



DUAL INDUCTION LOG

Company	JOHN O. FARMER, INC.		
Well	HOFFMAN-DINKEL B #3		
Field	YOUNGER		
County	ELLIS	State	KS
Location:	API # : 15-051-27108 2640' FSL & 1870' FEL		Other Services ML CDNL
Permanent Datum	SEC 5	TWP 14S	RGE 17W
Log Measured From	Ground Level		Elevation 2020'
Drilling Measured From	KB 8' AGL		Elevation K.B. 2028 D.F. 2026 G.L. 2020
Date	6/3/2024		
Run Number	One		
Depth Driller	3670		
Depth Logger	3670		
Bottom Logged Interval	3668		
Top Log Interval	00		
Casing Driller	8 5/8" @ 221'		
Casing Logger	221'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	9.0/52		
pH / Fluid Loss	9.5/9.6		
Source of Sample	Pit		
Rm @ Meas. Temp	1.7@70degf		
Rmf @ Meas. Temp	1.28@70degf		
Rmc @ Meas. Temp	2.04@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.17@102degf		
Time Circulation Stopped	10:00 A.M.		
Time Logger on Bottom	12:30 P.M.		
Maximum Recorded Temperature	102degf		
Equipment Number	T-605		
Location	HAYS, KS.		
Recorded By	COLBY DREILING		
Witnessed By	AUSTIN KLAUS		

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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

FROM HAYS ON HW 40, GO 1 MILE EAST OF THE TOULON BLACKTOP, THEN 1 MILE NORTH ON 300TH AVE, THEN WEST INTO.

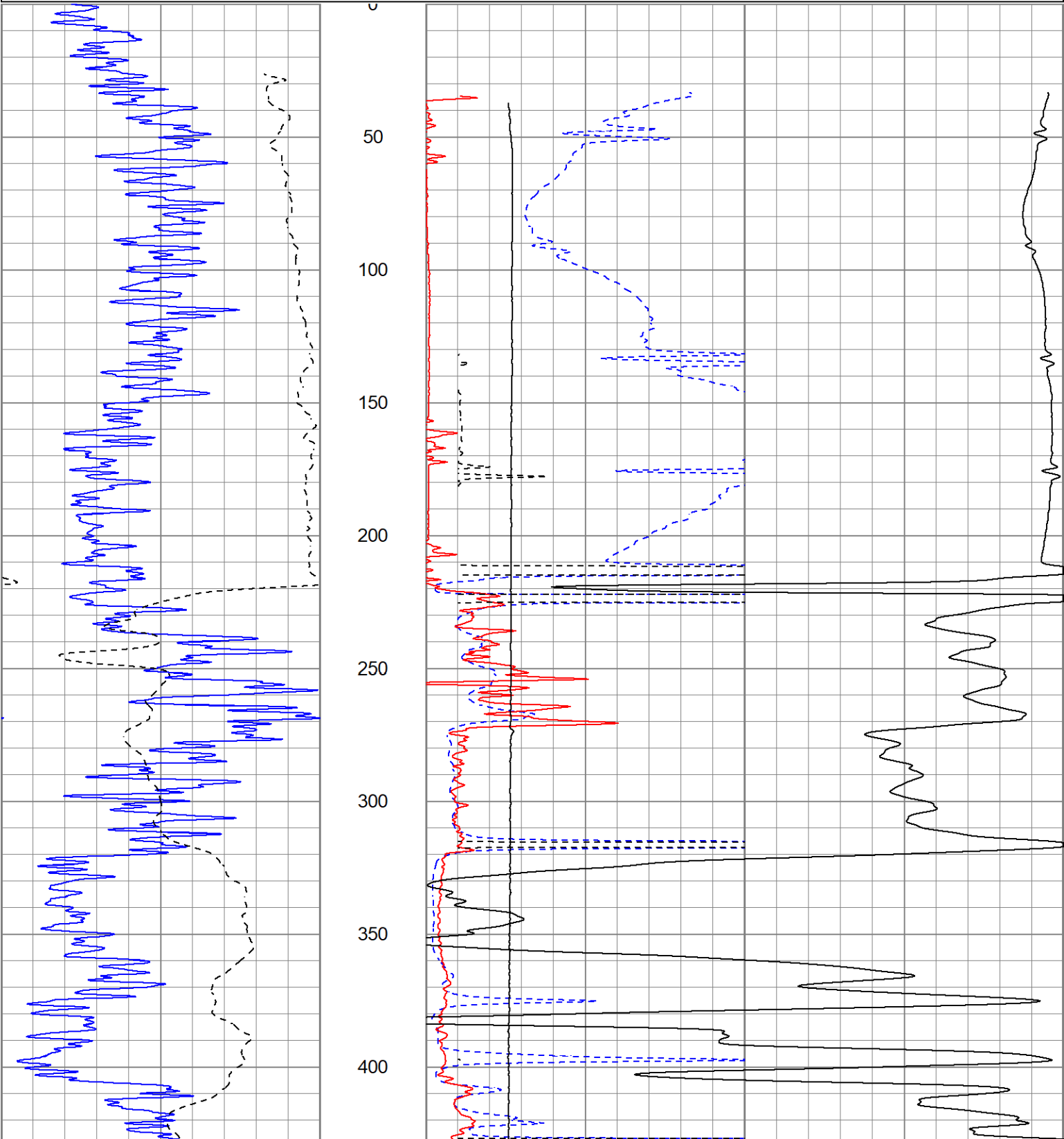
Thank you for using Gemini Wireline
785-625-1182



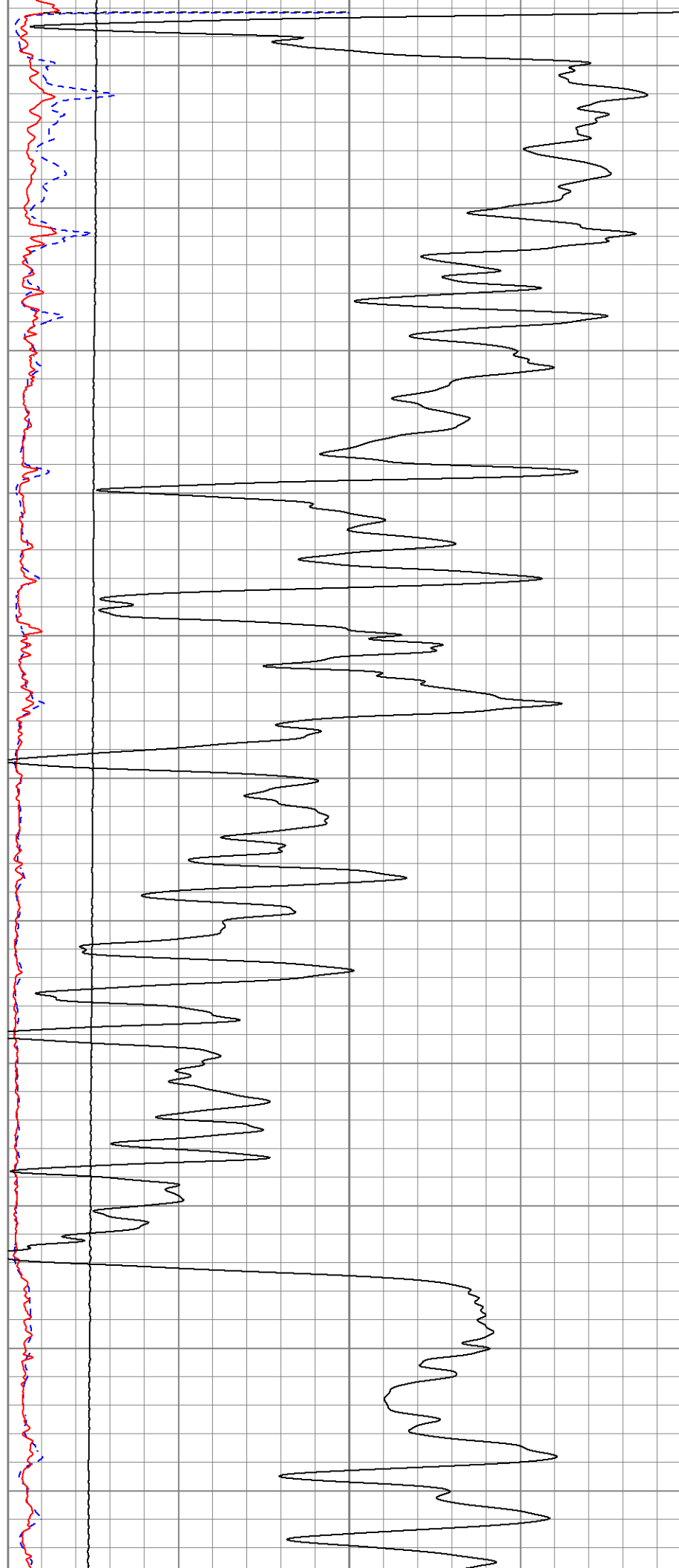
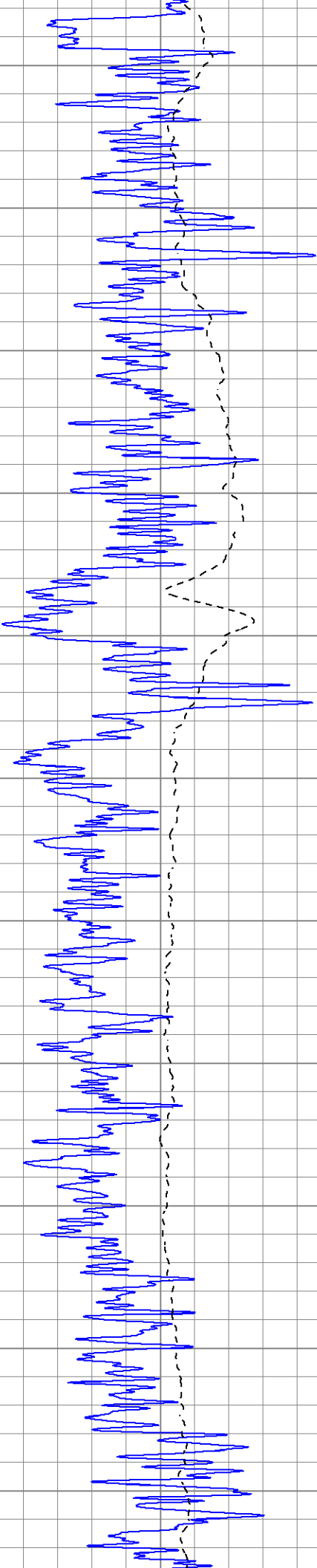
MAIN PASS

