



DUAL INDUCTION LOG

MIDWEST WIRELINE

Company MG Oil, Inc.		Company MG Oil, Inc.	
Well Lawrence #15		Well Lawrence #15	
Field Wildcat		Field Wildcat	
County Lane		County Lane	
State Kansas		State Kansas	
Location: API #: 15-101-22652-00-00		Other Services	
SEC 15 TWP 16S RGE 28W		CNL/CDL MEL/BHCS	
Permanent Datum	Ground Level	Elevation	2591'
Log Measured From	Kelly Bushing	K.B.	2598'
Drilling Measured From	Kelly Bushing	D.F.	2591'
		G.L.	2591'
Date	6/17/2021		
Run Number	One		
Depth Driller	4498'		
Depth Logger	4497'		
Bottom Logged Interval	4496'		
Top Log Interval	250'		
Casing Driller	8.625" @ 257'		
Casing Logger	256'		
Bit Size	7.875"		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2700		
Density / Viscosity	8.9 55		
pH / Fluid Loss	10.5 7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.75 @ 76		
Rmt @ Meas. Temp	0.56 @ 76		
Rmc @ Meas. Temp	1.01 @ 76		
Source of Rmt / Rmc	CHARTS		
Rm @ BHT	0.47 @ 121		
Operating Rig Time	4.5 Hours		
Max Rec. Temp. F	121 Deg F		
Equipment Number	P-24		
Location	HAYS		
Recorded By	T. Martin		
Witnessed By	Chad Counts		

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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.

Shields, KS, Hwy 4 & Laredo Rd, 4 N to 280, 2 E, S & SE into

Log Measured From: Kelly Bushing

8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Chad Counts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\mg oil_lawrence #15.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	121	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	420	100		4497

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

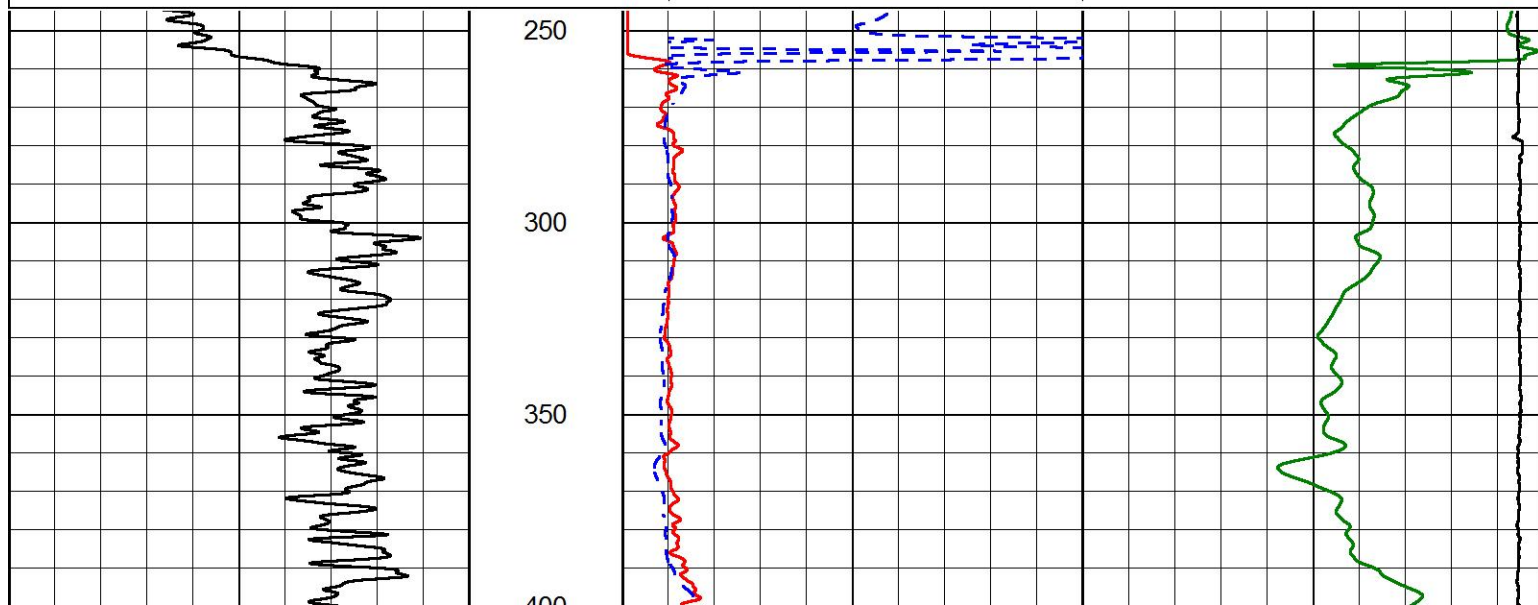


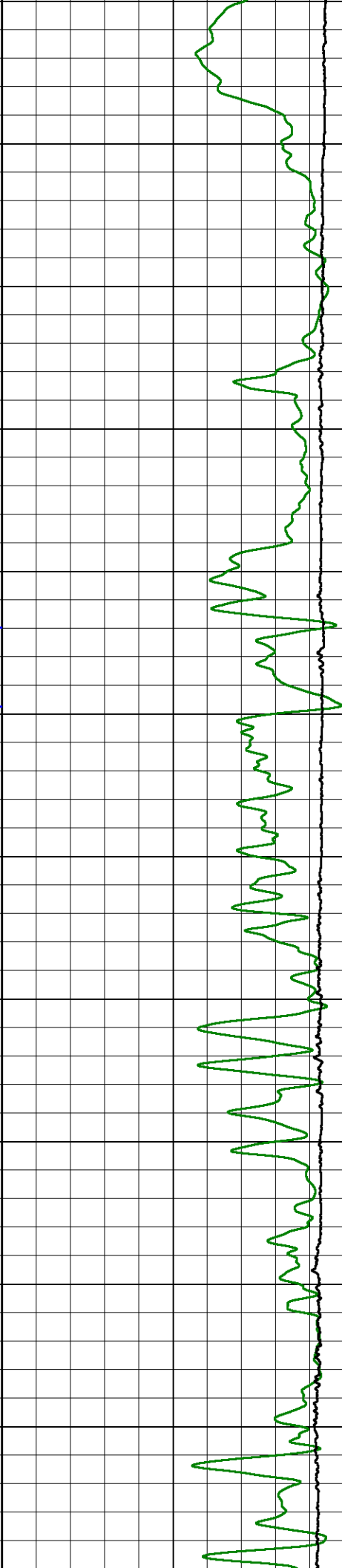
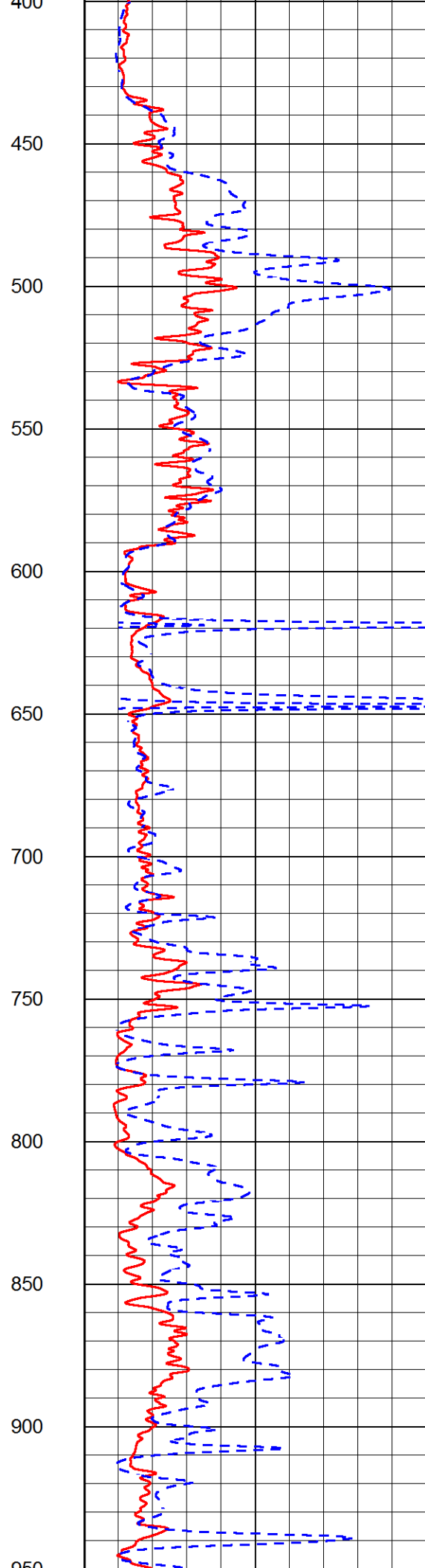
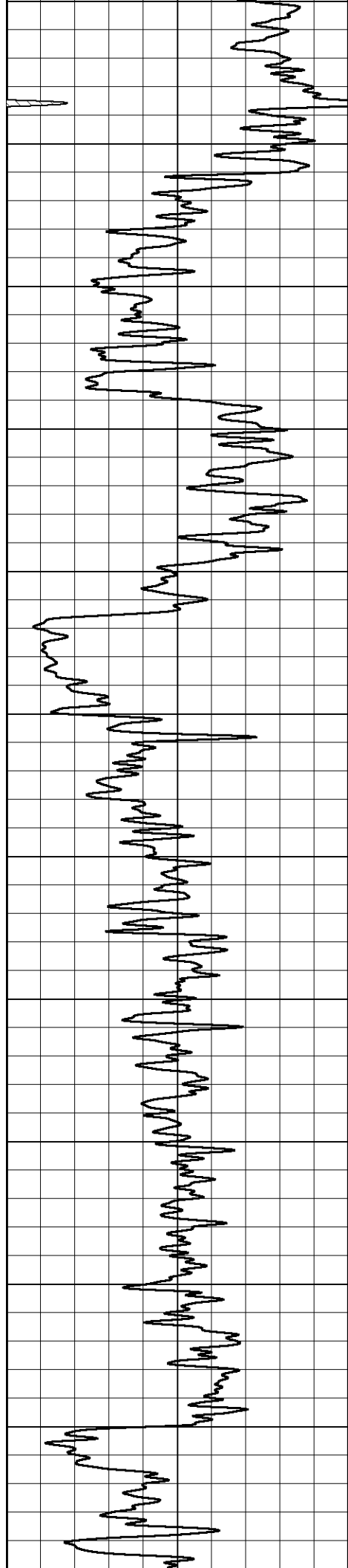
2" SCALE RESISTIVITY

