



DUAL INDUCTION LOG

Company	JASPAR COMPANY, INC.	Company	JASPAR COMPANY, INC.
Well	BJW #5	Well	BJW #5
Field	EDGAR SOUTHWEST	Field	EDGAR SOUTHWEST
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24499-0000	Other Services	
Permanent Datum	1097 FNL & 1985 FEL SE - SW - NW - NE	CDL/CNL MEL/SON	
Log Measured From	SEC 10 TWP 6S RGE 20W	Elevation	
Drilling Measured From	GROUND LEVEL Elevation 2151 KELLY BUSHING 7' A.G.L KELLY BUSHING	K.B. 2158 D.F. 2156 G.L. 2151	
Date	3/24/24		
Run Number	ONE		
Depth Driller	3629		
Depth Logger	3628		
Bottom Logged Interval	3626		
Top Log Interval	00		
Casing Driller	8.625 @ 218		
Casing Logger	218		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 900 PPM	
Density / Viscosity	9.3/54		
pH / Fluid Loss	9.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.10 @ 70F		
Rmf @ Meas. Temp	1.58 @ 70F		
Rmc @ Meas. Temp	2.52 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.30 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5.00 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	CAMERON BRIN		

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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

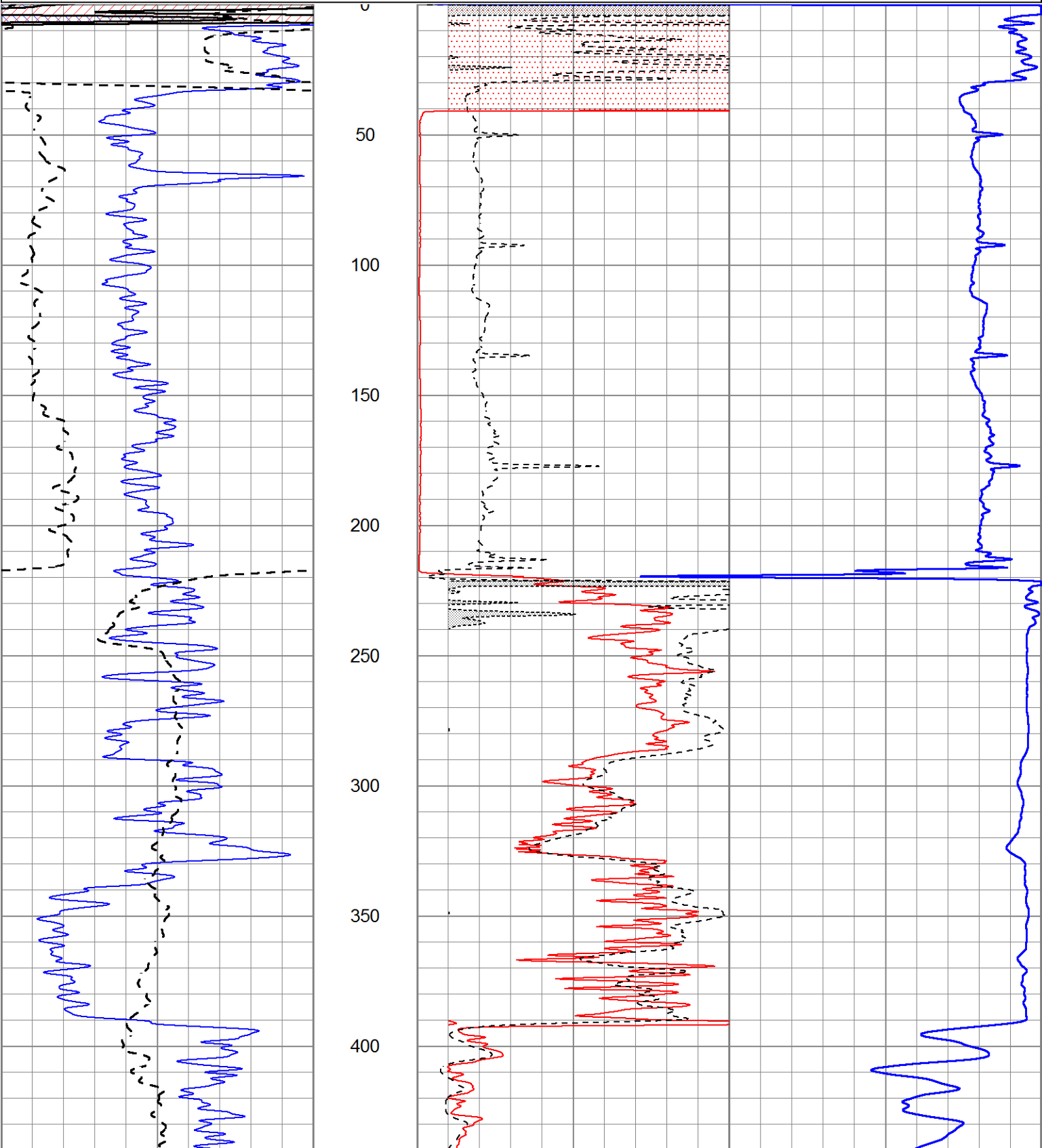
DIRECTIONS:

FROM STOCKTON, KANSAS GO NORTH ON HIGHWAY 183 FOR 5 MILES TO 'E' ROAD, WEST TO 5 P
NORTH 2 3/4 MILES, WEST INTO OVER CATTLE GUARD

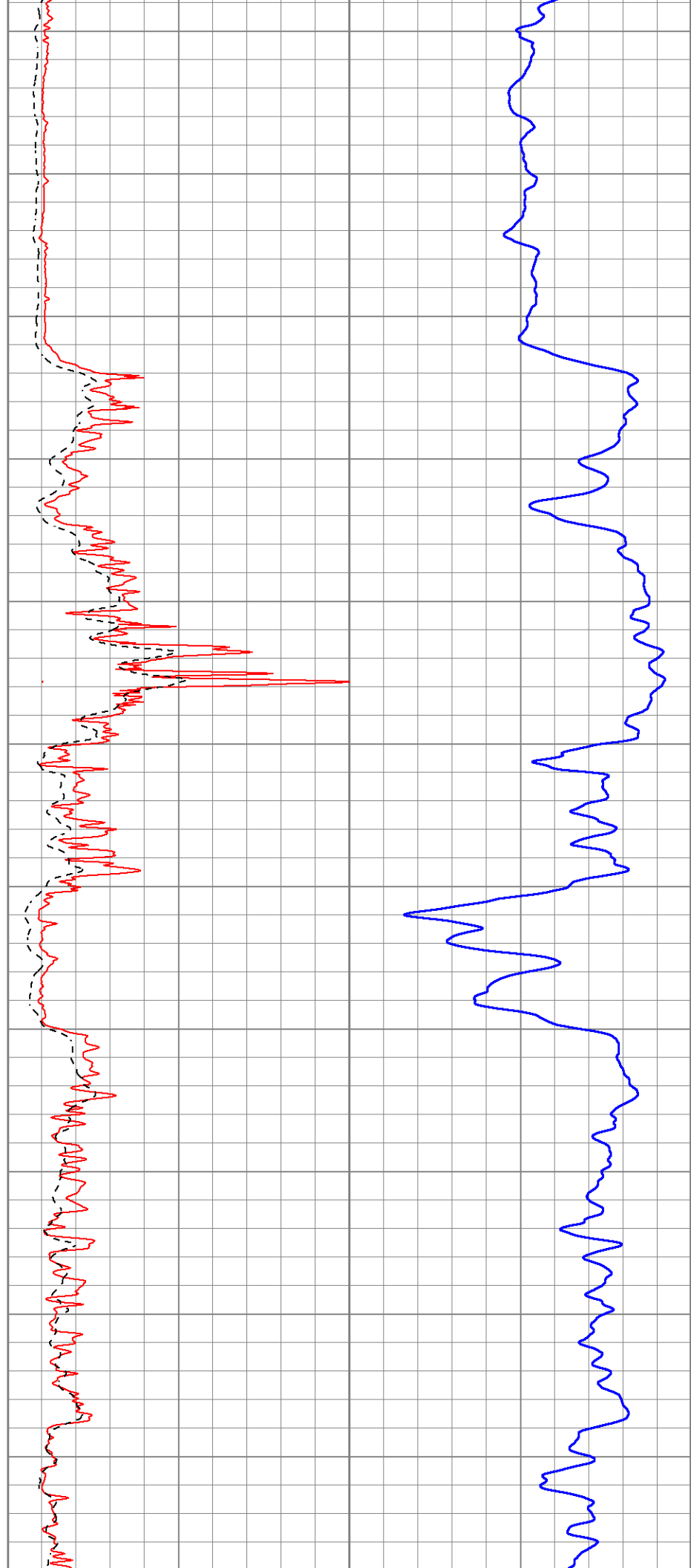
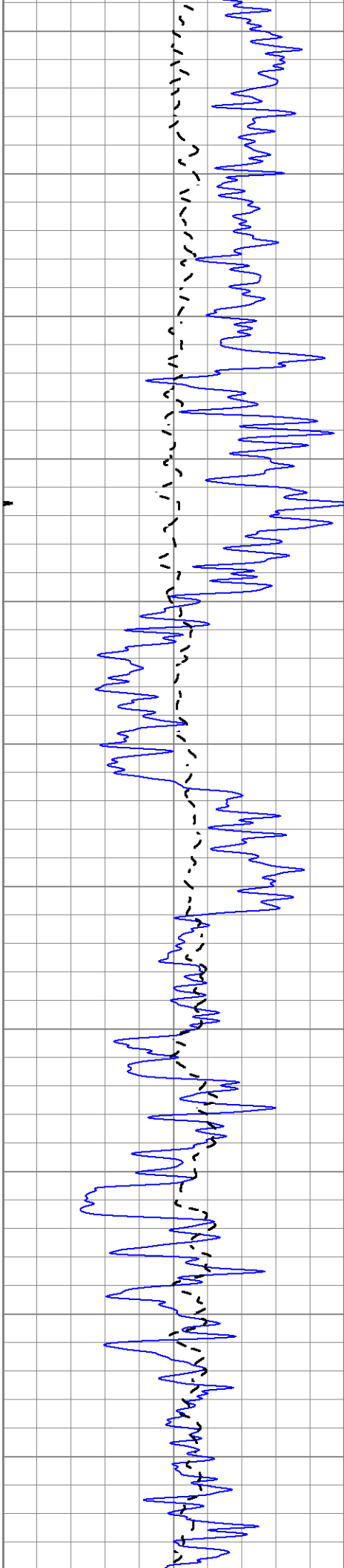


