



PIONEER

Pioneer Energy Services

**CEMENT BOND LOG
WITH GAMMA RAY**

Company **SLAWSON EXPL. COMPANY, INC.**

Well **FABER #1-26**

Field **WILDCAT**

County **RAWLINS** State **KANSAS**

Location: **API # : 15-153-21180-00-00**

970' FSL & 620' FEL

SEC 26 TWP 5S RGE 36W

**GUAGE RING
PERF**

Permanent Datum **GROUND LEVEL** Elevation **3355'**
Log Measured From **KELLY BUSHING 5' Above GL**
Drilling Measured From **KELLY BUSHING**

Elevation
K.B. 3360'
D.F. 3358'
G.L. 3355'

Comp. **SLAWSON EXPL. COMPANY, INC.**
Well **FABER #1-26**
Field **WILDCAT**
Co. **RAWLINS**
State **KANSAS**

Date of Service **10/25/2016**

Run Number **ONE**

Depth Driller or PBTD **4917'**

Depth Logger **4917'**

Bottom Log Interval **4914'**

Top Log Interval **00'**

Open Hole Size **7.875"**

Type Fluid **WATER**

Fluid Level **FULL**

Fluid Density **N/A**

Max. Recorded Temperature **131 DEG F**

Max. Wellhead Pressure **00 PSI**

Wellhead Connection **N/A**

Estimated Cement Top **3685'**

Unit Number **106**

Wireline Size **0.288**

Location **COLBY**

Recorded By **T. MARTIN**

Witnessed By **MARK SOLKO**

Size

Wt/Ft

Top

Bottom

8.625"

23#

00'

424'

4.5"

11.6#

00'

TD

Liner Record

<<< Fold Here >>>

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

**BRREWSTER, KS, 14 N TO EE RD,
2.7 E, 1 N, W INTO**

LOG RAN WITH 00 PSI SURFACE PRESSURE

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Your Pioneer Energy Services Crew

Engineer: **T. MARTIN**
Operator:
Operator:
Operator:

Tool Data - Services

Serial Number

Log Variables

DatabaseC:\ProgramData\Warrior\Data\slawson_faber_#1-26.db
Dataset field/well/CBL/pass4.11/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 131	CASEOD in 4.5	CASETHCK in 0.25	CASEWGHT lb/ft 11.6	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8
PERFS 0	PPT usec 0	SRFTEMP degF 70	TDEPTH ft 0				

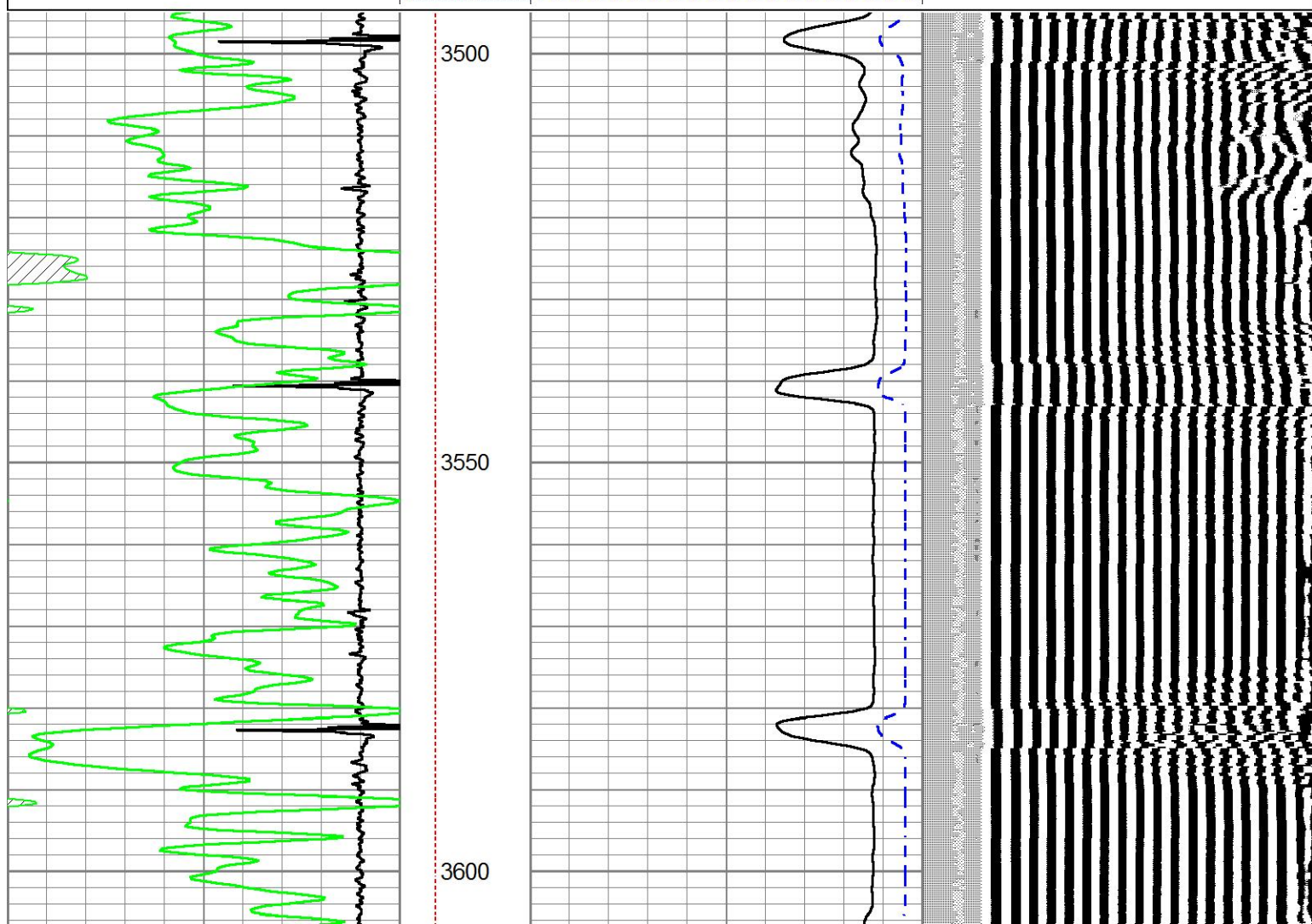


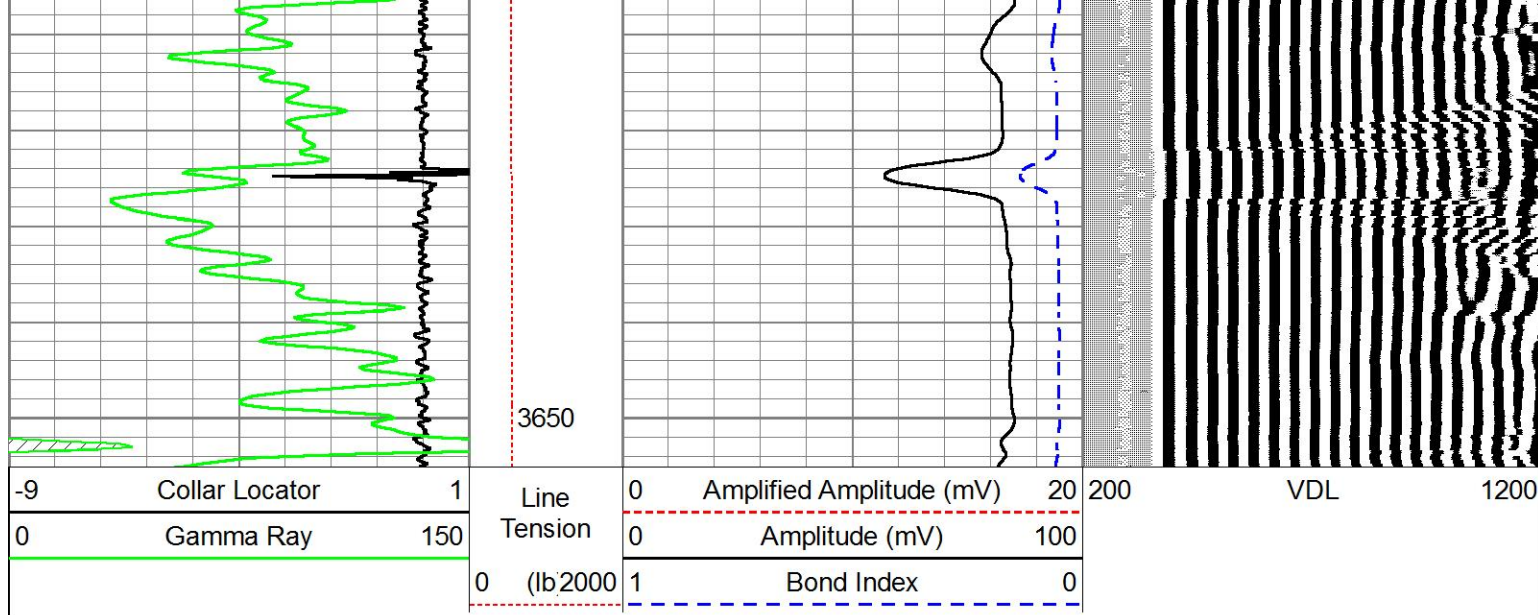
FREE PIPE SECTION

00 PSI APPLIED AT SURFACE

Database File slawson_faber_#1-26.db
Dataset Pathname CBL/pass2
Presentation Format PINR_C~1
Dataset Creation Tue Oct 25 11:42:24 2016
Charted by Depth in Feet scaled 1:240

-9	Collar Locator	1	Line	0	Amplified Amplitude (mV)	20	200	VDL	1200
0	Gamma Ray	150	Tension	0	Amplitude (mV)	100			
			0 (lb/2000)	1	Bond Index	0			





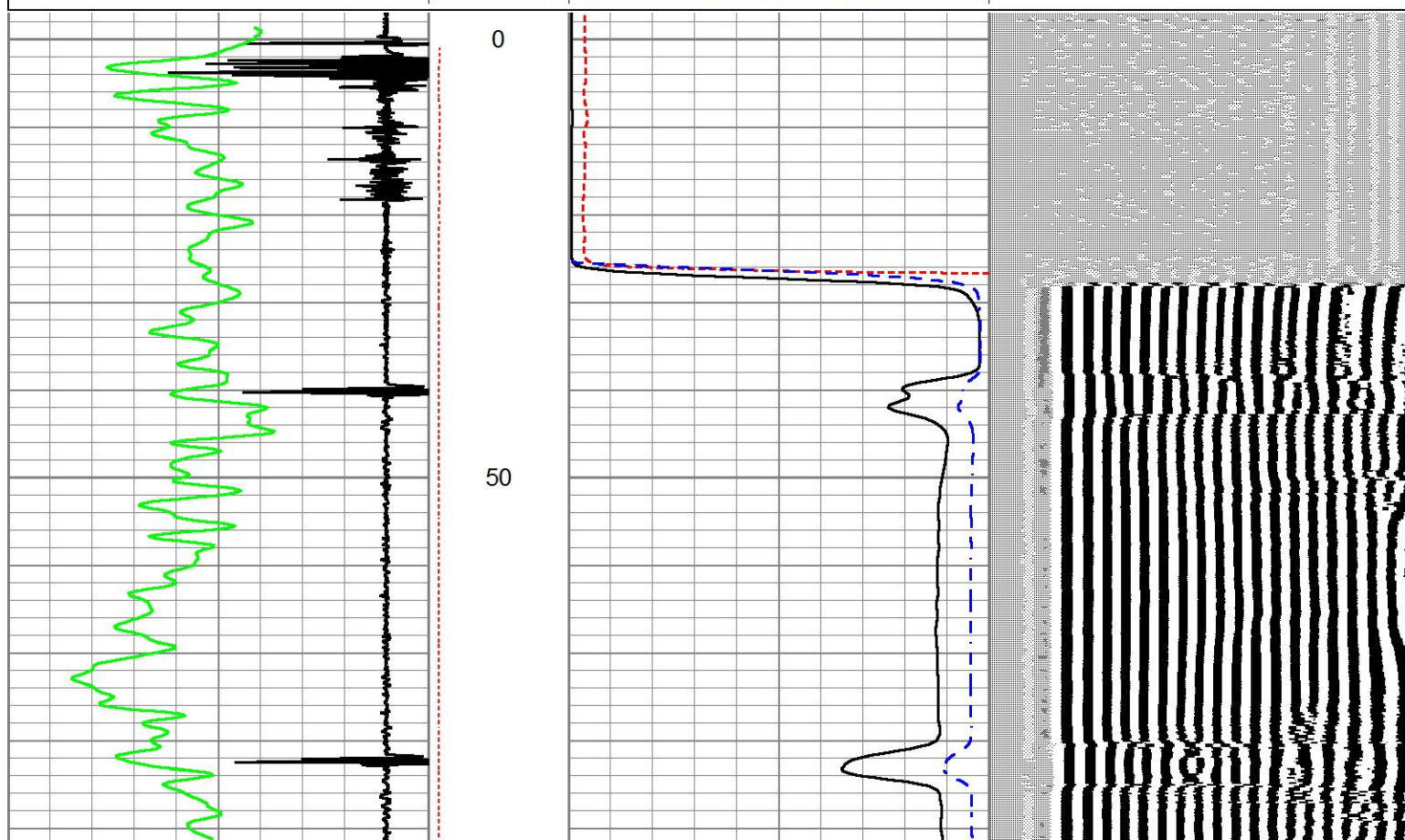
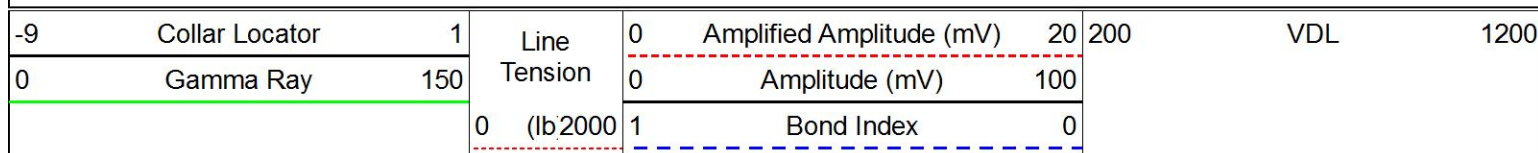