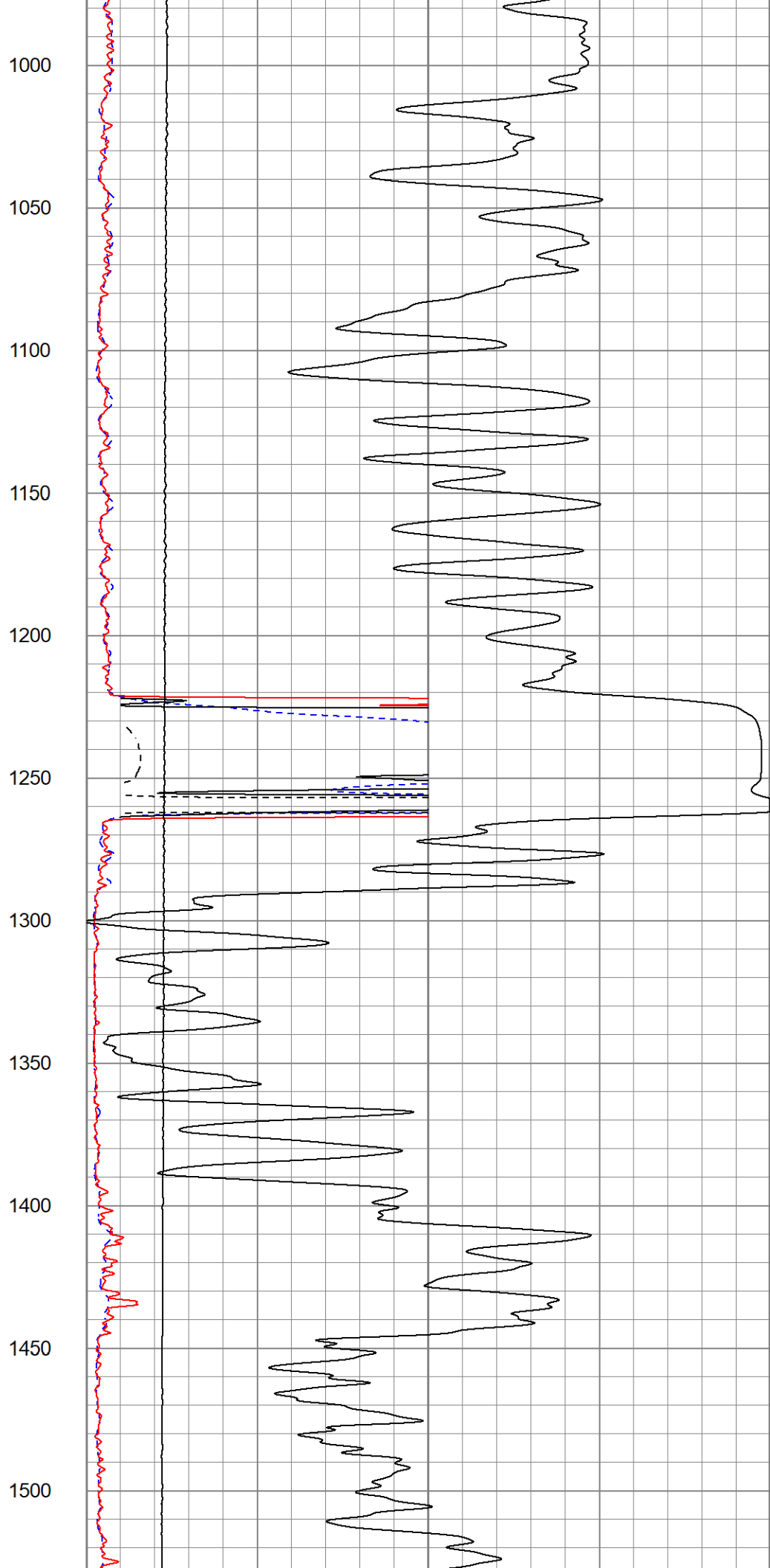
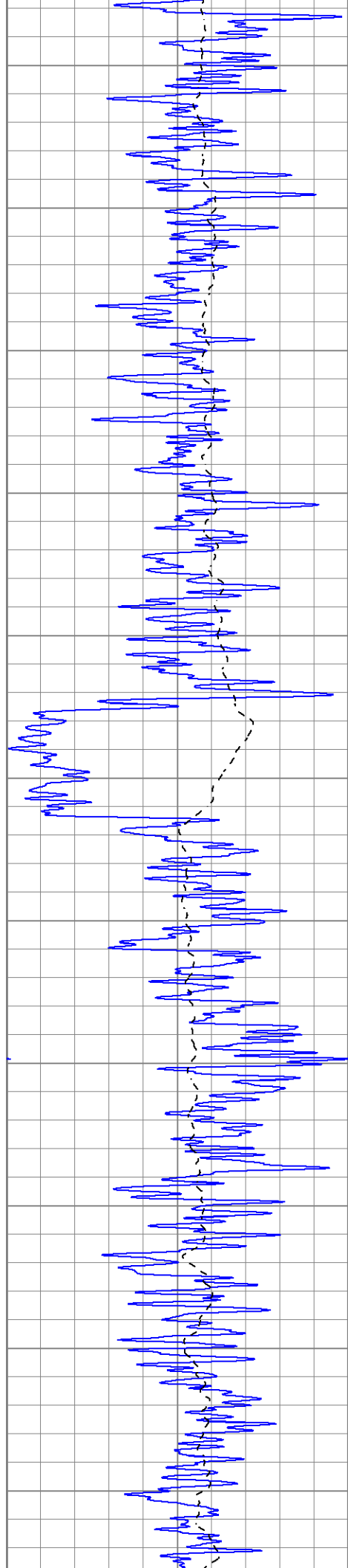
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Dataset Pathname	pass3.1DIL1
Presentation Format	kdillinn
Dataset Creation	Mon Jun 03 13:19:55 2024
Charted by	Depth in Feet scaled 1:600

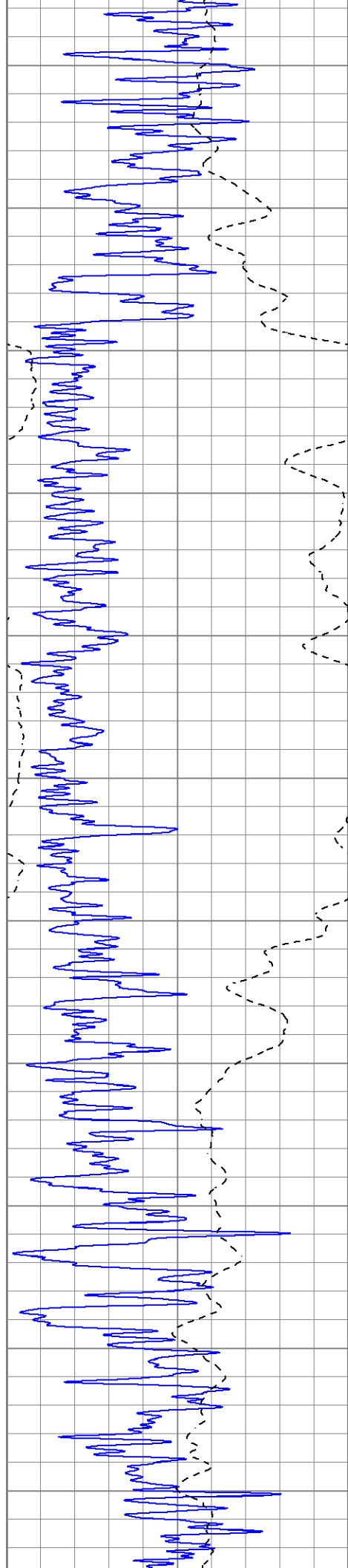
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-100	SP (mV)	100	10000	LTEN (lb)	0
			0	RILD (Ohm-m)	50
			0	RLL3 (Ohm-m)	50
			50	RILD x 10 (Ohm-m)	500
			50	RLL3 x 10 (Ohm-m)	500



