



DUAL INDUCTION LOG

Company	MAI OIL OPERATIONS, INC.	Company	MAI OIL OPERATIONS, INC.
Well	BARNES TRUST #2	Well	BARNES TRUST #2
Field	UNNAMED	Field	UNNAMED
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	API # : 15-009-26416-0000 2220 FSL & 2200 FWL SW - NE - NE - SW	Other Services	CDL/CNL
Permanent Datum	SEC 33 TWP 17S RGE 15W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1989 KELLY BUSHING 10' A.G.L.	K.B. 1999 D.F. 1997 G.L. 1989	
Drilling Measured From	KELLY BUSHING		
Date	5/2/24		
Run Number	ONE		
Depth Driller	3590		
Depth Logger	3590		
Bottom Logged Interval	3588		
Top Log Interval	00		
Casing Driller	8.625 @ 1023		
Casing Logger	1023		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,500 PPM	
Density / Viscosity	9.4/52		
pH / Fluid Loss	9.0/11		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.80 @ 70F		
Rmf @ Meas. Temp	1.35 @ 70F		
Rmc @ Meas. Temp	2.16 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.13 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	8.45 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JIM MUSGROVE		

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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:

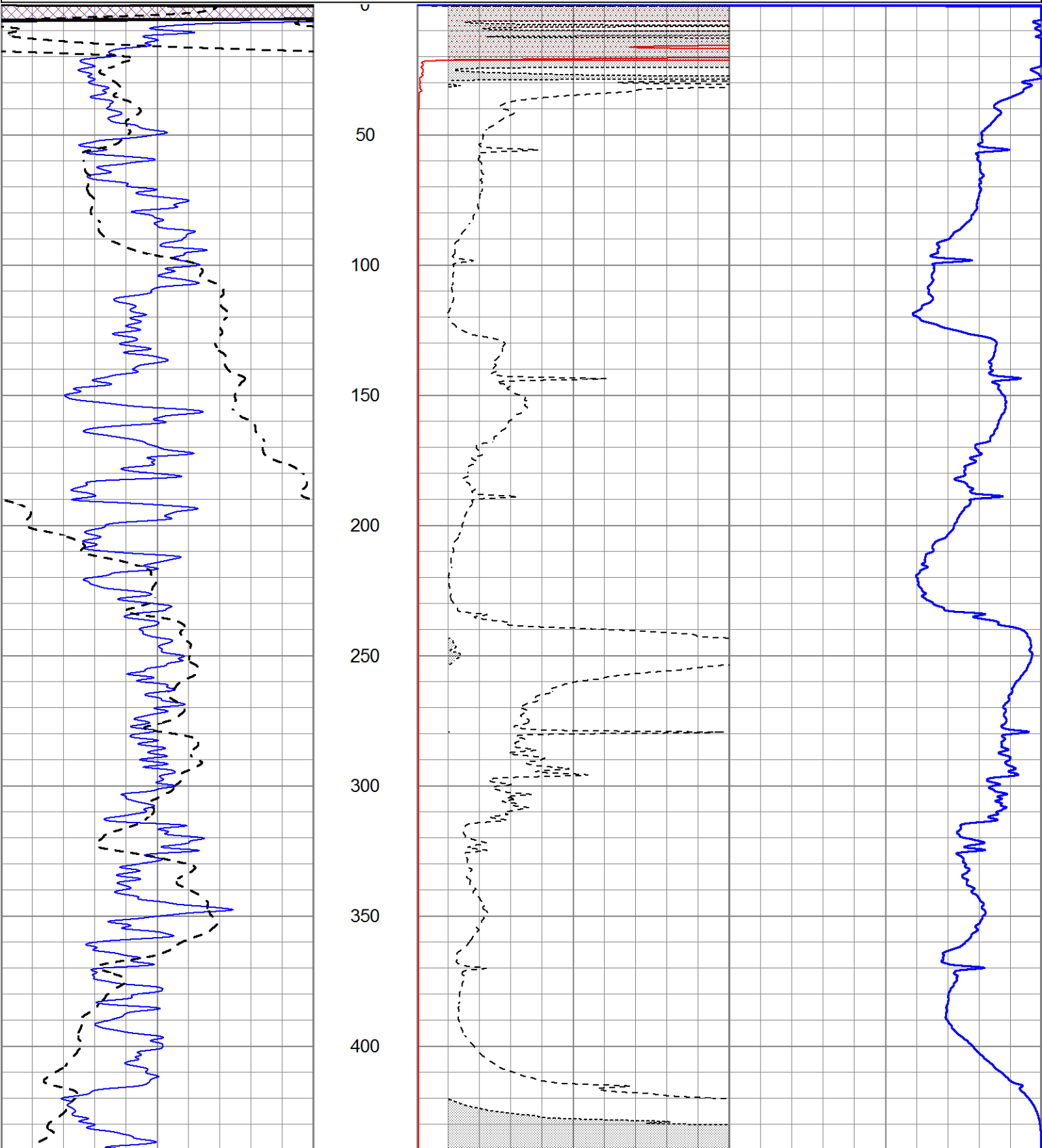
FROM OTIS, KANSAS GO 3 MILES EAST ON HIGHWAY 4, 1 MILE SOUTH, 1/2 MILE EAST,
NORTH INTO

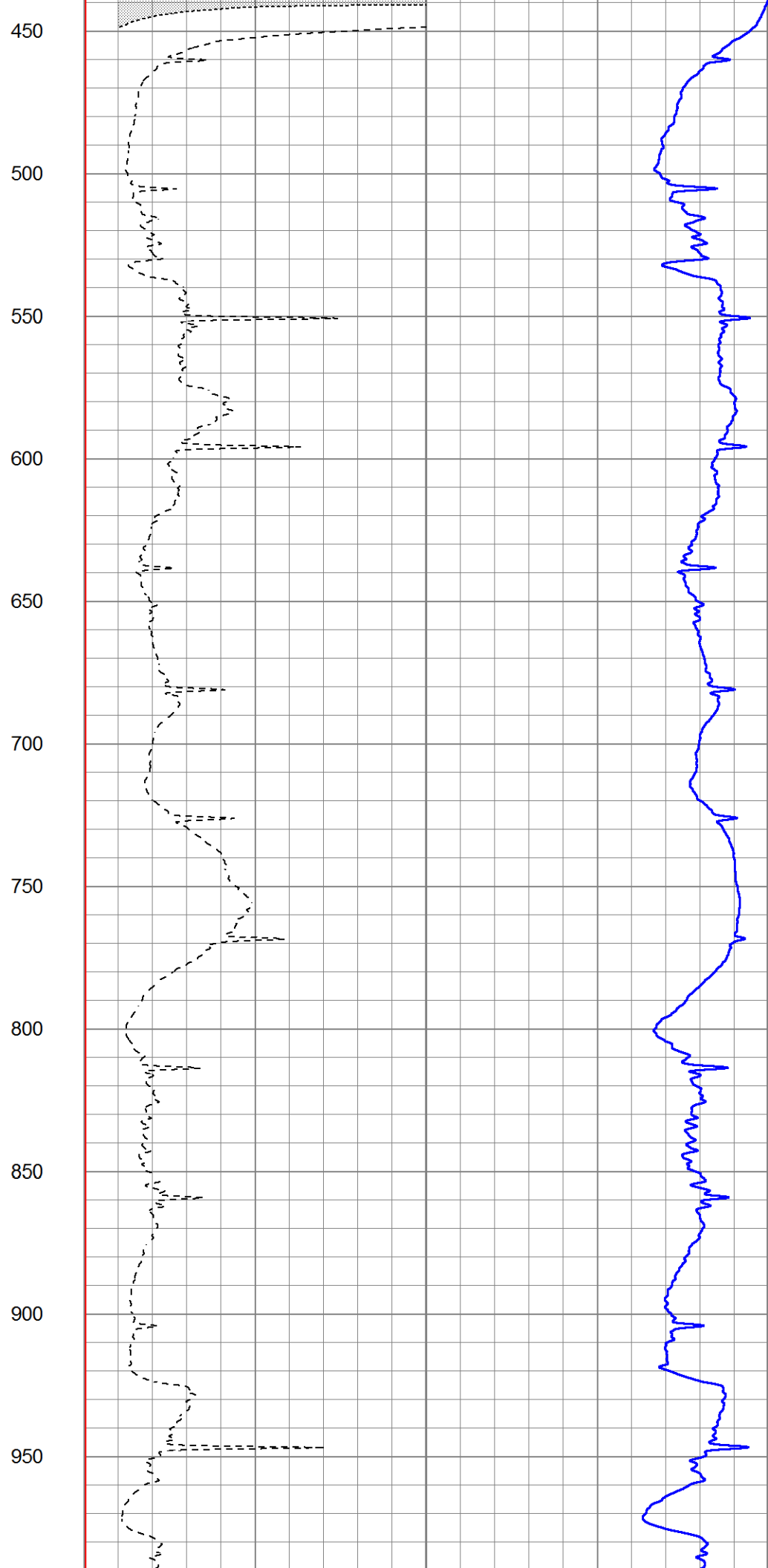
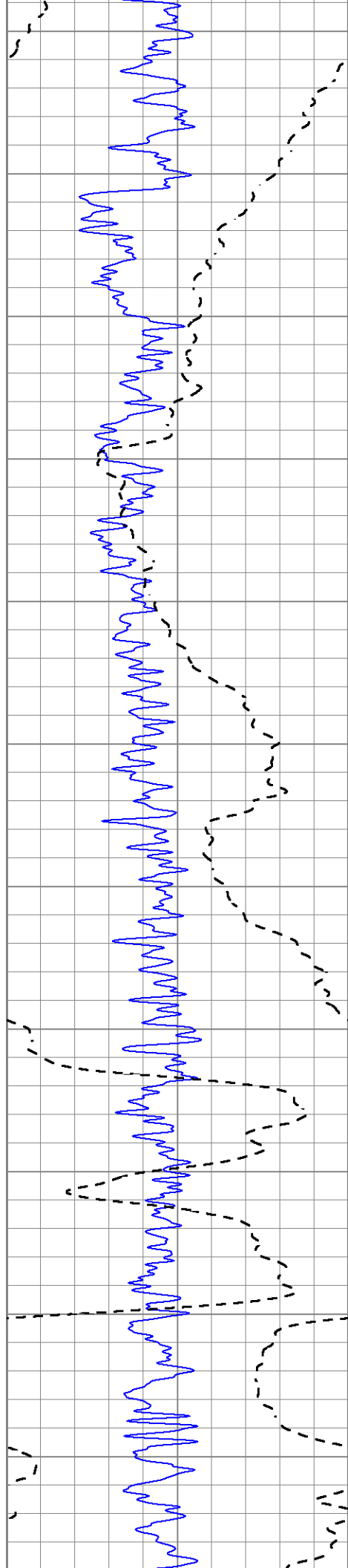


