

DUAL INDUCTION LOG

Company	JASPAR CO. INC.	Company	JASPAR CO. INC.
Well	ASHMORE #1	Well	ASHMORE #1
Field	UNNAMED	Field	UNNAMED
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24468-0000 1650' FSL & 1320' FWL S/2 - N/2 - SW	Other Services CDL/CNL MEL/SON	
Permanent Datum	SEC 11 TWP 6S RGE 20W	Elevation	
Log Measured From	GROUND LEVEL Elevation 2176 KELLY BUSHING 7' A.G.L.	K.B. 2183 D.F. 2181 G.L. 2176	
Drilling Measured From	KELLY BUSHING		
Date	11/19/22		
Run Number	ONE		
Depth Driller	3645		
Depth Logger	3638		
Bottom Logged Interval	3636		
Top Log Interval	00		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 3,000 PPM	
Density / Viscosity	9.1/50		
pH / Fluid Loss	10.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.20@49F		
Rmf @ Meas. Temp	1.65@49F		
Rmc @ Meas. Temp	2.64@49F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.954@113F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	4.45 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	8916		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
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.

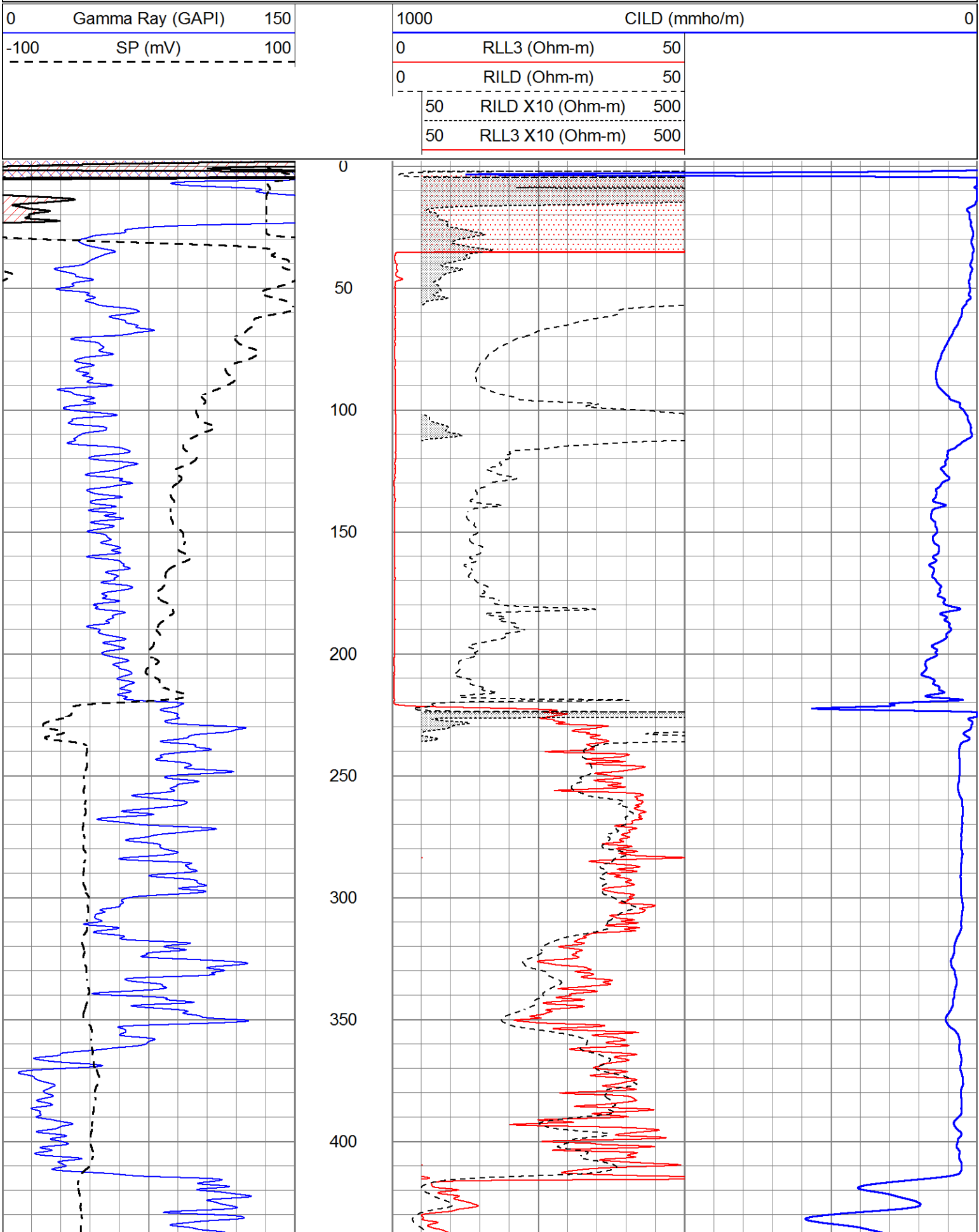
Comments

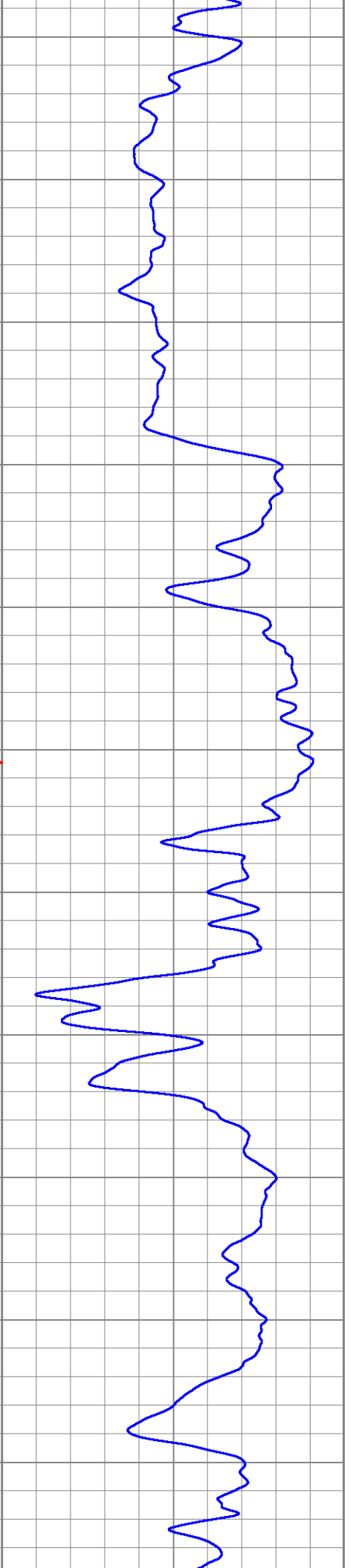
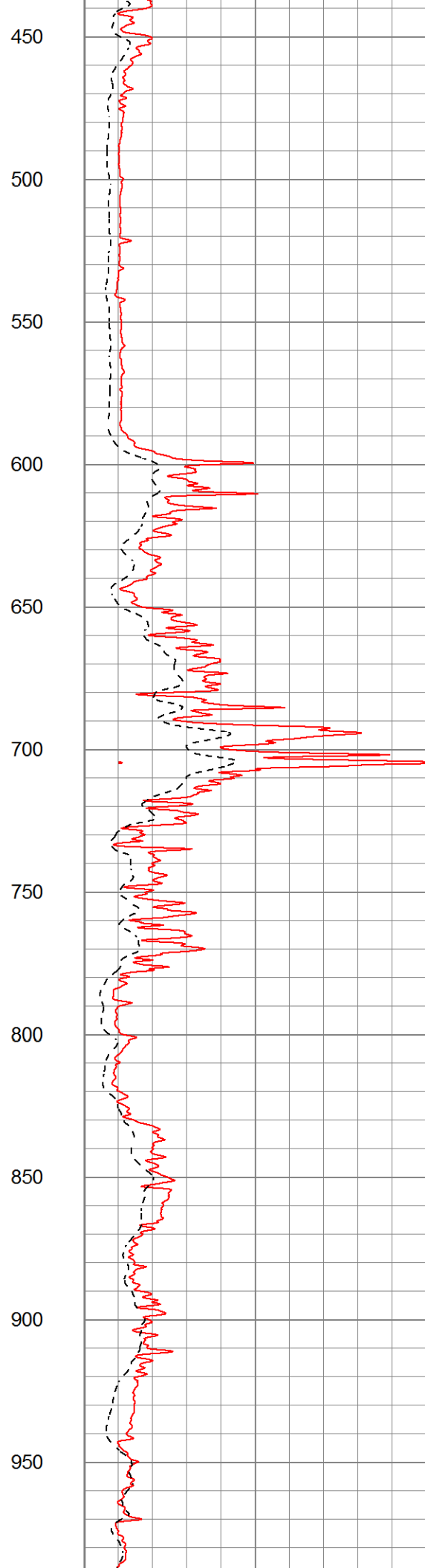
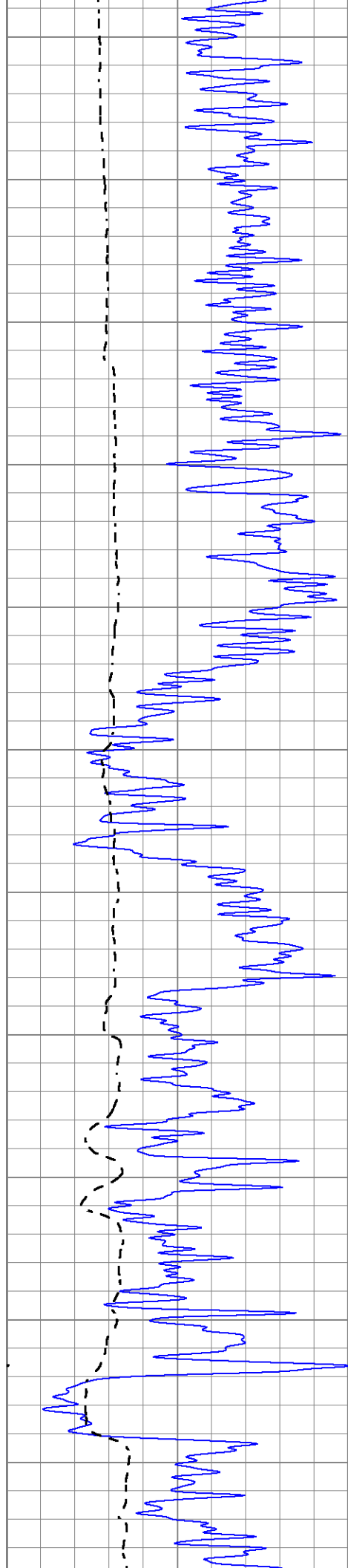
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
STOCKTON, KS., 9N. ON HWY 183 TO (ROOKS/PHILLIPS COUNTY LINE) 13W. ON "RD. A" TO "RD. 5", 1 1/2S., E. INTO