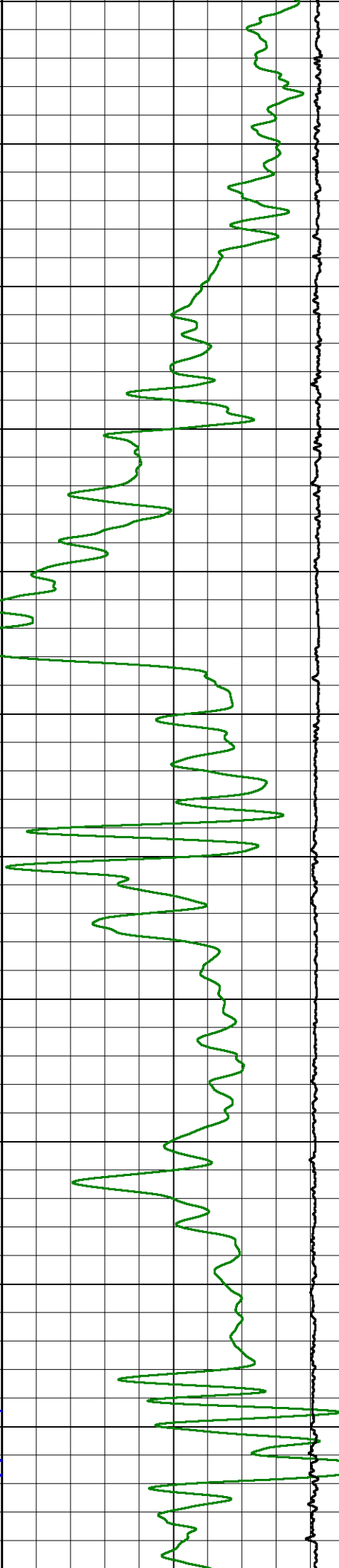
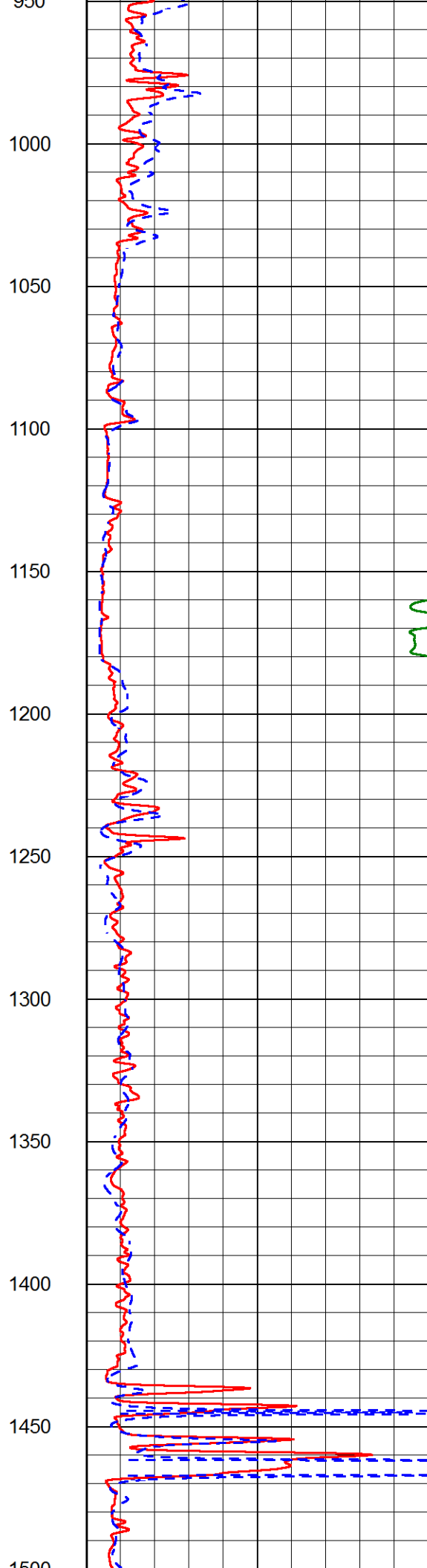
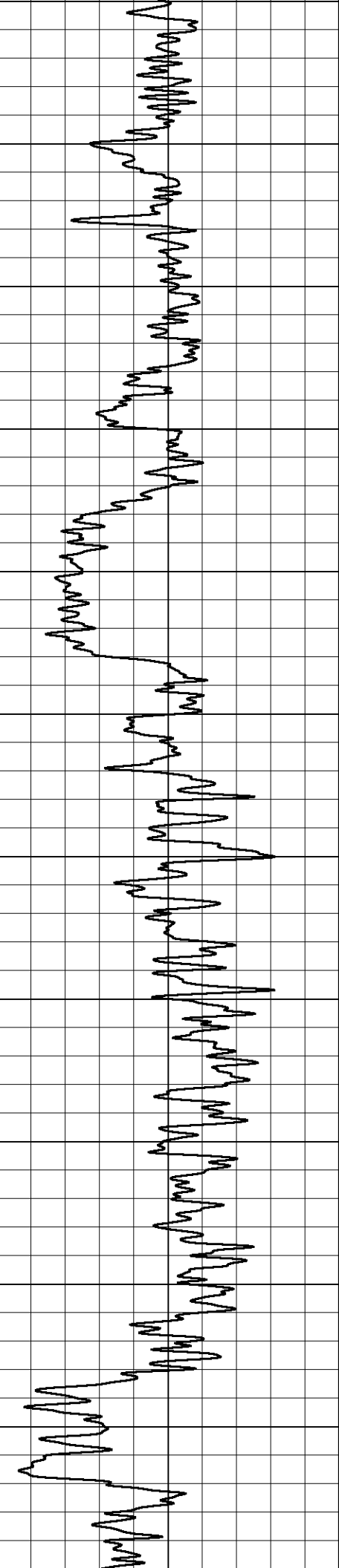
MAIN PASS

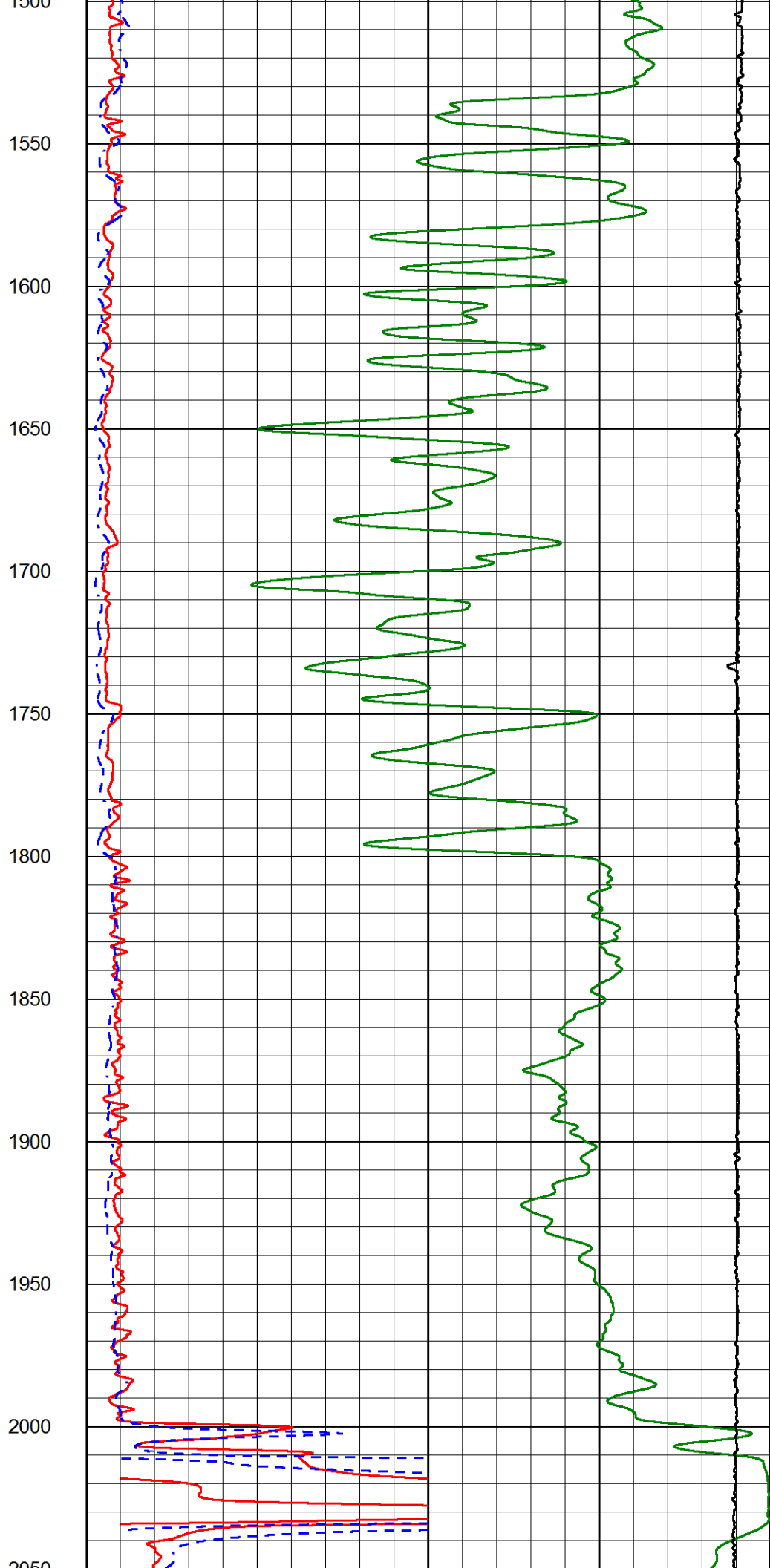
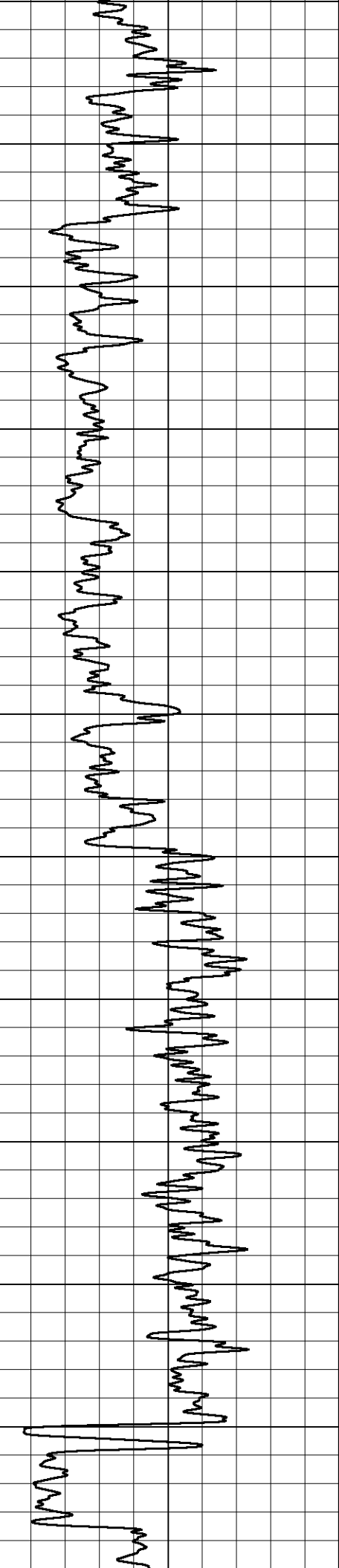
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Presentation Format _dil2in
Dataset Creation Thu Jun 17 15:05:45 2021
Charted by Depth in Feet scaled 1:600

