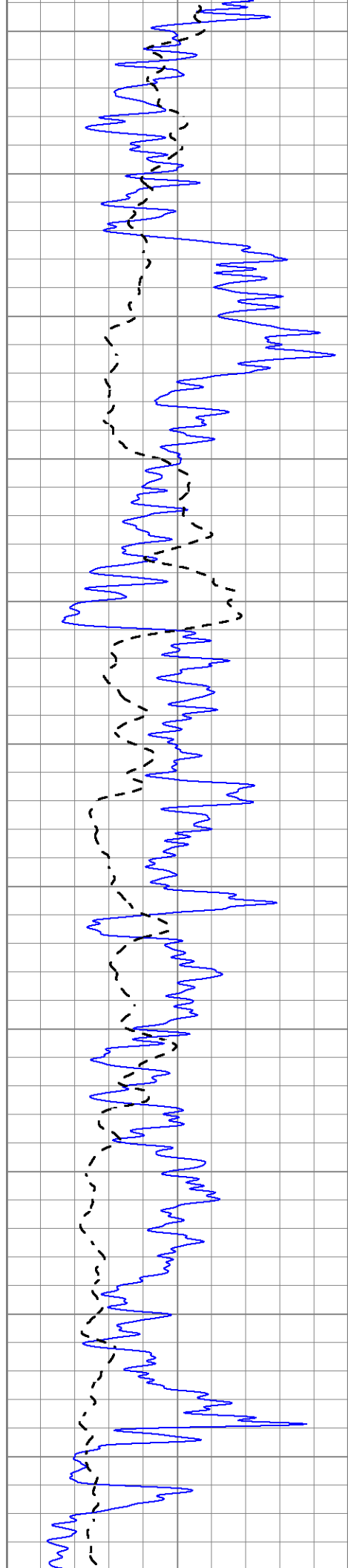


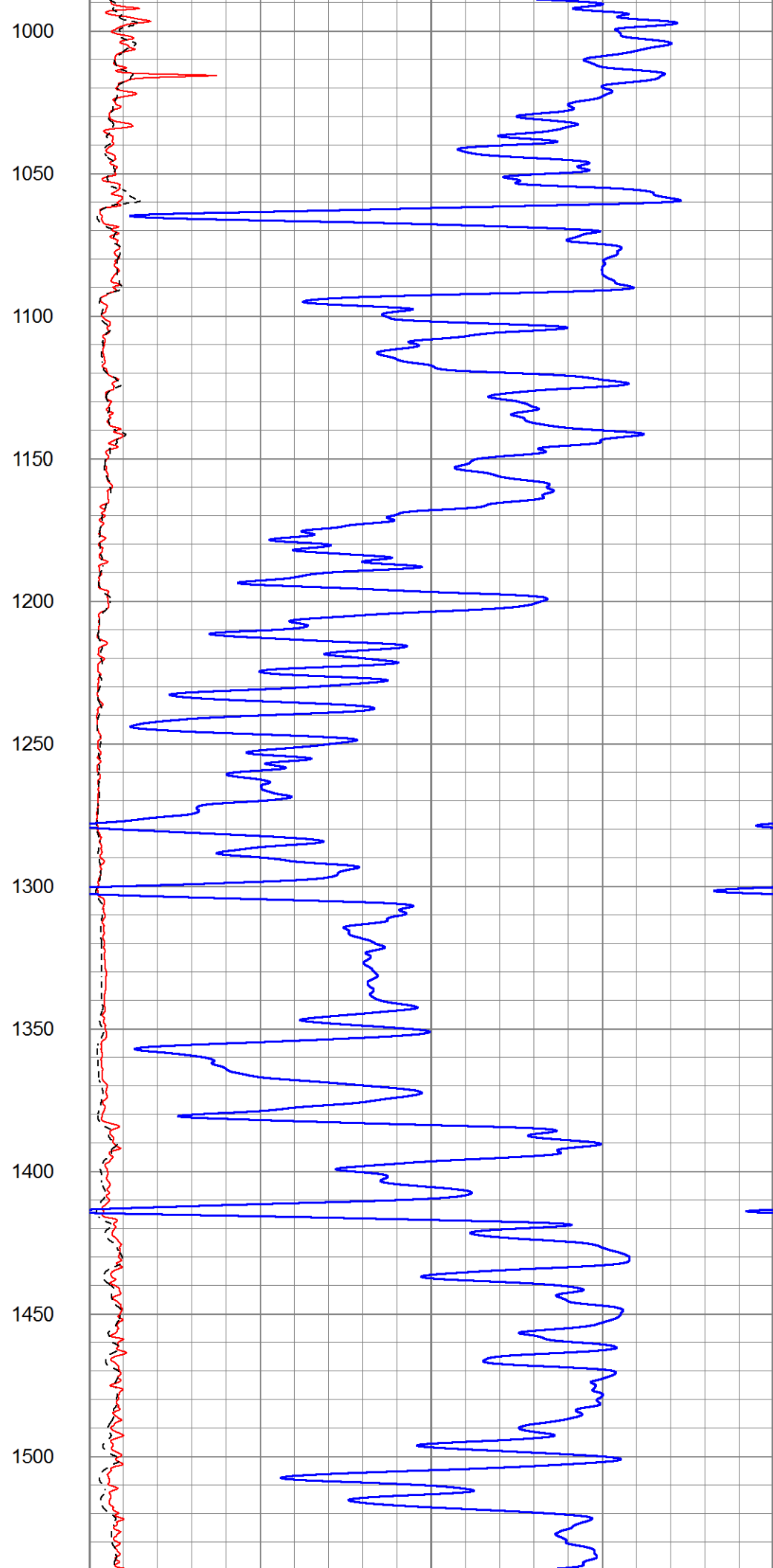
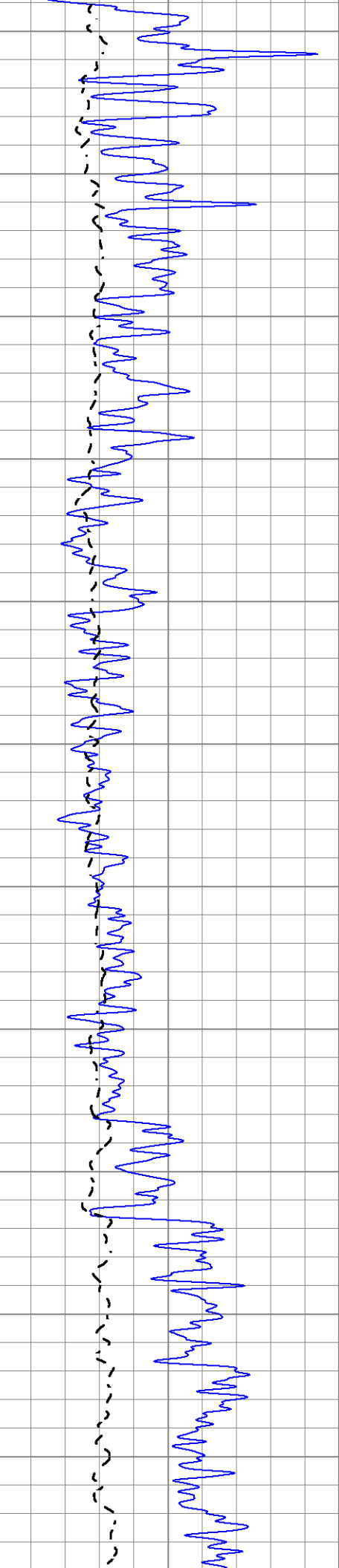
MAIN SECTION

