



DUAL INDUCTION LOG

Company	BEREXCO LLC.	Company	BEREXCO LLC.
Well	CHRISLER-ELLIOTT#21	Well	CHRISLER-ELLIOTT#21
Field	BOWLBY	Field	BOWLBY
County	ELLIS	County	ELLIS
State	KS	State	KS
Location:	API # : 15 051 27062	Other Services	CDNL ML
Permanent Datum	SEC 1 TWP 11S RGE 16W	Elevation	
Log Measured From	715' FSL & 1465' FEL	K.B. 1937	
Drilling Measured From	KB 10' AGL	D.F. 1935	
	KB	G.L. 1927	
Date	11/14/22		
Run Number	One		
Depth Driller	3550		
Depth Logger	3550		
Bottom Logged Interval	3548		
Top Log Interval	00		
Casing Driller	8 5/8" @ 262		
Casing Logger	262		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/55		
pH / Fluid Loss	9.0/9.2		
Source of Sample	Pit		
Rm @ Meas. Temp	.6@70degf		
Rmf @ Meas. Temp	.45@70degf		
Rmc @ Meas. Temp	.72@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.44@95degf		
Time Circulation Stopped	1:00 P.M		
Time Logger on Bottom	4:15 P.M		
Maximum Recorded Temperature	95degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	BRYAN BYNOG		

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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

FAIRPORT WEST TO 175TH RD 5 NORTH,
WEST INTO.

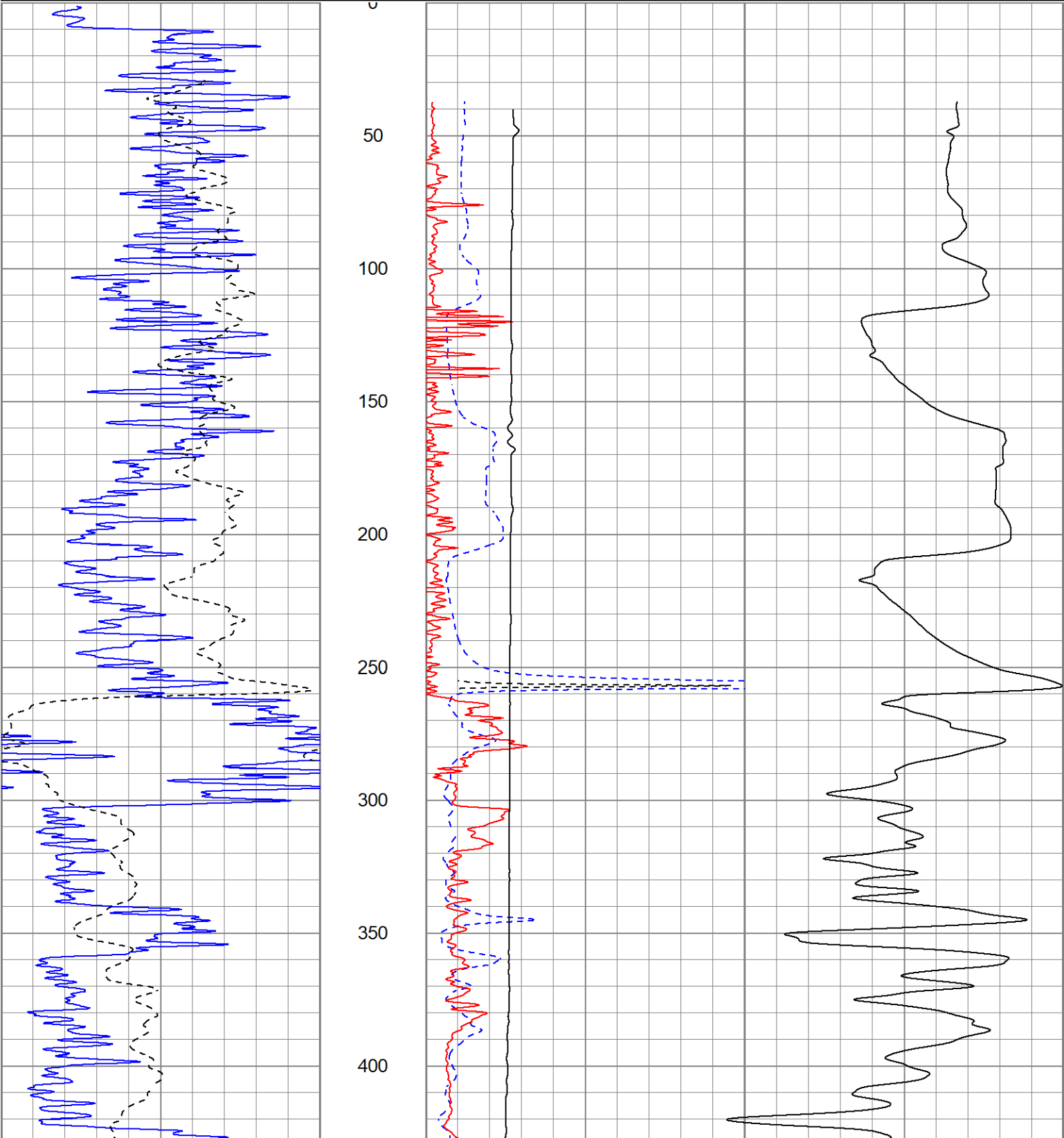
Thank You for using Gemini Wireline LLC
785-625-1182

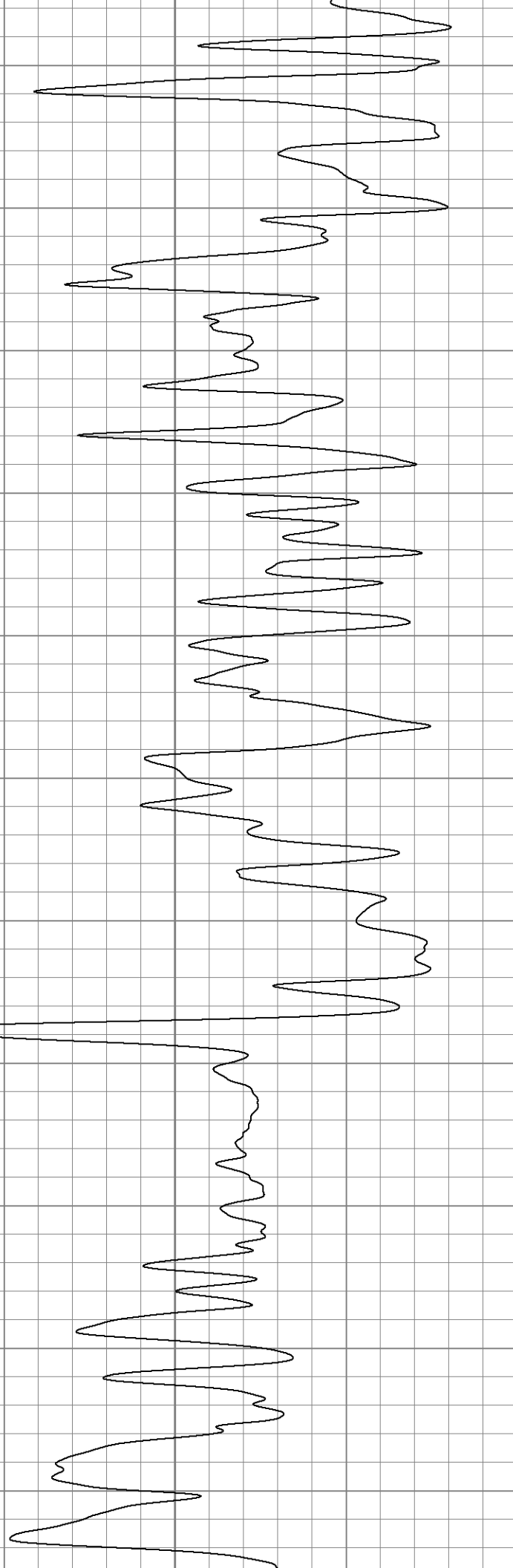
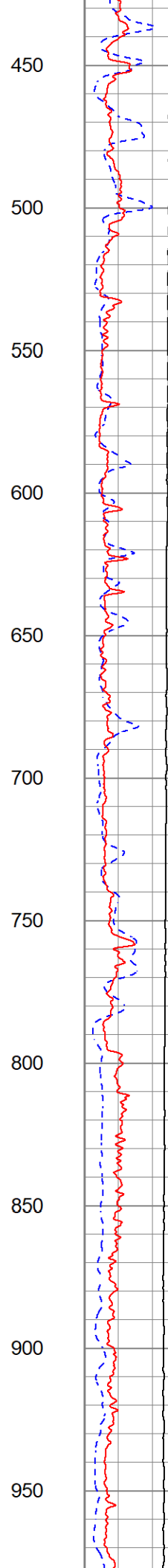
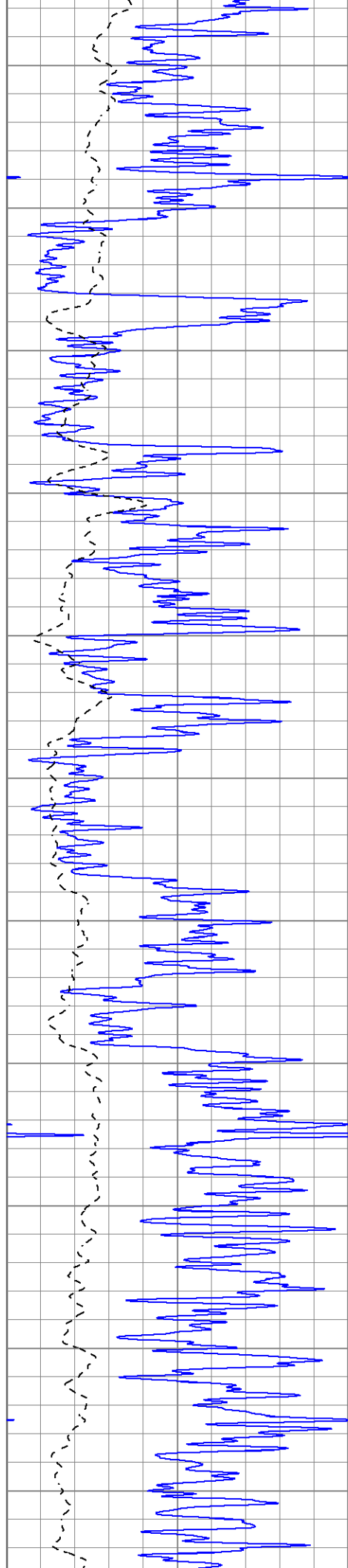


