



MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Thomas Garner, Inc.				
Well	Petty-Christie Unit #1			
Field	Unknown			
County	Stafford			
State	Kansas			
Location: API #: 15-185-24083-00-00				
SEC 22 TWP 25S RGE 13WJ				
Permanent Datum	Ground Level	Elevation	1927'	Other Services
Log Measured From	Kelly Bushing			CNL/CDL
Drilling Measured From	Kelly Bushing			MEL/BHCS
Date	7/30/2021			
Run Number	One			
Depth Driller	4335'			
Depth Logger	4330'			
Bottom Logged Interval	4329'			
Top Log Interval	350'			
Casing Driller	8.625" @ 370'			
Casing Logger	366'			
Bit Size	7.875"			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	10,500			
Density / Viscosity	9.4	58		
pH / Fluid Loss	9.5	11.2		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.30 @ 70			
Rmt @ Meas. Temp	.23 @ 70			
Rmc @ Meas. Temp	.41 @ 70			
Source of Rmt / Rmc	CHARTS			
Rm @ BHT	.18 @ 119			
Operating Rig Time	4 hours			
Max Rec. Temp. F	119 Deg/F			
Equipment Number	P-108			
Location	HAYS			
Recorded By	J. Henrickson			
Witnessed By	Jim Musgrove			

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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.

St. John Kansas
South to 60 Rd, 1 East, South 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: J. Henrickson
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jim Musgrove
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 117	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m -5	mmho/m 0	mV 665	degF 98	Off	ft 4330

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	33.00			GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC	29.90			CNT-M&W (10-PSI)	5.50	3.50	100.00
CNSSC	29.15						
LSD	20.85			CDL-M&W (915-956)	8.50	4.00	250.00
	20.83						
	20.35						
DCAL							
SSD							
RLL3F	15.80						
RLL3	15.80						
CILD	8.00			DIL-PSI HIGH TEMP (959-1032)	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: garner_petty_christie_unit_1.db: field/well/stack/pass4.1
Total length: 35.50 ft
Total weight: 620.00 lb
O.D.: 4.00 in



MIDWEST WIRELINE

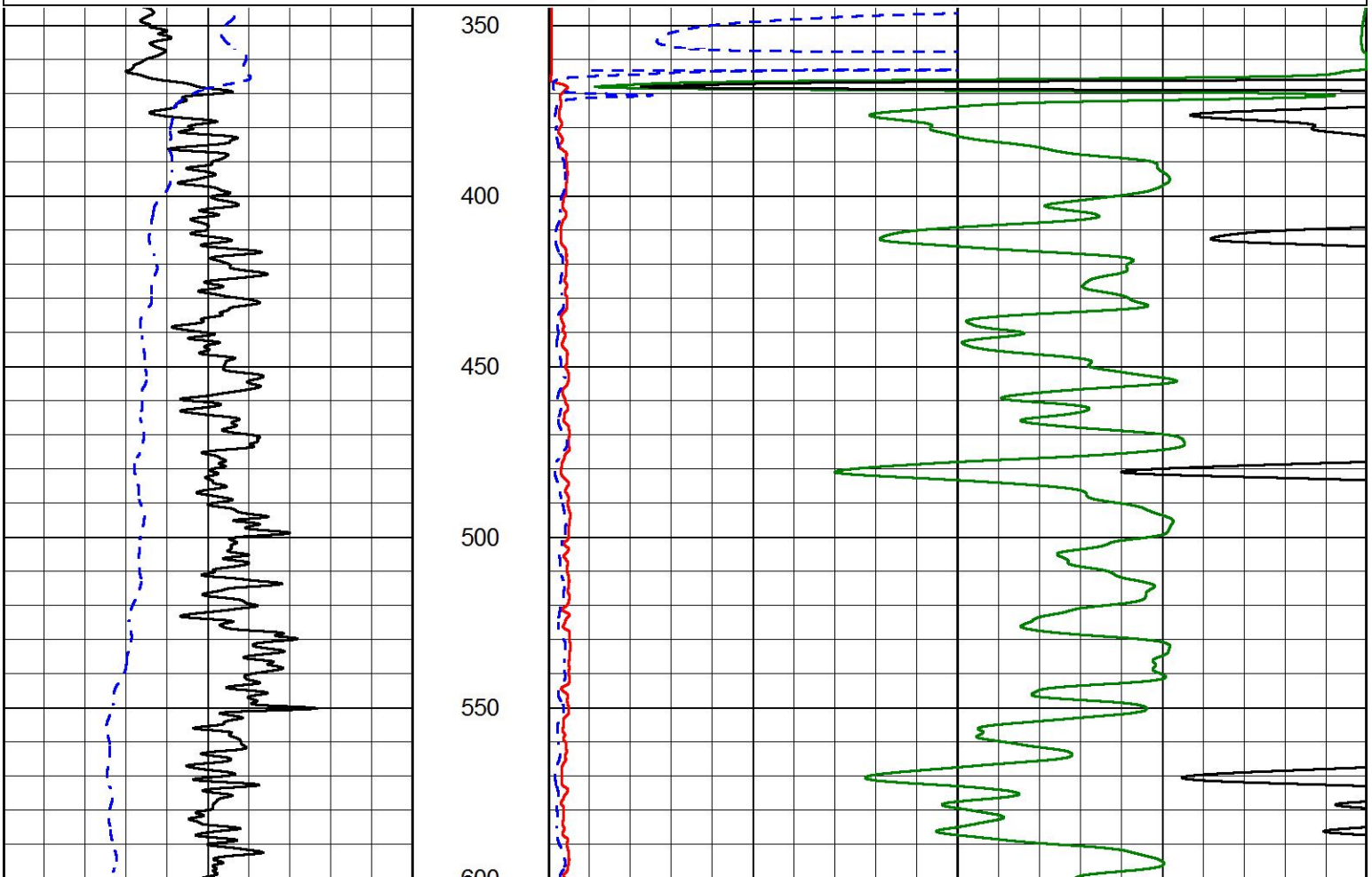
2" SCALE RESISTIVITY

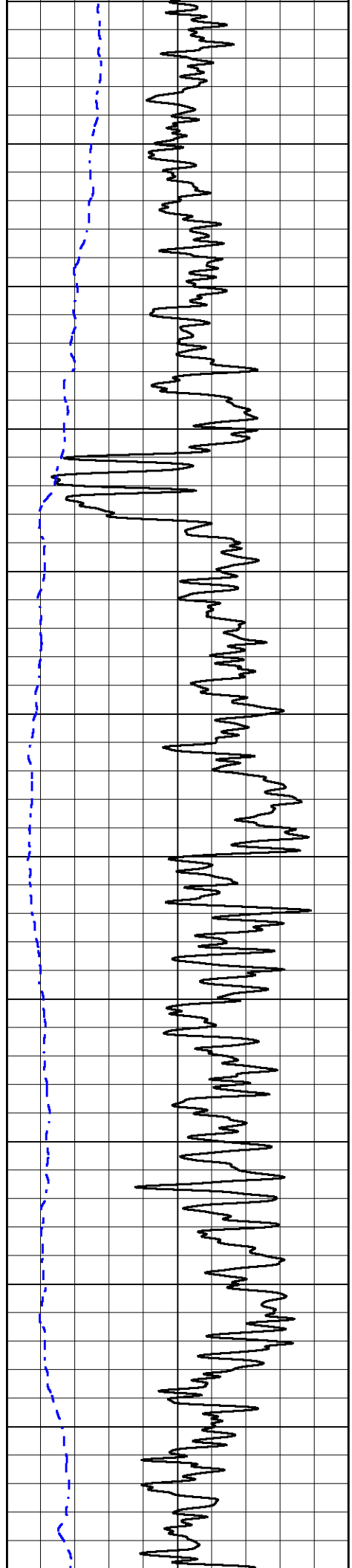
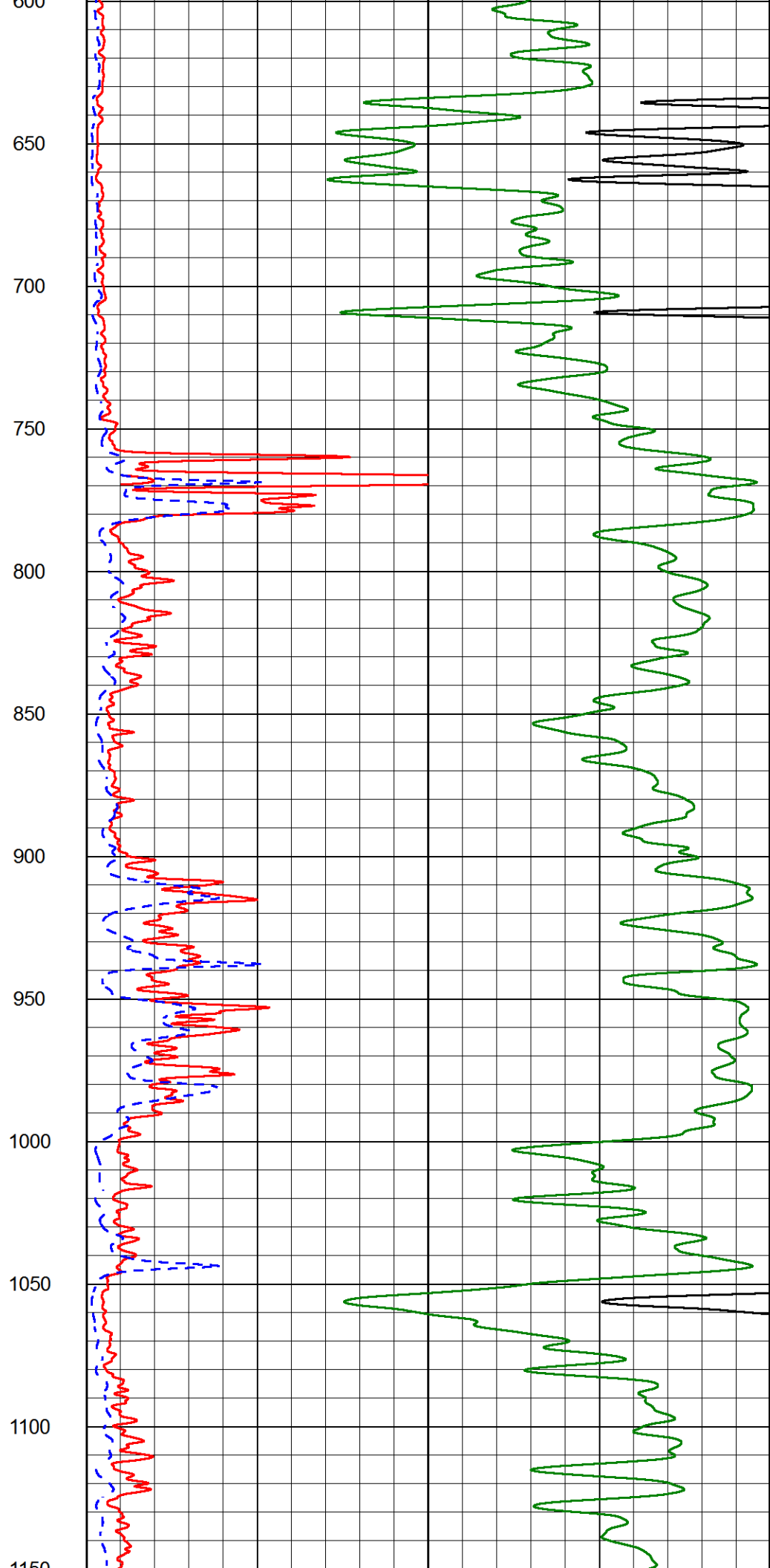
MAIN PASS