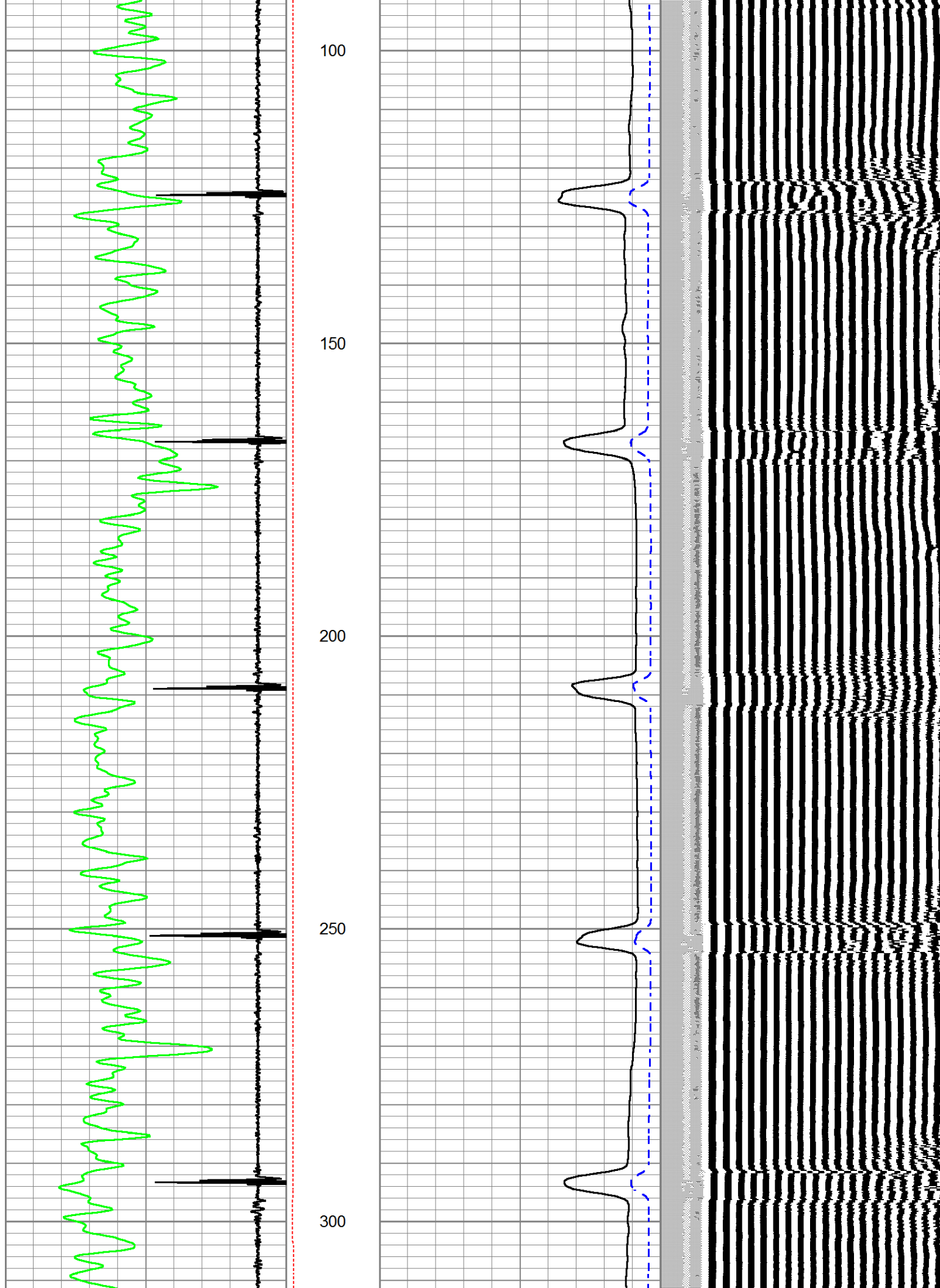
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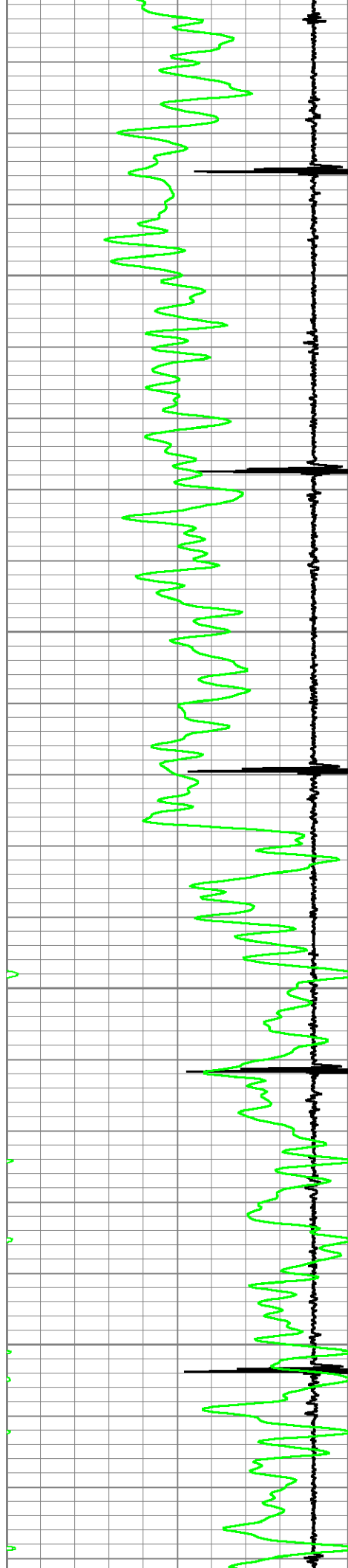
DV TOOL @ 3076'

00 PSI SURFACE PRESSURE

Database File slawson_faber_#1-26.db
 Dataset Pathname CBL/pass5
 Presentation Format PINR_C~1
 Dataset Creation Tue Oct 25 12:21:00 2016
 Charted by Depth in Feet scaled 1:240





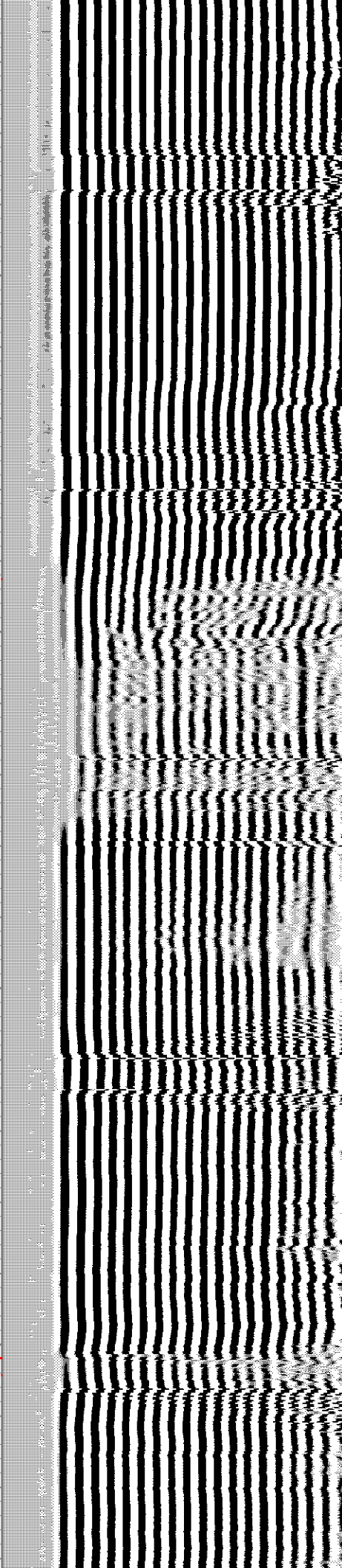
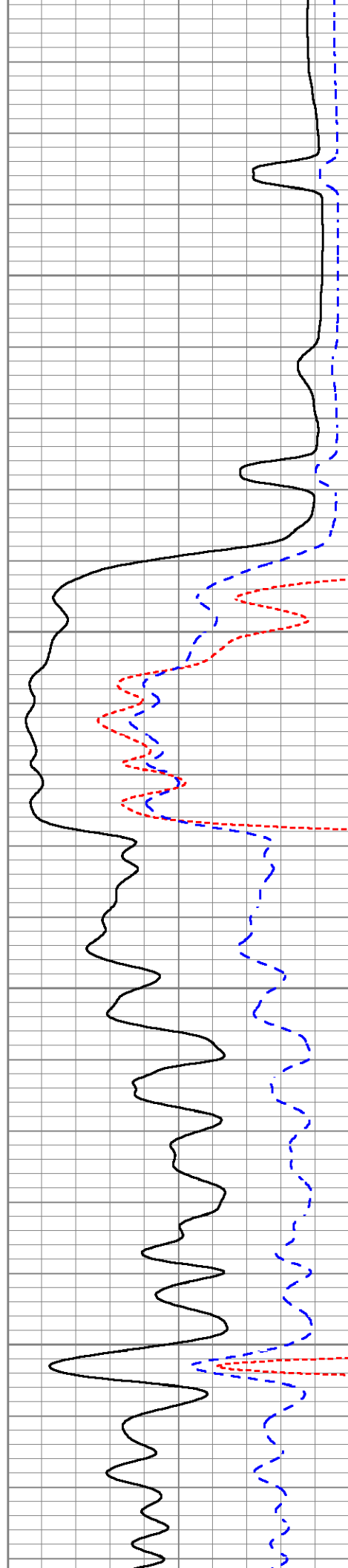


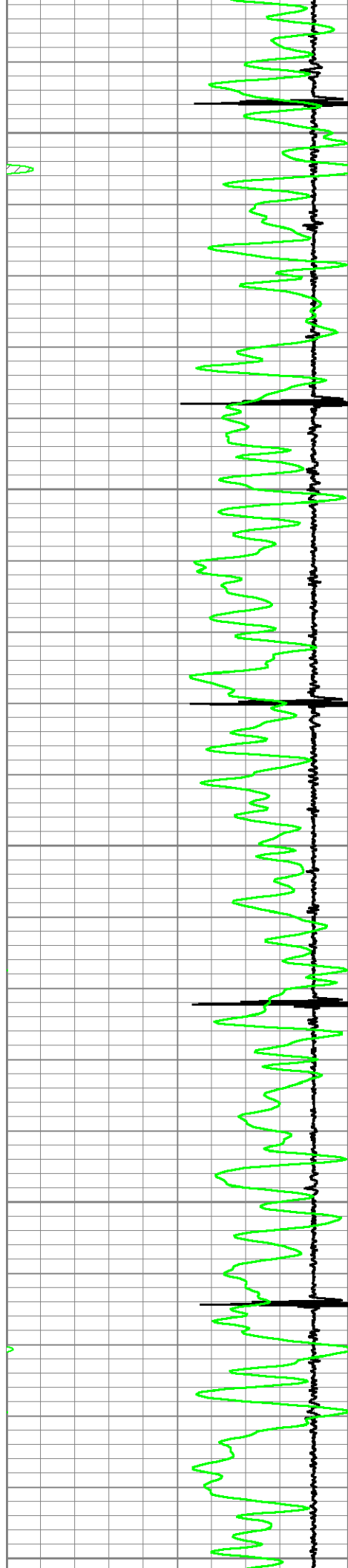
350

400

450

500





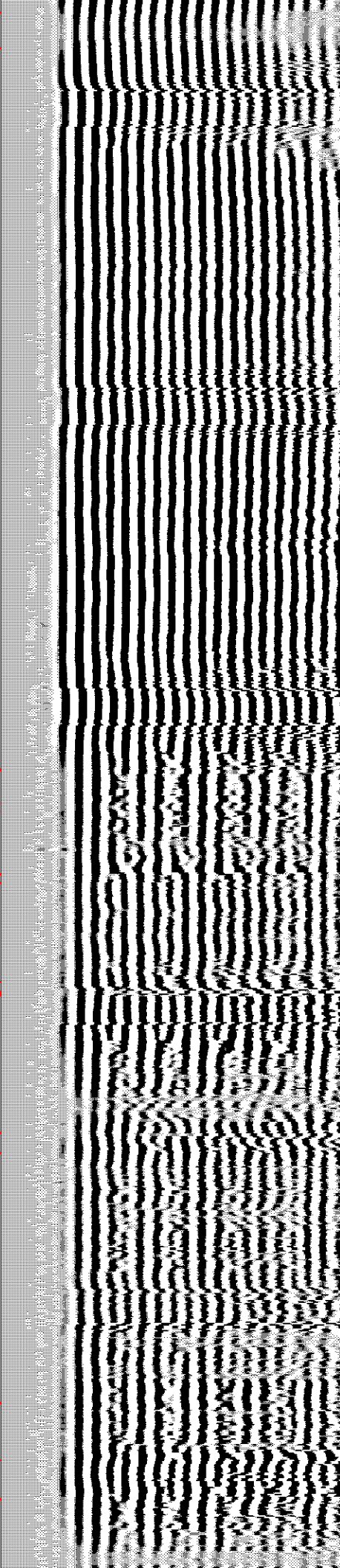
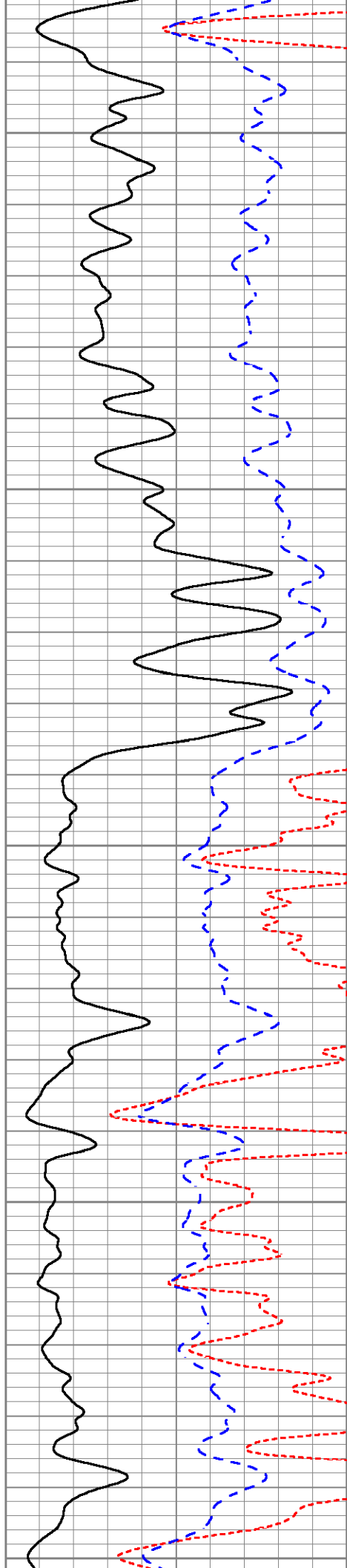
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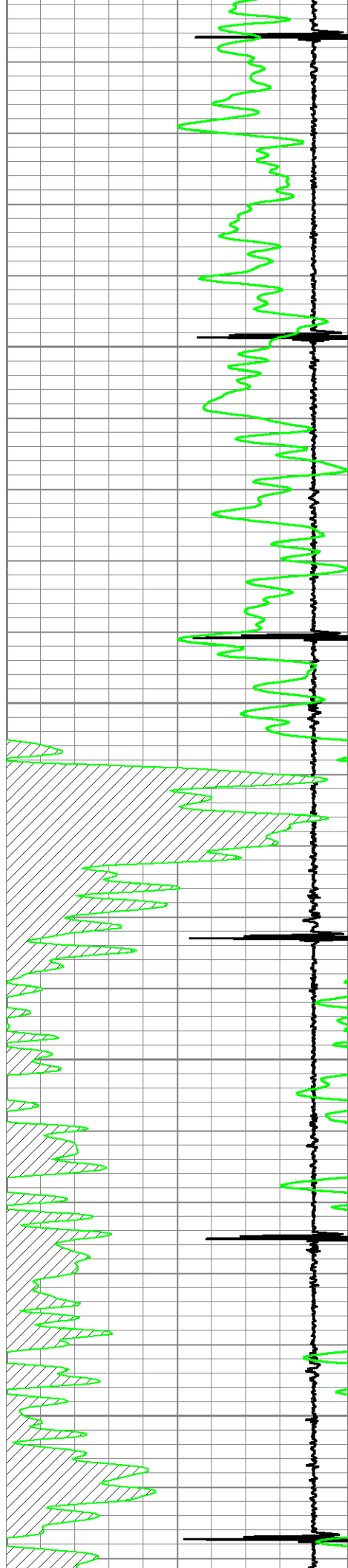
600