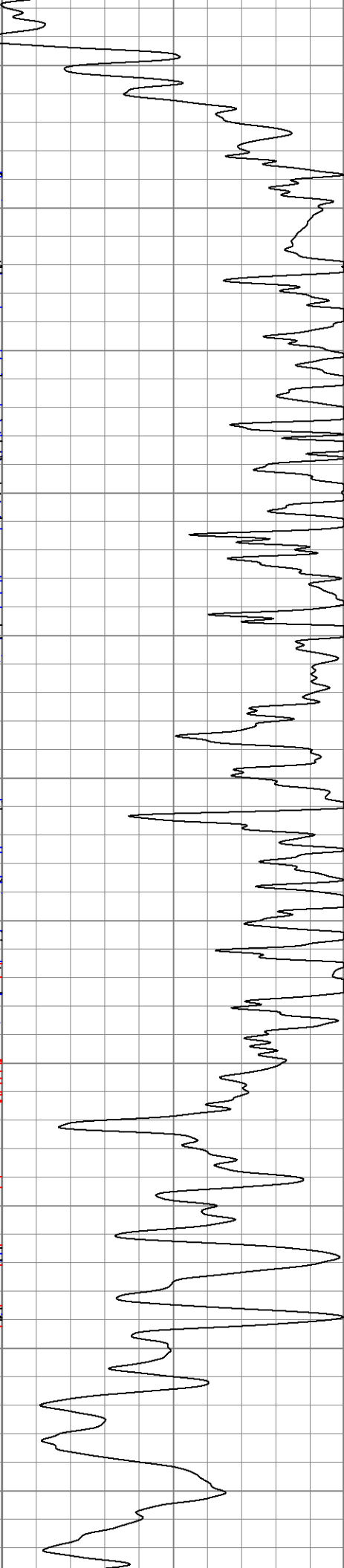
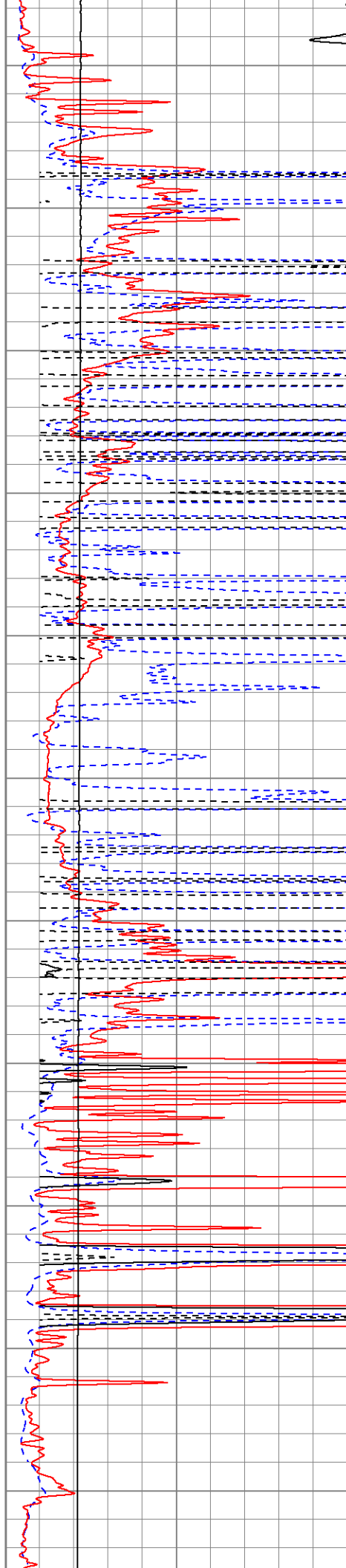
450
500
550
600
650
700
750
800
850
900
950

