



DUAL INDUCTION LOG

Company	JOHN O. FARMER, INC.		
Well	A. WASINGER #9		
Field	N/A		
County	ELLIS	State	Kansas
Location:	API # : 15 051 27045		Other Services
	890' FSL & 430' FEL		ML CDNL
Permanent Datum	SEC 15 TWP 15S RGE 18W	Elevation	2007
Log Measured From	Ground Level	Elevation	2007
Drilling Measured From	KB 8' AGL	Elevation	K.B. 2015 D.F. 2013 G.L. 2007
Date	09/07/22		
Run Number	One		
Depth Driller	3692		
Depth Logger	3692		
Bottom Logged Interval	3690		
Top Log Interval	00		
Casing Driller	8 5/8"@1172 '		
Casing Logger	1172		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/58		
pH / Fluid Loss	10.0/7.2		
Source of Sample	Pit		
Rm @ Meas. Temp	.8@80degf		
Rmf @ Meas. Temp	.60@80degf		
Rmc @ Meas. Temp	.96@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.61@105degf		
Time Circulation Stopped	1:30 PM		
Time Logger on Bottom	3:00 PM		
Maximum Recorded Temperature	105degf		
Equipment Number	T-605		
Location	Hays, KS.		
Recorded By	GUS PFANENSTIEL		
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

SOUTH OF HAYS TO CHETOLA GOLD EAST TO 260 TH,
NORTH INTO.

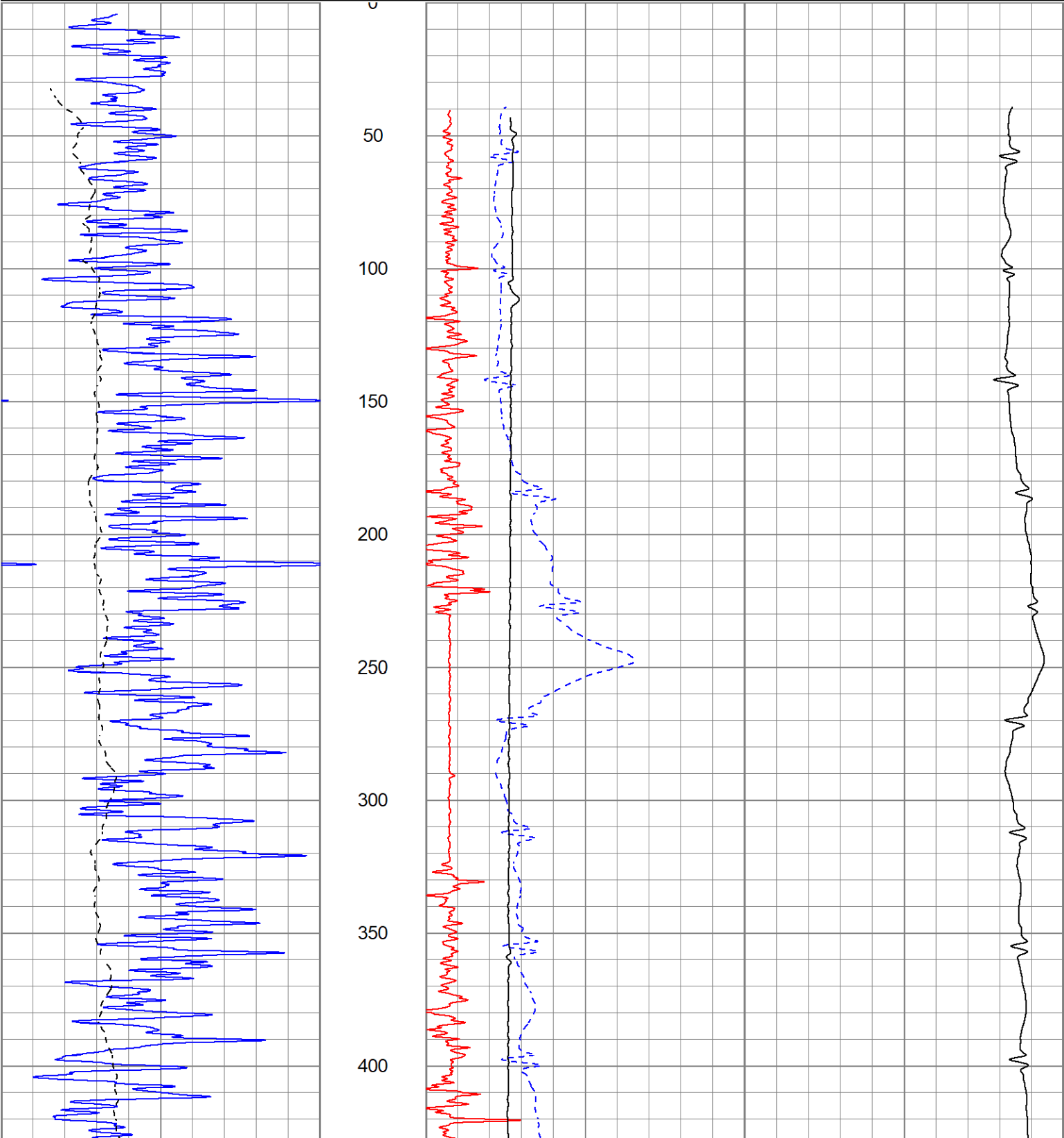
Thanks for using Gemini Wireline LLC
785-625-1182

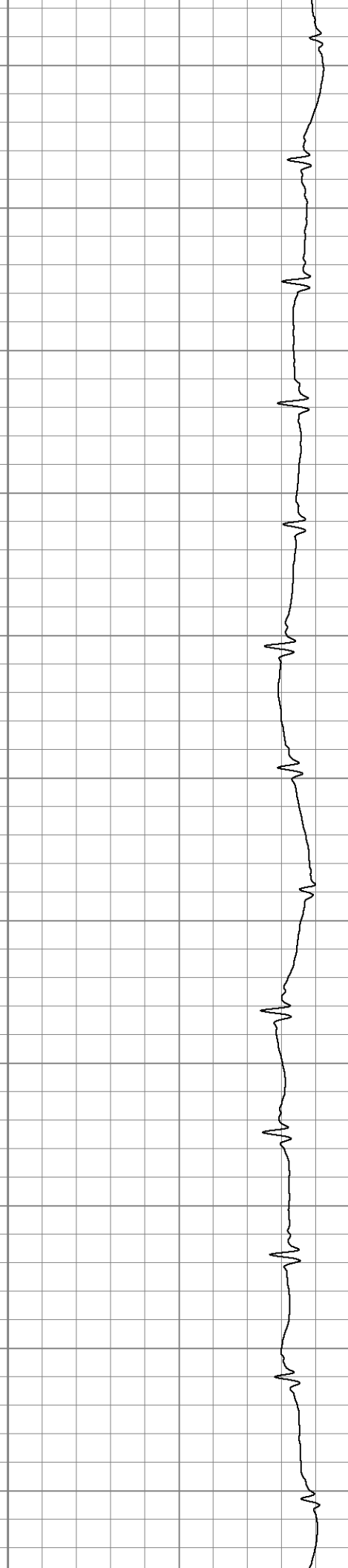
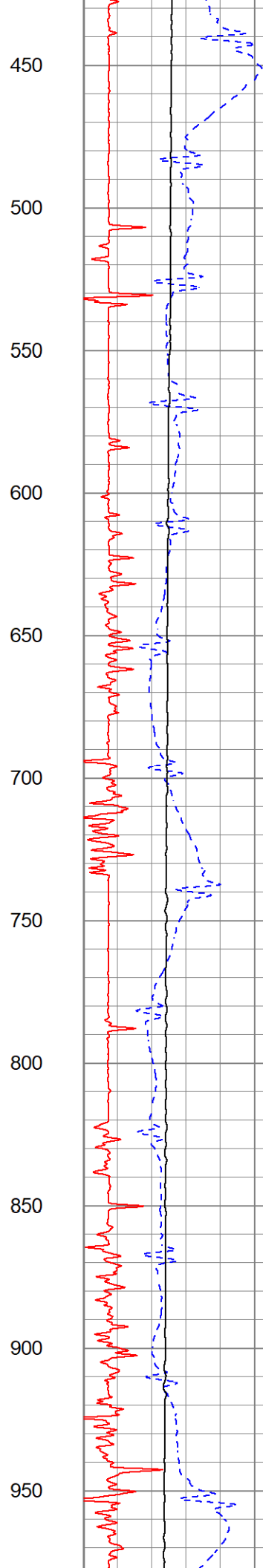
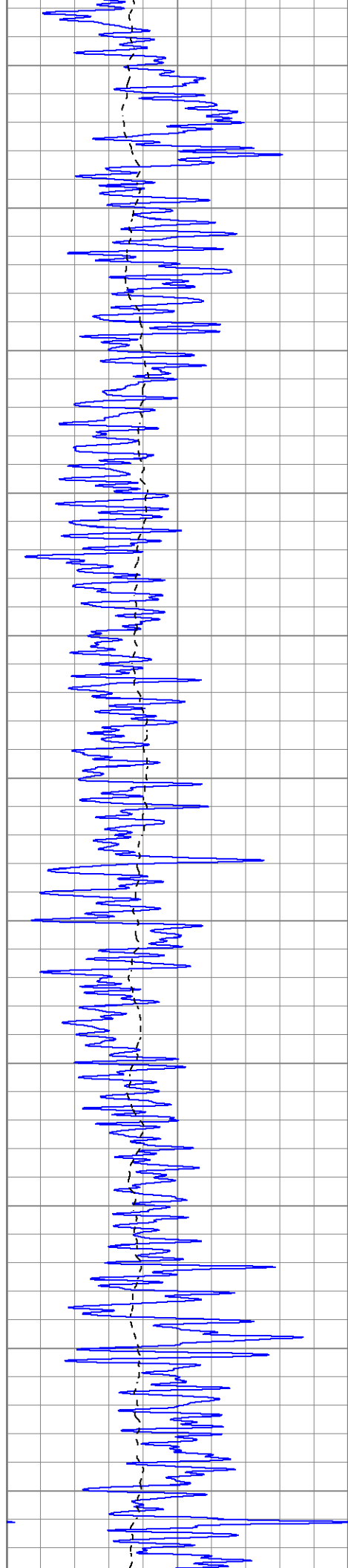


