

DUAL INDUCTION LOG

Company	MAI OIL OPERATIONS, INC.	Company	MAI OIL OPERATIONS, INC.
Well	#1 KRUG - DRISCOLL UNIT	Well	#1 KRUG - DRISCOLL UNIT
Field	KENNEBEC	Field	KENNEBEC
County	RUSSELL	County	RUSSELL
State	KANSAS	State	KANSAS
Location:	API # : 15-167-24135-0000	Other Services CDL/CNL MEL	
Permanent Datum	2565' FSL & 330' FWL	Elevation	
Log Measured From	N/2 - NW - NW - SW	K.B. 1778	
Drilling Measured From	SEC 4 TWP 15S RGE 14W	D.F. 1776	
		G.L. 1768	
Date	12/5/23		
Run Number	ONE		
Depth Driller	3296		
Depth Logger	3296		
Bottom Logged Interval	3294		
Top Log Interval	00		
Casing Driller	8.625@477		
Casing Logger	477		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,700 PPM	
Density / Viscosity	9.2/60		
pH / Fluid Loss	10.0/6.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650@64F		
Rmf @ Meas. Temp	.488@64F		
Rmc @ Meas. Temp	.780@64F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.378@110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:00 P.M.		
Maximum Recorded Temperature	110F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KIM SHOEMAKER		

<<< 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.

15-167-24135-0000

Comments

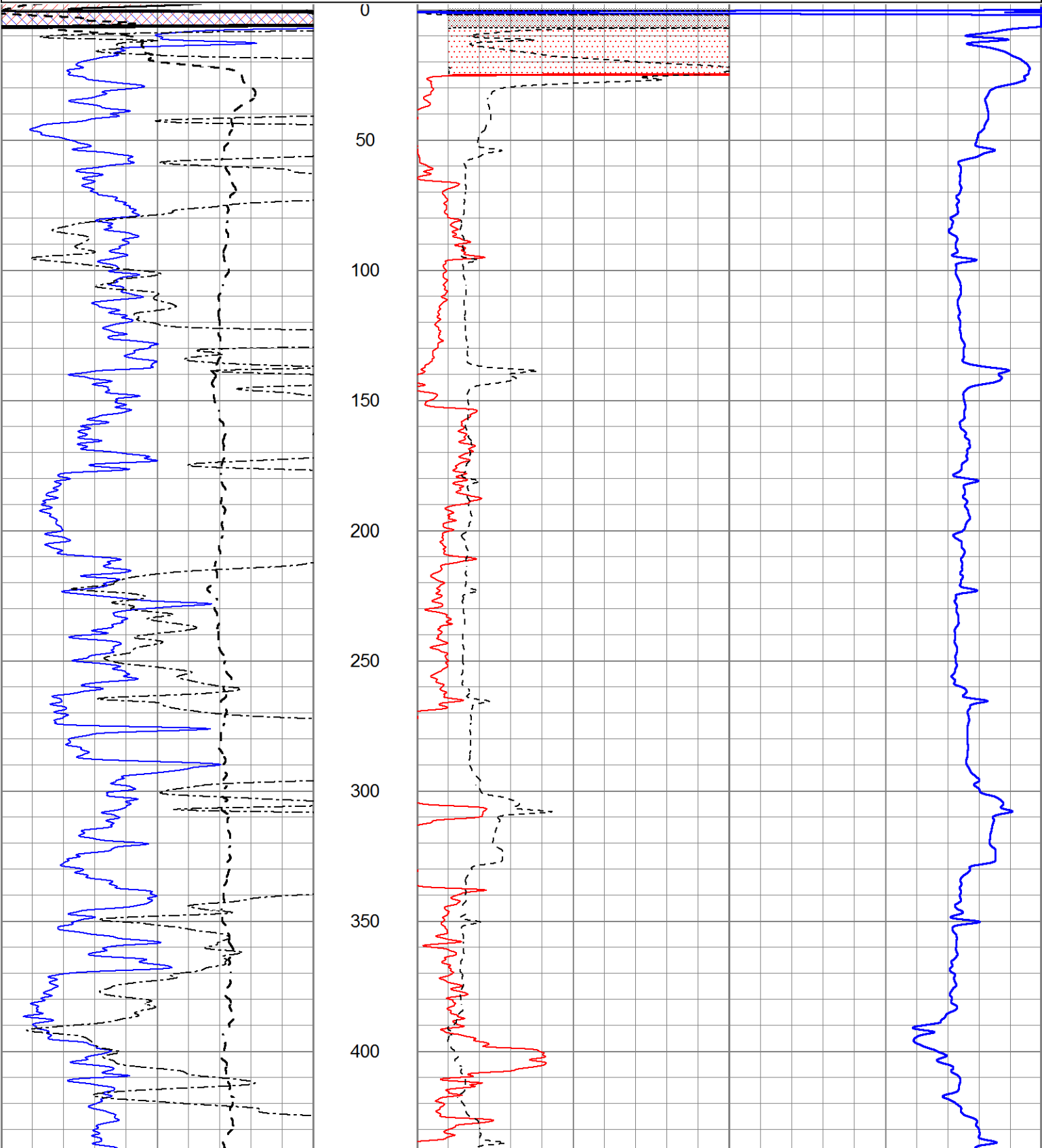
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS
RUSSELL, KS. & I-70, S. ON HWY 281 TO RIVER BRIDGE, 2W. ON "WALTERS LN", S. INTO

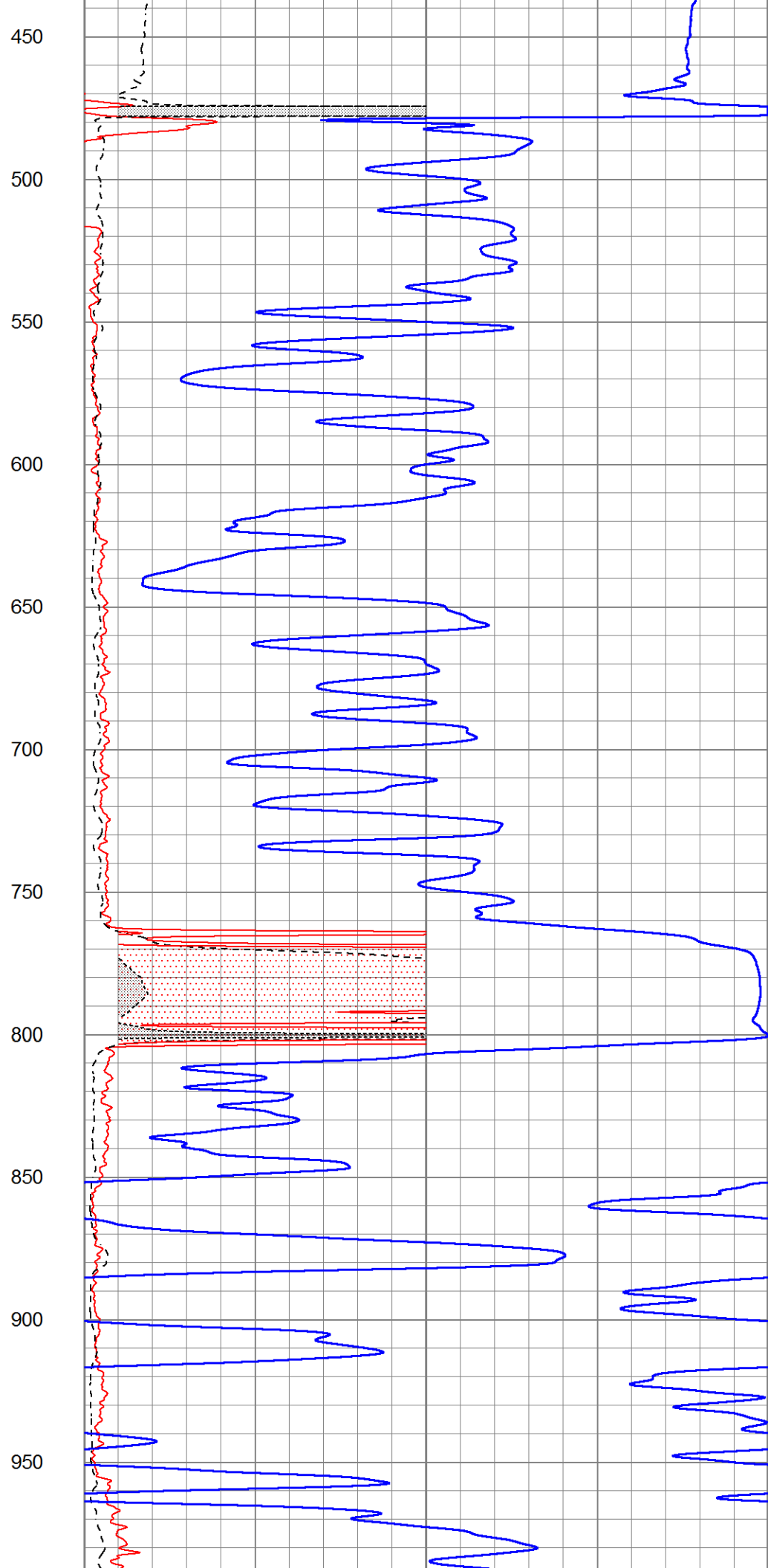
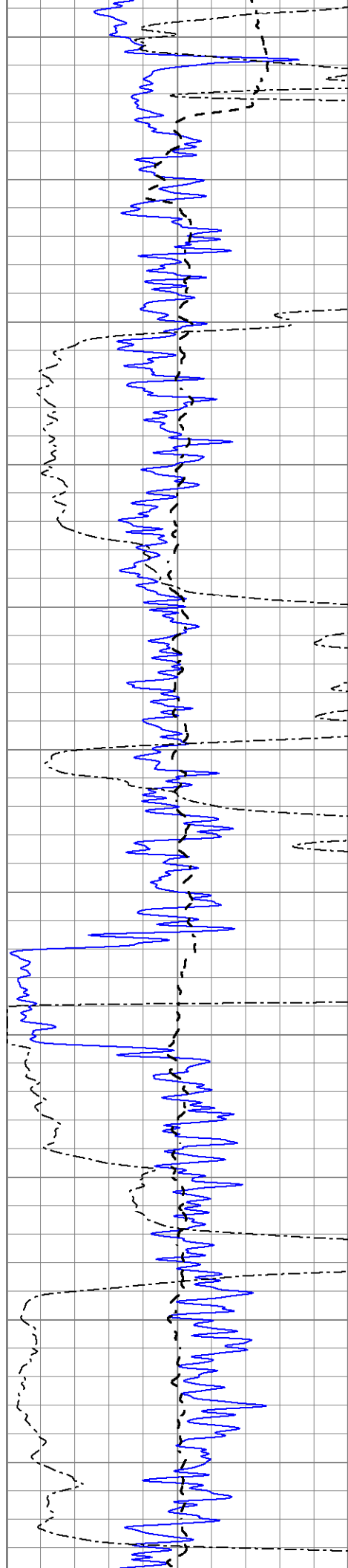