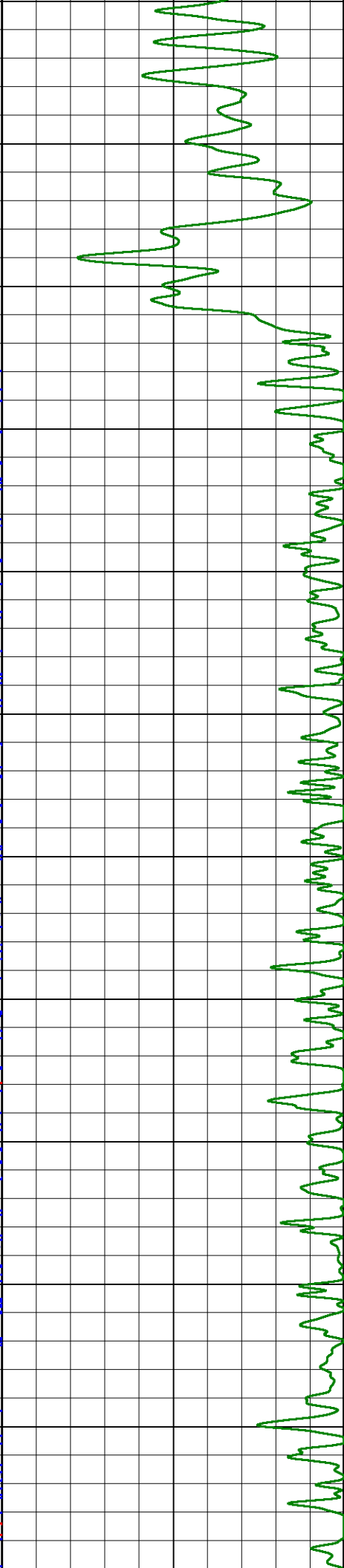
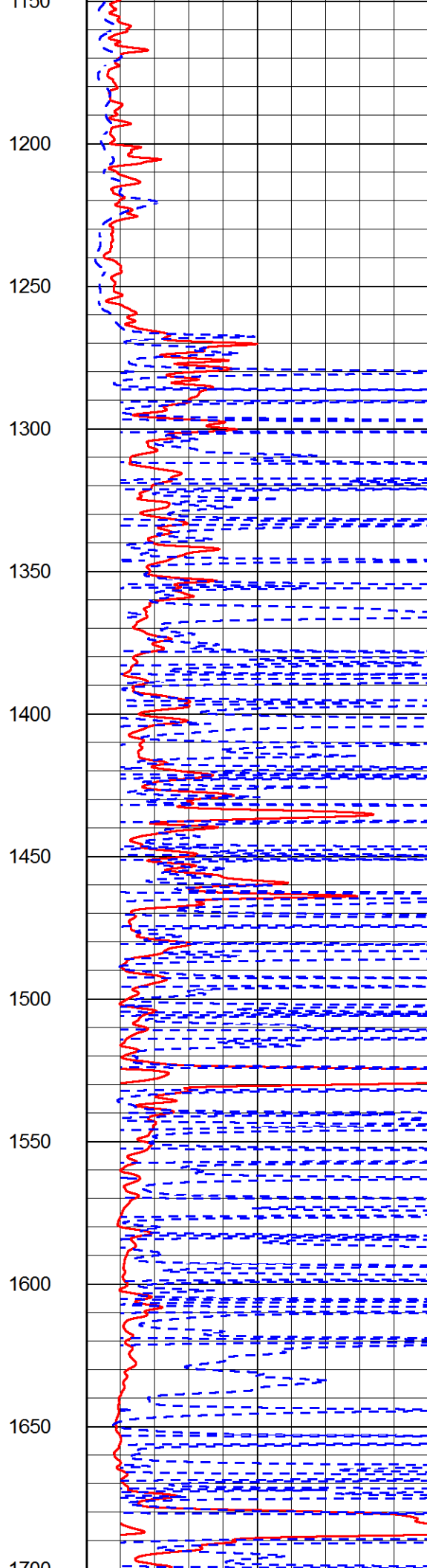
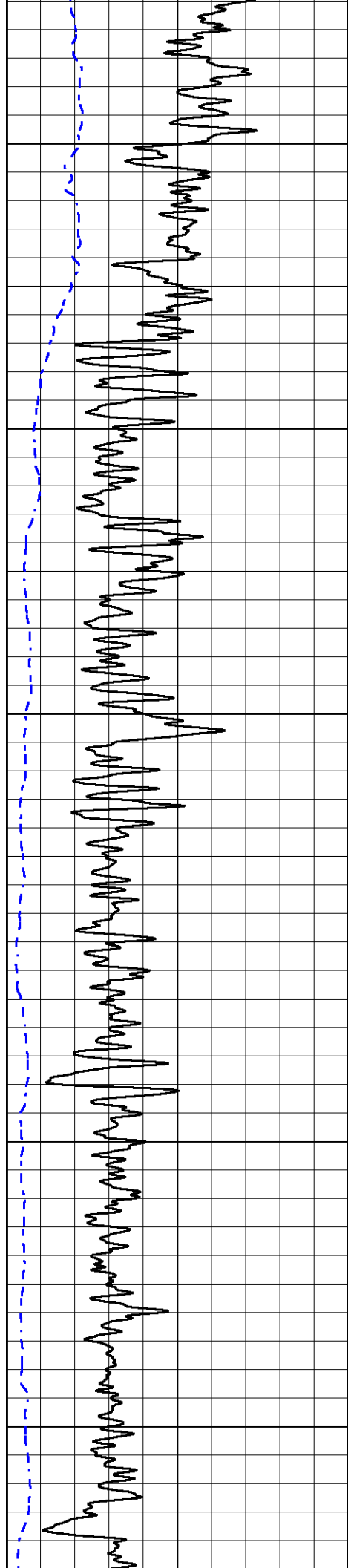
Database File garner_petty_christie_unit_1.db
Dataset Pathname stack/pass6.1
Presentation Format dil2in
Dataset Creation Fri Jul 30 13:05:20 2021
Charted by Depth in Feet scaled 1:600

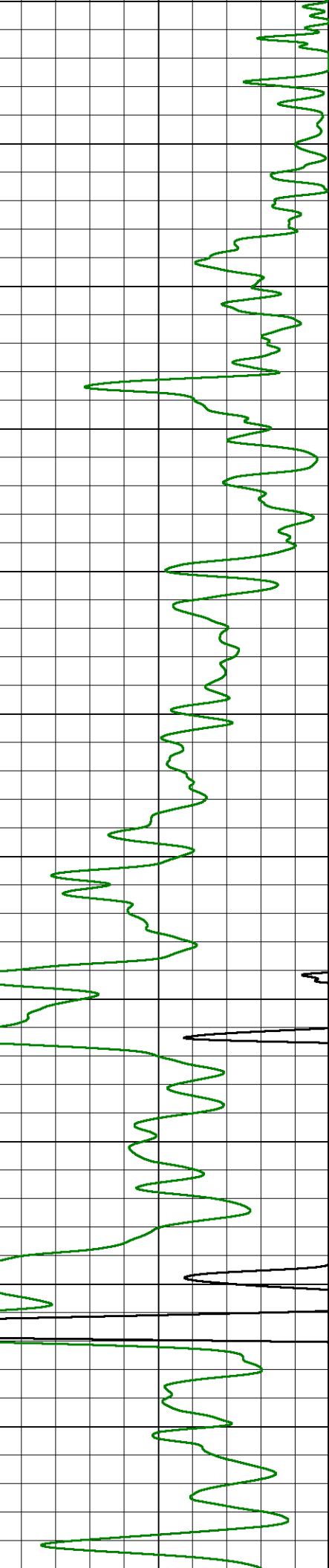
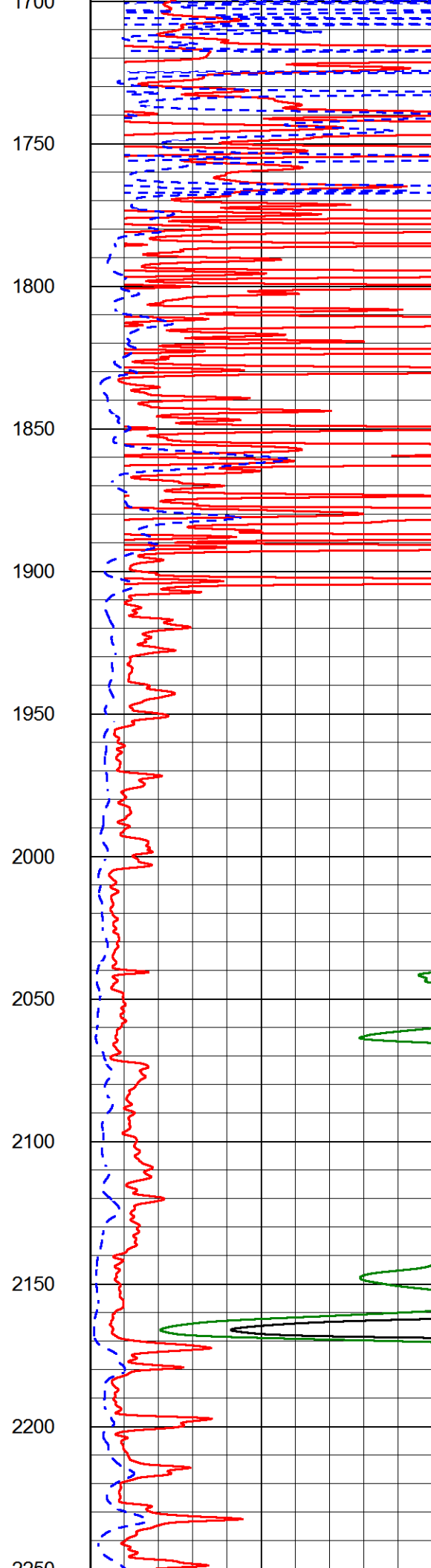
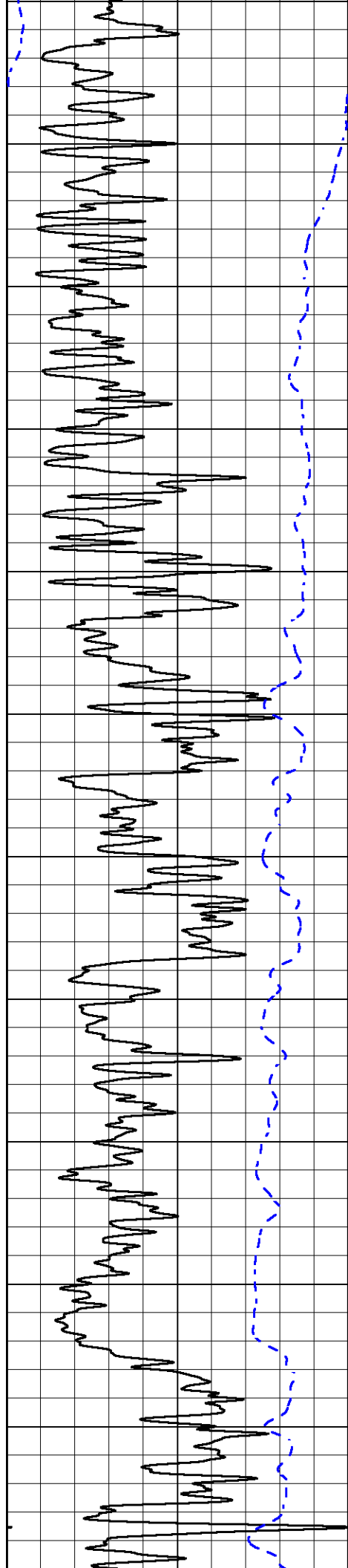
0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0