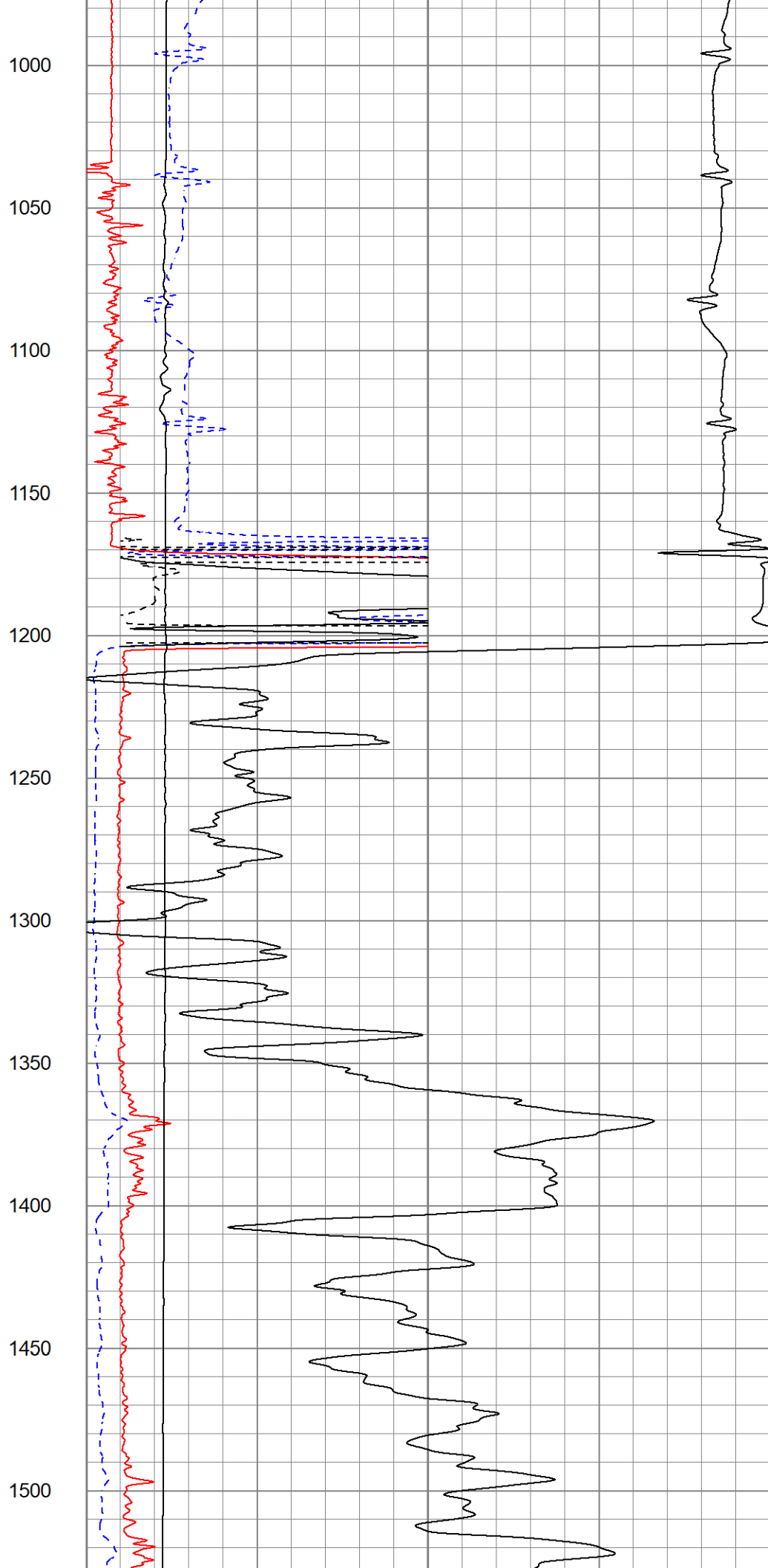
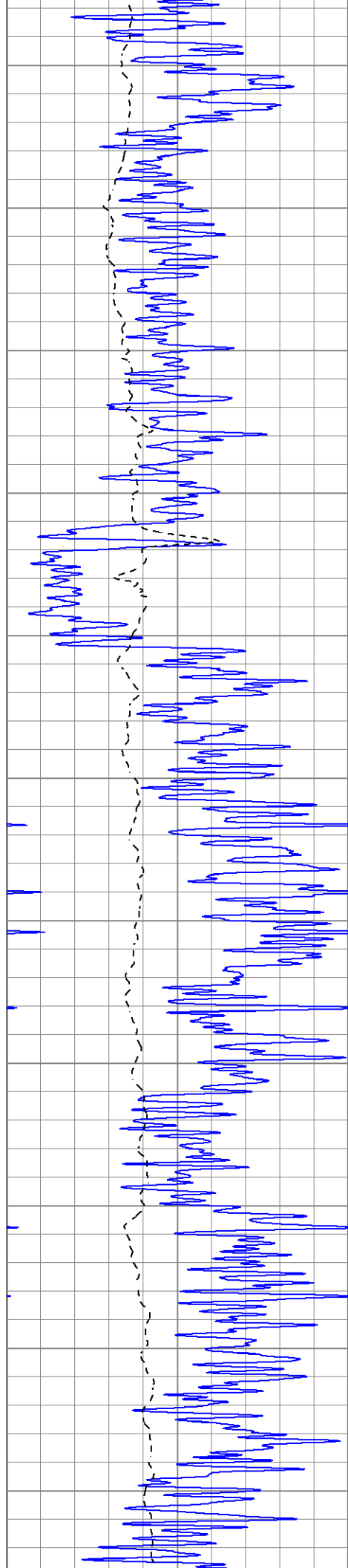
MAIN PASS