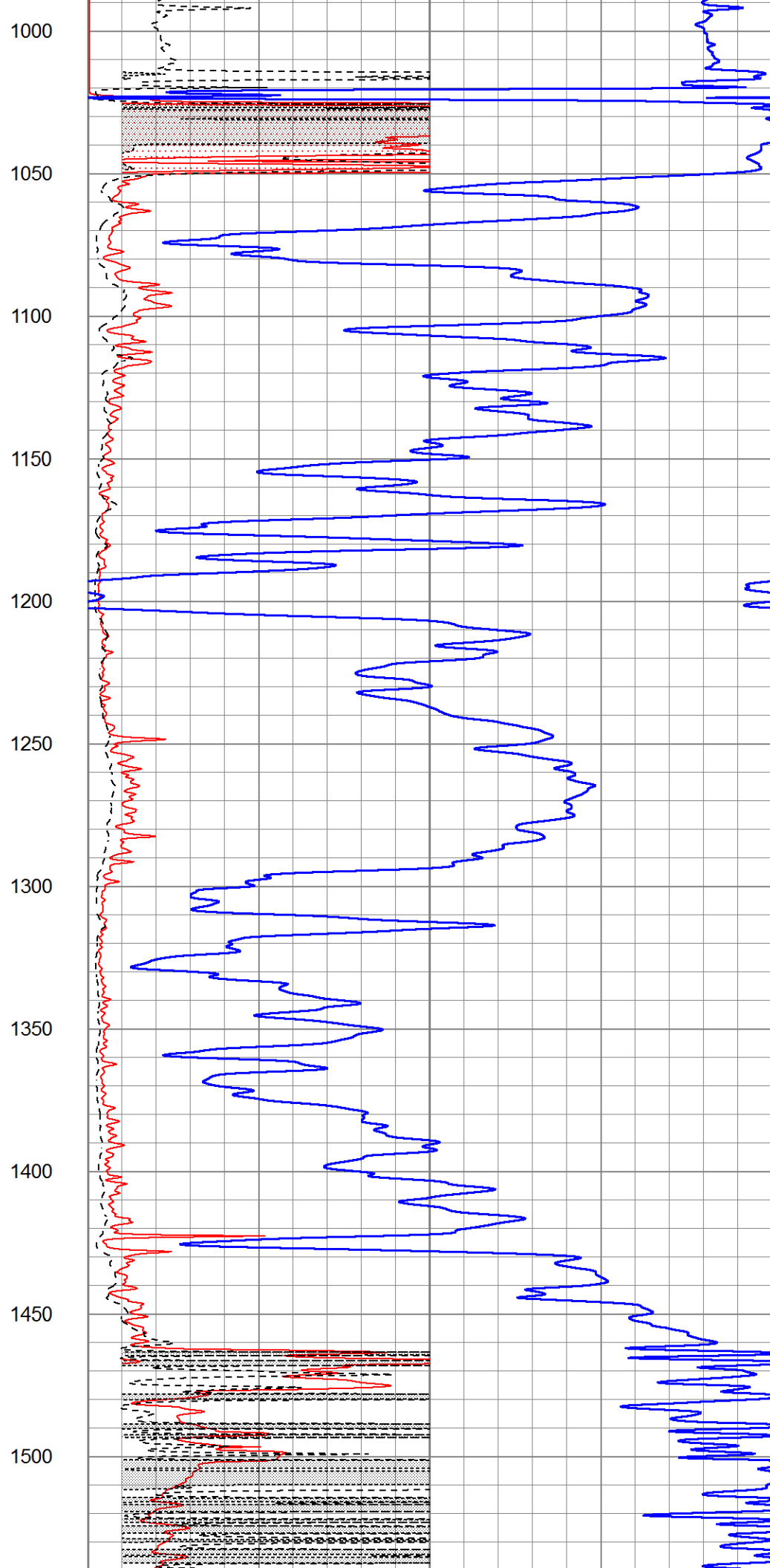
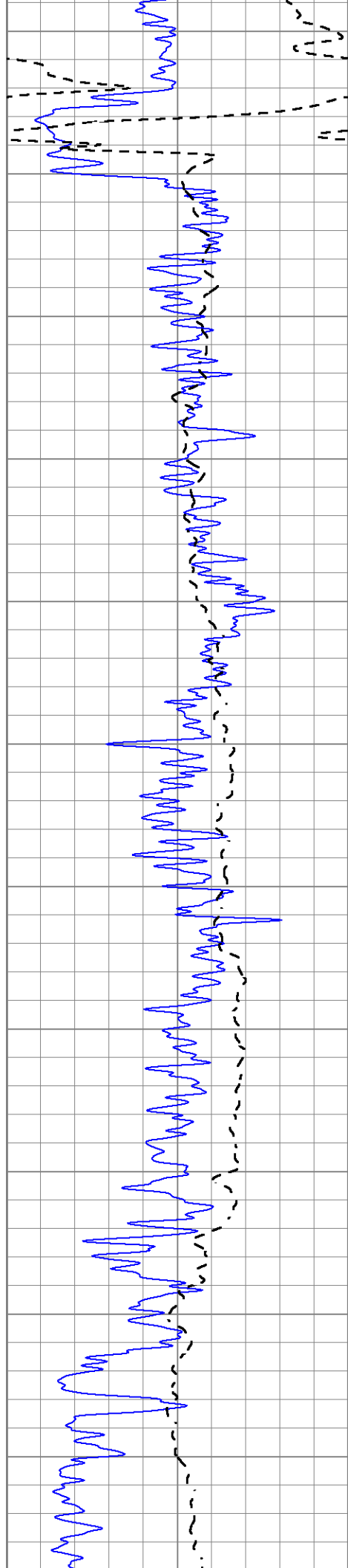
MAIN SECTION