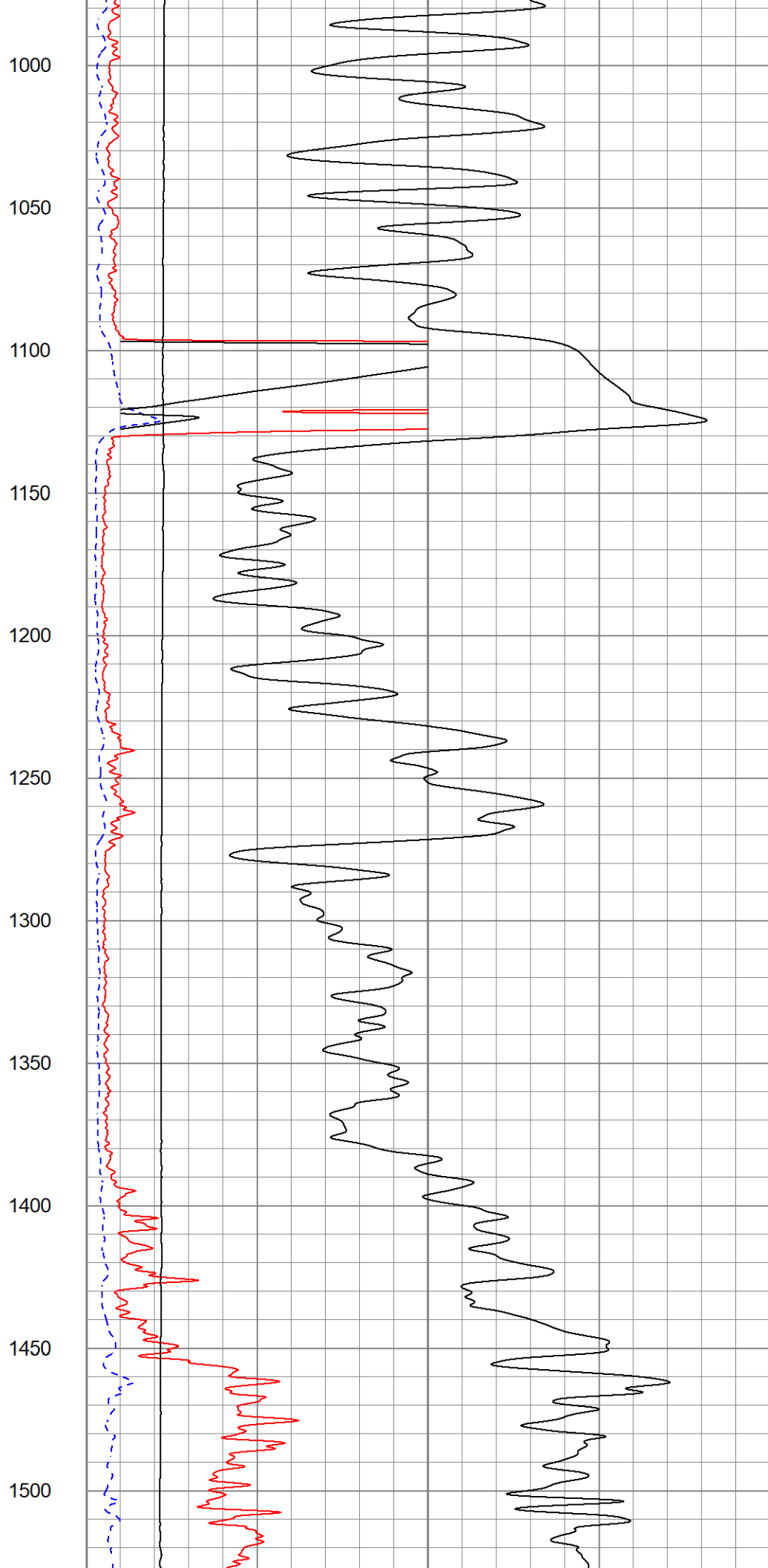
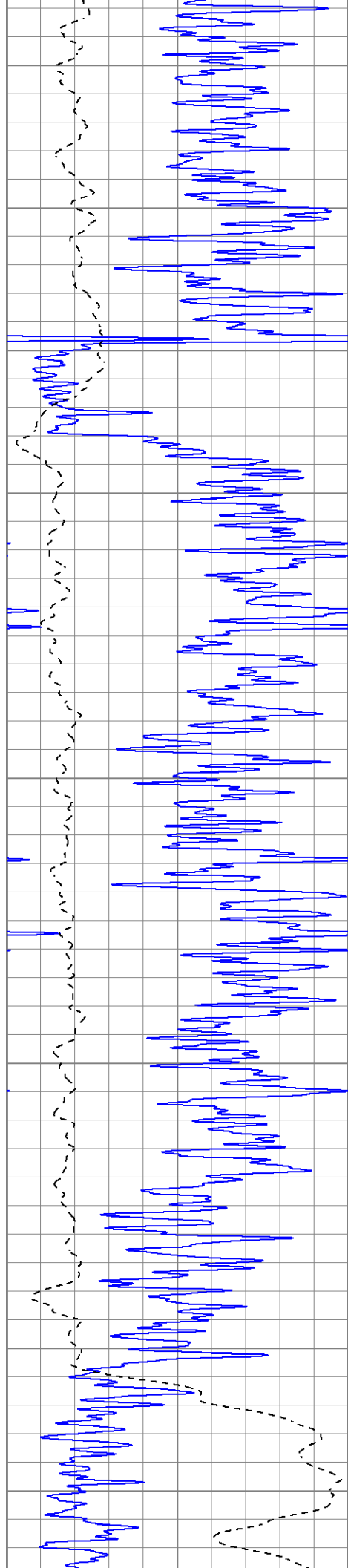
MAIN PASS