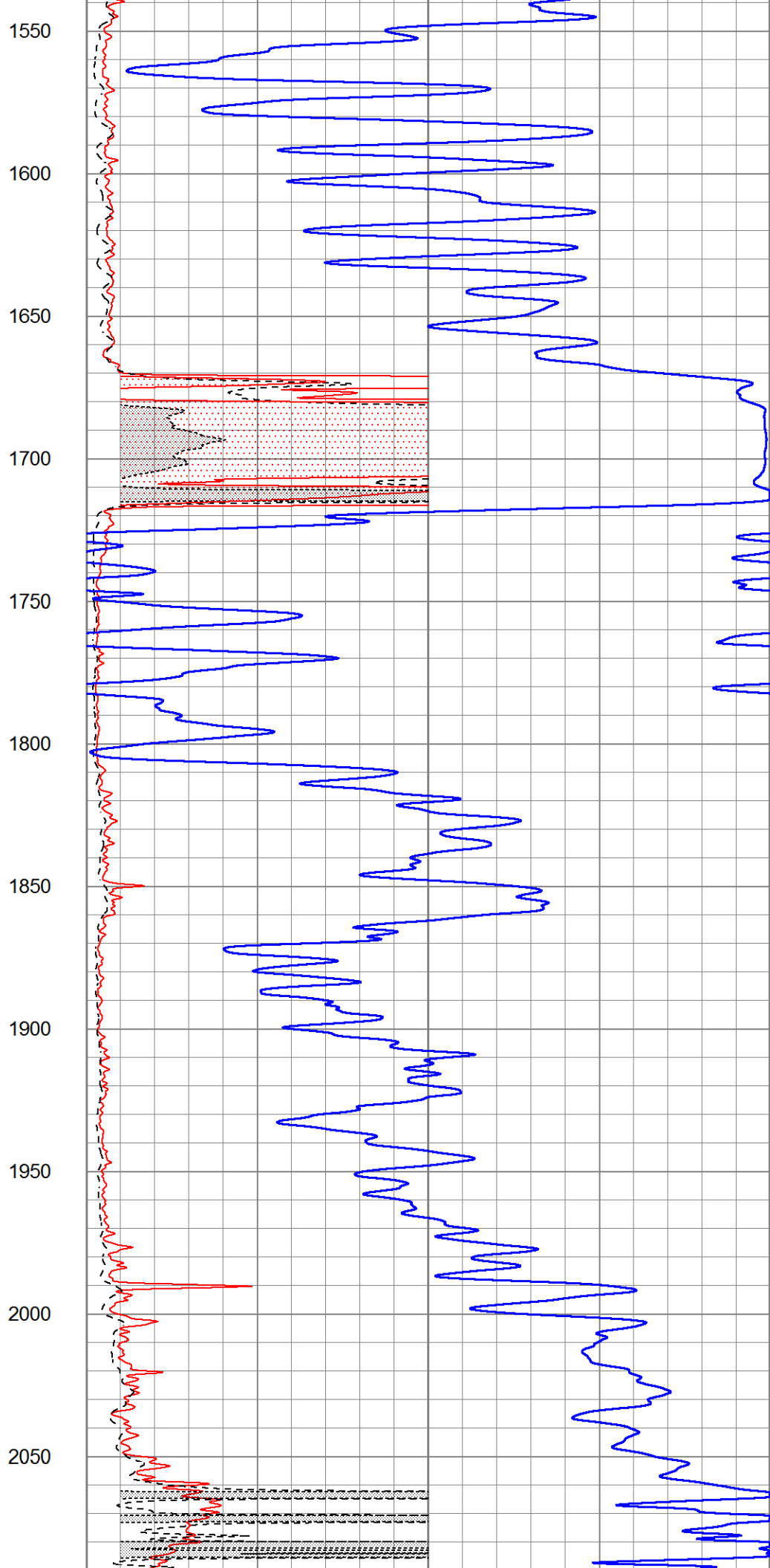
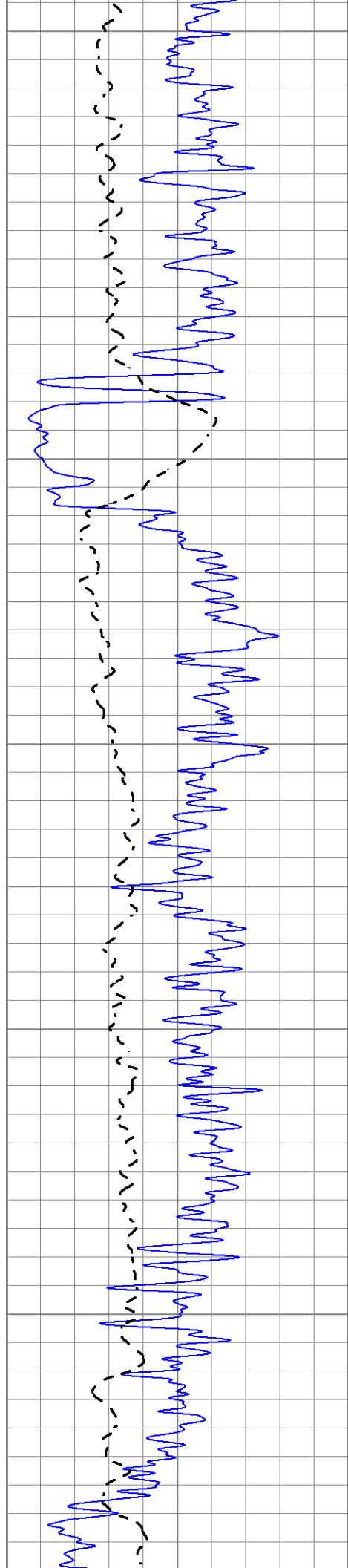
Database File	8668ddn.db
Dataset Pathname	pass3DILD
Presentation Format	_dil2
Dataset Creation	Thu Apr 18 20:58:55 2024
Charted by	Depth in Feet scaled 1:600

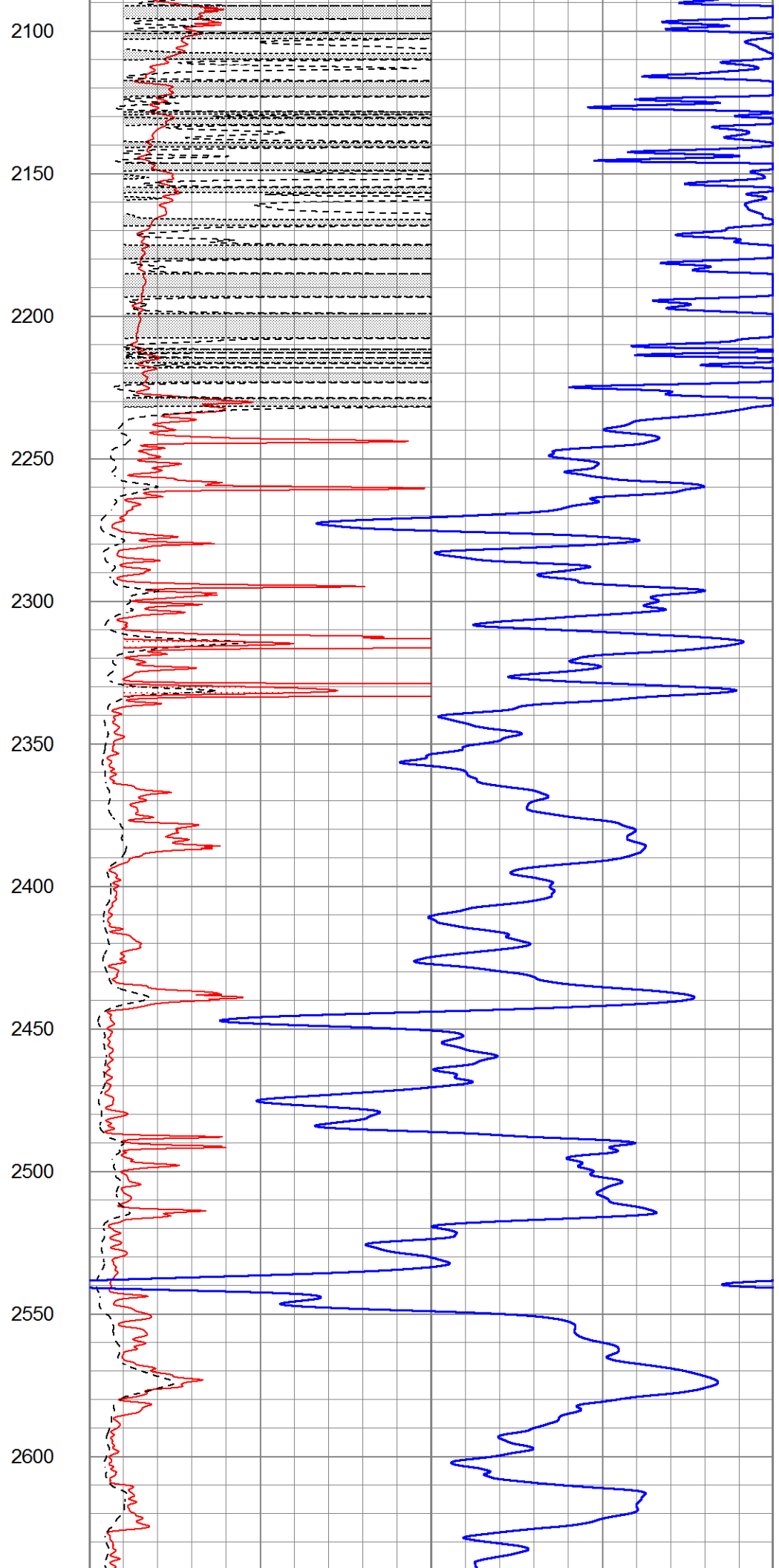
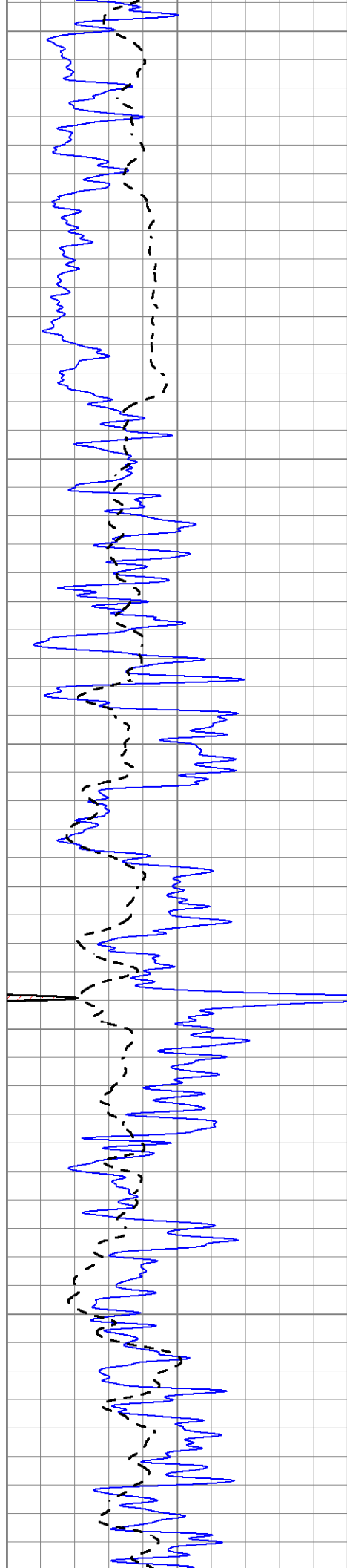
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