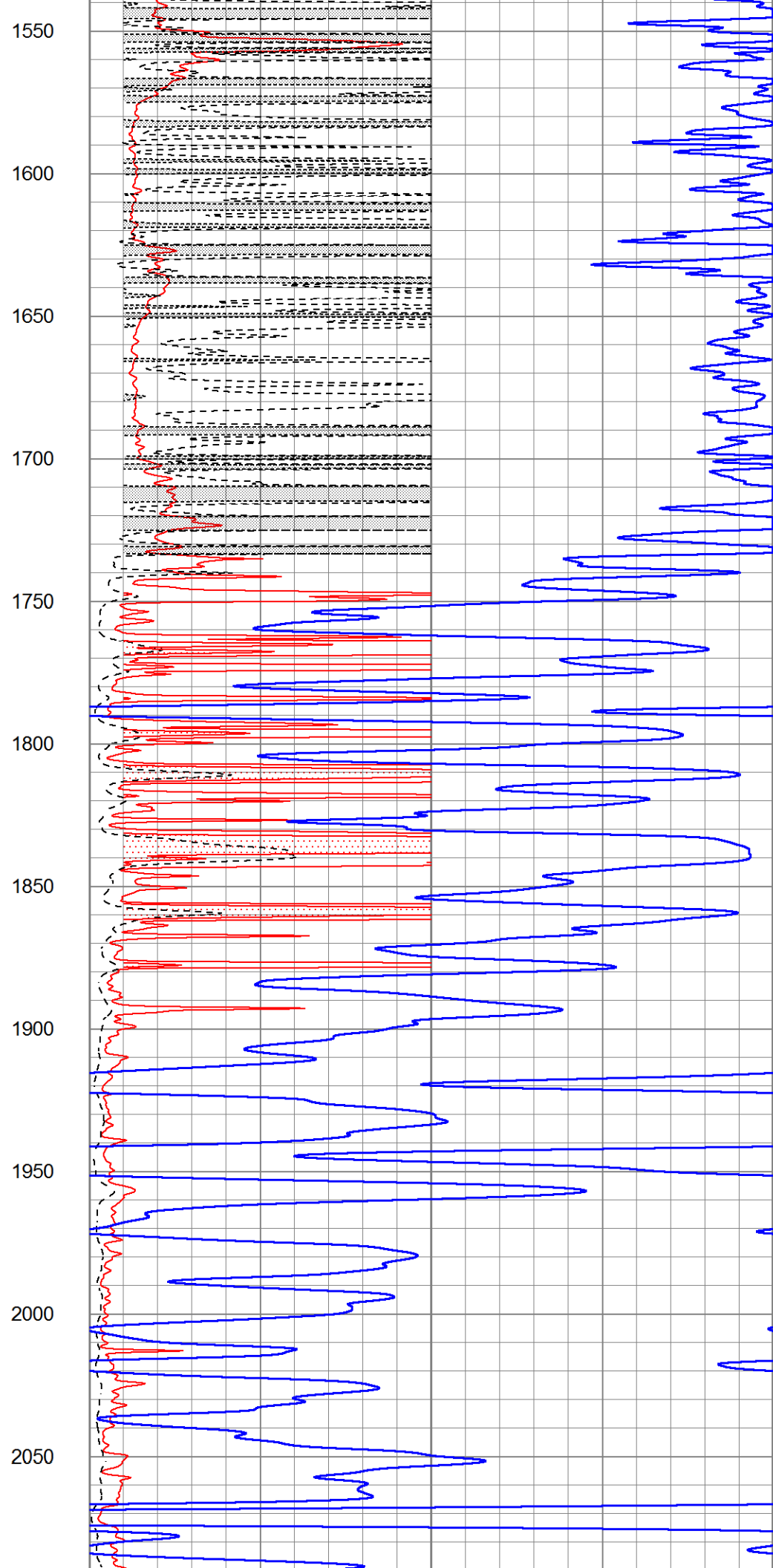
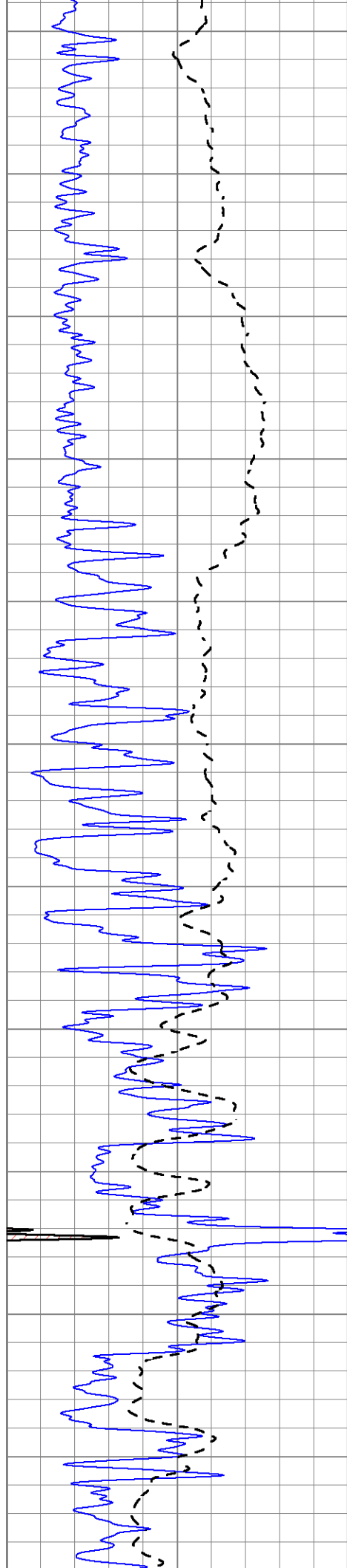
Database File	8675ddn.db
Dataset Pathname	pass4M
Presentation Format	_dil2
Dataset Creation	Thu May 02 09:56:49 2024
Charted by	Depth in Feet scaled 1:600

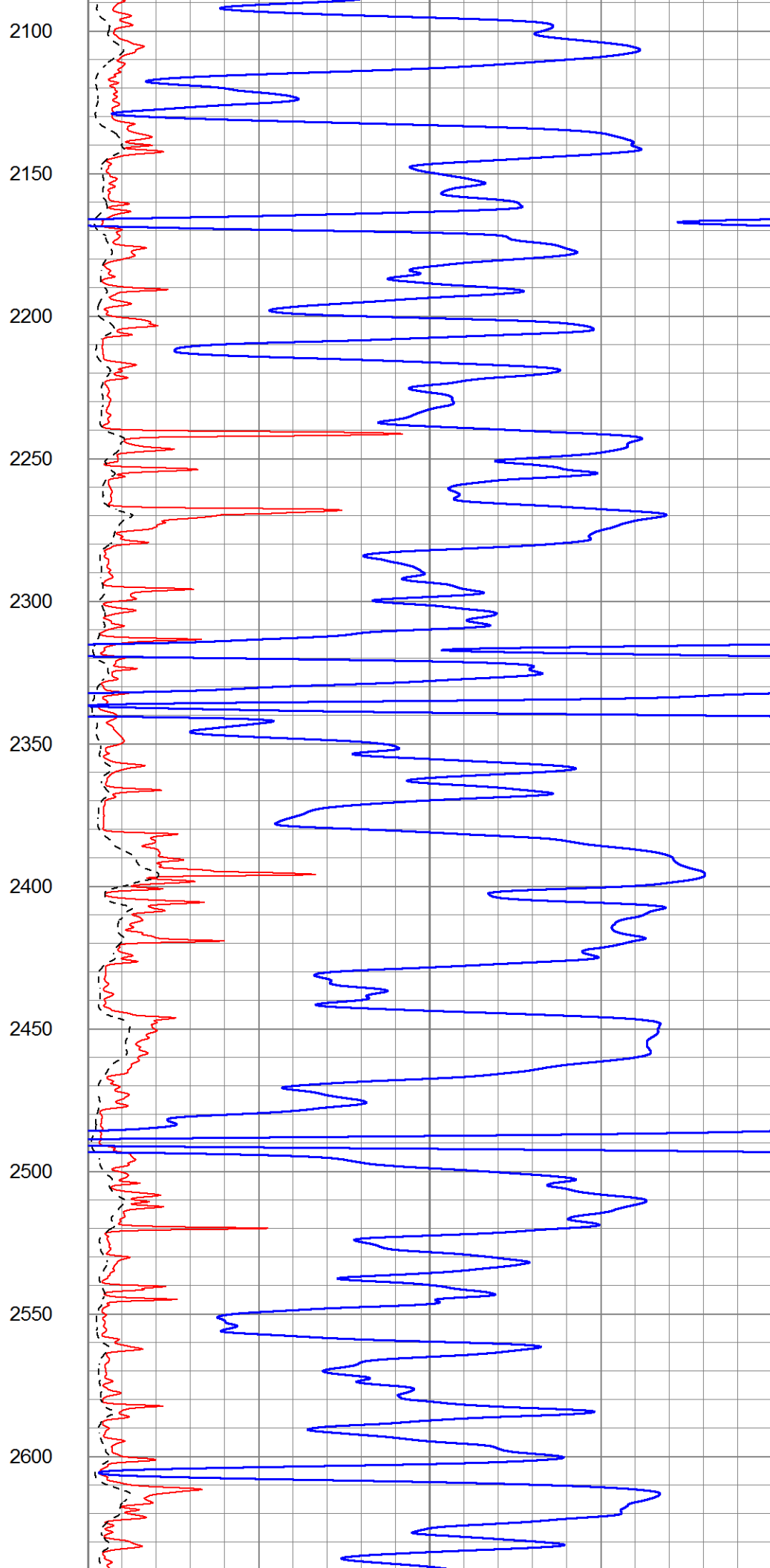
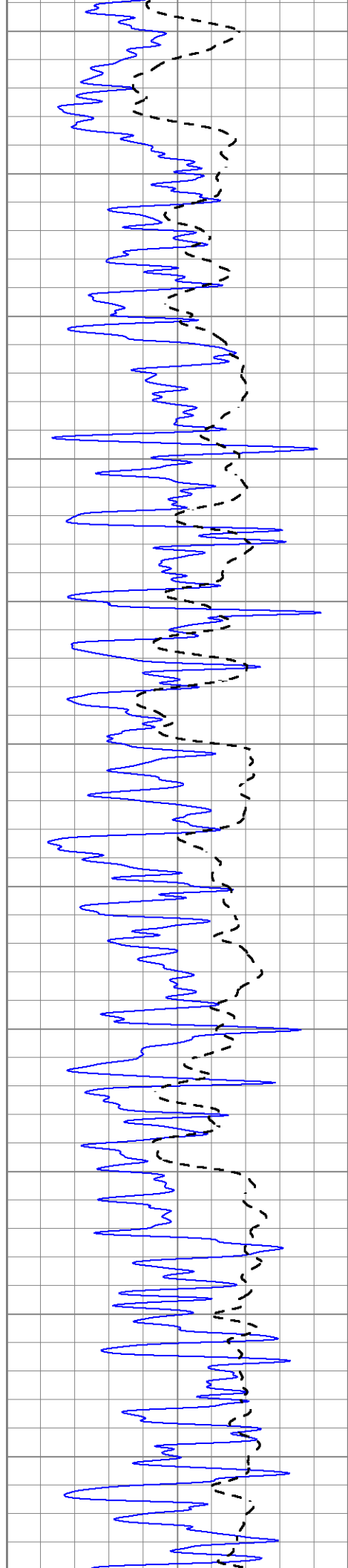
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