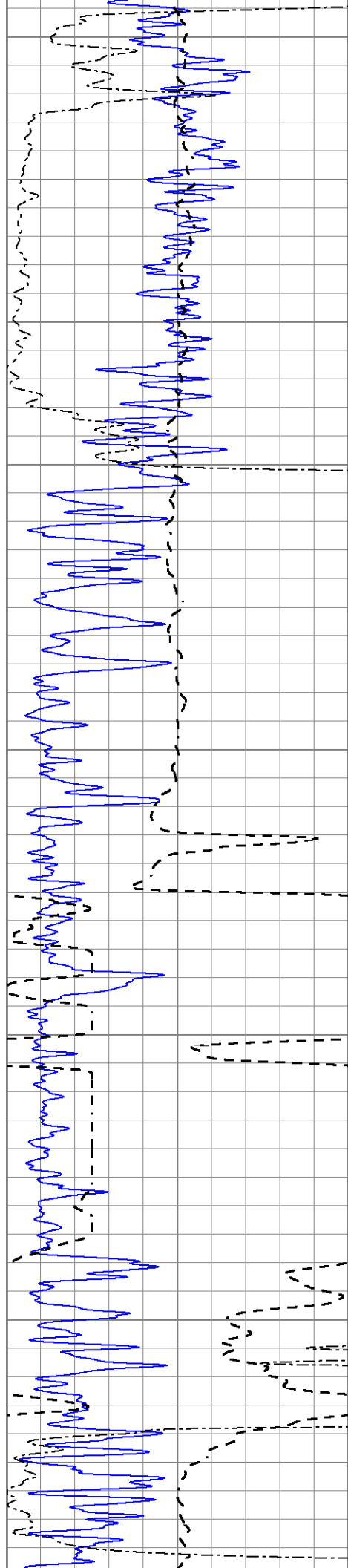
MAIN SECTION

Database File	8343ddn.db
Dataset Pathname	pass3.1M
Presentation Format	_dil2
Dataset Creation	Tue Dec 05 15:41:28 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	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

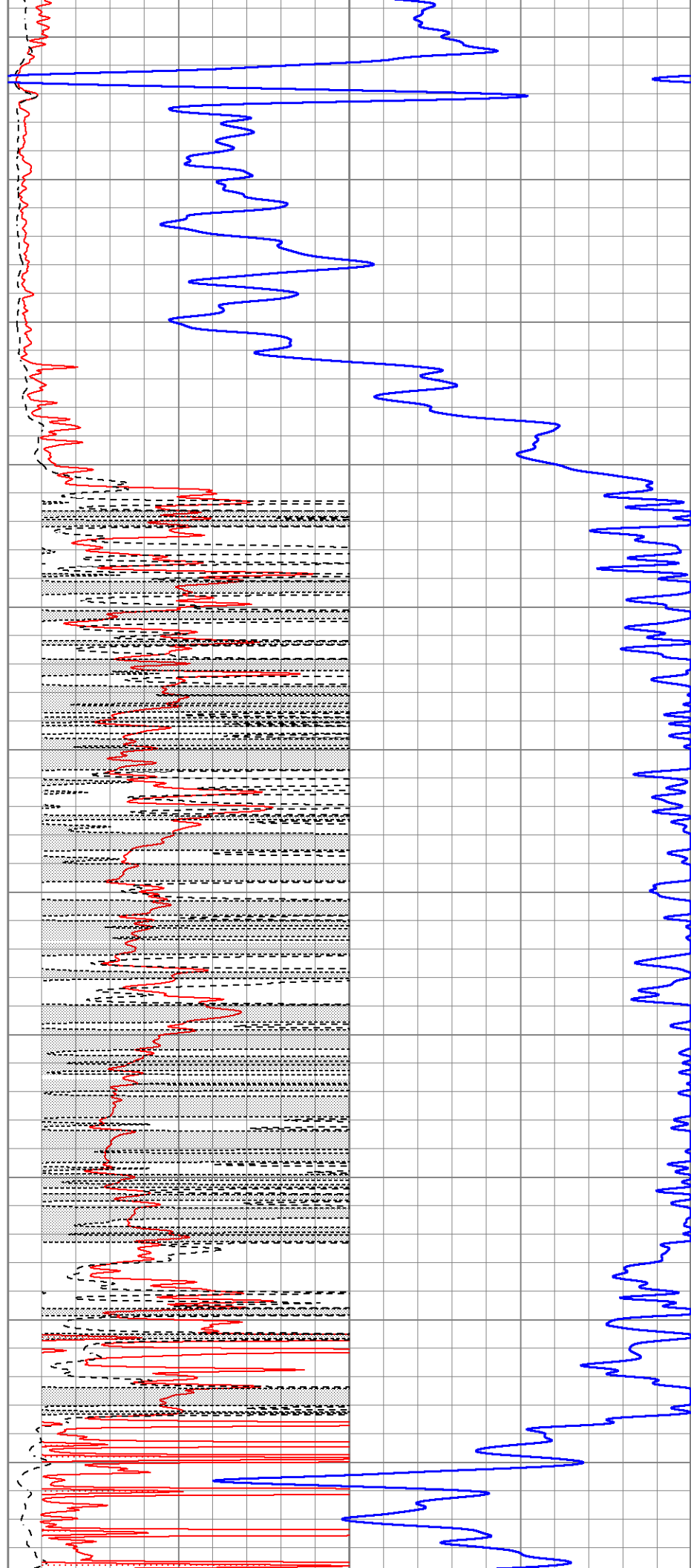
1300

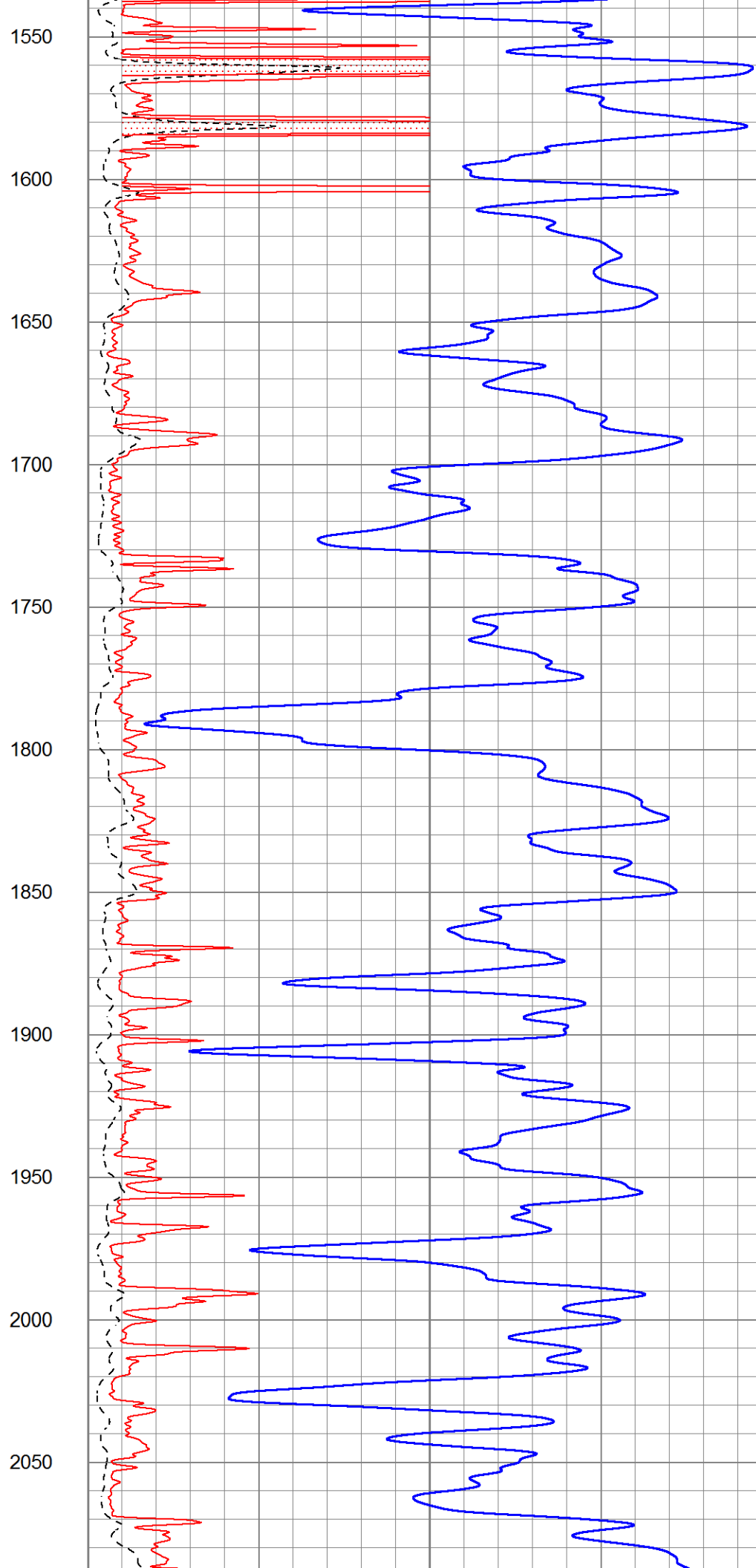
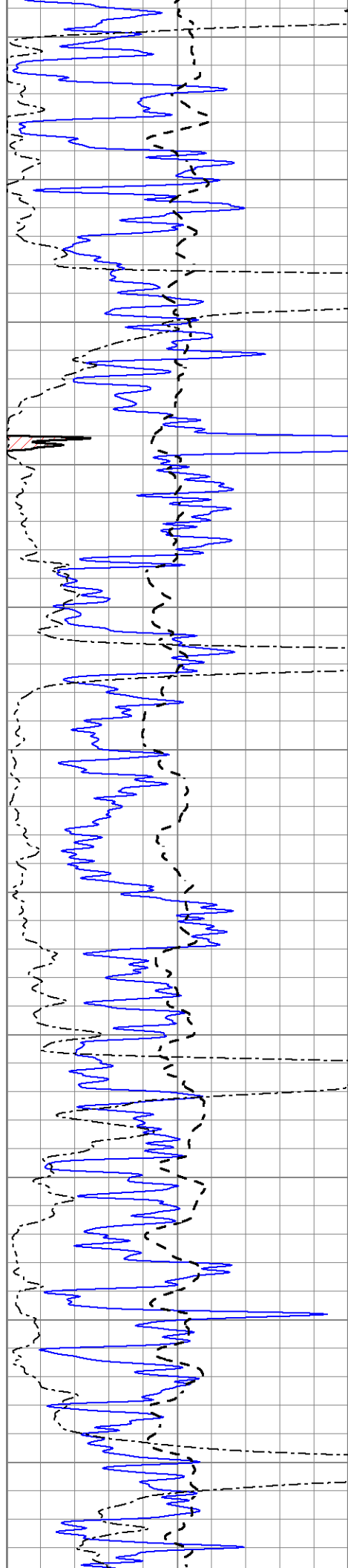
1350