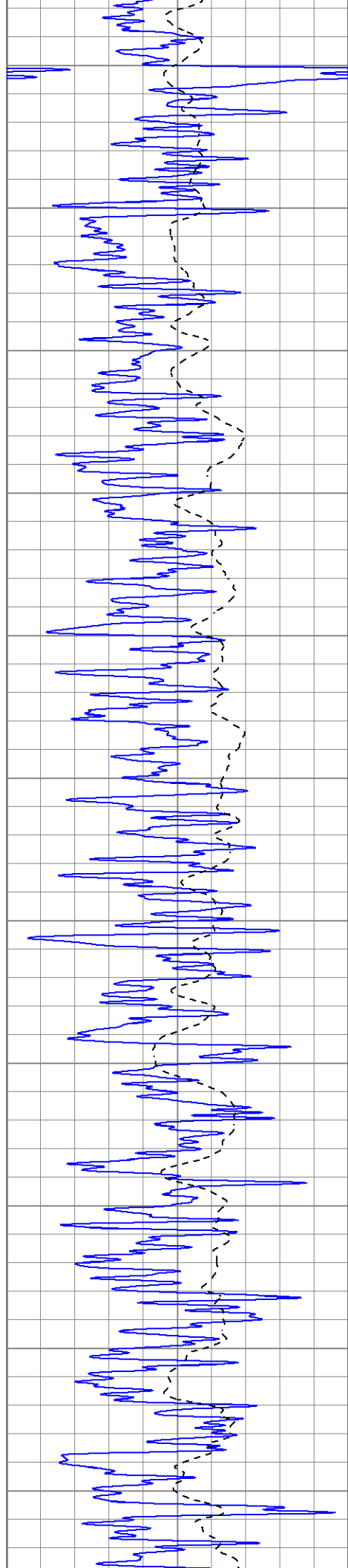




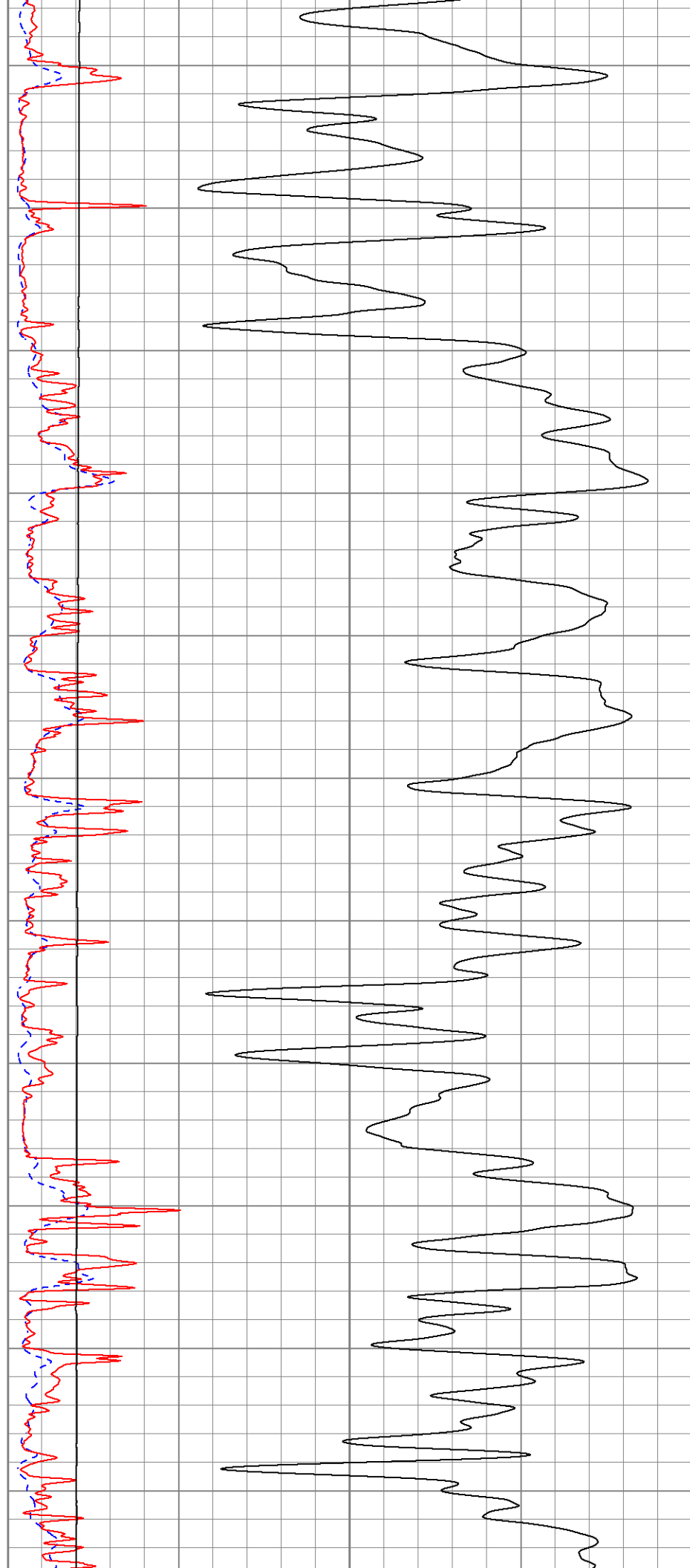


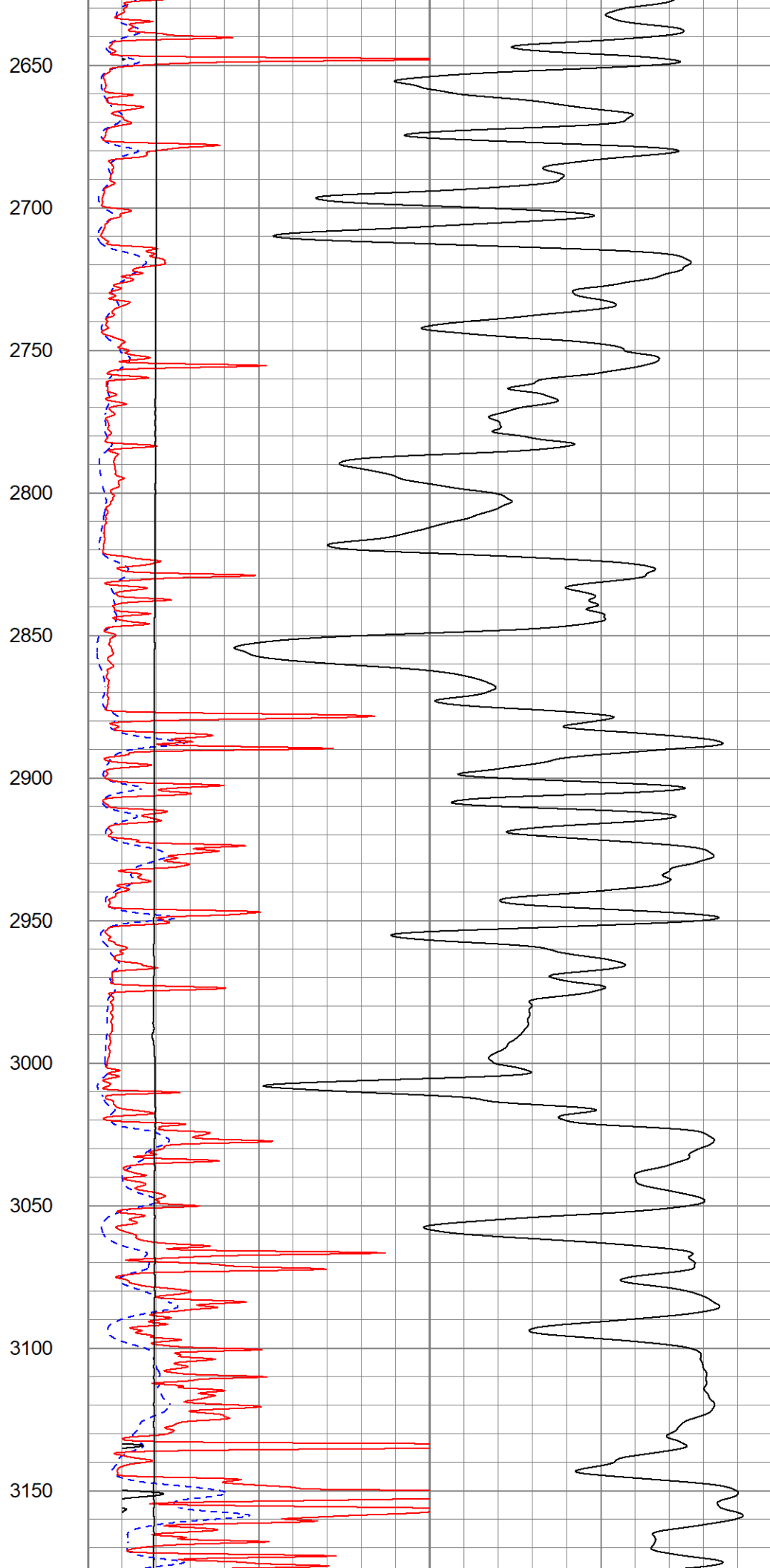
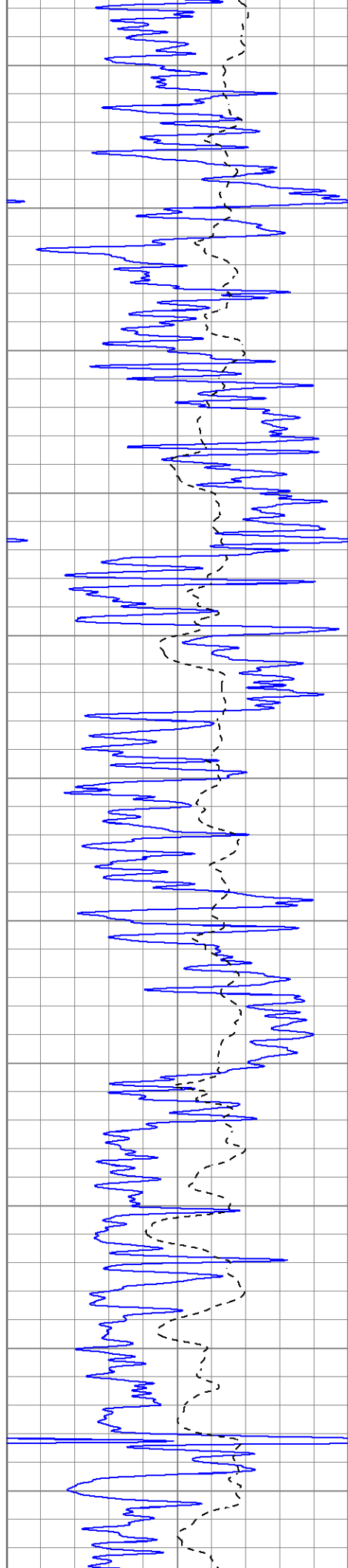
1550
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050

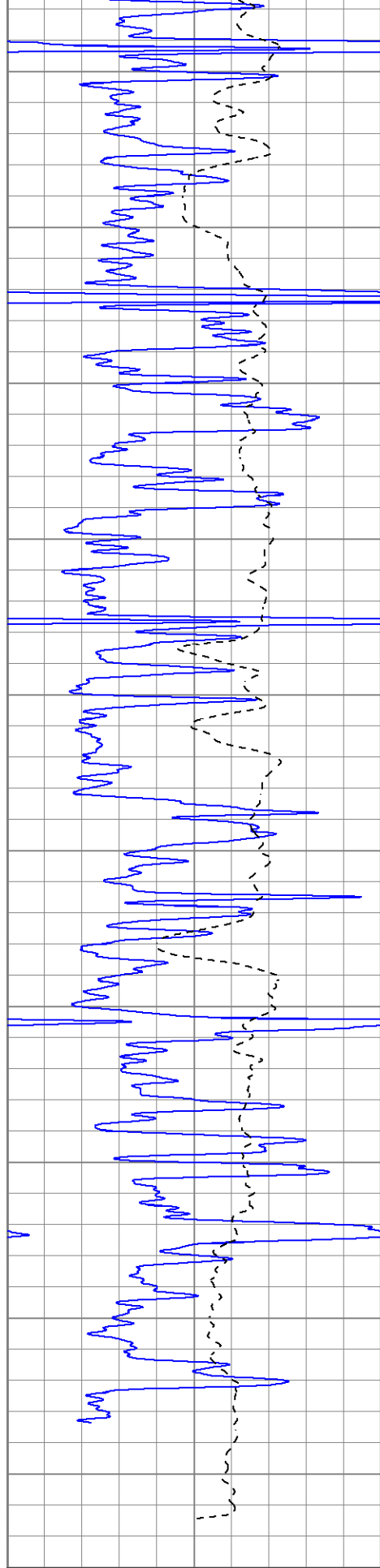




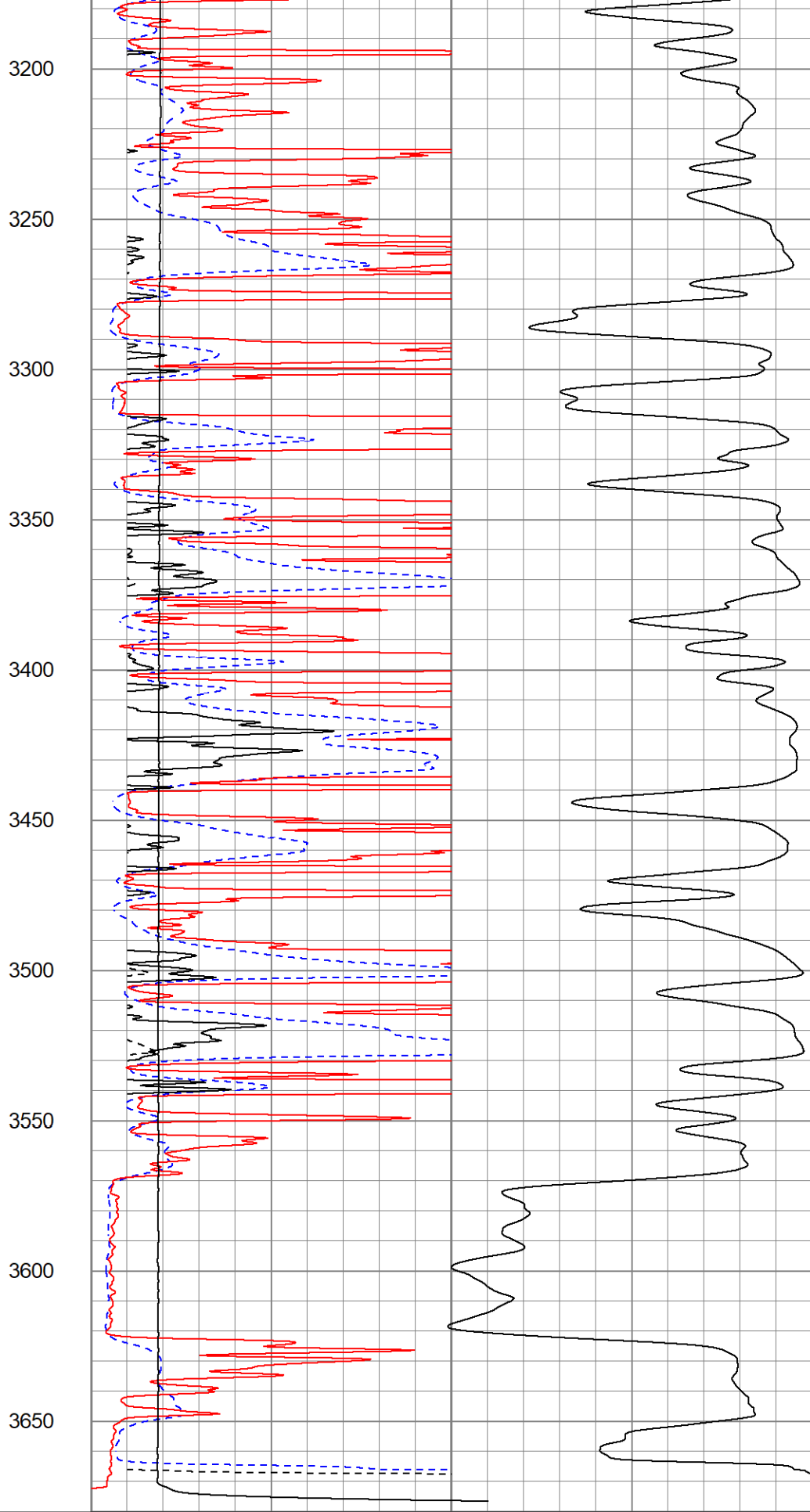
2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600