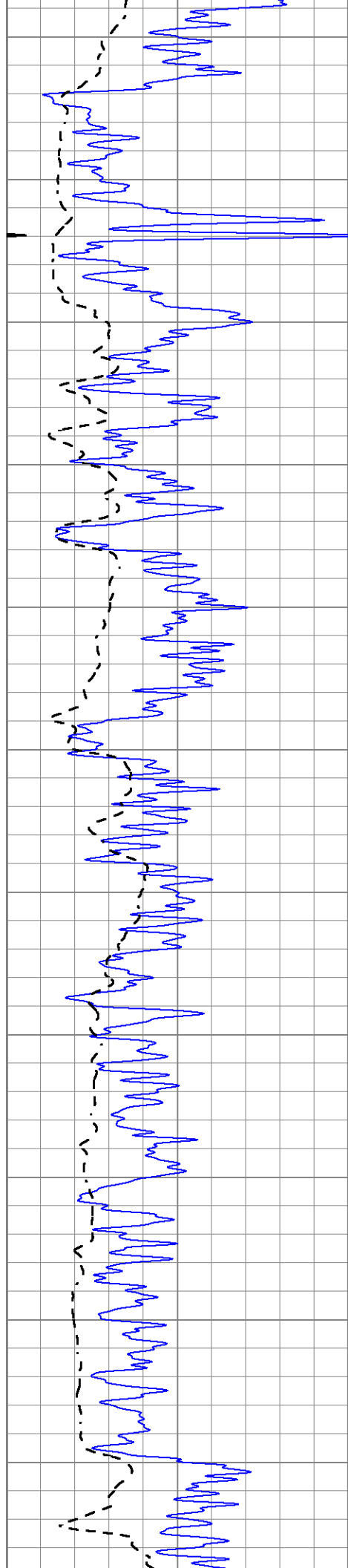


MAIN SECTION

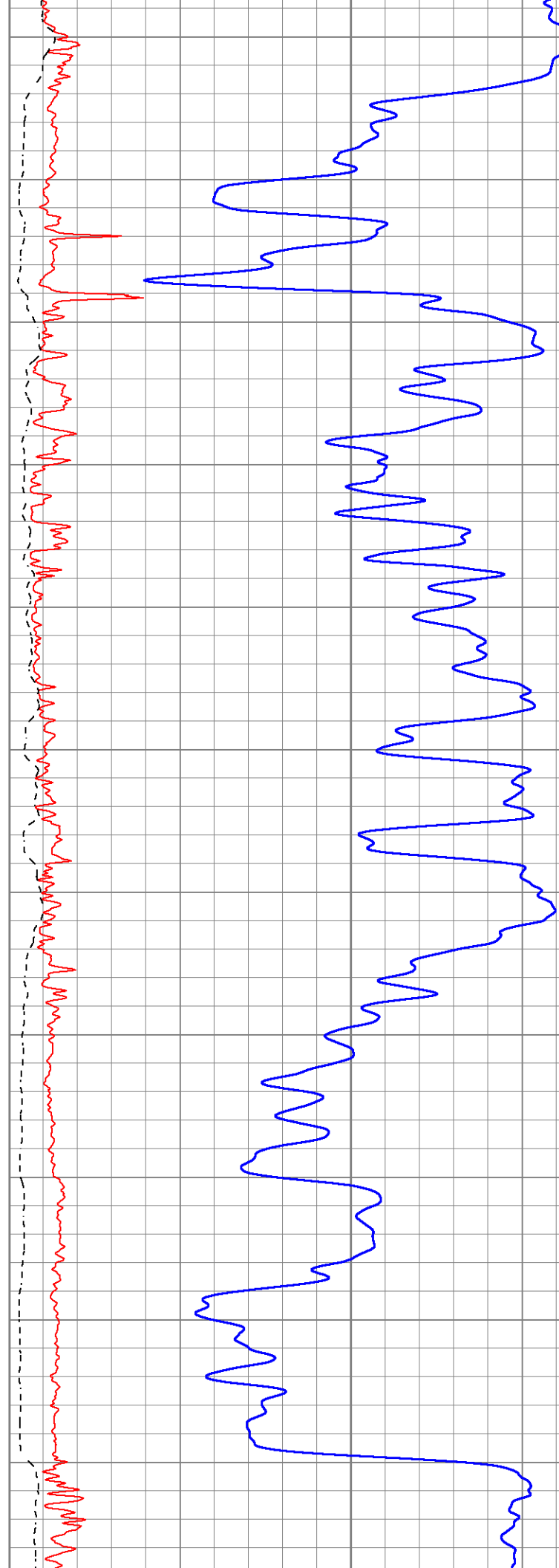
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Dataset Pathname	pass5.1M
Presentation Format	_dil2
Dataset Creation	Sat Nov 19 17:58:07 2022
Charted by	Depth in Feet scaled 1:600