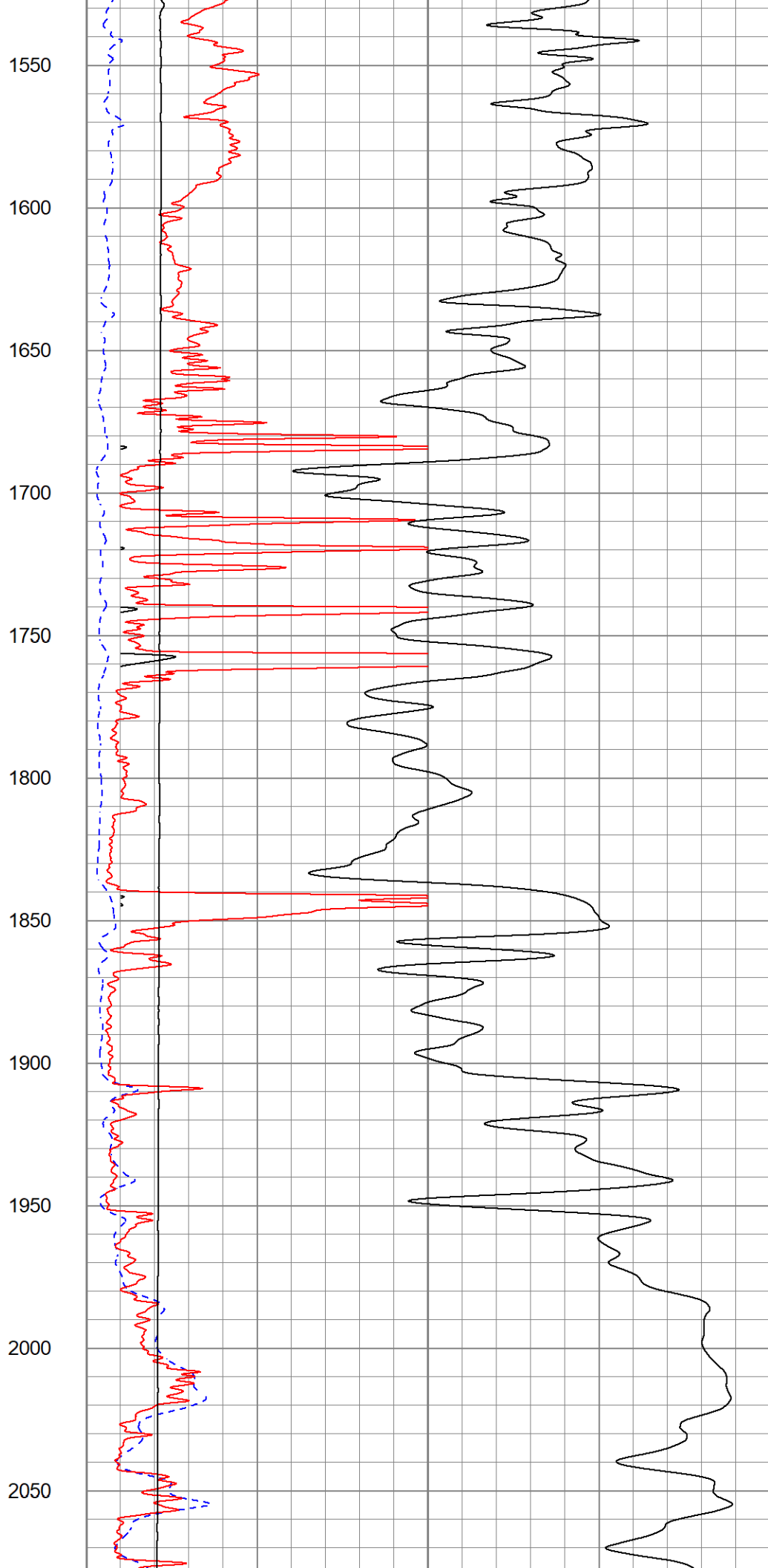
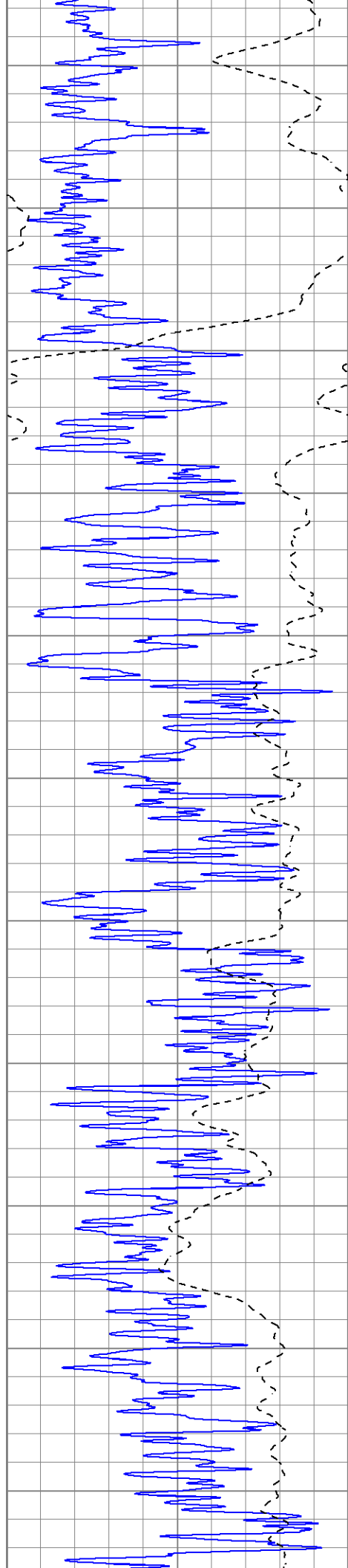
Database File	berexcochrislerelliott#21oh.db
Dataset Pathname	pass5.1
Presentation Format	kdillinn
Dataset Creation	Mon Nov 14 18:21:42 2022
Charted by	Depth in Feet scaled 1:600

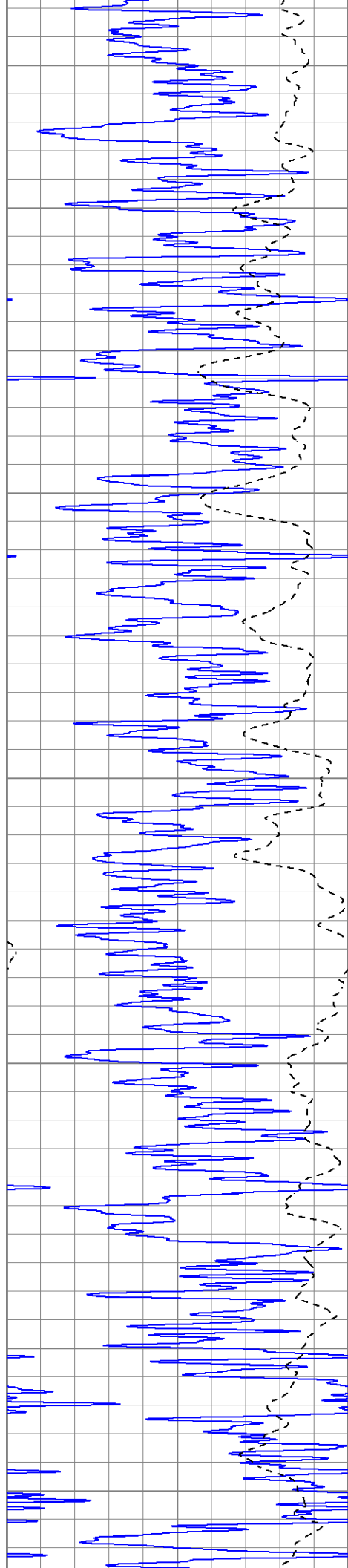
0	GR (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	10000	LTEN (lb)	0
			0	RILD (Ohm-m)	50
			0	RLL3 (Ohm-m)	50
			50	RILD x 10 (Ohm-m)	500
			50	RLL3 x 10 (Ohm-m)	500