0	GR (GAPI)	150
-100	SP (mV)	100



1000	CILD (mmho/m)	0
10000	LTEN (lb)	0

0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50

50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

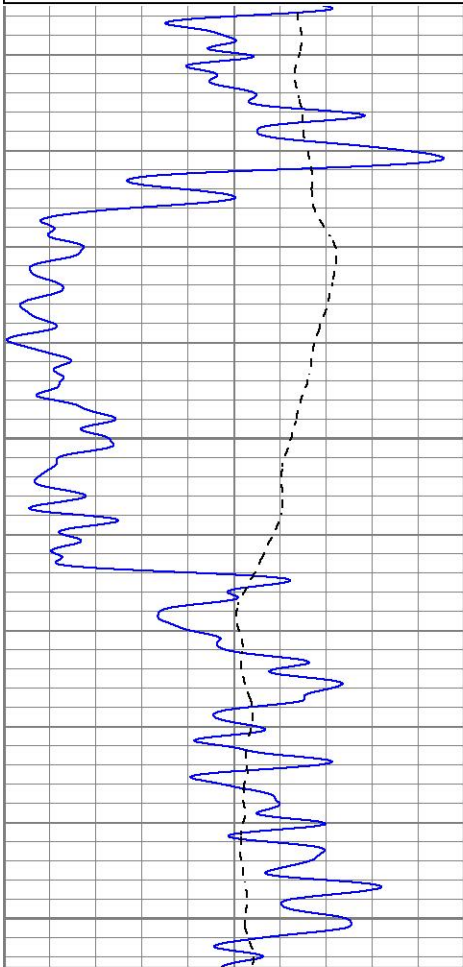


MAIN PASS

Database File jofhoffman_dinkelb#3oh.db
Dataset Pathname pass3.1DIL1
Presentation Format kdil
Dataset Creation Mon Jun 03 13:19:55 2024
Charted by Depth in Feet scaled 1:240

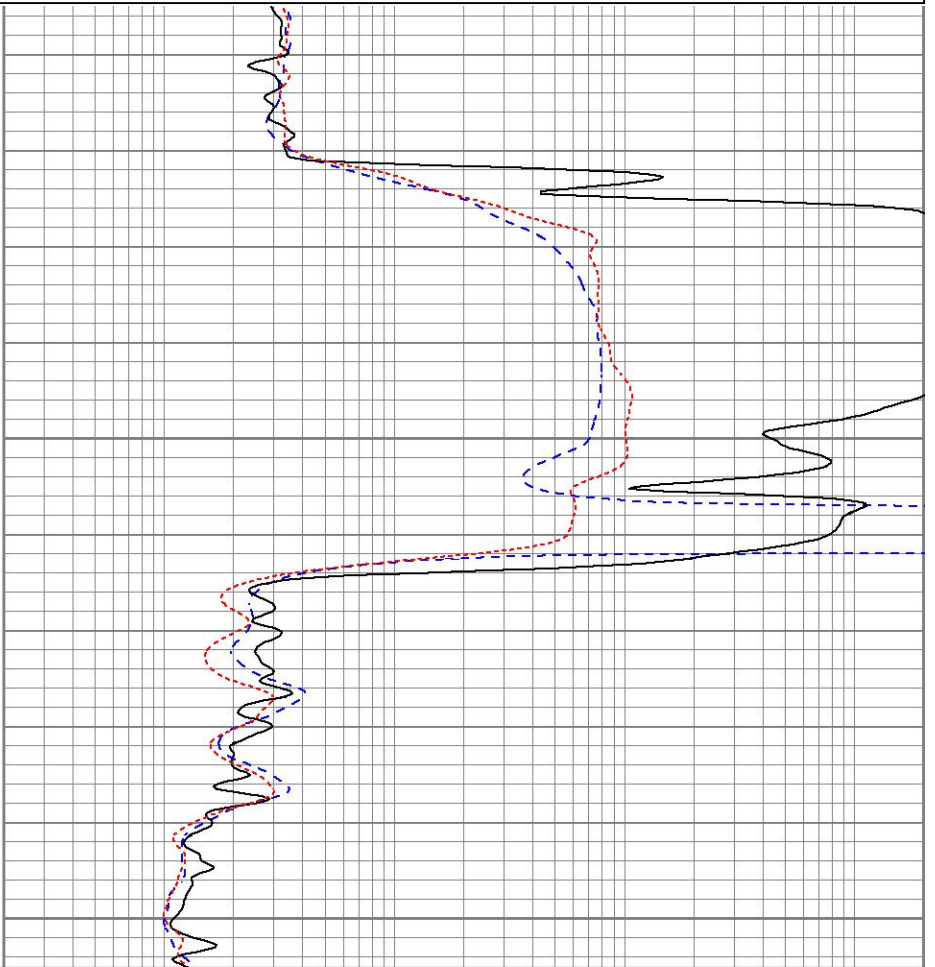
0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