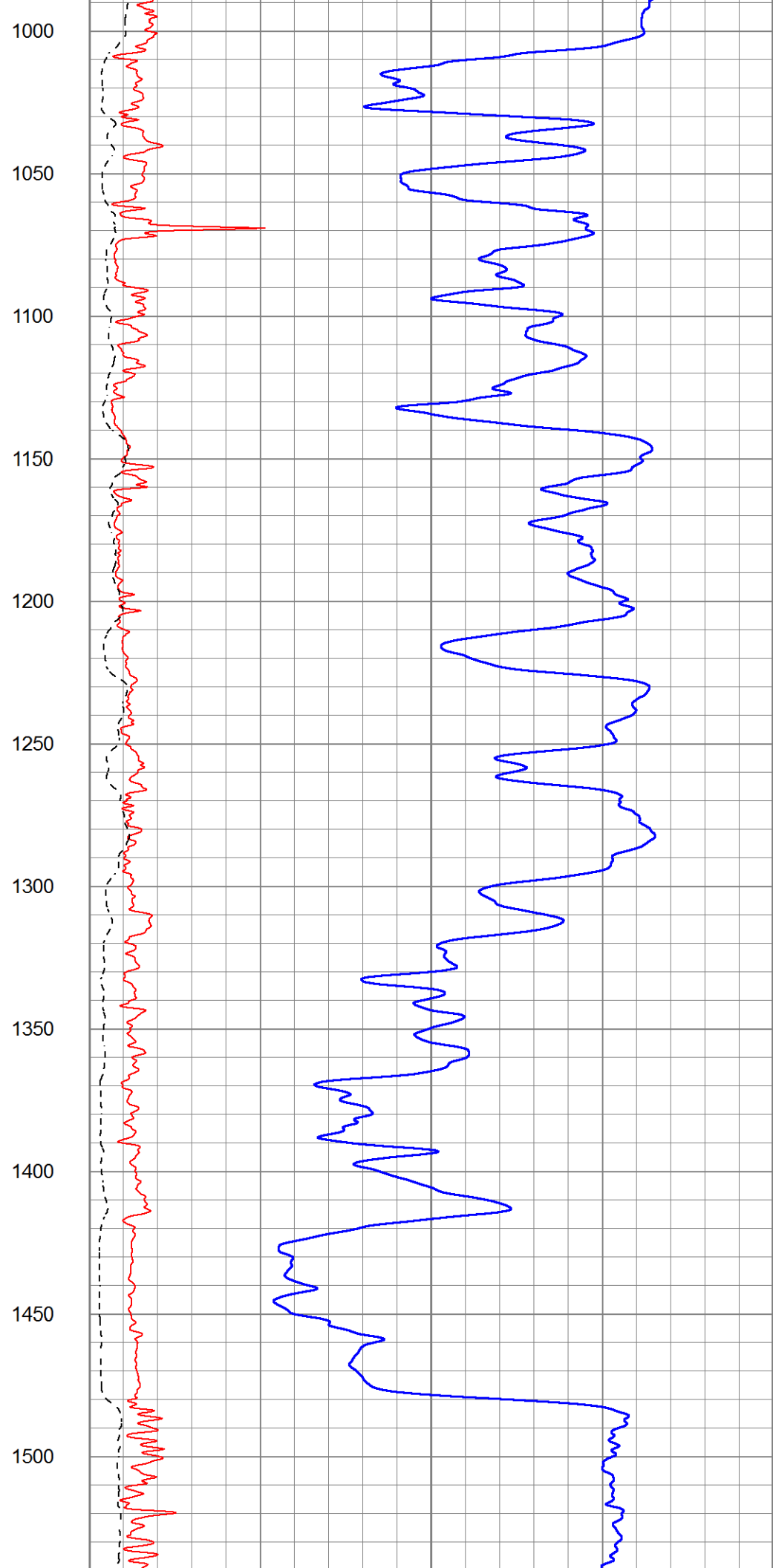
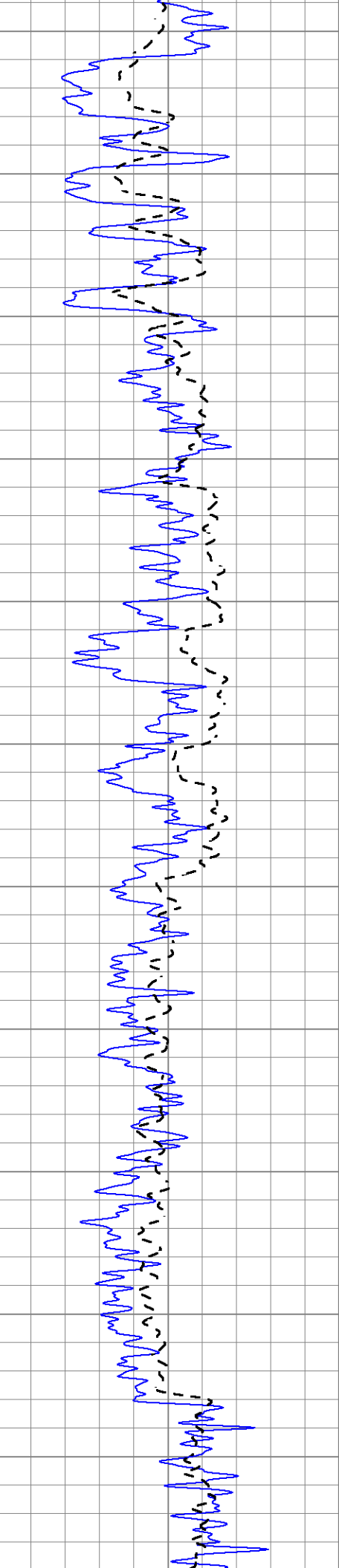
MAIN SECTION