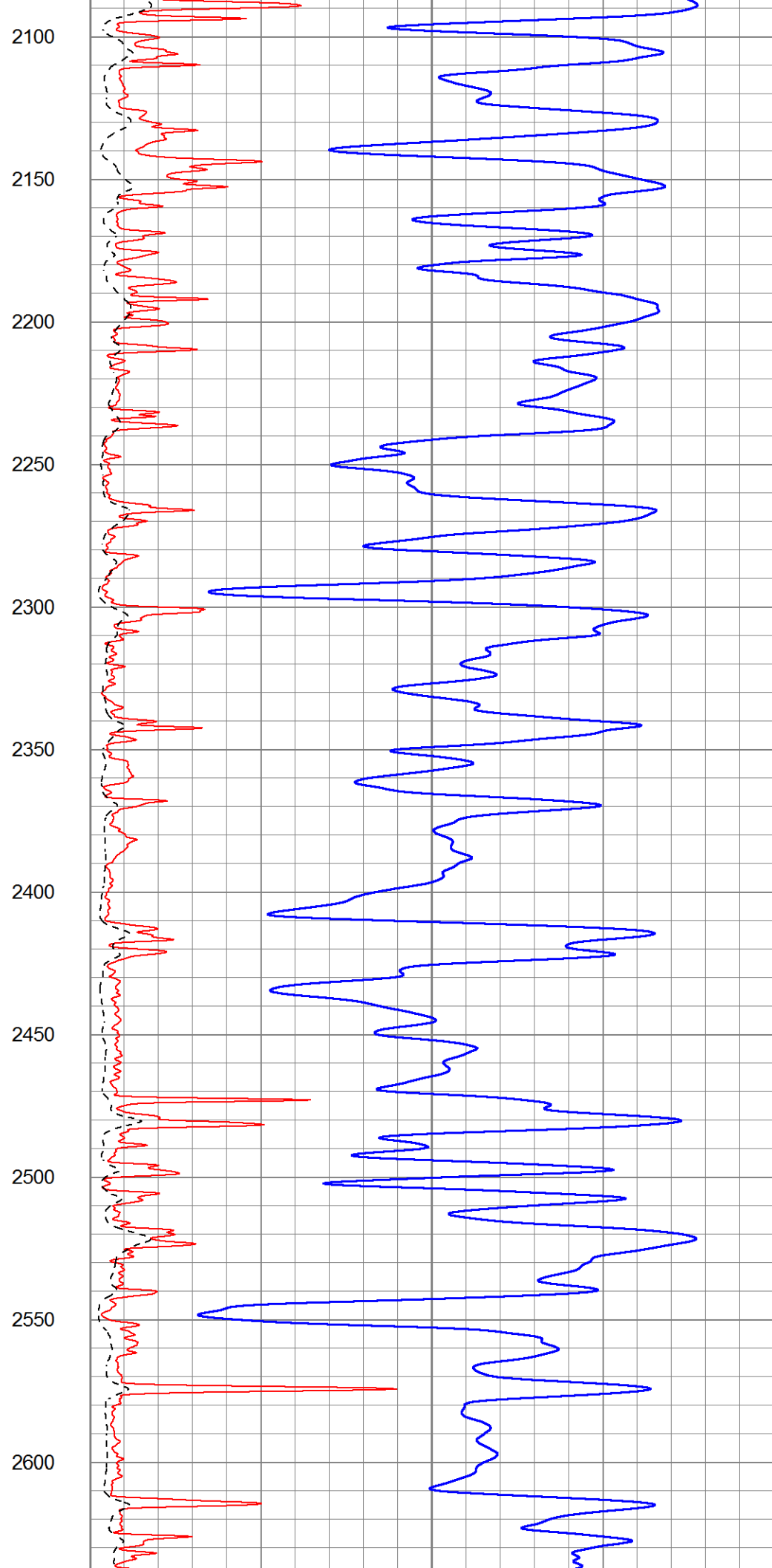
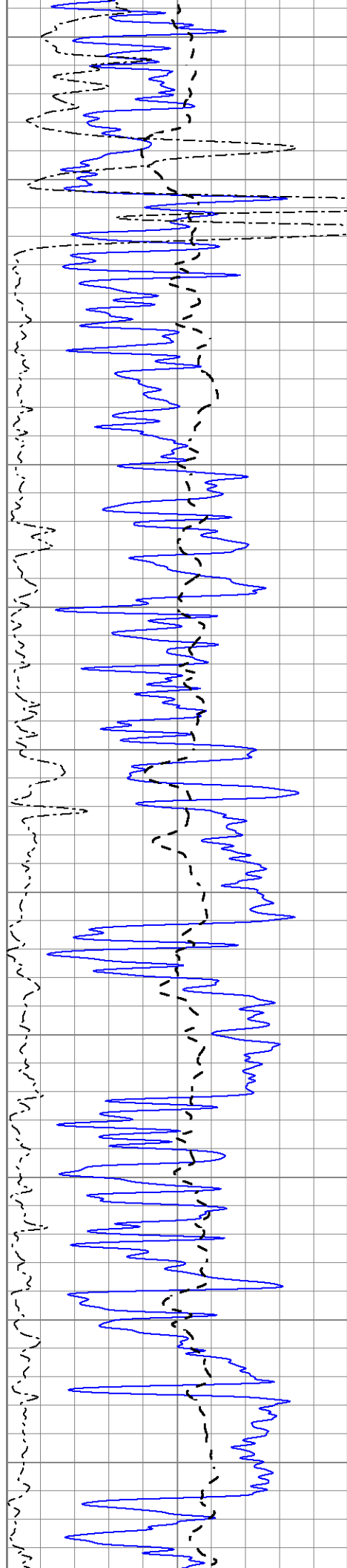
1400