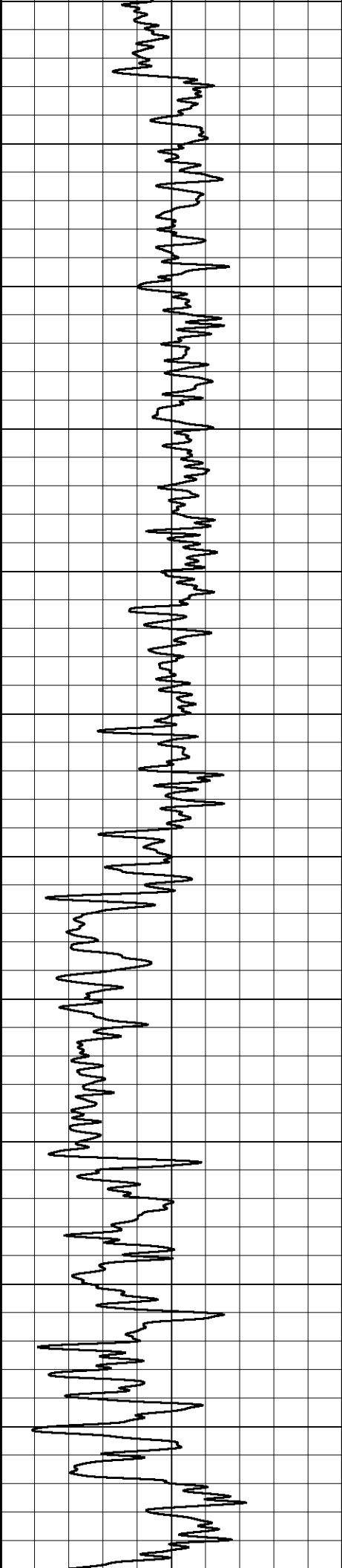
0	(GAPI)	150	1000	CONDUCTIVITY (mmho/m)	0
			15000	Line Tension (lb)	0
			0	RLL3 (Ohm-m)	50
			0	RILD (Ohm-m)	50
			50	RLL3 (Ohm-m)	100
			50	Deep Resistivity (Ohm-m)	200



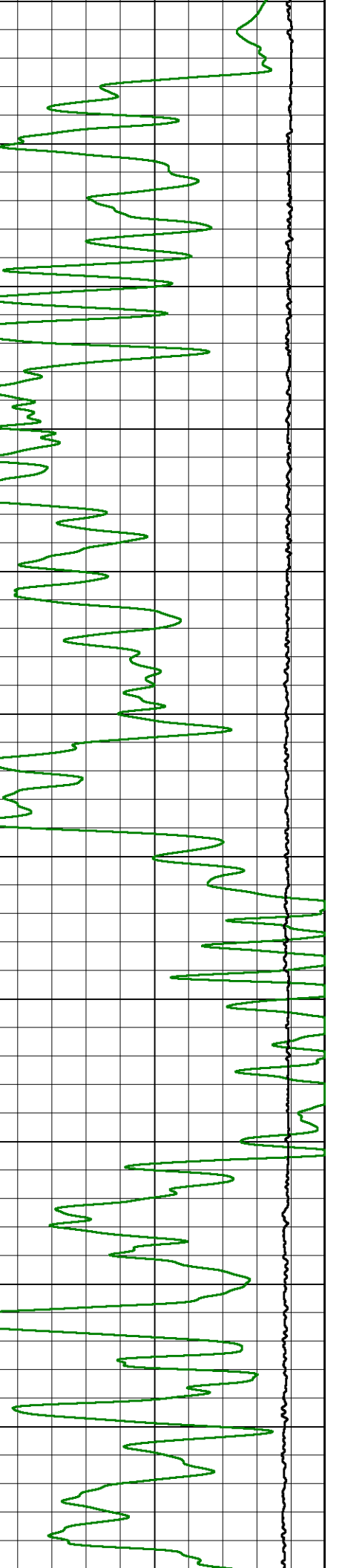
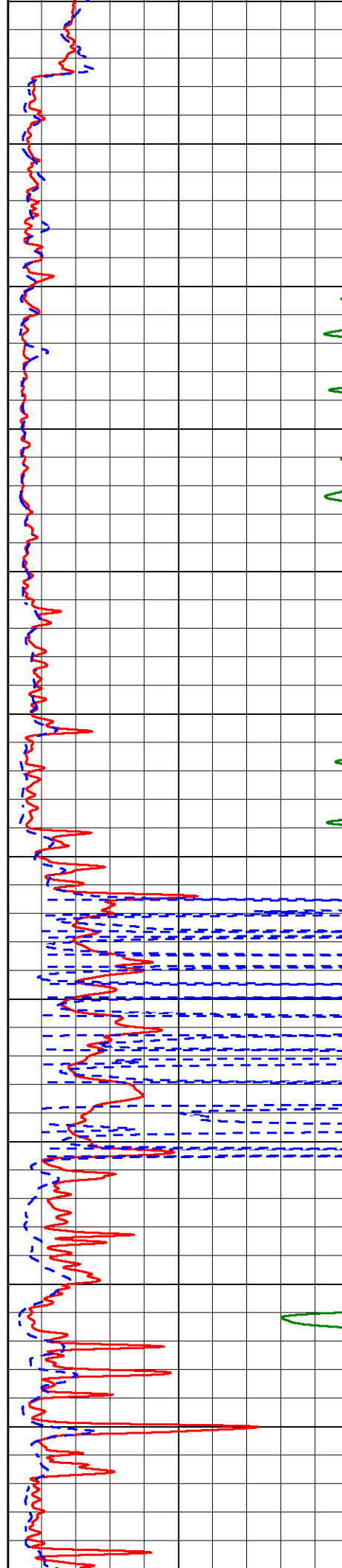


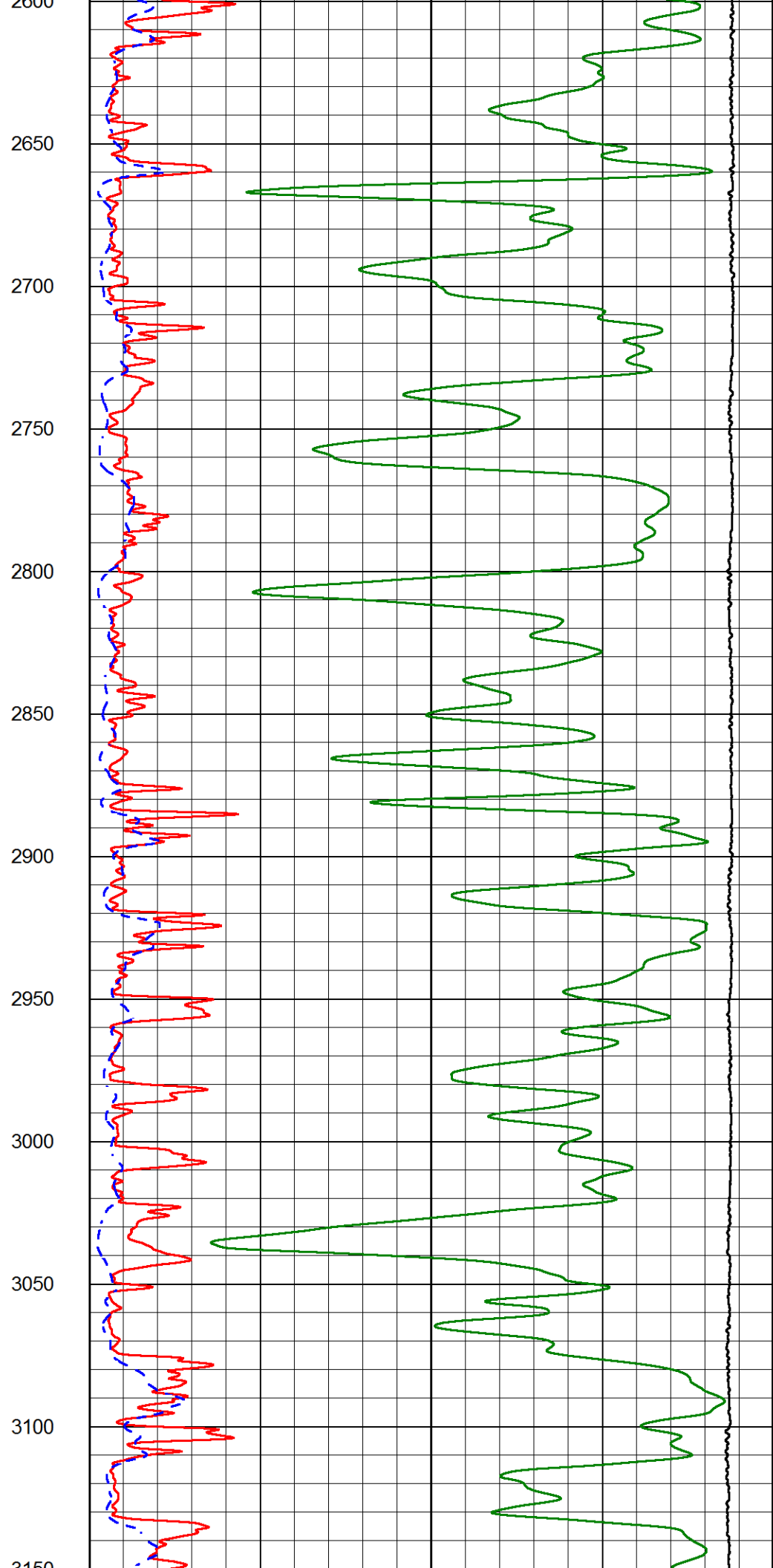
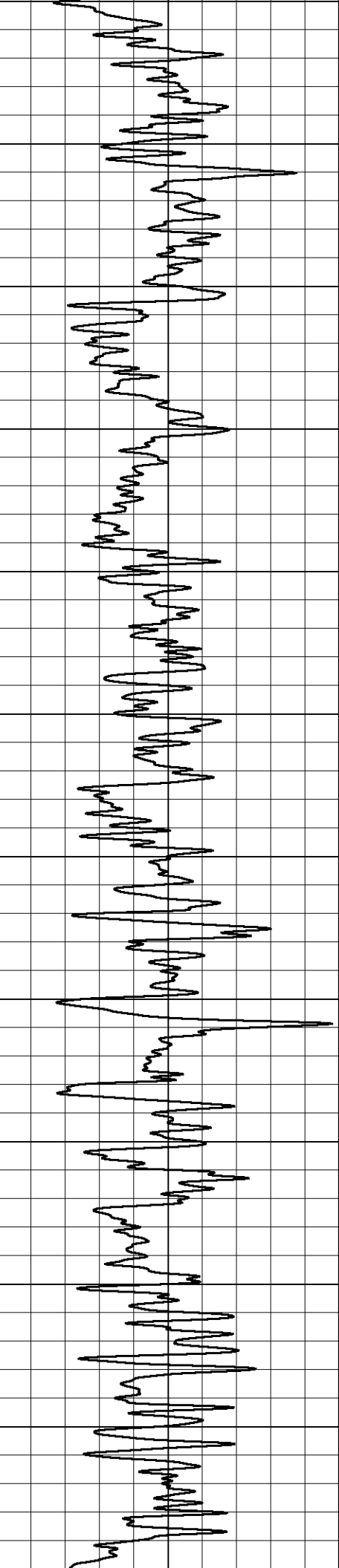