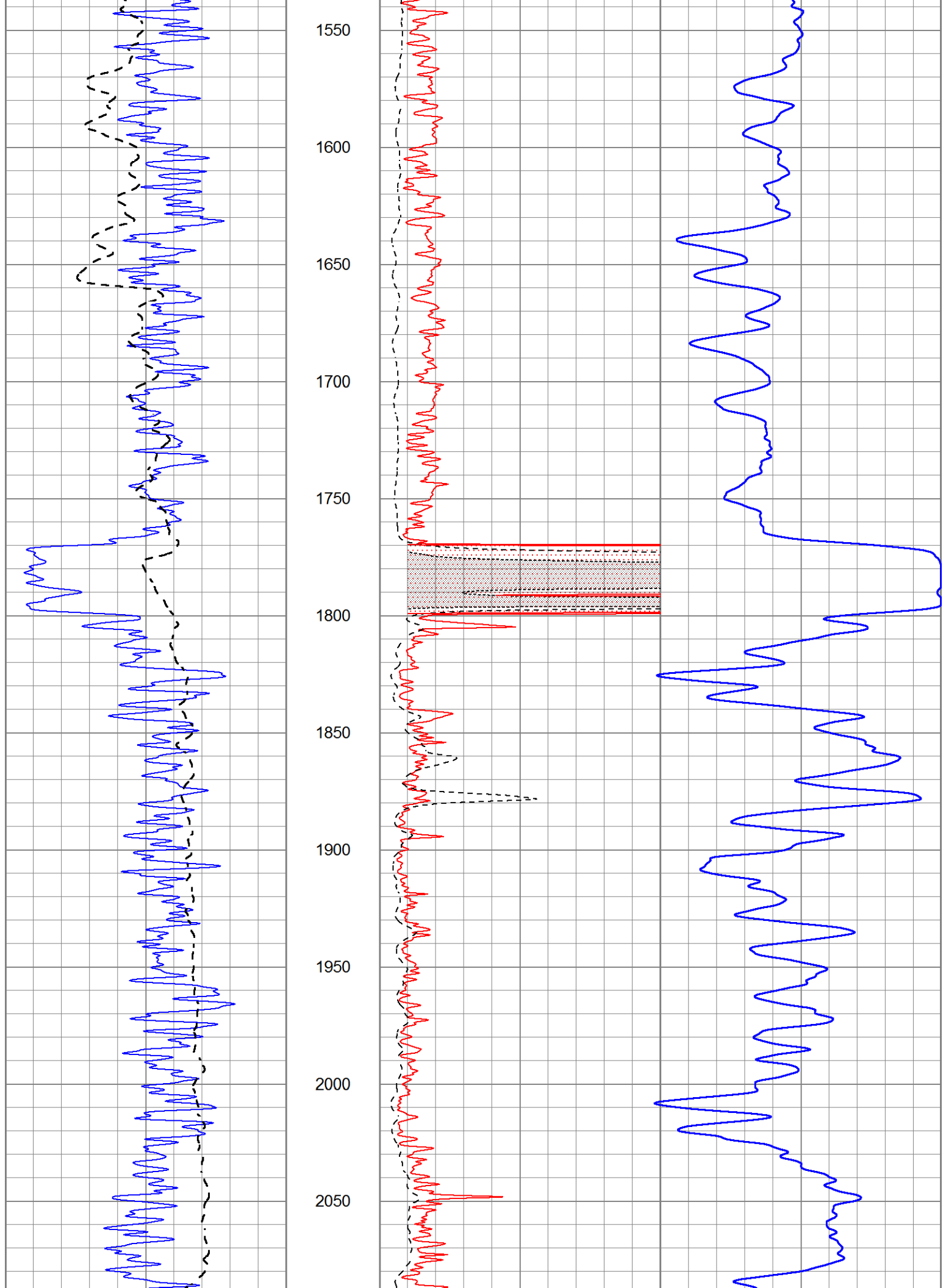


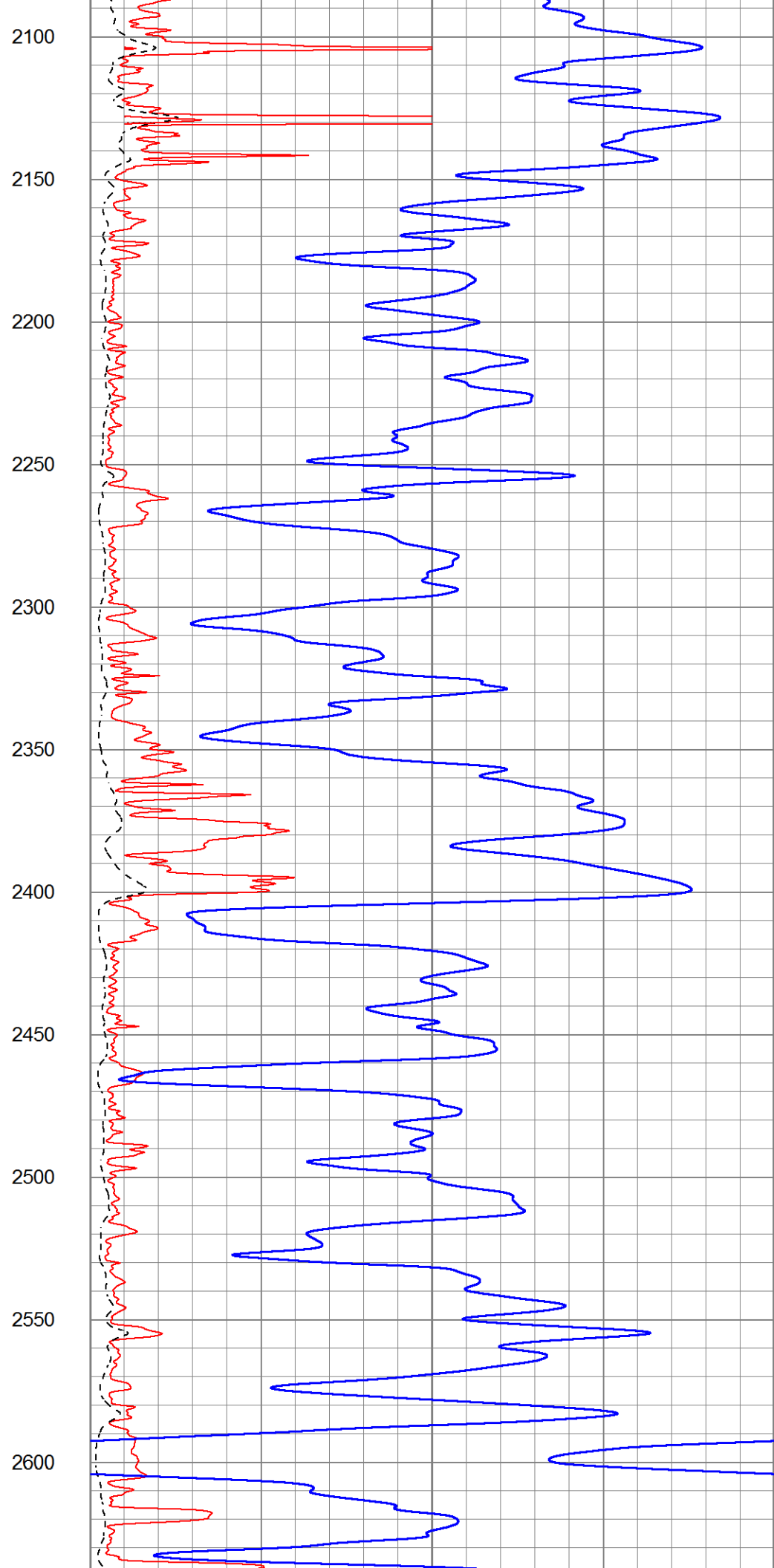
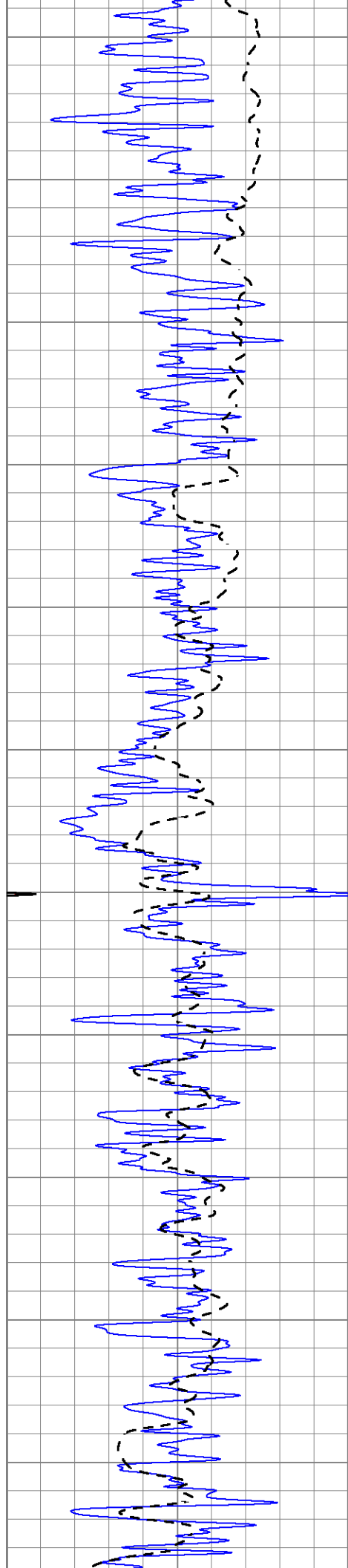