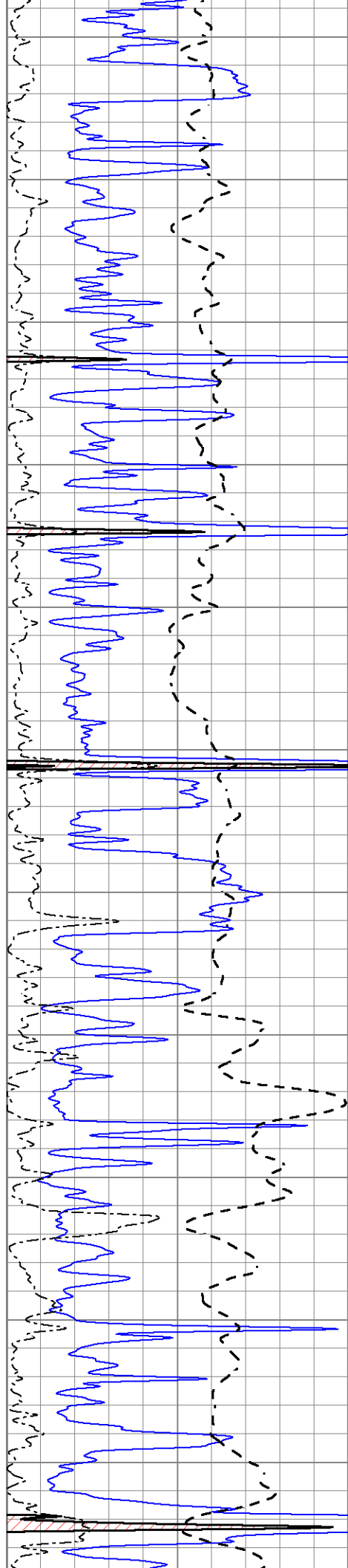
1450

1500









2650

2700

2750

2800

2850

2900

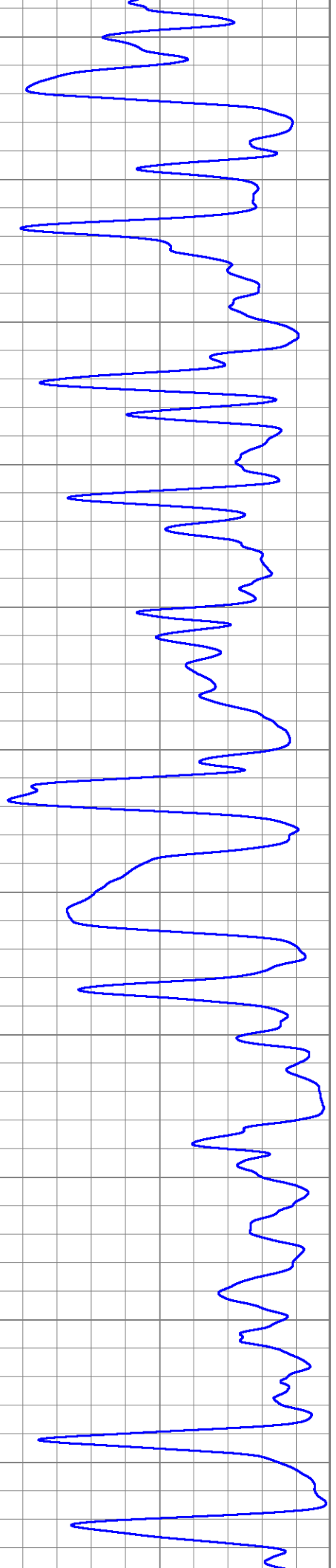
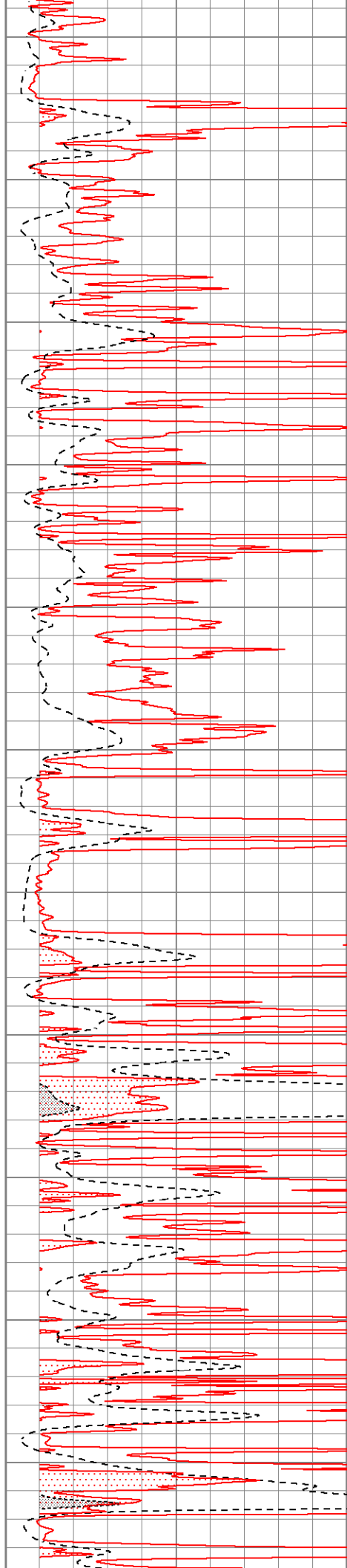
2950

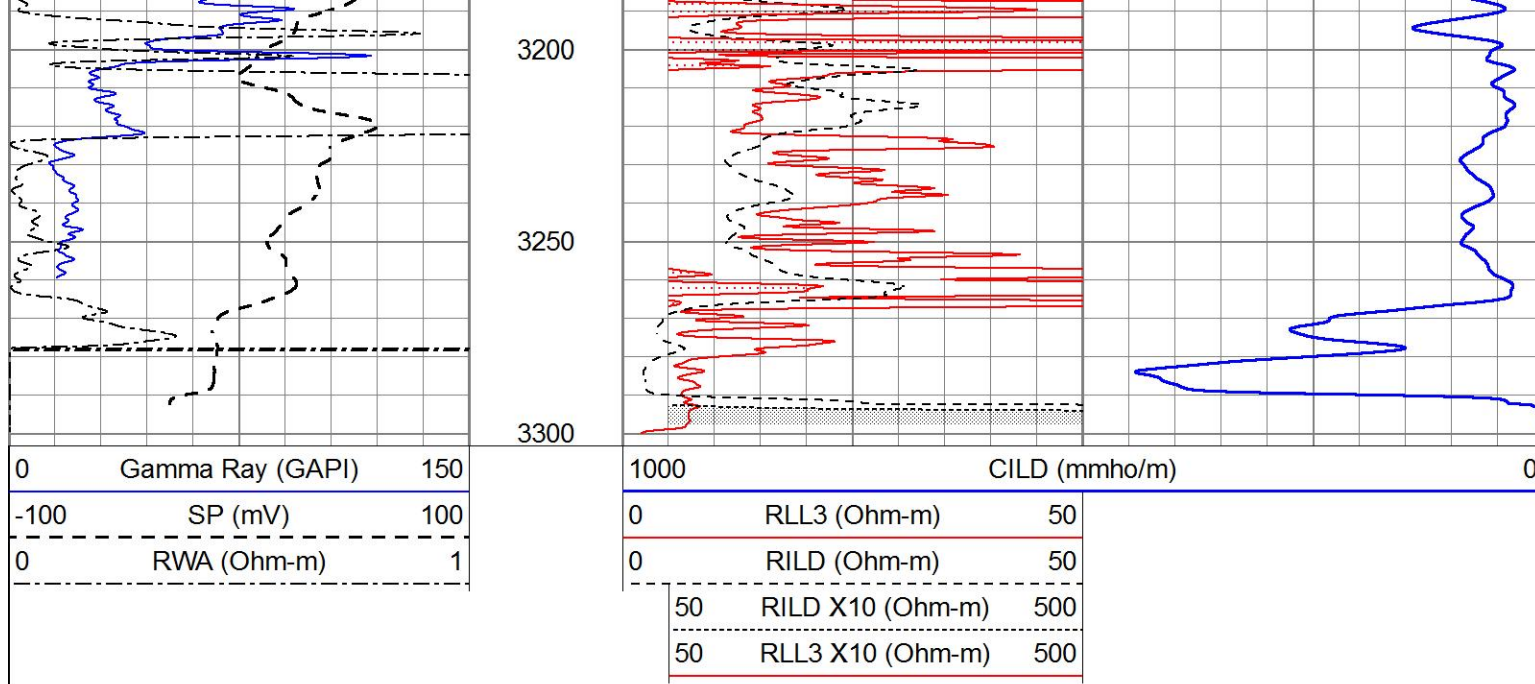
3000

3050

3100

3150





ANHYDRITE

Database File 8343ddn.db
 Dataset Pathname pass3.1A
 Presentation Format _dil
 Dataset Creation Tue Dec 05 15:41:39 2023
 Charted by Depth in Feet scaled 1:240

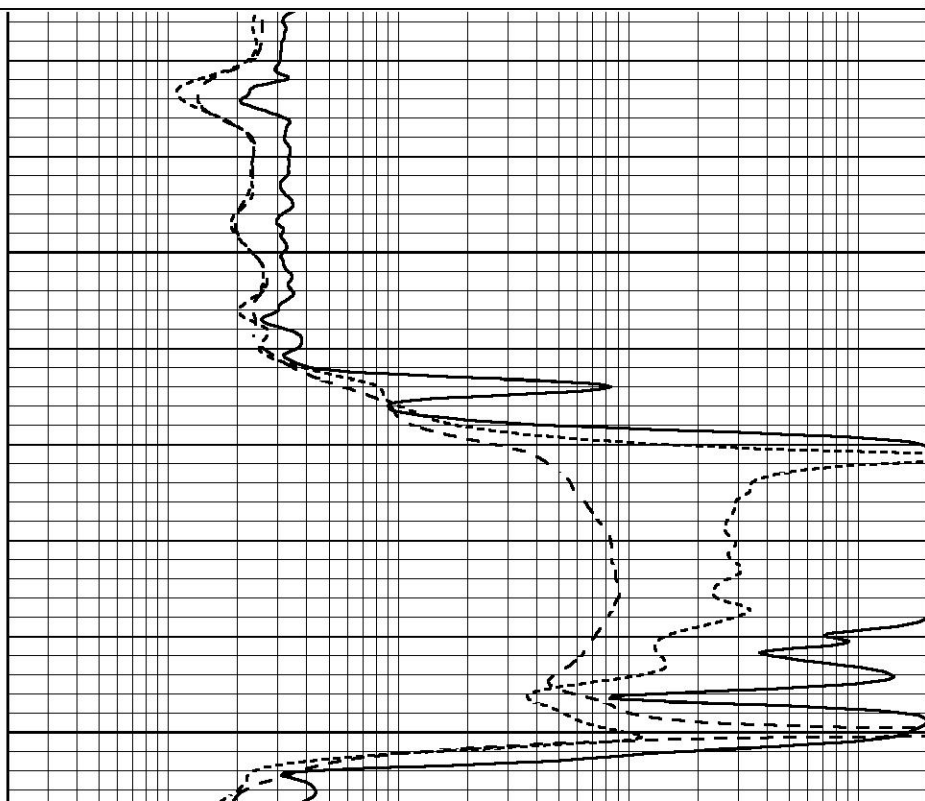
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

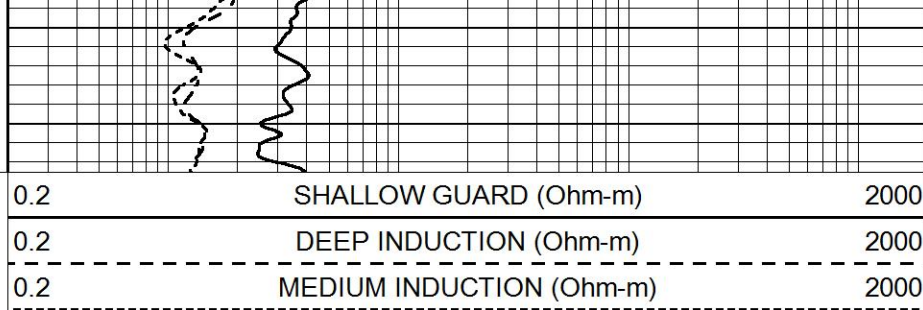
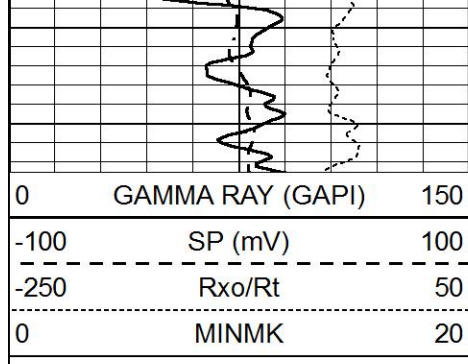
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