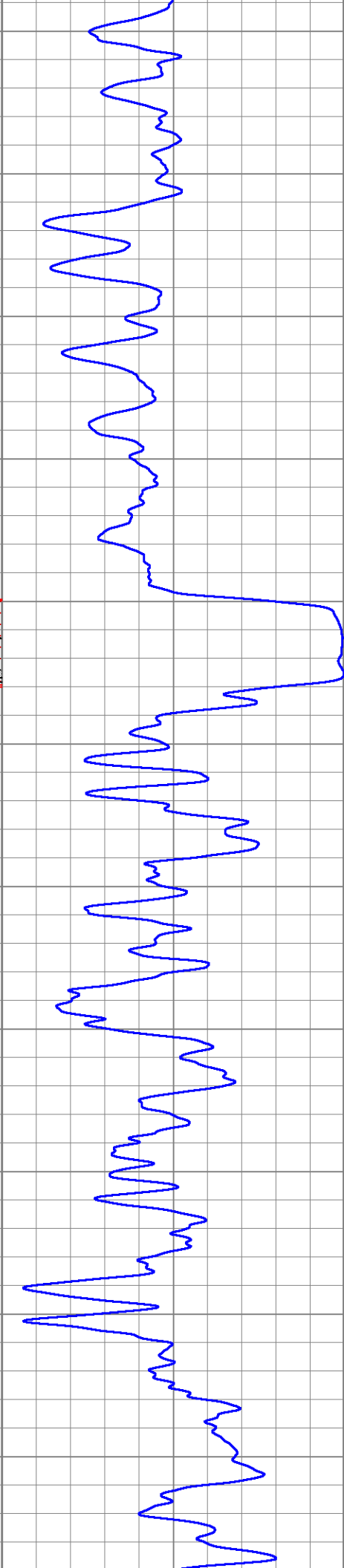
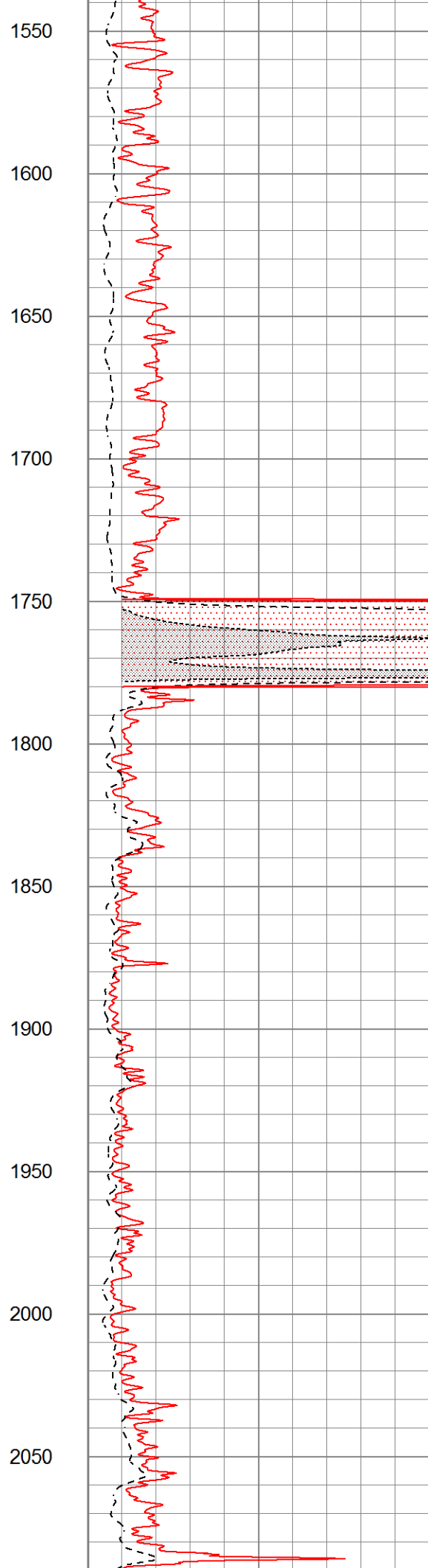
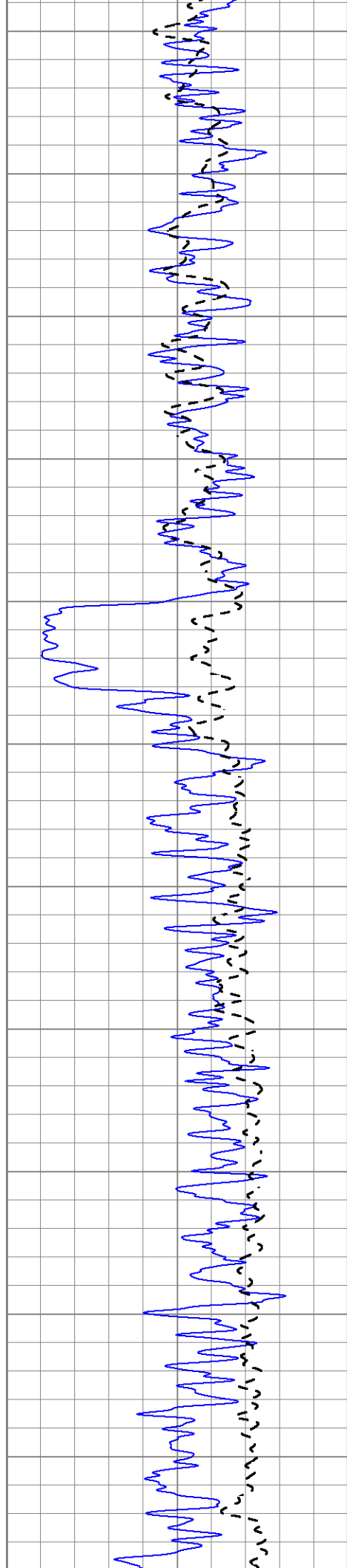
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

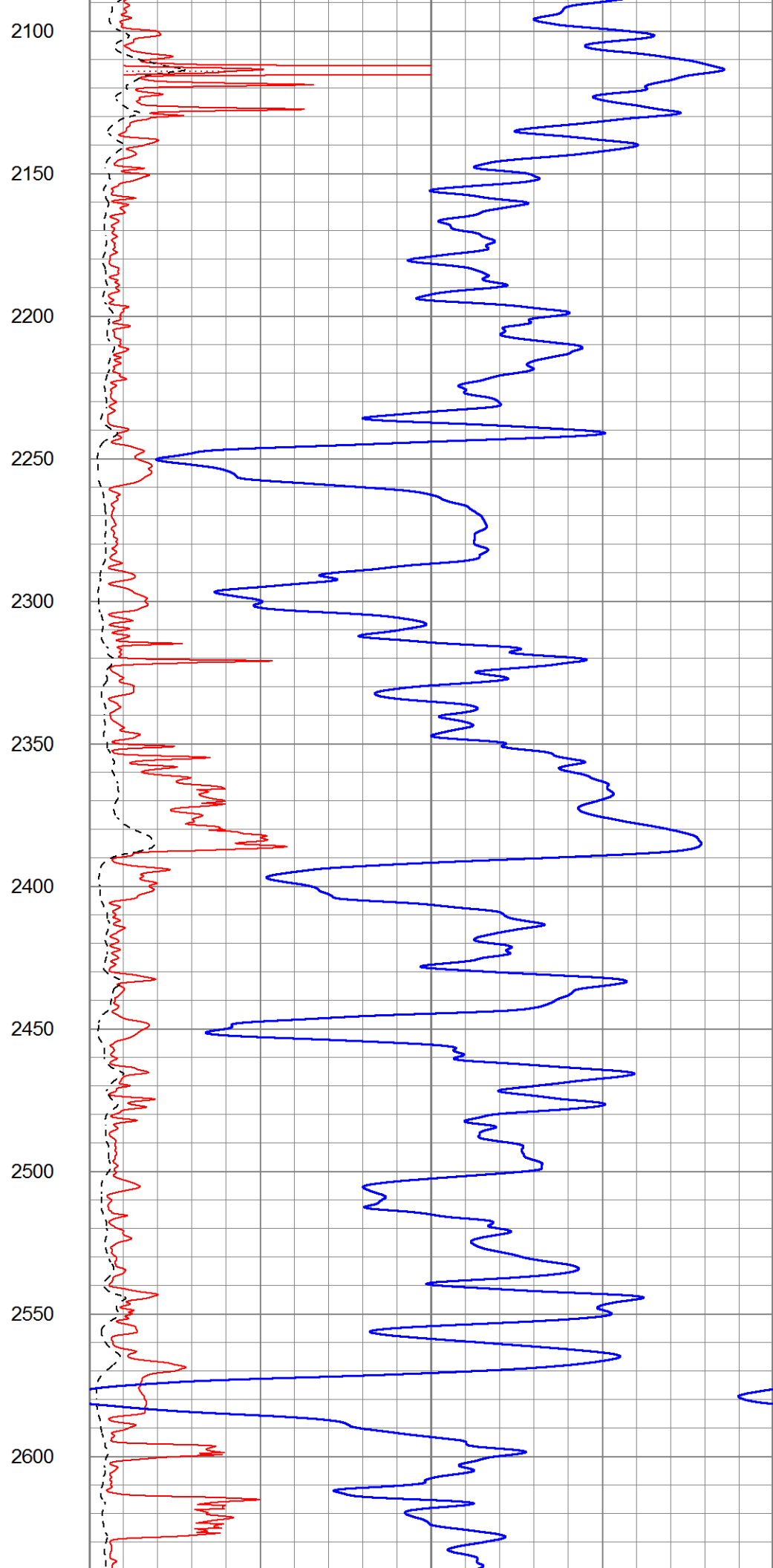
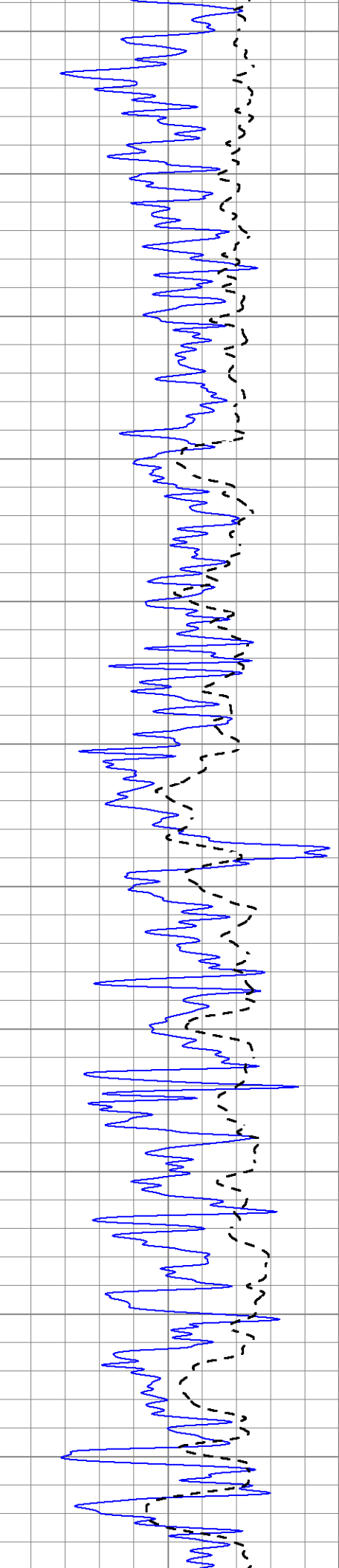