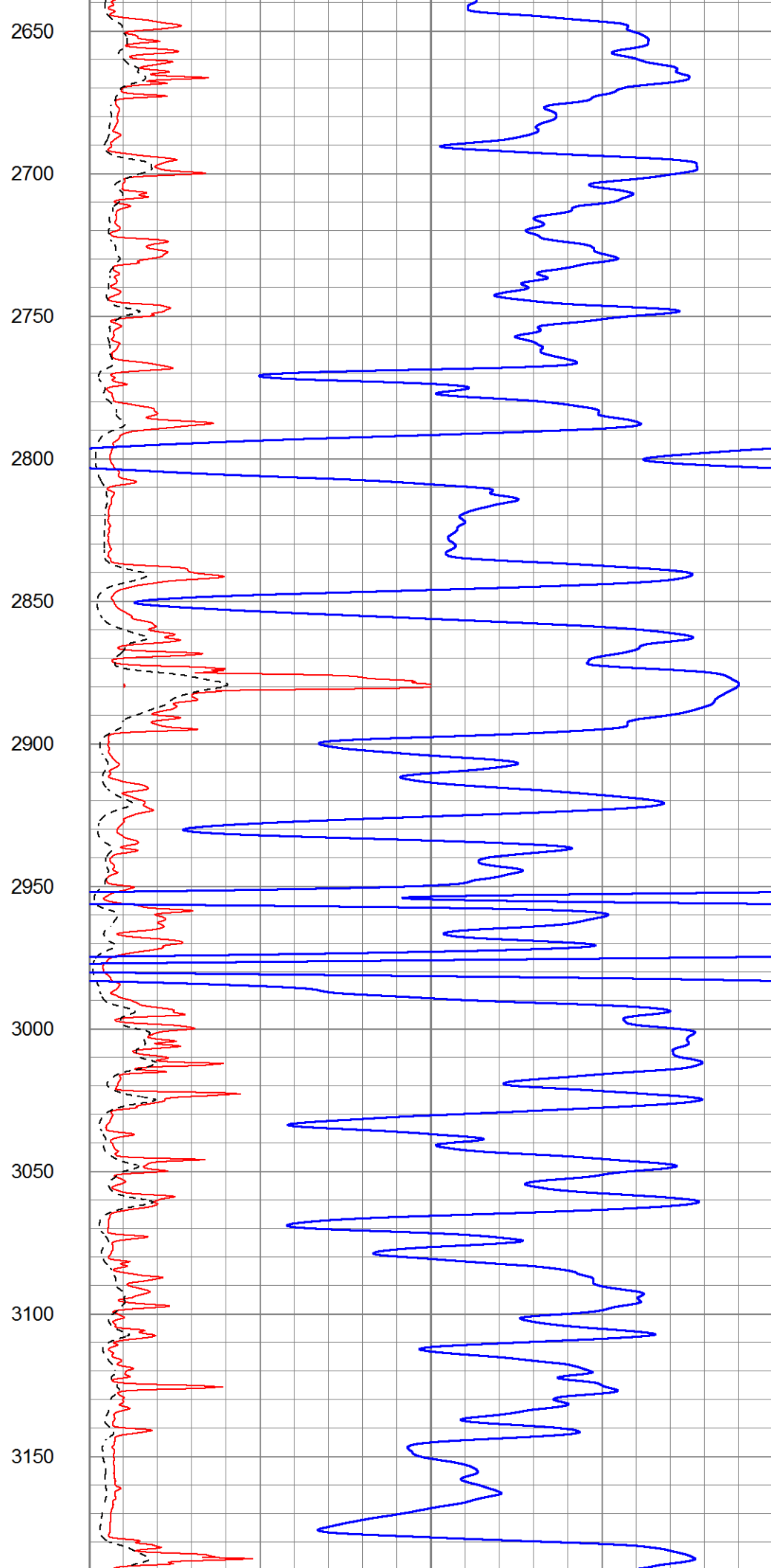
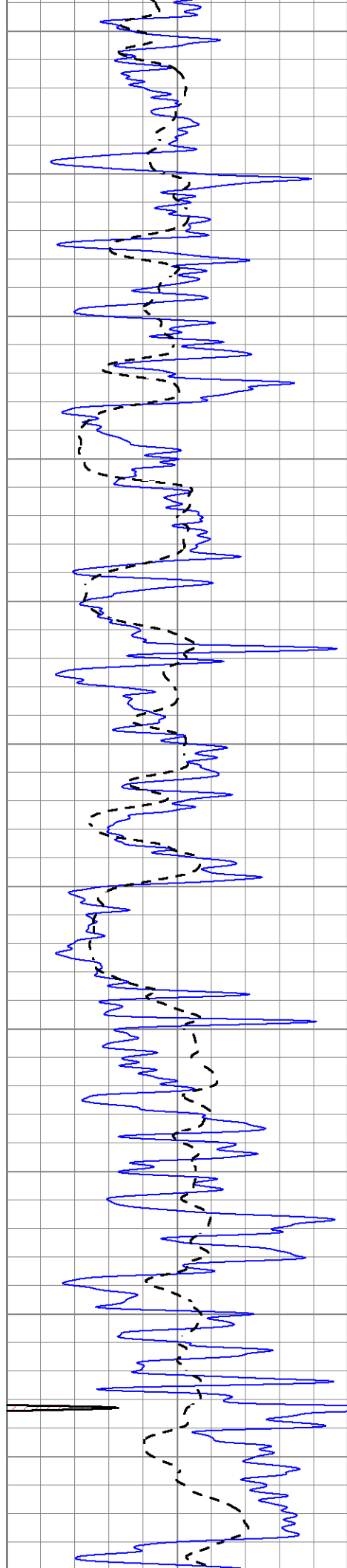