750

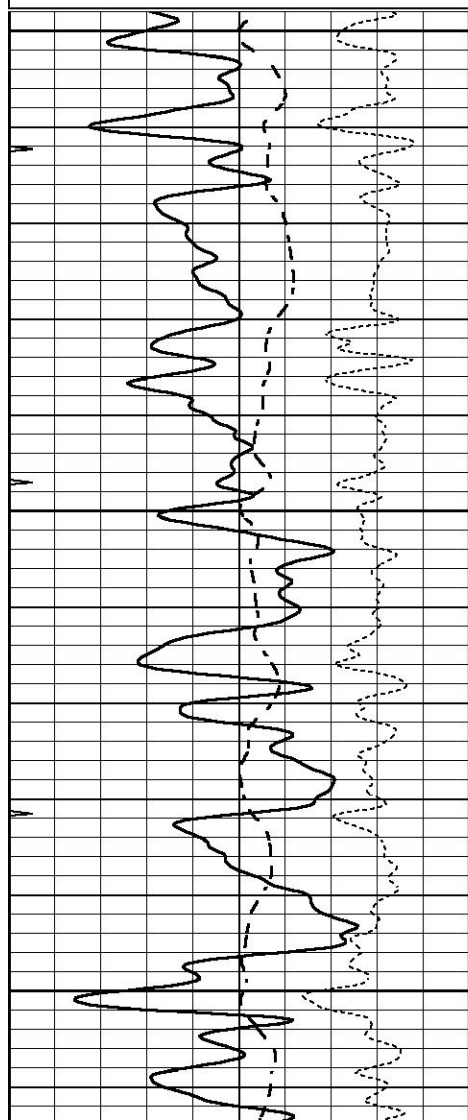
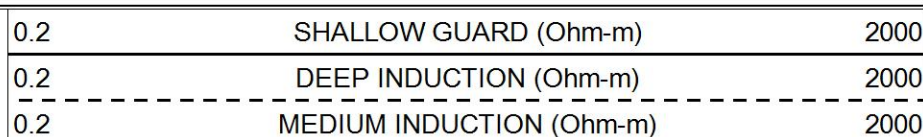
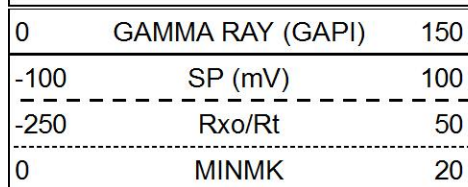
800





MAIN SECTION

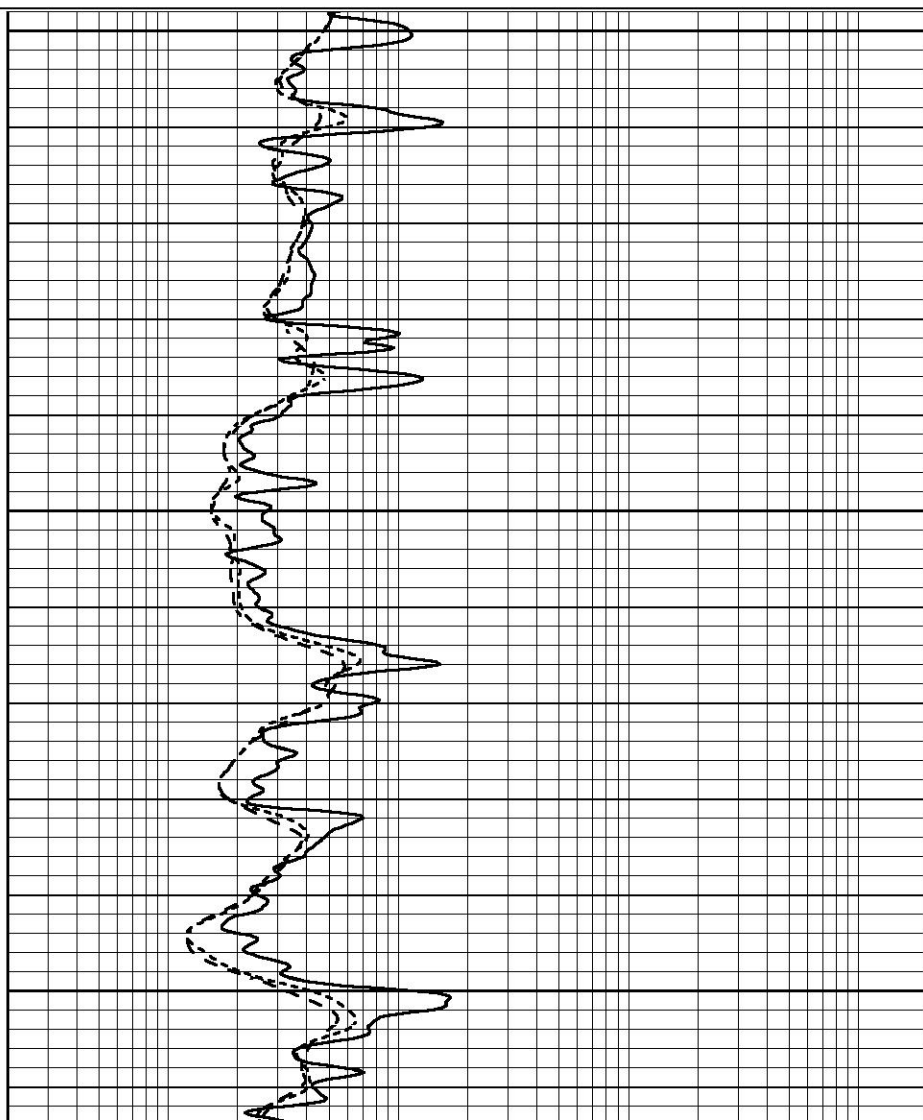
Database File 8343ddn.db
 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Tue Dec 05 15:41:28 2023
 Charted by Depth in Feet scaled 1:240