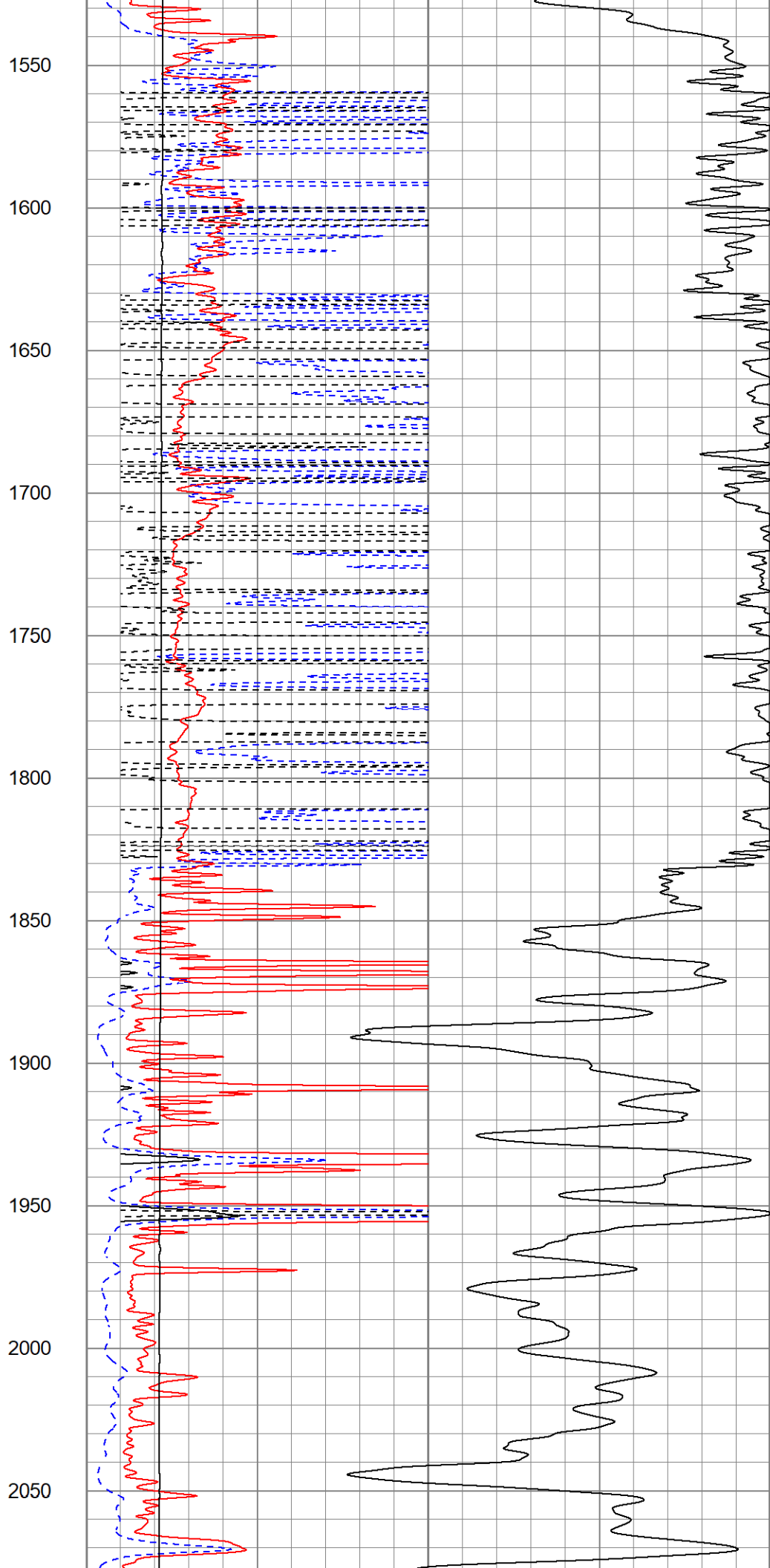
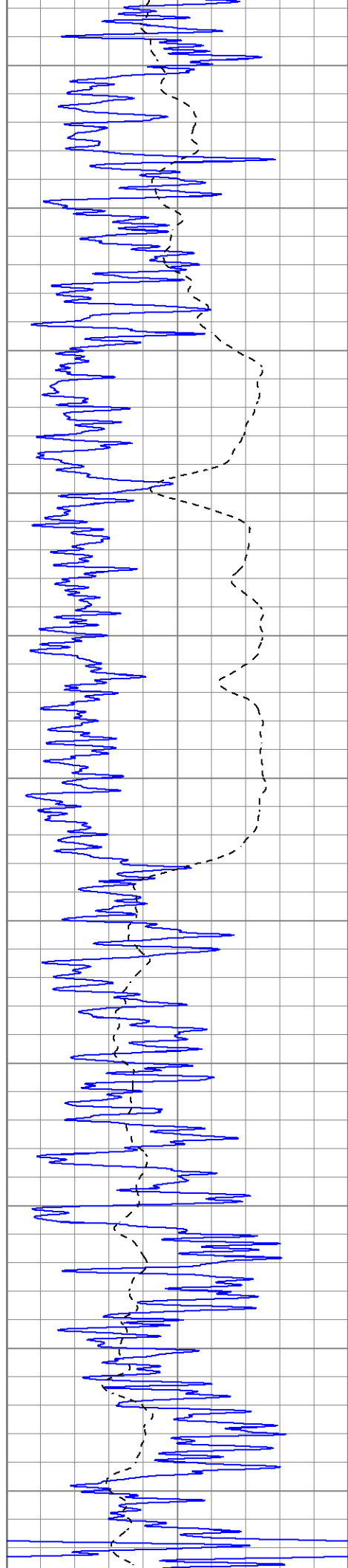
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Dataset Pathname	pass3.1
Presentation Format	kdillinn
Dataset Creation	Wed Sep 07 15:10:22 2022
Charted by	Depth in Feet scaled 1:600

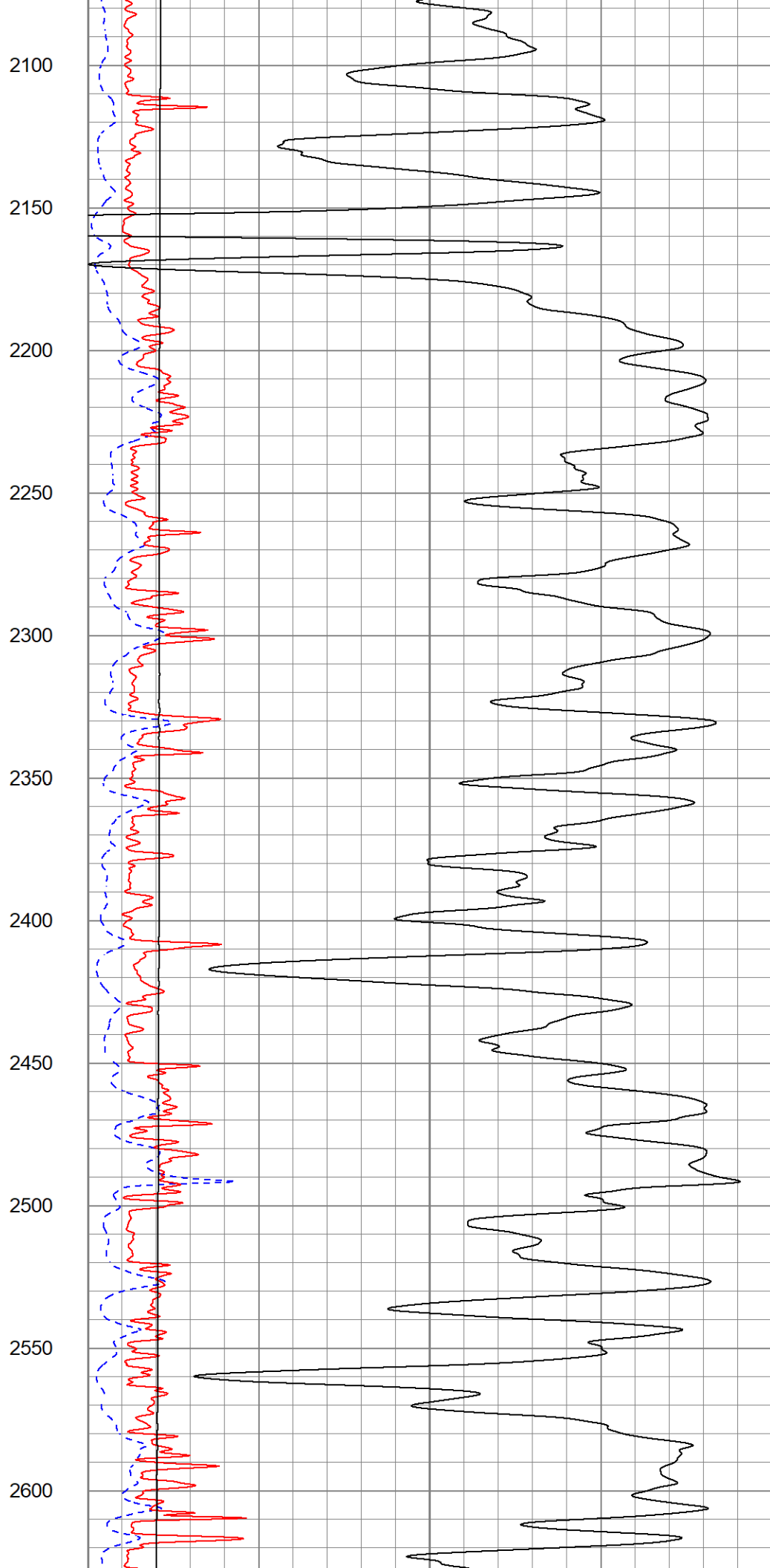
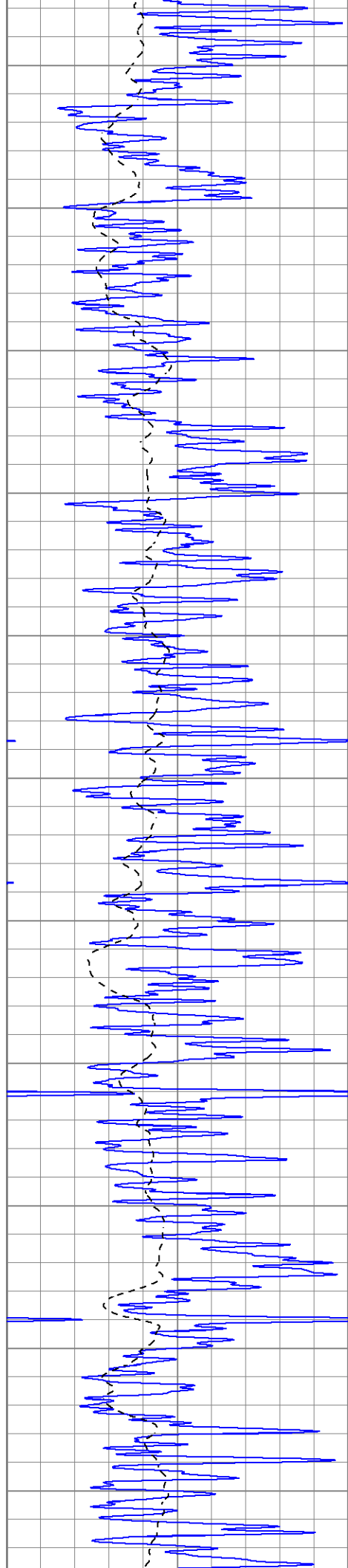
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-100	SP (mV)	100	10000	LTEN (lb)	0
			0	RILD (Ohm-m)	50
			0	RLL3 (Ohm-m)	50
			50	RILD x 10 (Ohm-m)	500
			50	RLL3 x 10 (Ohm-m)	500