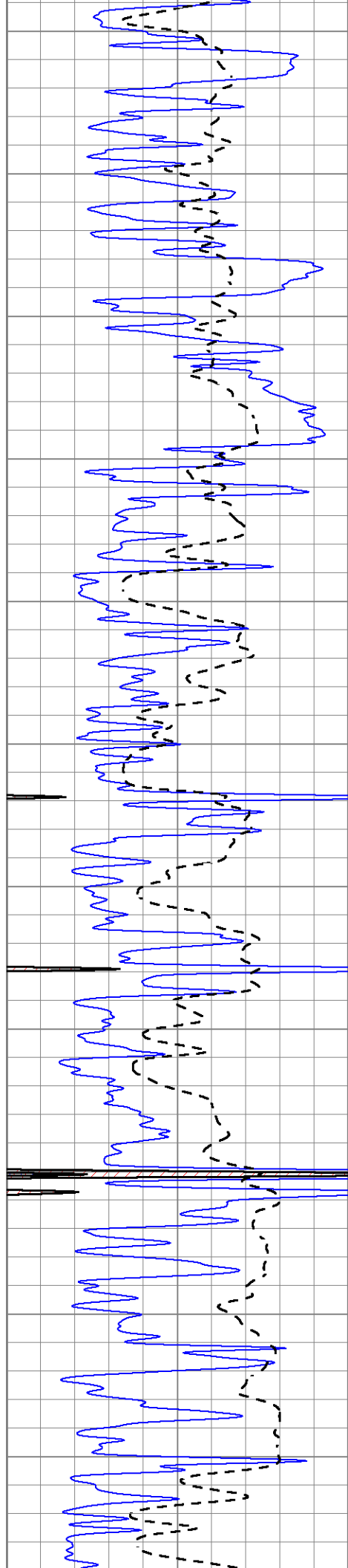












3200

3250

3300

3350

3400

3450

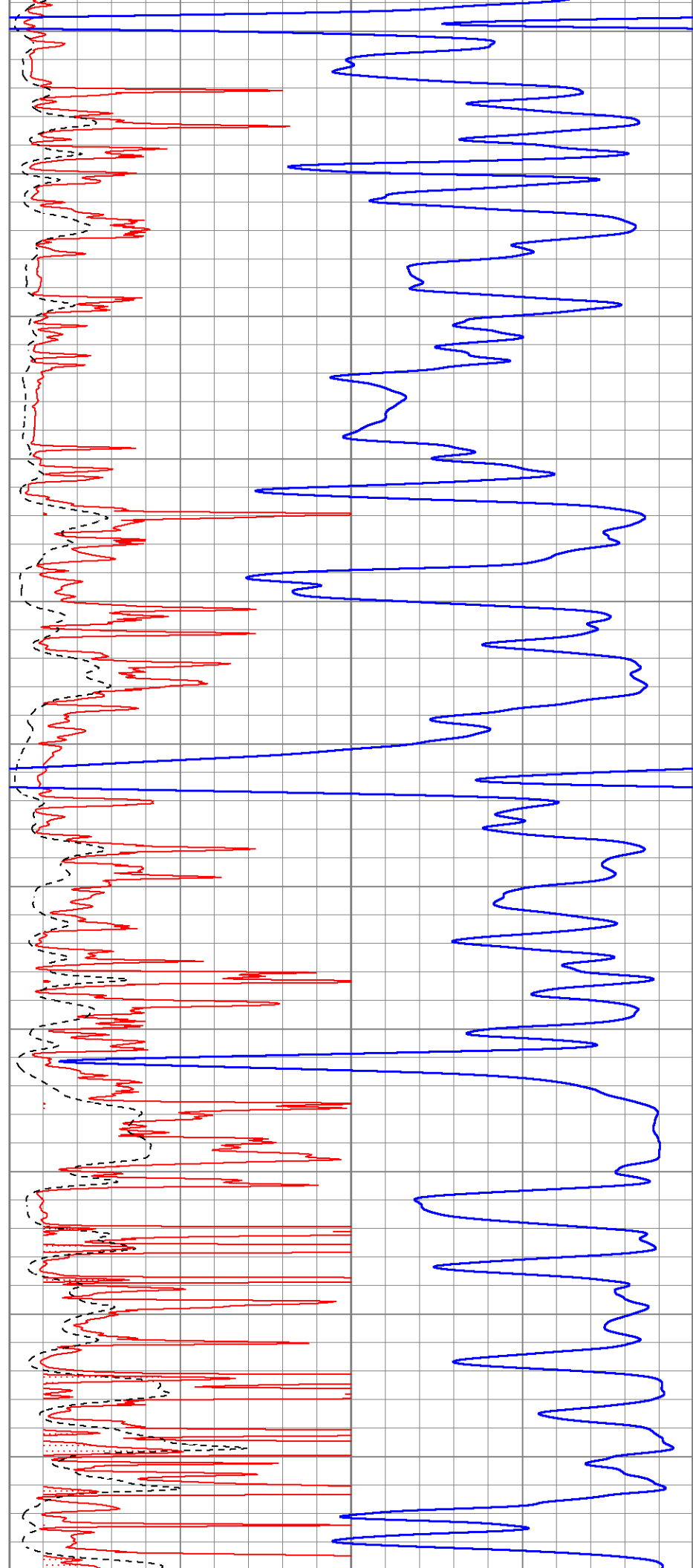
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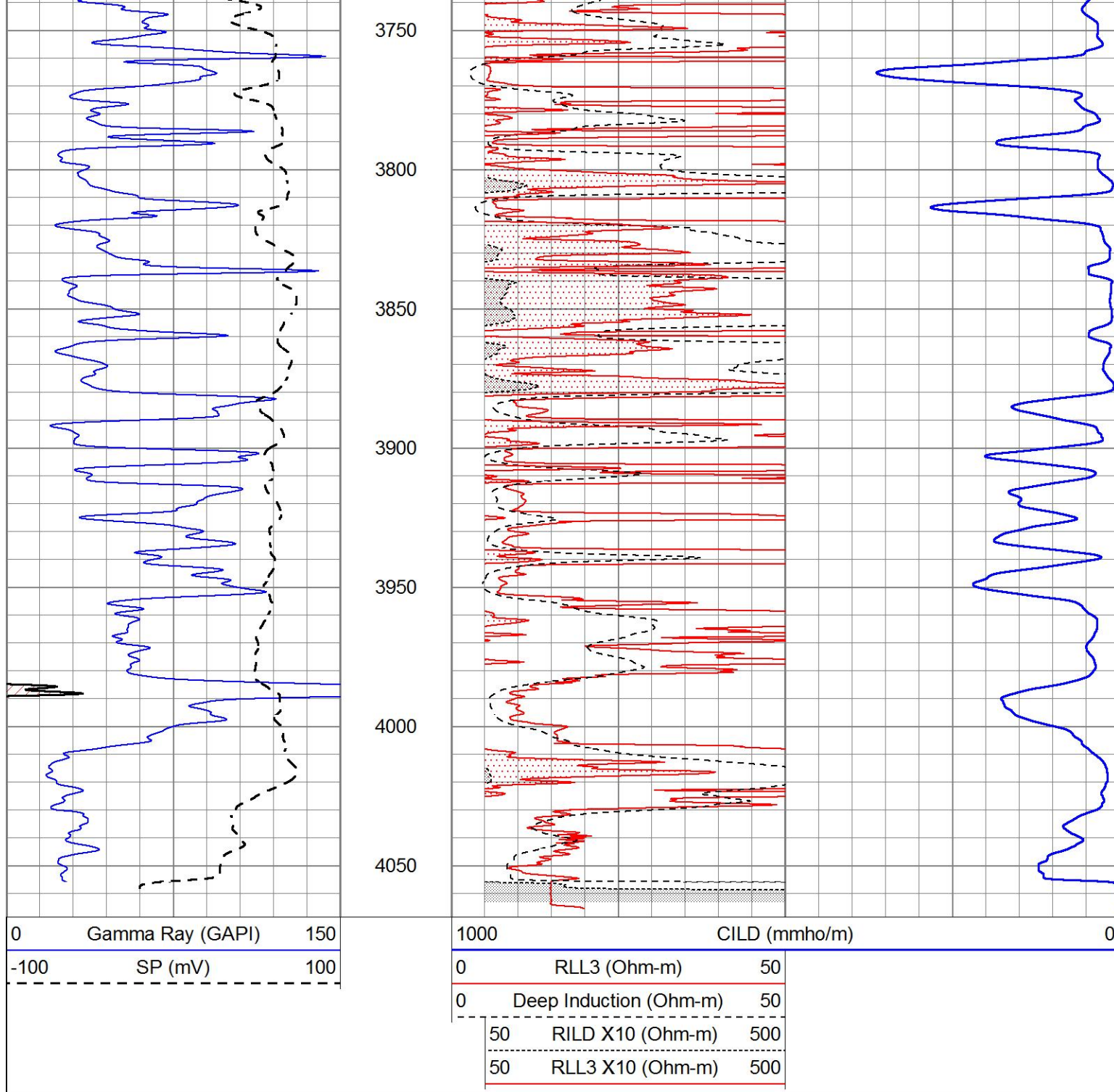
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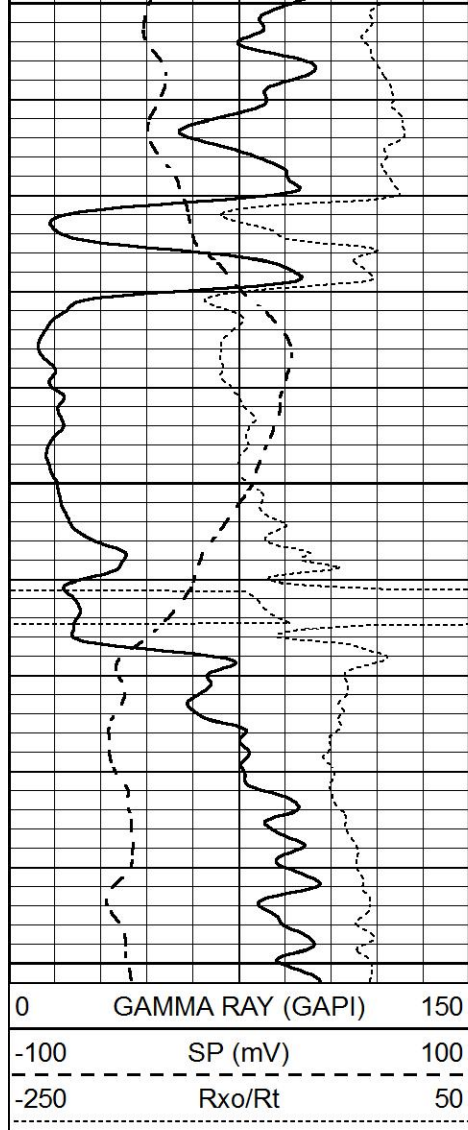