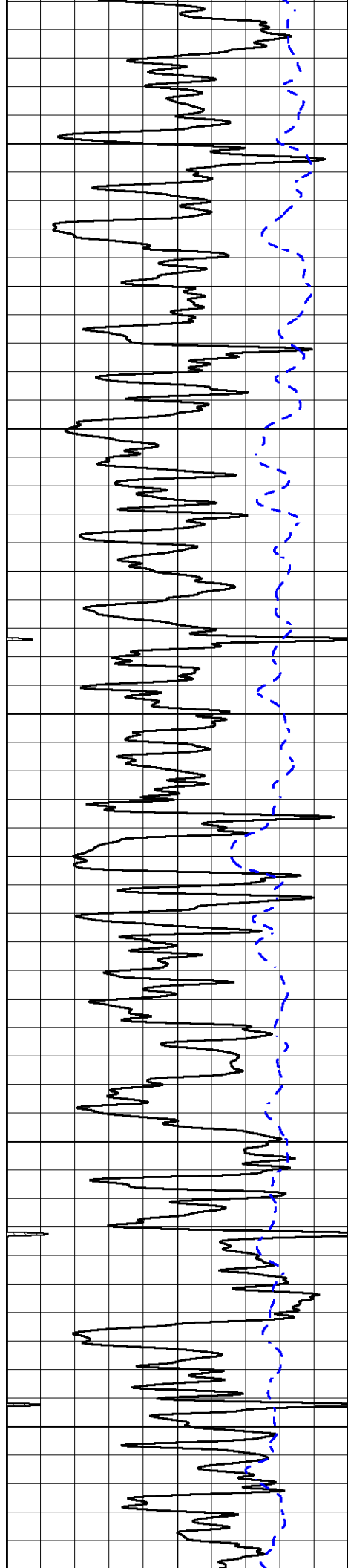
2000 CILD (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 DEEP RESISTIVITY (Ohm-m) 50
50 RLL3 (Ohm-m) 200
50 RILD (Ohm-m) 200



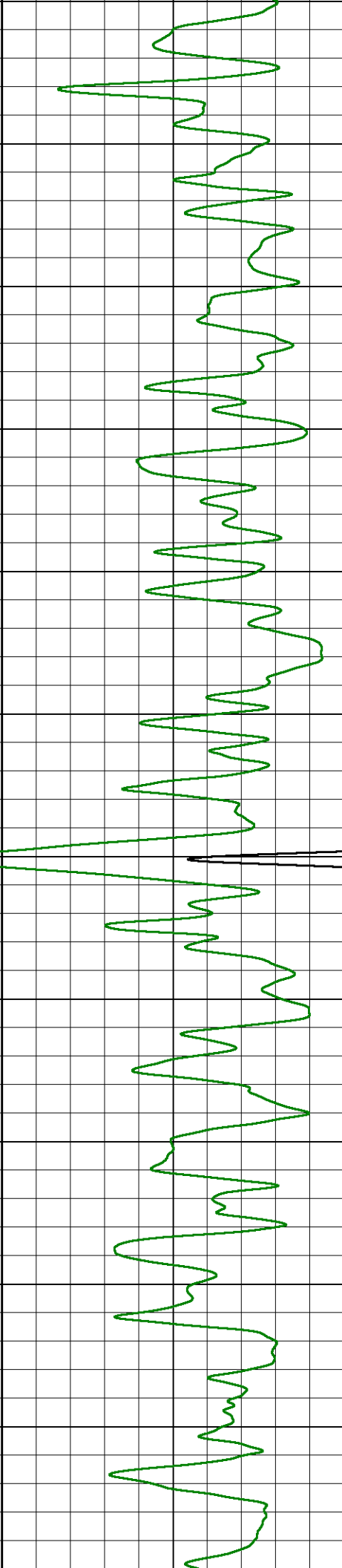
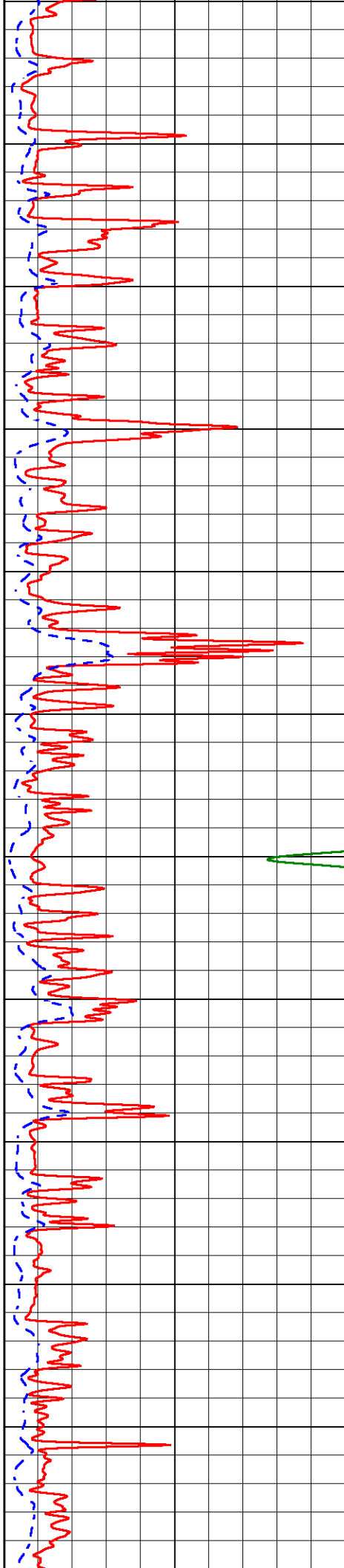


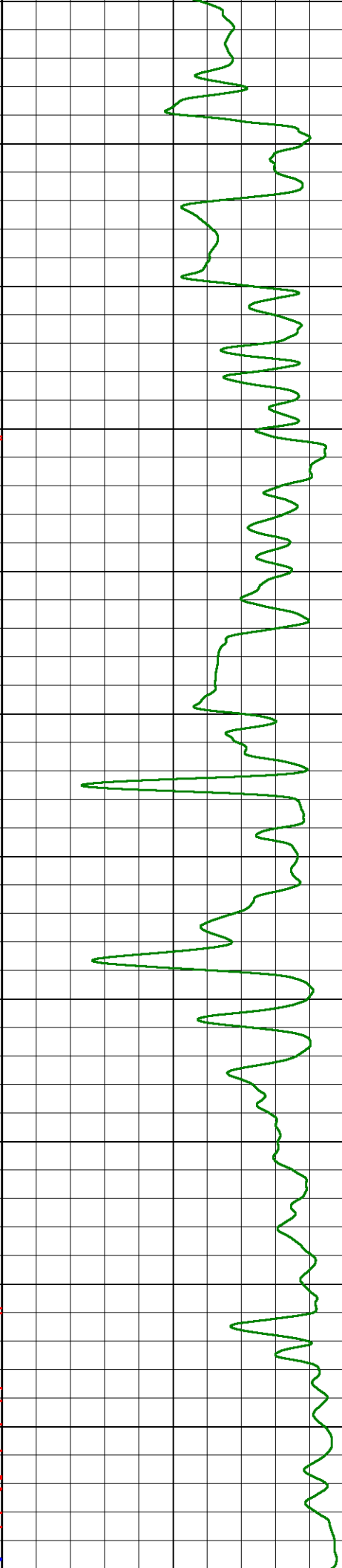
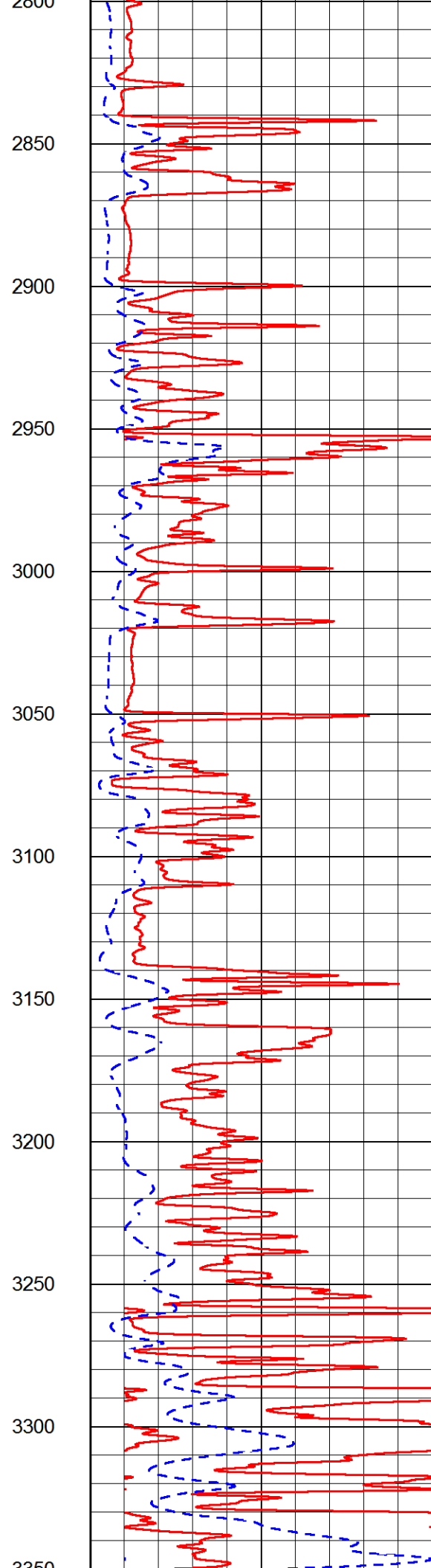
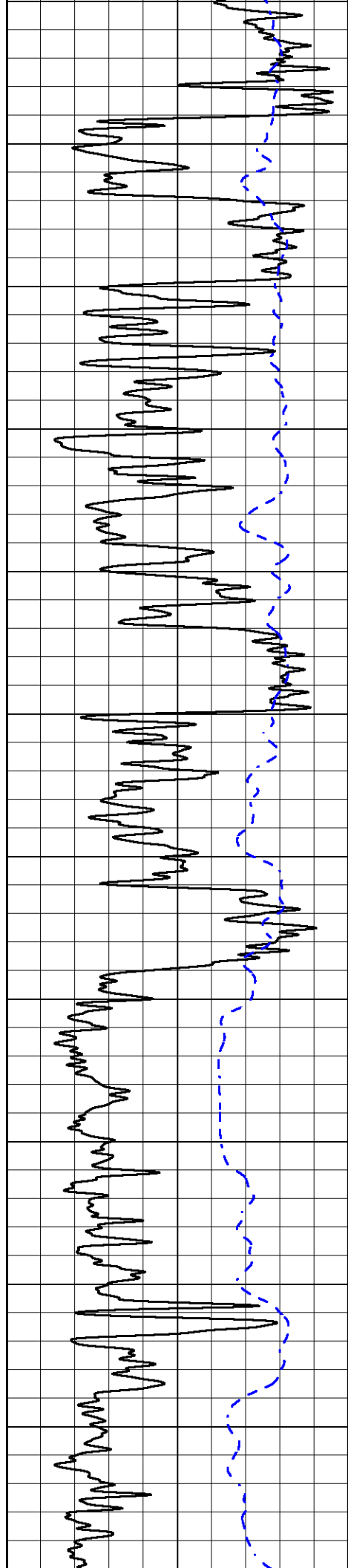