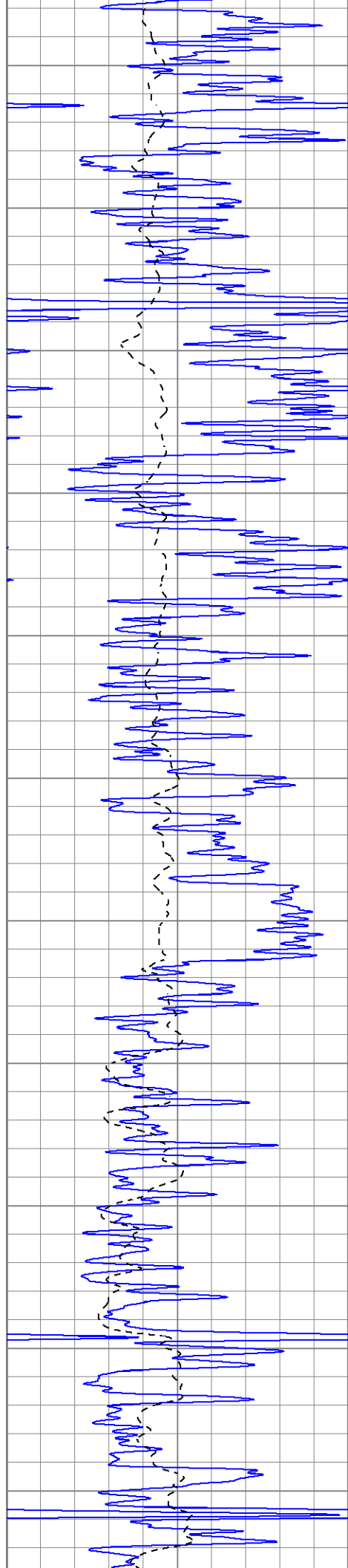












2650

2700

2750

2800

2850

2900

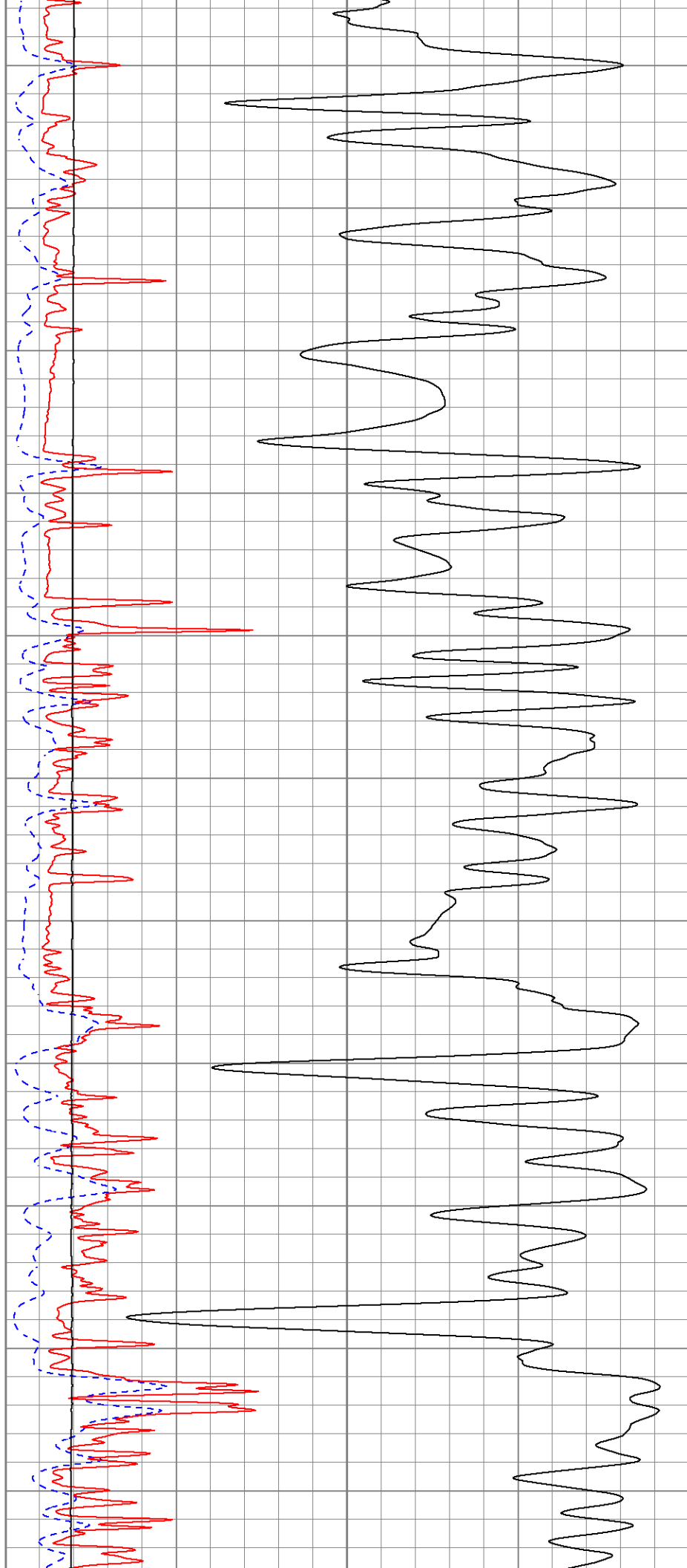
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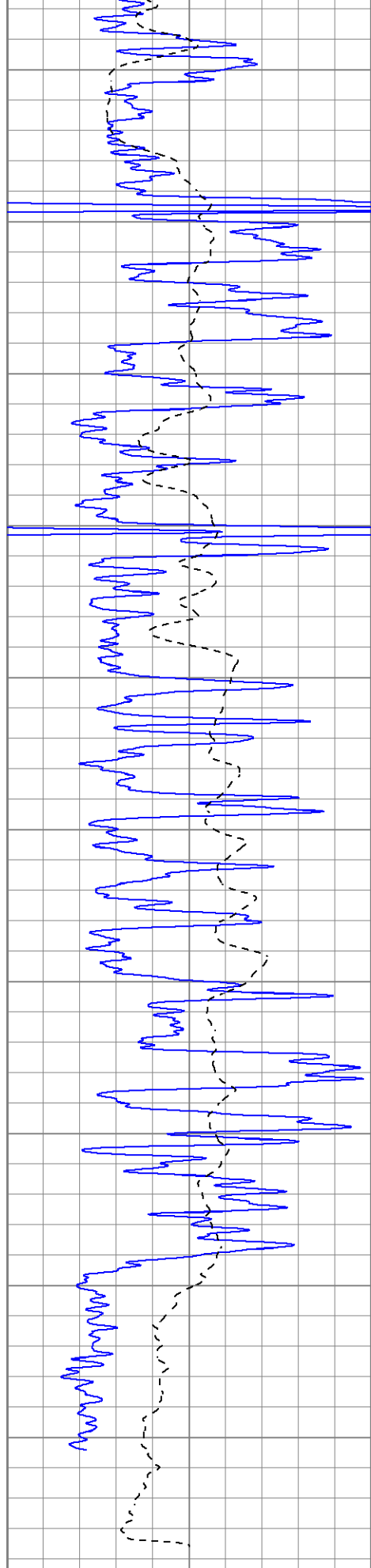
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3050