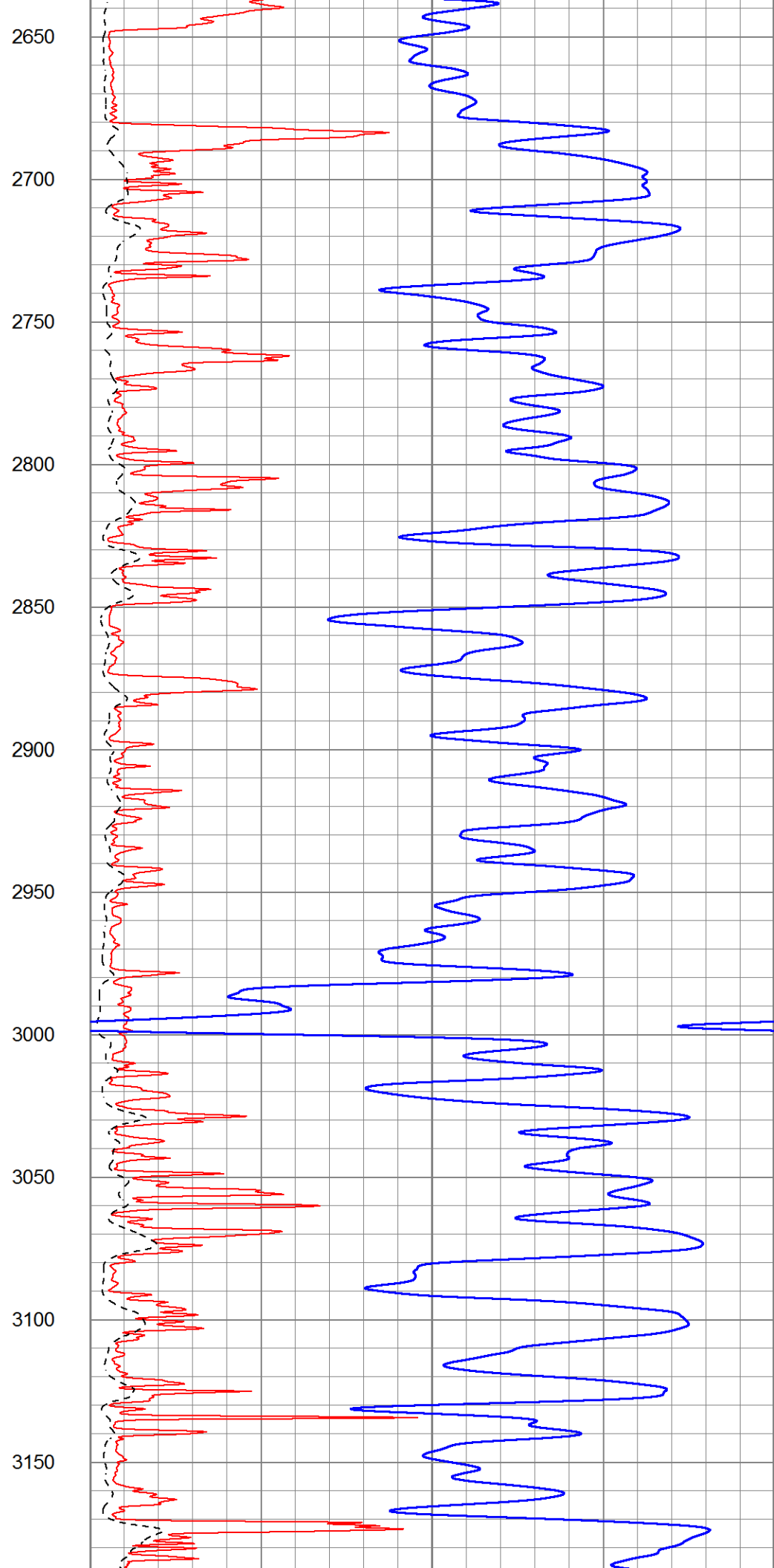
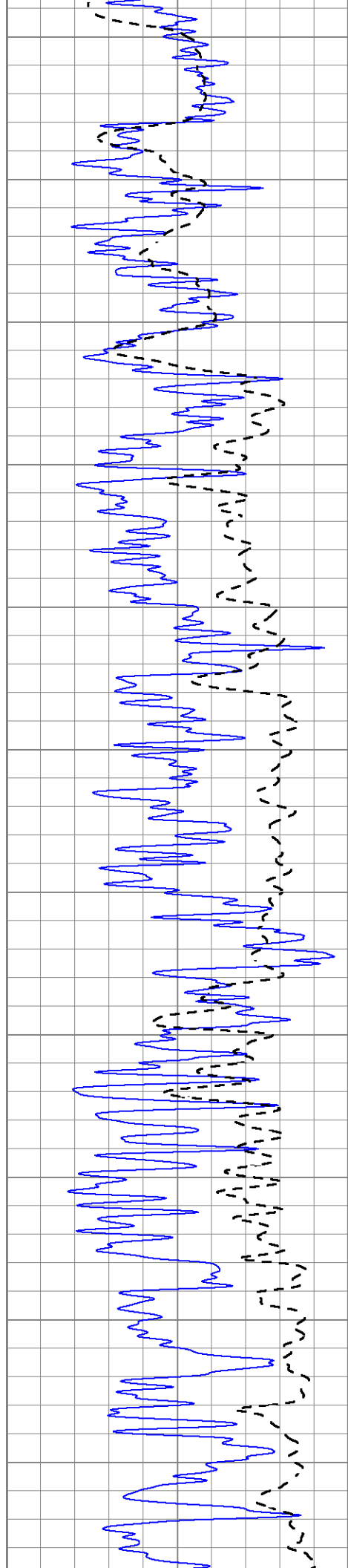


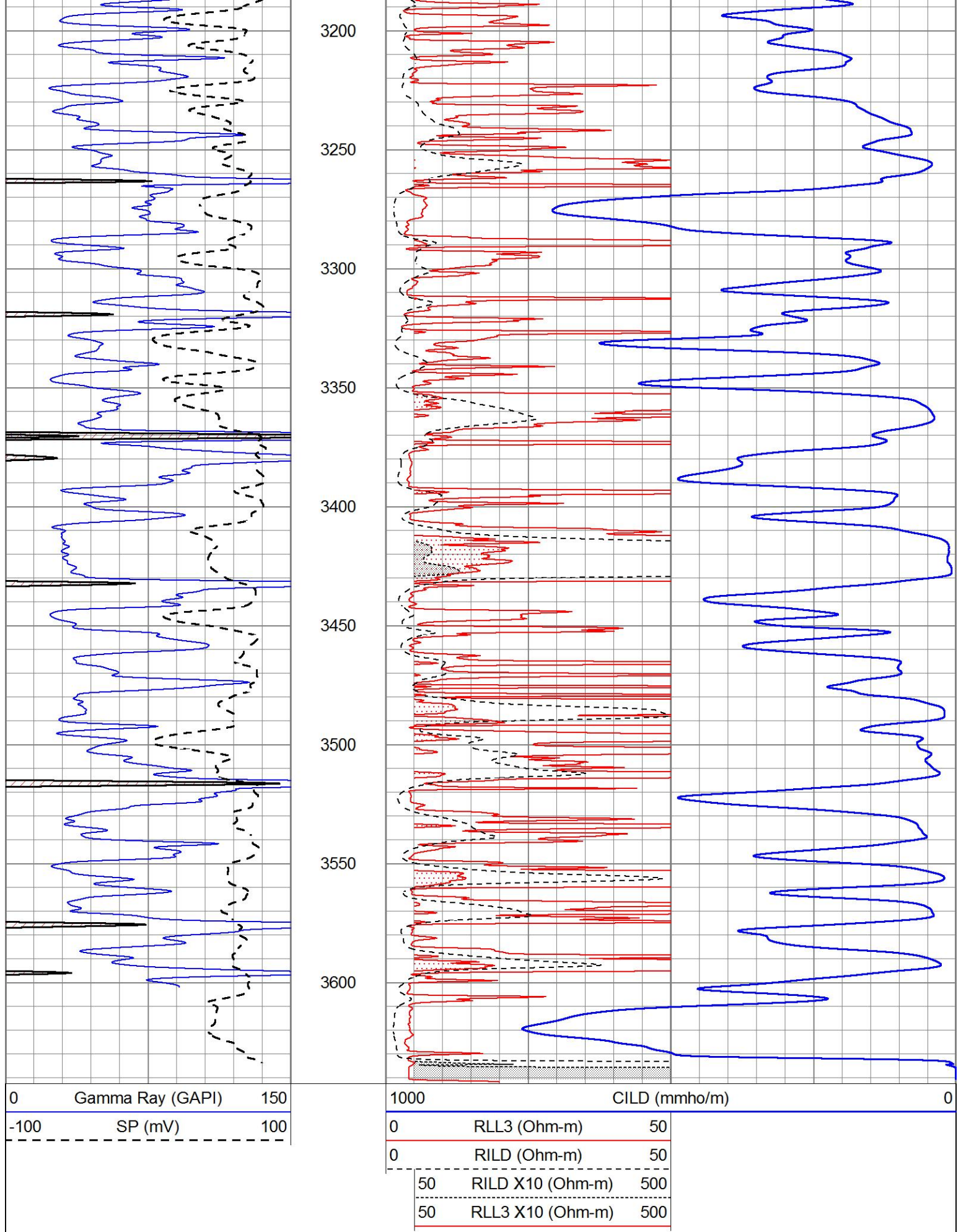
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500