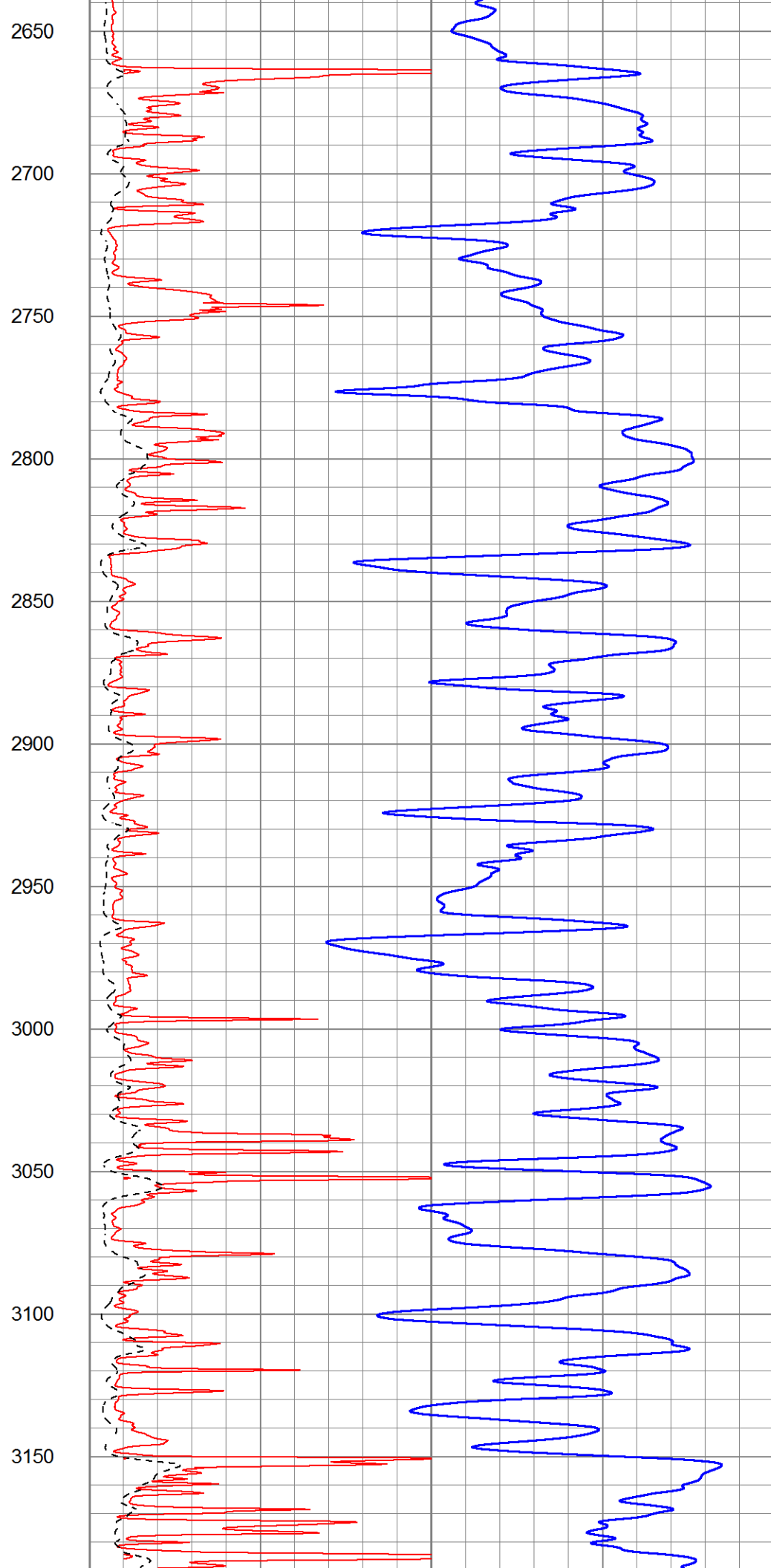
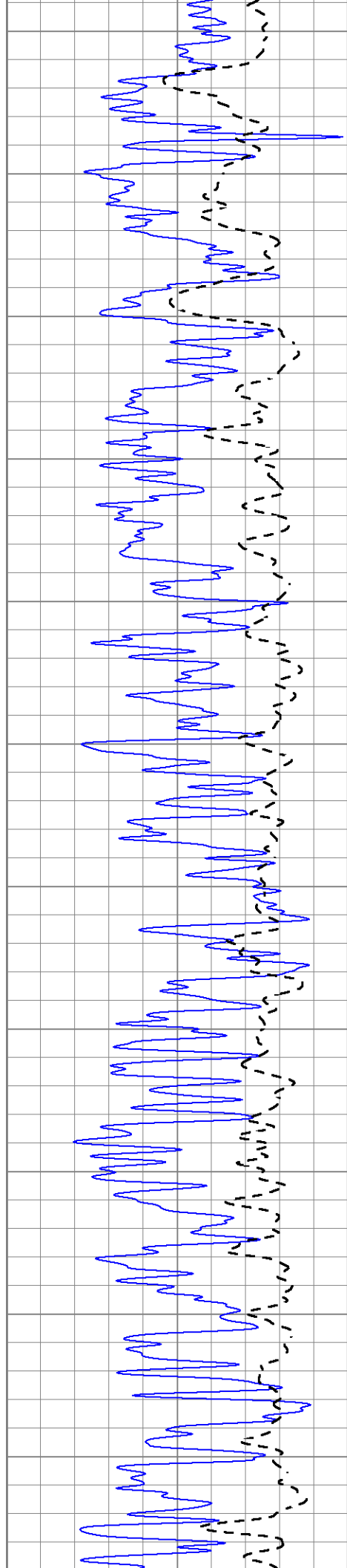
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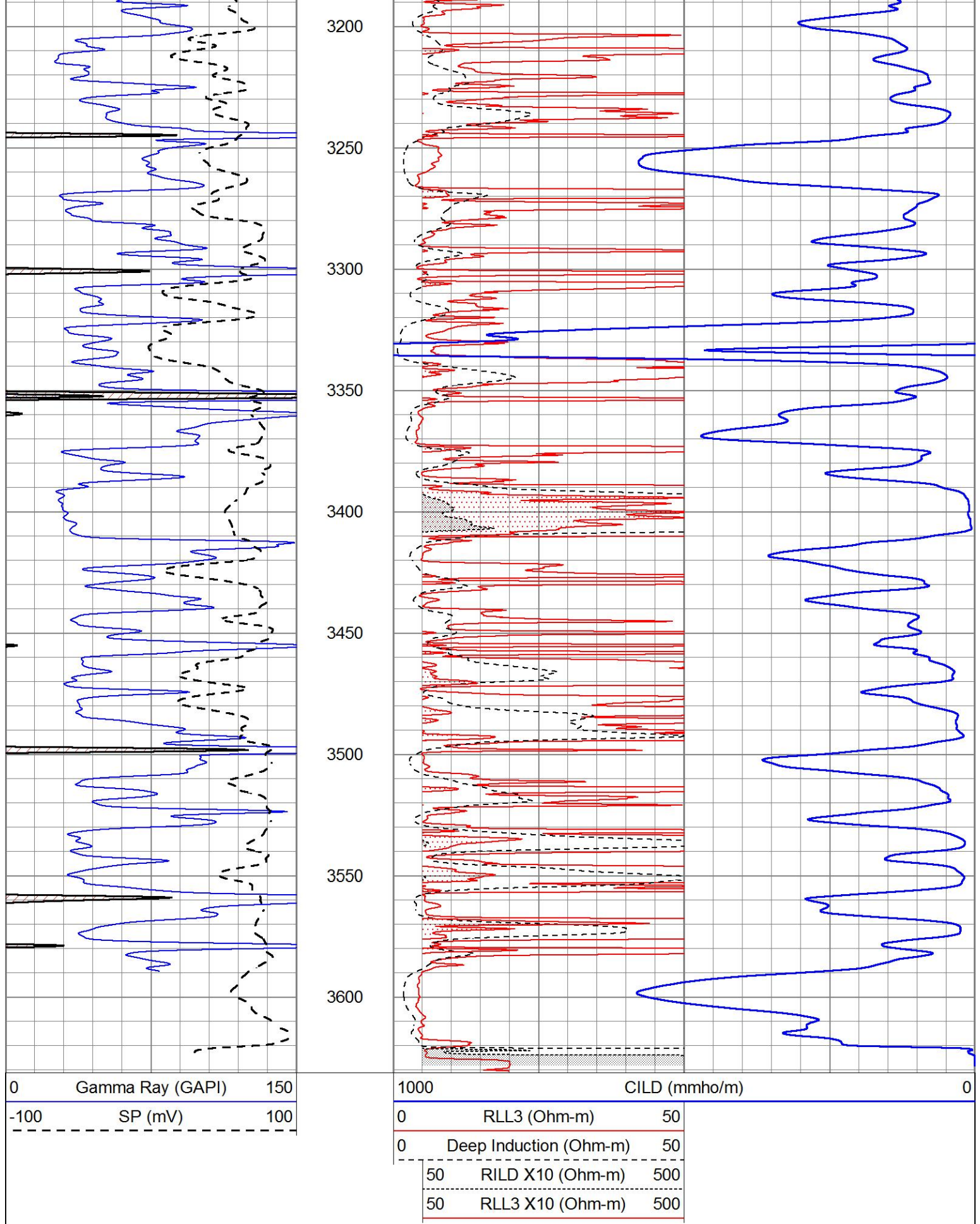