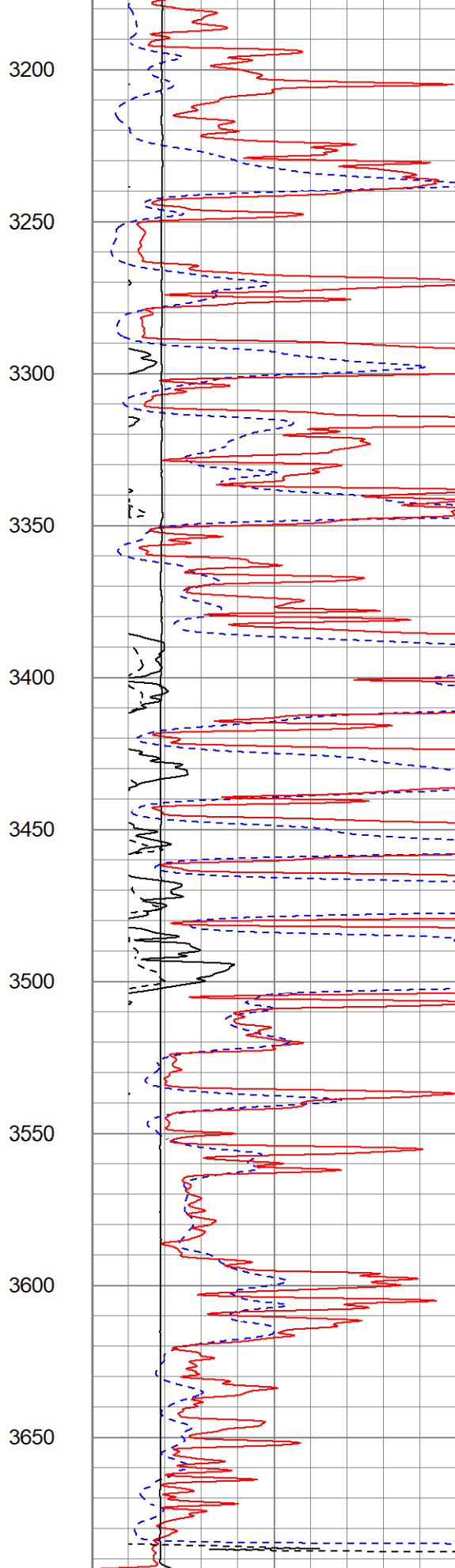
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3150

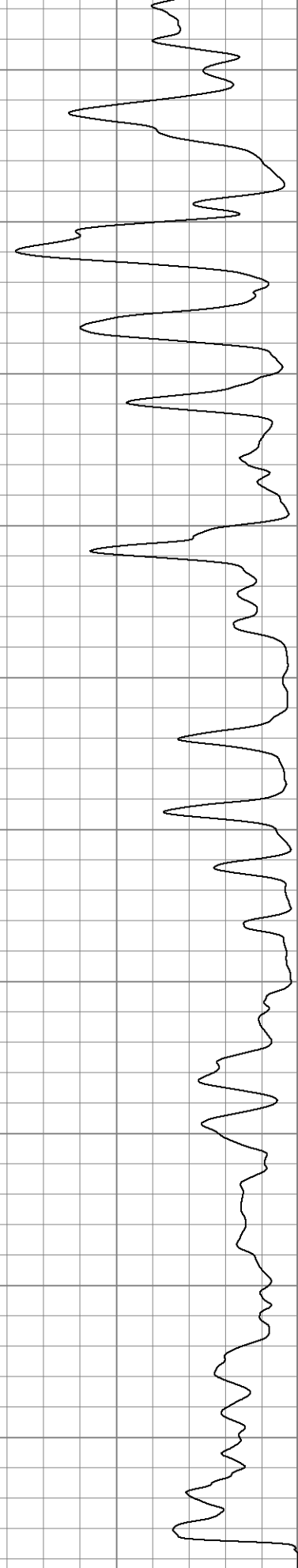




0	GR (GAPI)	150
-100	SP (mV)	100



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



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

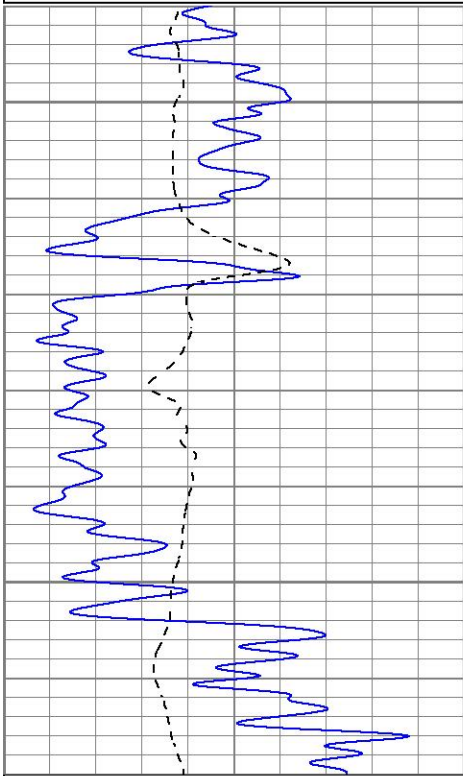


MAIN PASS

Database File jofa.db
Dataset Pathname pass3.1
Presentation Format kdil
Dataset Creation Wed Sep 07 15:10:22 2022
Charted by Depth in Feet scaled 1:240

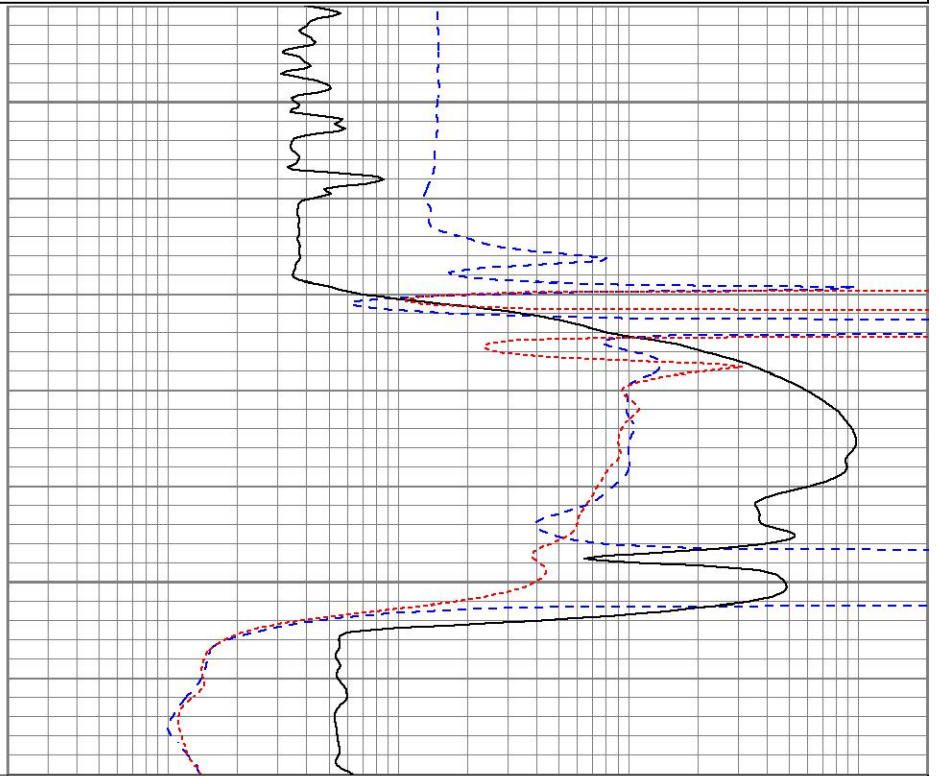
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-100	SP (mV)	100