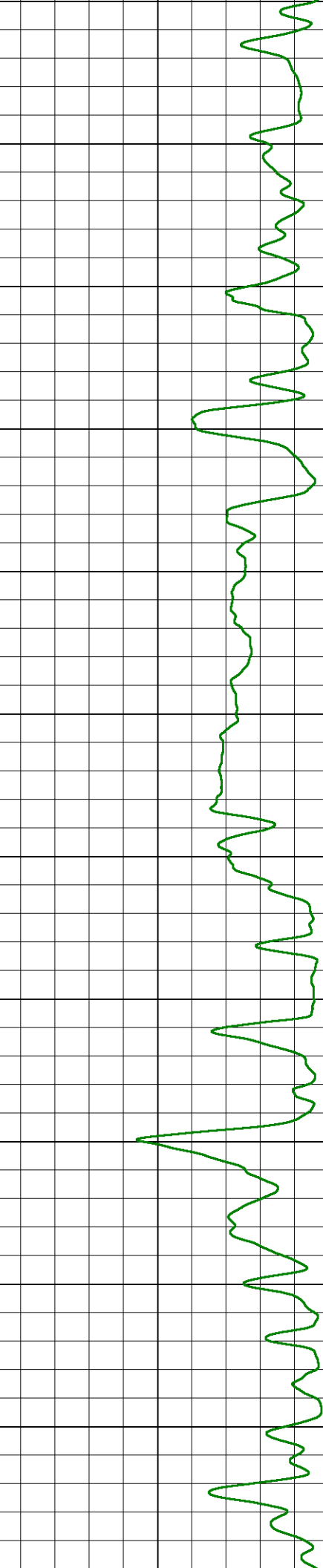
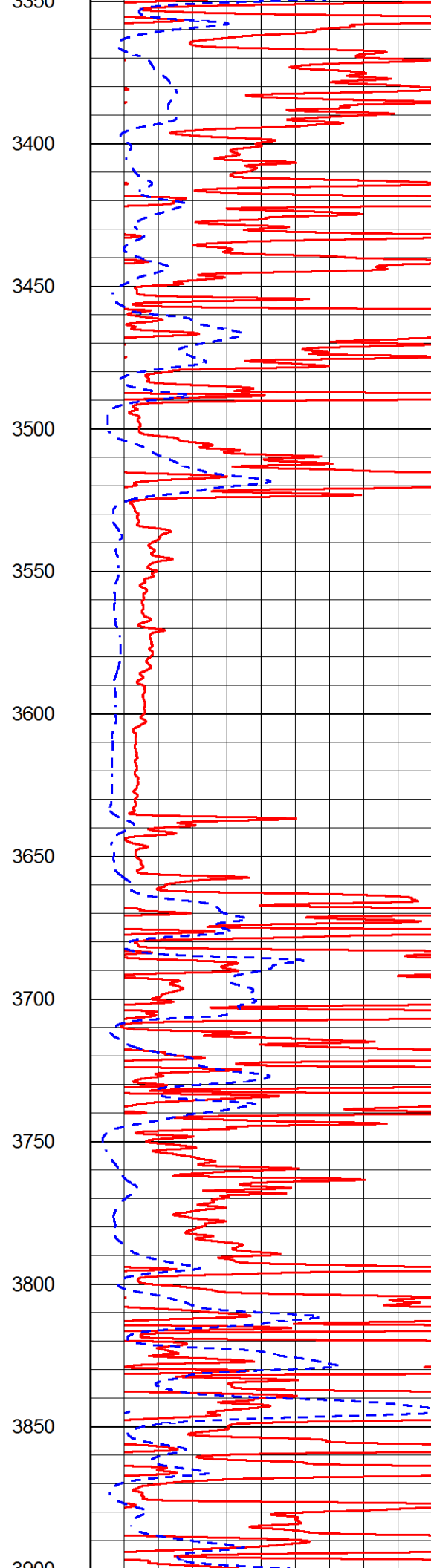
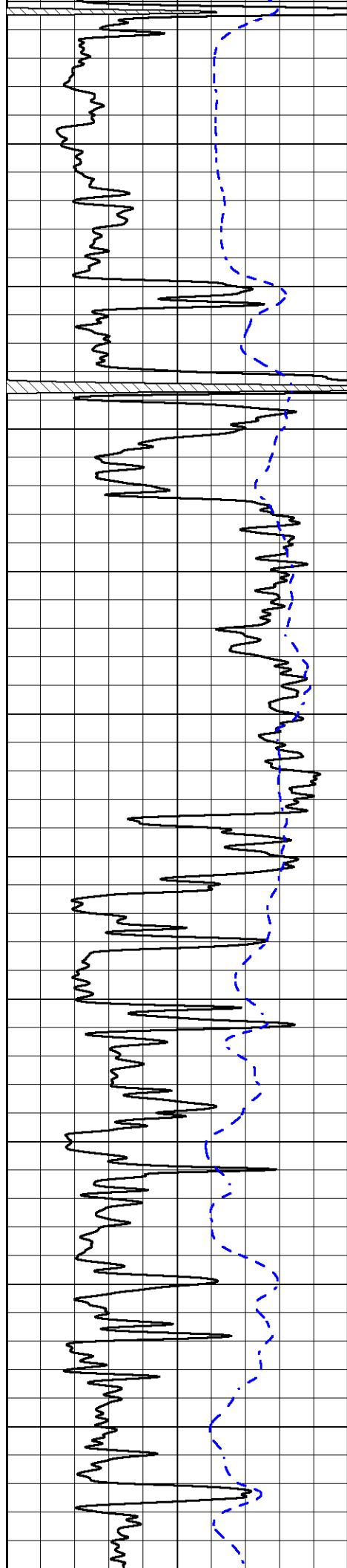