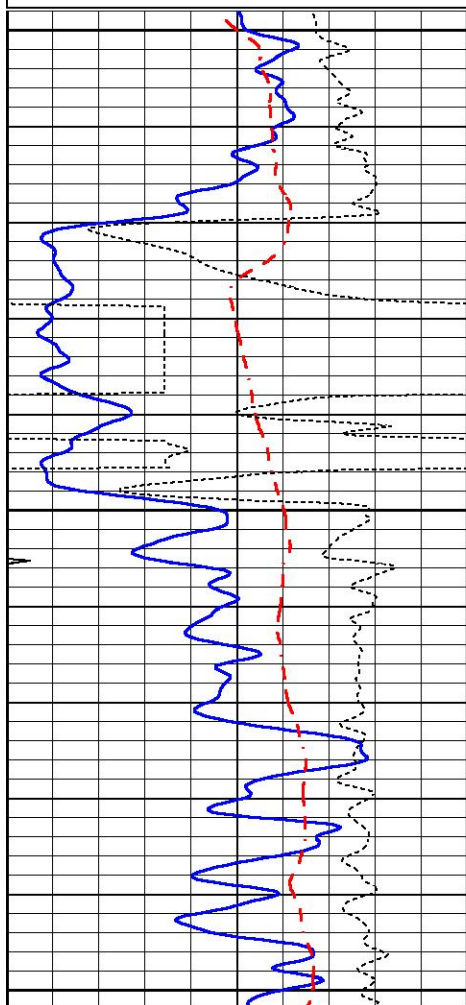




ANHYDRITE

Database File 6724ddn.db
Dataset Pathname pass5.1A
Presentation Format _dil
Dataset Creation Sat Nov 19 18:01:50 2022
Charted by Depth in Feet scaled 1:240

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



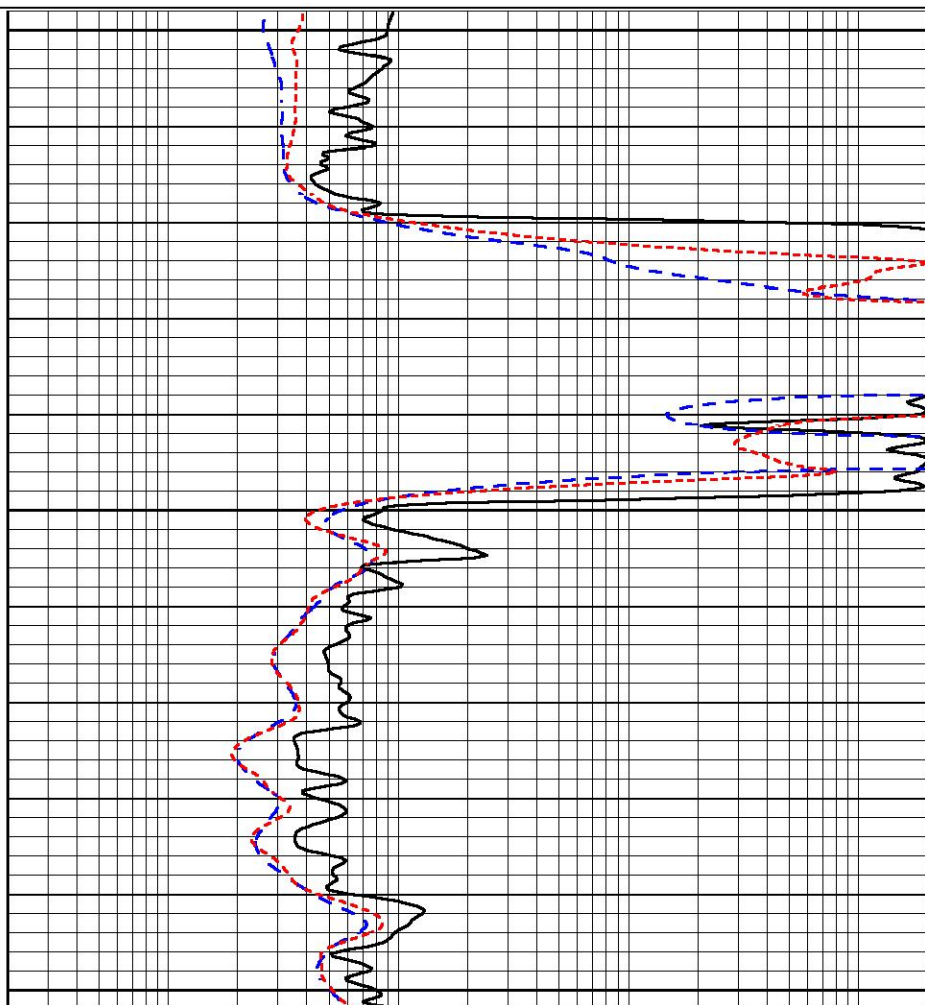
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

1750

1800

1850



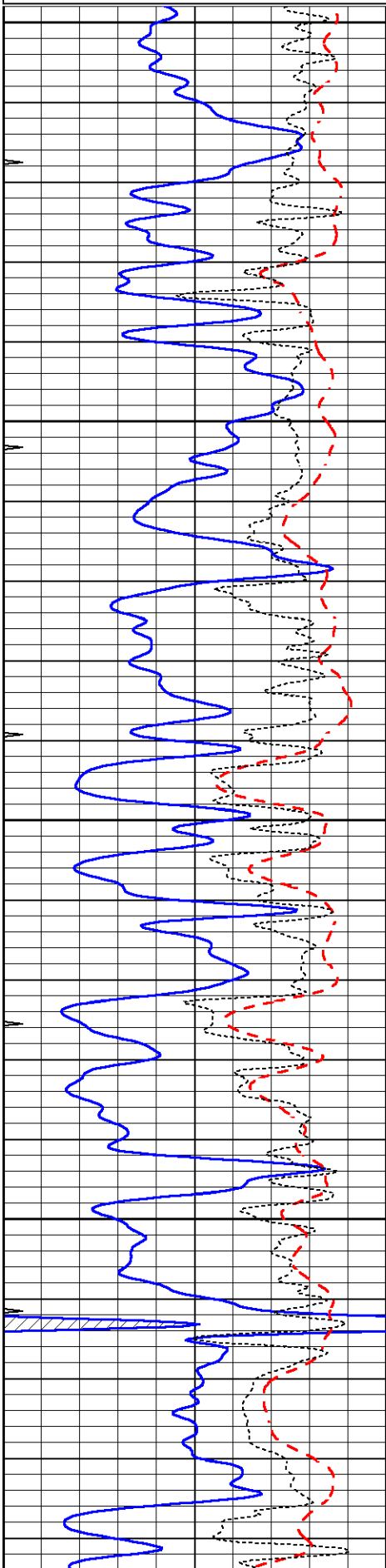
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



MAIN SECTION

Database File 6724ddn.db
Dataset Pathname pass5.1M
Presentation Format _dil
Dataset Creation Sat Nov 19 17:58:07 2022
Charted by Depth in Feet scaled 1:240

Charted by			Depth in Feet scaled 1:2.10		
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			