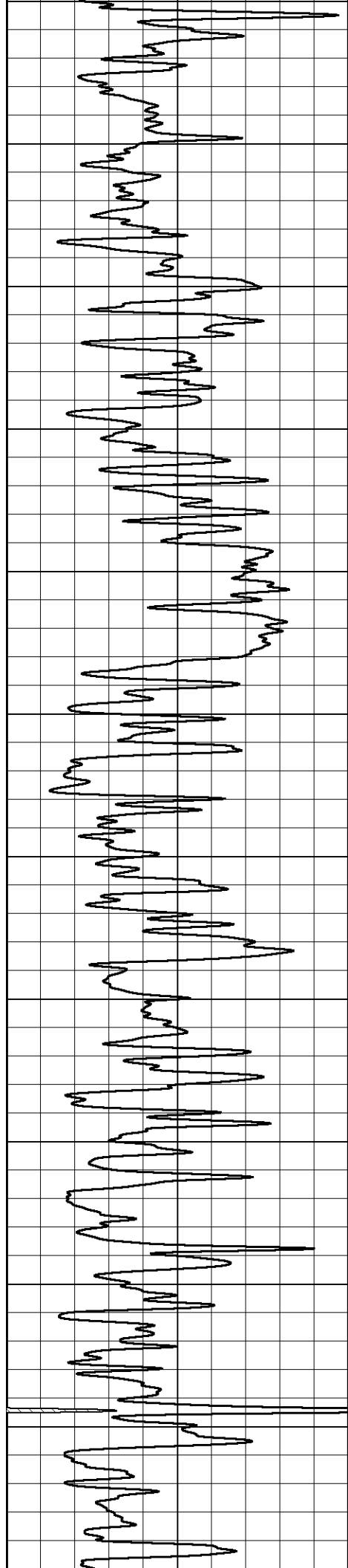




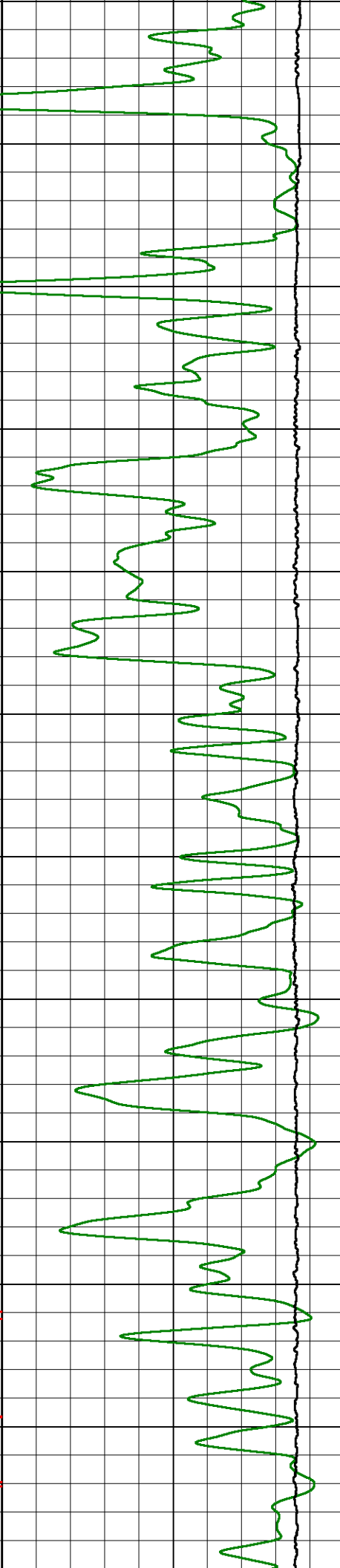
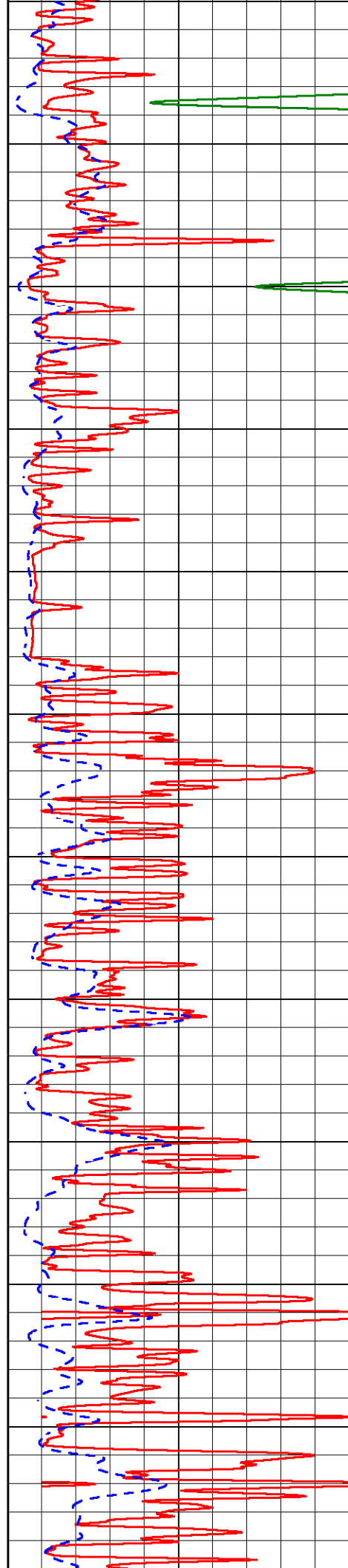
2030
2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600

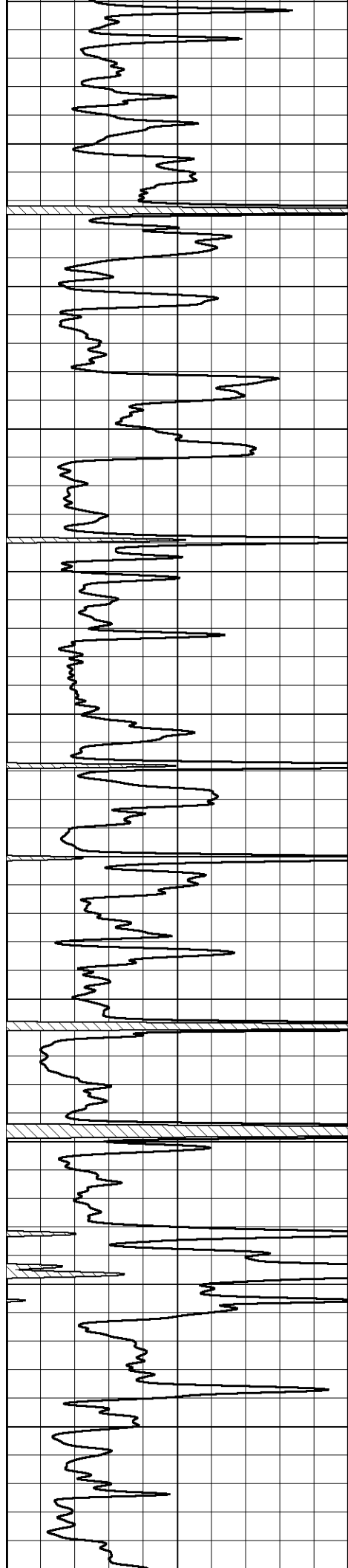




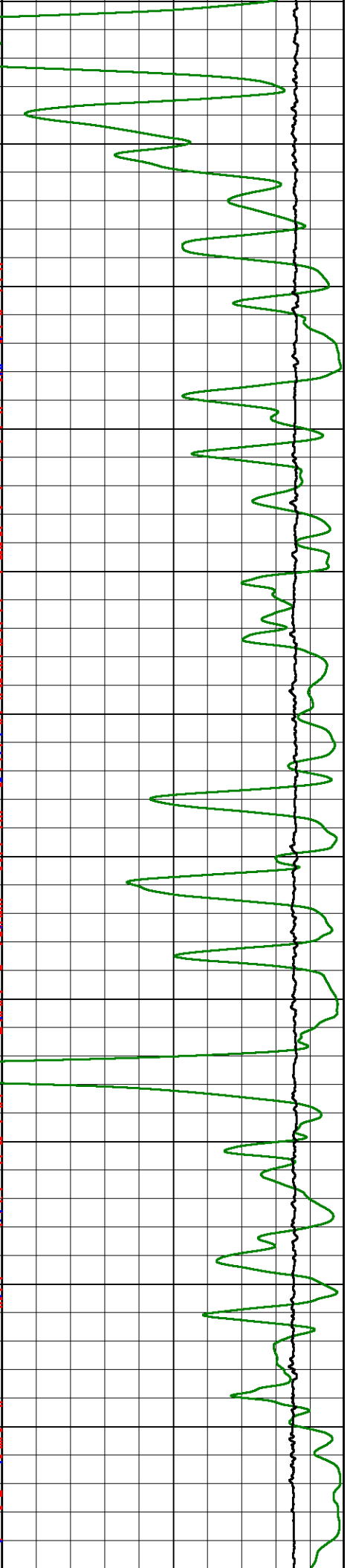
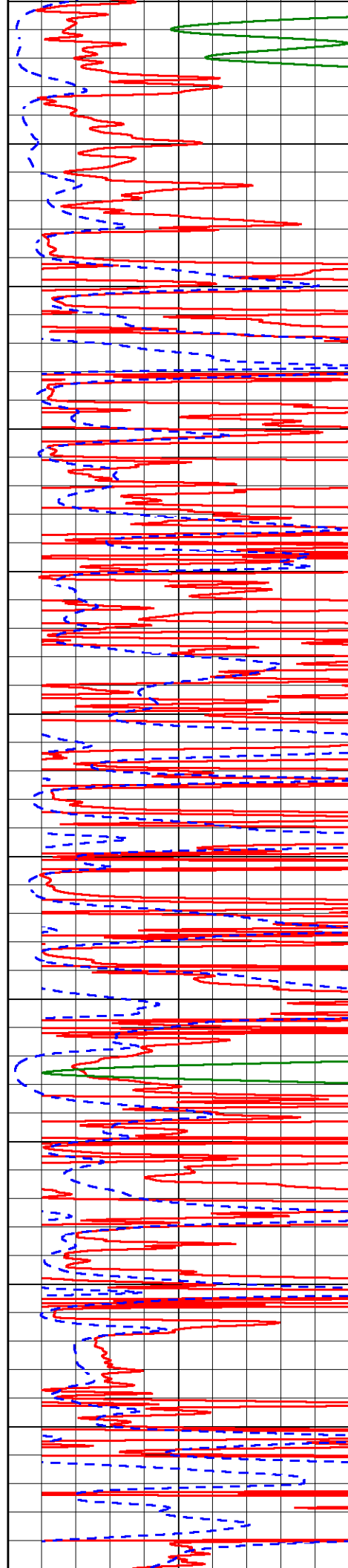