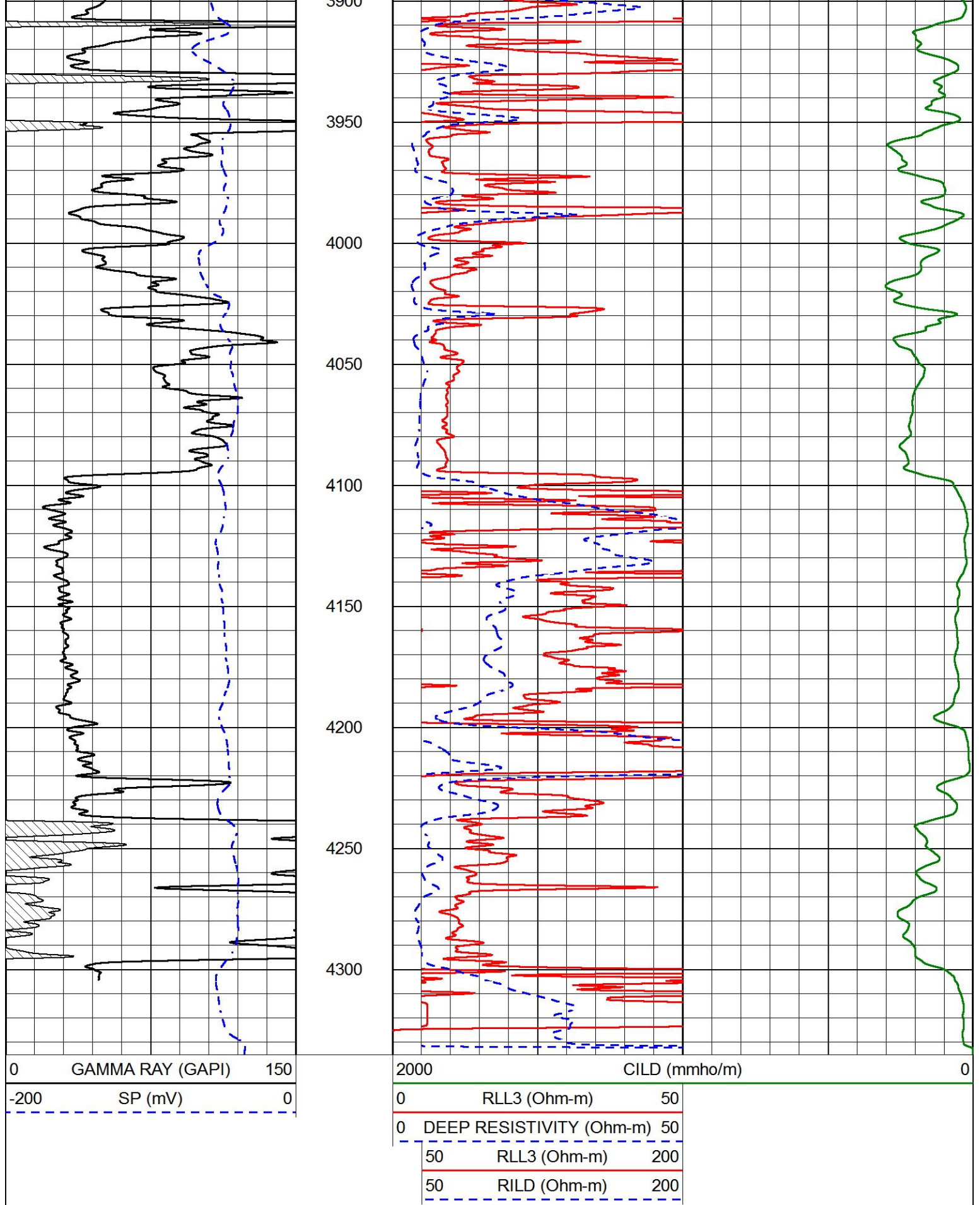


2250
2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800









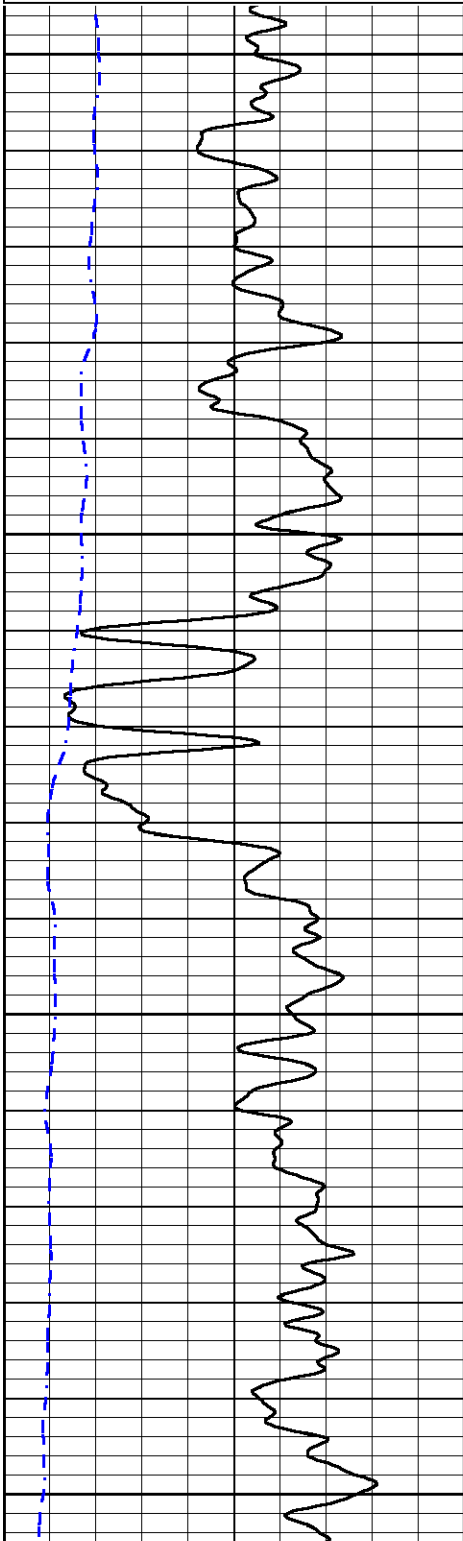
ANHYDRITE SECTION

MAIN PASS

Database File garner_petty_christie_unit_1.db
Dataset Pathname stack/pass5.1
Presentation Format dil
Dataset Creation Fri Jul 30 13:05:01 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
15000 LINE TENSION (lb) 0

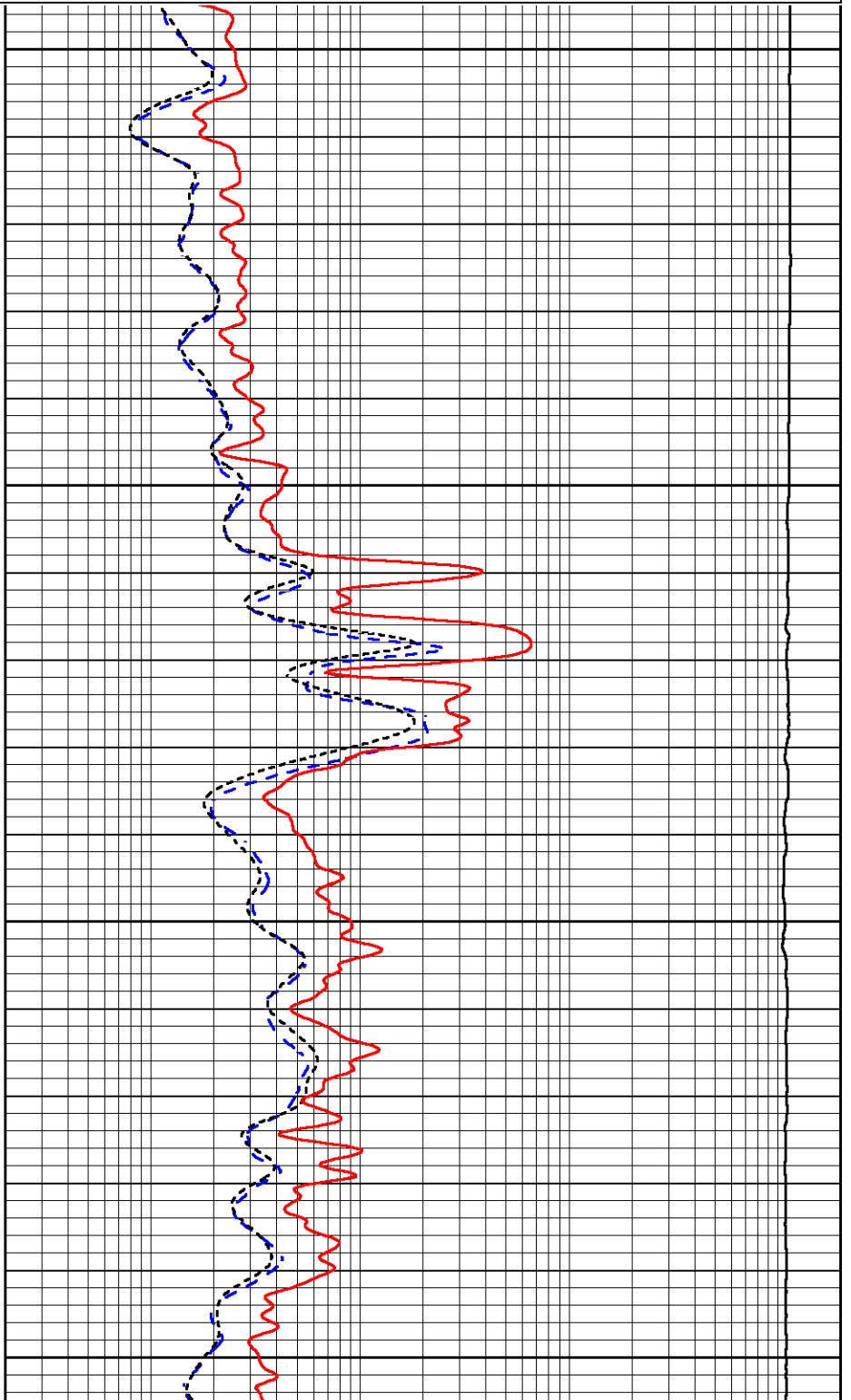


700

750

800

850



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



MIDWEST WIRELINE

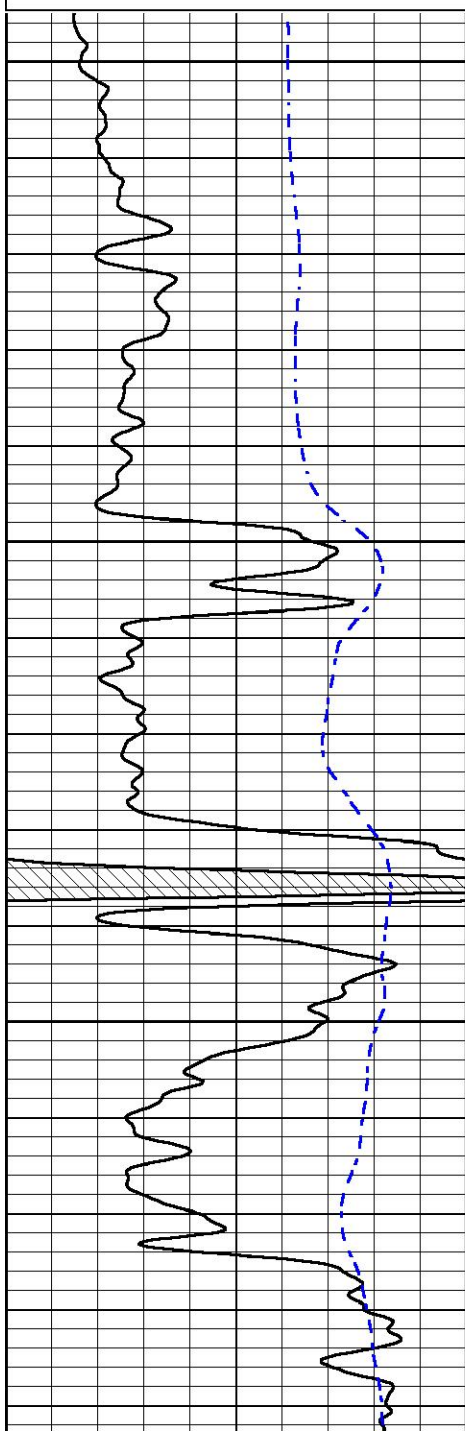
DETAIL SECTION

MAIN PASS

Database File garner_petty_christie_unit_1.db
Dataset Pathname stack/pass4.1
Presentation Format dil
Dataset Creation Fri Jul 30 12:27:07 2021
Charted by Depth in Feet scaled 1:240