650

700

750



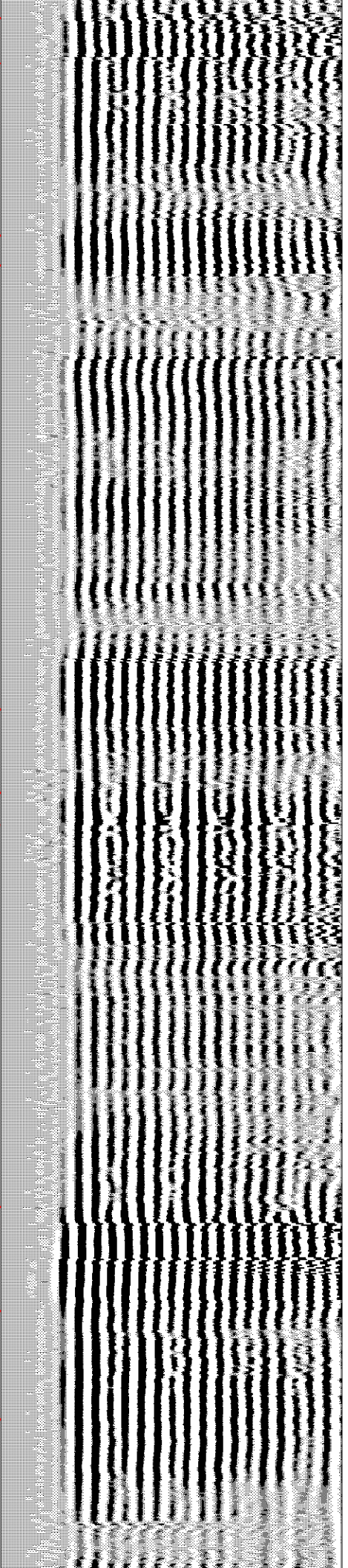
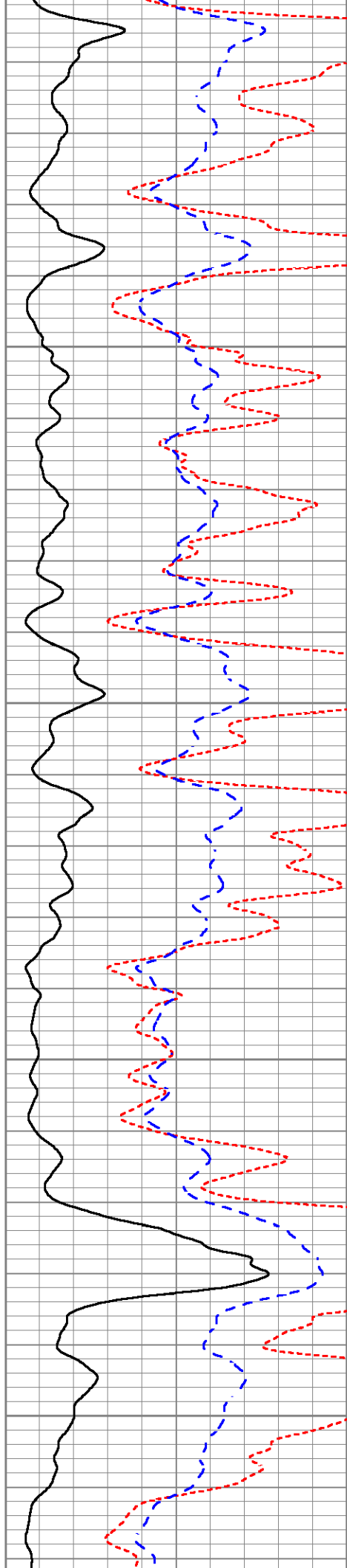


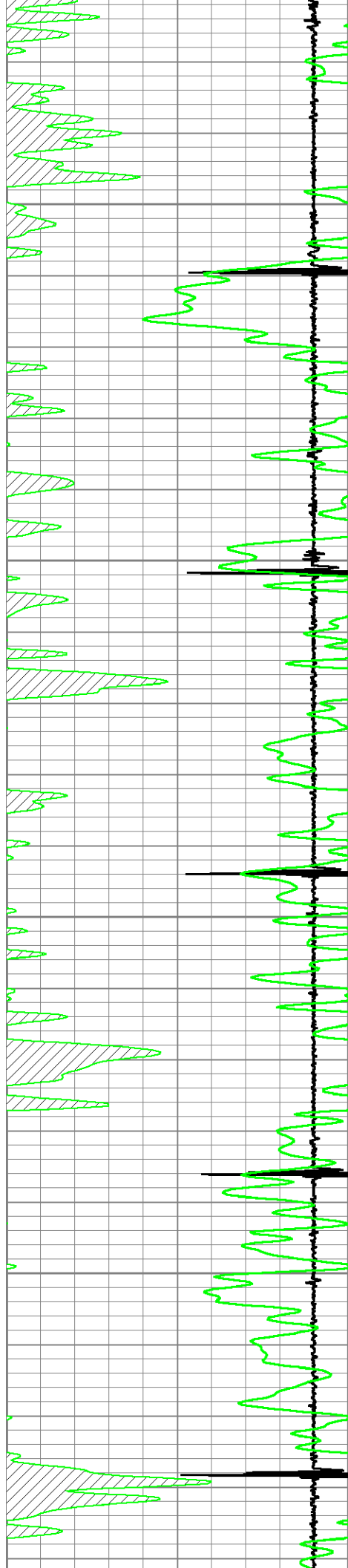
800

850

900

950



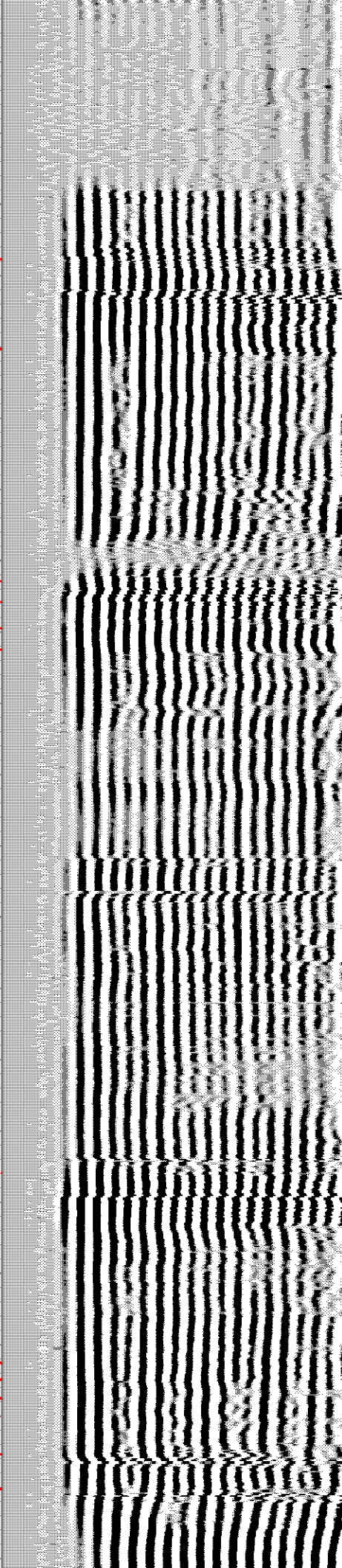
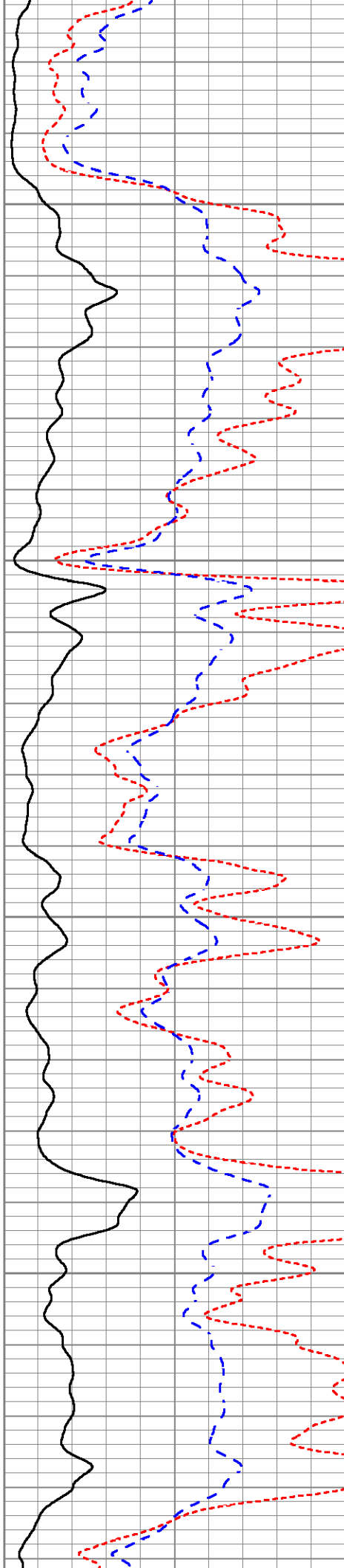


1000

1050

1100

1150





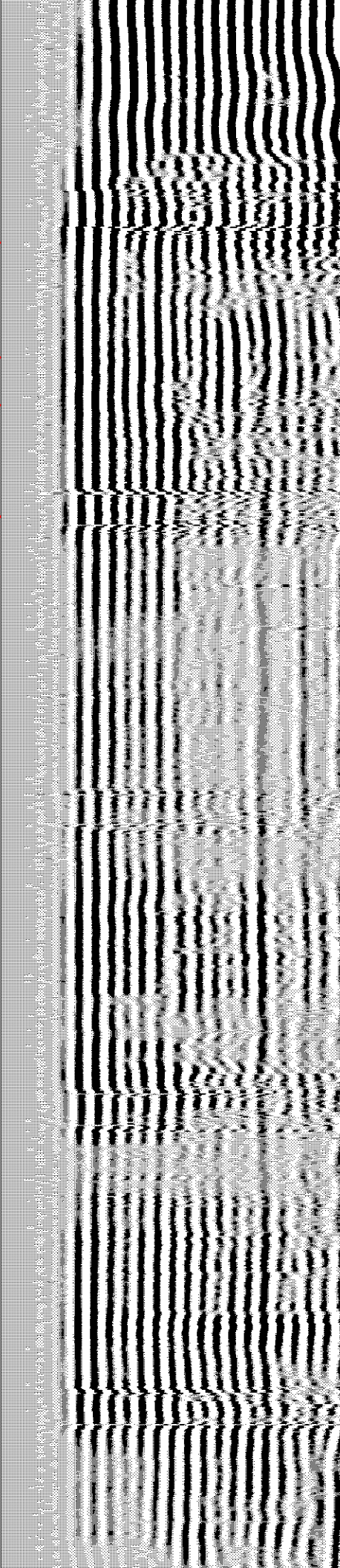
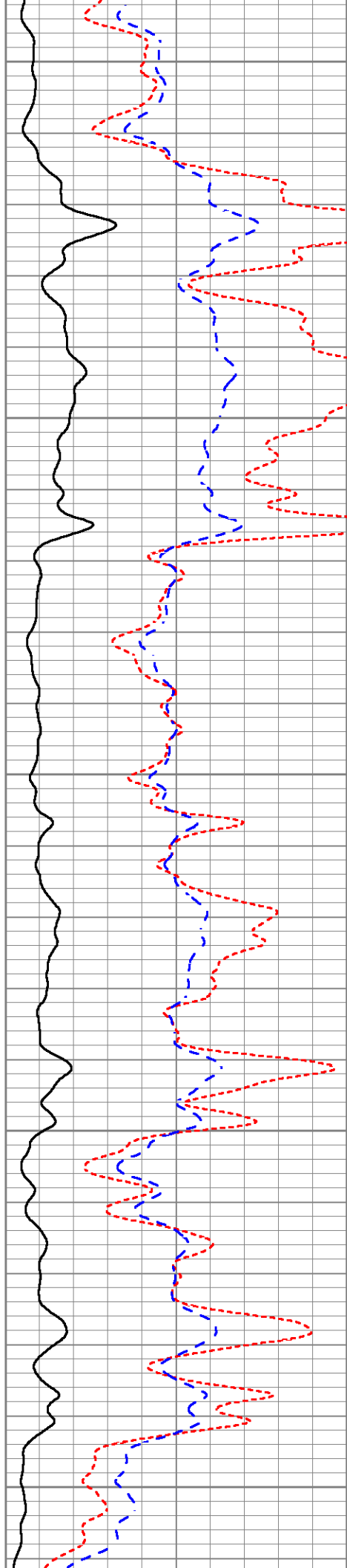
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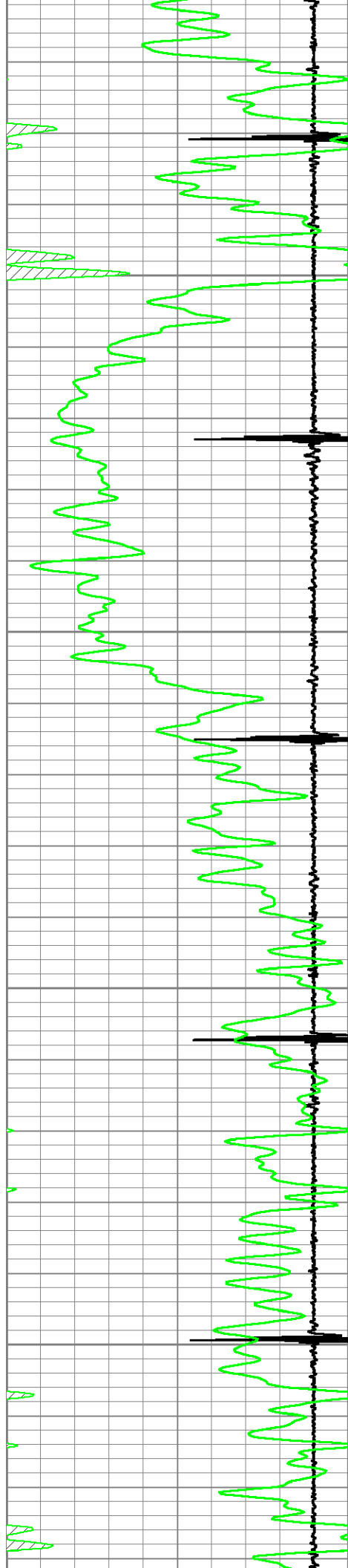
1250