2100

2150

2200

2250

2300

2350

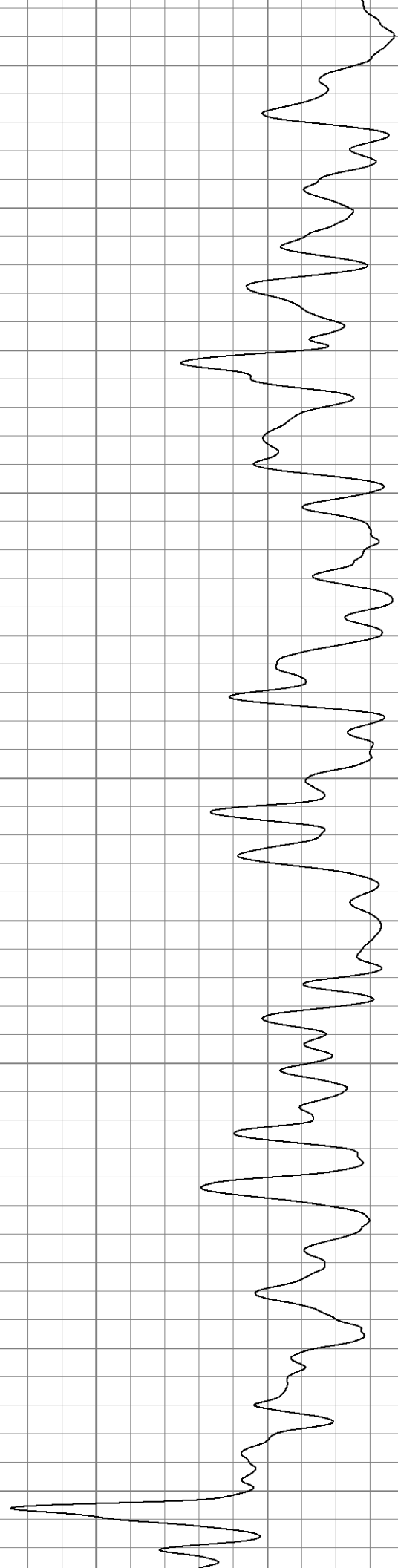
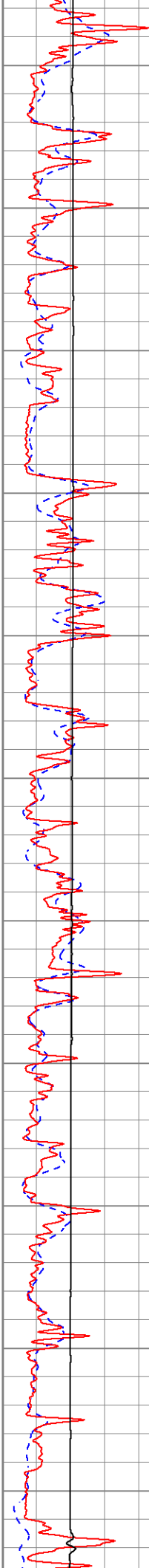
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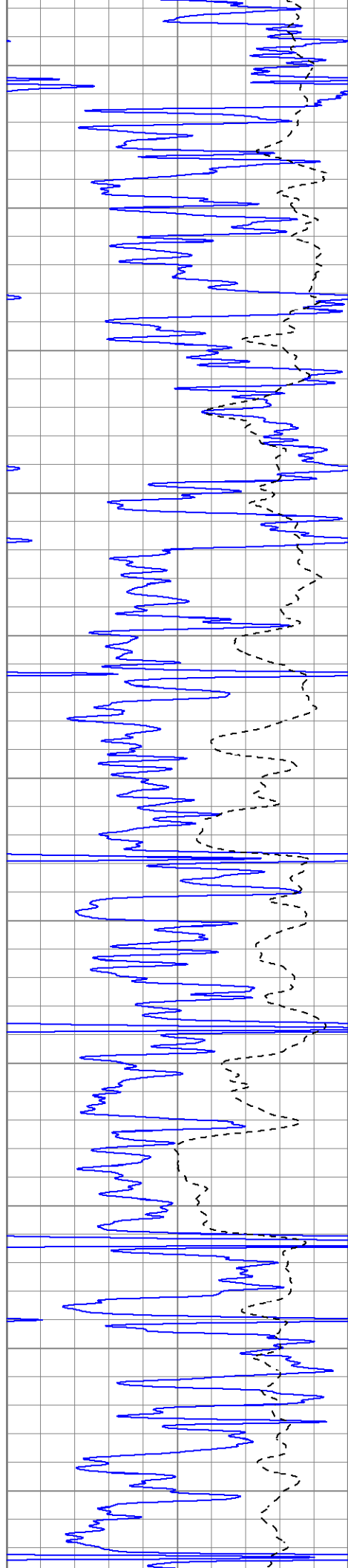
2450