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

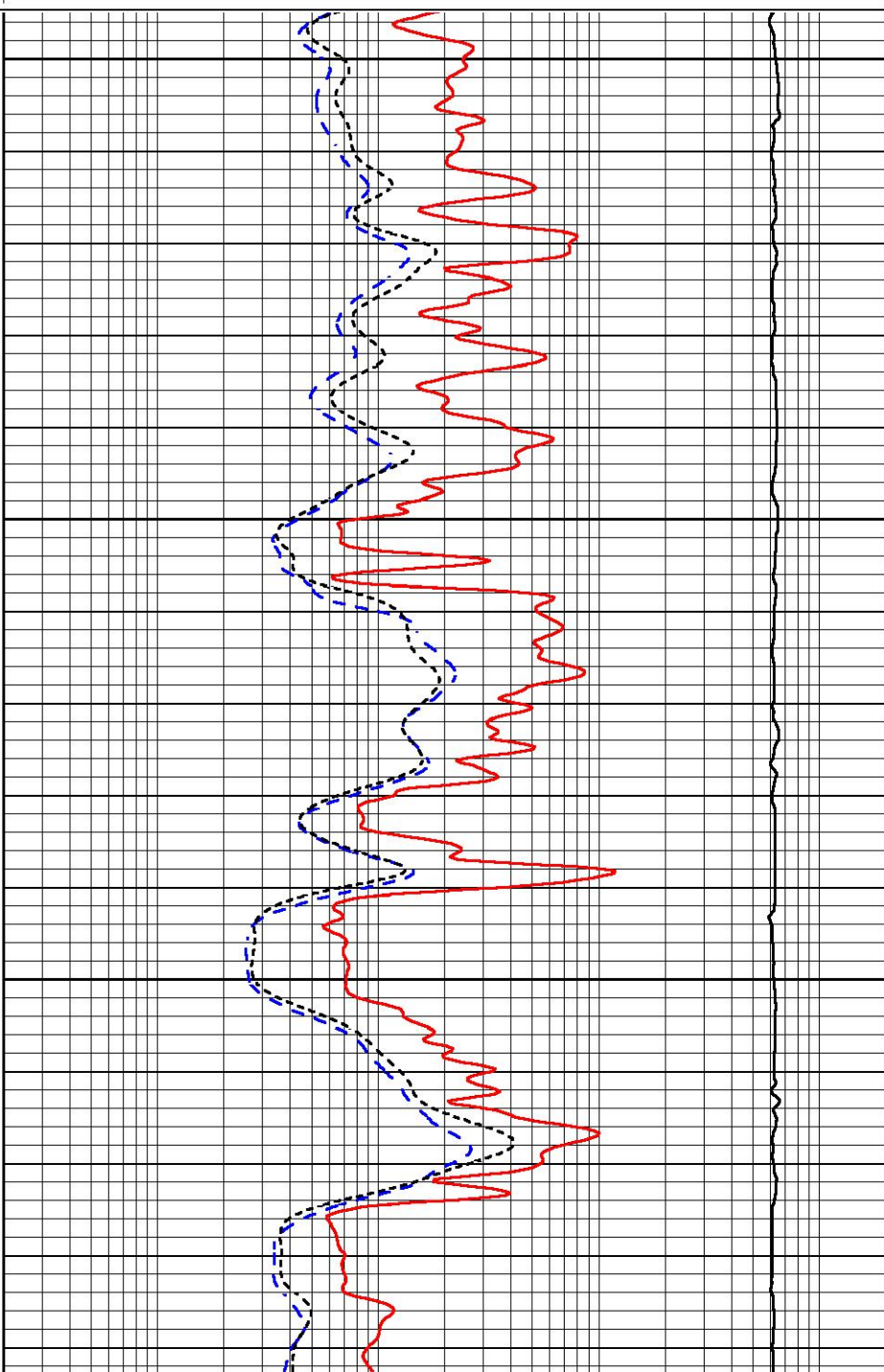
0.2 DEEP RESISTIVITY (Ohm-m) 2000
0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
15000 LINE TENSION (lb) 0