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



1150

1200



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

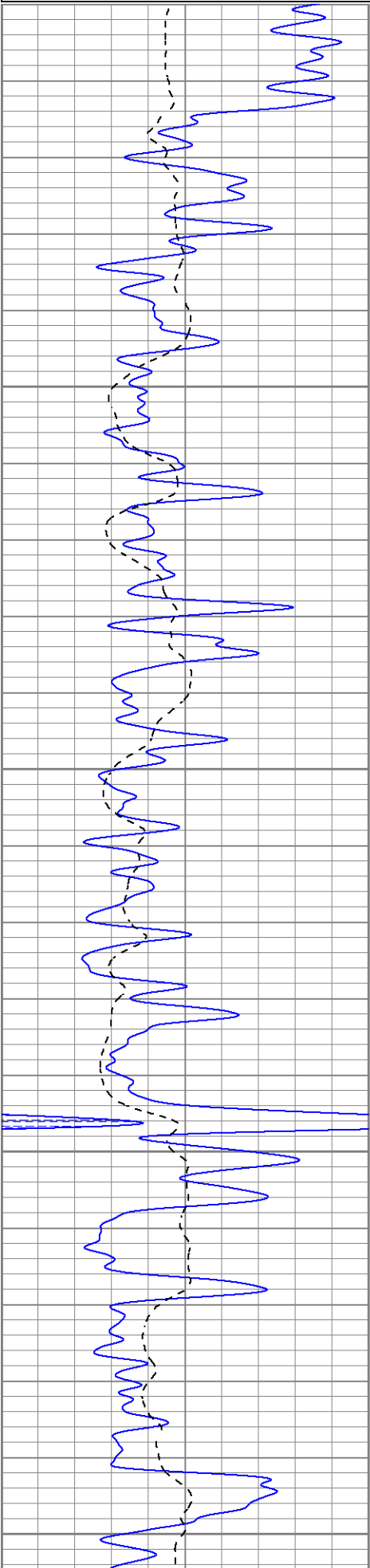
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0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



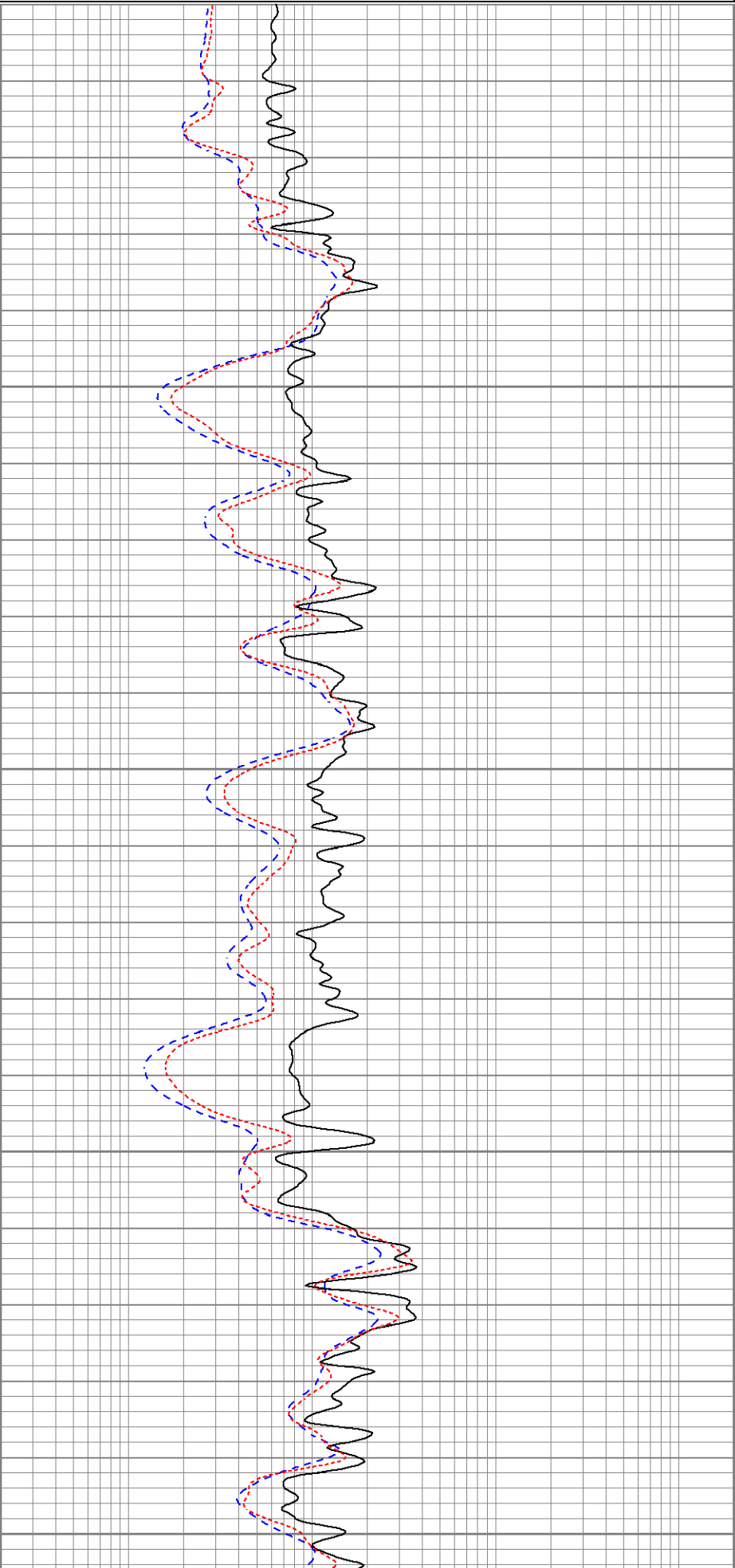
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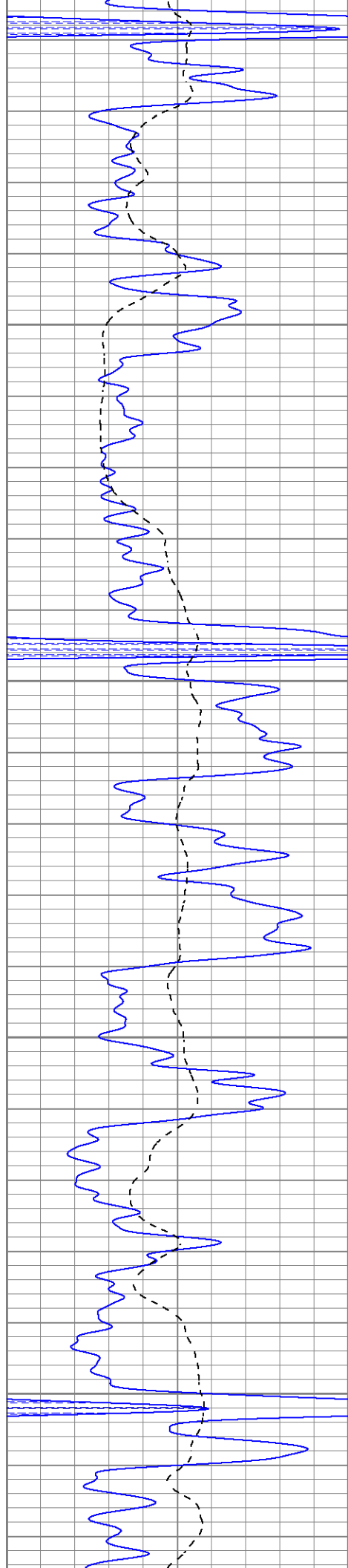
Database File jofa.db
Dataset Pathname pass3.1
Presentation Format kdil
Dataset Creation Wed Sep 07 15:10:22 2022
Charted by Depth in Feet scaled 1:240