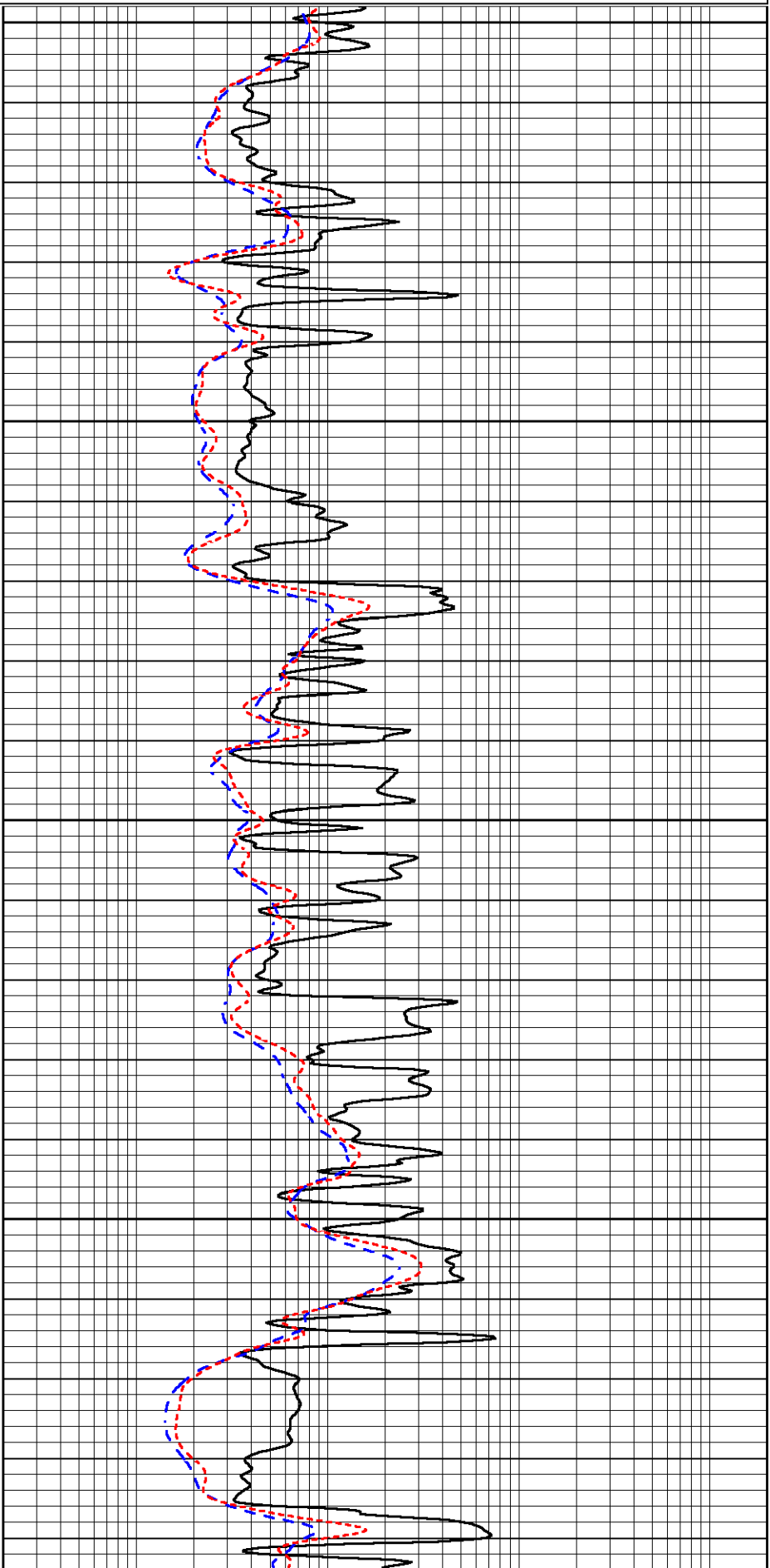


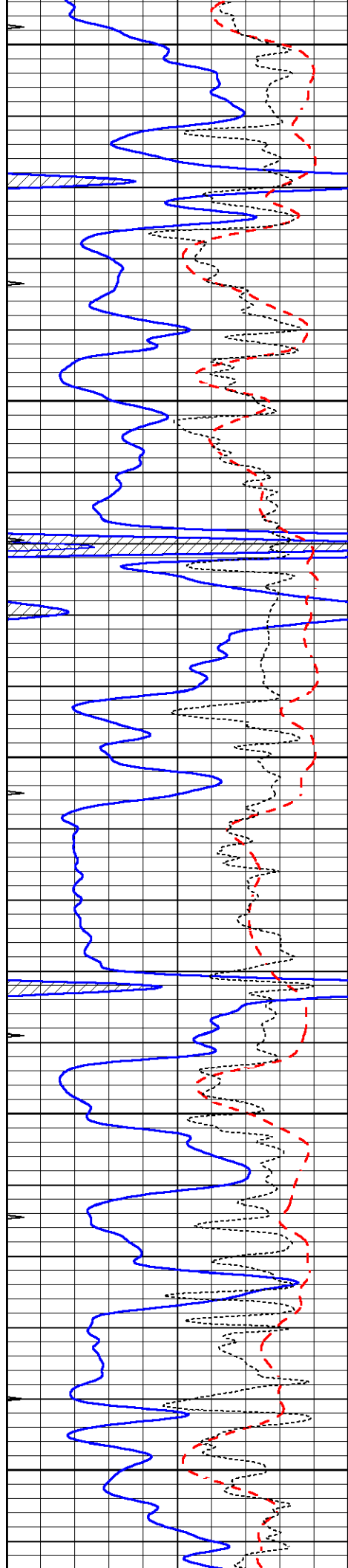
3100

3150

3200

3250