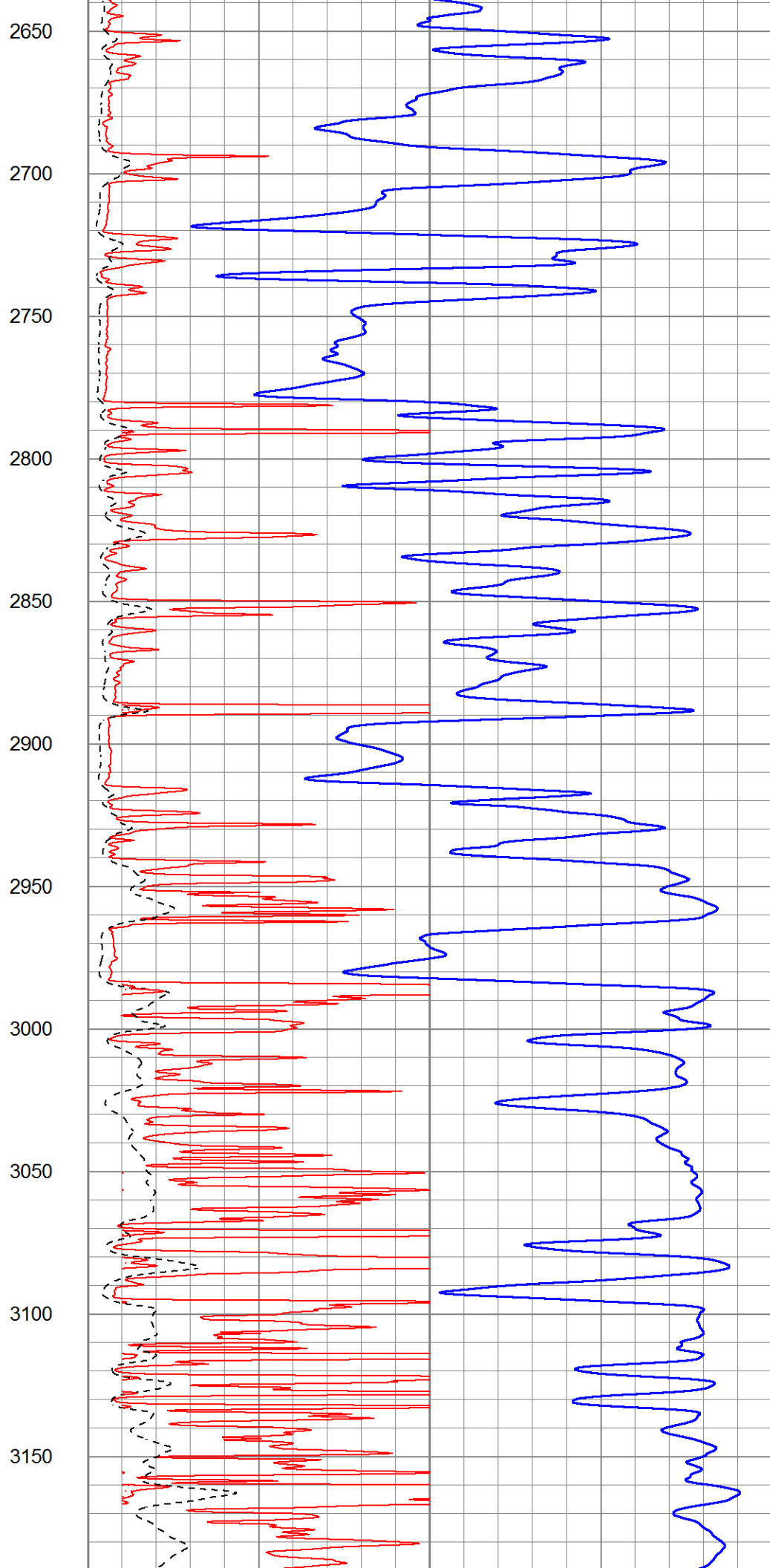
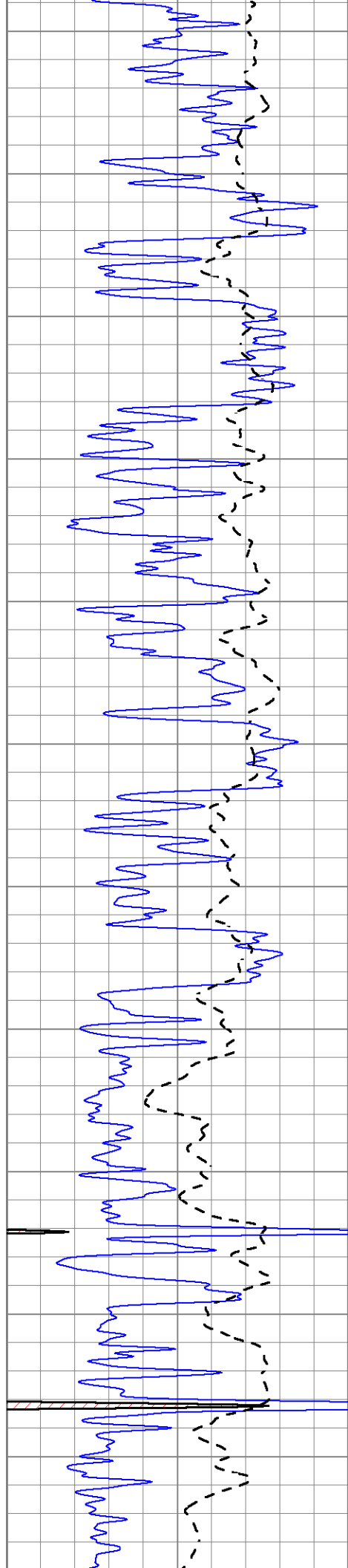