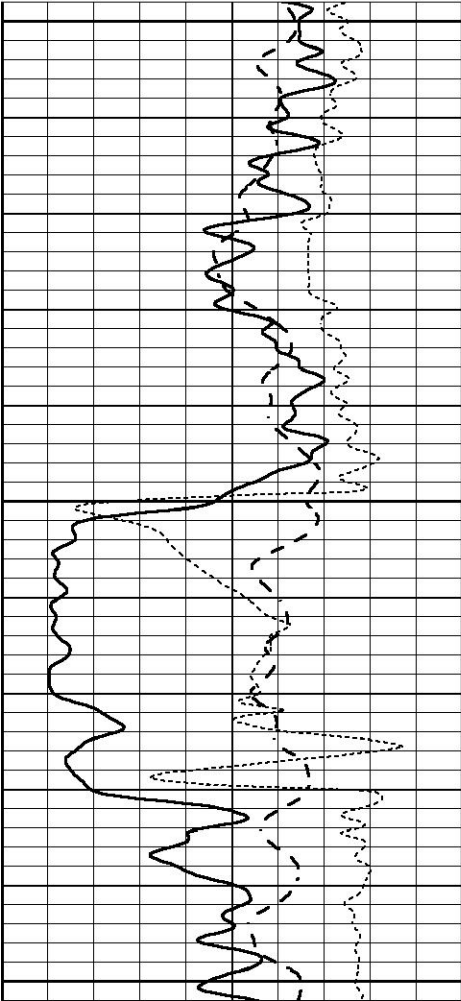




ANHYDRITE

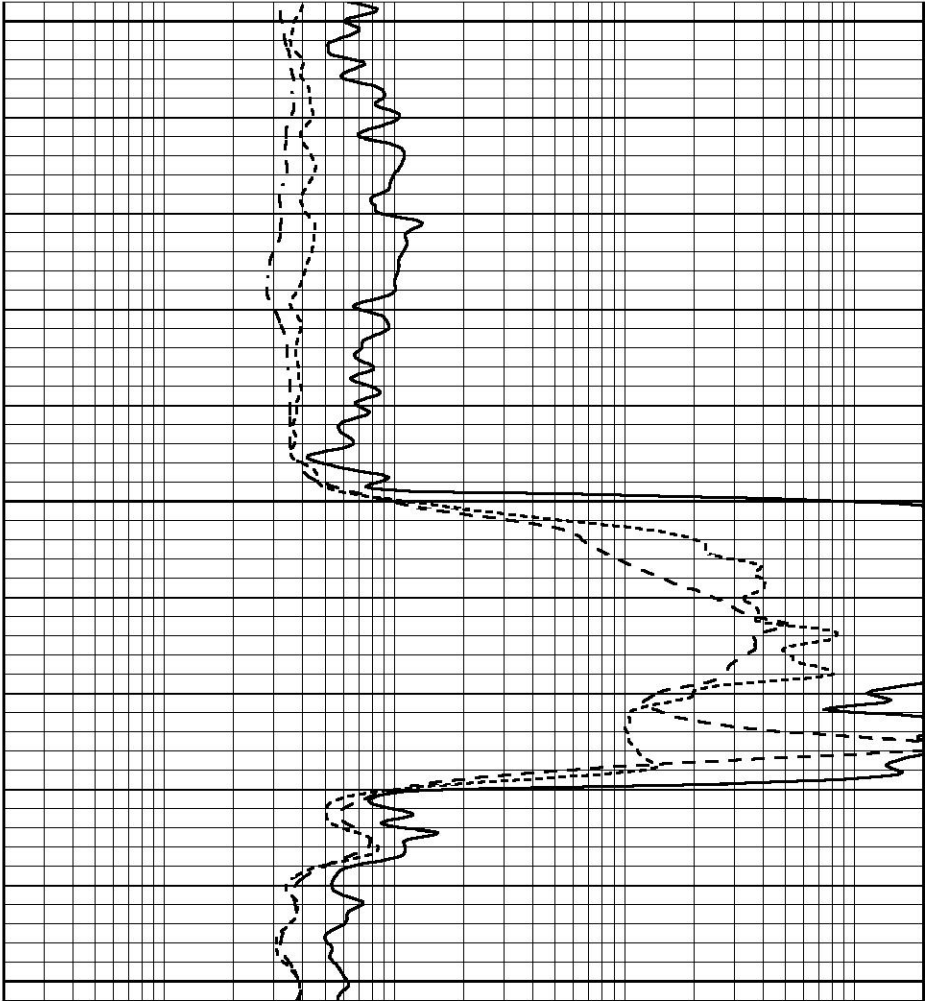
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Dataset Pathname pass3A
Presentation Format _dil
Dataset Creation Sun Mar 24 17:33:42 2024
Charted by Depth in Feet scaled 1:240