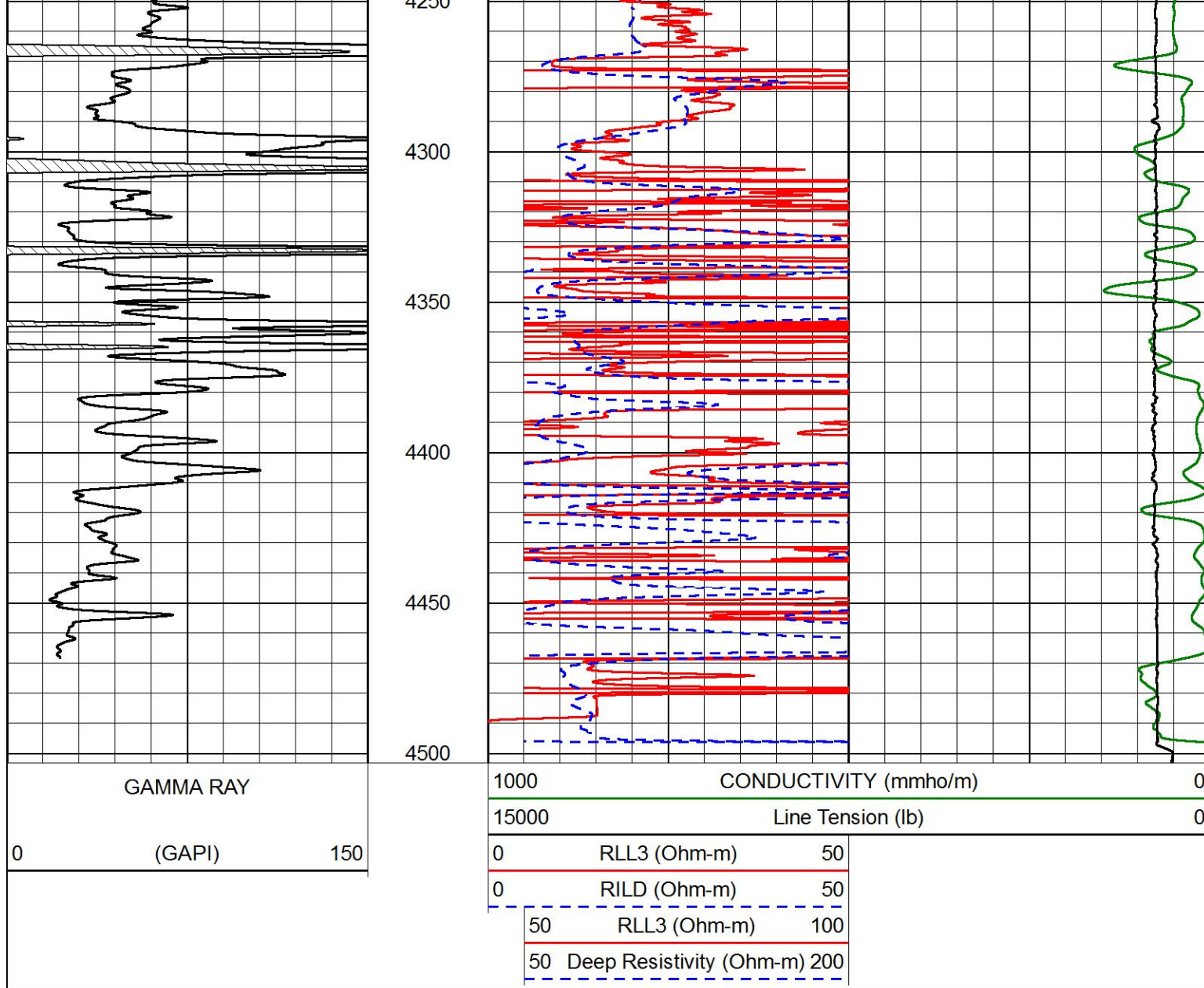
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700





3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250





MIDWEST WIRELINE

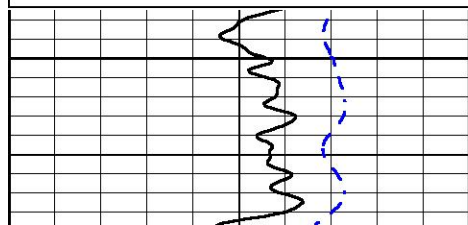
ANHYDRITE SECTION

MAIN PASS

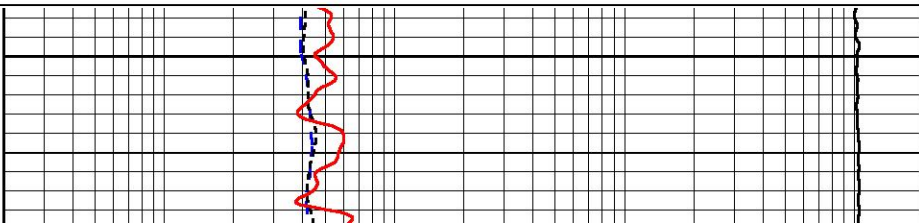
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Charted by Depth in Feet scaled 1:240

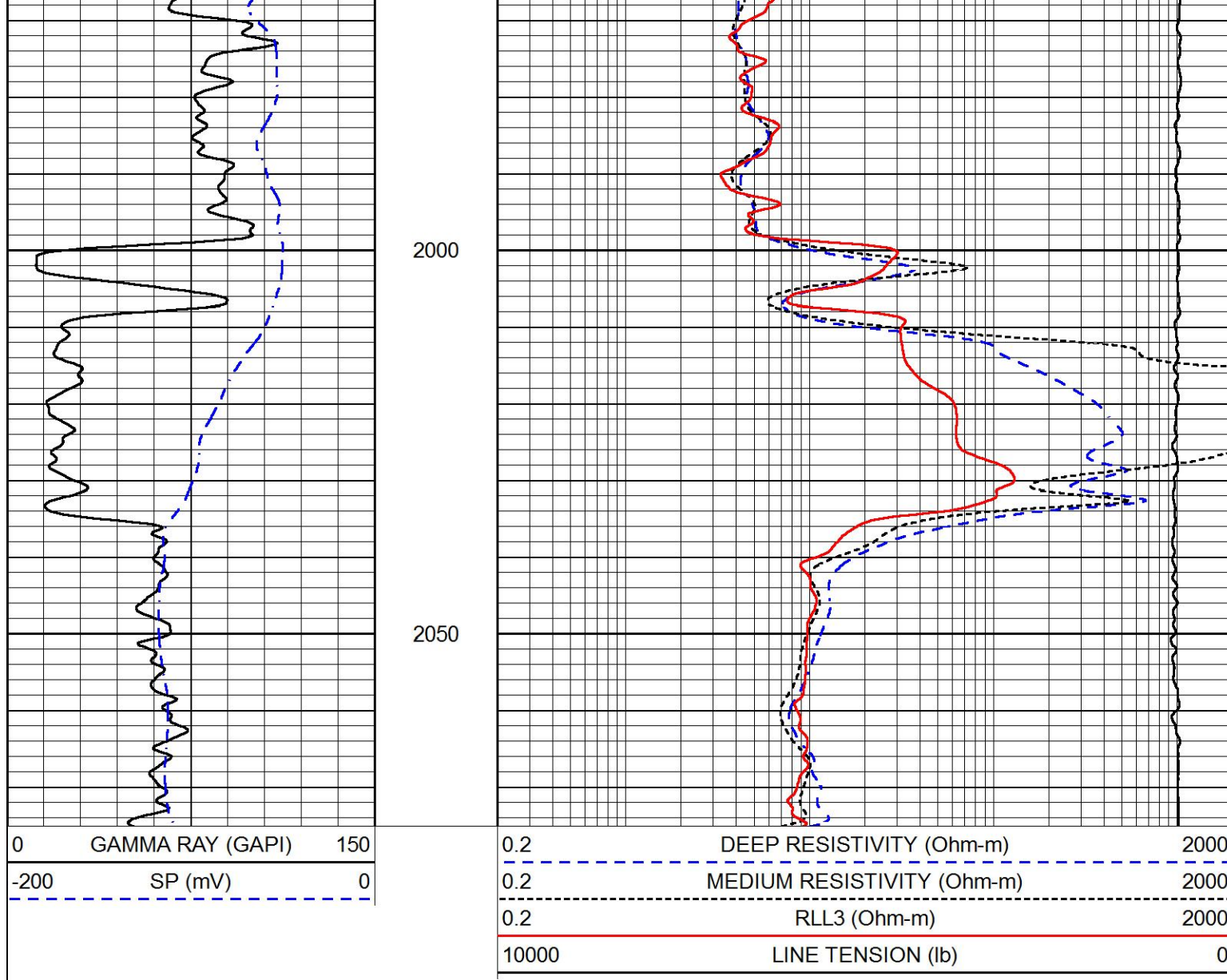
0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0

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



1950



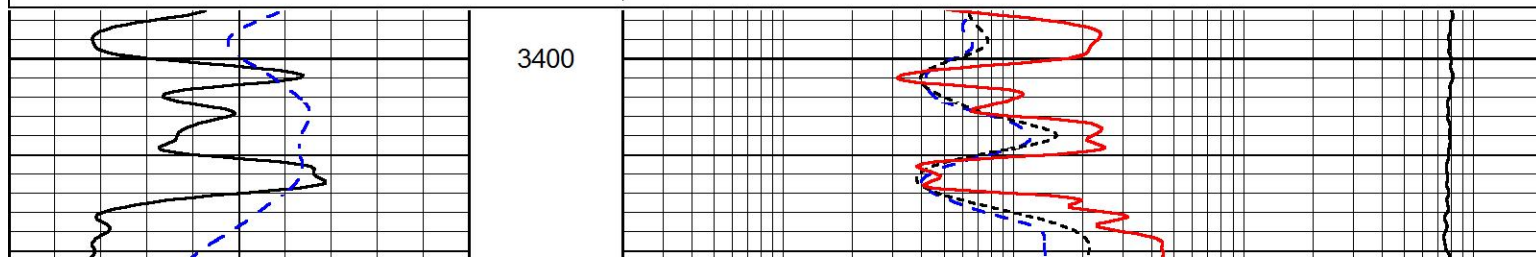


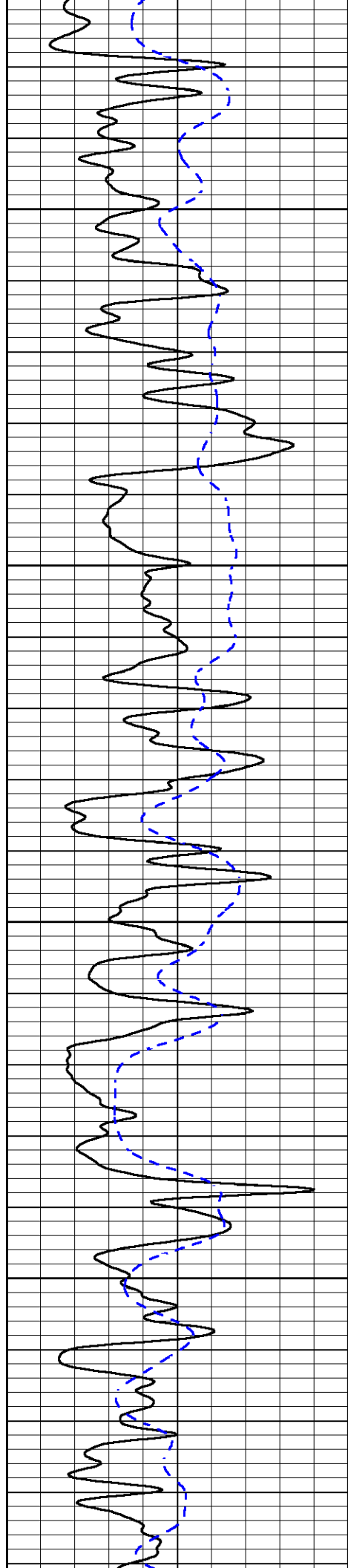
MIDWEST WIRELINE

MAIN LOG

ZERO PSI APPLIED AT SURFACE

Database File mg oil_lawrence #15.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _dil
 Dataset Creation Thu Jun 17 15:05:56 2021
 Charted by Depth in Feet scaled 1:240