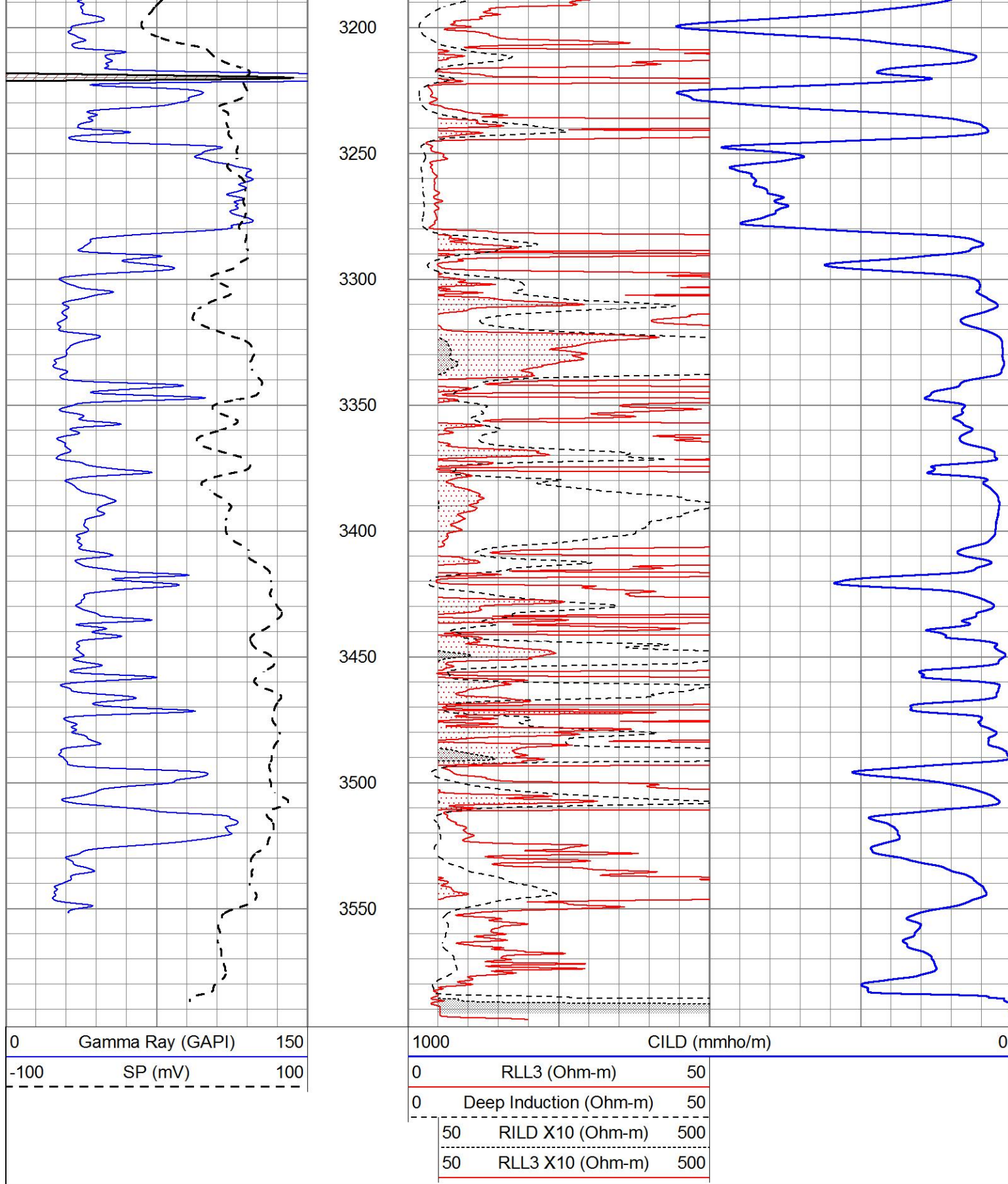




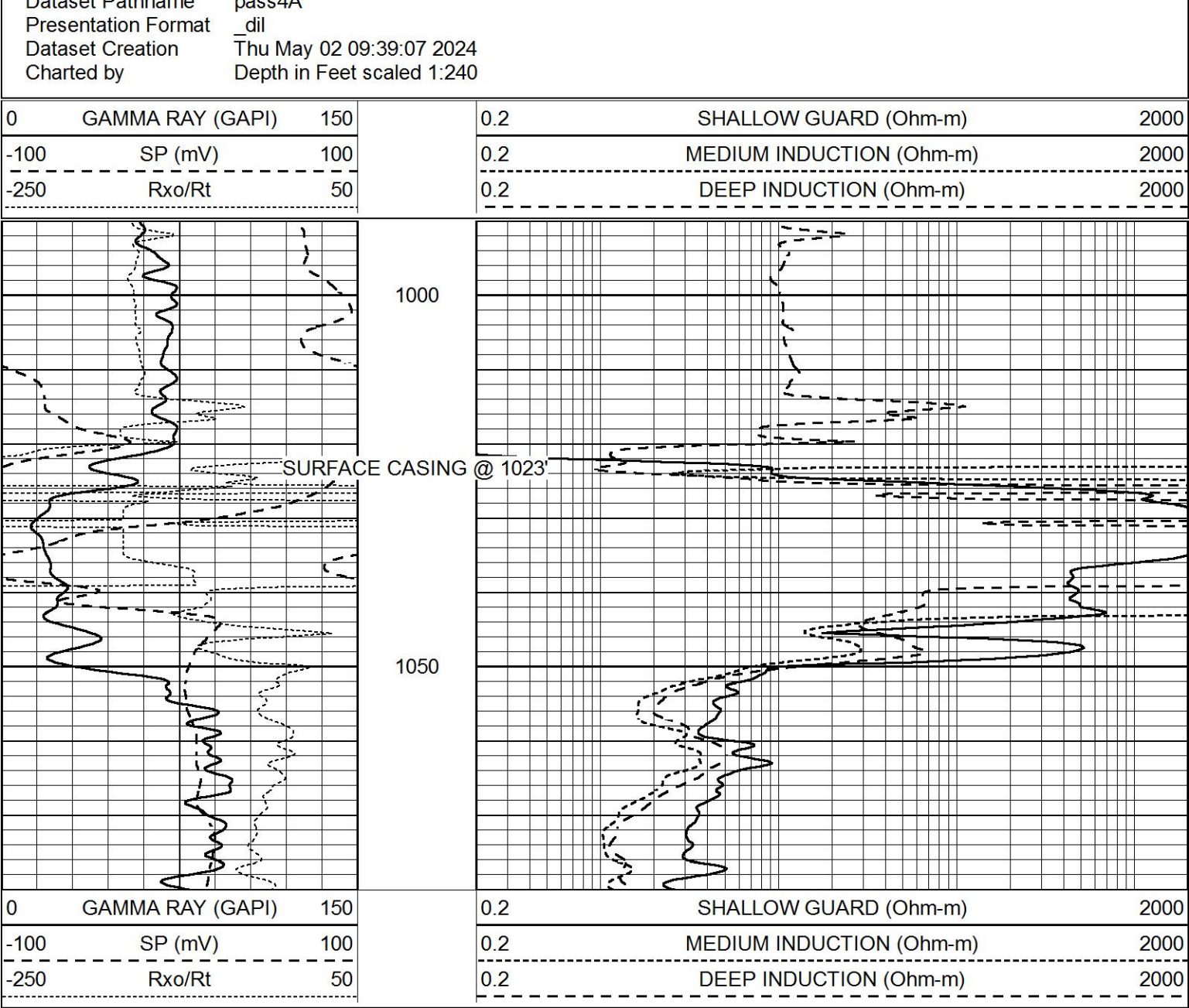




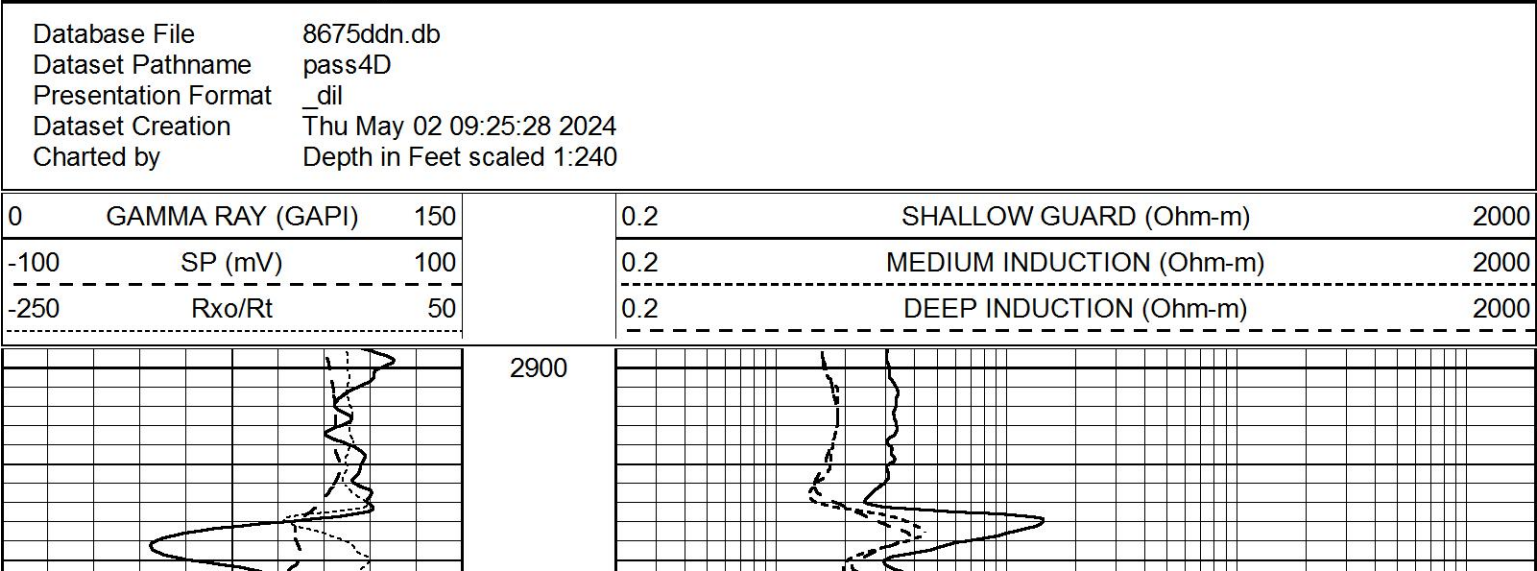


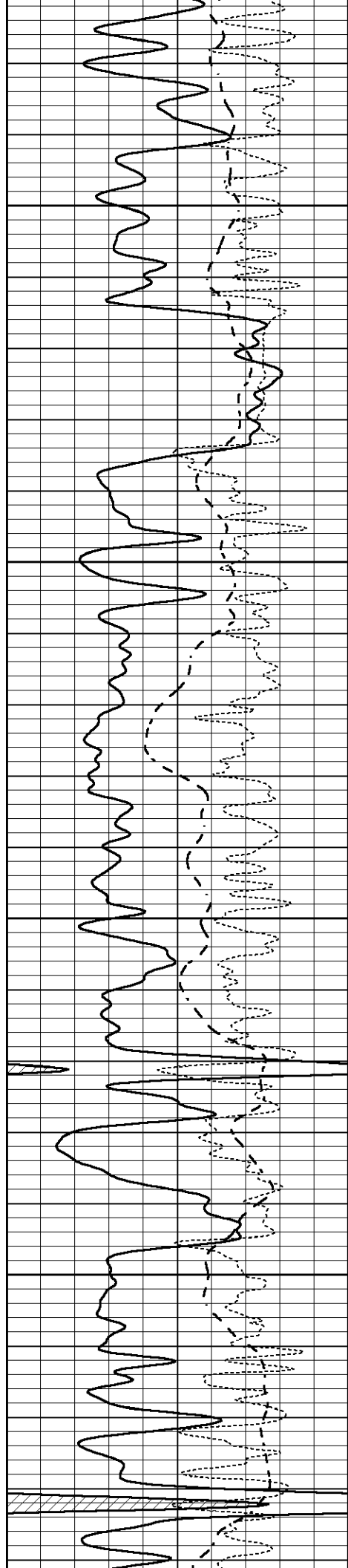


ANHYDRITE



MAIN SECTION



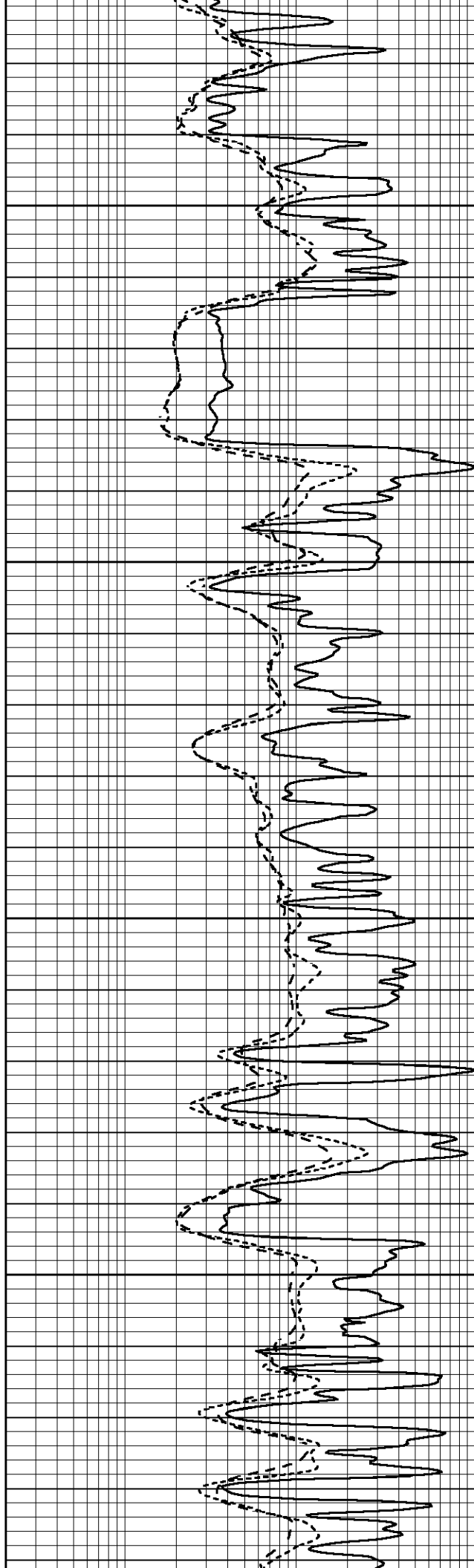


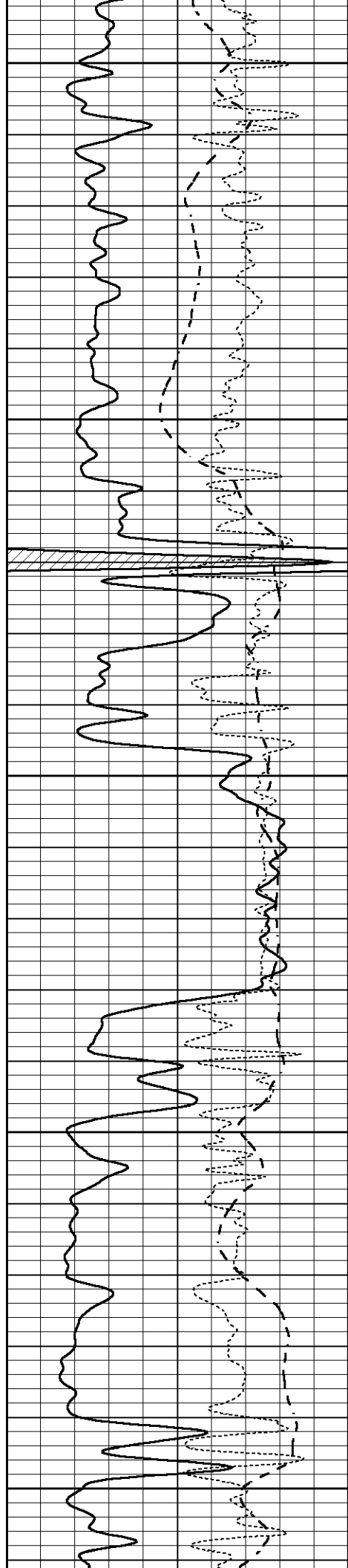
2950

3000