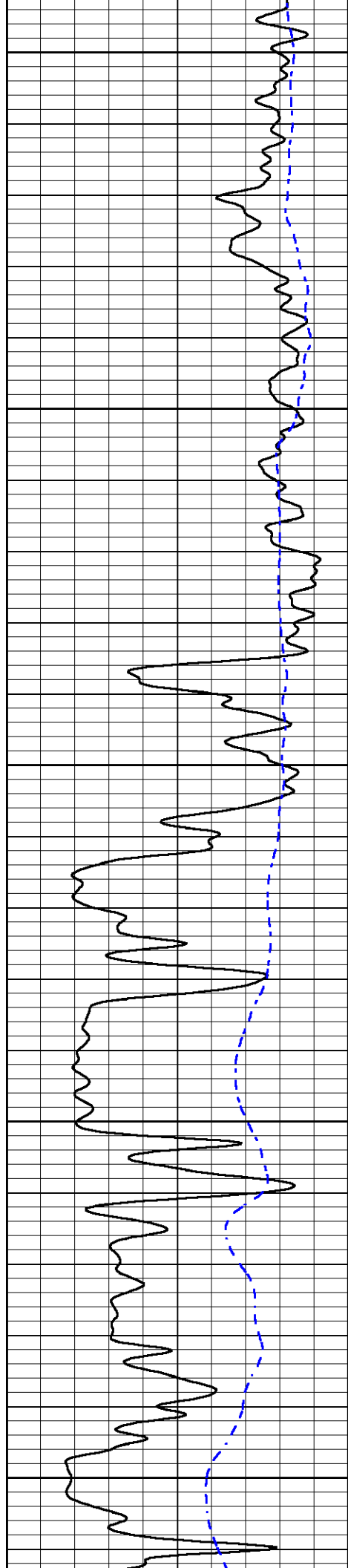


3400

3450

3500





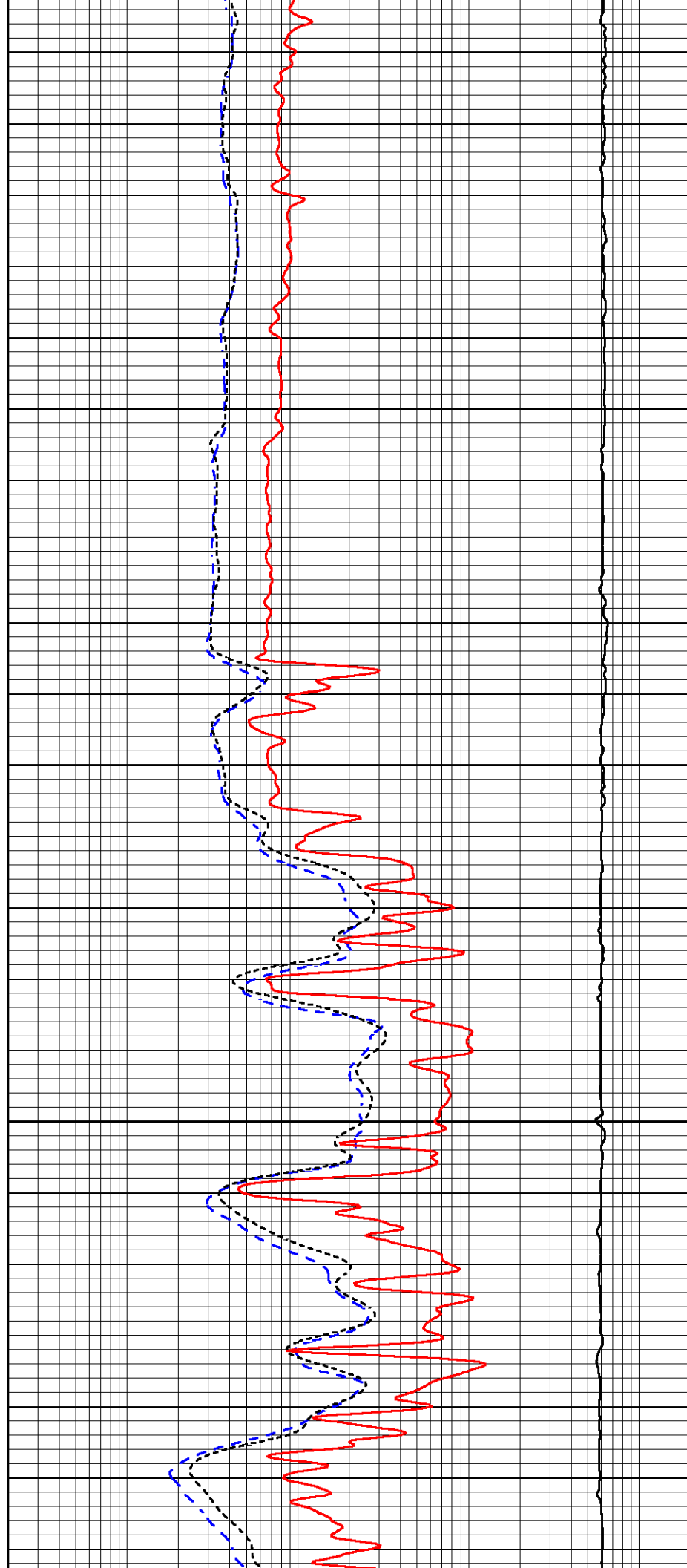
3550

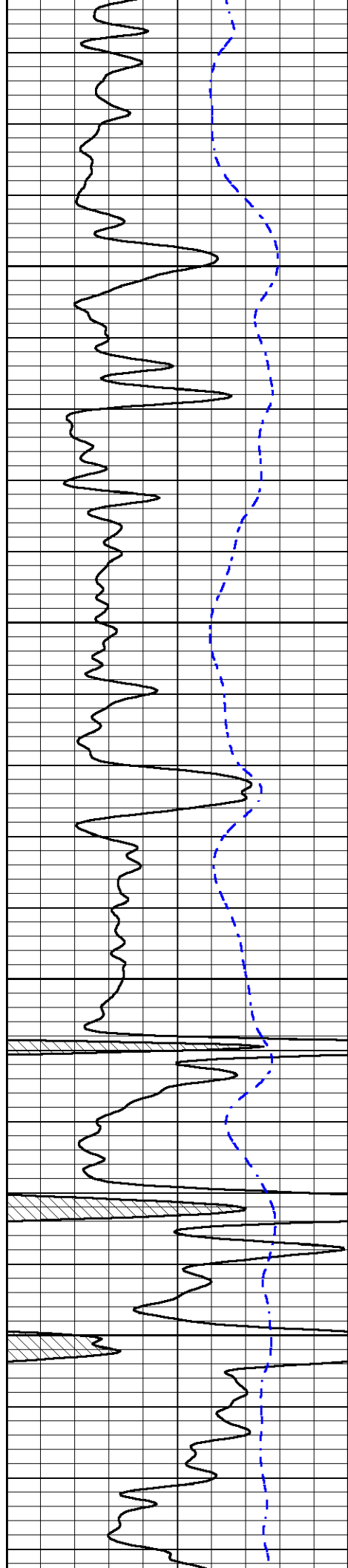
3600

3650

3700

3750



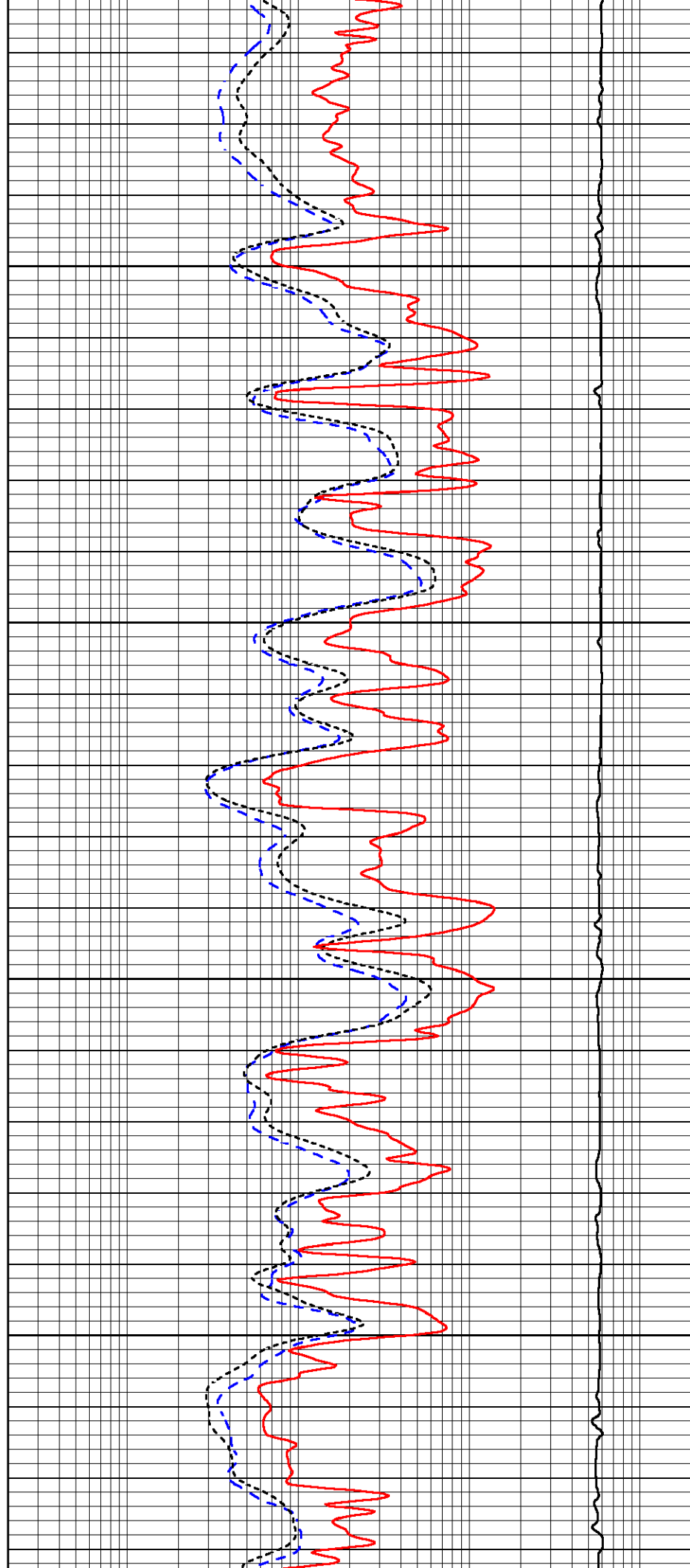


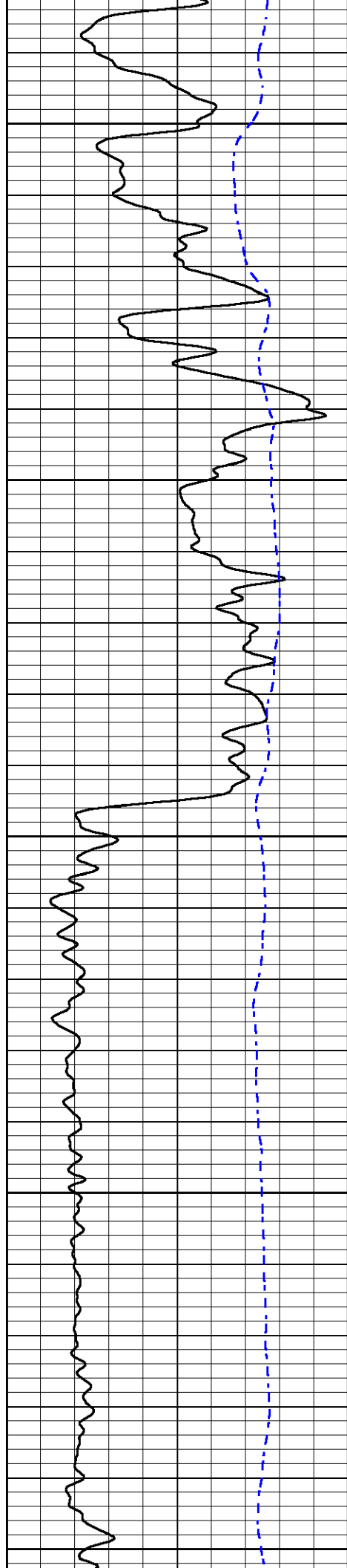
3800

3850

3900

3950





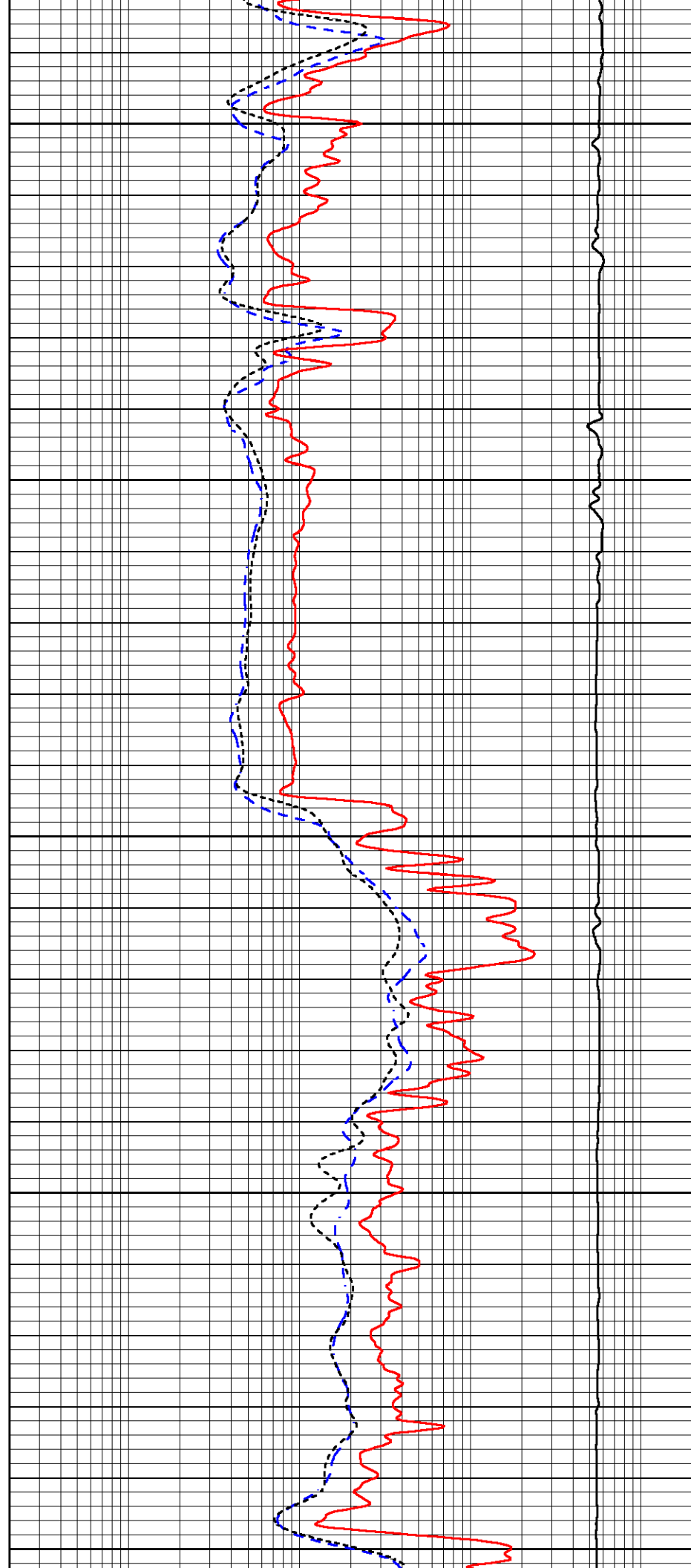
4000

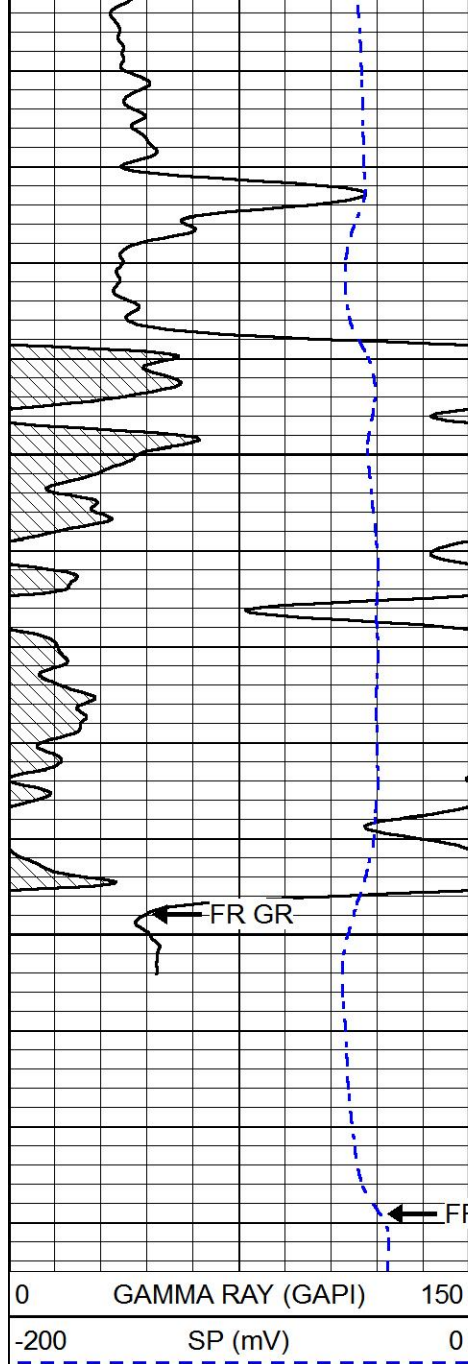
4050

4100

4150

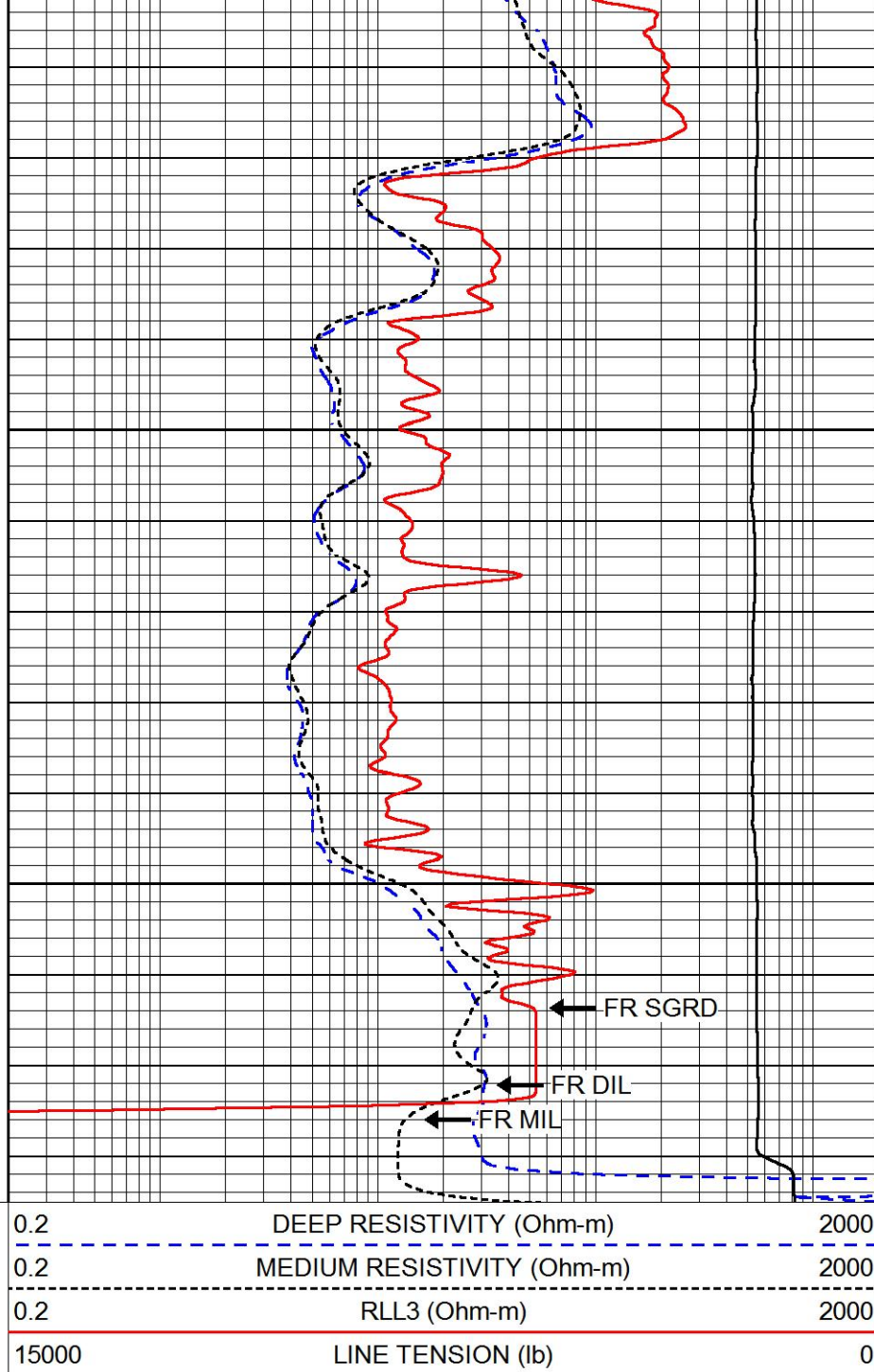
4200





4250

4300

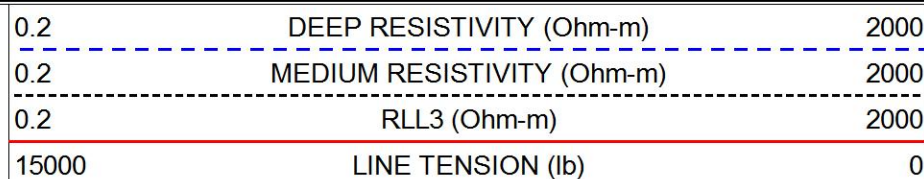