1250

1300



0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

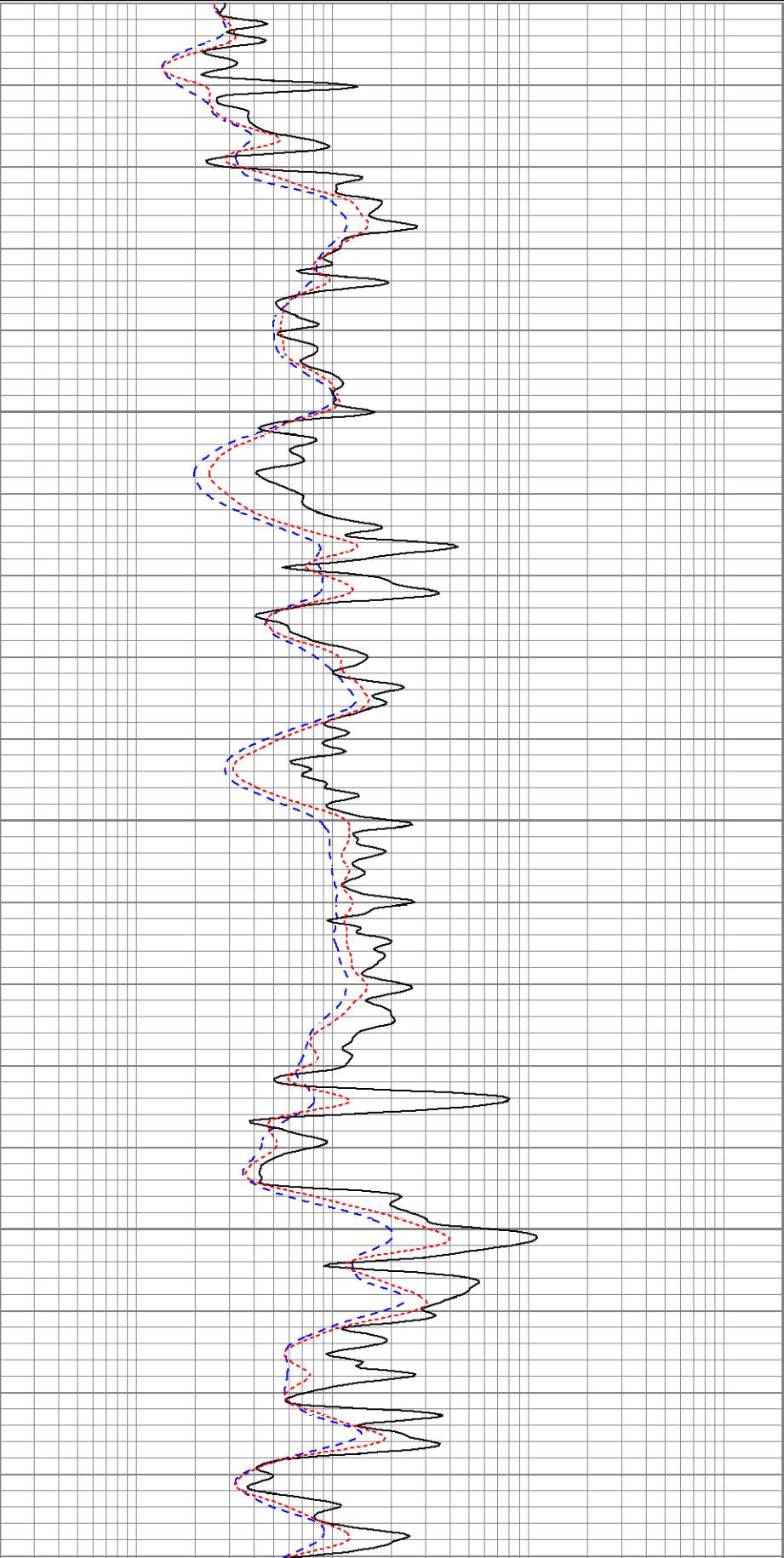
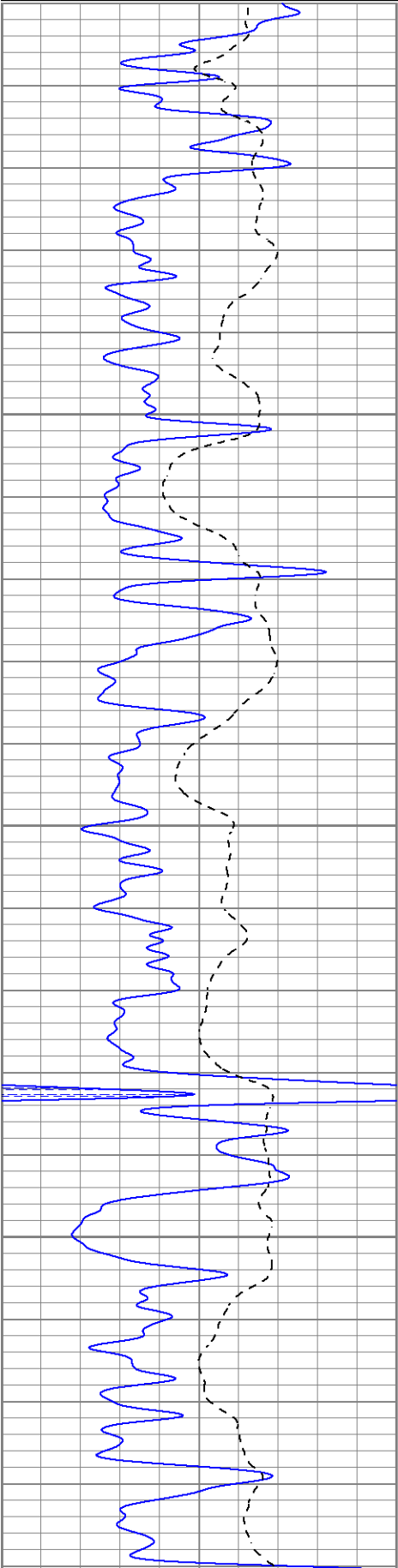


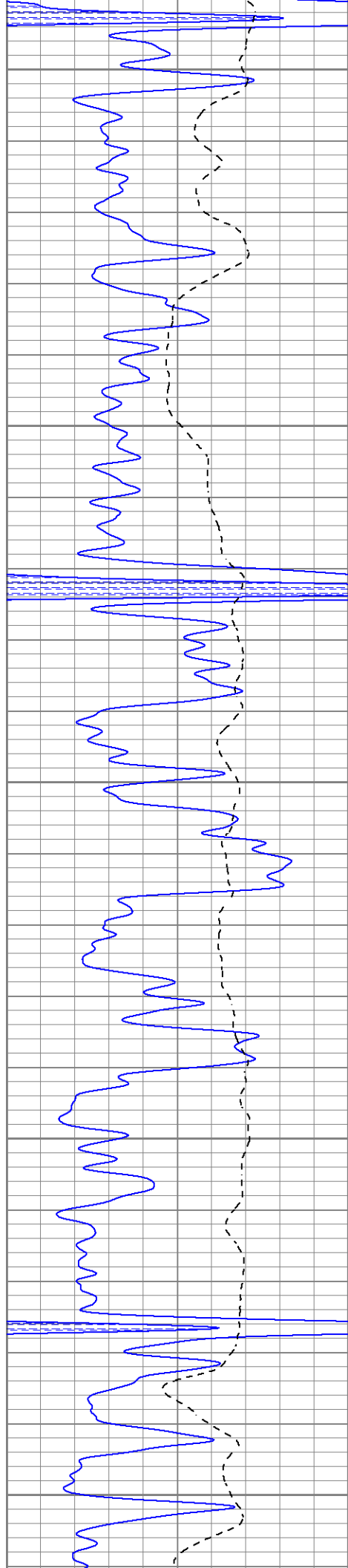
MAIN PASS

Database File jofhoffman_dinkelb#3oh.db
Dataset Pathname pass3.1DIL1

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000





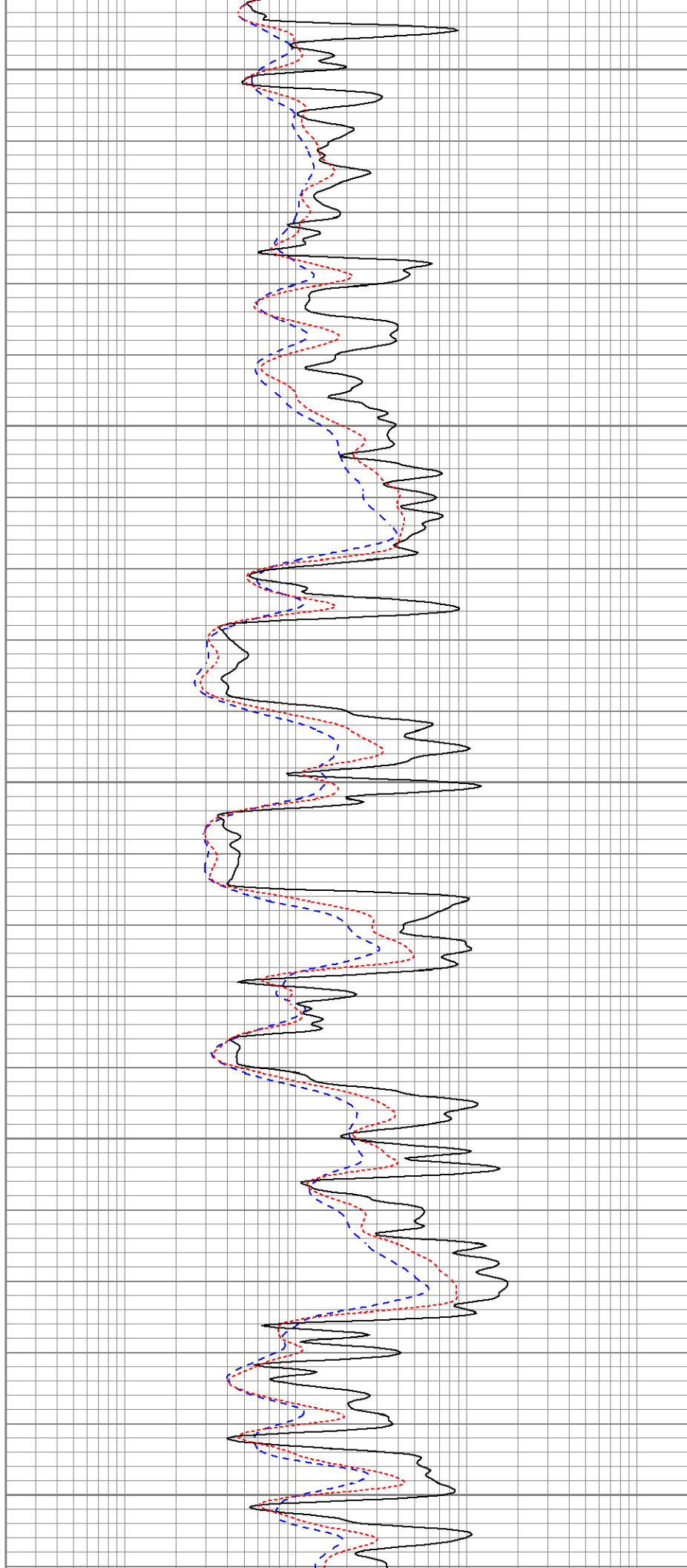
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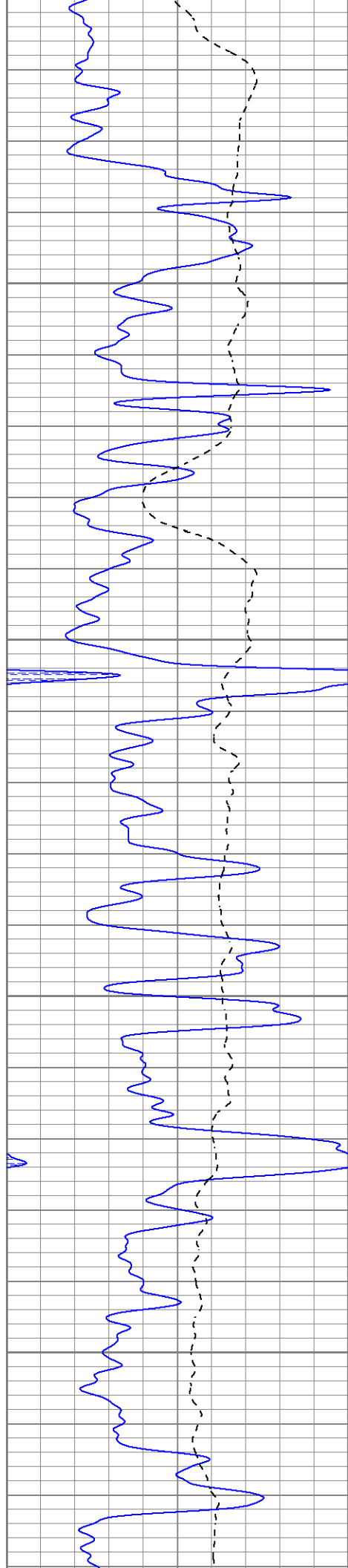
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3300