1300

1350

1400



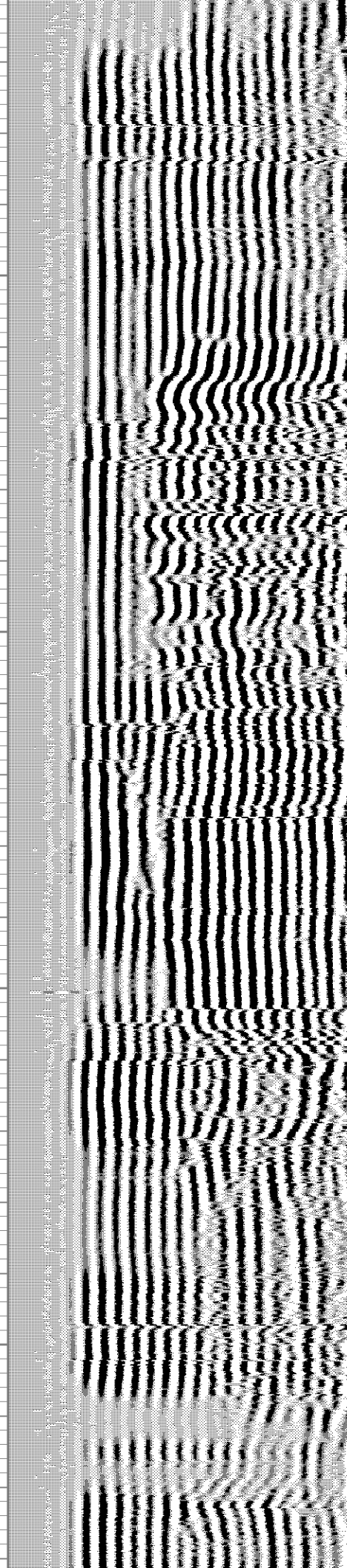
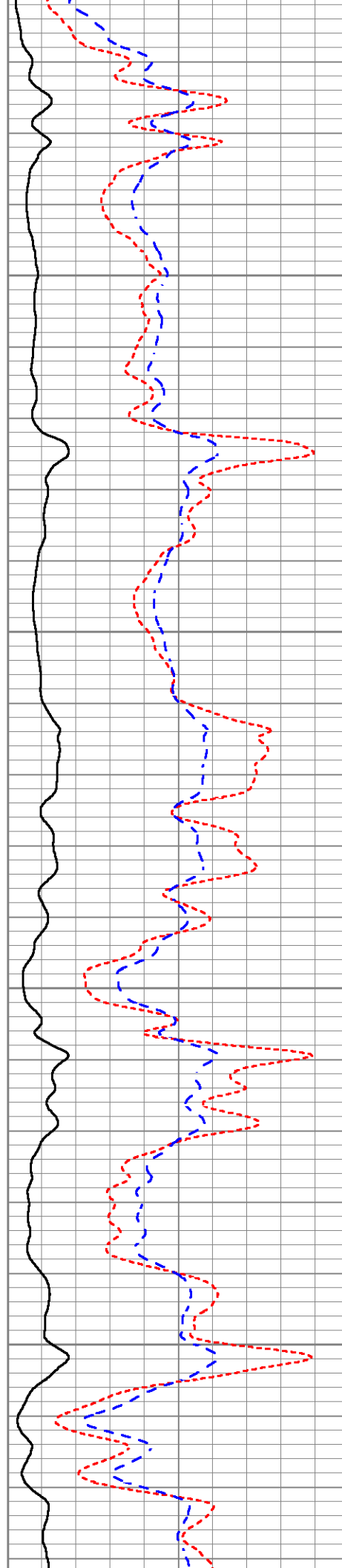


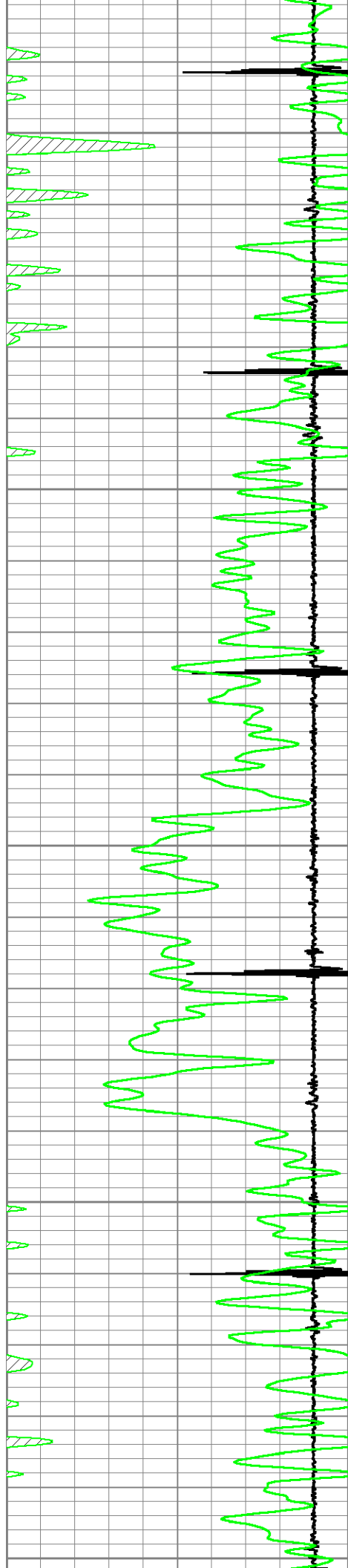
1450

1500

1550

1600





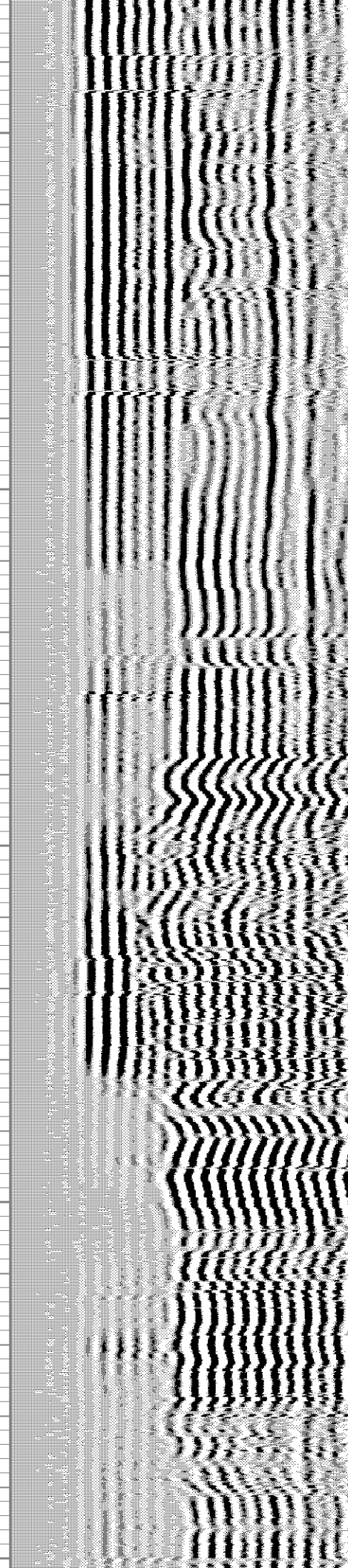
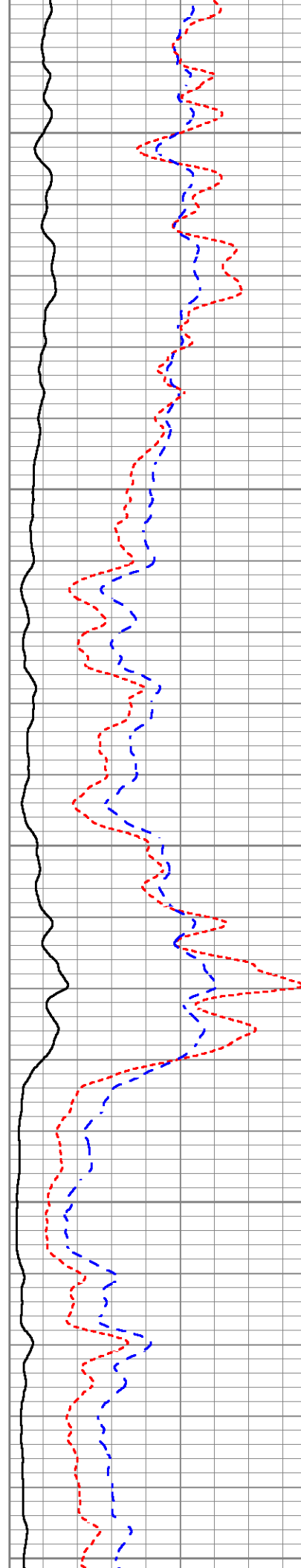
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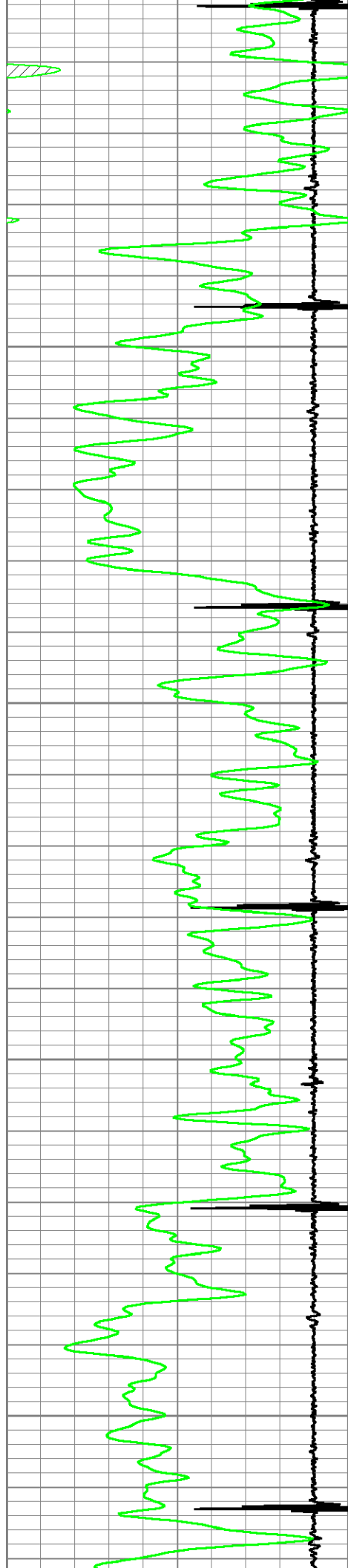
1700

1750

1800

1850



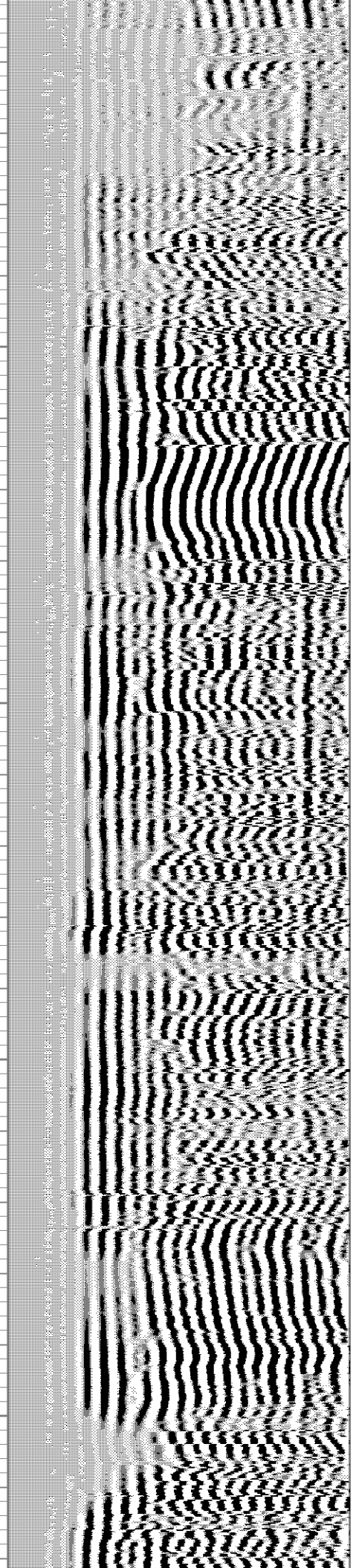
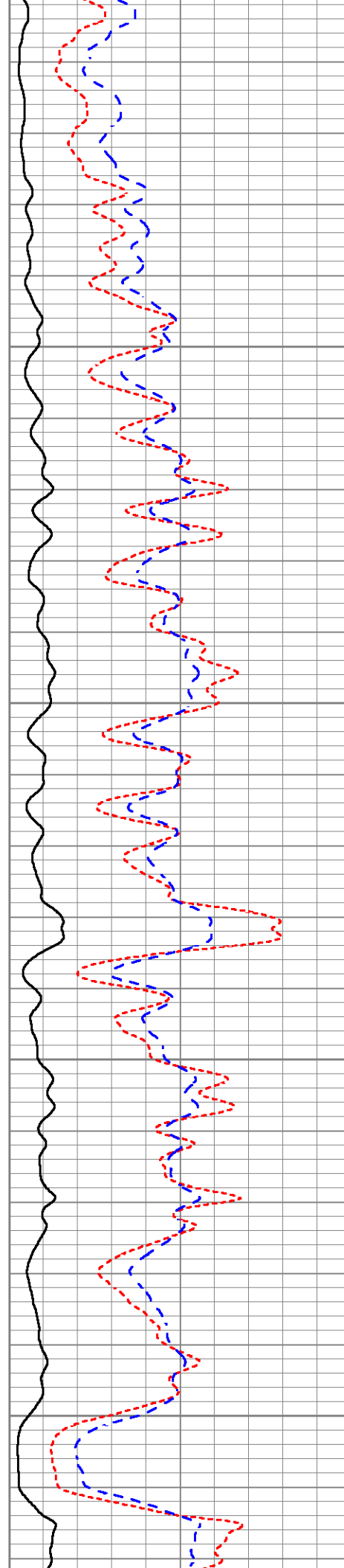