ANHYDRITE

Database File 8668ddn.db
 Dataset Pathname pass3A
 Presentation Format _dil
 Dataset Creation Thu Apr 18 18:42:19 2024
 Charted by Depth in Feet scaled 1:240

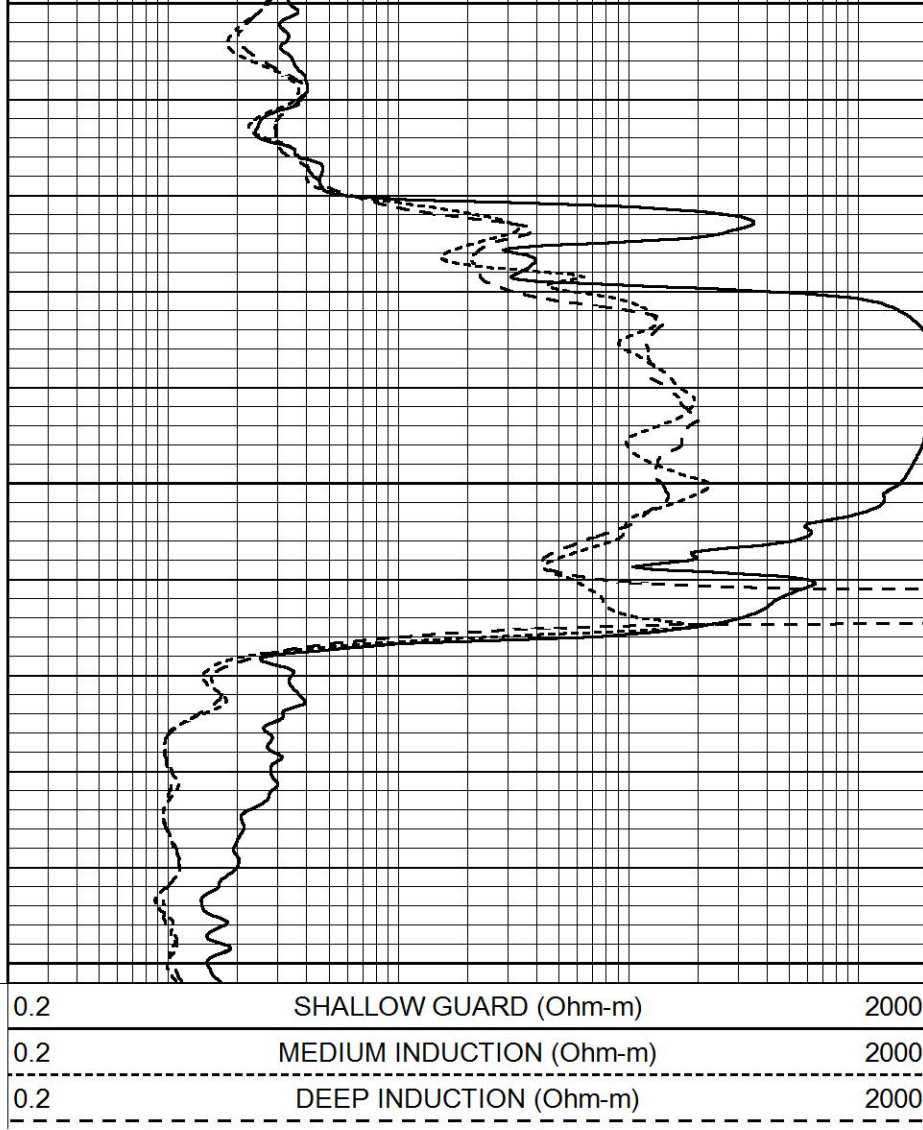
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000



1650

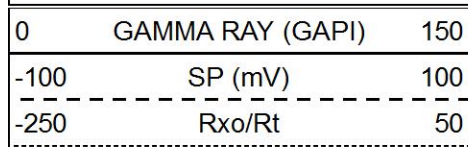
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1750

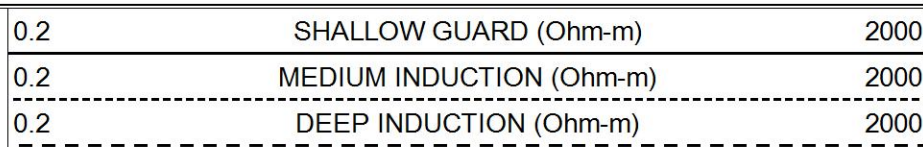


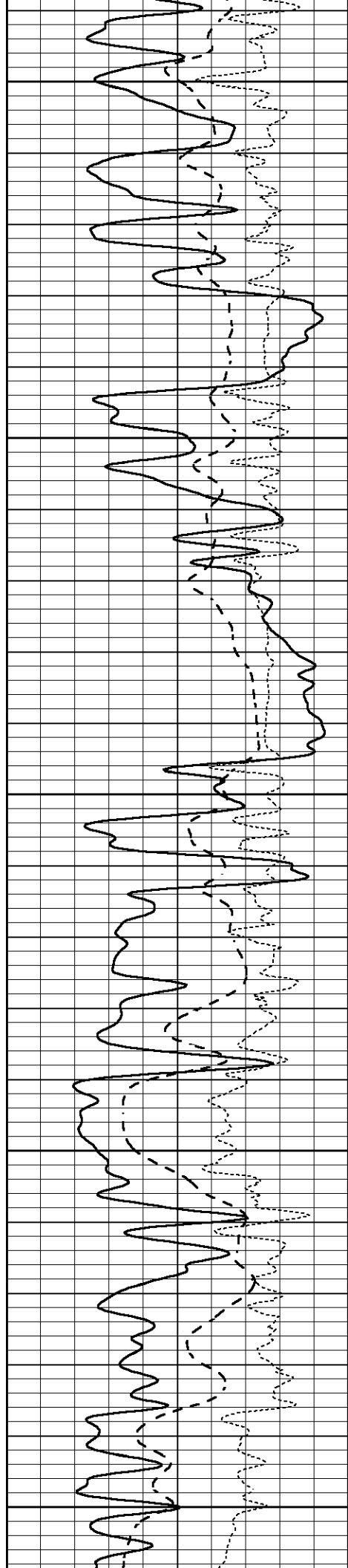
MAIN SECTION

Database File 8668ddn.db
 Dataset Pathname pass3DILD
 Presentation Format _dil
 Dataset Creation Thu Apr 18 20:58:55 2024
 Charted by Depth in Feet scaled 1:240