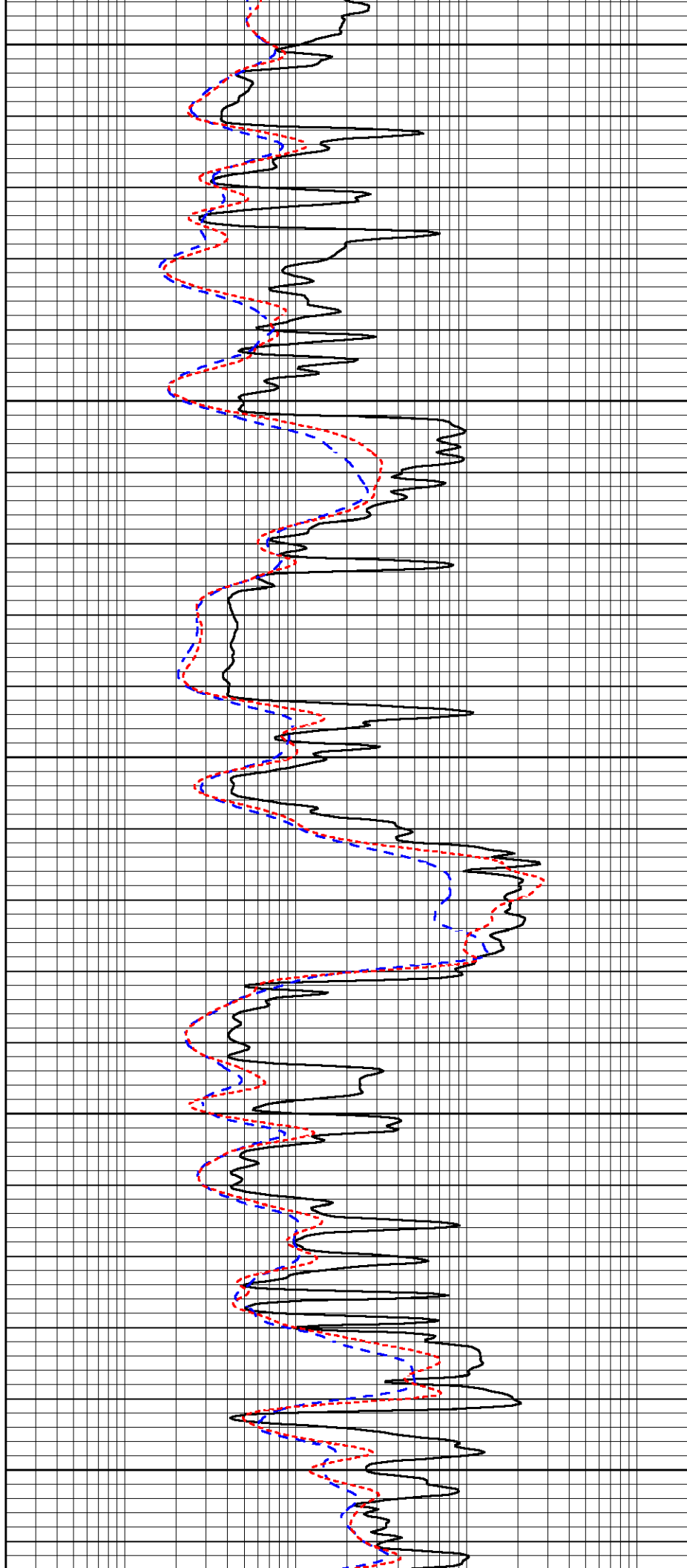
3300

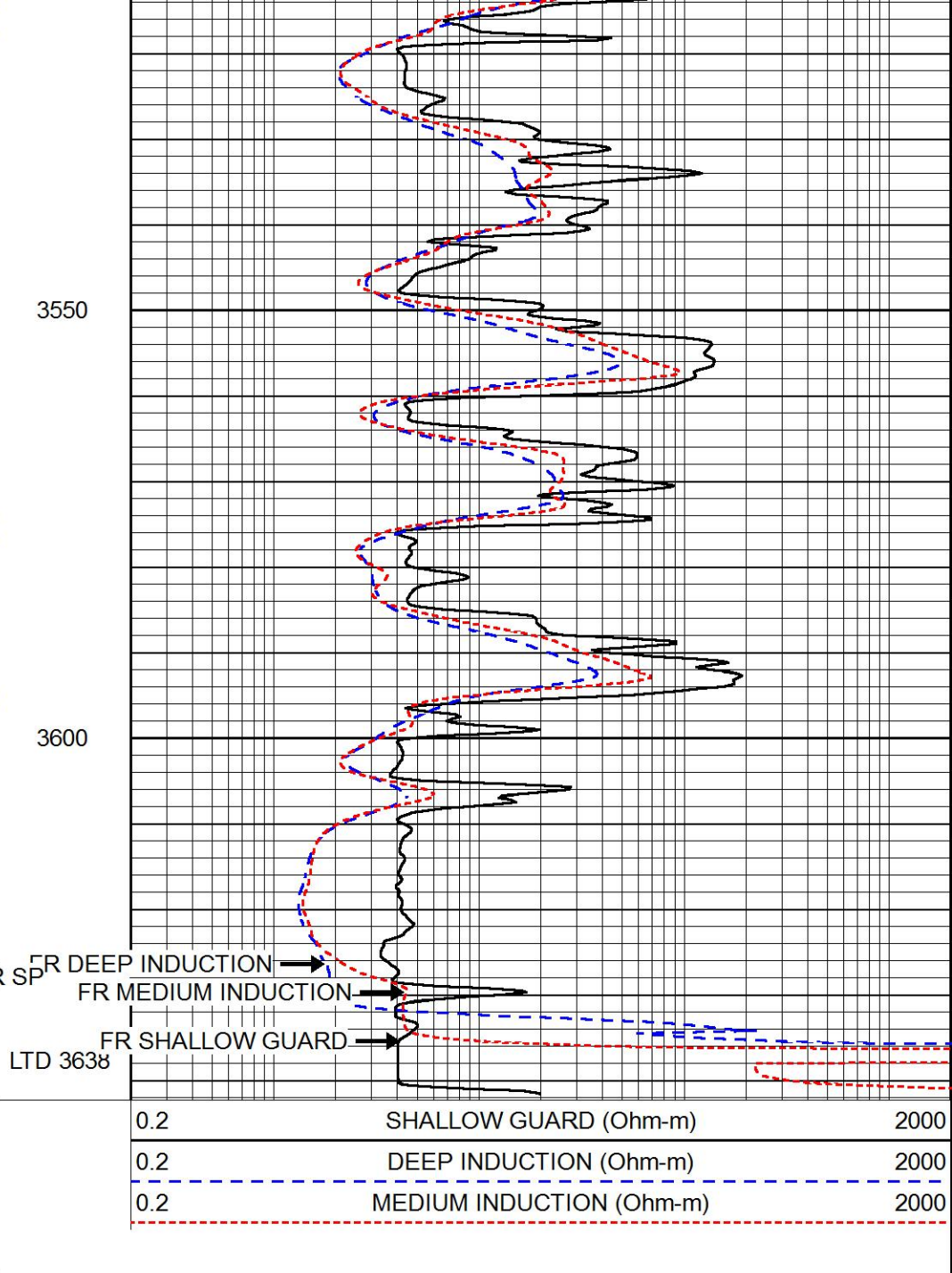
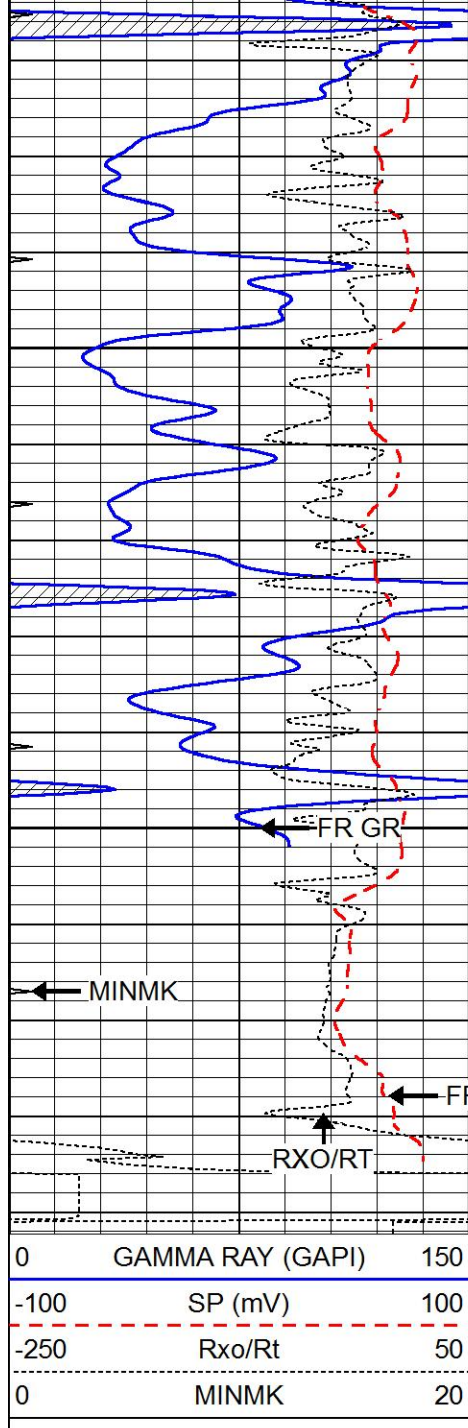
3350