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



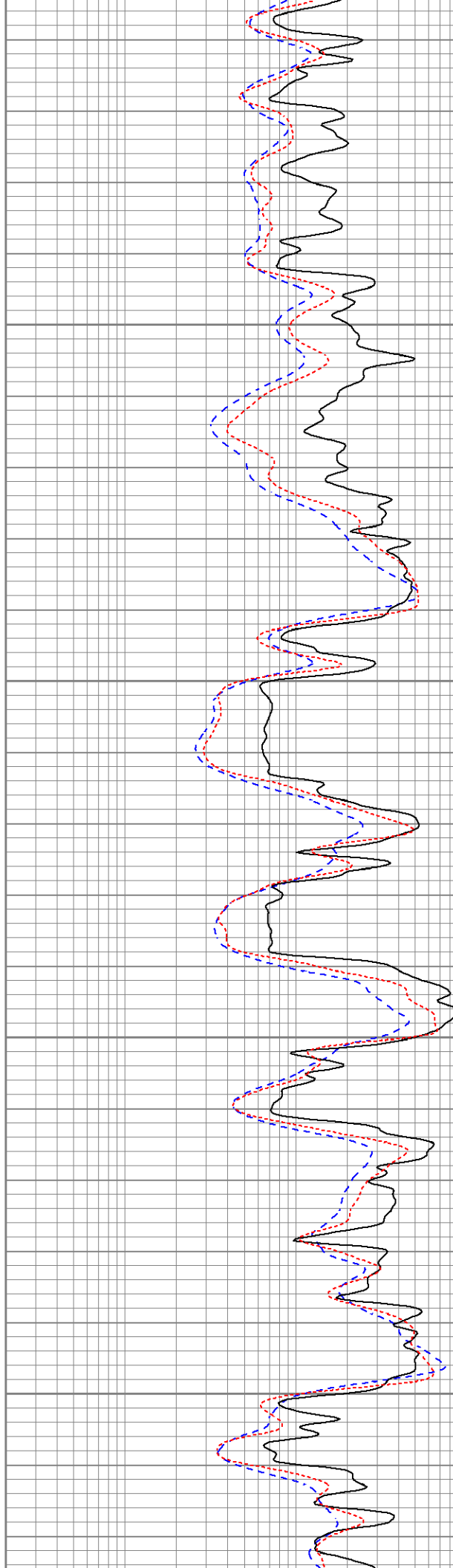


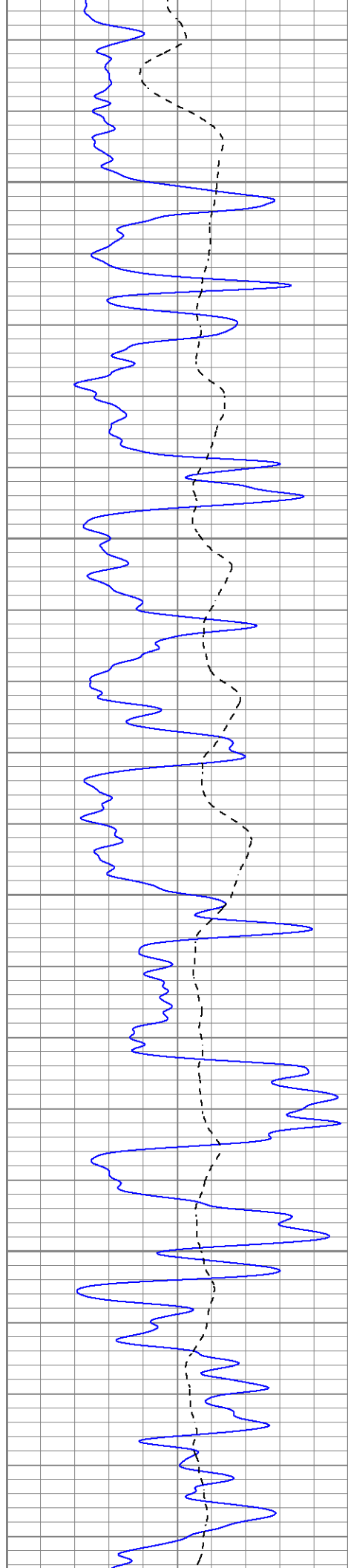
3200

3250

3300

3350



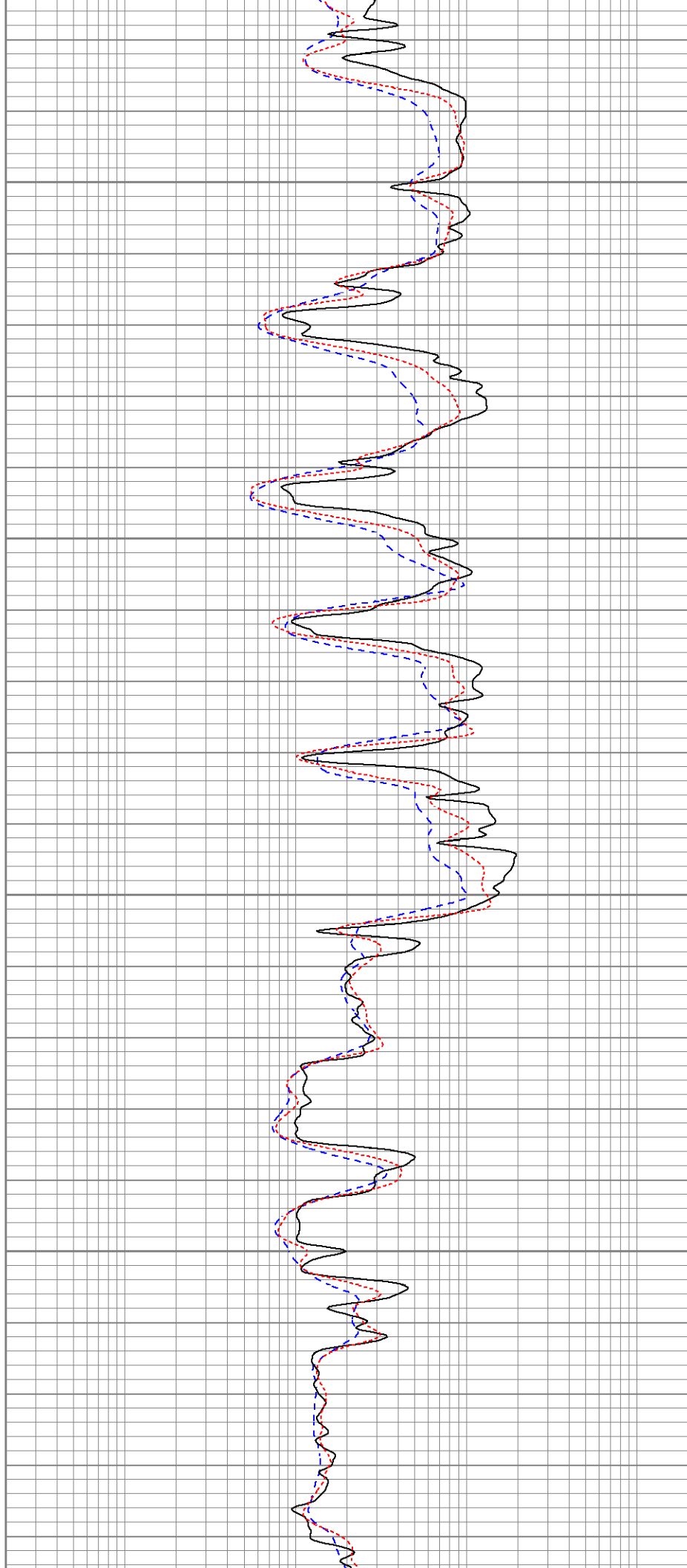


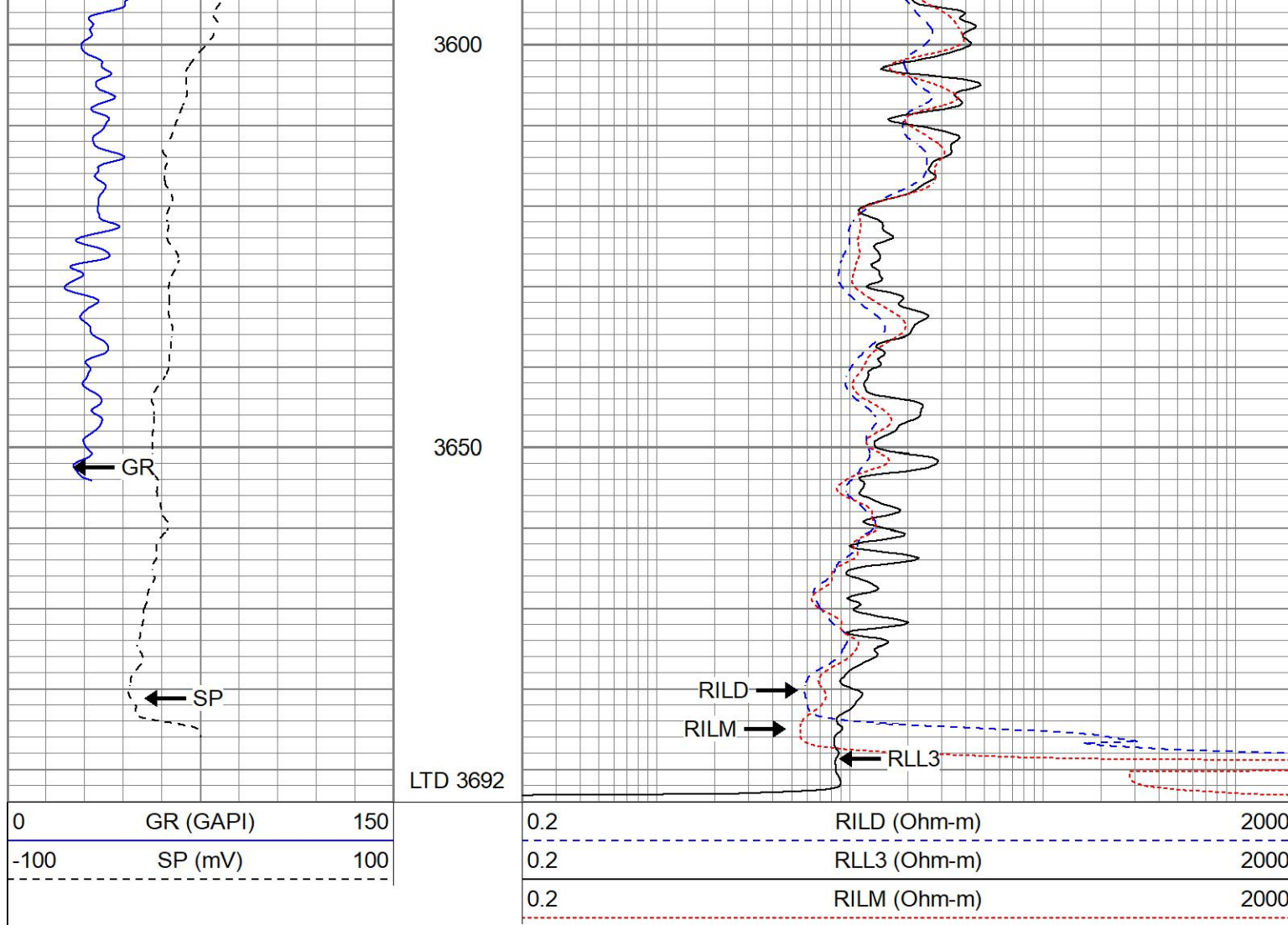
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3450

3500

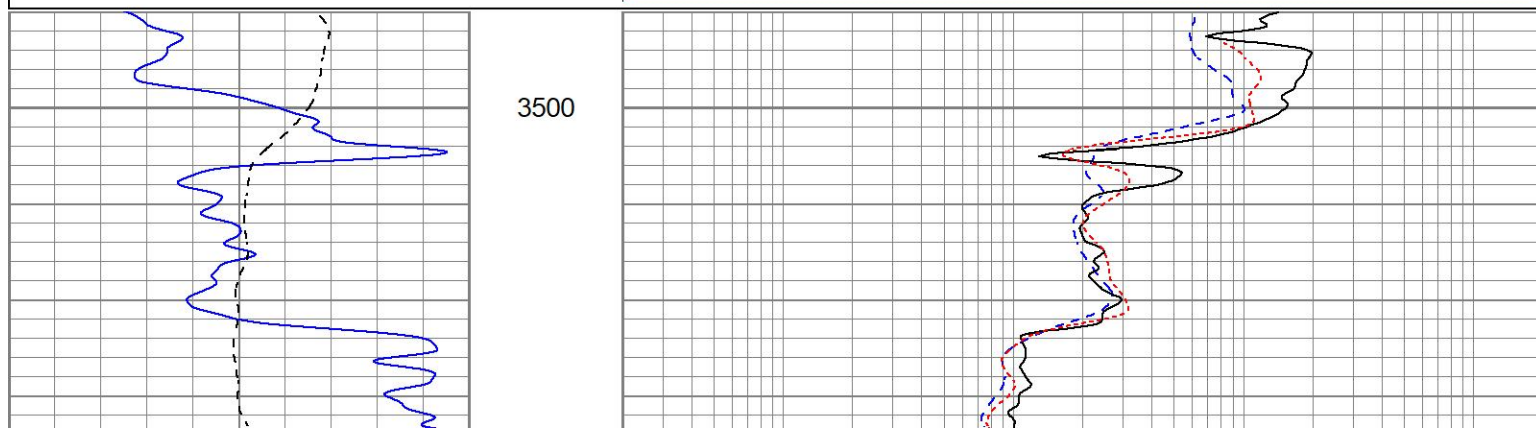
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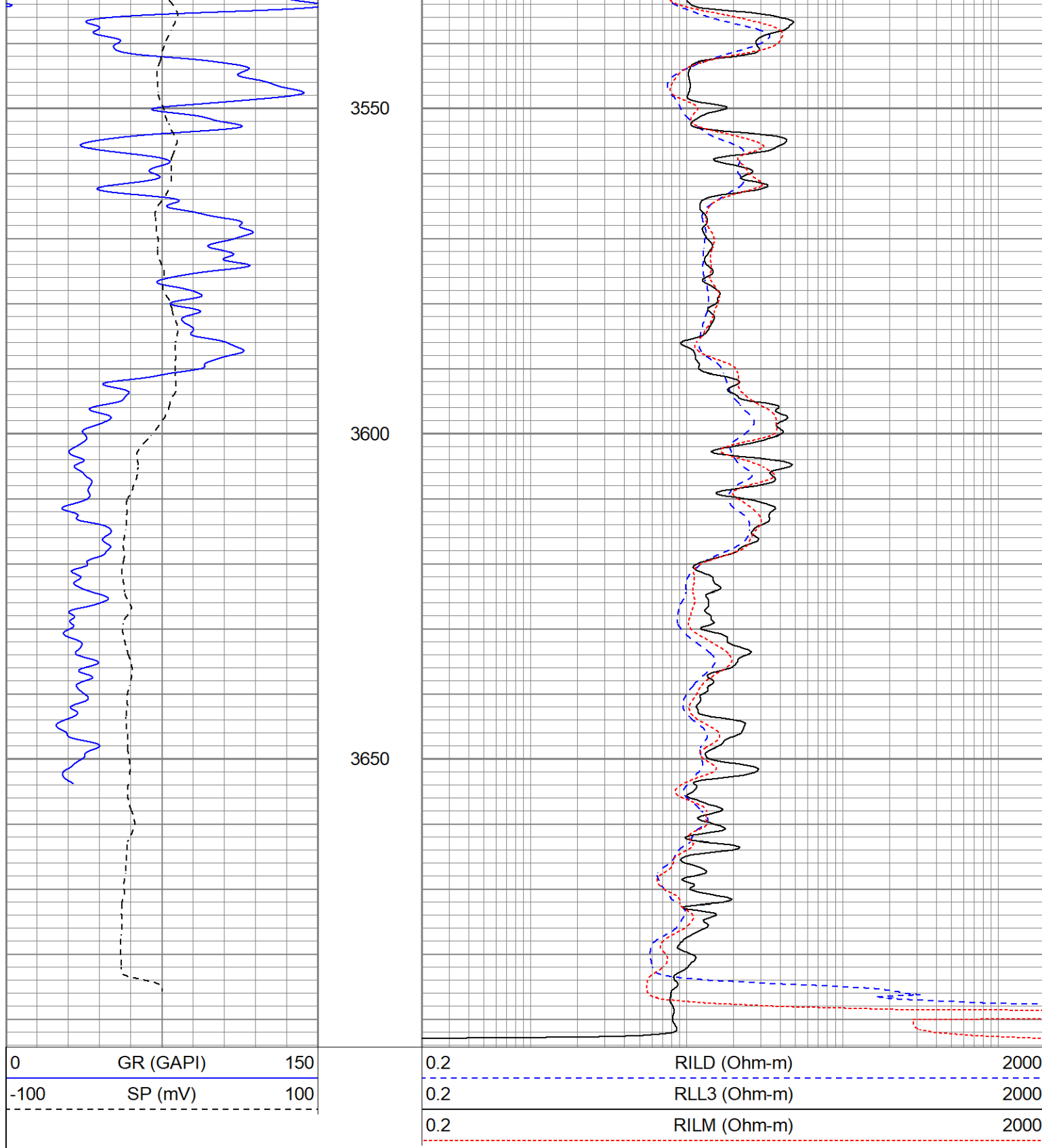




REPEAT SECTION

Database File jofa.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Wed Sep 07 15:13:11 2022
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File jofa.db
Dataset Pathname pass2.1
Dataset Creation Wed Sep 07 15:13:11 2022

Dual Induction Calibration Report

Serial-Model: 1842-ADM
Surface Cal Performed: Mon Sep 20 22:00:42 2021
Downhole Cal Performed: Mon Sep 20 22:00:24 2021
After Survey Verification Performed: Mon Sep 20 22:05:52 2021

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								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	190.330	-1.504

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Admyr Lithodensity Calibration Report								
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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								
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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		