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

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

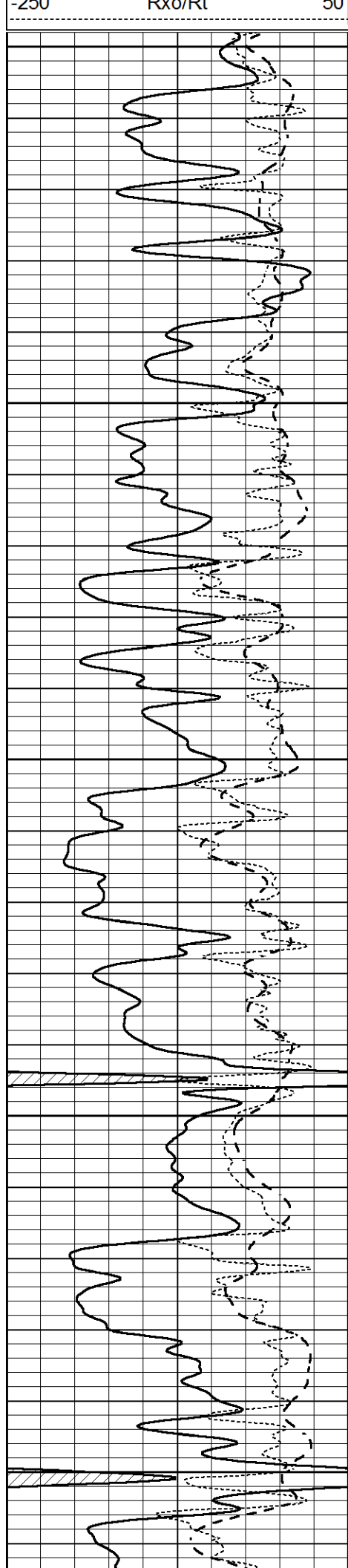


MAIN SECTION

Database File 8654ddn.db
Dataset Pathname pass3D
Presentation Format _dil
Dataset Creation Sun Mar 24 17:24:07 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