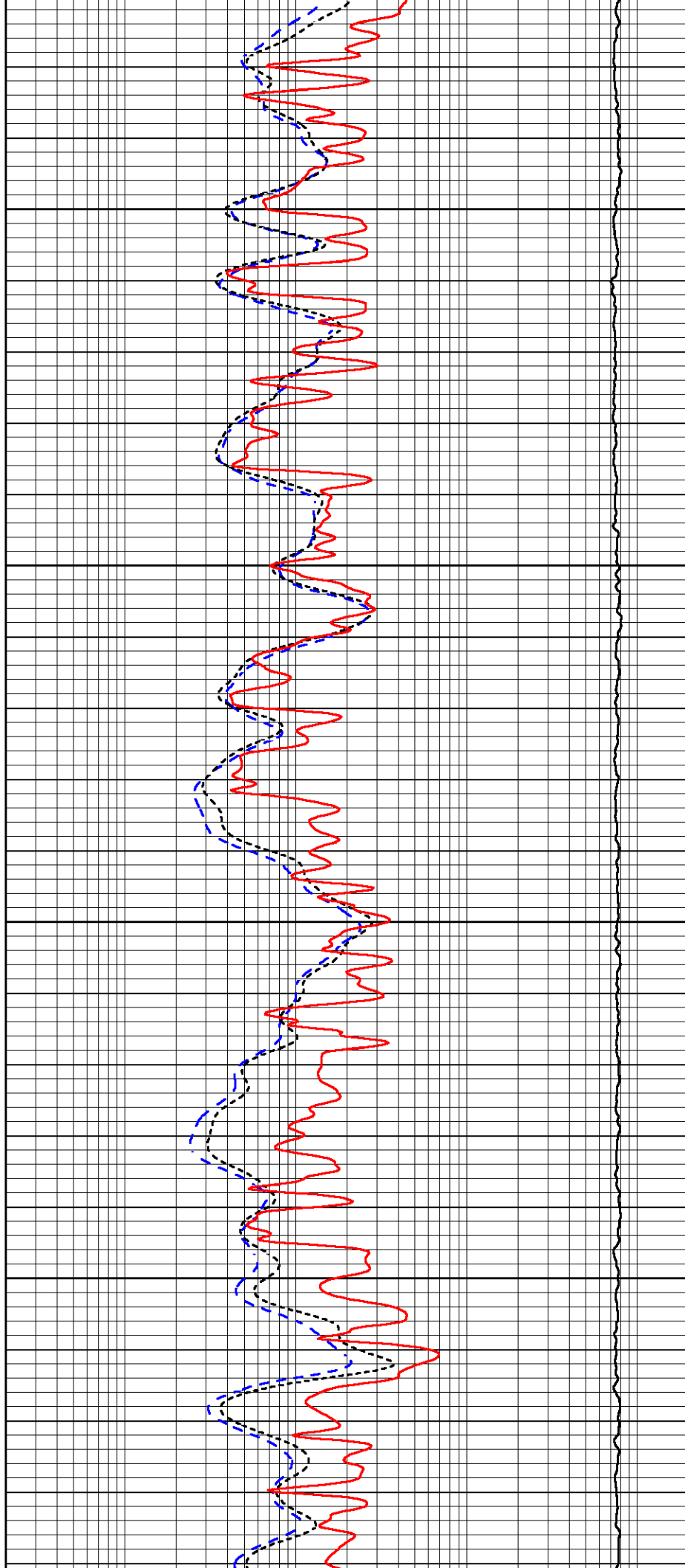


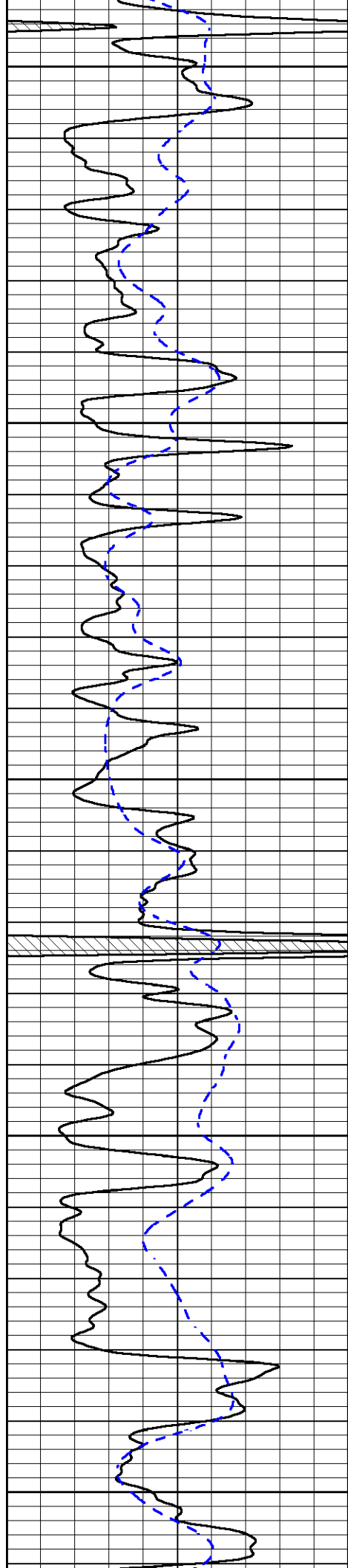
3450

3500

3550

3600





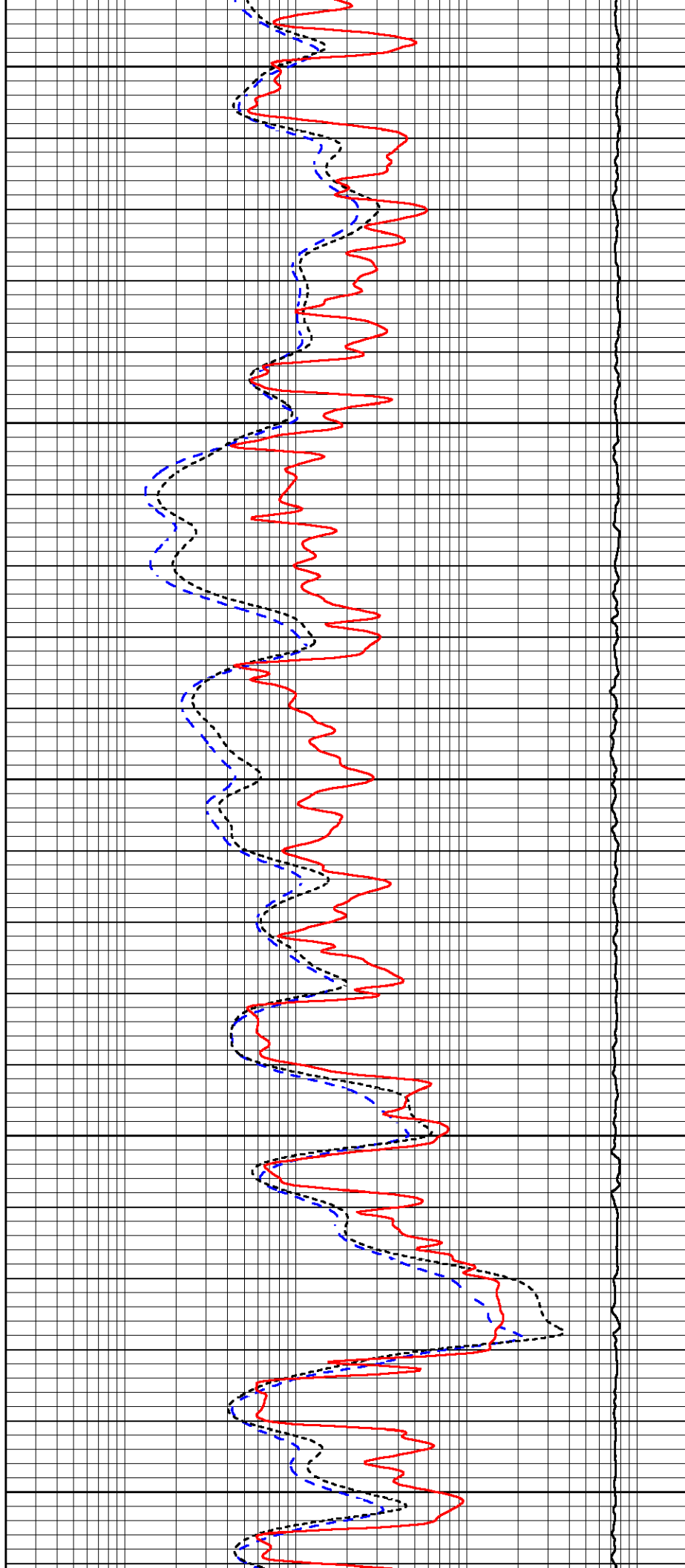
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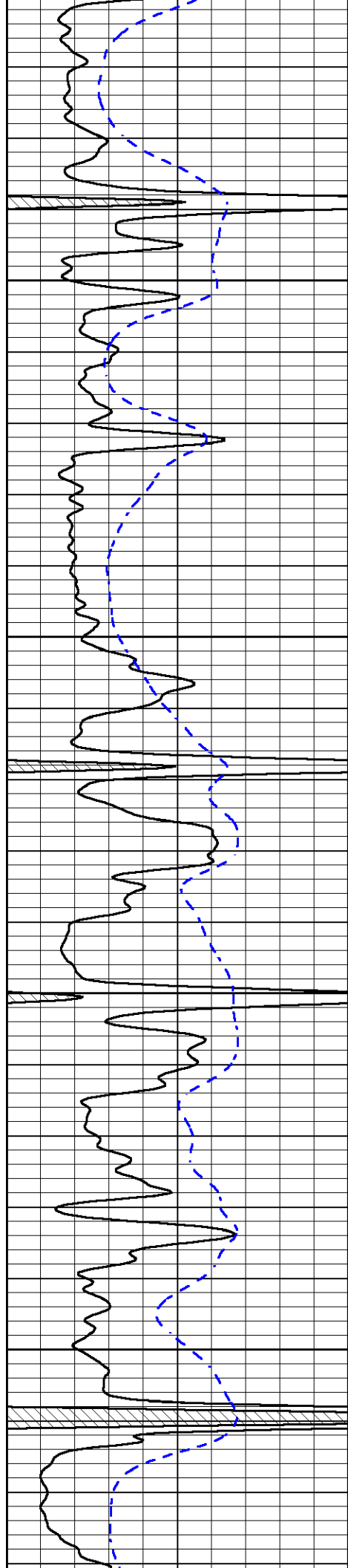
3700