3350

3400



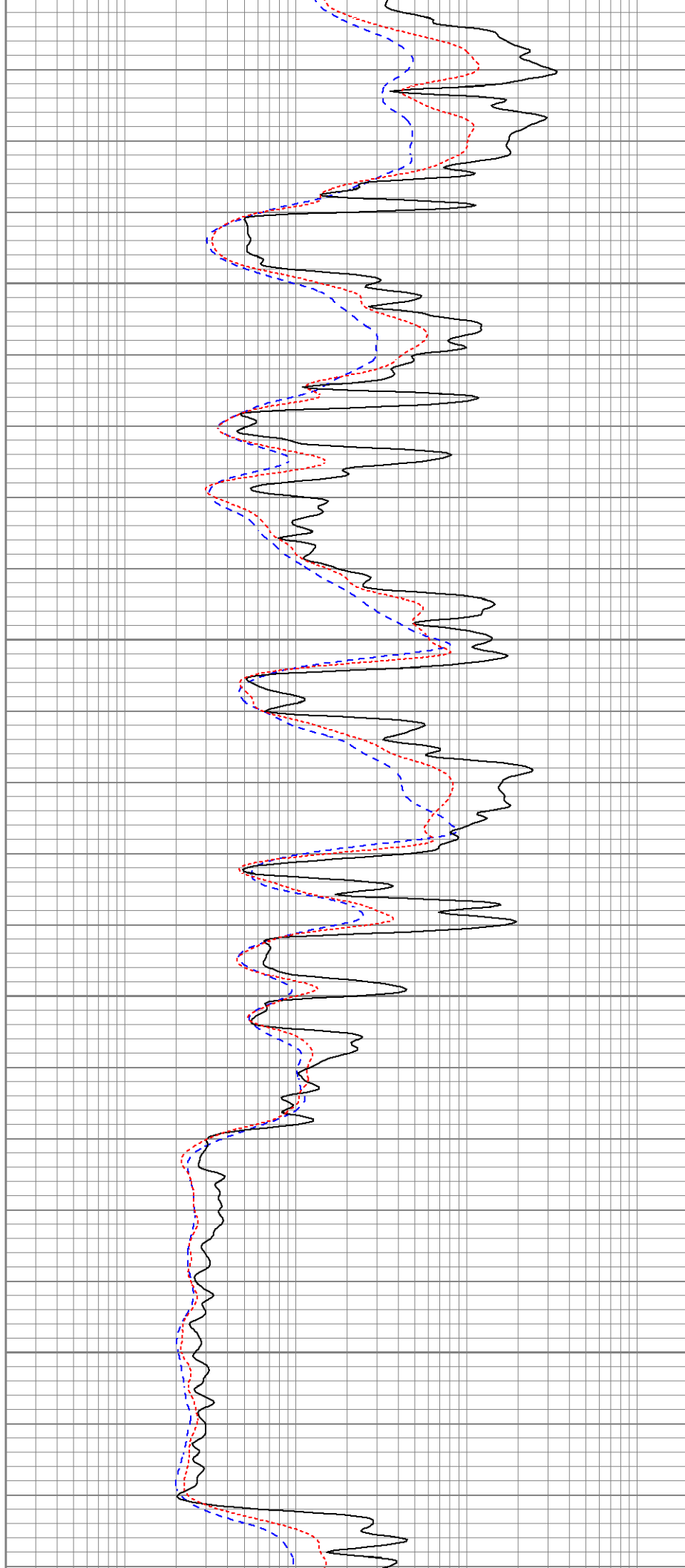


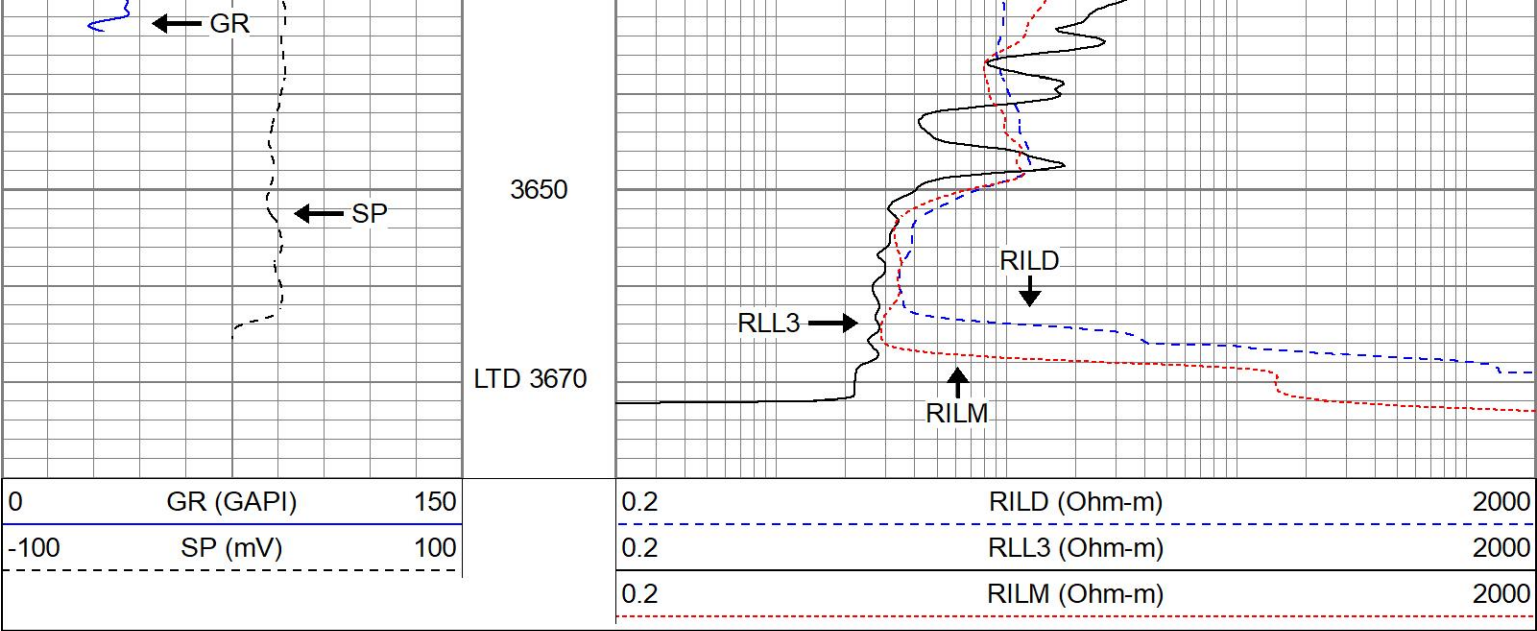
3450

3500

3550

3600

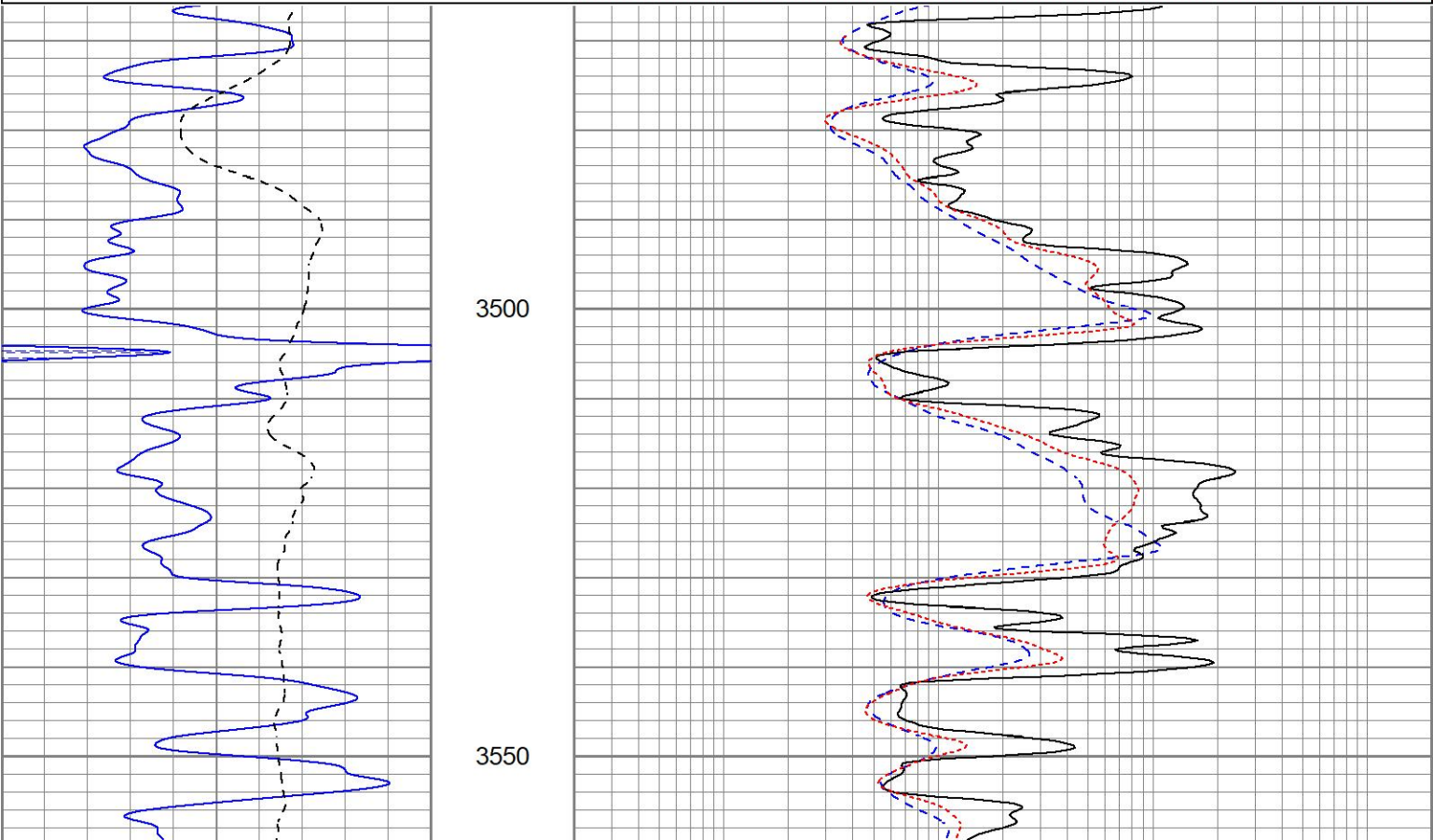


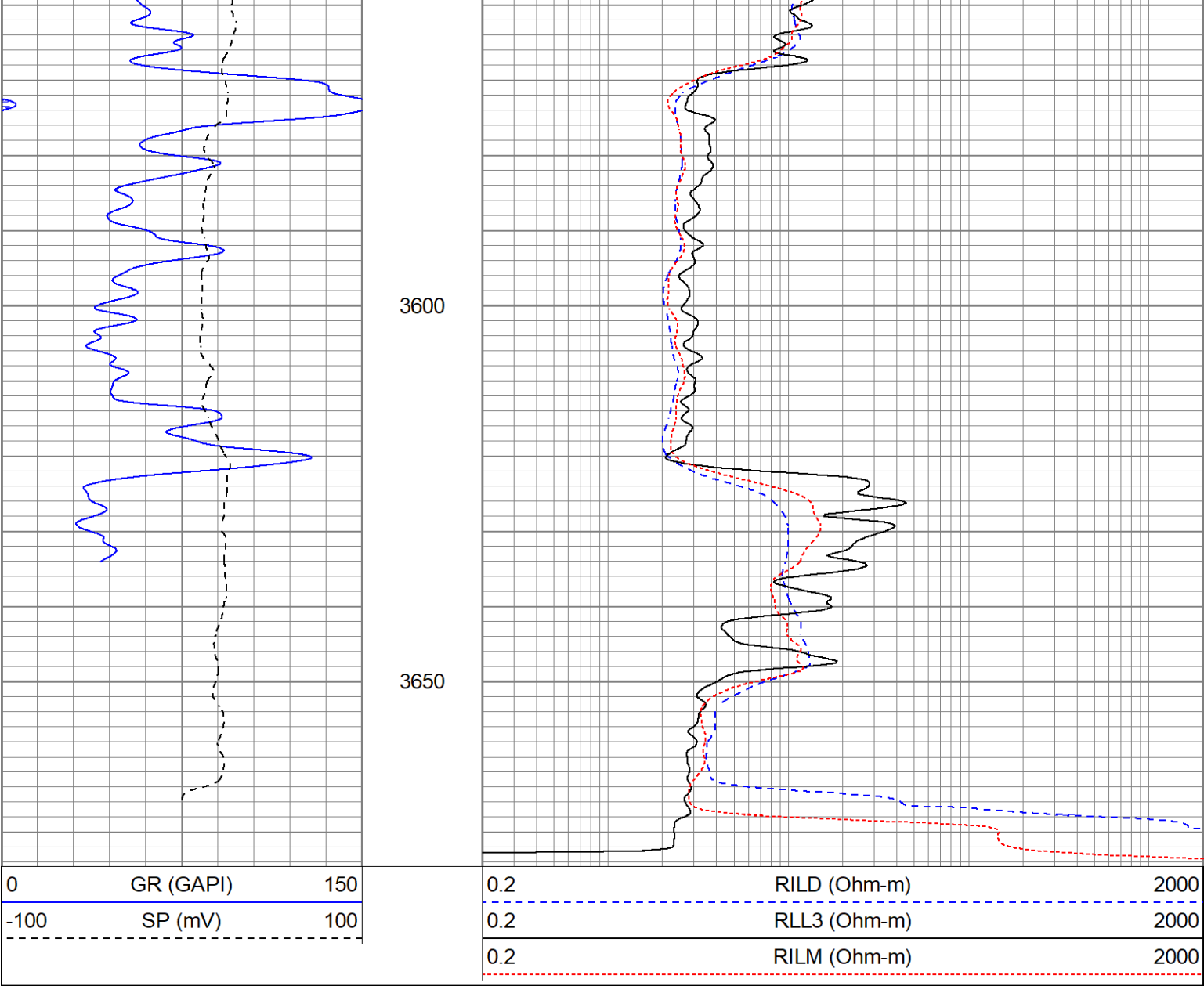


REPEAT SECTION

Database File	jofhoffman_dinkelb#3oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Mon Jun 03 13:07:24 2024
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000





Calibration Report								
Database File	jofhoffman_dinkelb#3oh.db							
Dataset Pathname	pass2.1							
Dataset Creation	Mon Jun 03 13:07:24 2024							
Dual Induction Calibration Report								
Serial-Model:			1842-ADM					
Surface Cal Performed:			Mon Sep 20 22:00:42 2021					
Downhole Cal Performed:			Thu Sep 14 13:06:48 2023					
After Survey Verification Performed:			Thu Sep 14 13:02:29 2023					
Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration								
Internal:	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Deep	-0.210	349.810	mmho/m	-0.343	349.810	mmho/m	1.000	-0.133
Medium	6.952	396.760	mmho/m	-0.226	399.745	mmho/m	1.026	-7.360
Shallow	2.495	0.026	V	500.000	2.000	Ohm-m	201.711	-3.319

After Survey Verification								
Internal:	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	32.030	5.643	mmho/m	1.000	-0.133
Medium	0.000	0.000	mmho/m	6.952	396.760	mmho/m	1.026	-7.360