3200





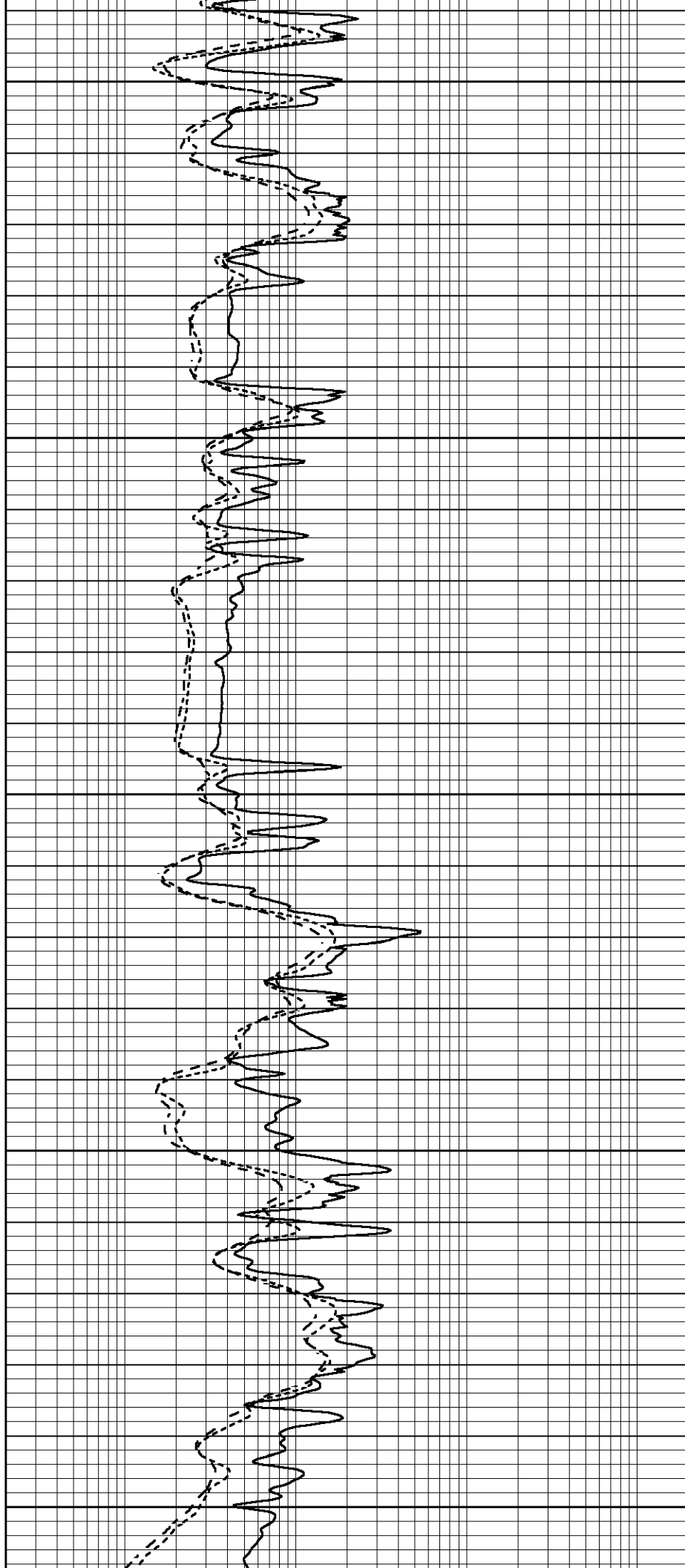
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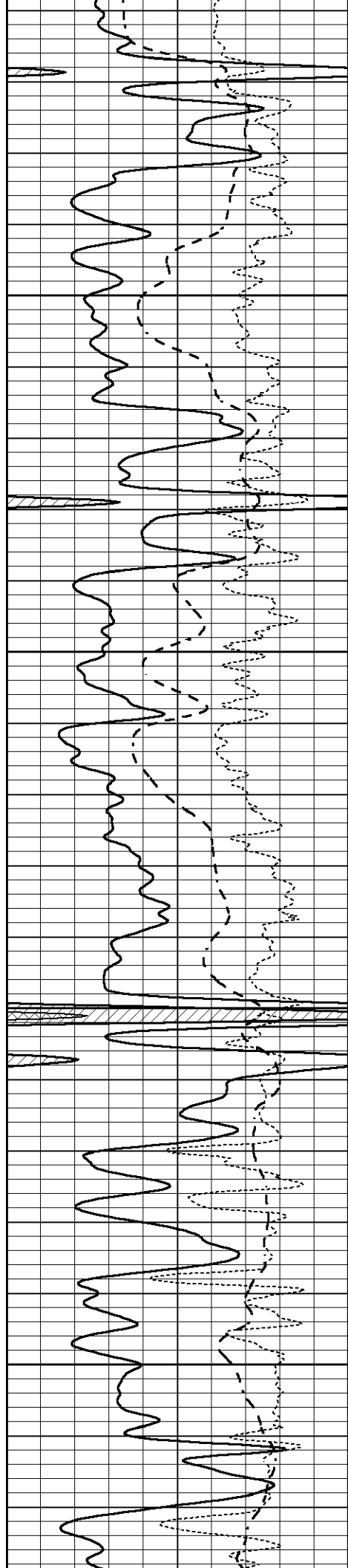
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3350