3750

3800

3850



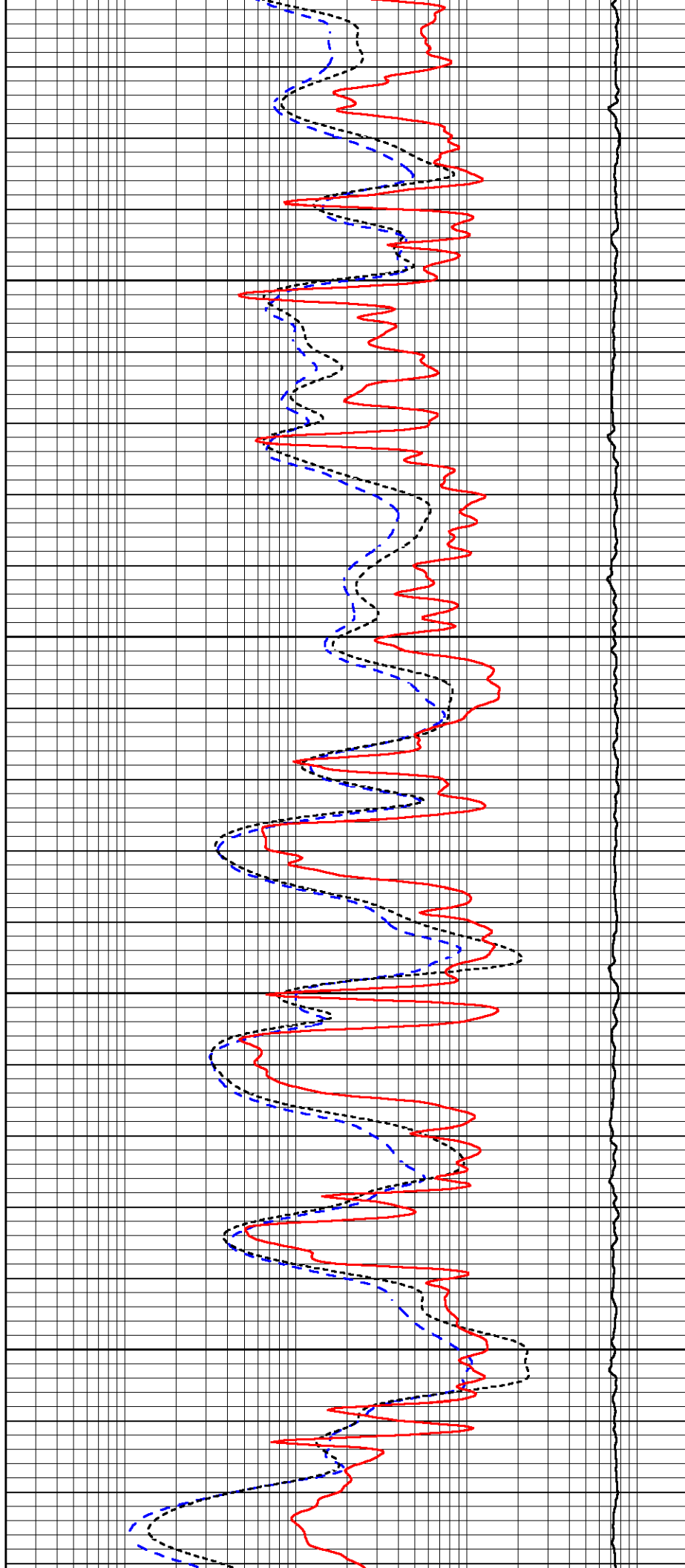


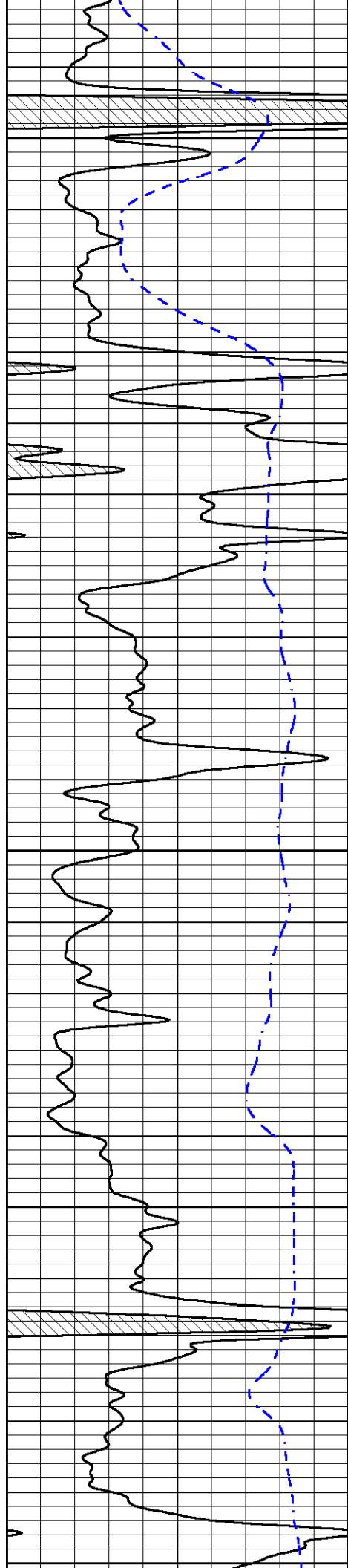
3900

3950

4000

4050





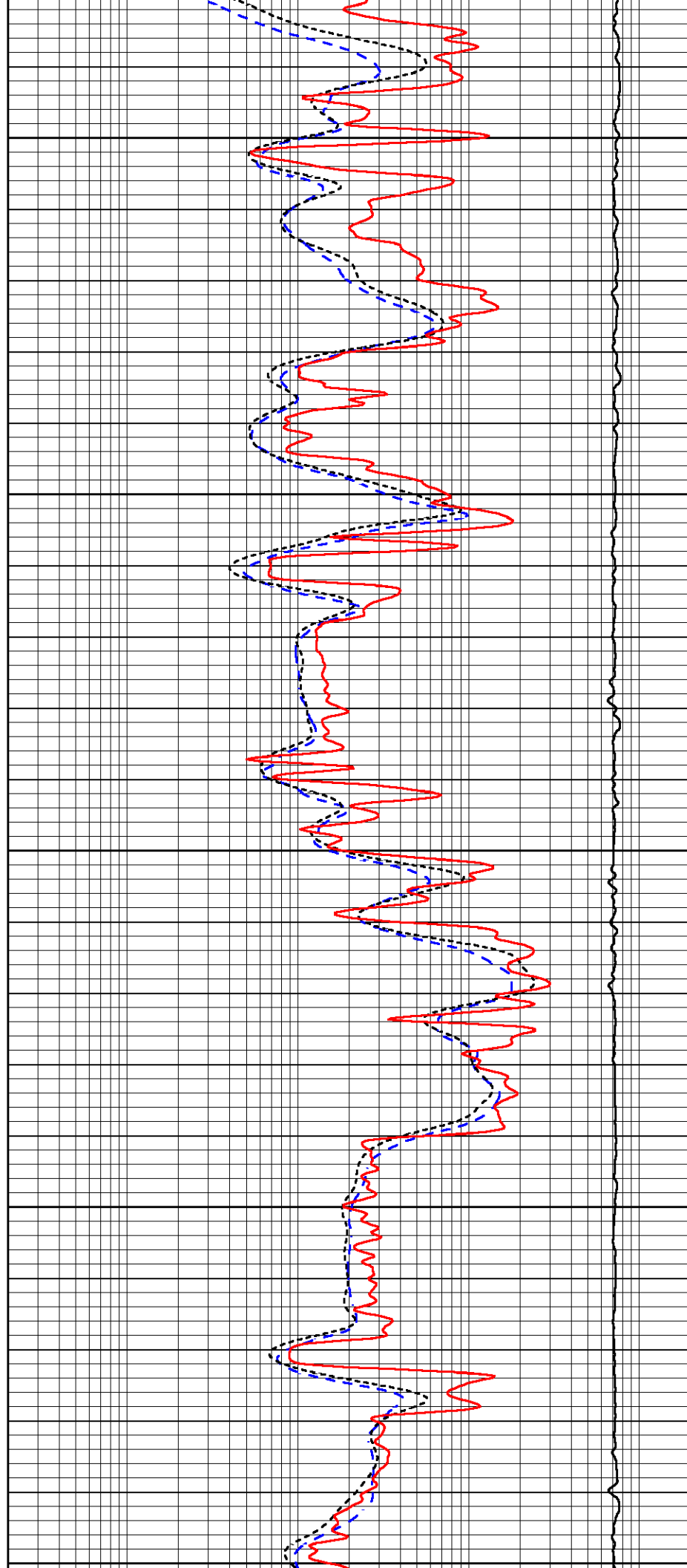
4100

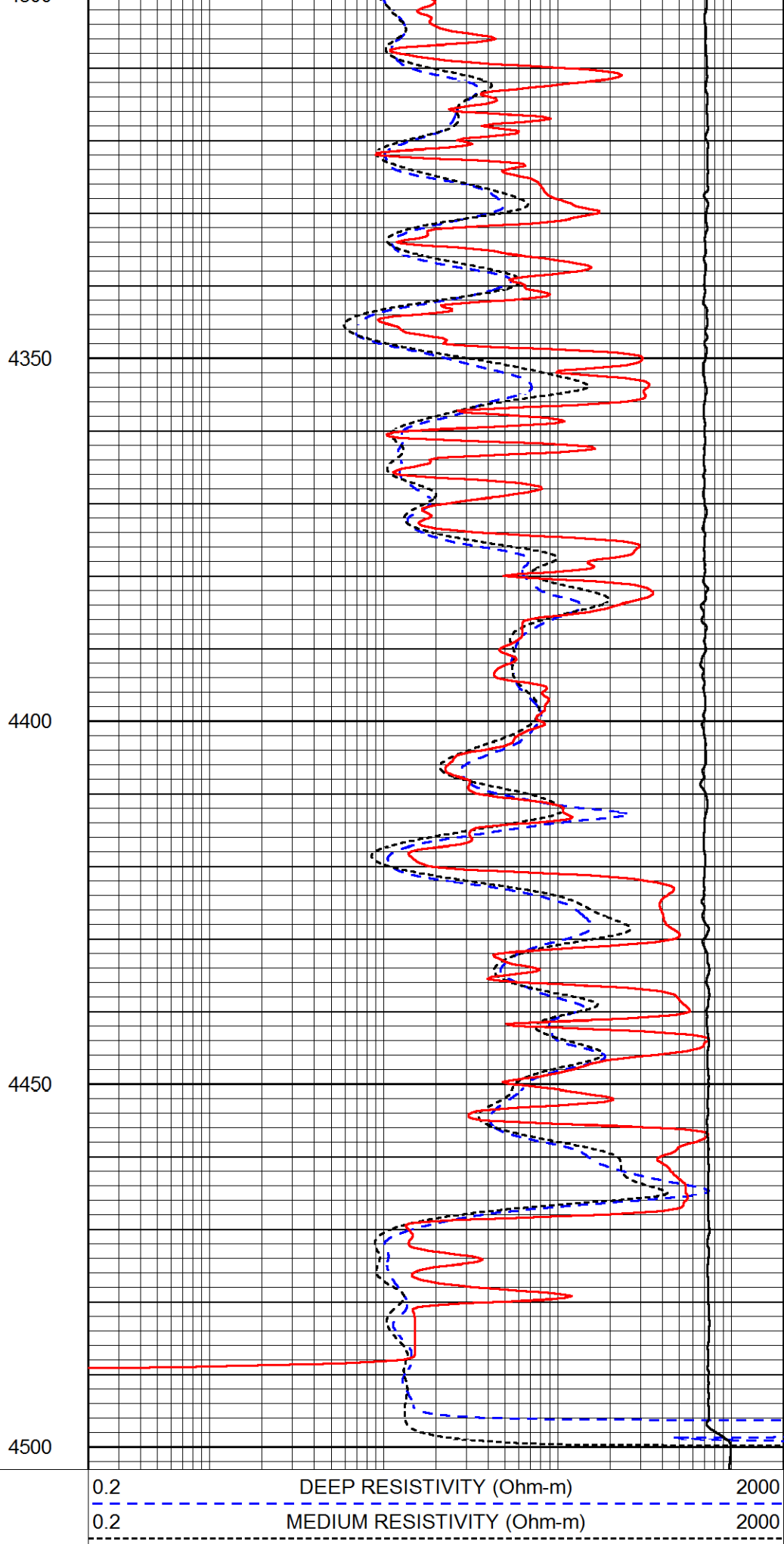
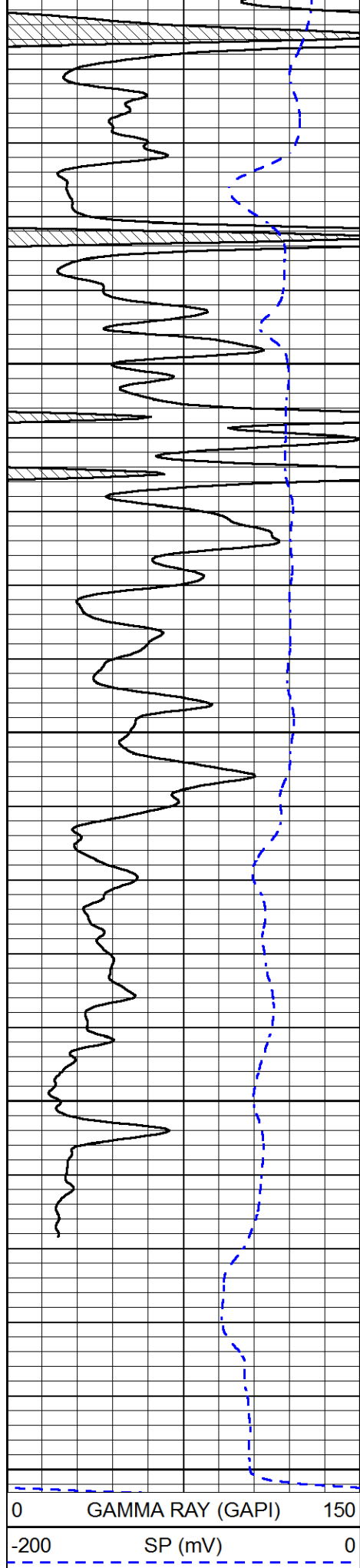
4150