3050

3100





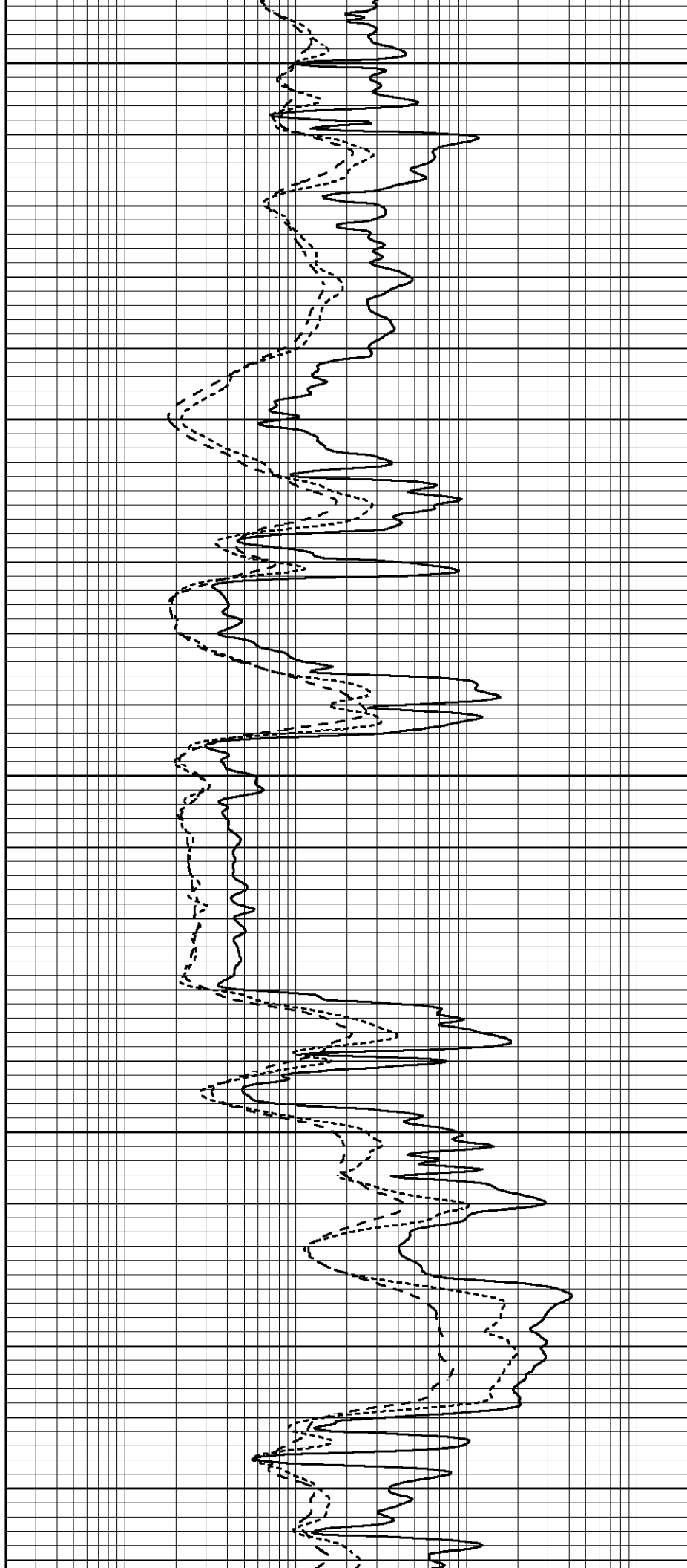
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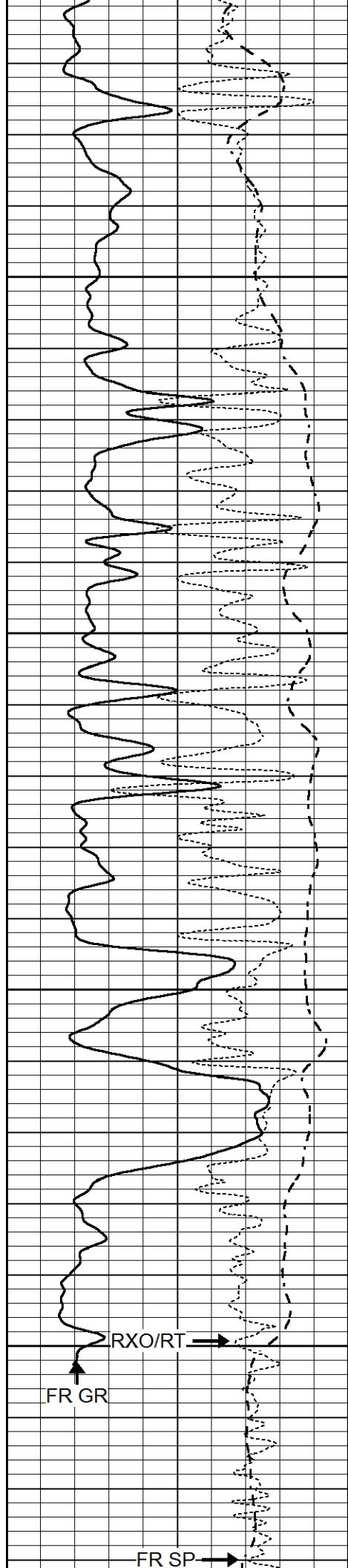
3200

3250

3300

3350



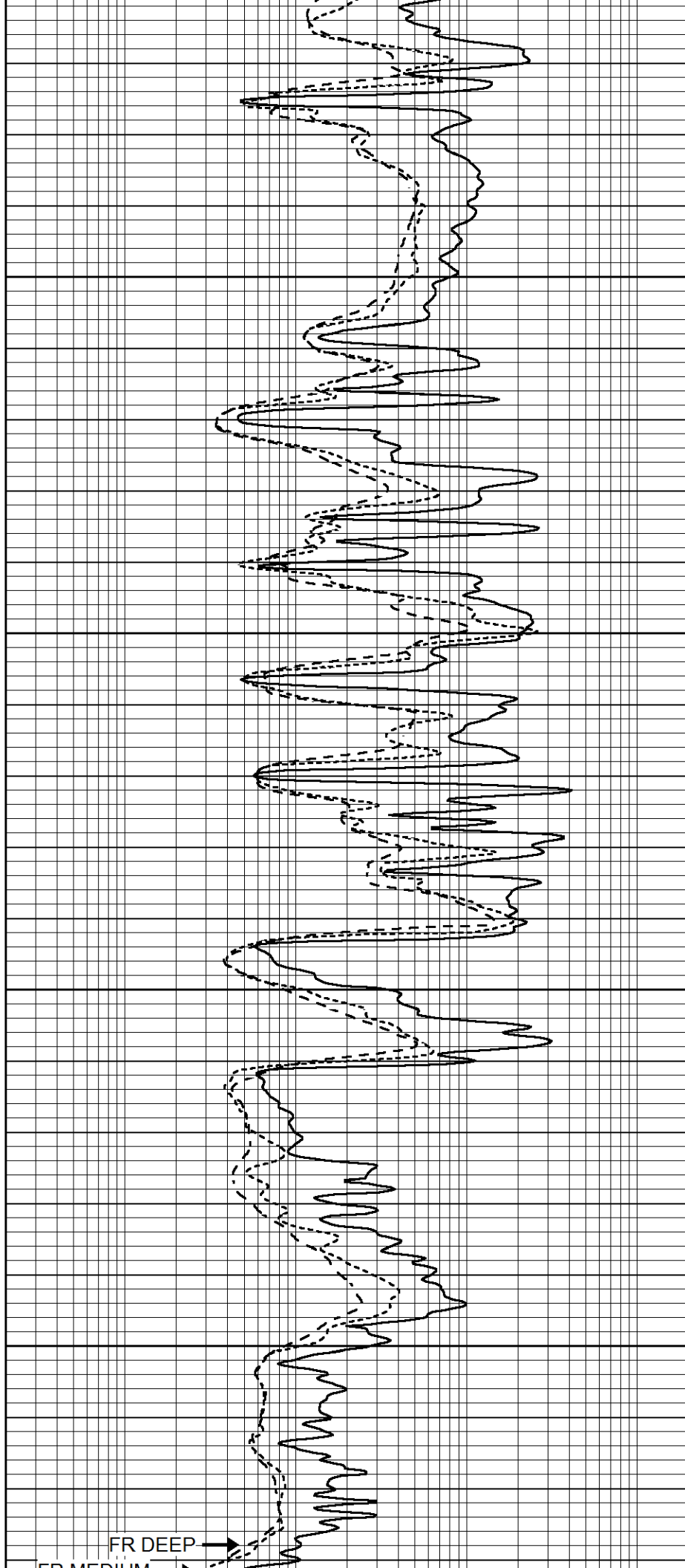


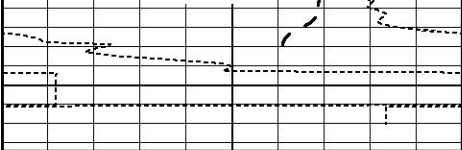
3400

3450

3500

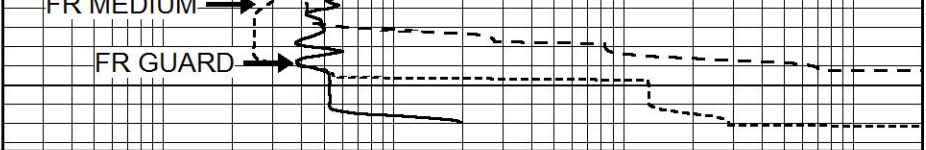