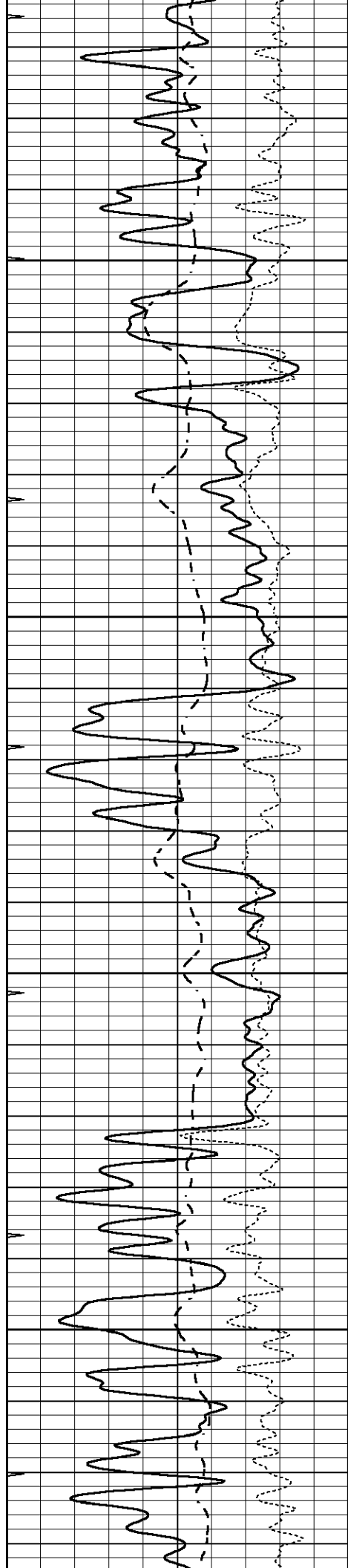


2200

2250

2300



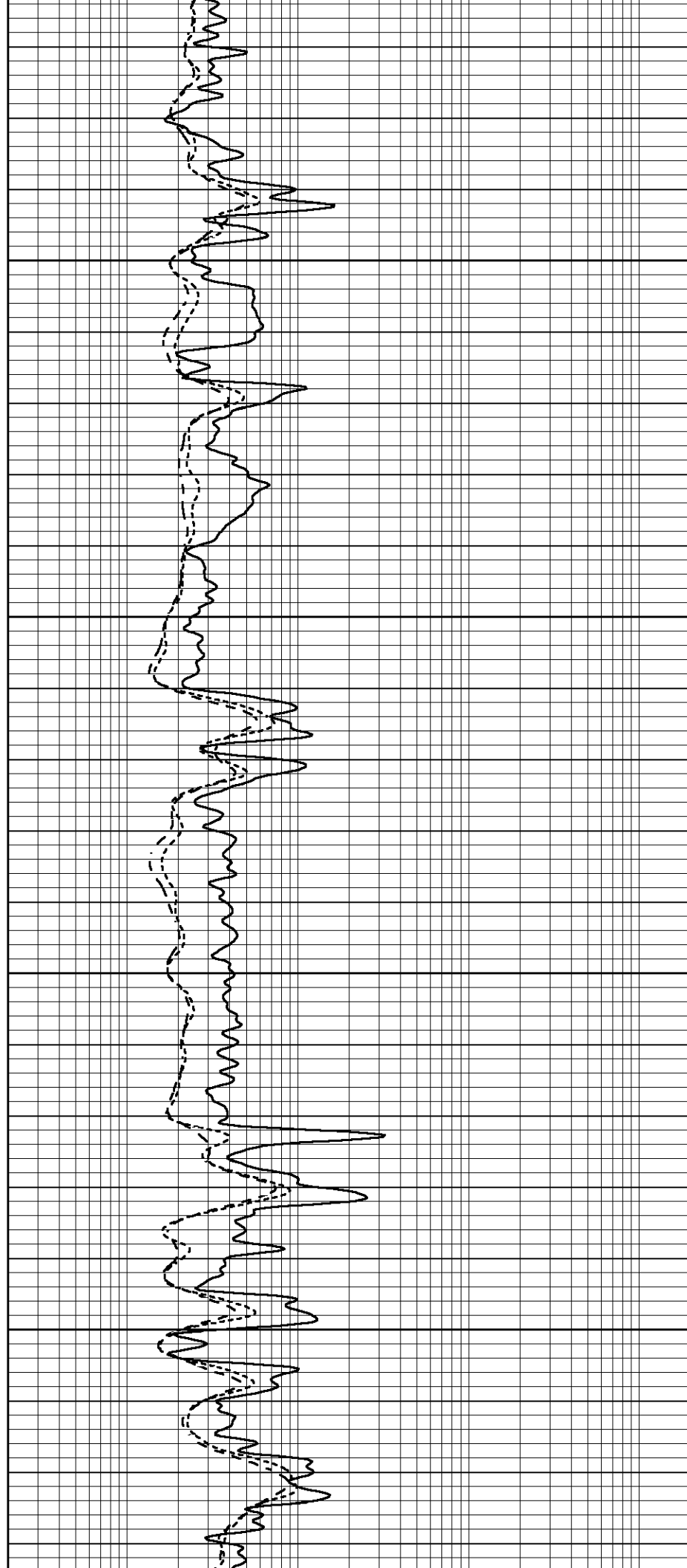


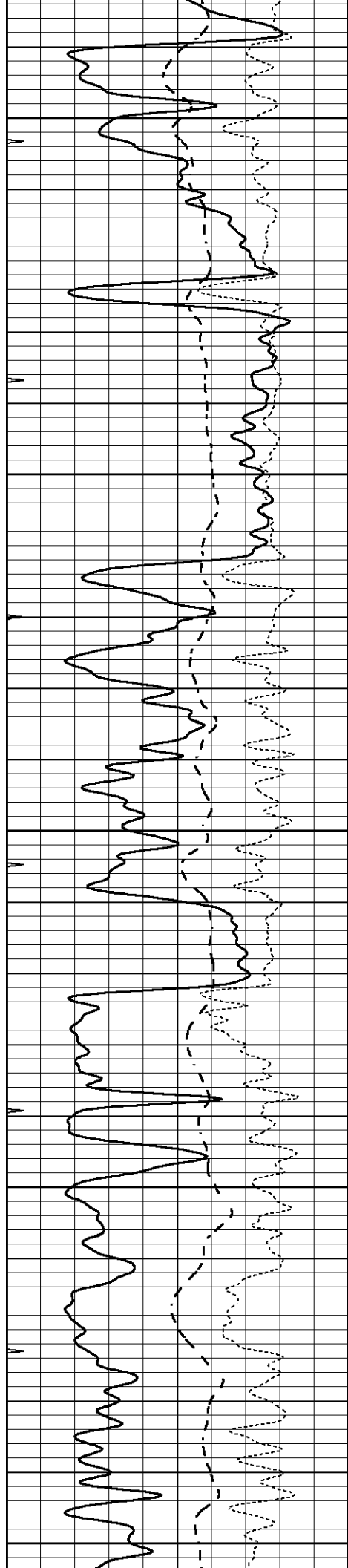
2350

2400

2450

2500





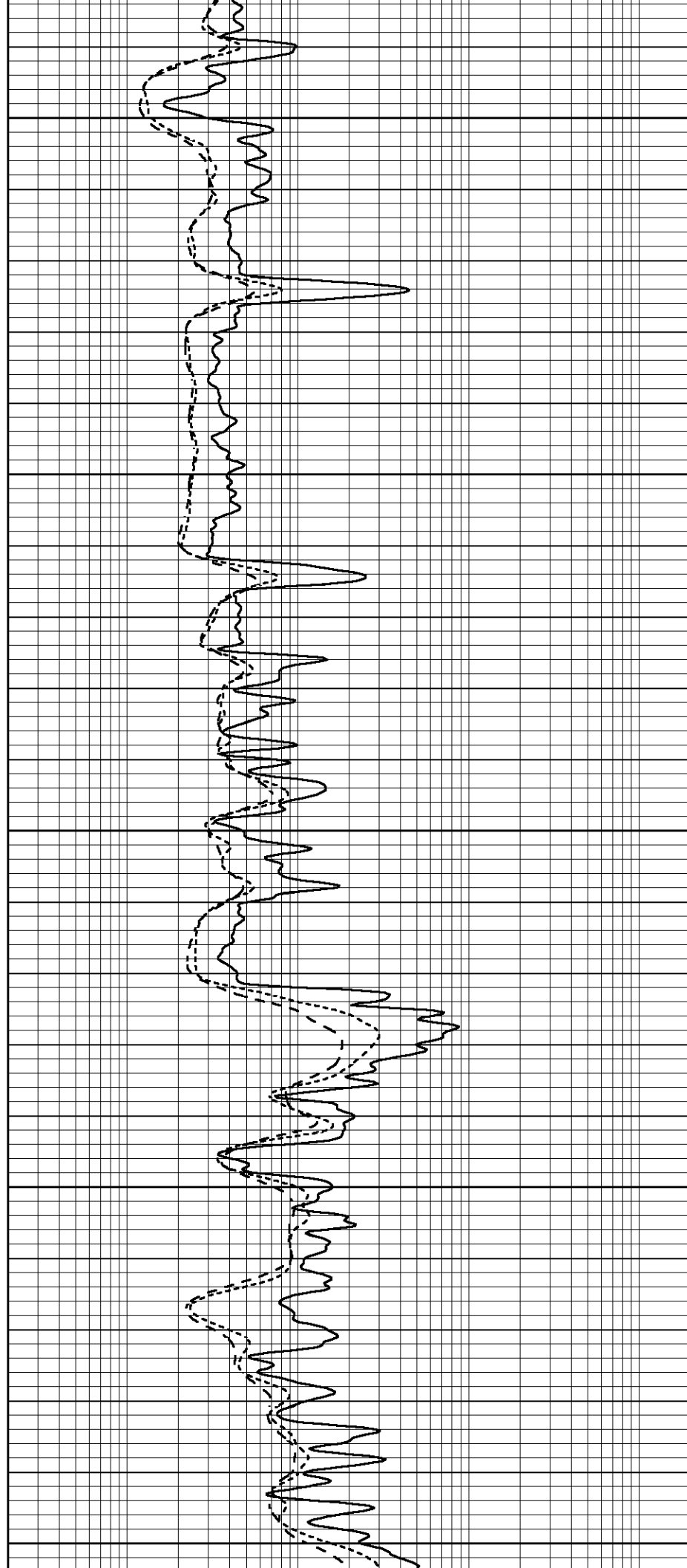
2550

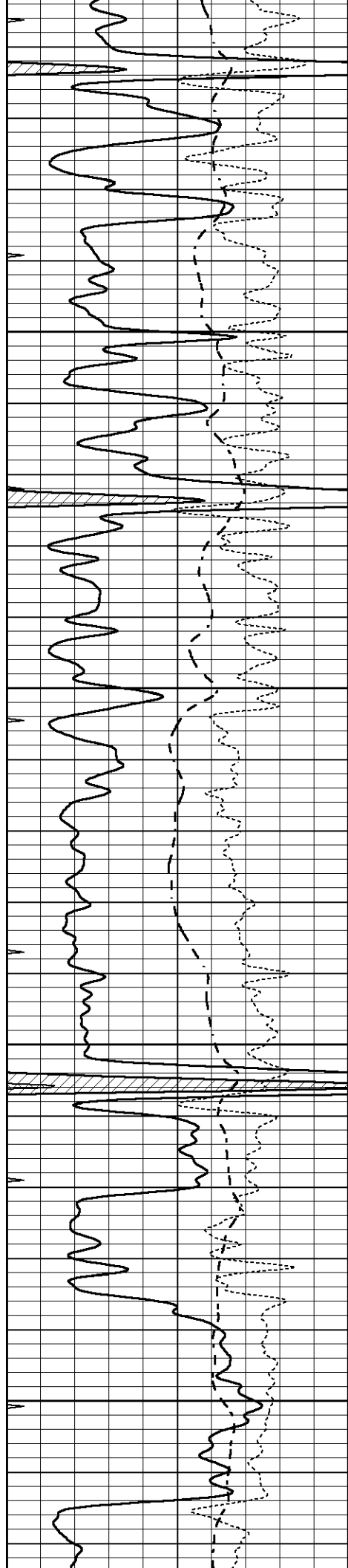