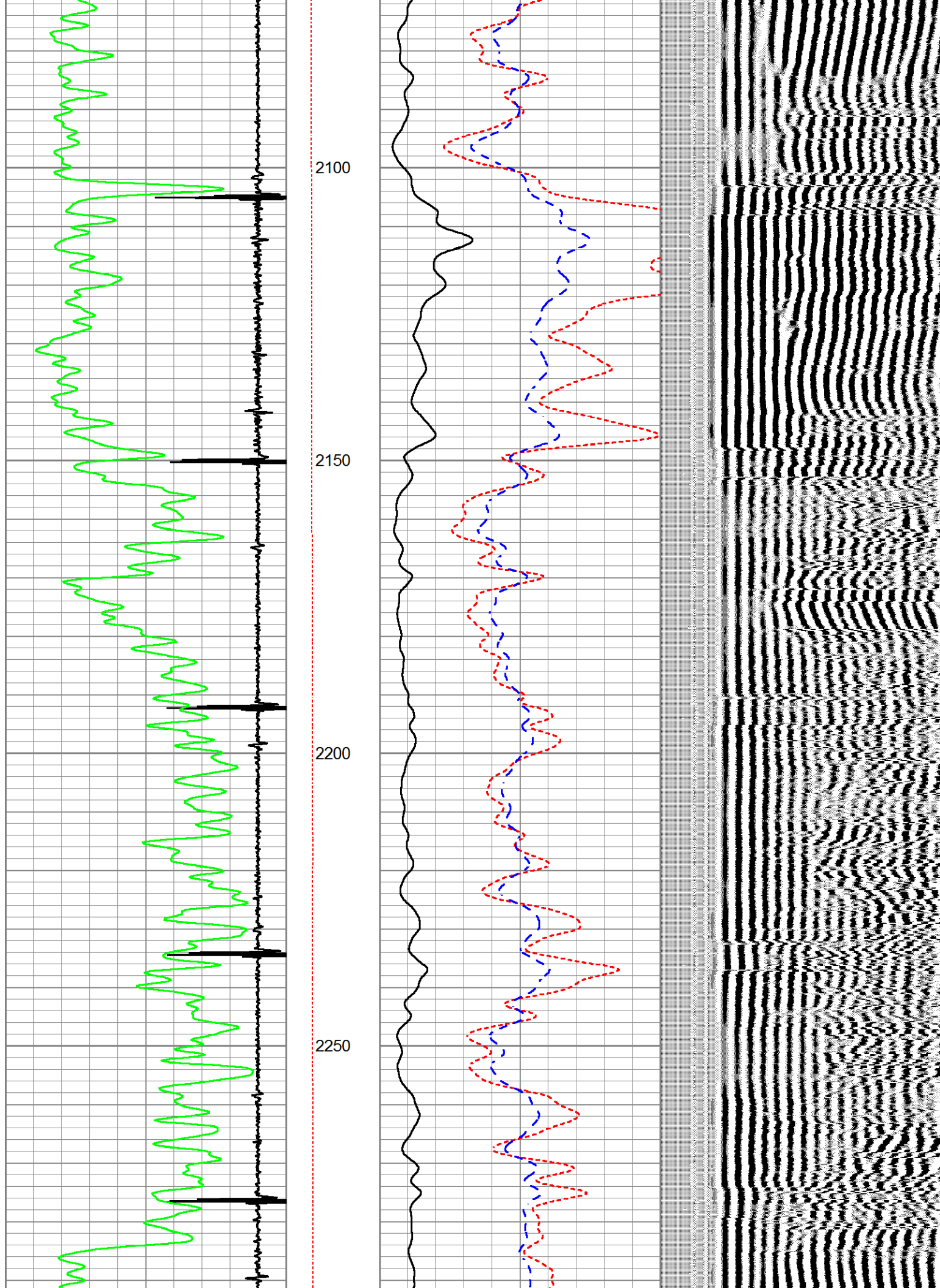
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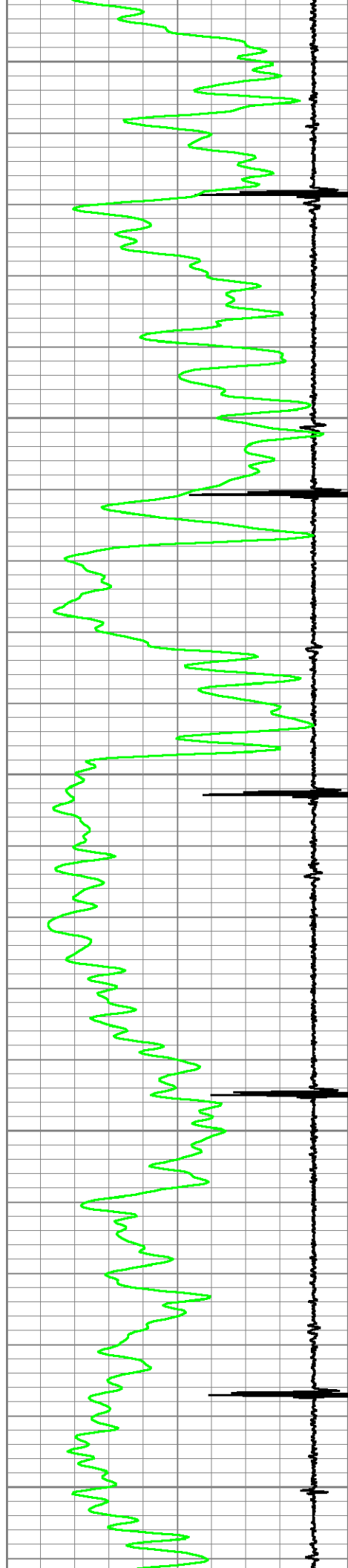
1950

2000

2050







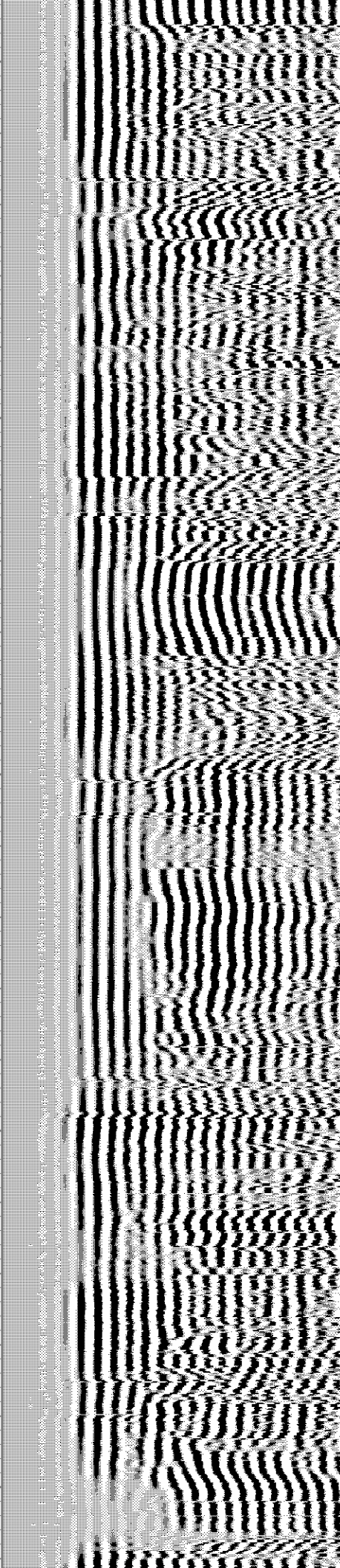
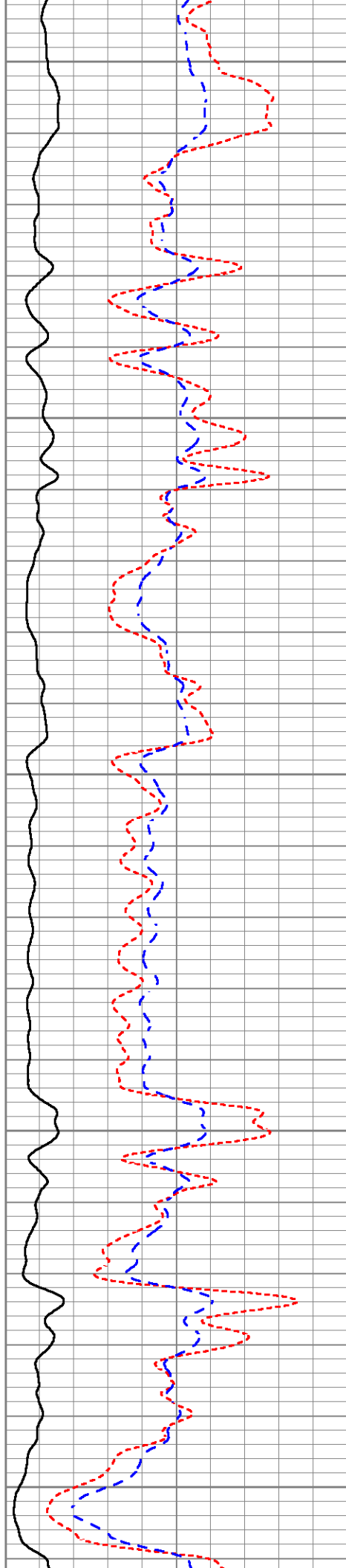
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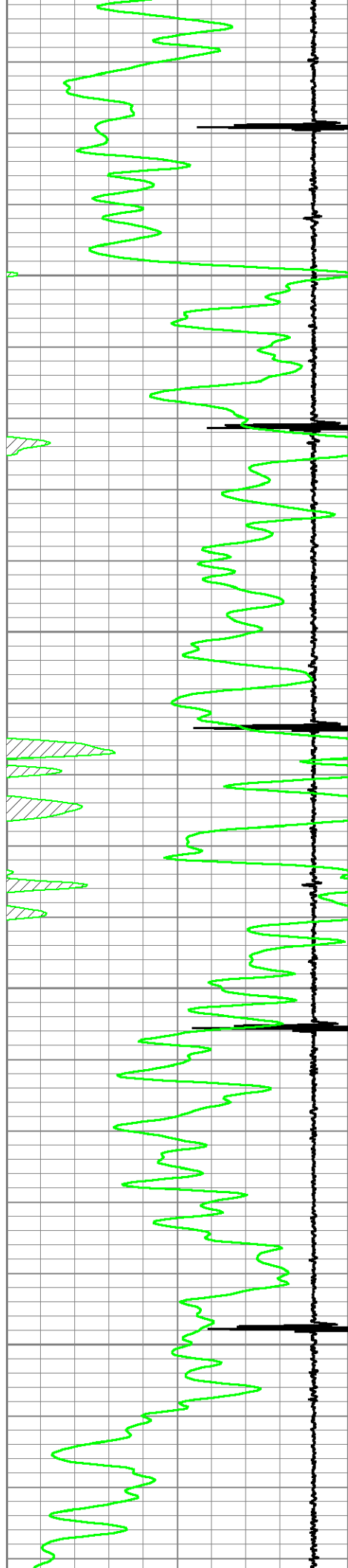
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2400

2450

2500



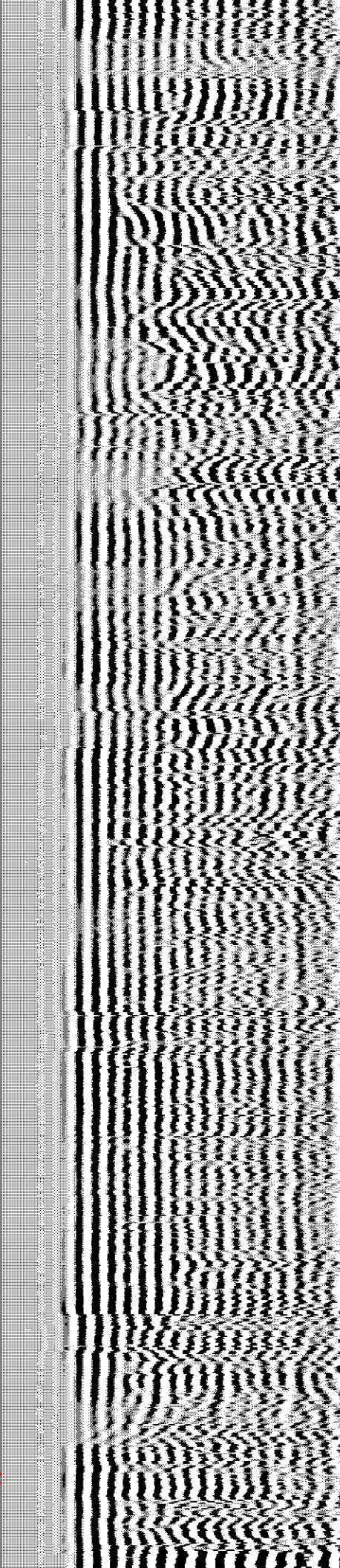
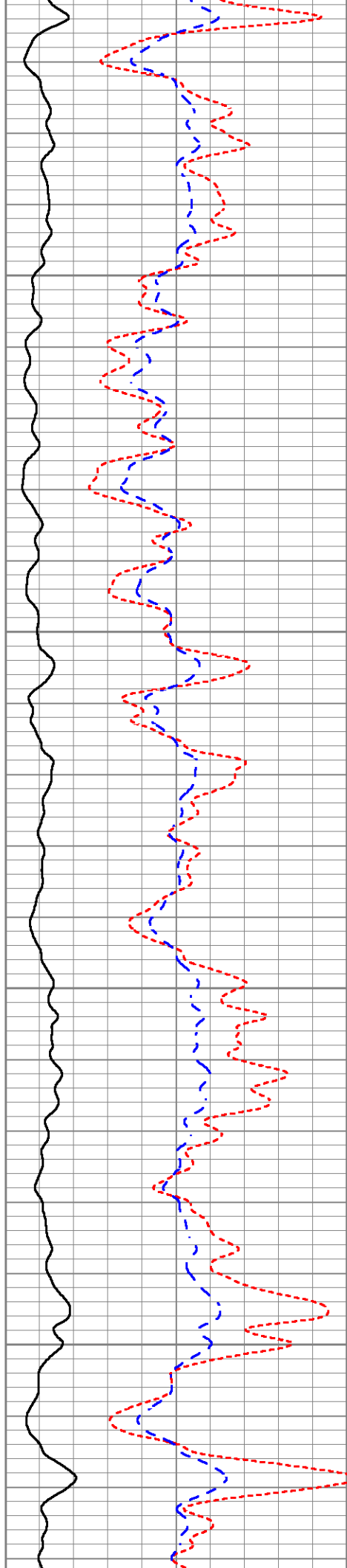