4200

4250

4300







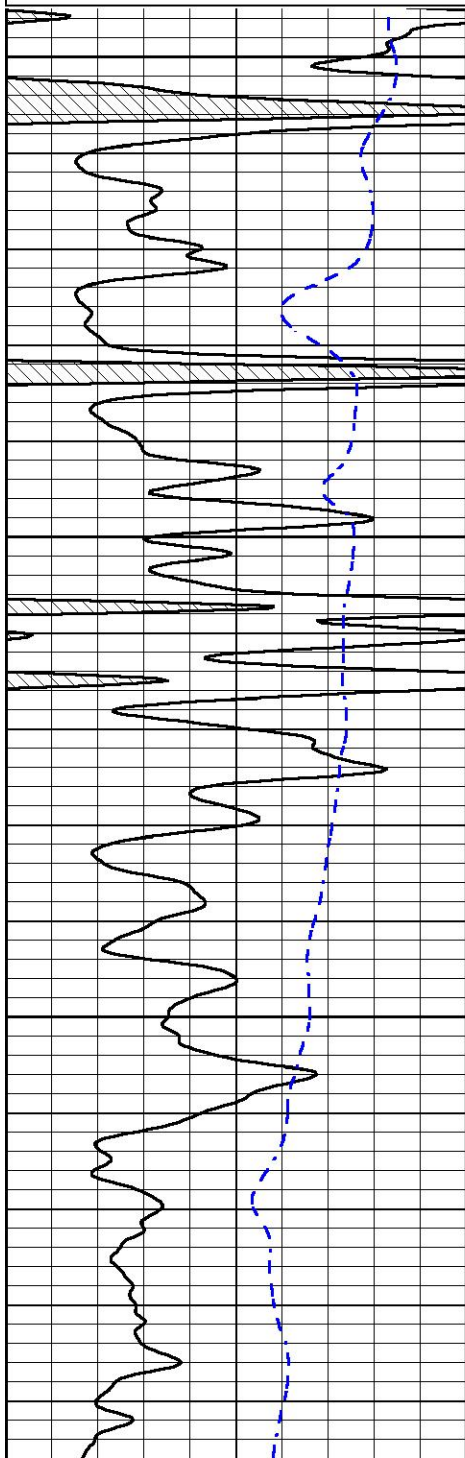
REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

Database File mg oil_lawrence #15.db
Dataset Pathname Stack/pass2.1
Presentation Format _dil
Dataset Creation Thu Jun 17 14:22:17 2021
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

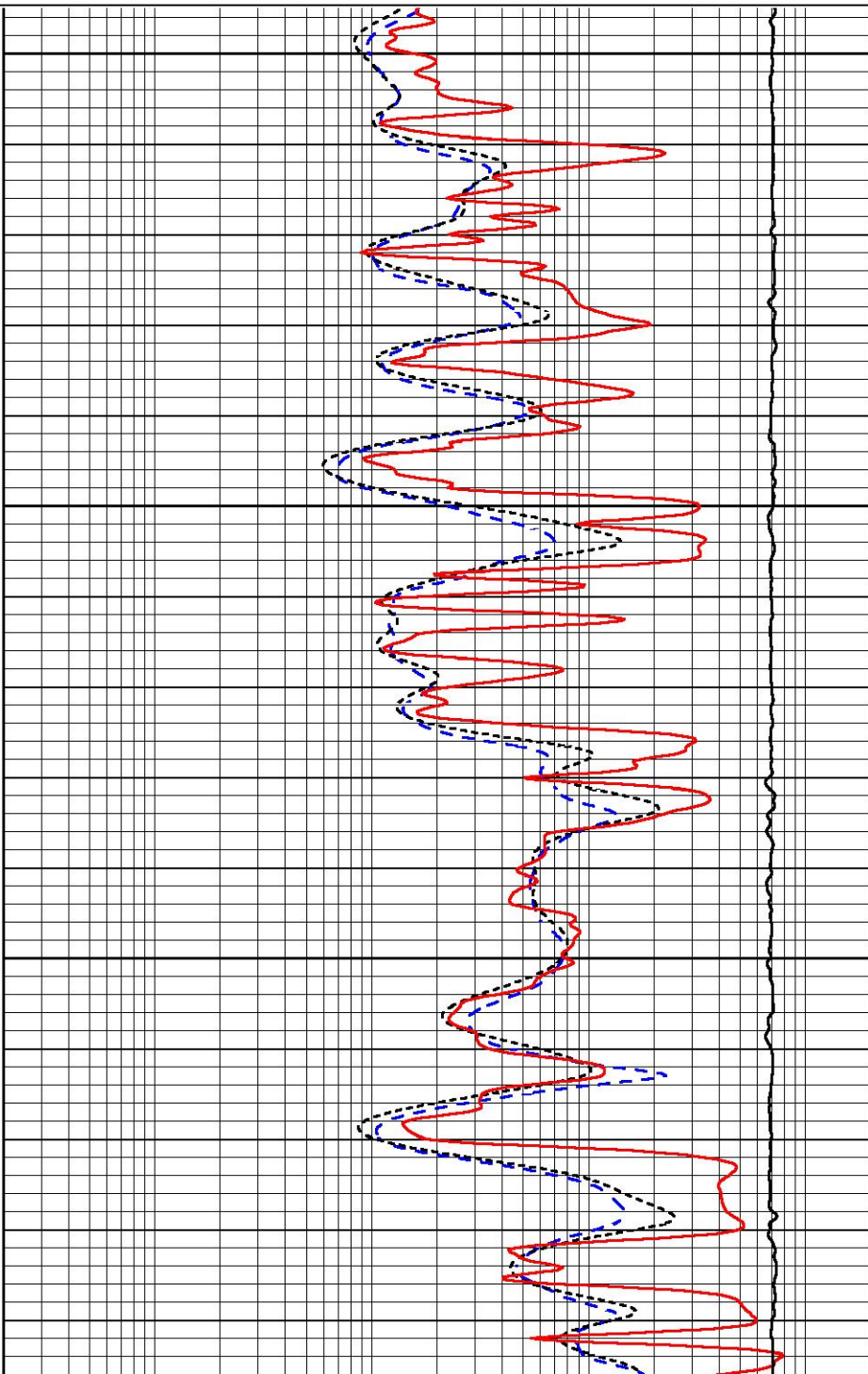
0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

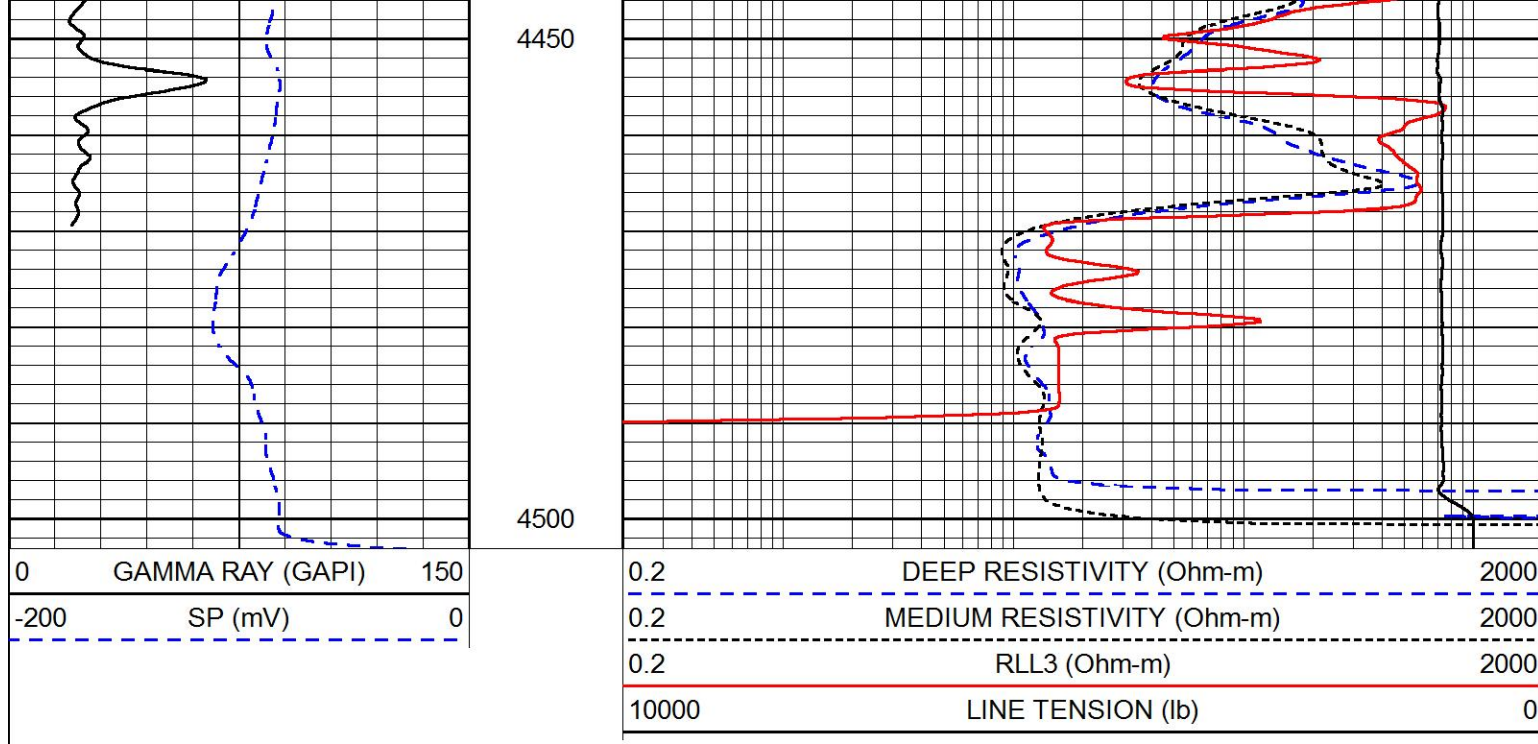


4300

4350

4400





Company	MG Oil, Inc.
Well	Lawrence #15
Field	Wildcat
County	Lane
State	Kansas