3550





LTD 3590

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

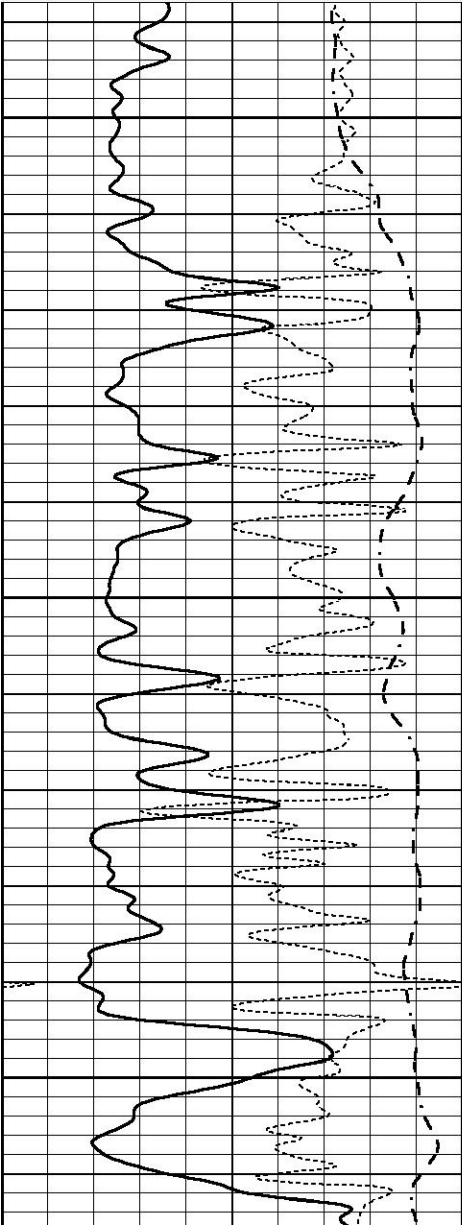


REPEAT SECTION

Database File 8675ddn.db
Dataset Pathname pass3R
Presentation Format _dil
Dataset Creation Thu May 02 09:34:48 2024
Charted by Depth in Feet scaled 1:240