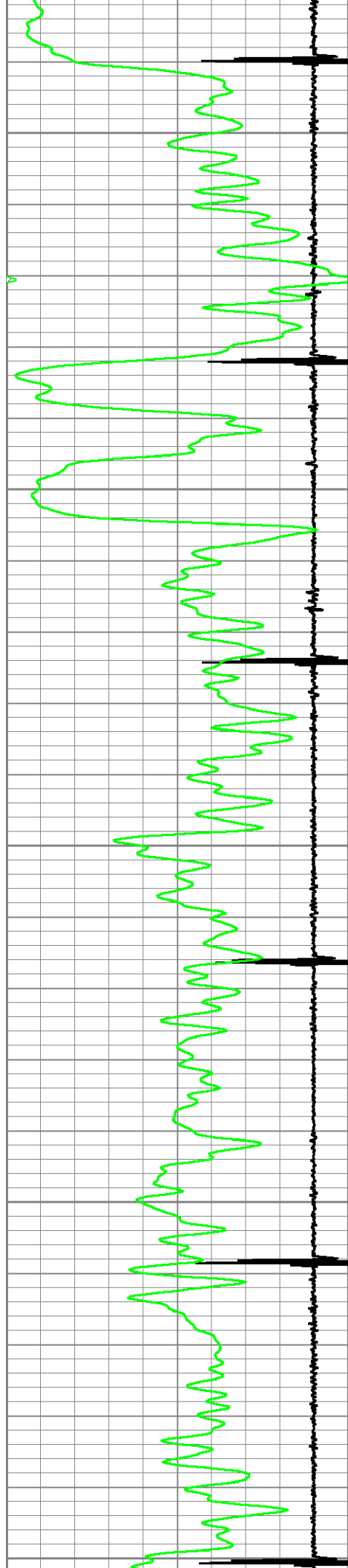
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2600

2650

2700





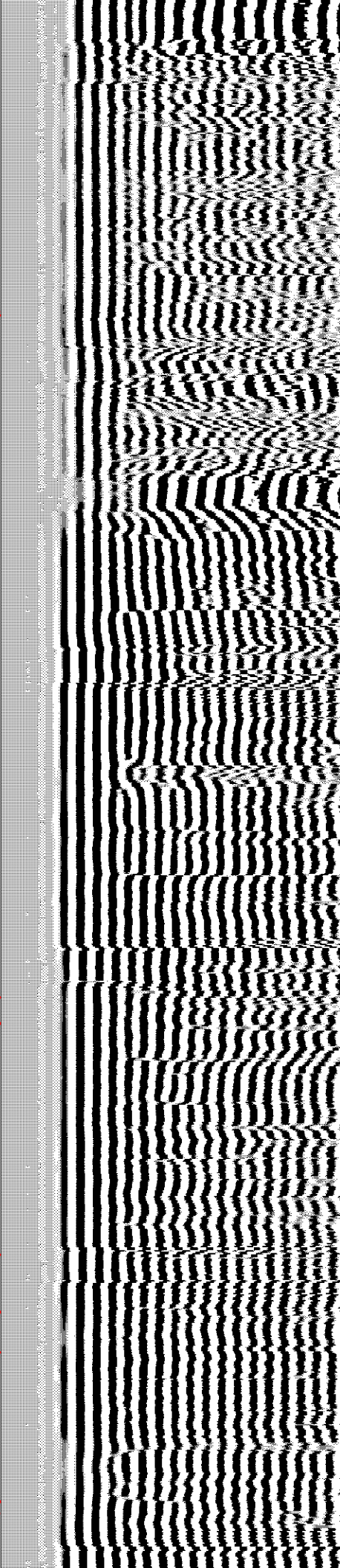
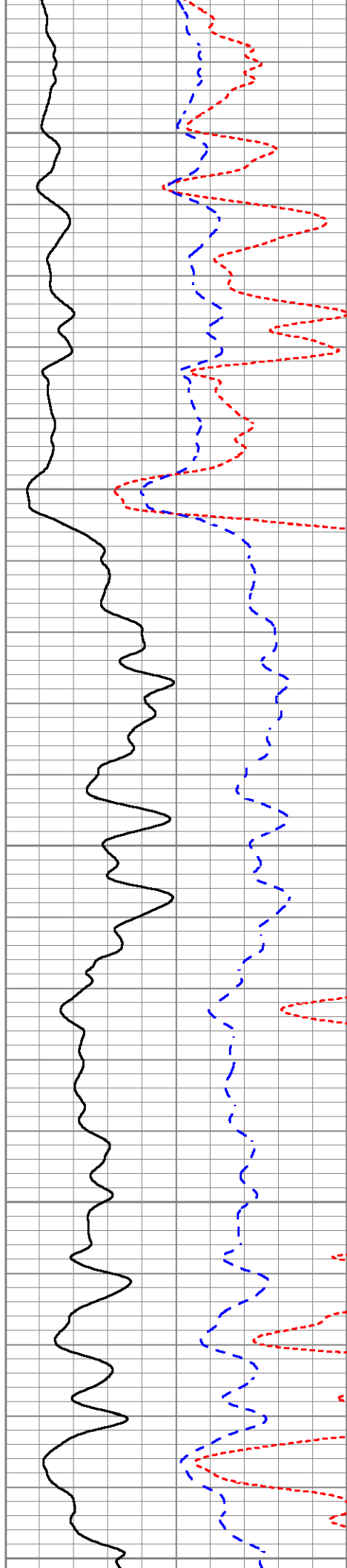
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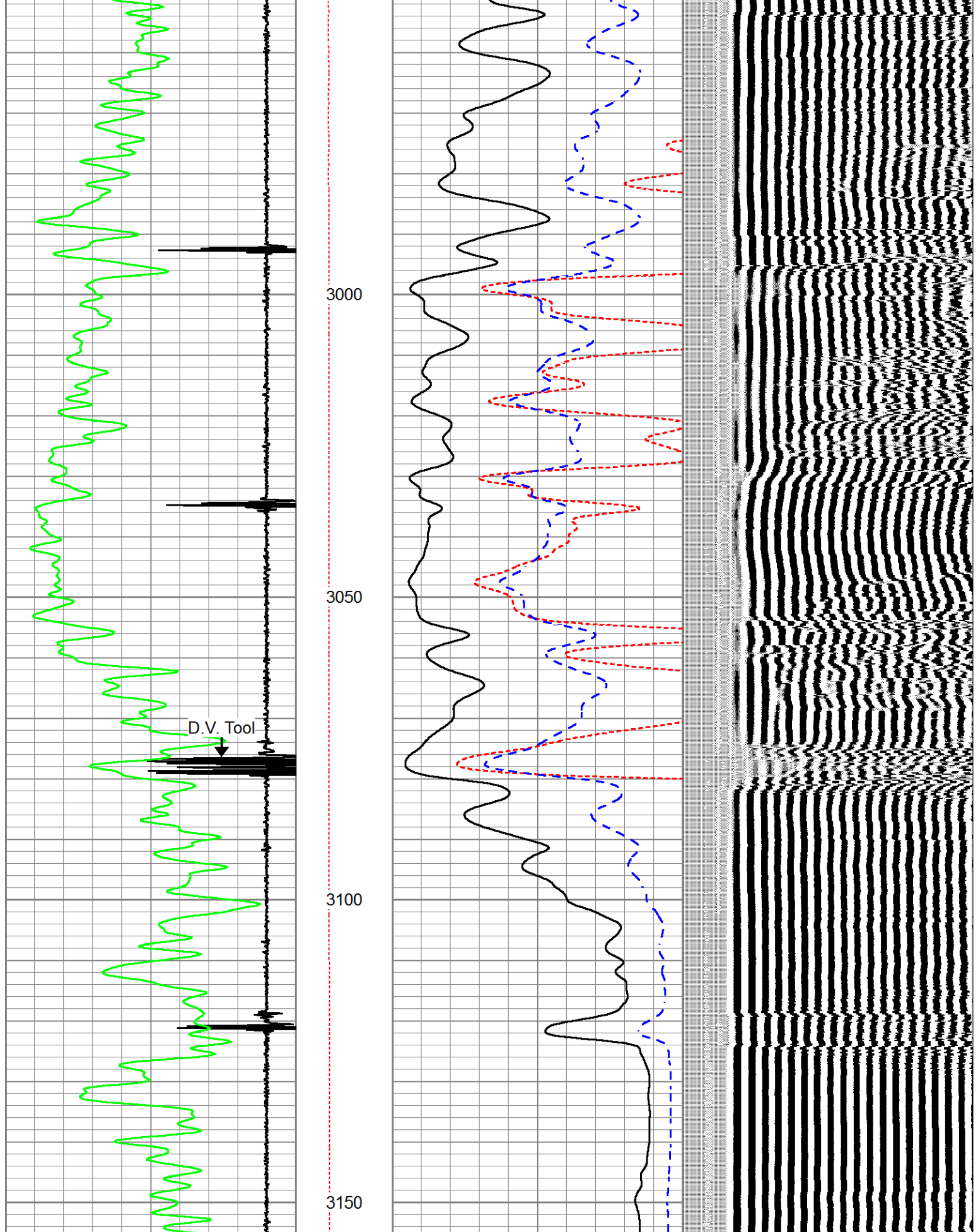
2800

2850

2900

2950

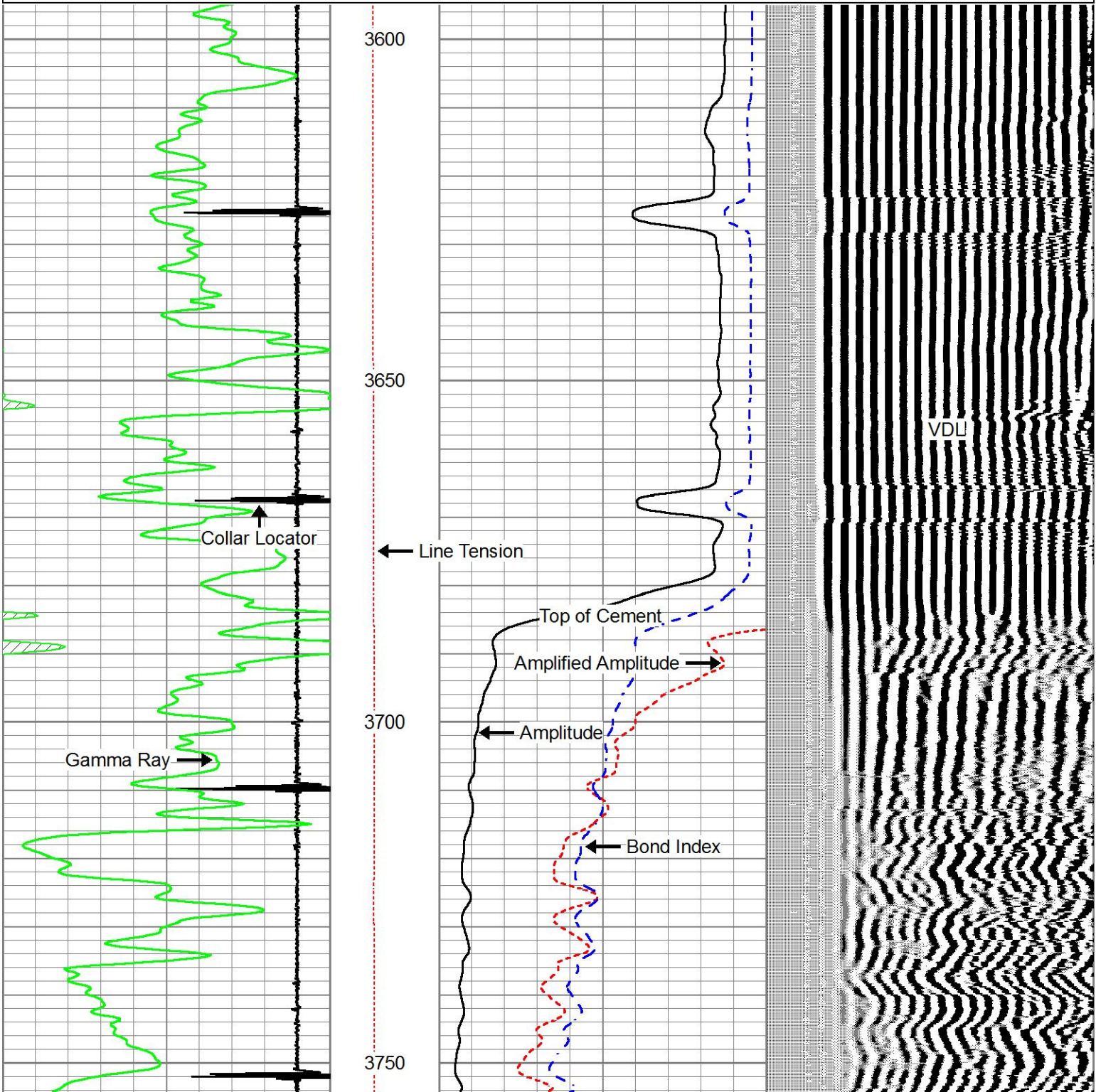


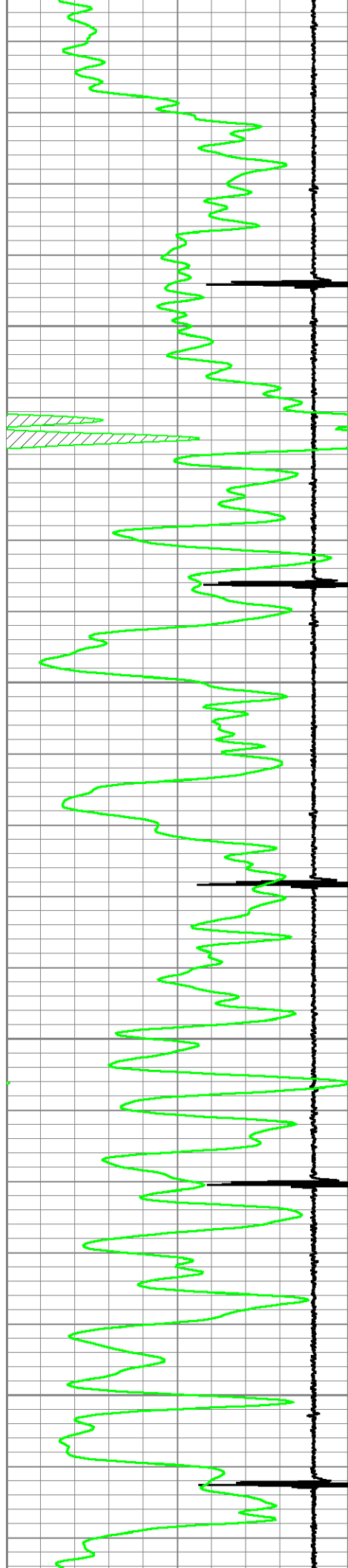


-9	Collar Locator	1	Line Tension	0	Amplified Amplitude (mV)	20	200	VDL	1200
0	Gamma Ray	150		0	Amplitude (mV)	100			
			0 (lb2000)	1	Bond Index	0			