2500

2550

2600





2650

2700

2750

2800

2850

2900

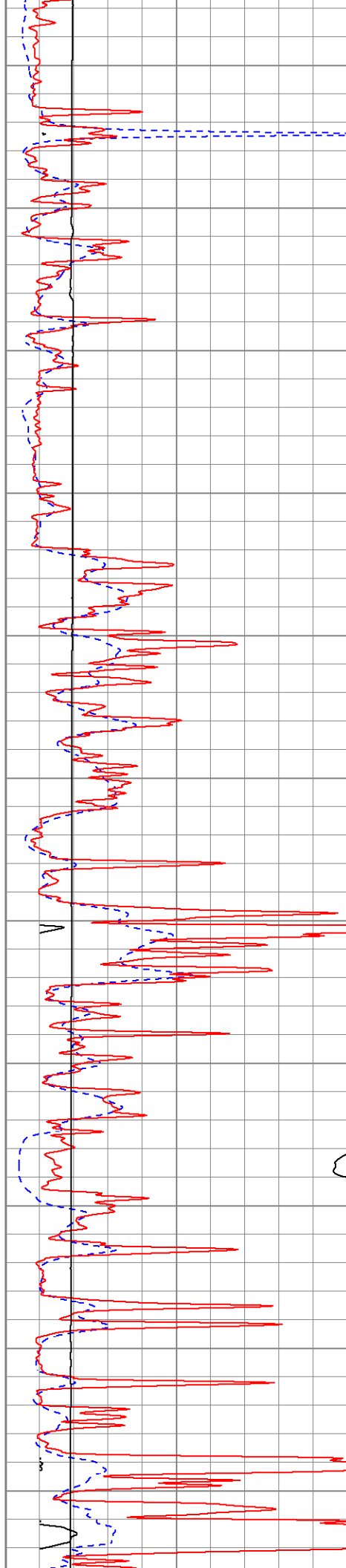
2950

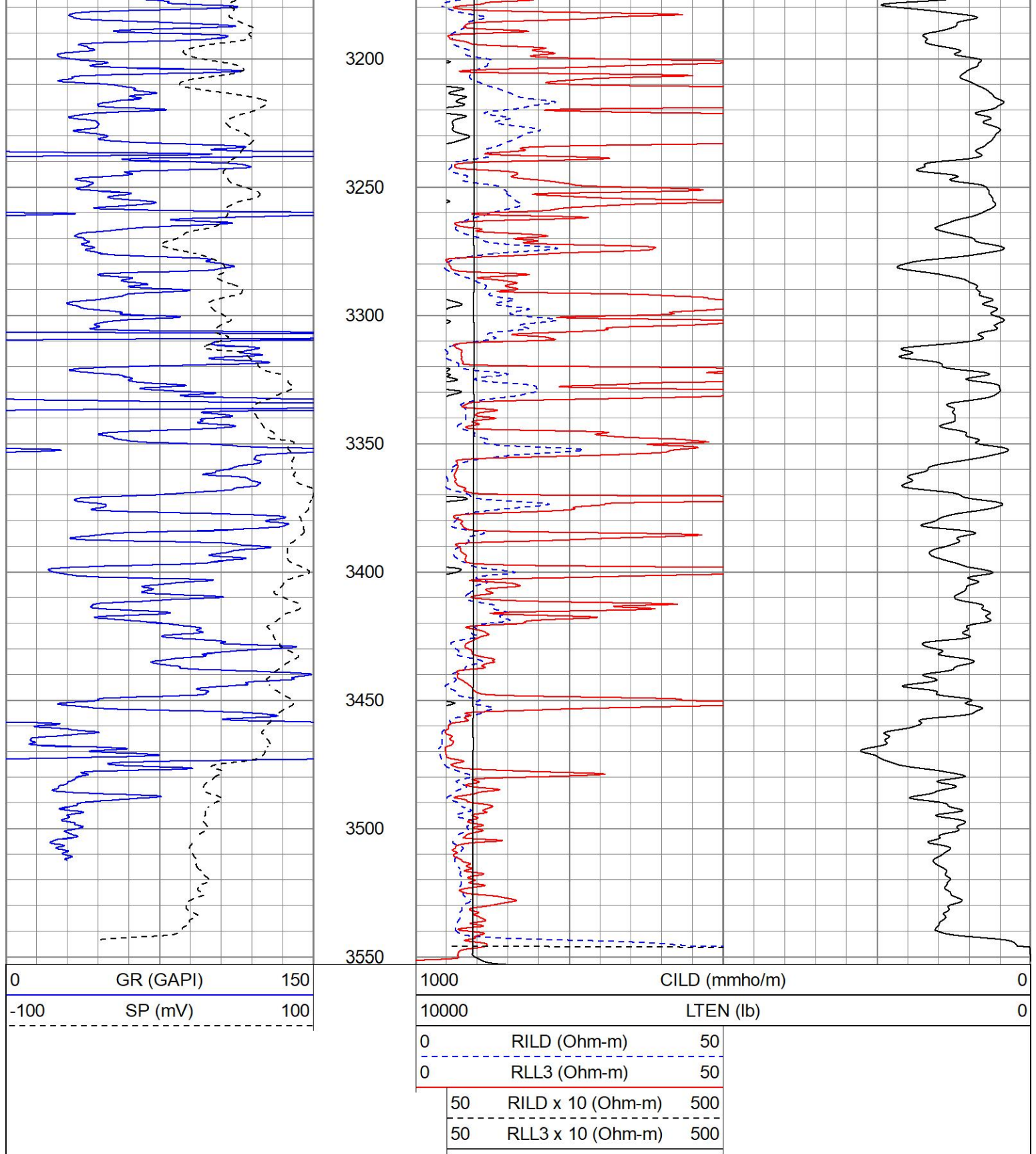
3000

3050

3100

3150





MAIN PASS

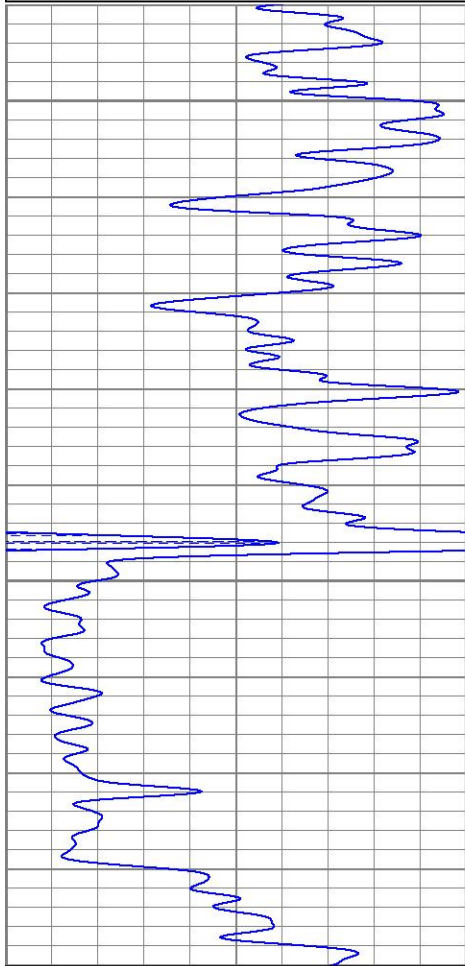
Database File berexcochrilerelliott#21oh.db
 Dataset Pathname pass5.1
 Presentation Format kdil
 Dataset Creation Mon Nov 14 18:21:42 2022

Charted by

Depth in Feet scaled 1:240

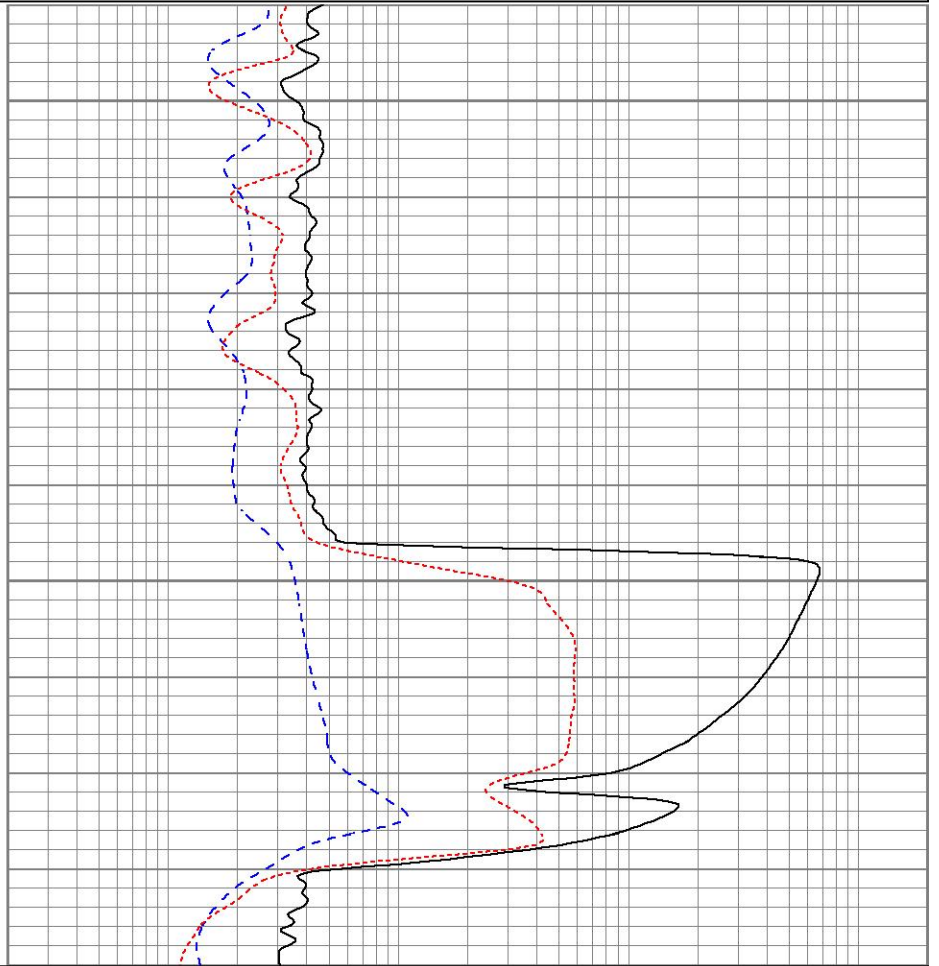
0	GR (GAPI)	150
-100	SP (mV)	100

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



1050

1100



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

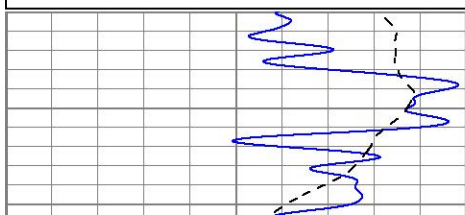


MAIN PASS

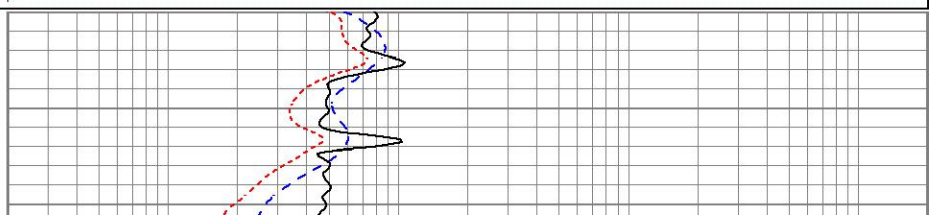
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 Dataset Pathname pass5.1
 Presentation Format kdil
 Dataset Creation Mon Nov 14 18:21:42 2022
 Charted by Depth in Feet scaled 1:240