3400

3450



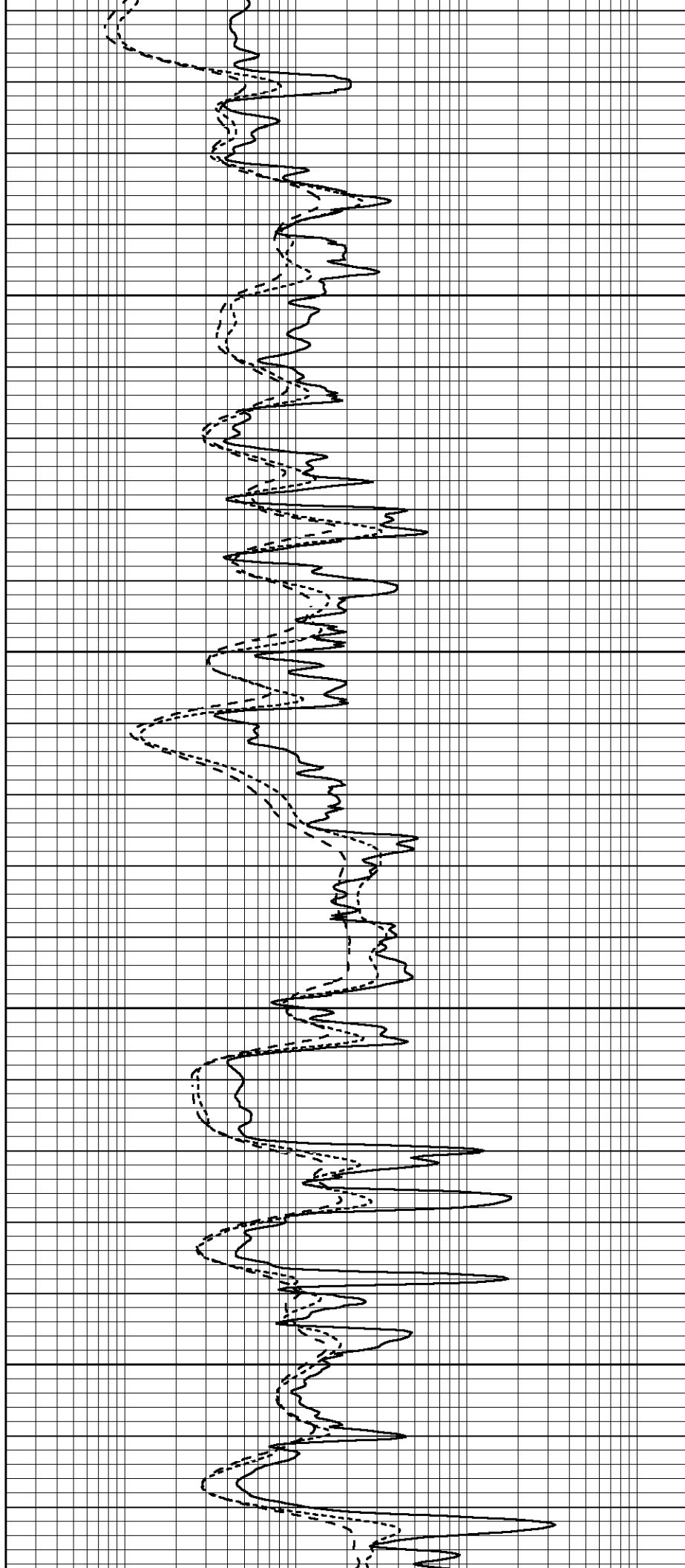


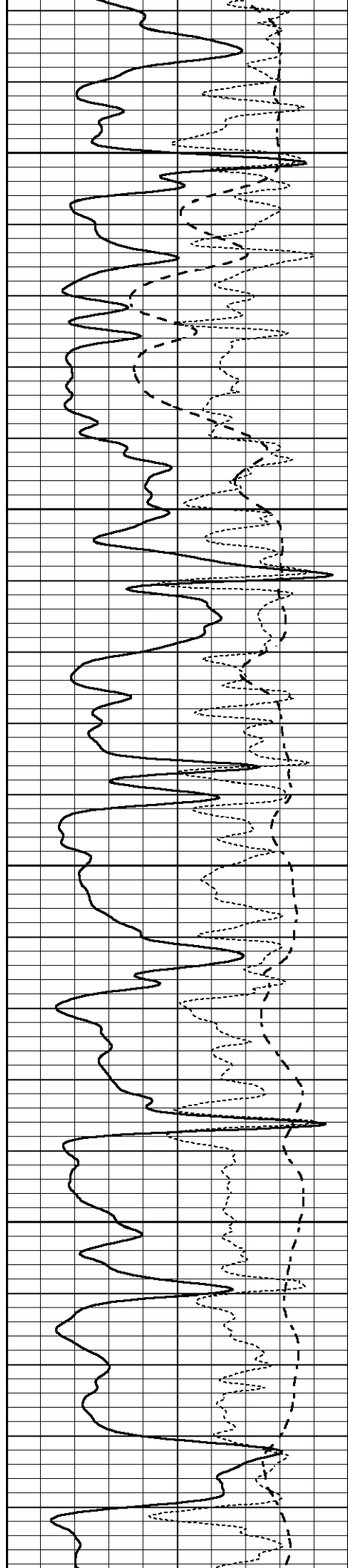
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3600