2600

2650

2700

2750



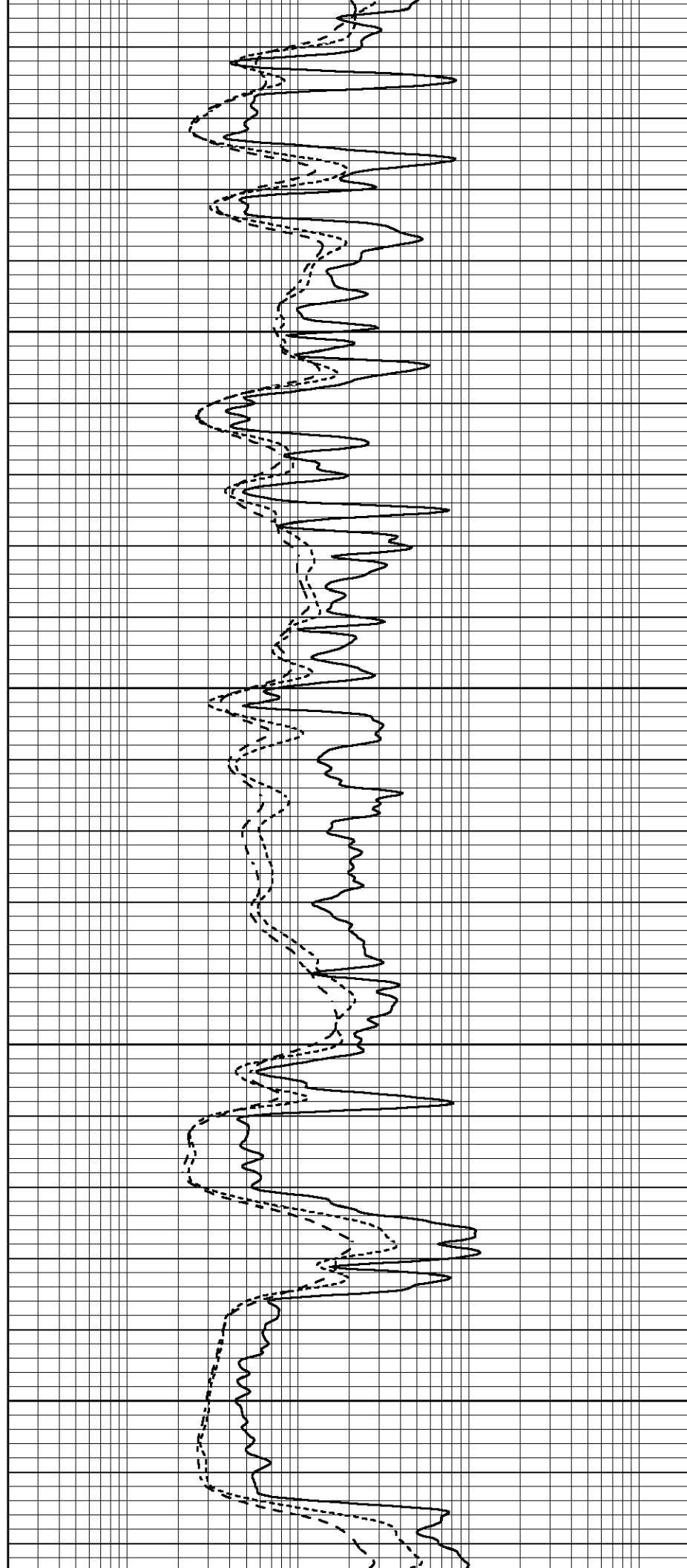


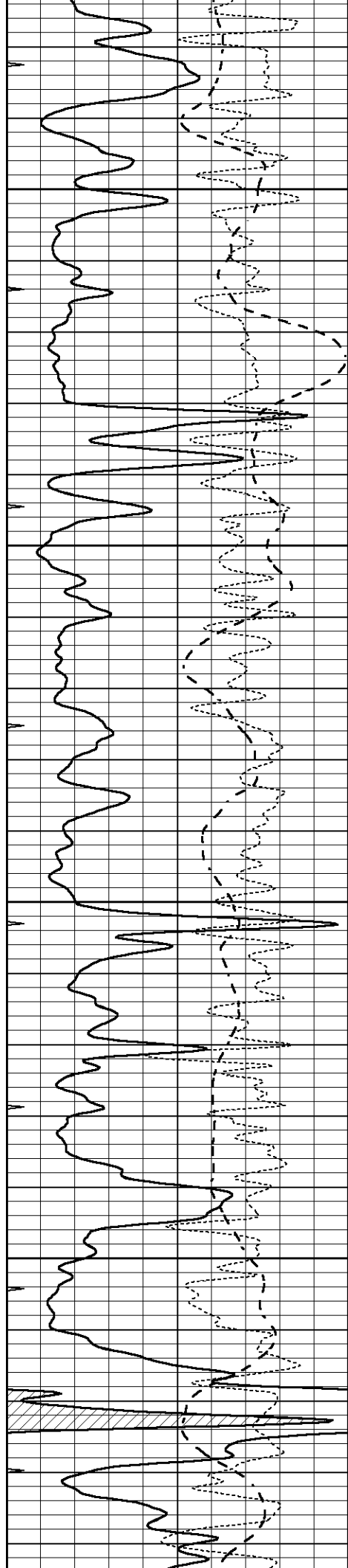
2800

2850

2900

2950



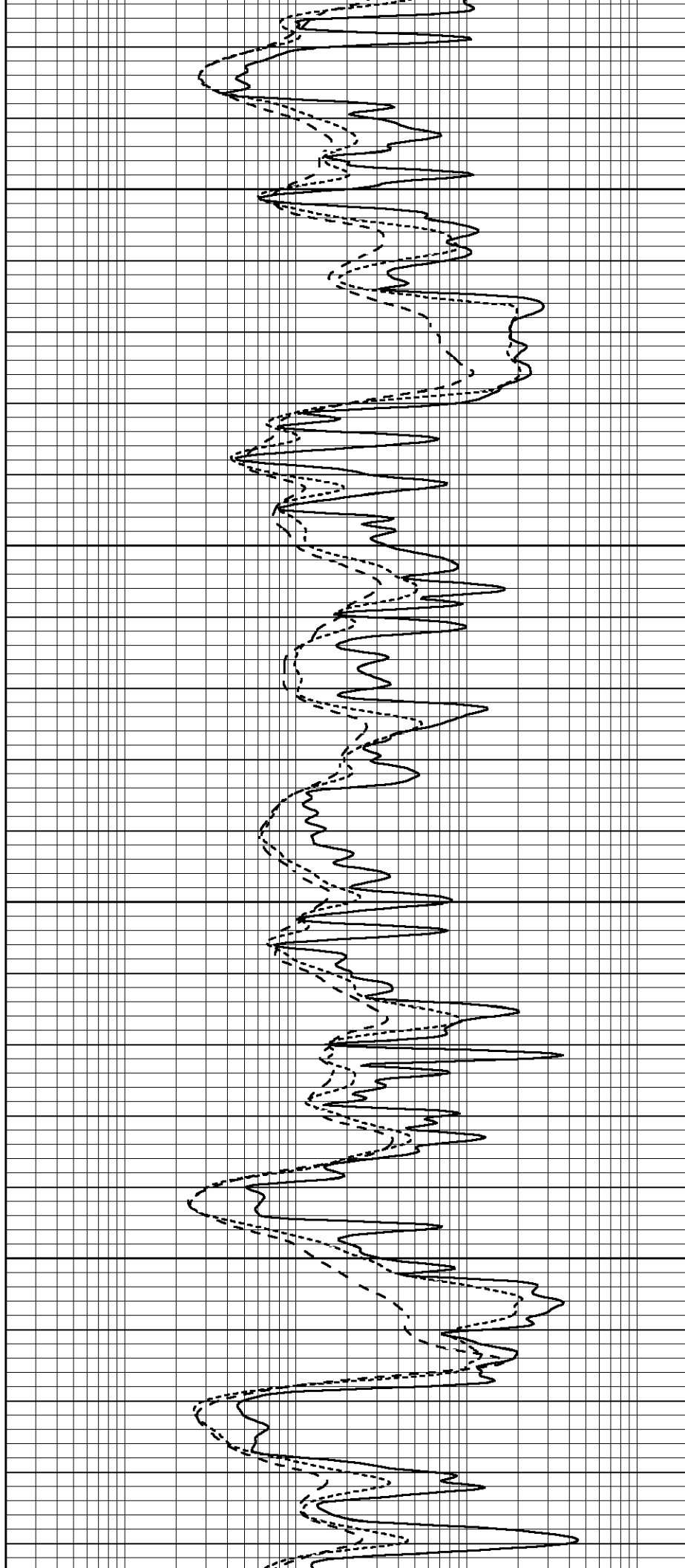


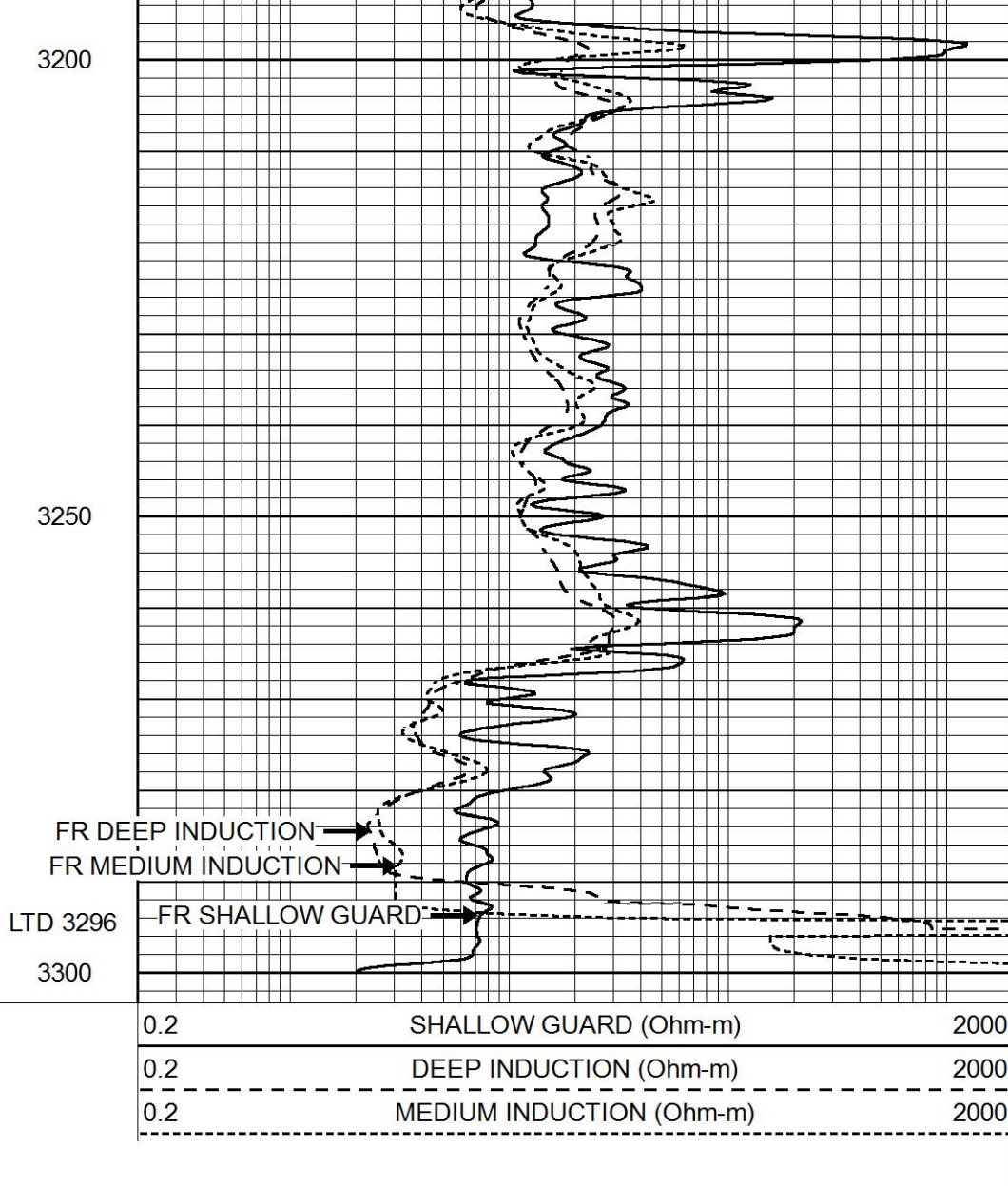
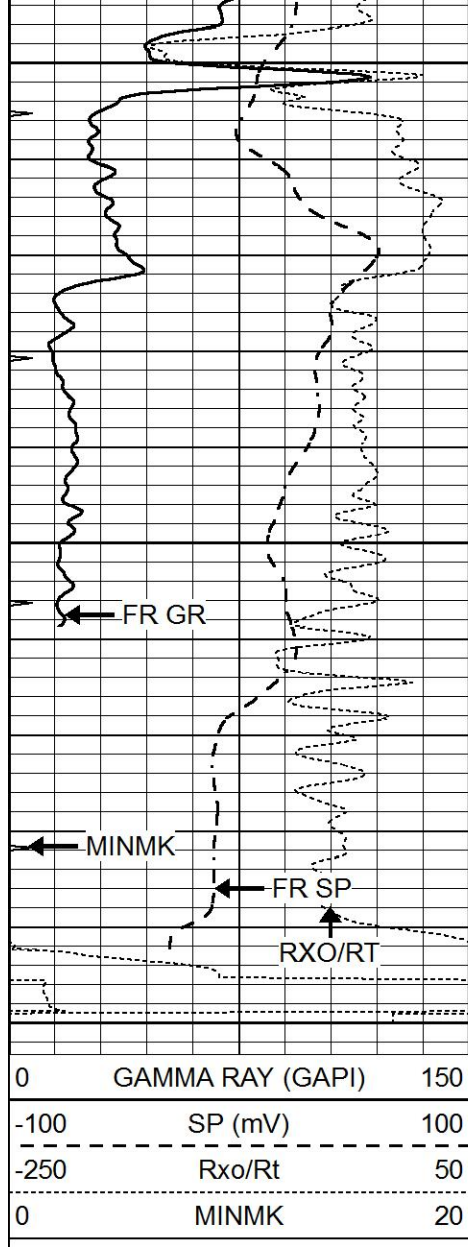
3000