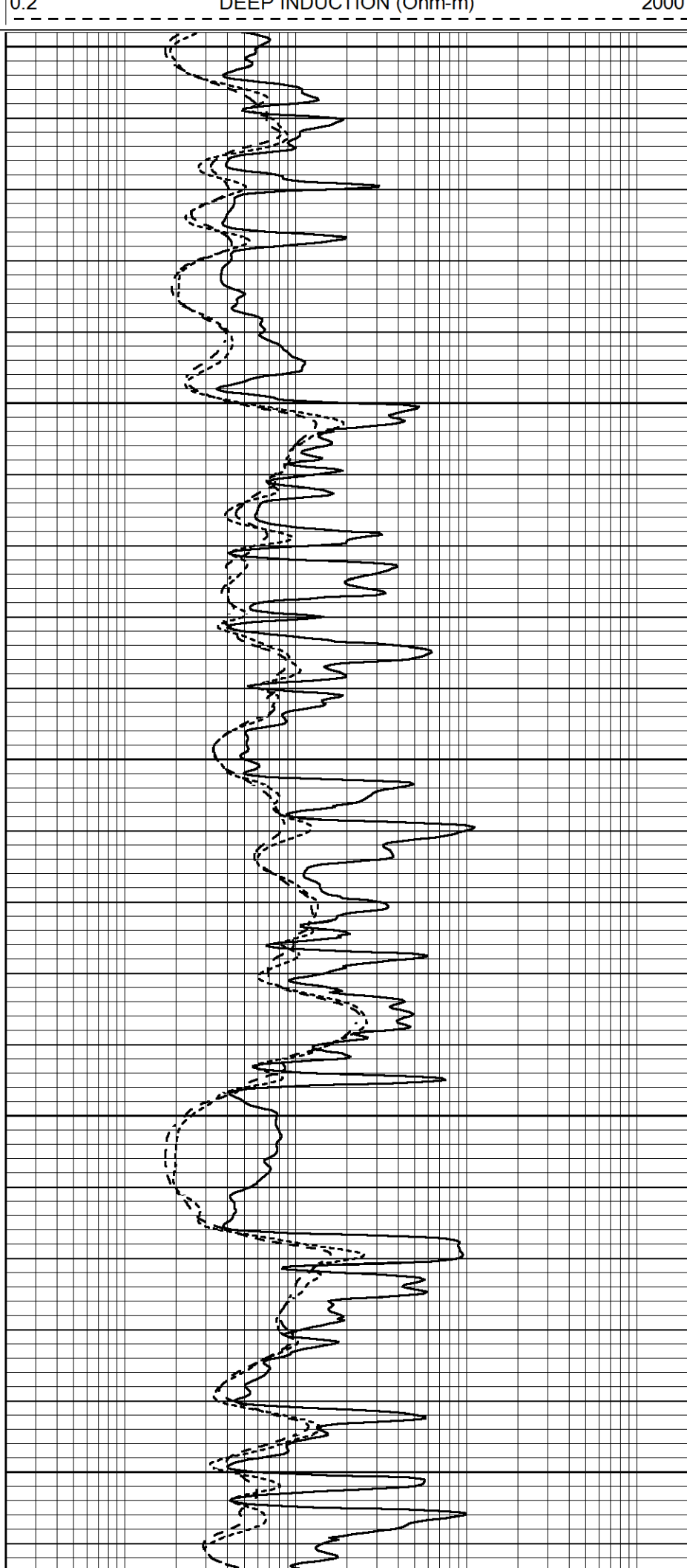
3100

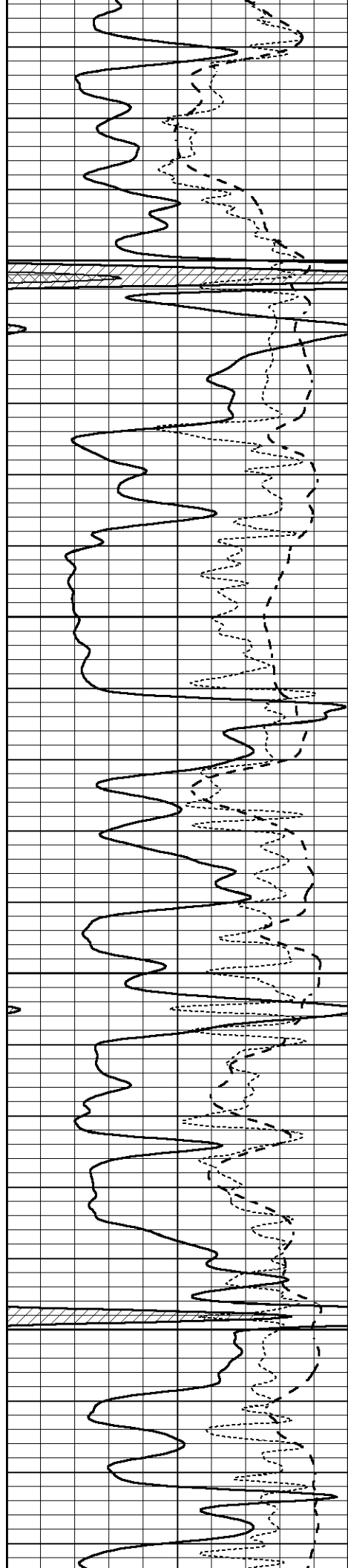
3150

3200

3250

3300



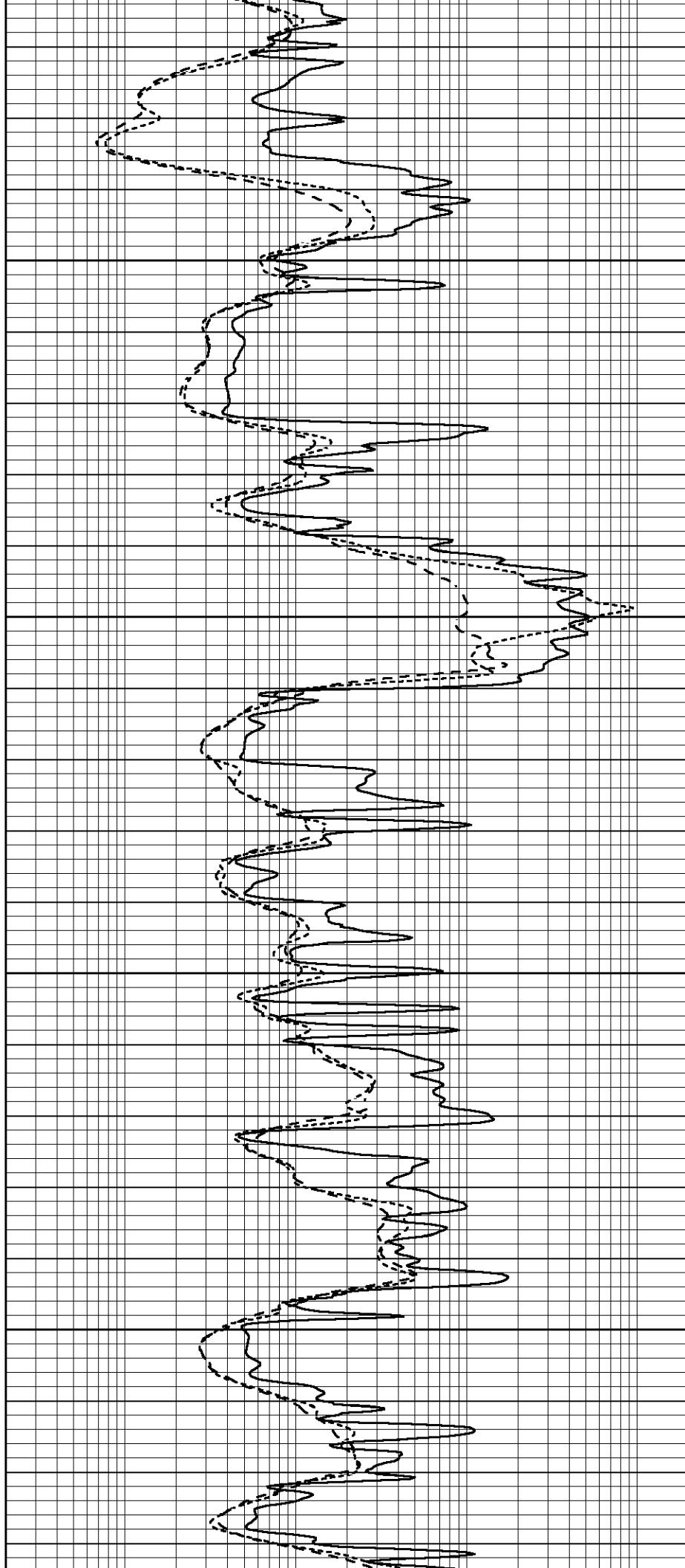


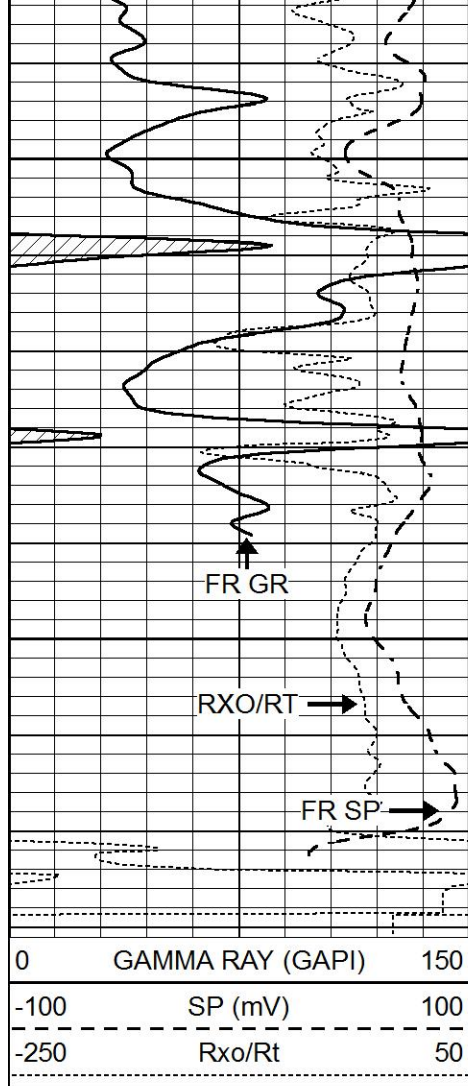
3350

3400

3450

3500

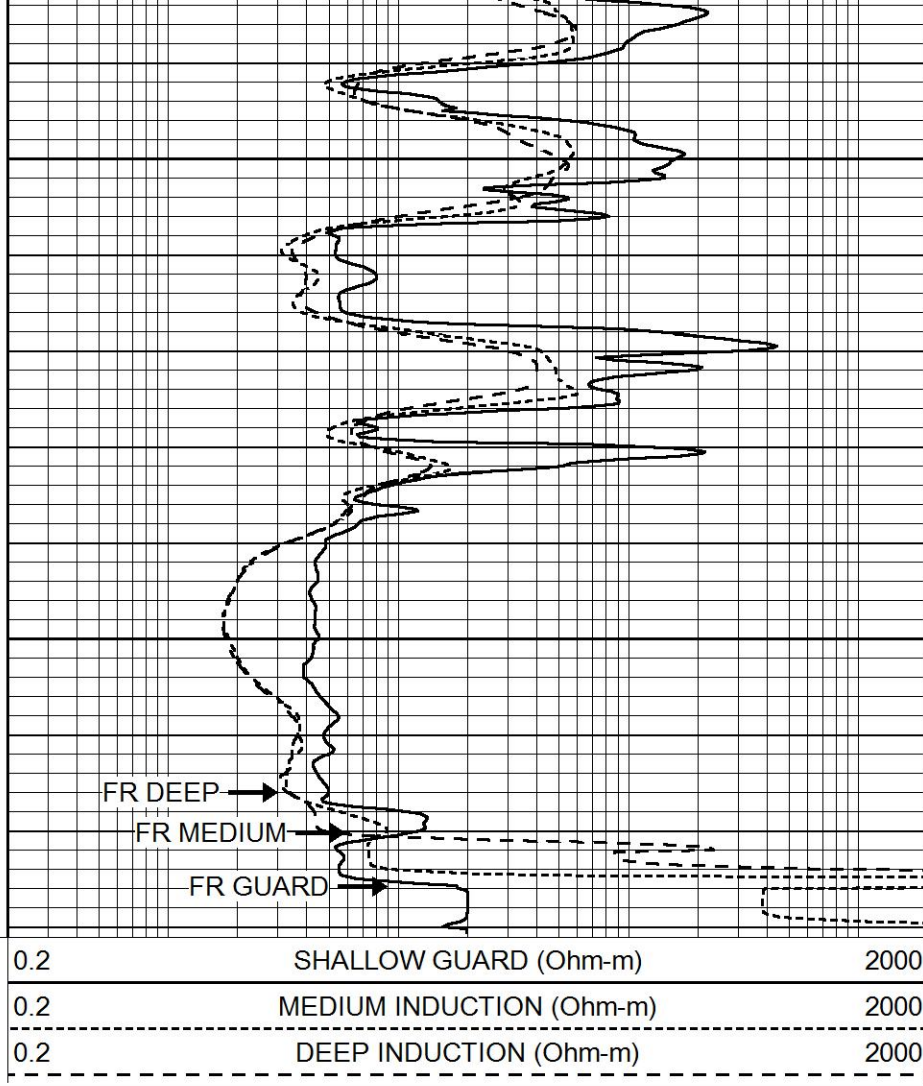




3550

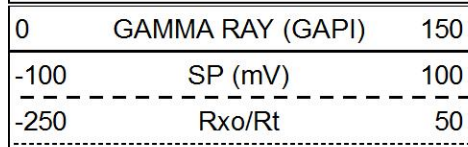
3600

LTD 3628

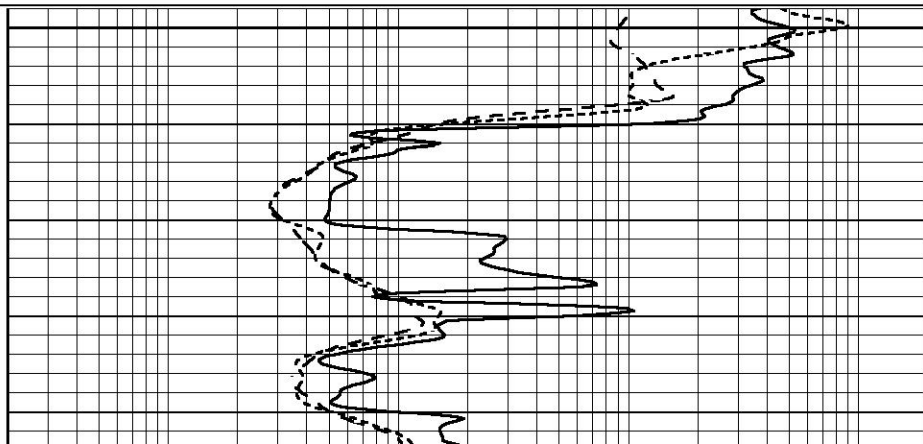
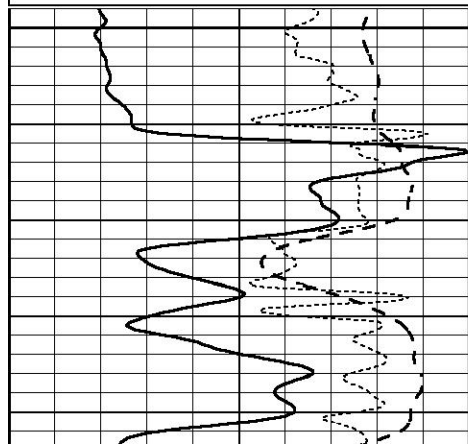
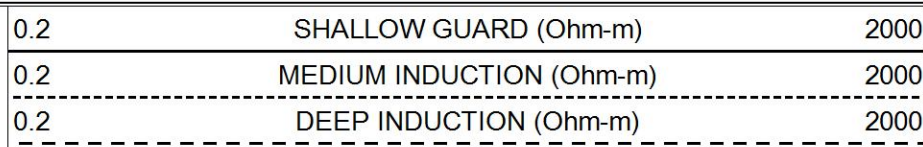


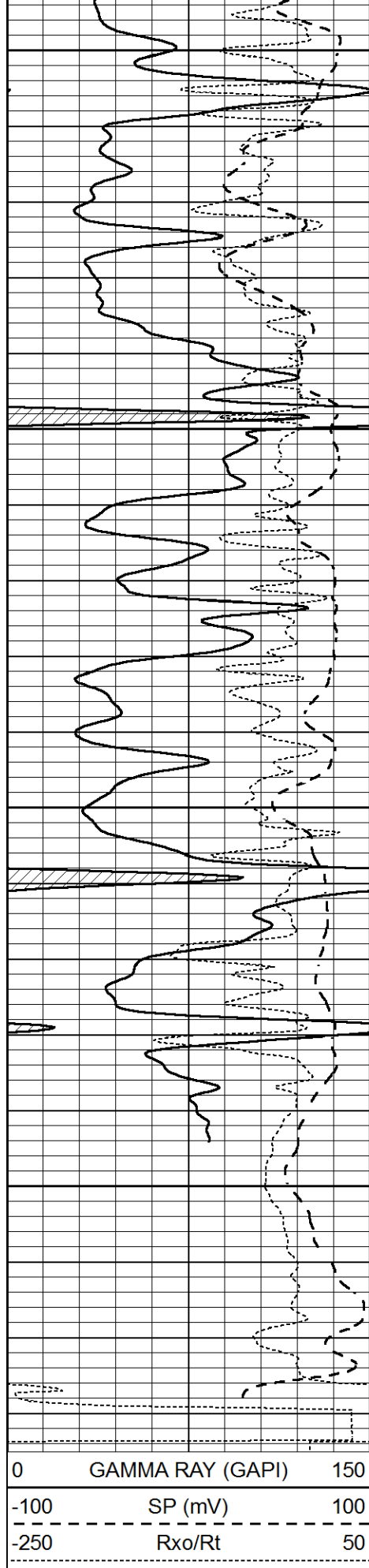
REPEAT SECTION

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 Presentation Format _dil
 Dataset Creation Sun Mar 24 17:32:15 2024
 Charted by Depth in Feet scaled 1:240



3400



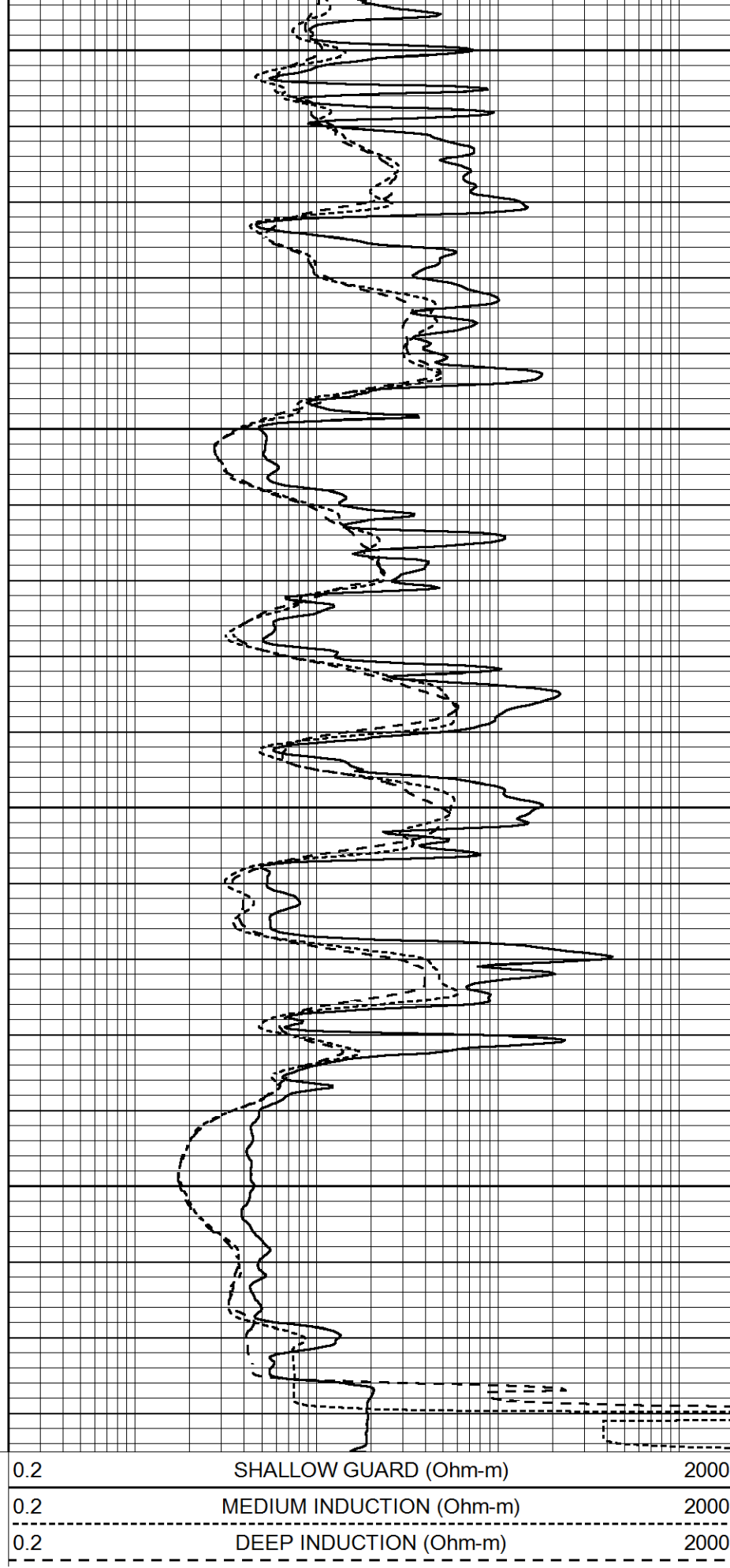


3450

3500

3550

3600



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	-7.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-10.300
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: 002 Model: PRB

Master Calibration			Performed Tue Mar 05 14:38:56 2024					
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	725.2	6706.7	2064.1	1781.5			cps	
Window 2	662.7	5683.9	1787.4	1577.3			cps	
Window 3	531.1	2851.1	1038.7	963.2			cps	
Window 4	159.2	158.7	158.9	156.4			cps	
Long Space	0.0	5021.2	1124.6	914.6			cps	
Short Space	1.4	1196.9	818.3	680.9			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 45.7	Rib Slope	: 1.026	Density/Spine Ratio			: 0.570	
Spine Angle	: 75.7	Spine Slope	: 3.935	Spine Intercept			: -19.4	

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