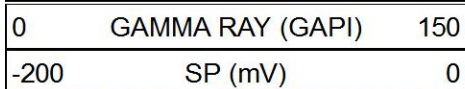


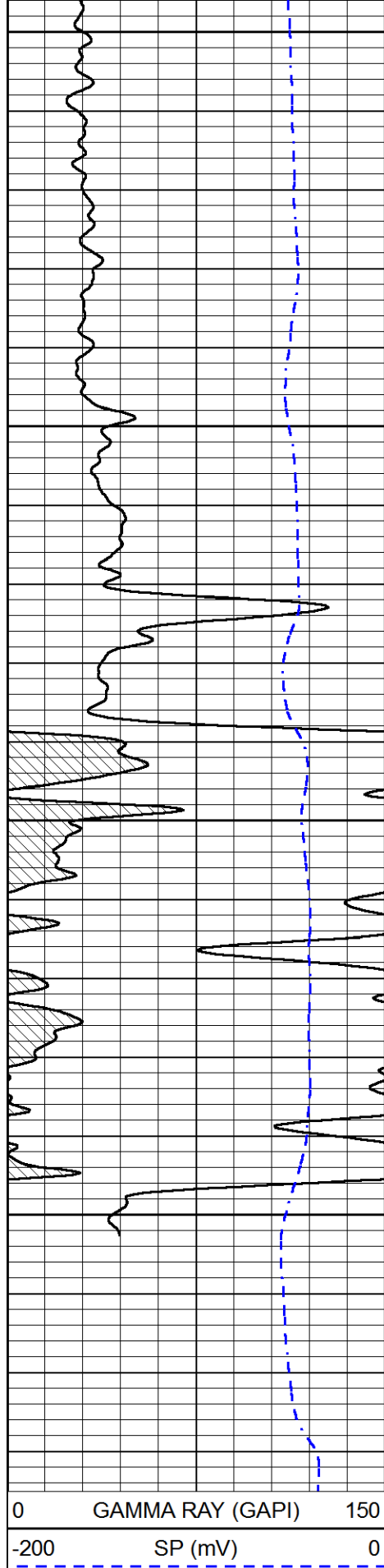
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File garner_petty_christie_unit_1.db
 Dataset Pathname stack/pass2.1
 Presentation Format dil
 Dataset Creation Fri Jul 30 12:24:22 2021
 Charted by Depth in Feet scaled 1:240





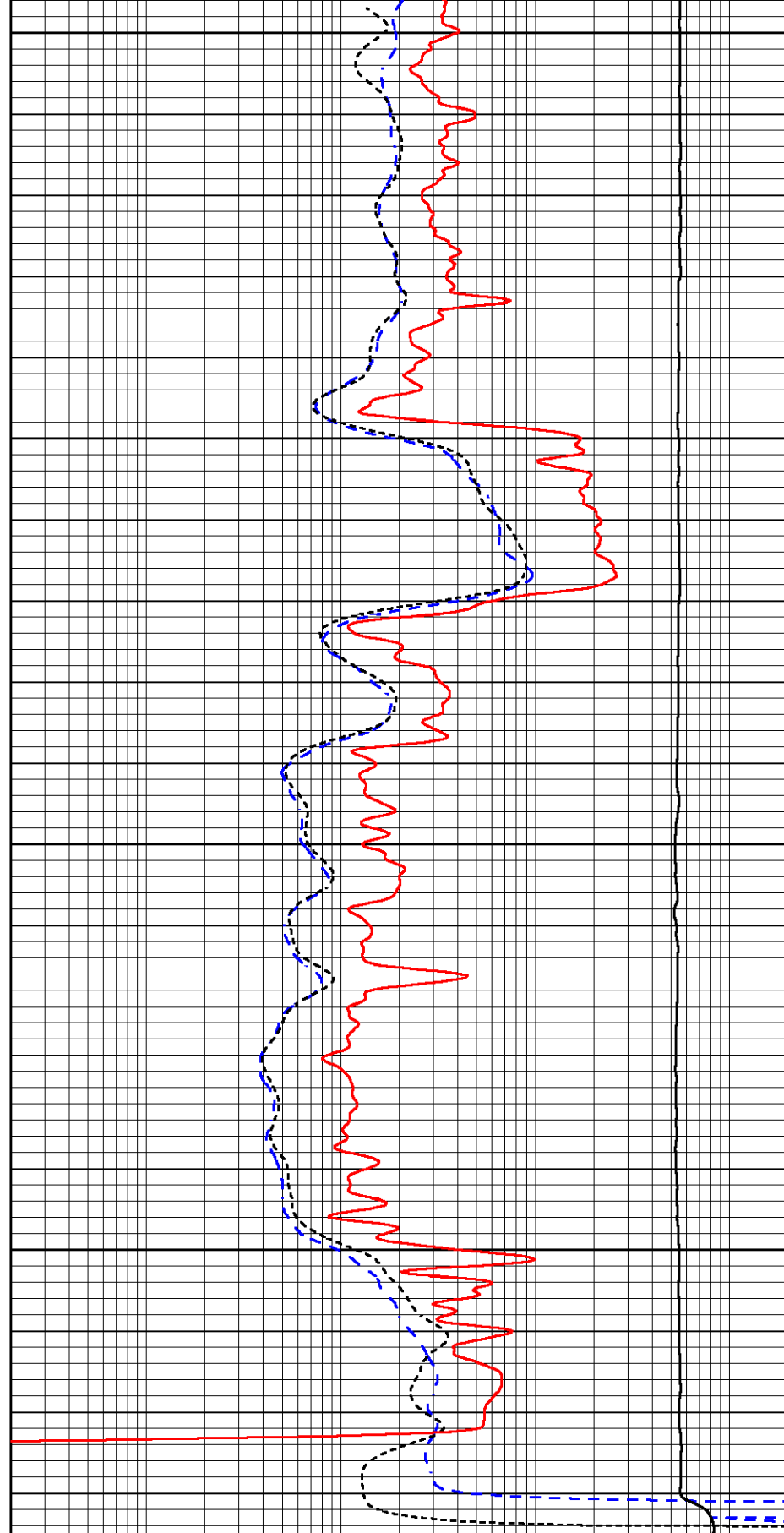
4150

4200

4250

4300

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
15000 LINE TENSION (lb) 0