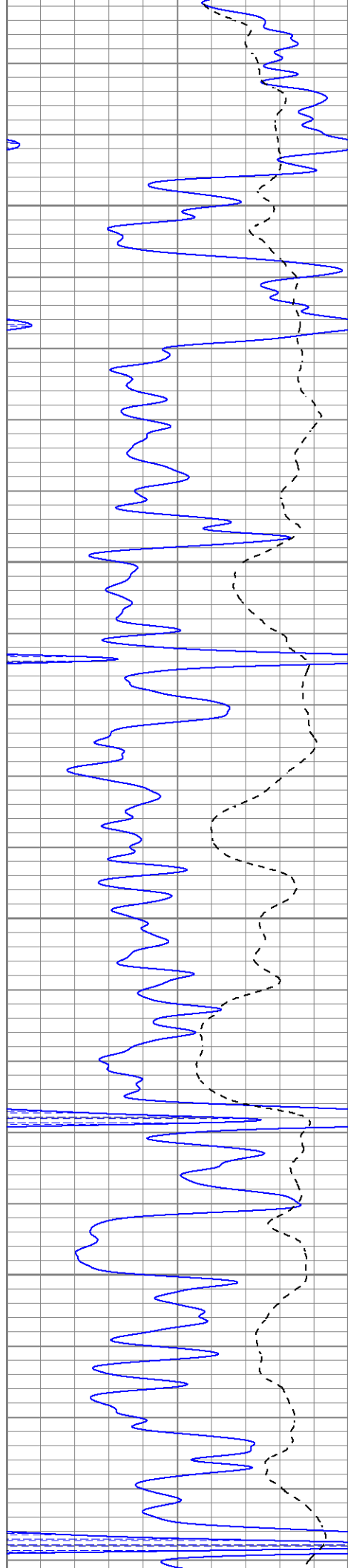
0	GR (GAPI)	150
-100	SP (mV)	100

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



2750



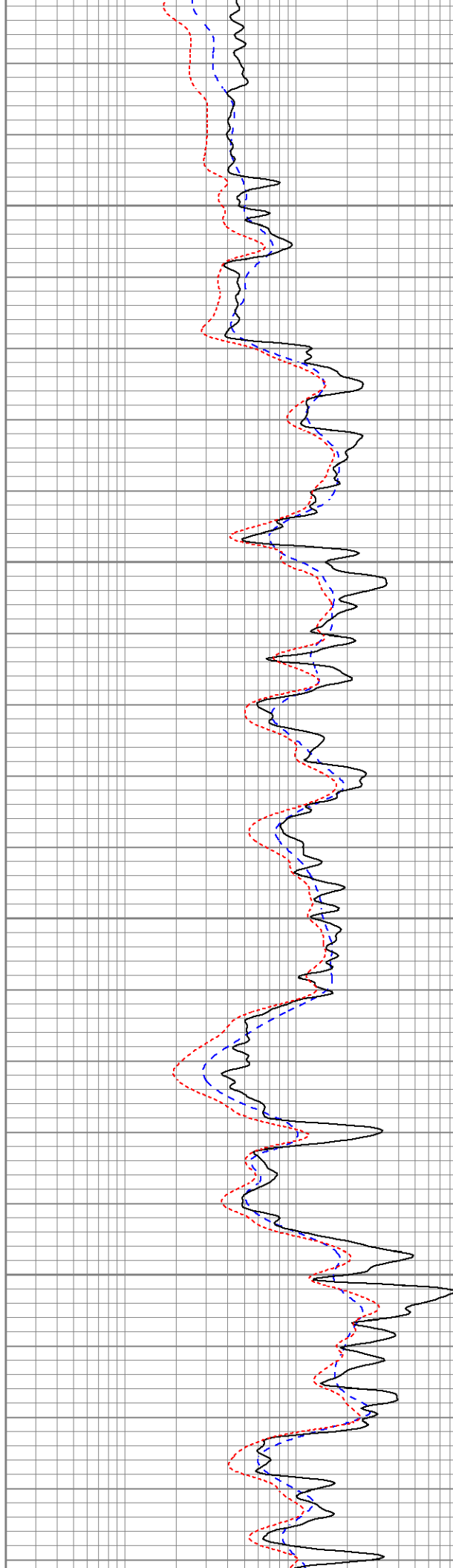


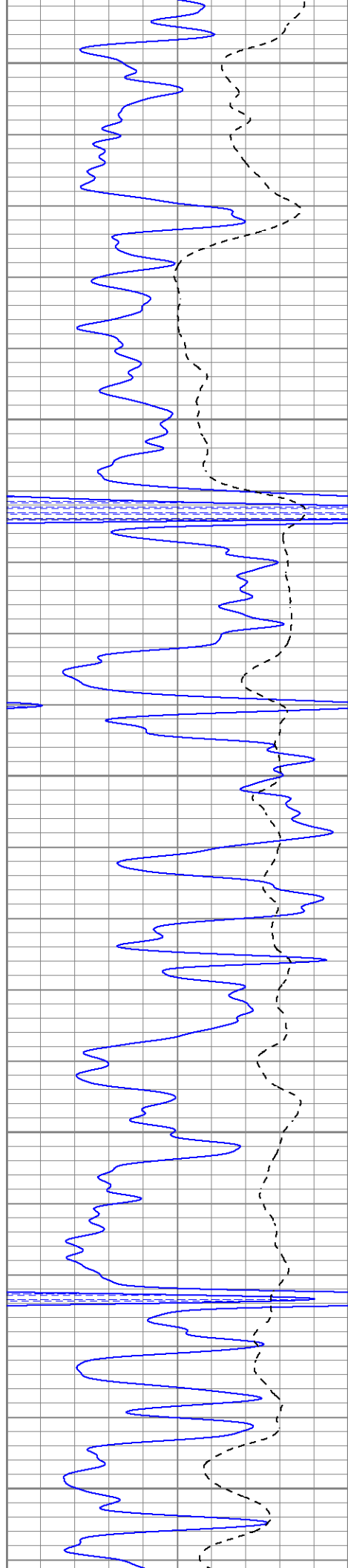
2800

2850

2900

2950





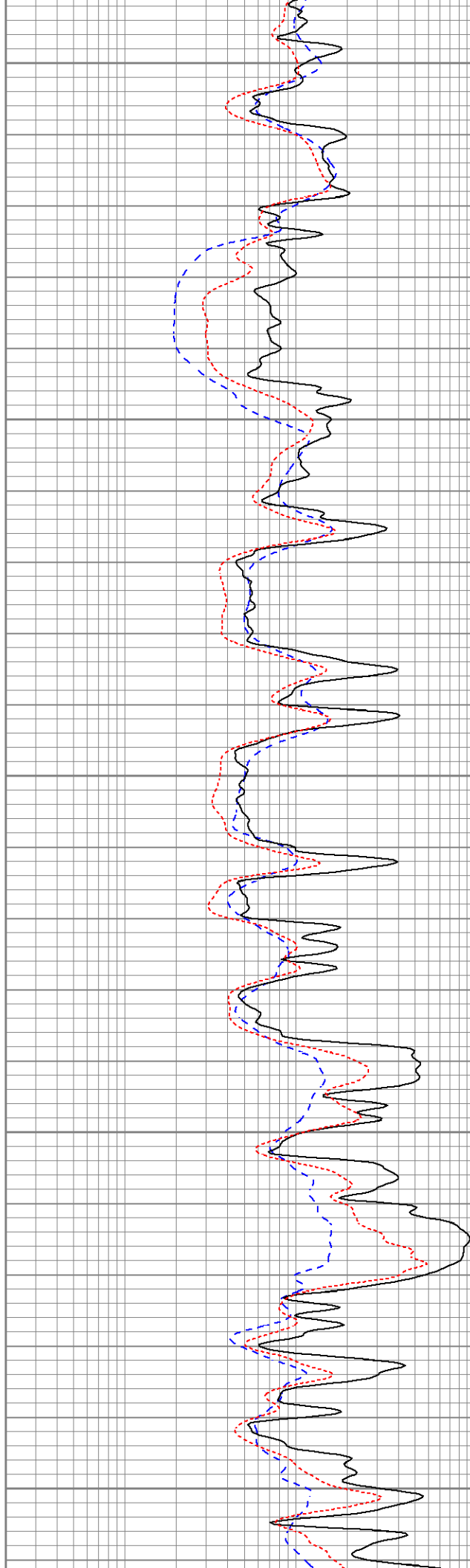
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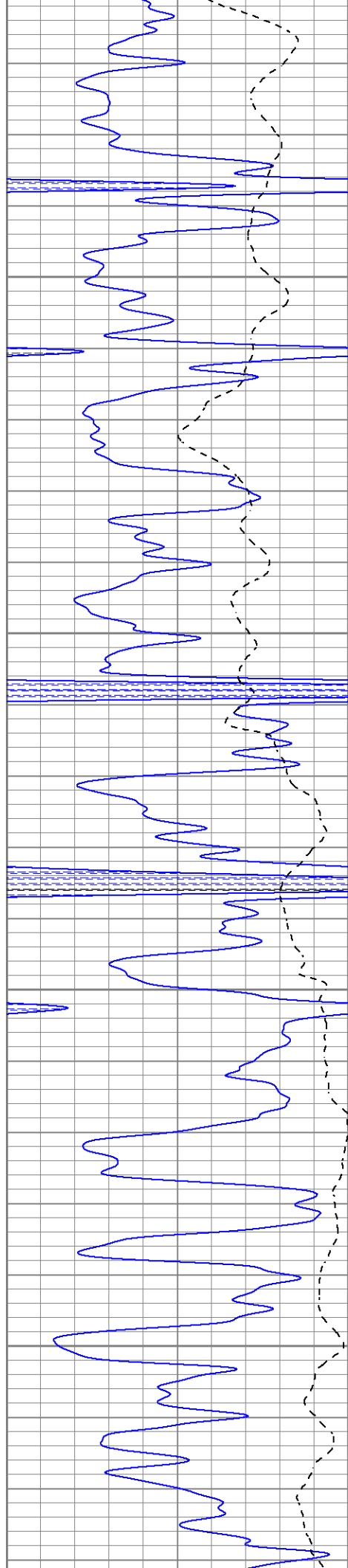
3050