3050

3100

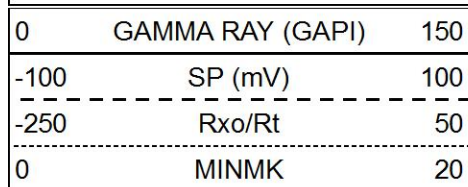
3150



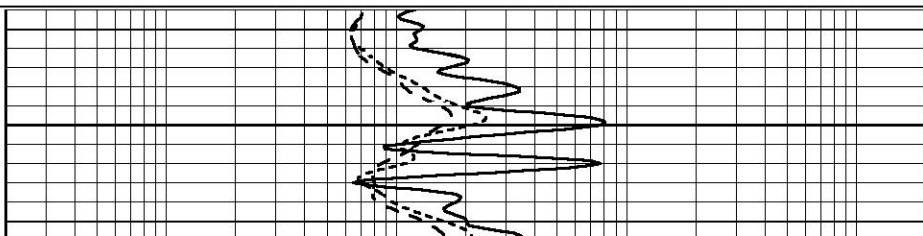
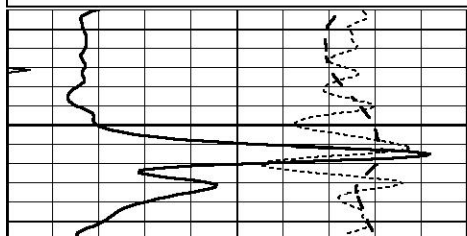
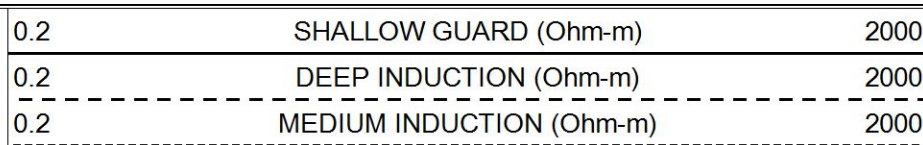


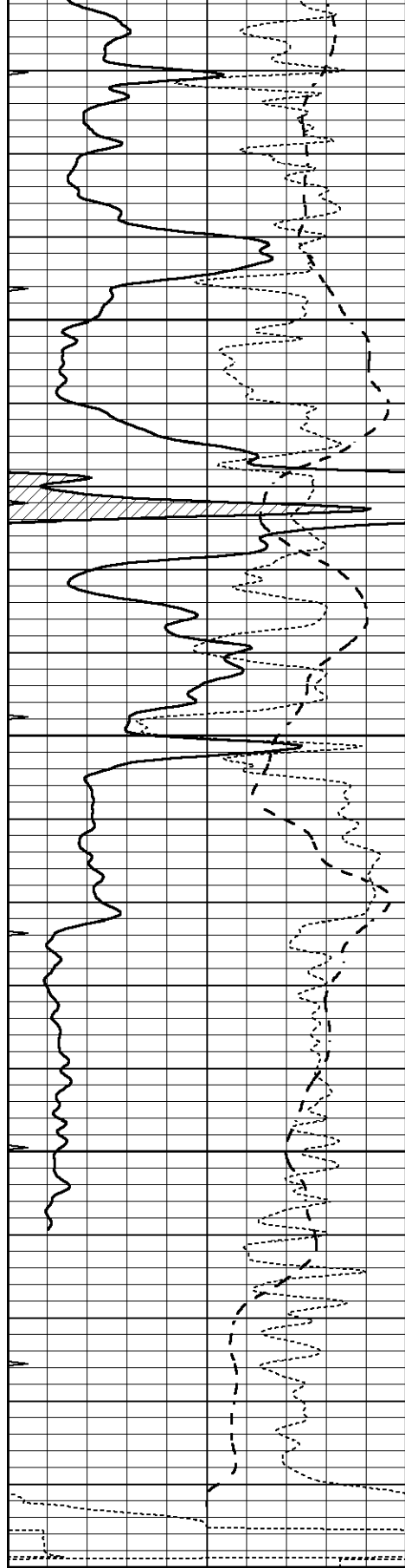
REPEAT SECTION

Database File 8343ddn.db
 Dataset Pathname pass2.1R
 Presentation Format _dil
 Dataset Creation Tue Dec 05 14:43:41 2023
 Charted by Depth in Feet scaled 1:240



3100





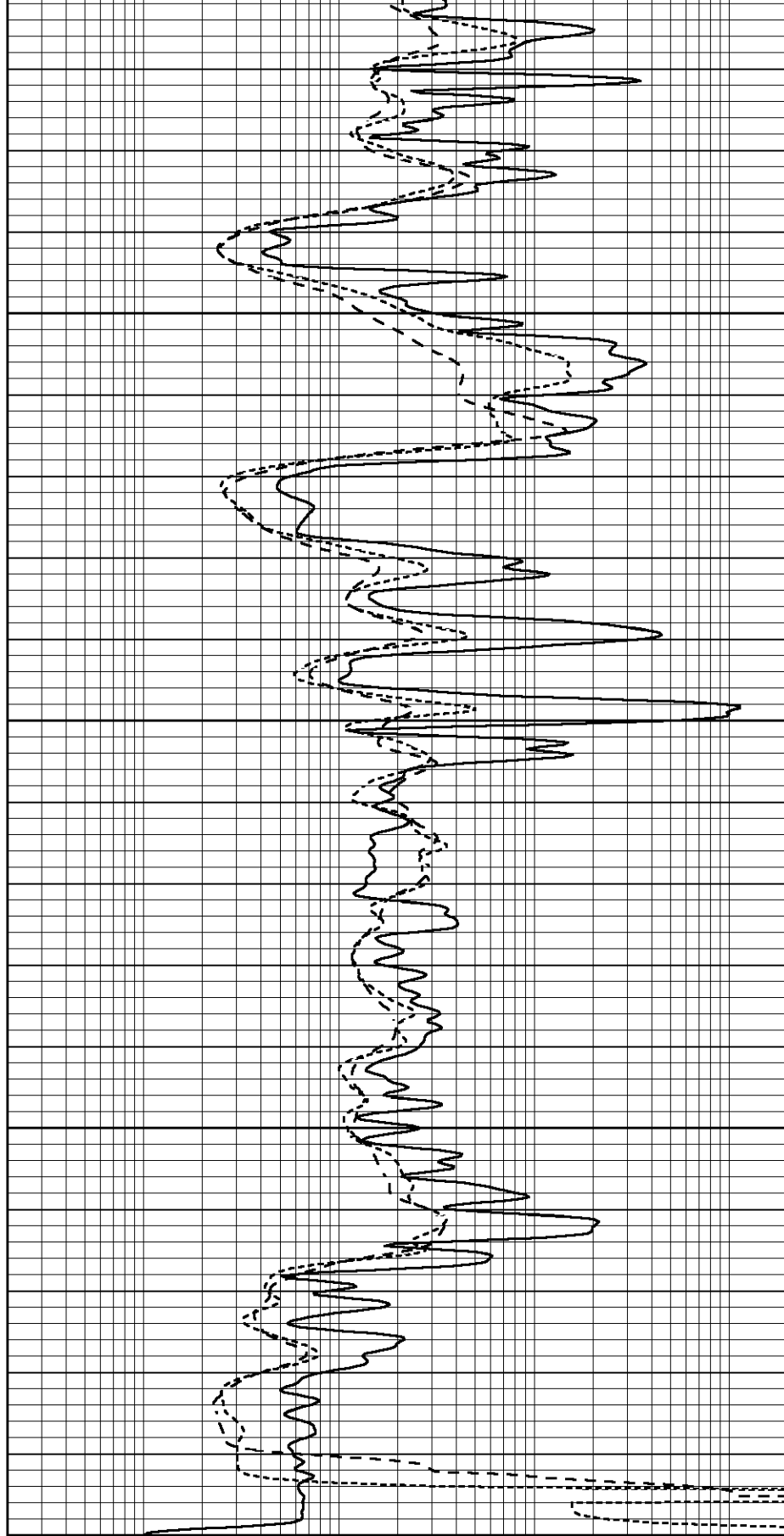
3150

3200

3250

3300

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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

Dual Induction Calibration Report

Serial-Model:
Surface Cal Performed:
Downhole Cal Performed:
After Survey Verification Performed:

DIL7-GEAR
Tue Dec 05 15:00:07 2023
Tue Apr 17 15:38:44 2007
Tue Apr 17 15:38:40 2007

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.019	0.660	V	0.000	400.000	mmho/m	660.000	22.000
Medium	-0.006	0.655	V	0.000	462.500	mmho/m	720.000	-25.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.010	0.665	V	0.000	400.000	mmho/m	610.018	-5.925
Medium	0.009	0.655	V	0.000	400.000	mmho/m	618.983	-5.564

Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	3.372	400.834	mmho/m	0.556	401.206	mmho/m	1.008	-2.843
Medium	13.557	467.446	mmho/m	9.465	462.114	mmho/m	0.997	-4.055
Shallow	2.521	0.019	V	500.000	2.000	Ohm-m	200.000	2.000

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	3.372	400.834	mmho/m	1.008	-2.843
Medium	0.000	0.000	mmho/m	13.557	467.446	mmho/m	0.997	-4.055
Shallow	2.500	0.000	Ohm-m	500.000	2.000	Ohm-m	200.000	0.000

Litho Density Calibration Report
Serial: 004 Model: PRB

Master Calibration					Performed Tue Aug 02 11:29:35 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1154.2	10019.5	3137.9	2795.6				cps
Window 2	1054.4	8597.6	2733.4	2469.5				cps
Window 3	902.3	5241.4	1832.1	1719.3				cps
Window 4	251.9	261.1	255.8	252.9				cps
Long Space	0.0	7543.2	1679.0	1415.0				cps
Short Space	4.4	2049.3	1321.7	1116.8				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio			: 0.562	
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept			: -17.2	

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:		070808PMC			
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:	070558				
Tool Model:	OPEN_GR				
Performed:	Wed Nov 15 06:07:43 2023				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.3000	GAPI/cps			