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

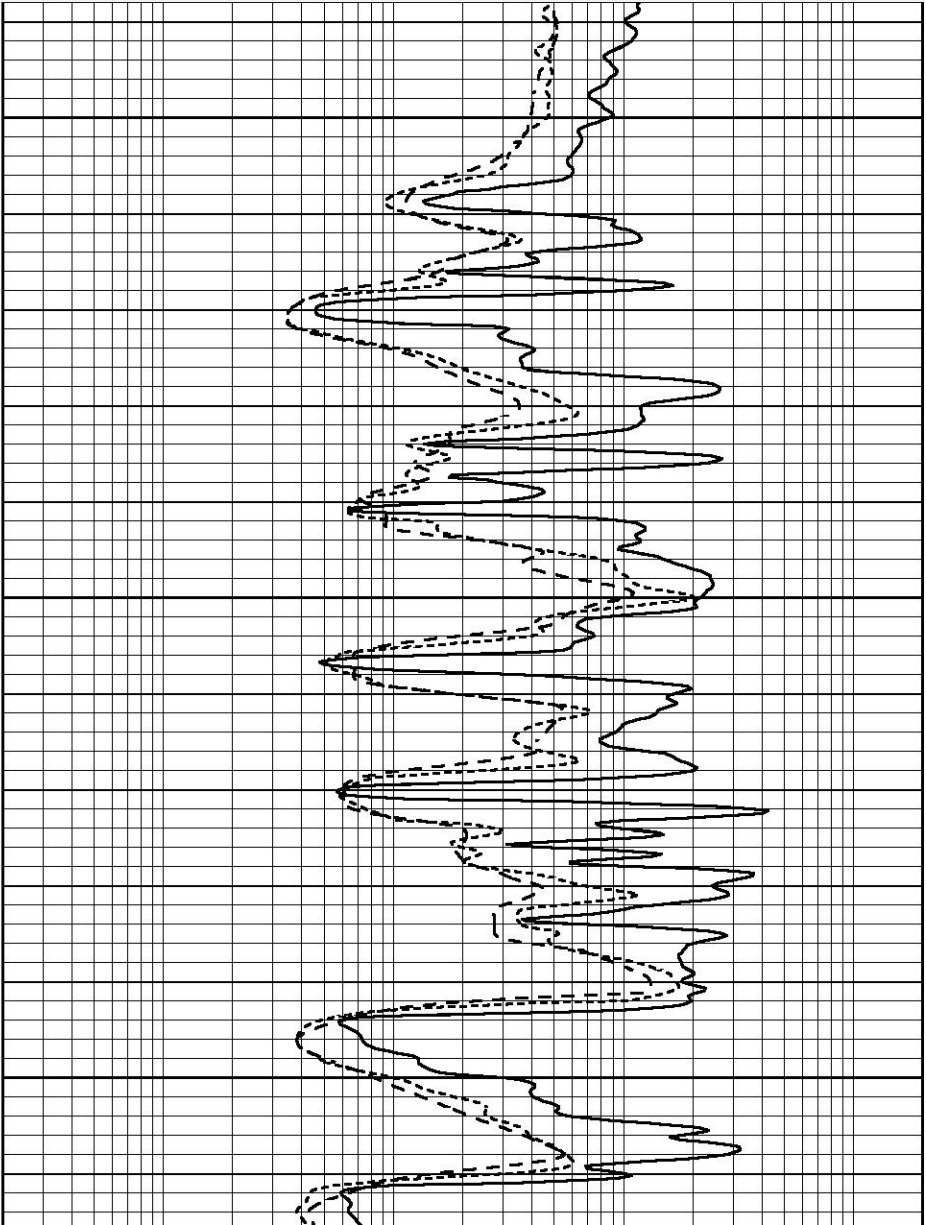
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

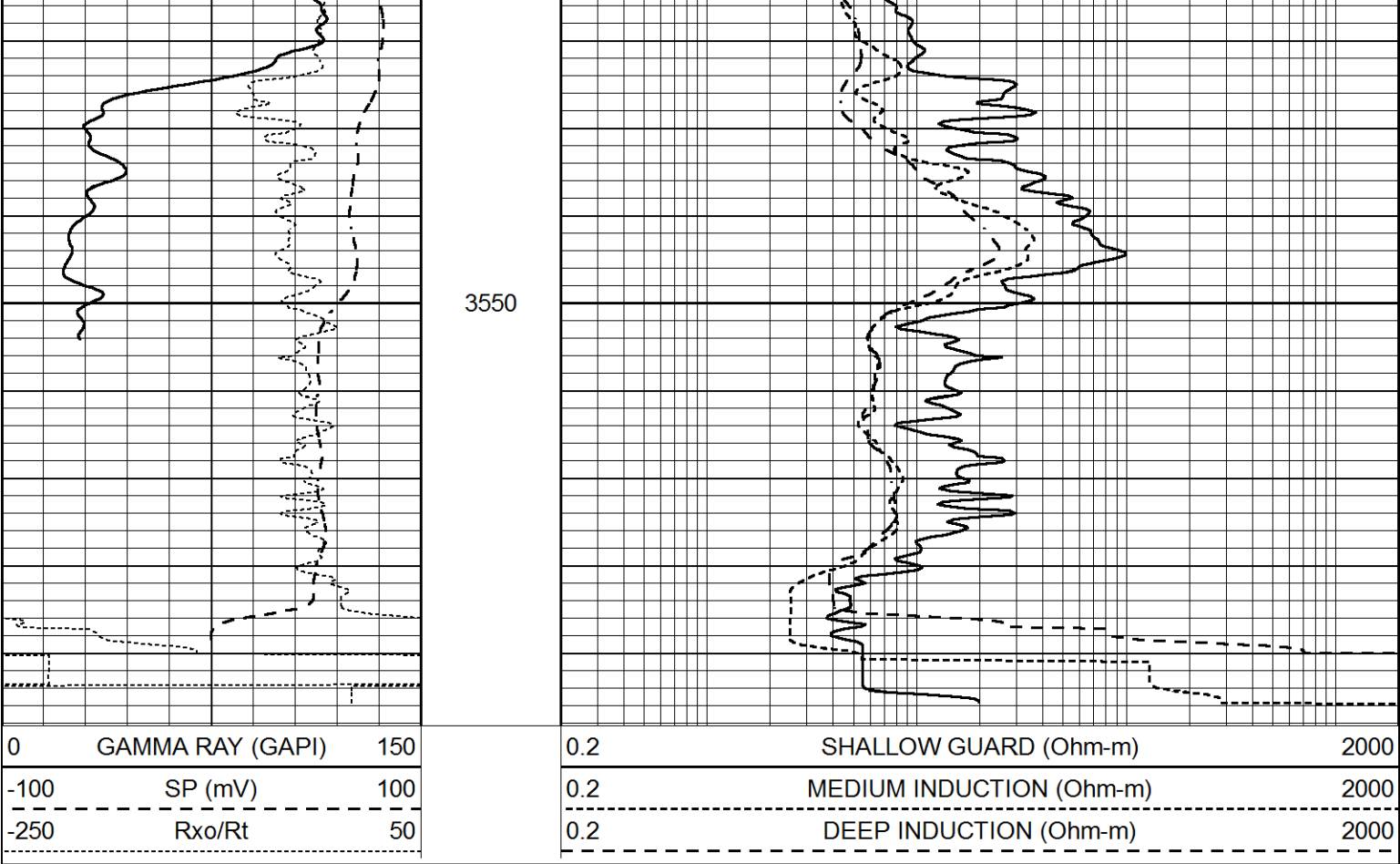


3400

3450

3500





Calibration Report									
Database File	8675ddn.db								
Dataset Pathname	pass4M								
Dataset Creation	Thu May 02 09:56:49 2024								
Dual Induction Calibration Report									
Serial-Model:				FW1410-56-Probe					
Surface Cal Performed:				Tue Apr 30 11:10:17 2024					
Downhole Cal Performed:				Tue Jul 25 12:15:37 2017					
After Survey Verification Performed:				Tue Jul 25 12:15:38 2017					
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.008	0.765	V	1.000	400.000	mmho/m	520.000	21.000	
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	550.000	160.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034	
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532	
Downhole Calibration									
		Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058	
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280	
LL3		7.471	V		2500.000	Ohm-m			
		0.001	V		20.000	Ohm-m			
		-7.085	V		4000.000	mmho-m			

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	