3400

3450

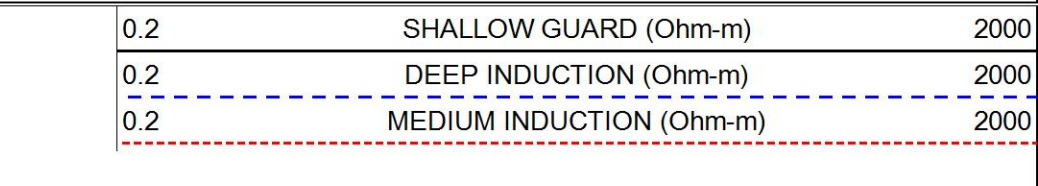
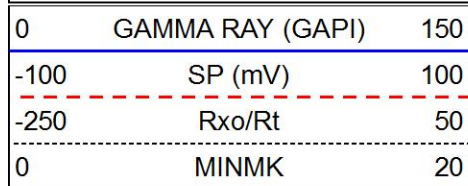
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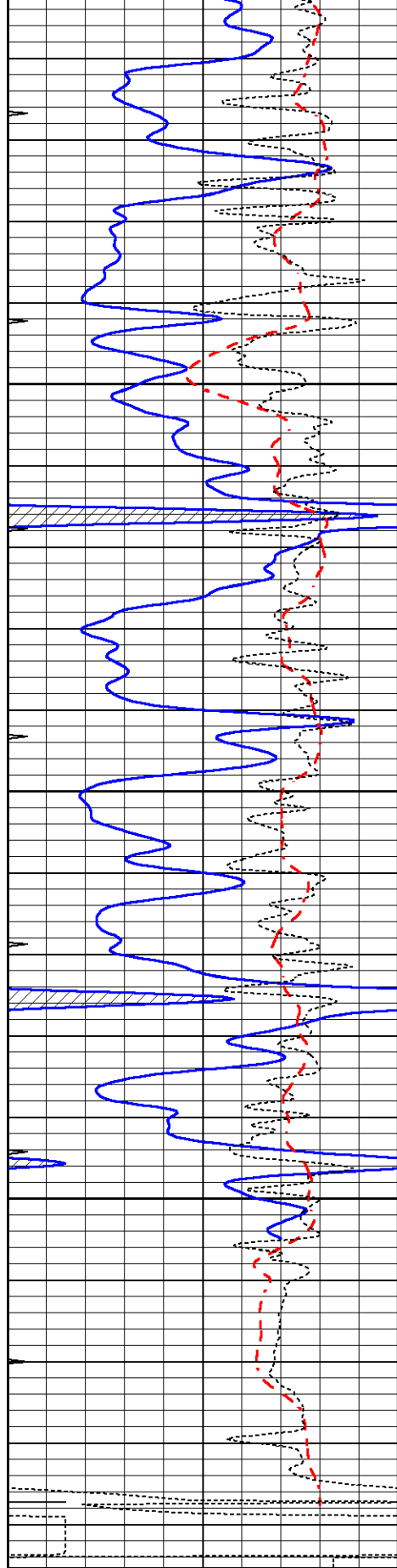




REPEAT SECTION

Database File 6724ddn.db
 Dataset Pathname pass4.1R
 Presentation Format _dil
 Dataset Creation Sat Nov 19 17:54:56 2022
 Charted by Depth in Feet scaled 1:240



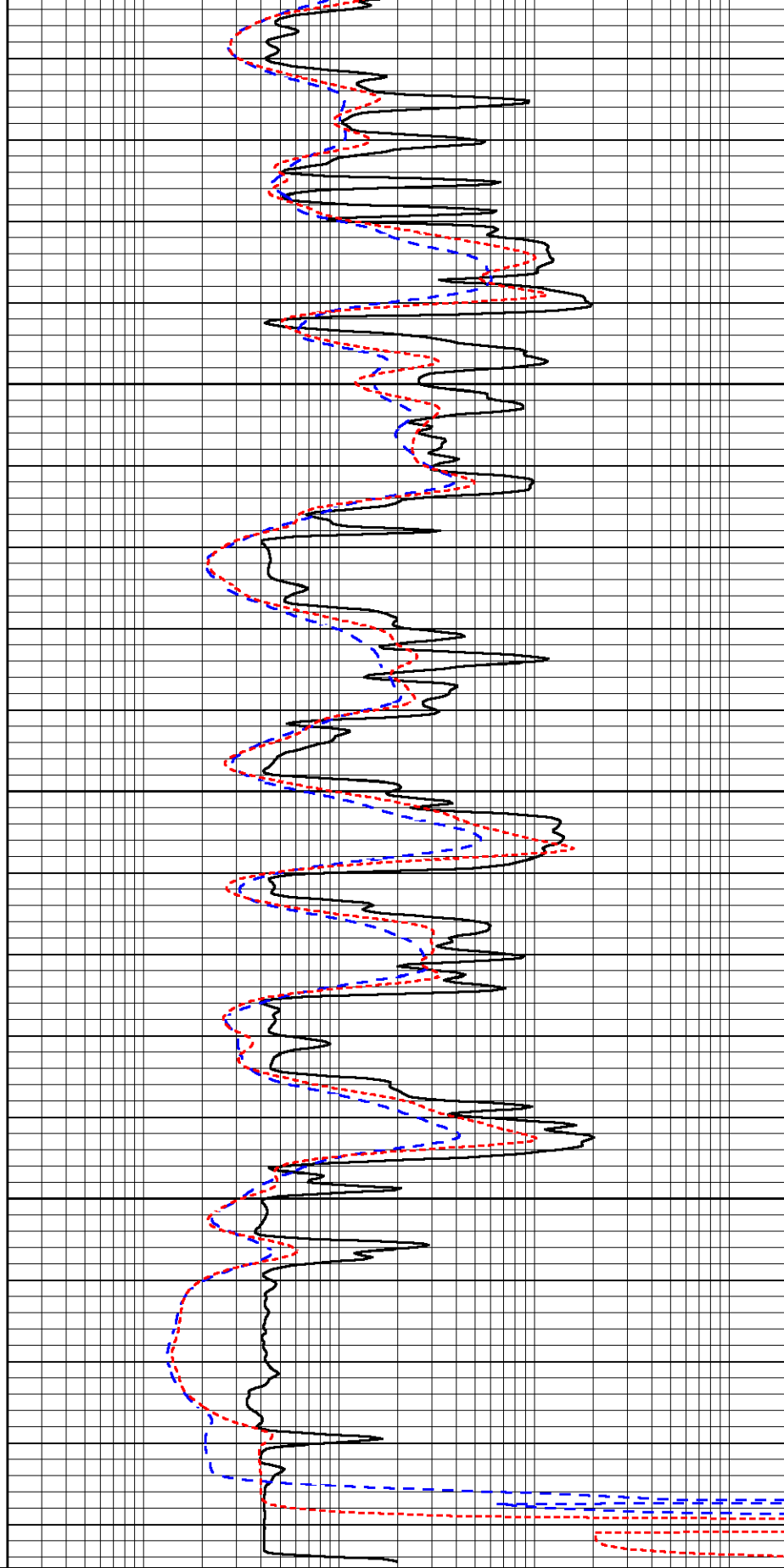


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

3500

3550

3600



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

Database File	6724ddn.db							
Dataset Pathname	pass5.1M							
Dataset Creation	Sat Nov 19 17:58:07 2022							
Dual Induction Calibration Report								
Serial-Model:			PROBE9-DILG					
Surface Cal Performed:			Wed Jul 20 21:12:08 2022					
Downhole Cal Performed:			Mon Jul 28 12:02:56 2008					
After Survey Verification Performed:			Mon Jul 28 12:02:56 2008					
Surface Calibration								
		Readings			References		Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	625.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	600.000	-16.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102
Downhole Calibration								
		Readings			References		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		
After Survey Verification								
		Readings			Targets		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		
Litho Density Calibration Report								
Serial: 004			Model: PRB					
Master Calibration								
					Performed Fri Nov 04 15:19:59 2022			
	Background	Magnesium		Aluminum		Aluminum+Fe		
Window 1	1153.2	7232.1		2536.8		2279.5		cps
Window 2	1055.6	6225.5		2222.3		2030.5		cps
Window 3	902.5	3849.3		1546.4		1462.0		cps
Window 4	254.4	258.2		253.1		253.9		cps
Long Space	0.0	5169.9		1166.7		974.9		cps
Short Space	4.7	1383.0		950.5		792.1		cps
Rho		1.7100		2.5900		0.0000		g/cc
Pe		2.0000		2.7500		5.7900		
Rib Angle	: 45.9	Rib Slope	: 1.031	Density/Spine Ratio		: 0.573		
Spine Angle	: 75.9	Spine Slope	: 3.970	Spine Intercept		: -20.2		
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	

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Compensated Neutron Calibration Report
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Serial Number:	6I
Tool Model:	G

CALIBRATION						
	Detector	Readings		Target		Normalization
	Short Space	1.00	cps	1.00	cps	1.0000
	Long Space	1.00	cps	1.00	cps	1.0000

PRE-SURVEY VERIFICATION						
	Detector	Readings		Measured	Target	
1)	Short Space		cps			
	Long Space		cps	pu	pu	
2)	Short Space		cps			
	Long Space		cps	pu		
3)	Short Space		cps			
	Long Space		cps	pu		

POST-SURVEY VERIFICATION						
	Detector	Readings		Measured	Target	
1)	Short Space		cps			
	Long Space		cps	pu	pu	
2)	Short Space		cps			
	Long Space		cps	pu	pu	
3)	Short Space		cps			
	Long Space		cps	pu	pu	

Gamma Ray Calibration Report

Serial Number:	GR6
Tool Model:	OPEN
Performed:	Tue Nov 08 13:43:57 2022

Calibrator Value:	150.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps

Sensitivity:	0.8500	GAPI/cps
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