Database File slawson_faber_#1-26.db
 Dataset Pathname CBL/pass4.11
 Presentation Format PINR_C~1
 Dataset Creation Tue Oct 25 12:26:40 2016
 Charted by Depth in Feet scaled 1:240

-9	Collar Locator	1	Line	0	Amplified Amplitude (mV)	20	200	VDL	1200
0	Gamma Ray	150	Tension	0	Amplitude (mV)	100			
			0 (lb2000)	1	Bond Index	0			



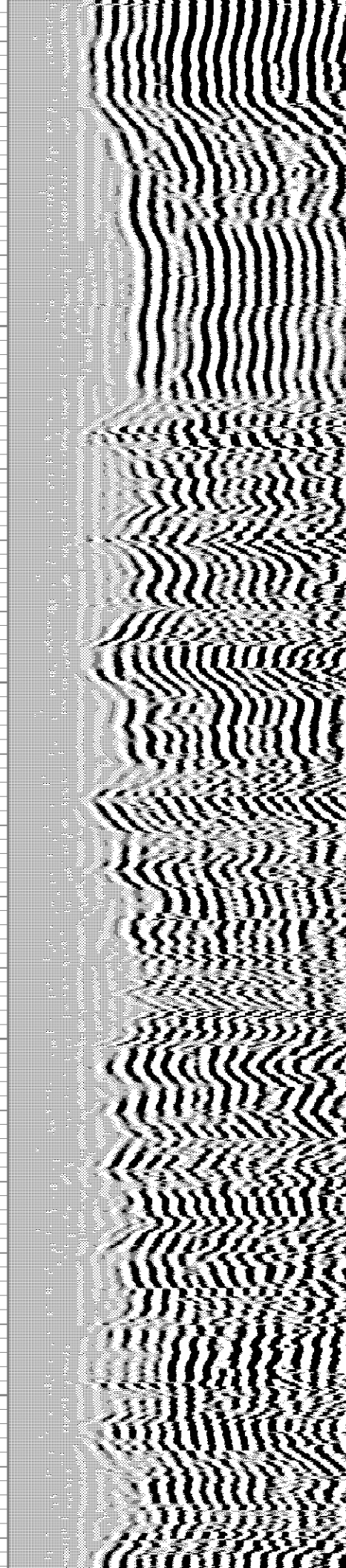
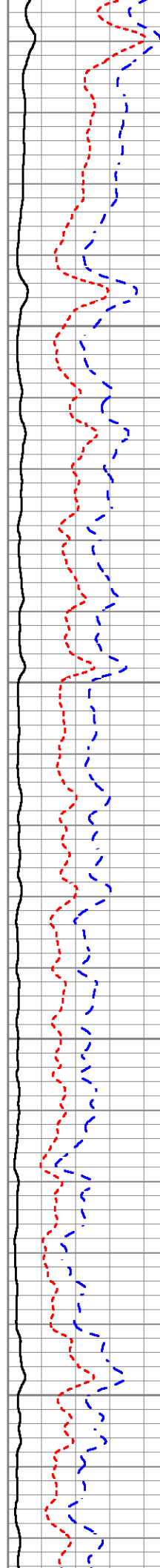


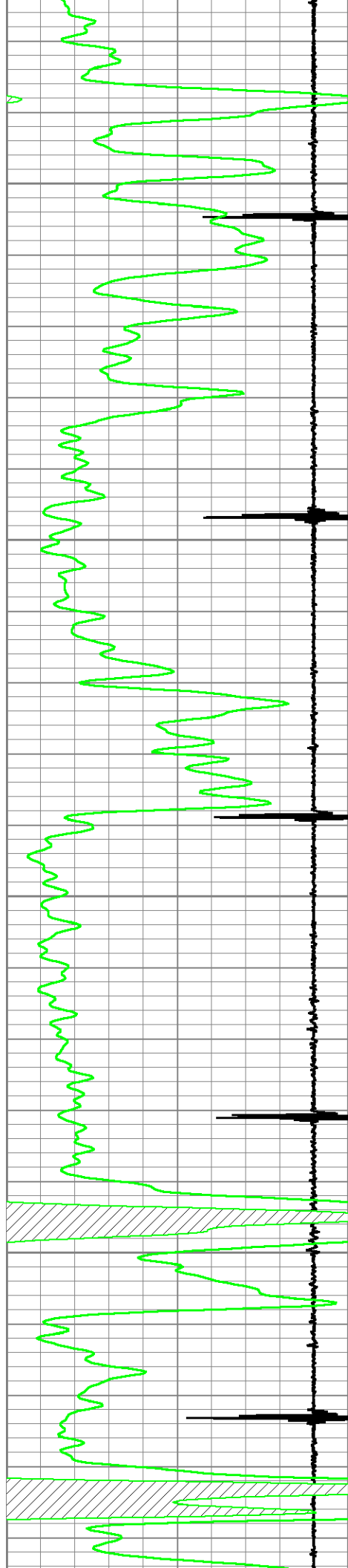
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3850

3900

3950



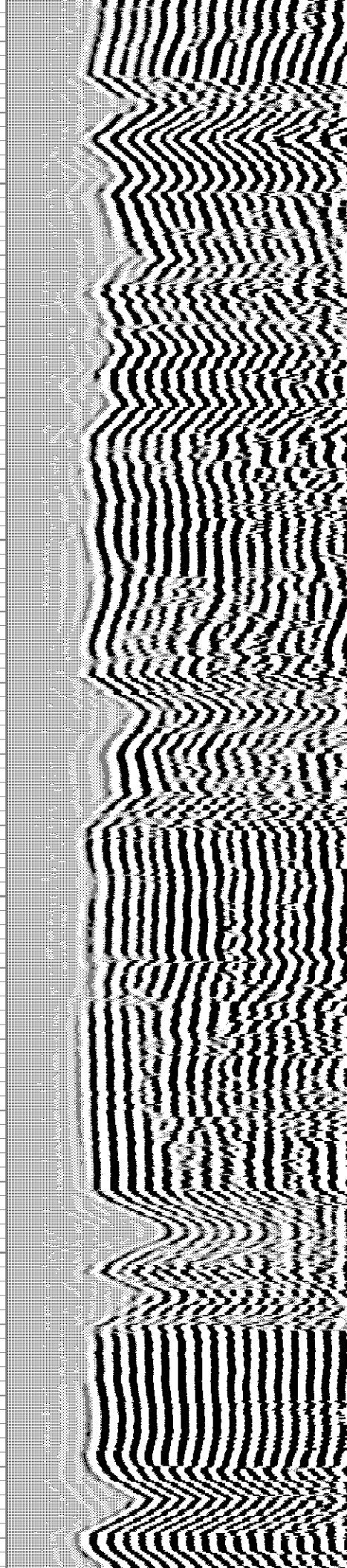
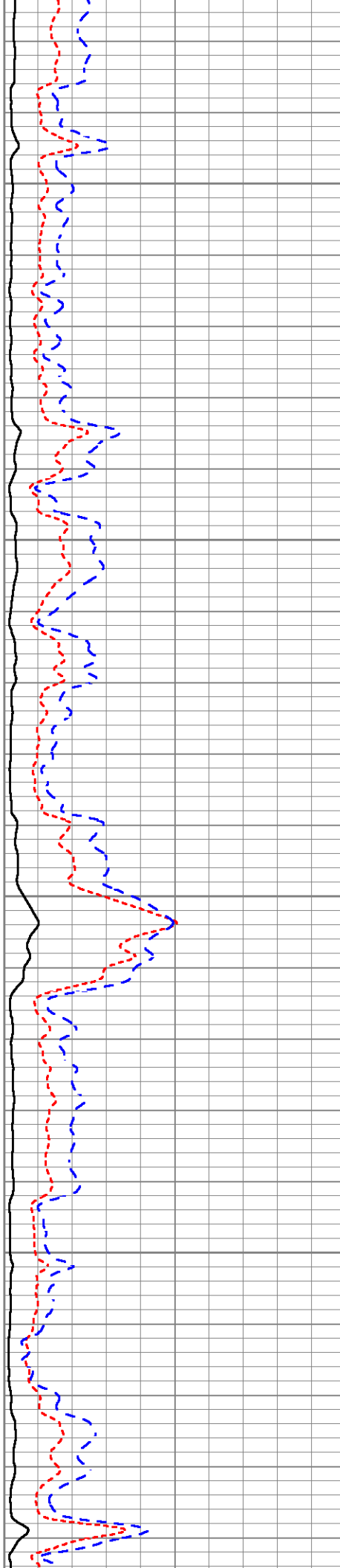


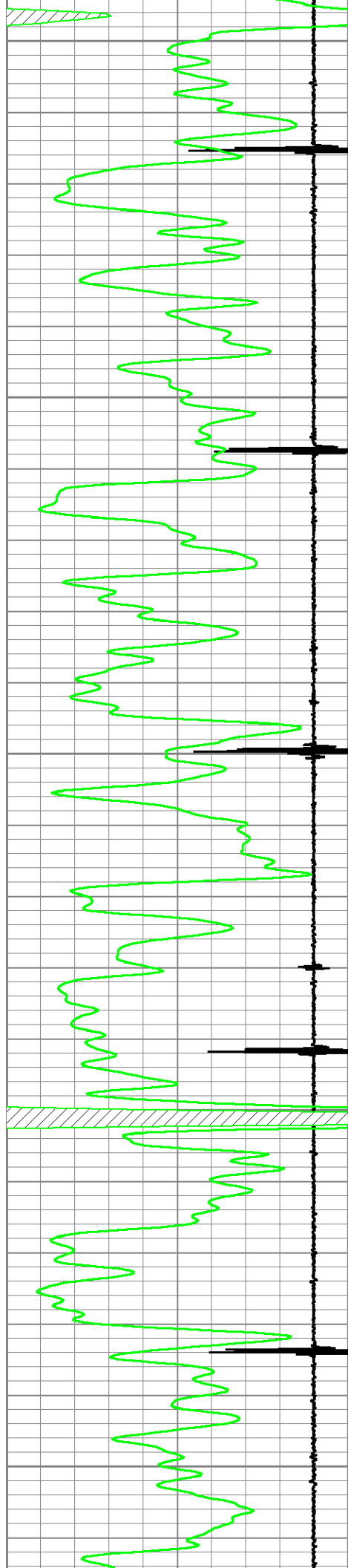
4000

4050

4100

4150





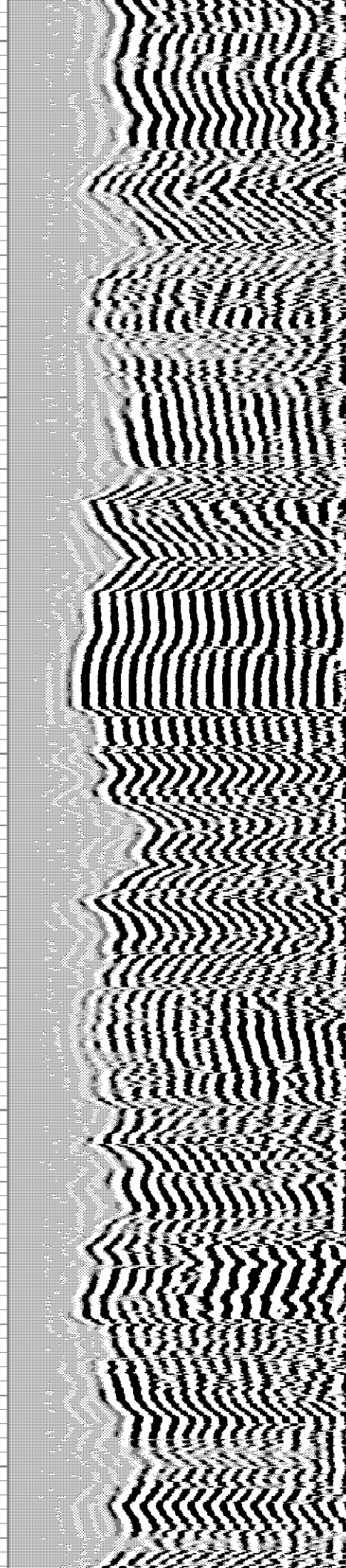
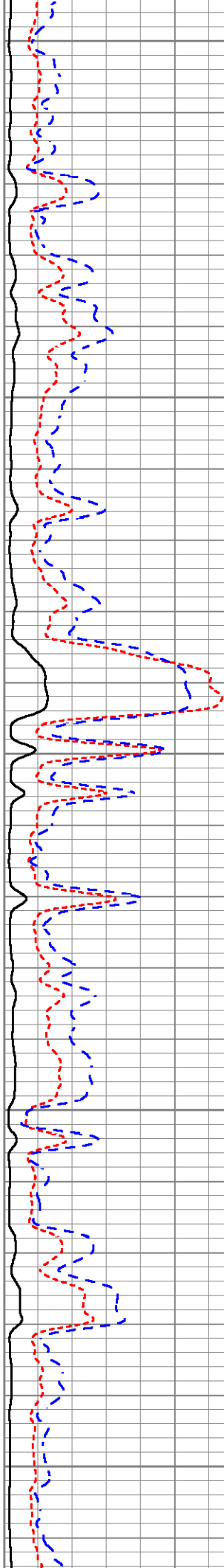
4200