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Admyr Lithodensity Calibration Report

Serial-Model:	1C-C
Source:	Blue2
Master Calibration Performed:	Tue Aug 30 10:20:37 2022

Master Calibration						
	Density			Far Detector		
					Near Detector	
Magnesium	1.670	g/cc		6362.49	3546.71	cps
Aluminium	2.640	g/cc		1733.54	2362.69	cps
Aluminium+Sleeve	2.617	g/cc		1657.01	2197.69	cps
Spine Angle = 72.65				Density/Spine Ratio = 0.712		
	PE			NLITH		
					NHARD	
Magnesium	2.000	barn		2520.00	1620.00	cps
Aluminium	3.000	barn		1926.00	1699.00	cps
Aluminium+Sleeve	5.000	barn		915.00	1230.00	cps
M = 0.370				B = -0.079	R = 0.999	
	Size			Reading		
Small Ring	8.00	in		8.61	V	
Large Ring	14.30	in		12.40	V	

Neutron Calibration Report

Serial Number:	AD5139	
Tool Model:	ADMY5139	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithMC
Tool Model:	WMC
Performed:	Fri Apr 19 12:15:04 2019

		Reference		Reading	
	Low Reference:	0.00	degF	0.00	degF
	High Reference:	1.00	degF	1.00	degF
	Gain:	1.00			
	Offset:	0.00			
	Delta Spacing	1			

Inclinometer Calibration Report

Performed:	Wed May 5 19:20:48 2021				
	Low Read.	High Read.		Low Ref.	High Ref.
X Accelerometer	205.00	1843.00		-1.00	1.00 gee
Y Accelerometer	205.00	1843.00		-1.00	1.00 gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Sat Apr 6 22:30:37 2024	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps