



MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Castle Resources, Inc.				
Well	Juenemann A #1			
Field	Dellvale			
County	Norton			
State	Kansas			
Company Castle Resources, Inc.				
Well	Juenemann A #1			
Field	Dellvale			
County	Norton			
State	Kansas			
Location:	API #: 15-137-20771-00-00			
1320 FSL & 660 FEL				
SEC 29 TWP 3S RGE 24W	CNL/CDL MEL			
Permanent Datum	Ground Level	Elevation	2360	Other Services
Log Measured From	Kelly Bushing			K.B. 2365
Drilling Measured From	Kelly Bushing			D.F. 2360
				G.L. 2360
Date	5/14/2024			
Run Number	One			
Depth Driller	3715			
Depth Logger	3708			
Bottom Logged Interval	3707			
Top Log Interval	200			
Casing Driller	8.625 @ 220			
Casing Logger	207			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1000			
Density / Viscosity	8.7	48		
pH / Fluid Loss	10.1	6.4		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	0.80 @ 72			
Rmt @ Meas. Temp	0.60 @ 72			
Rmc @ Meas. Temp	1.08 @ 72			
Source of Rmt / Rmc	CHARTS			
Rm @ BHT	0.51 @ 113			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	113			
Equipment Number	110			
Location	HAYS			
Recorded By	D. Schmidt			
Witnessed By	Jerry Green			

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Norton,
West to Rd 383,
South to 8 Rd, 1 South,
West and North into

Log Measured From: Kelly Bushing

5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jerry Green
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_juenemann a1.db
Dataset field/well/stkml/pass4.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	113	4.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		-6	0	289	60		378

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

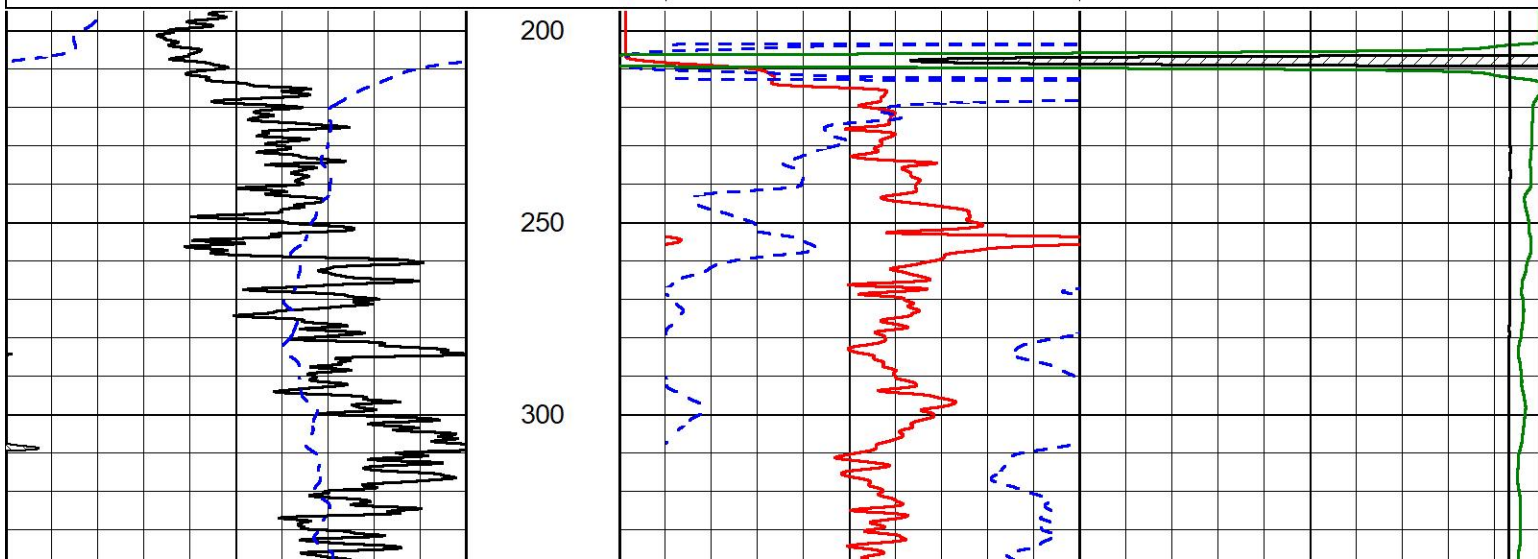


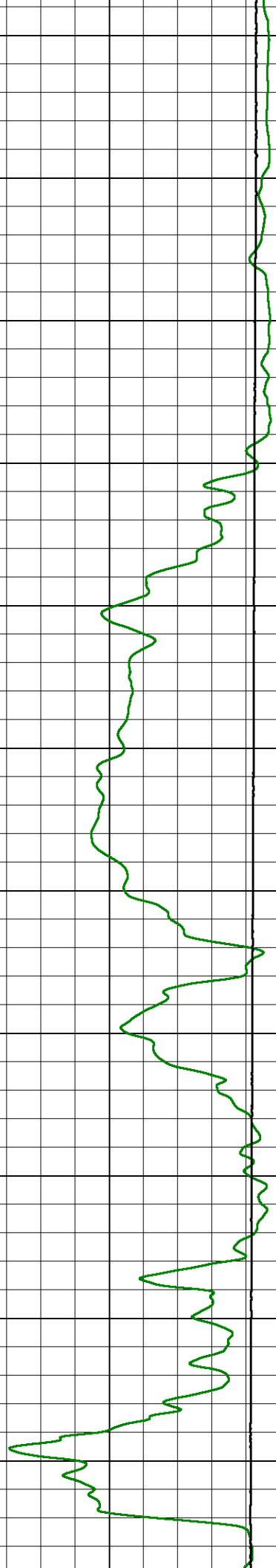
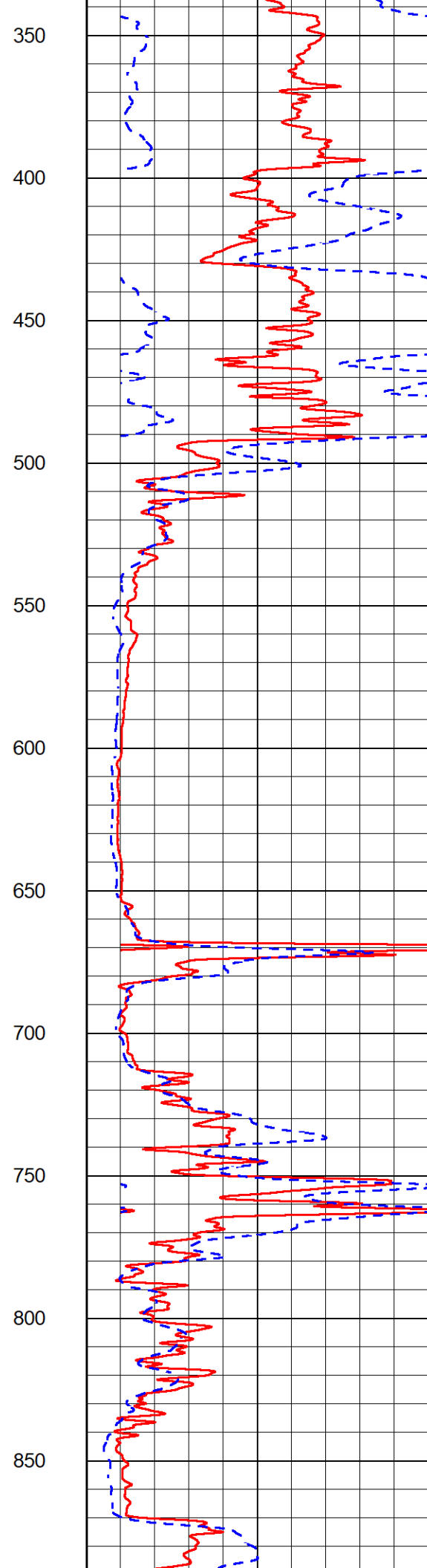
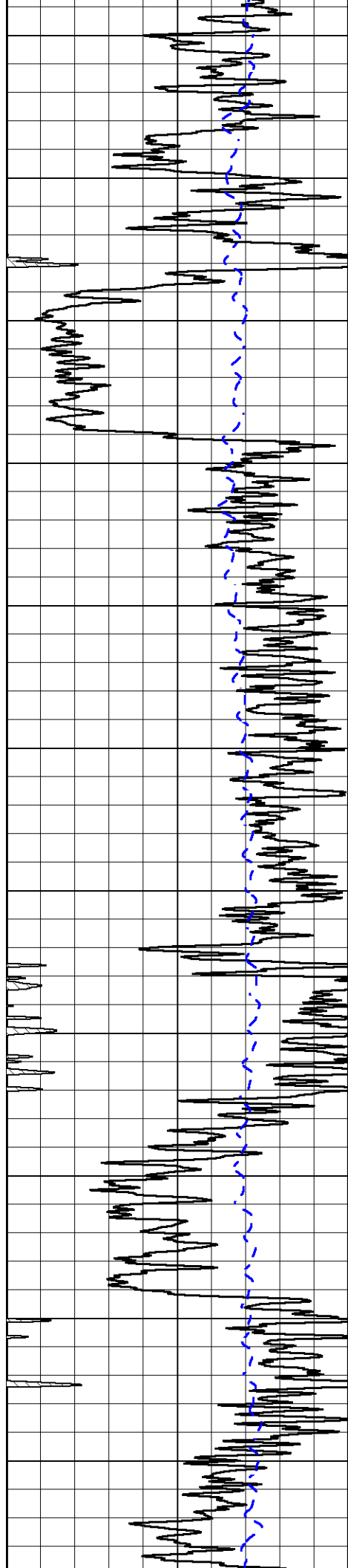
2" SCALE RESISTIVITY

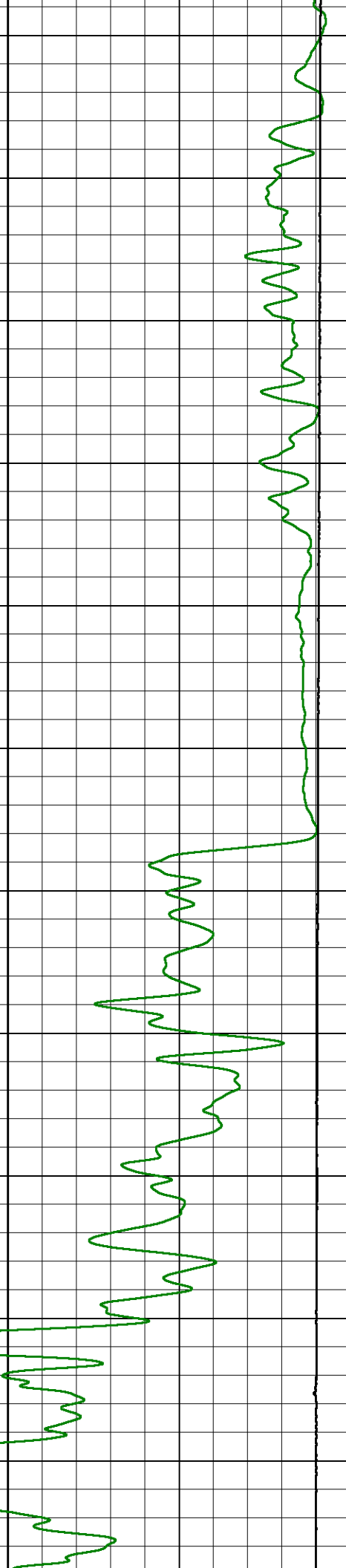
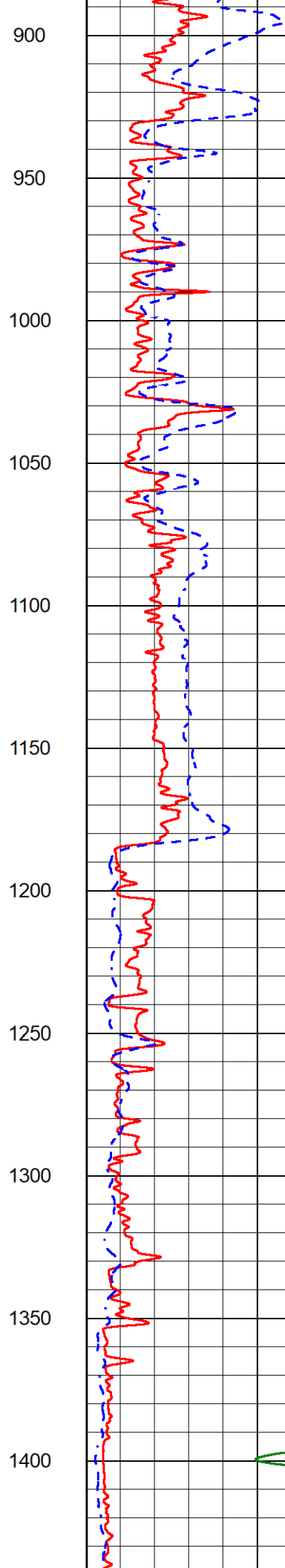
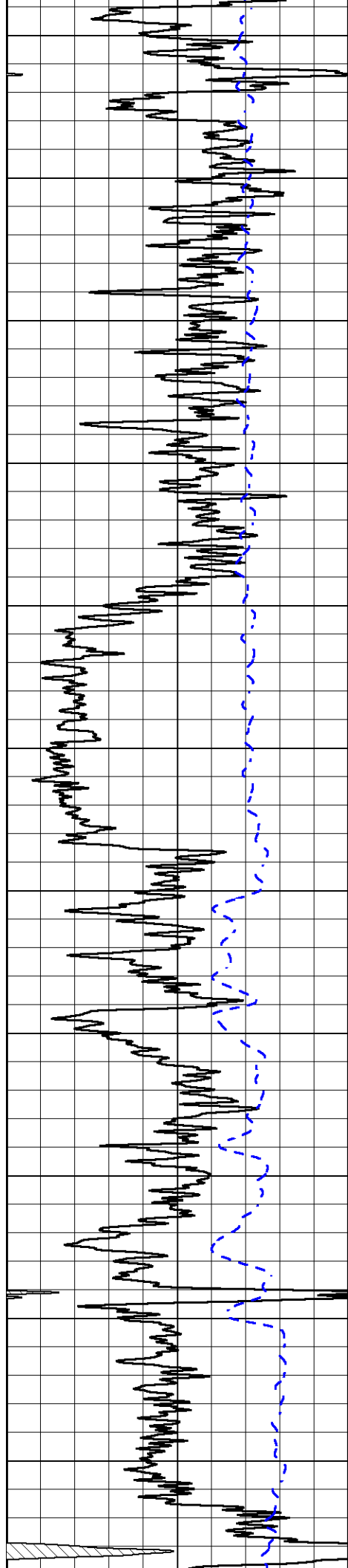
MAIN PASS

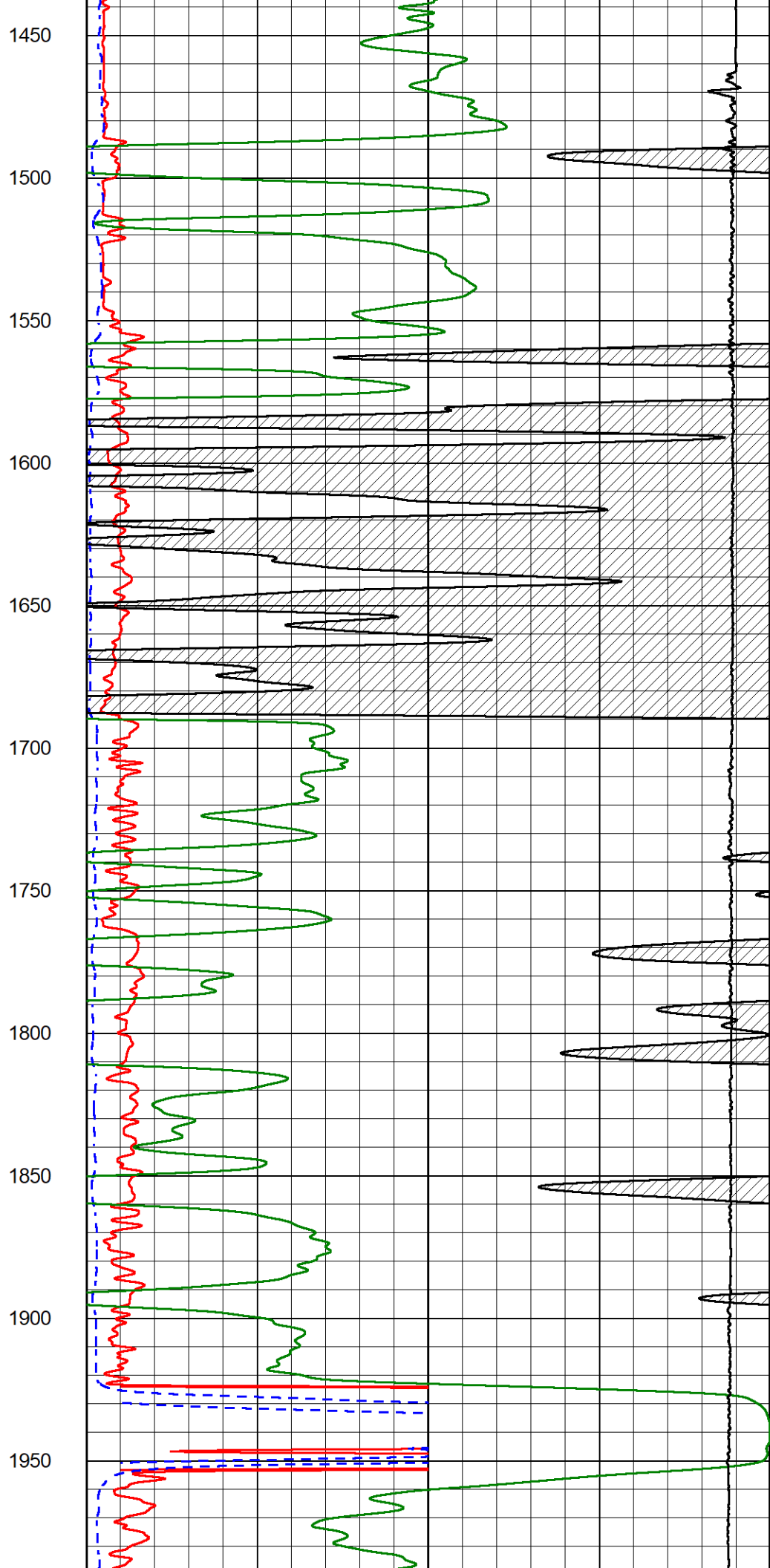
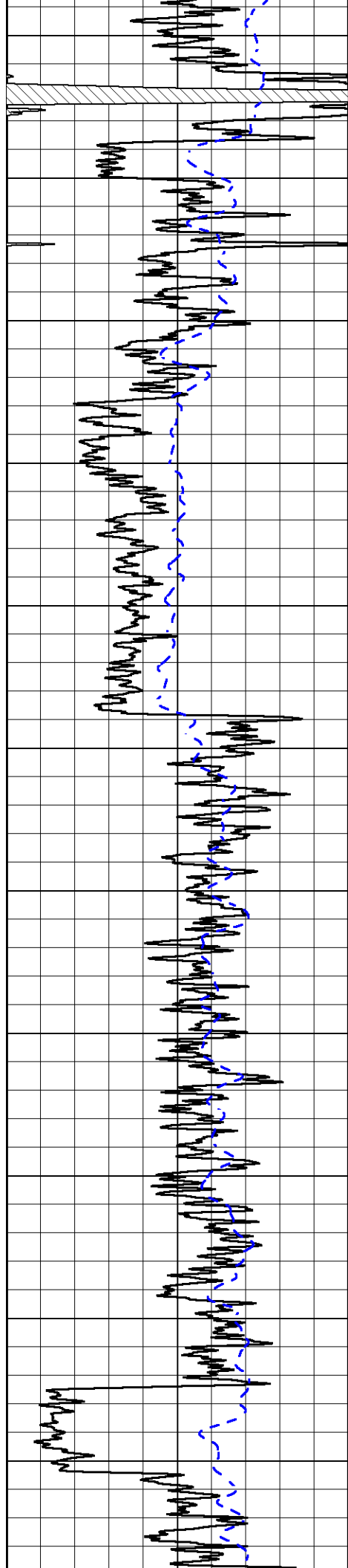
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Presentation Format _dil2in
Dataset Creation Tue May 14 10:14:37 2024
Charted by Depth in Feet scaled 1:600

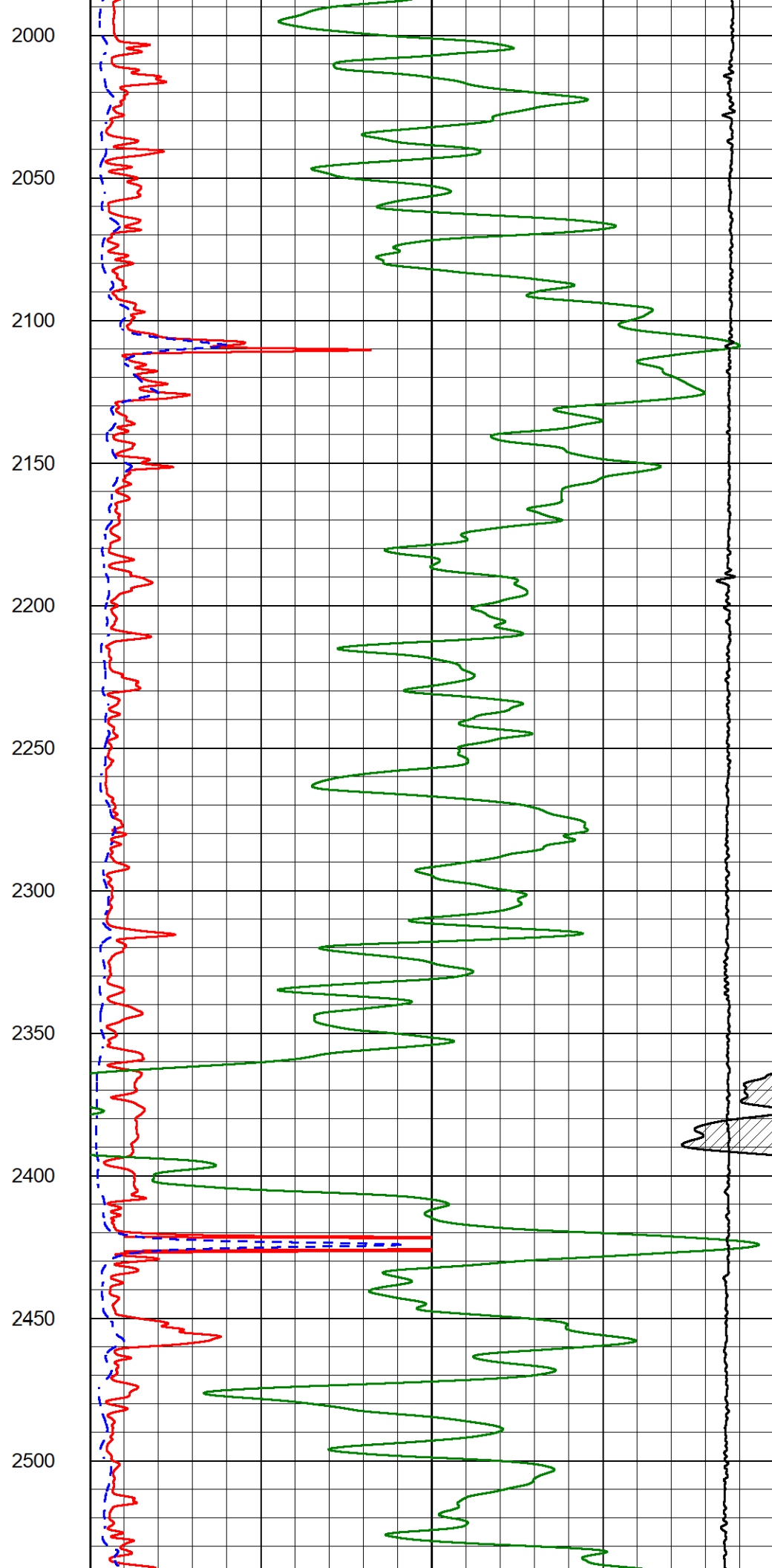
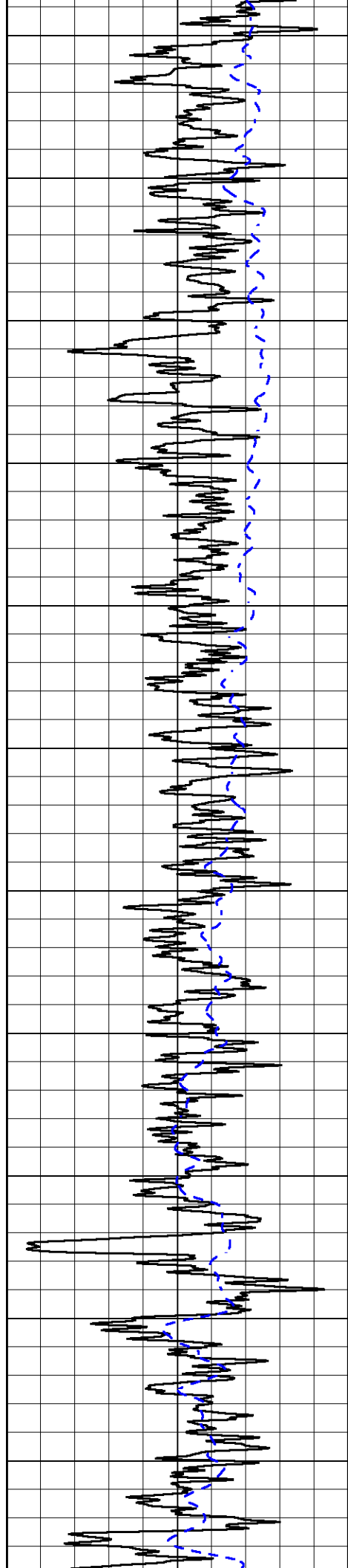
0	Gamma Ray (GAPI)	150	1000	Conductivity (mmho/m)	0
-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			Shallow Resistivity		
			50	(Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200

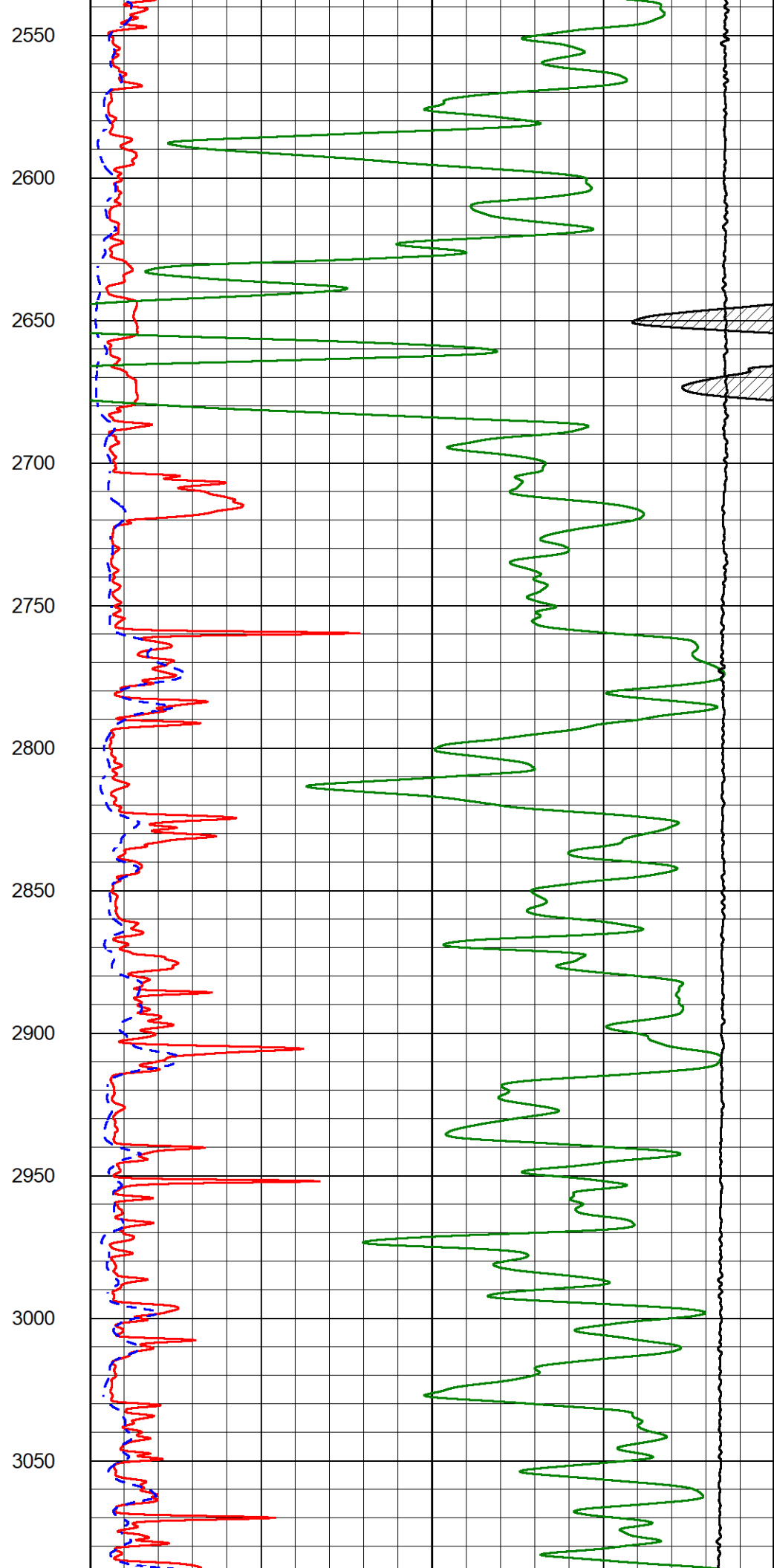
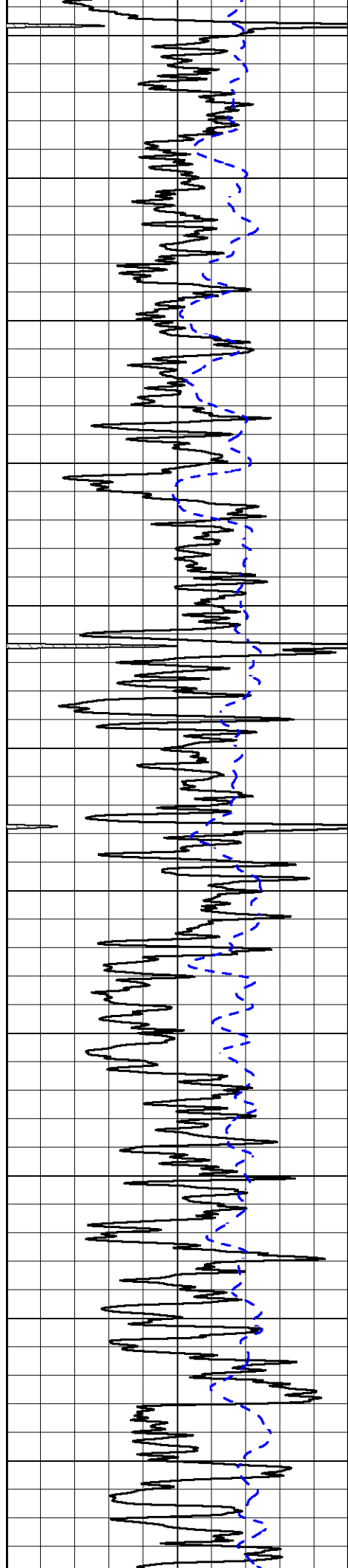


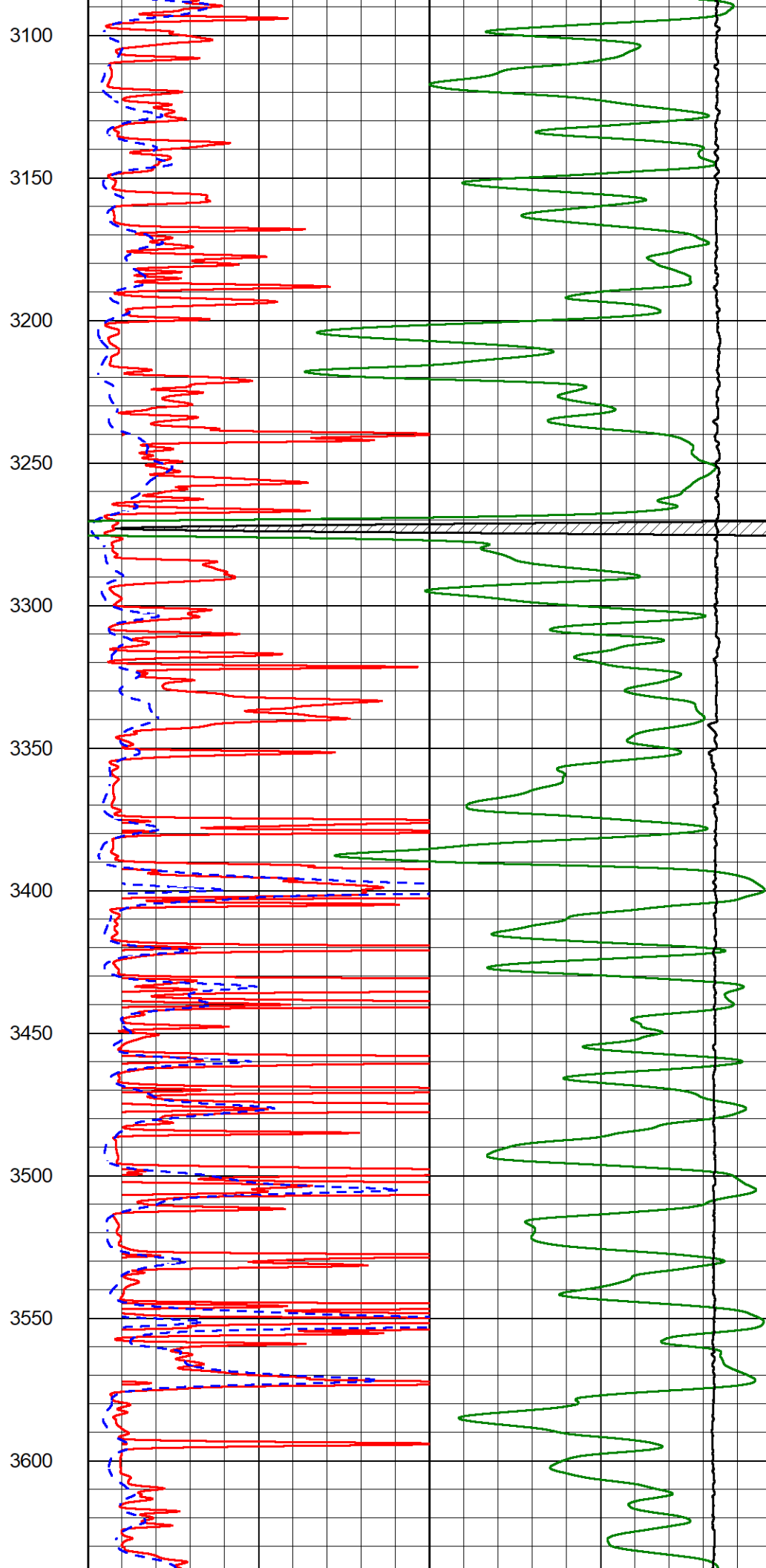
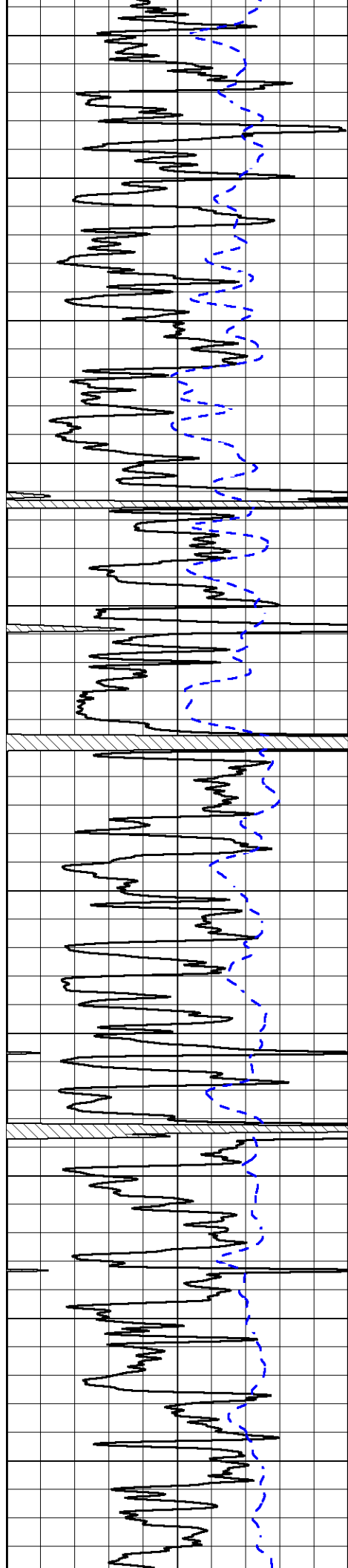


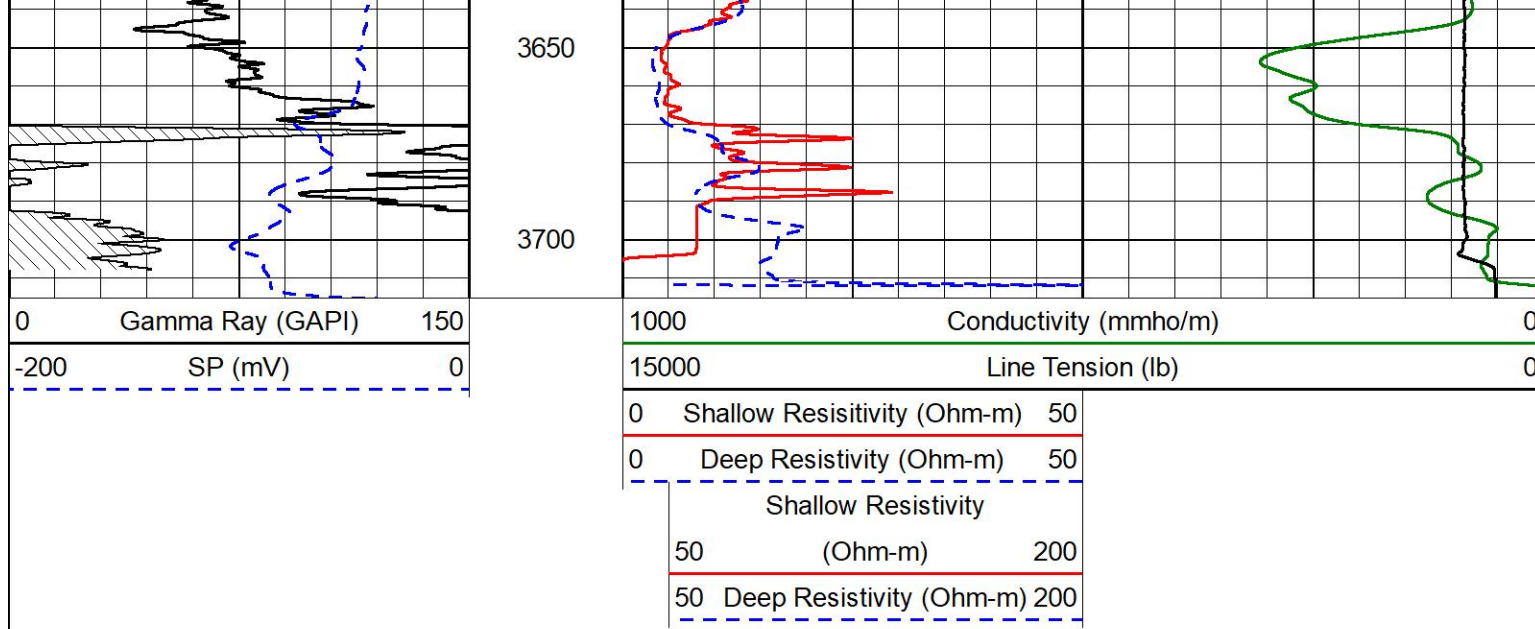










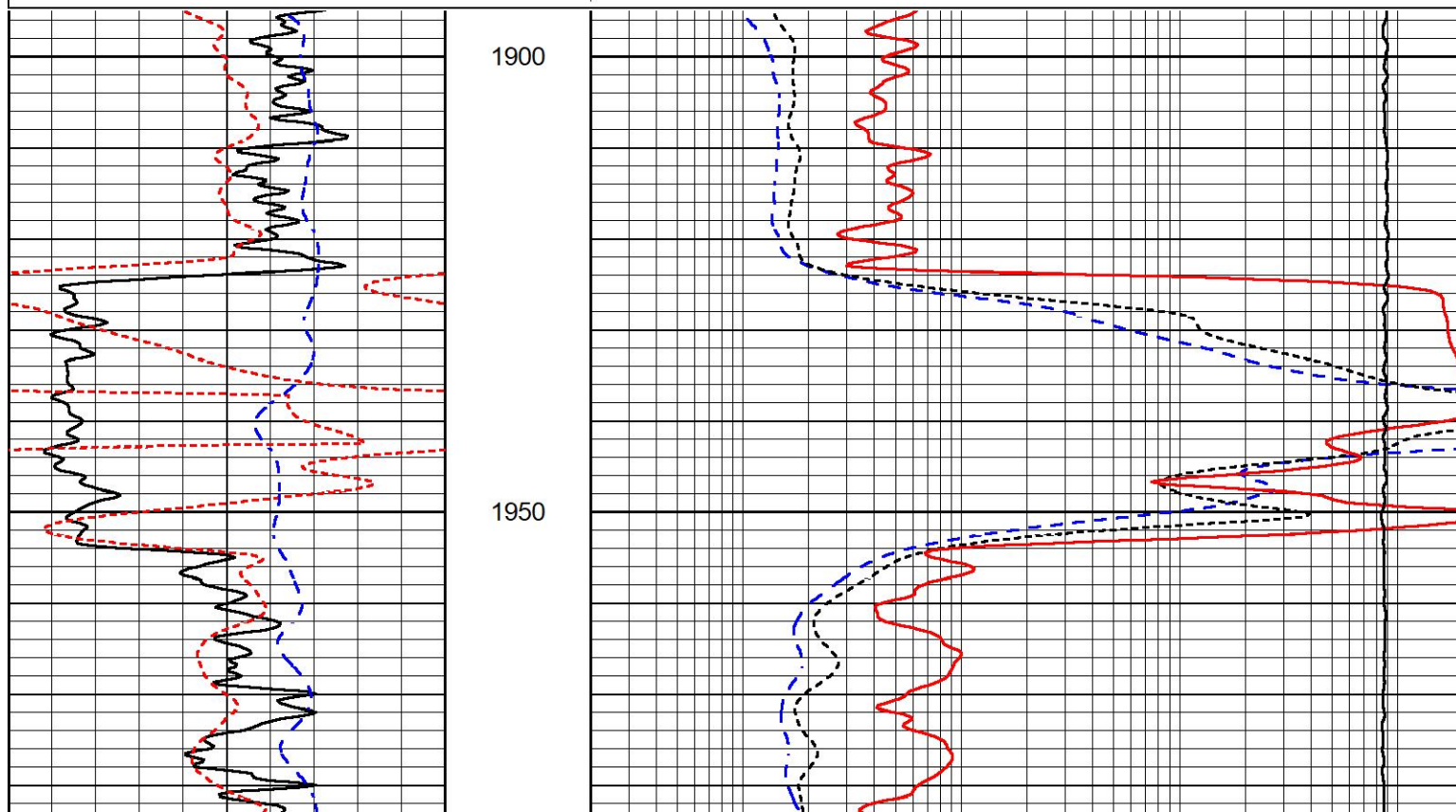
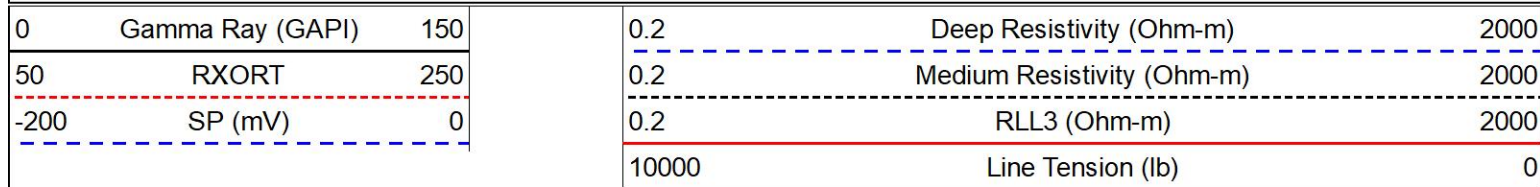


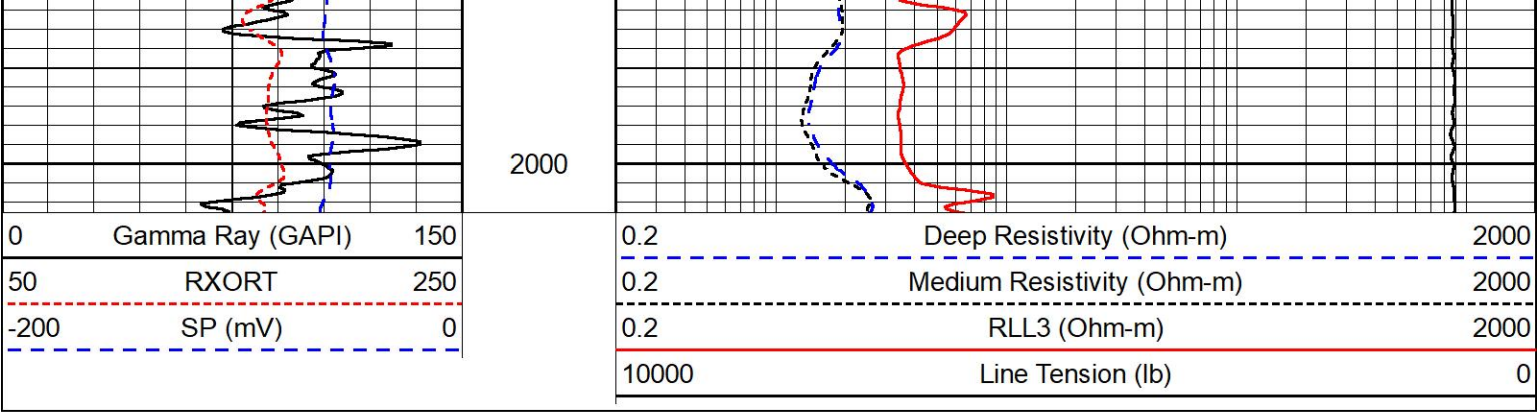
MIDWEST WIRELINE

ANHYDRITE SECTION

MAIN PASS

Database File castle_juenemann a1.db
 Dataset Pathname stkml/pass4.4
 Presentation Format _dil
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 Charted by Depth in Feet scaled 1:240



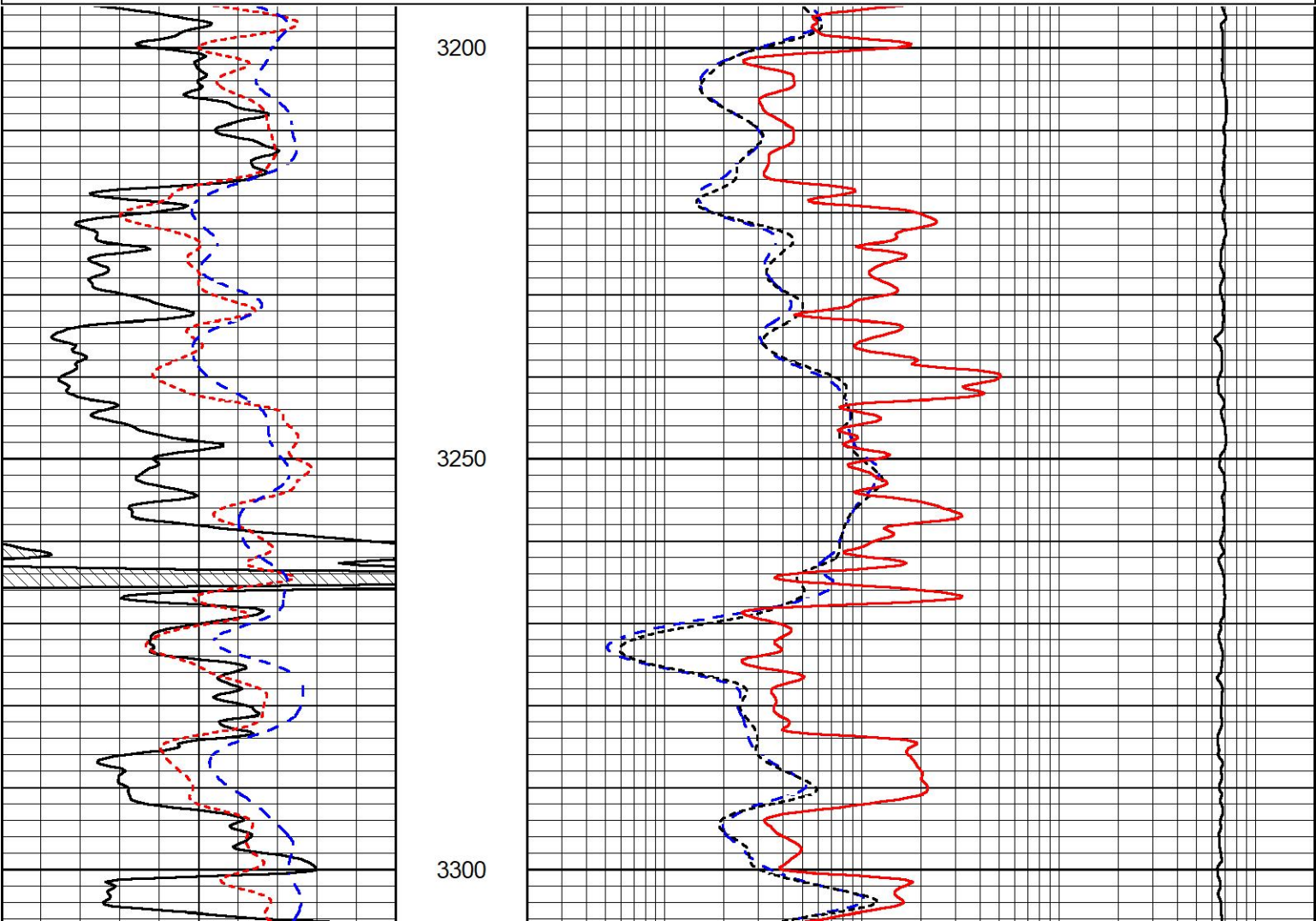
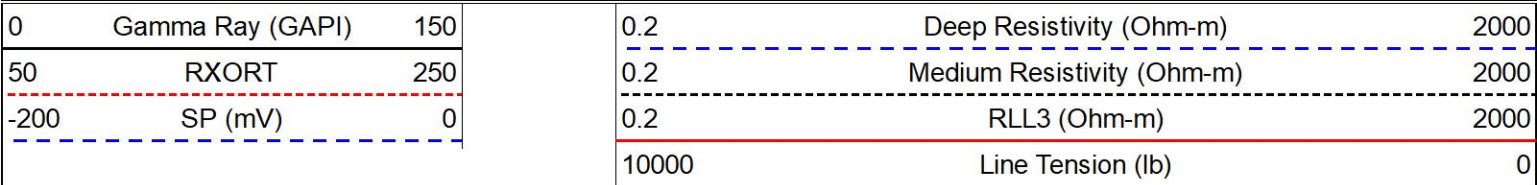


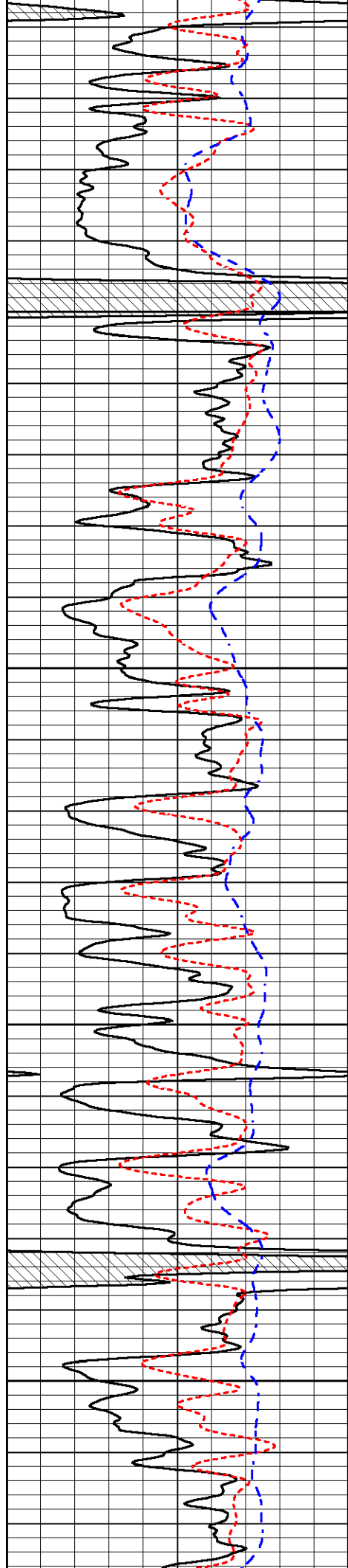
MIDWEST WIRELINE

DETAIL SECTION

MAIN PASS

Database File castle_juenemann a1.db
Dataset Pathname stkml/pass4.1
Presentation Format _dil
Dataset Creation Tue May 14 10:11:31 2024
Charted by Depth in Feet scaled 1:240



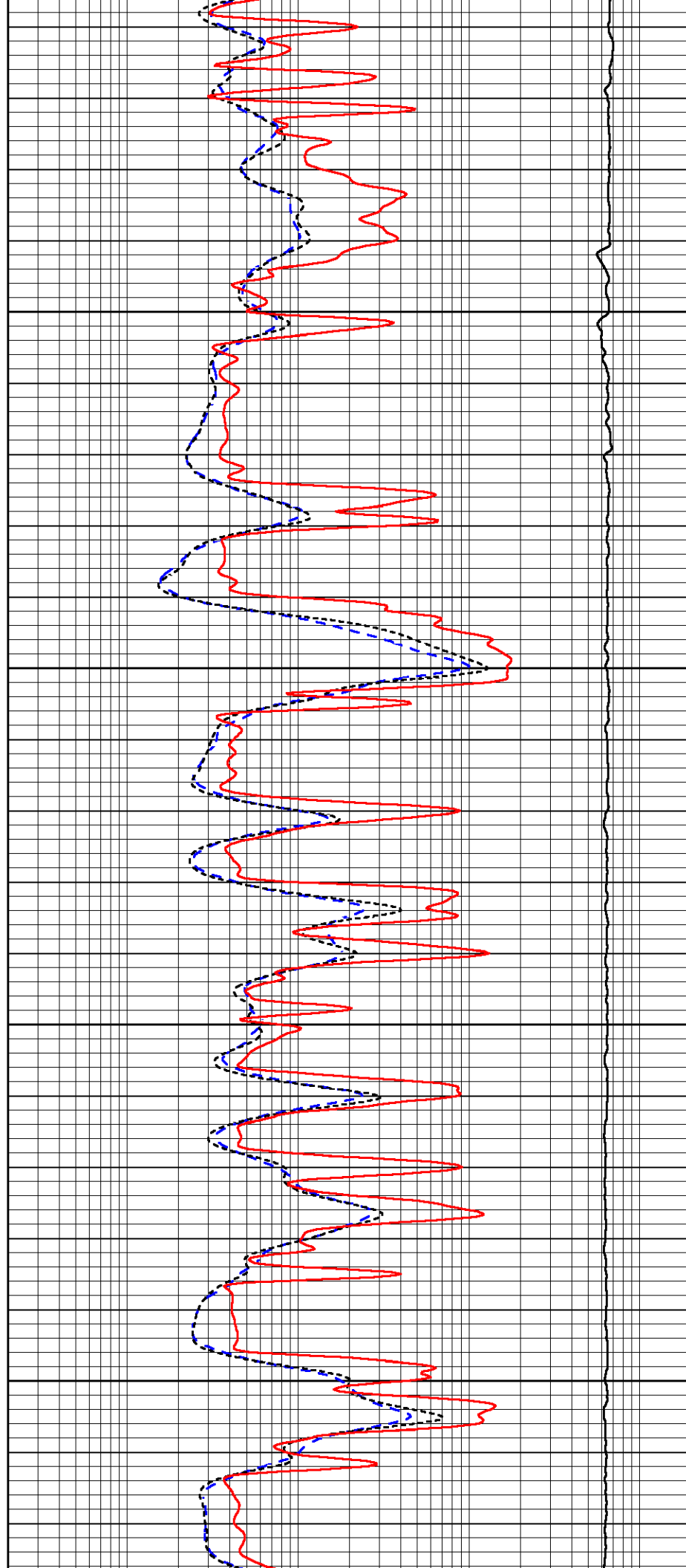


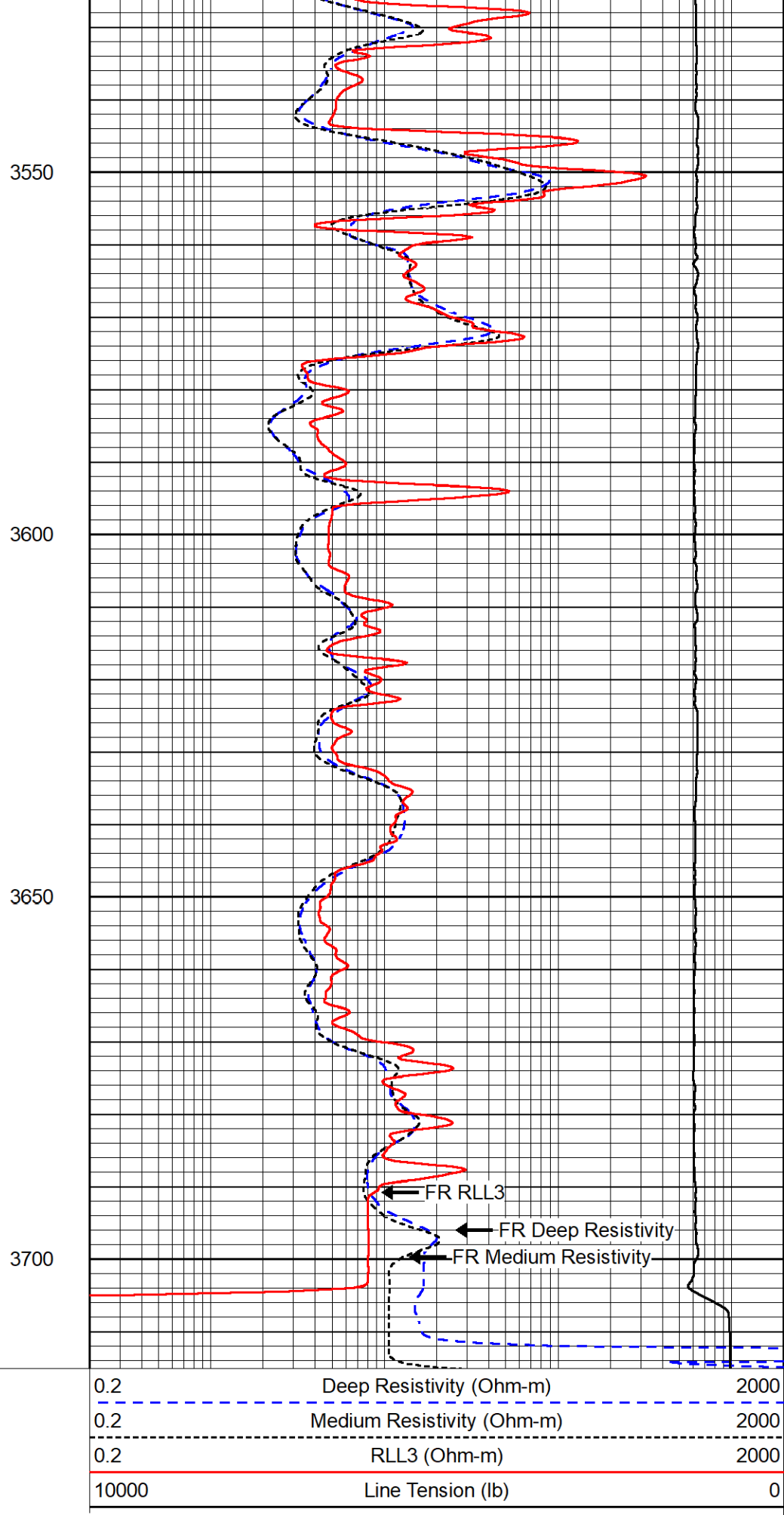
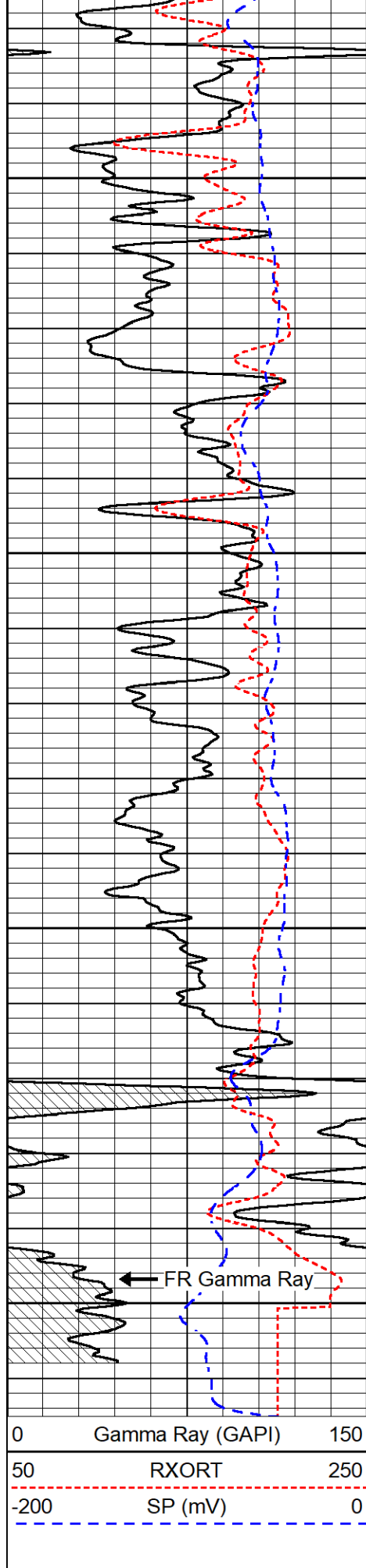
3350

3400

3450

3500





REPEAT SECTION



MIDWEST WIRELINE

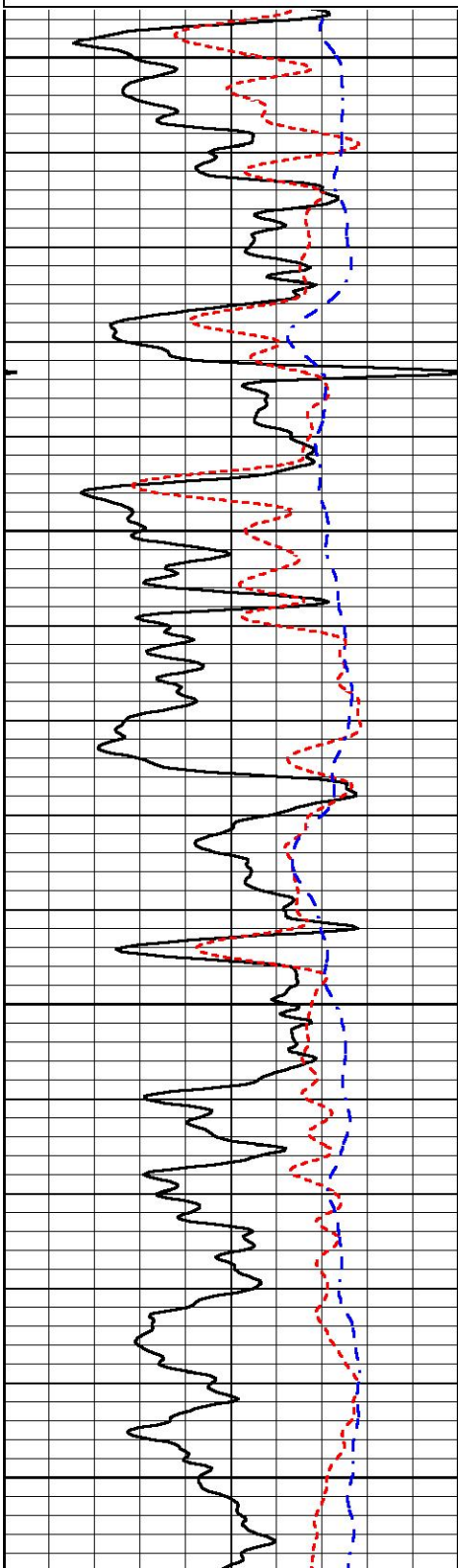
REPEAT SECTION

REPEAT PASS

Database File castle_juenemann a1.db
Dataset Pathname stkml/pass2.1
Presentation Format _dil
Dataset Creation Tue May 14 08:39:24 2024
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
50	RXORT	250
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0

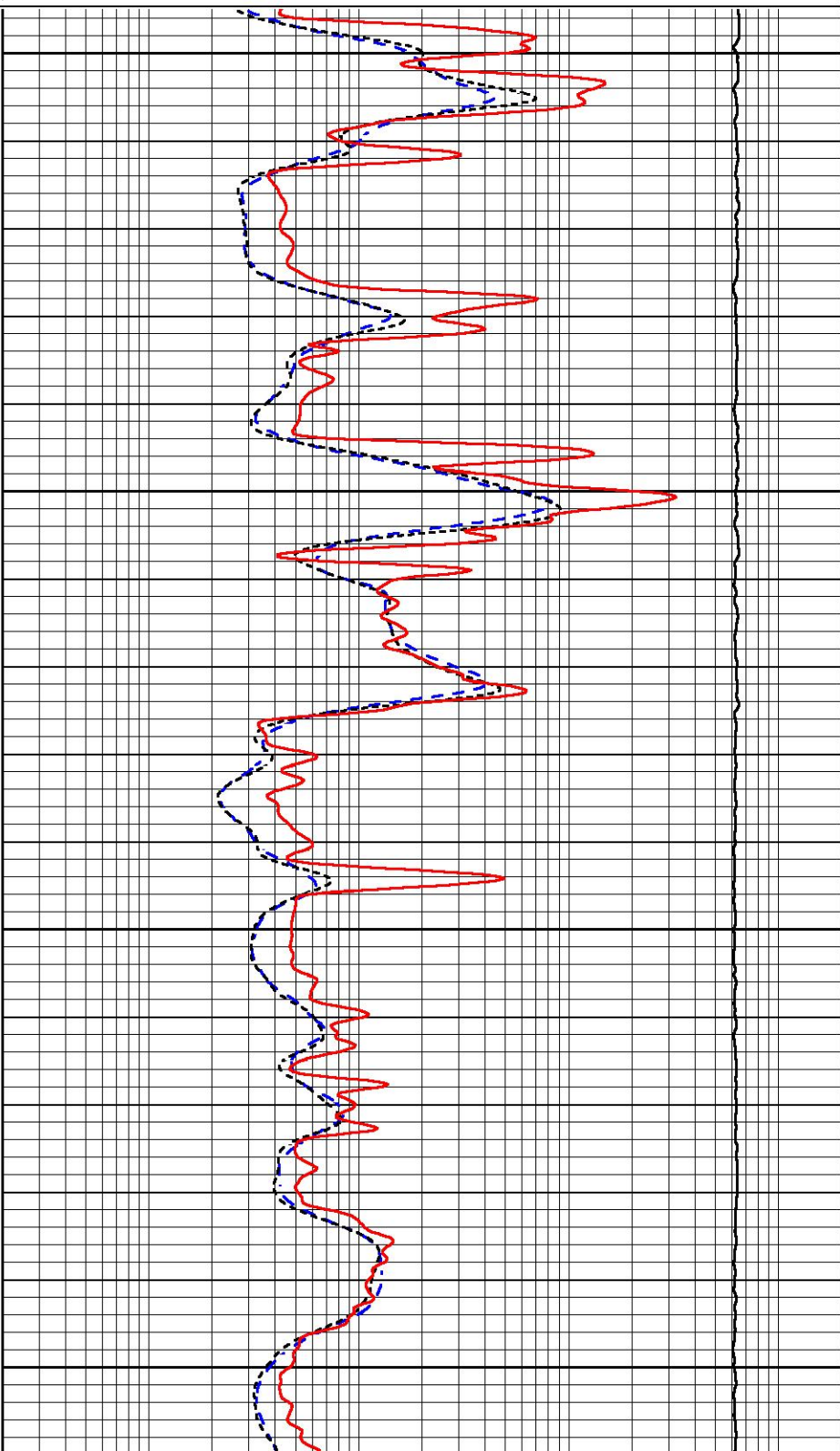


3500

3550

3600

3650



	Density			Far Detector	Near Detector	
Magnesium	1.680	g/cc		5466.68	7555.42	cps
Aluminum	2.580	g/cc		1173.67	5050.86	cps
Spine Angle = 75.33			Density/Spine Ratio = 0.566			
	Size			Reading		
Small Ring	4.00	in		1.17		
Large Ring	14.00	in		1.07		

Compensated Neutron Calibration Report
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Serial Number:	210
Tool Model:	M&W

CALIBRATION					
Detector	Readings		Target		Normalization
Short Space	6240.00	cps	1000.00	cps	1.6025
Long Space	460.00	cps	1000.00	cps	1.9500

Gamma Ray Calibration Report

Serial Number:	105	
Tool Model:	M&W	
Performed:	Sat Oct 21 23:48:19 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps

	Company	Castle Resources, Inc.
	Well	Juenemann A #1
	Field	Dellvale
	County	Norton
	State	Kansas