3650



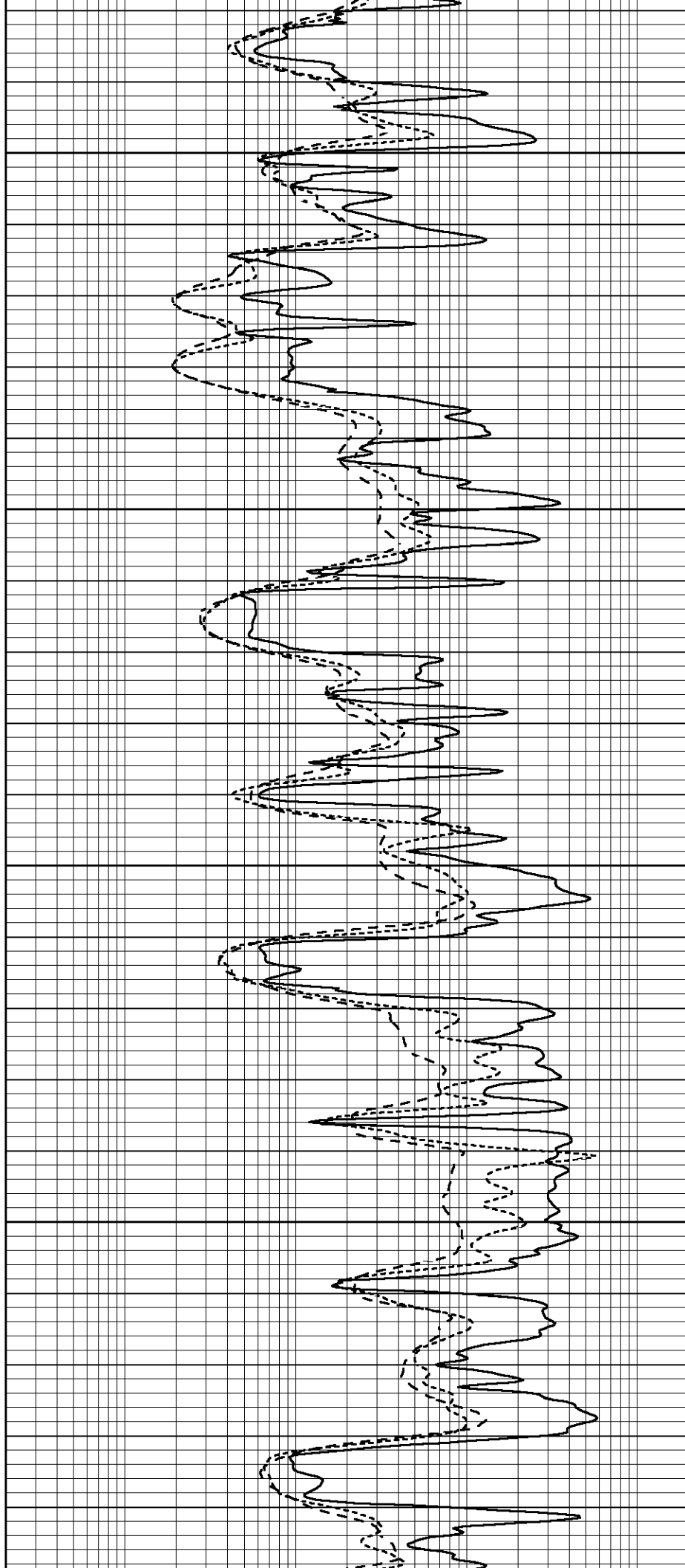


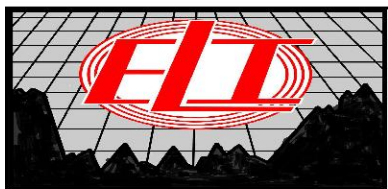
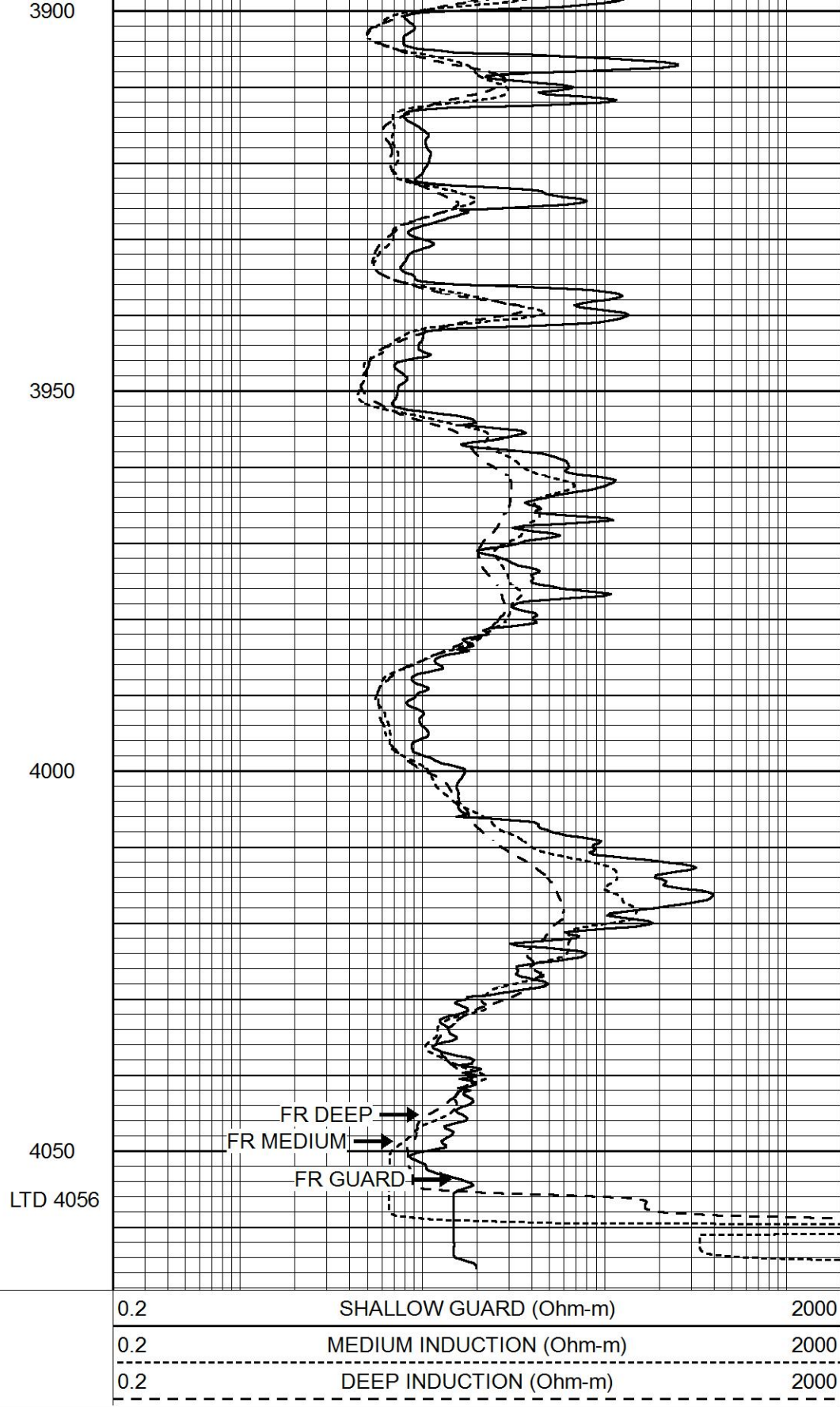
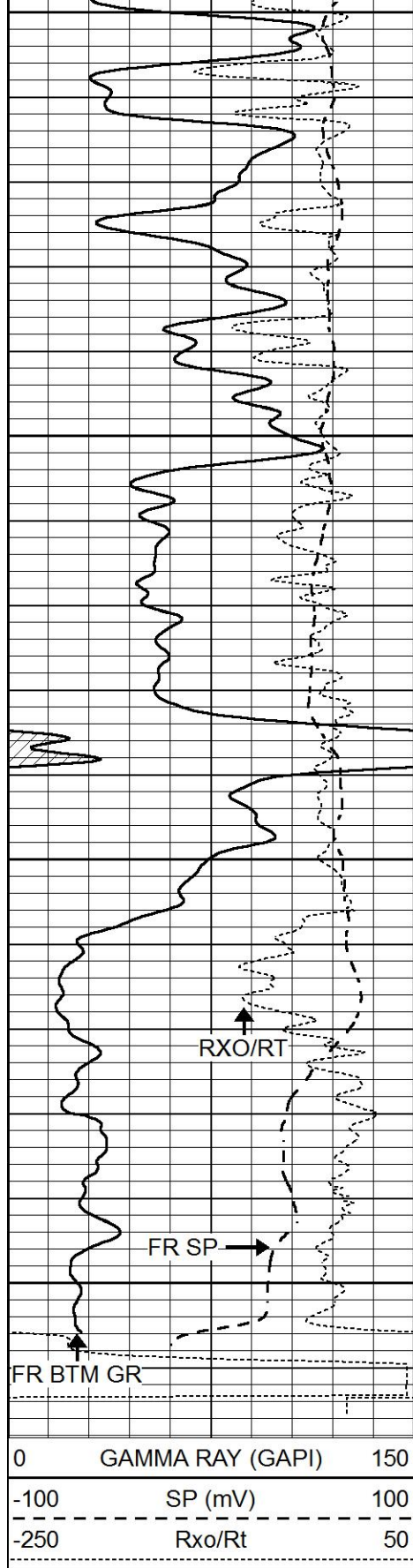
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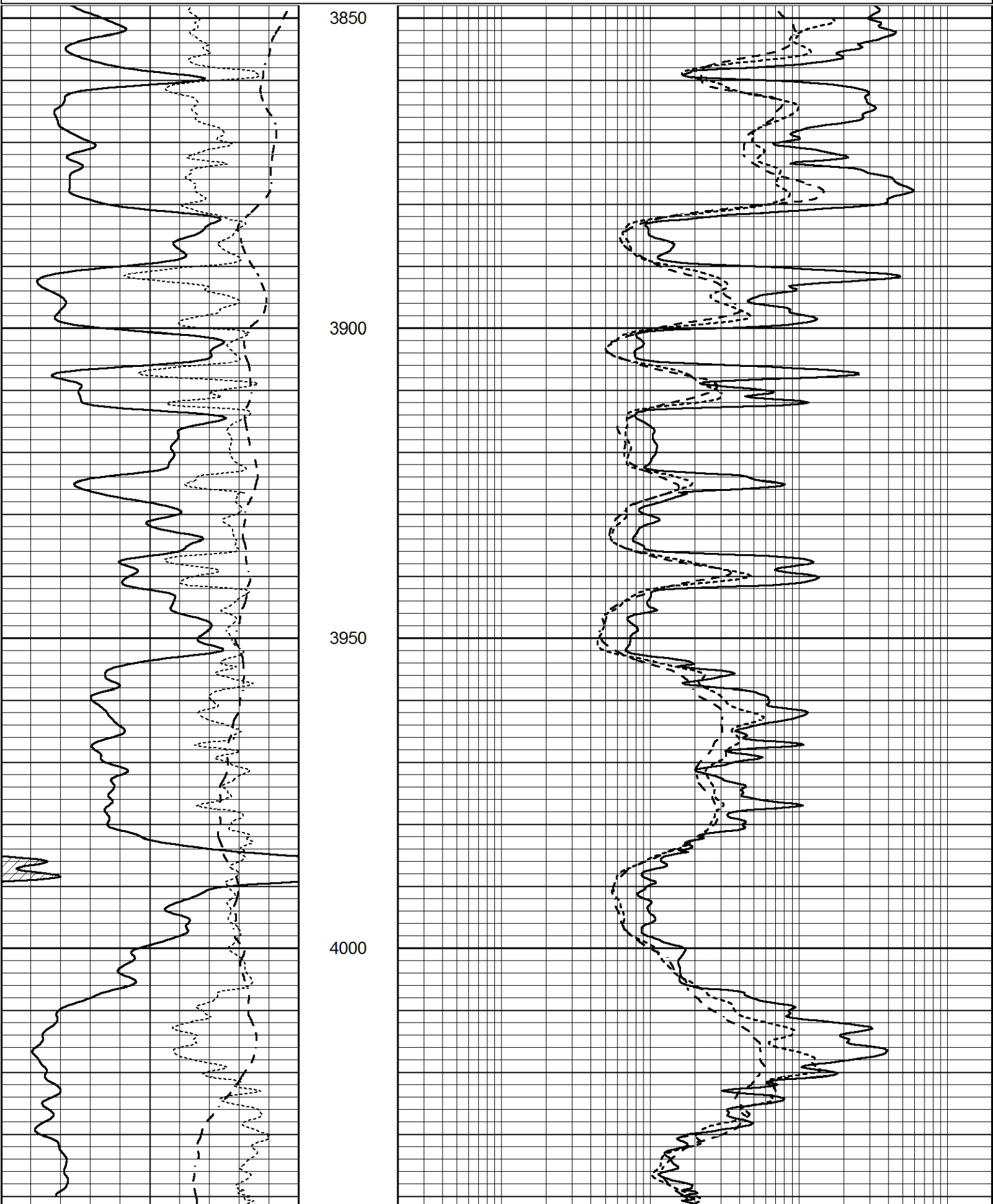
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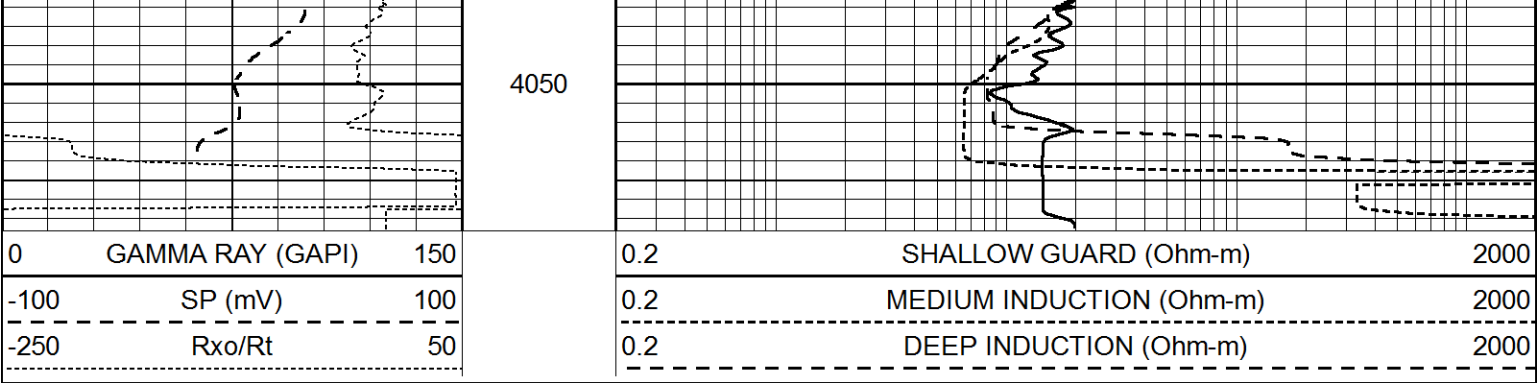




REPEAT SECTION

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





Calibration Report									
Database File		8668ddn.db							
Dataset Pathname		pass3DILD							
Dataset Creation		Thu Apr 18 20:58:55 2024							
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	0.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-19.000	
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			
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