3100

3150

3200



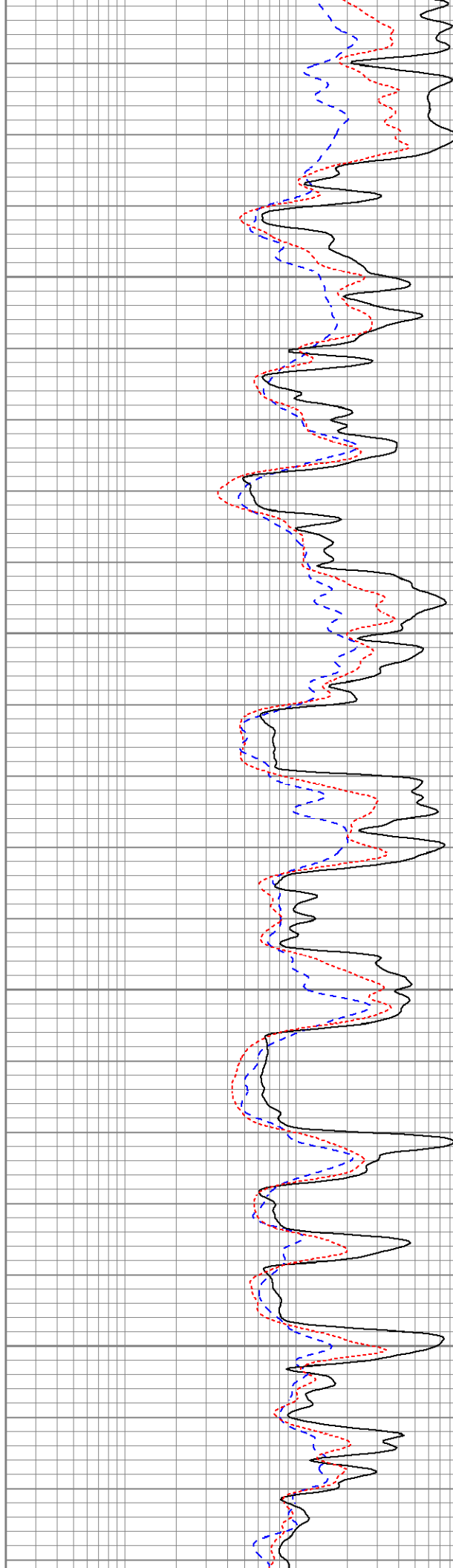


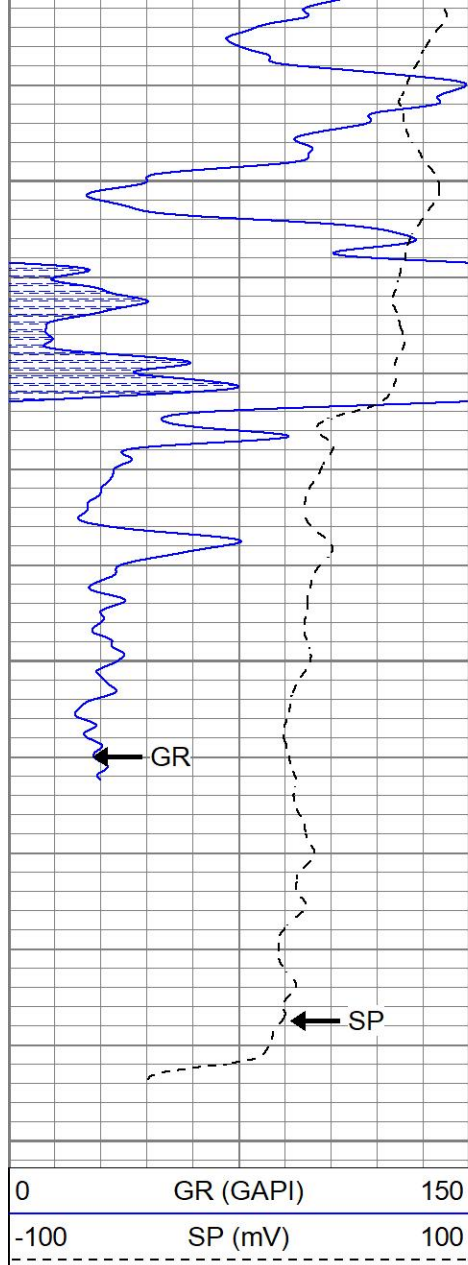
3250

3300

3350

3400

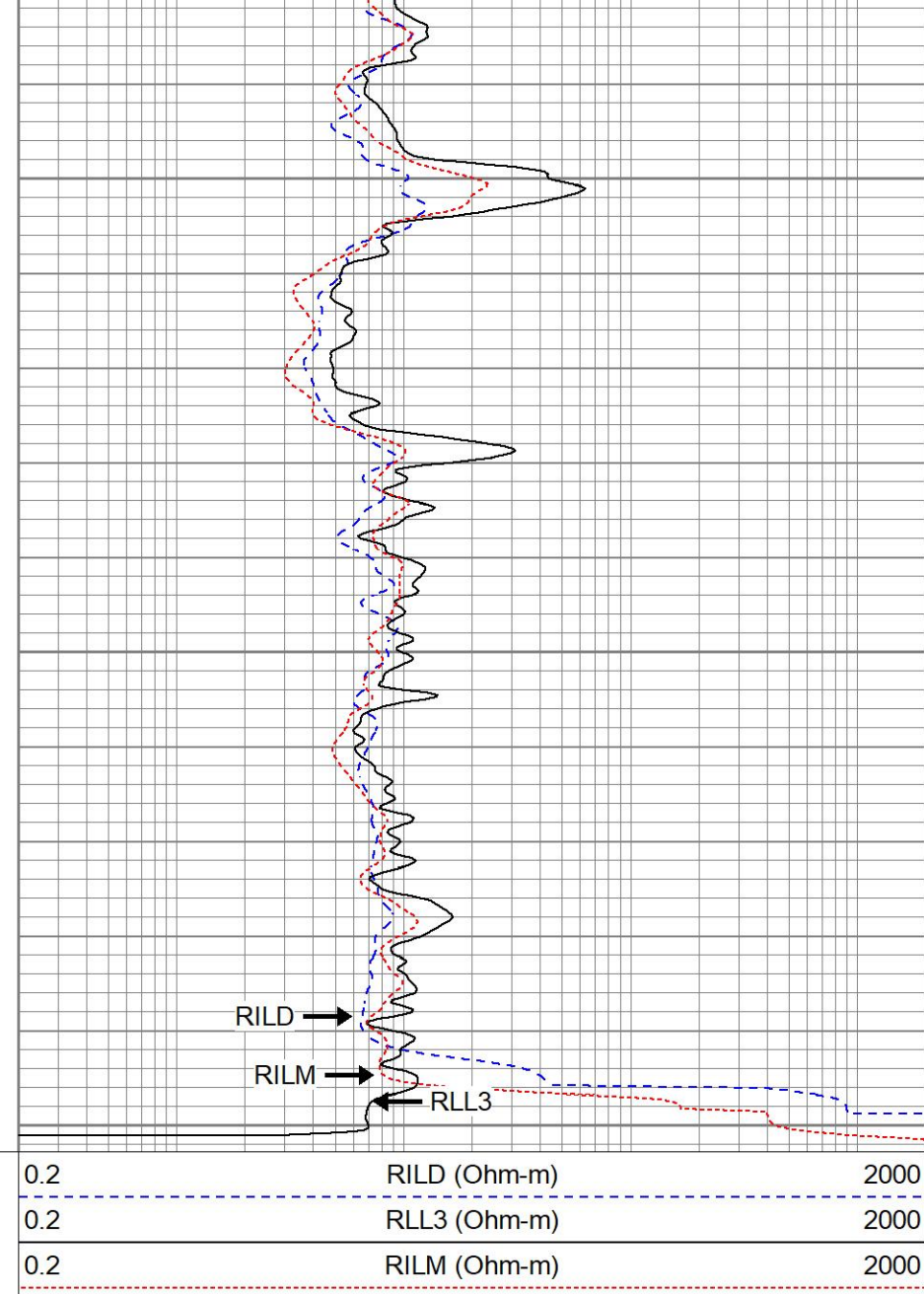




3450

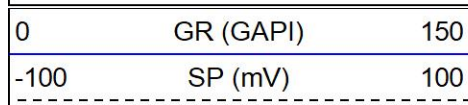
3500

3550

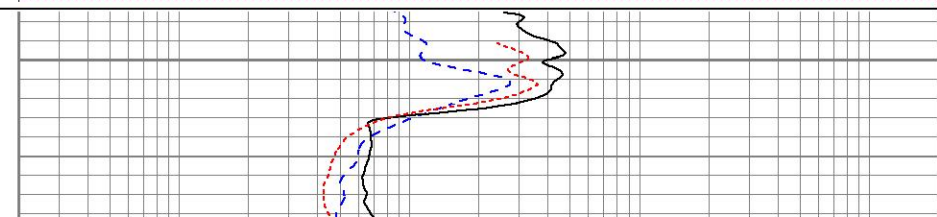
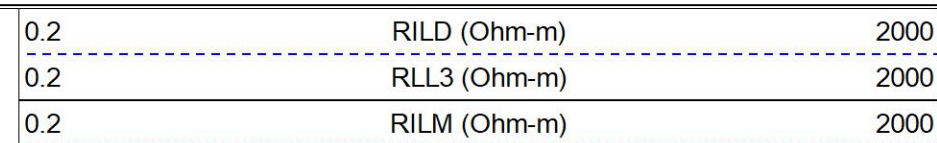
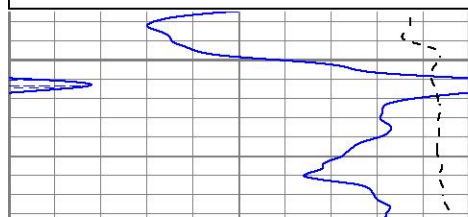


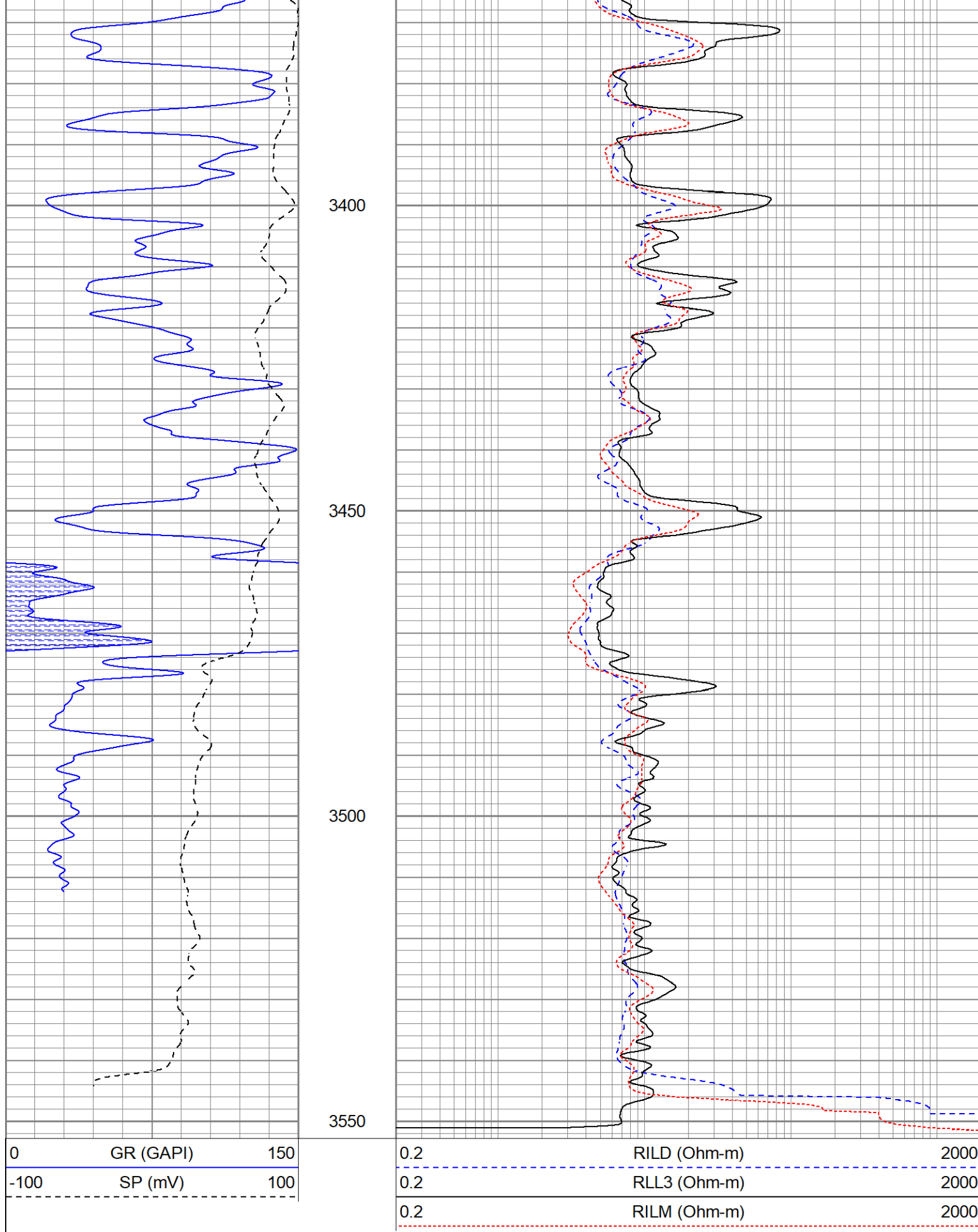
REPEAT SECTION

Database File berexcochrislerelliott#21oh.db
 Dataset Pathname pass2RPDIL
 Presentation Format kdil
 Dataset Creation Mon Nov 14 18:22:54 2022
 Charted by Depth in Feet scaled 1:240



3350





Calibration Report

Database File berexcochrislerelliott#21oh.db
Dataset Pathname pass2RPDIL
Date: 11-10-2011 11:54:00

Dataset Creation Mon Nov 14 18:22:54 2022

Dual Induction Calibration Report								
Serial-Model:			1989-ADM					
Surface Cal Performed:			Tue Feb 4 16:04:10 2020					
Downhole Cal Performed:			Mon Nov 14 17:25:22 2022					
After Survey Verification Performed:			Mon Nov 14 17:25:22 2022					
Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.012	0.665	V	0.000	350.000	mmho/m	516.748	6.134
Medium	-0.013	0.752	V	0.000	400.000	mmho/m	522.482	6.987
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.011	0.668	V	0.000	350.000	mmho/m	515.730	5.704
Medium	-0.015	0.752	V	0.000	550.000	mmho/m	716.653	10.787
Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	34.581	559.841	mmho/m	0.419	351.110	mmho/m	0.668	-22.669
Medium	11.831	390.500	mmho/m	-0.877	400.105	mmho/m	1.059	-13.405
Shallow	2.485	0.032	V	500.000	2.000	Ohm-m	248.003	-4.497
After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	34.581	559.841	mmho/m	0.668	-22.669
Medium	0.000	0.000	mmho/m	11.831	390.500	mmho/m	1.059	-13.405
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	1.900	barn	5031.16		2670.10	cps		
Aluminium	2.400	barn	925.14		1260.20	cps		
Aluminium+Sleeve	5.000	barn	816.33		1216.63	cps		
M = 0.191			B = 0.171		R = 0.787			
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:	Wed Jun 15 11:53:49 2022			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	1.1000	GAPI/cps		