4250

4300

4350

4400



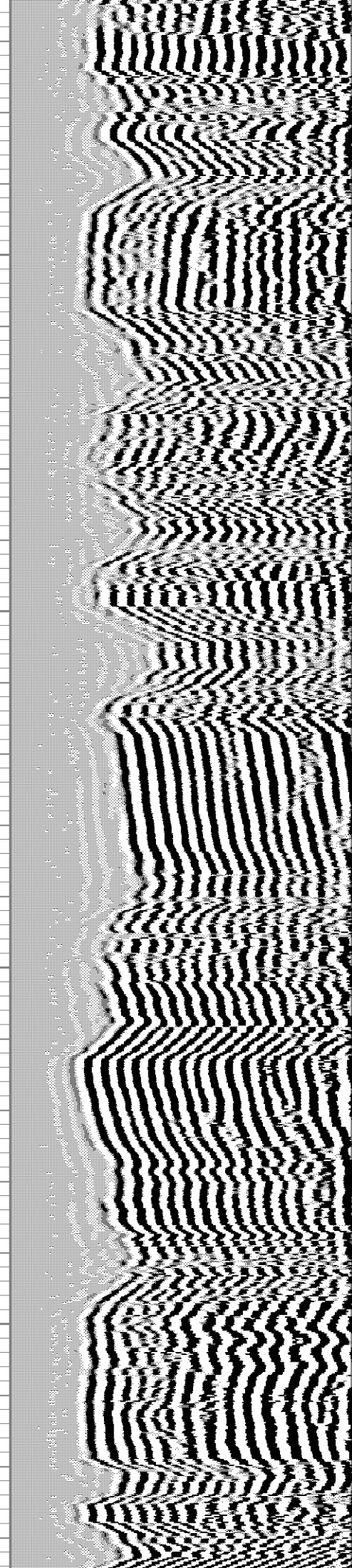
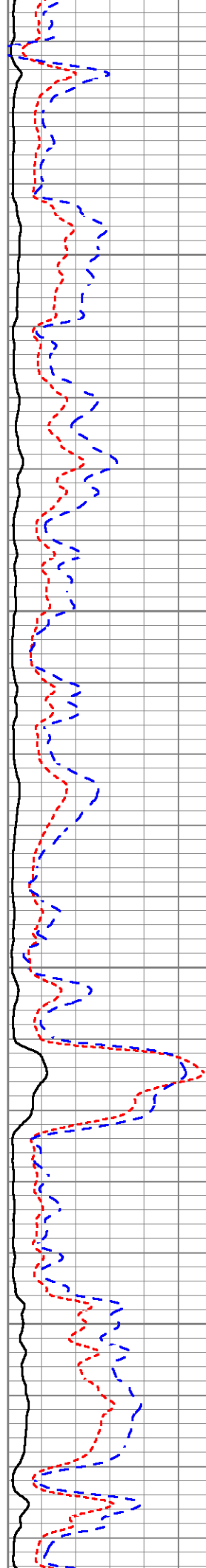


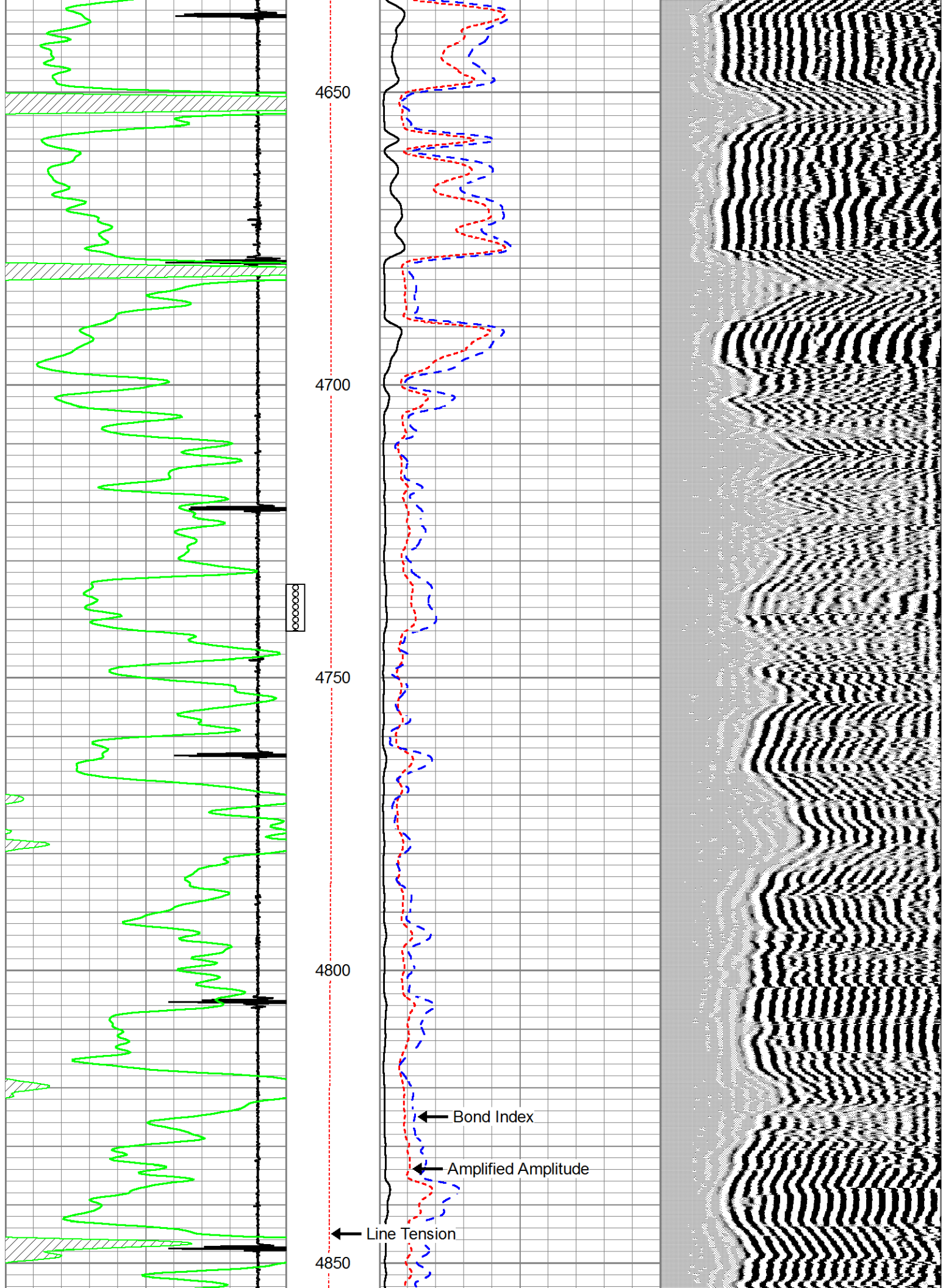
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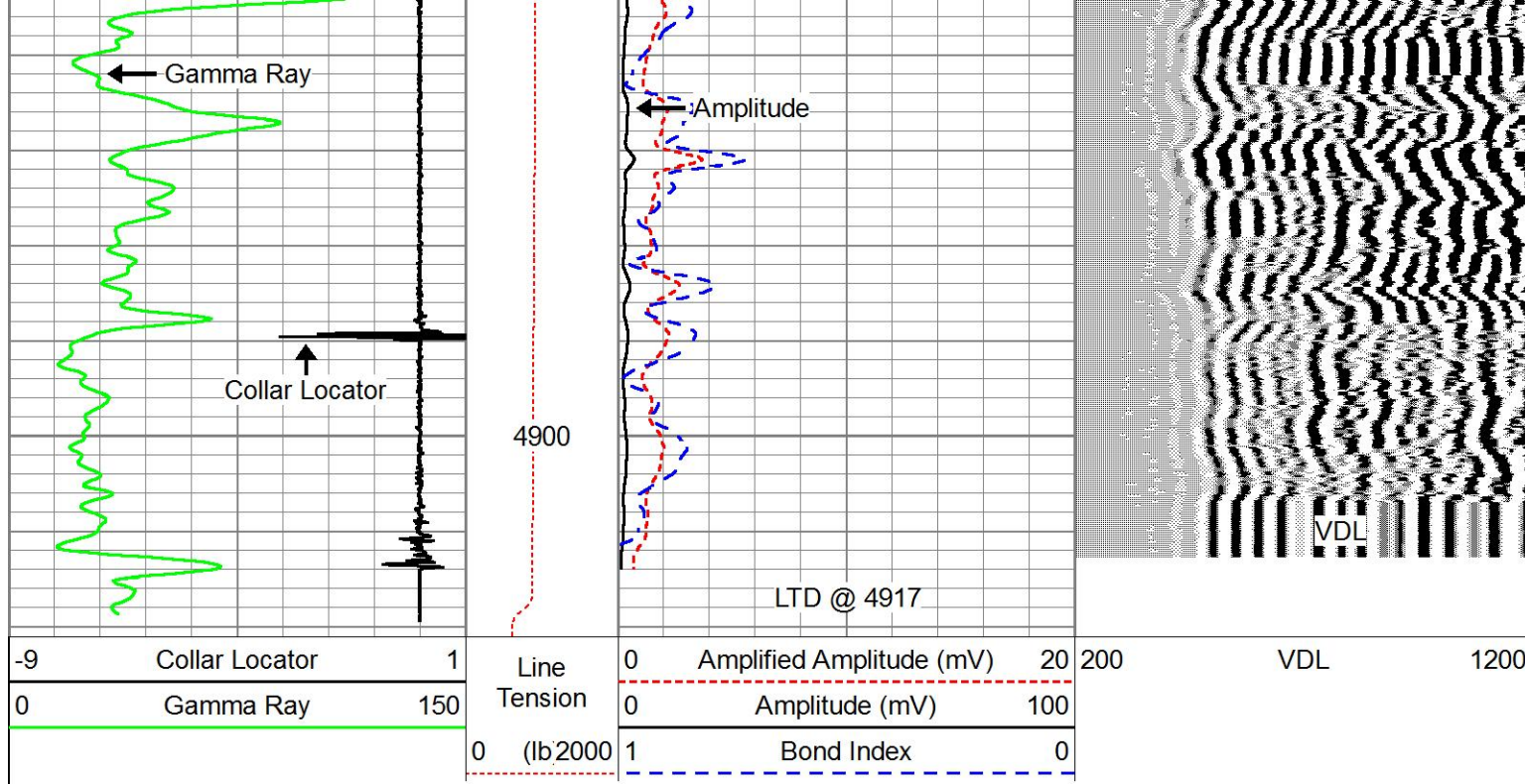
4500

4550

4600









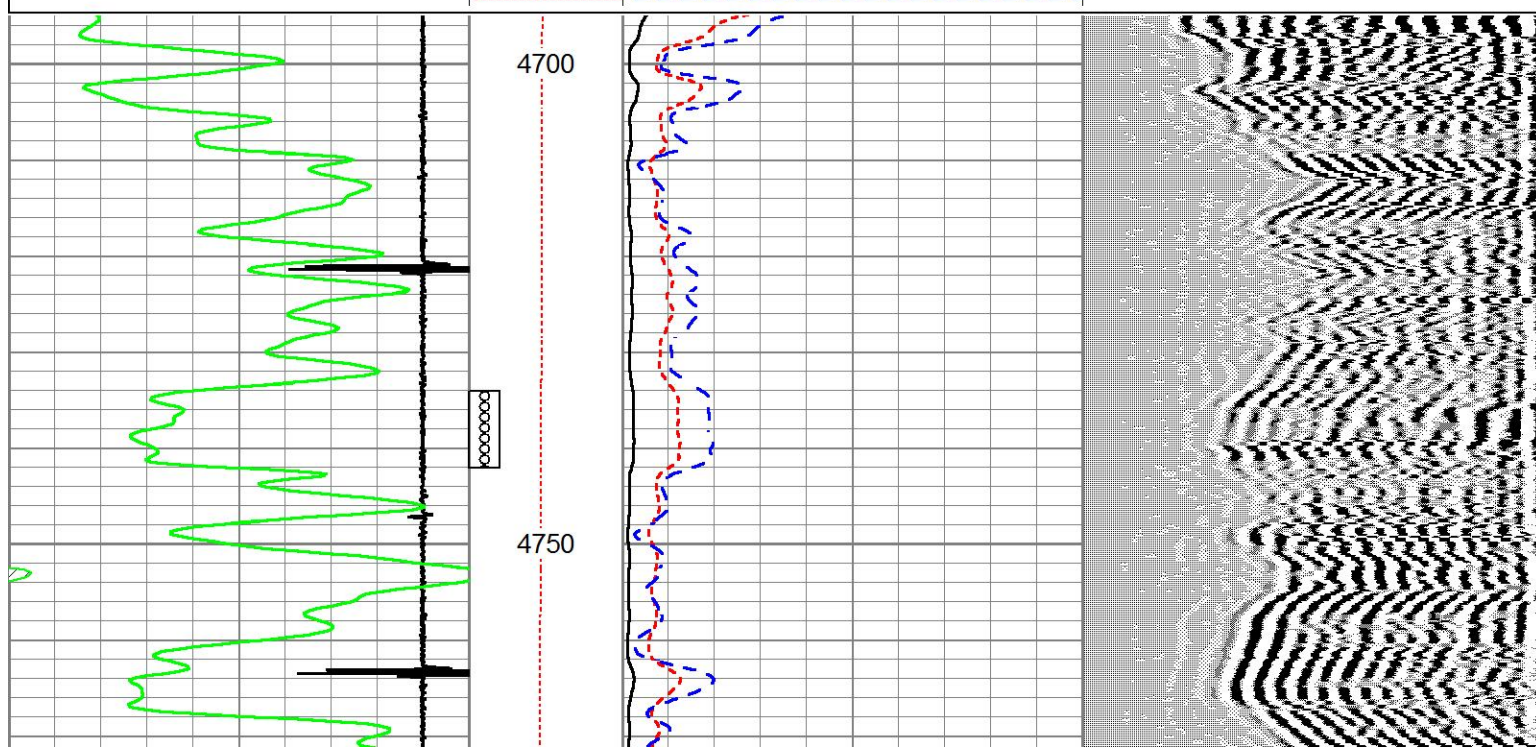
PIONEER
Pioneer Energy Services

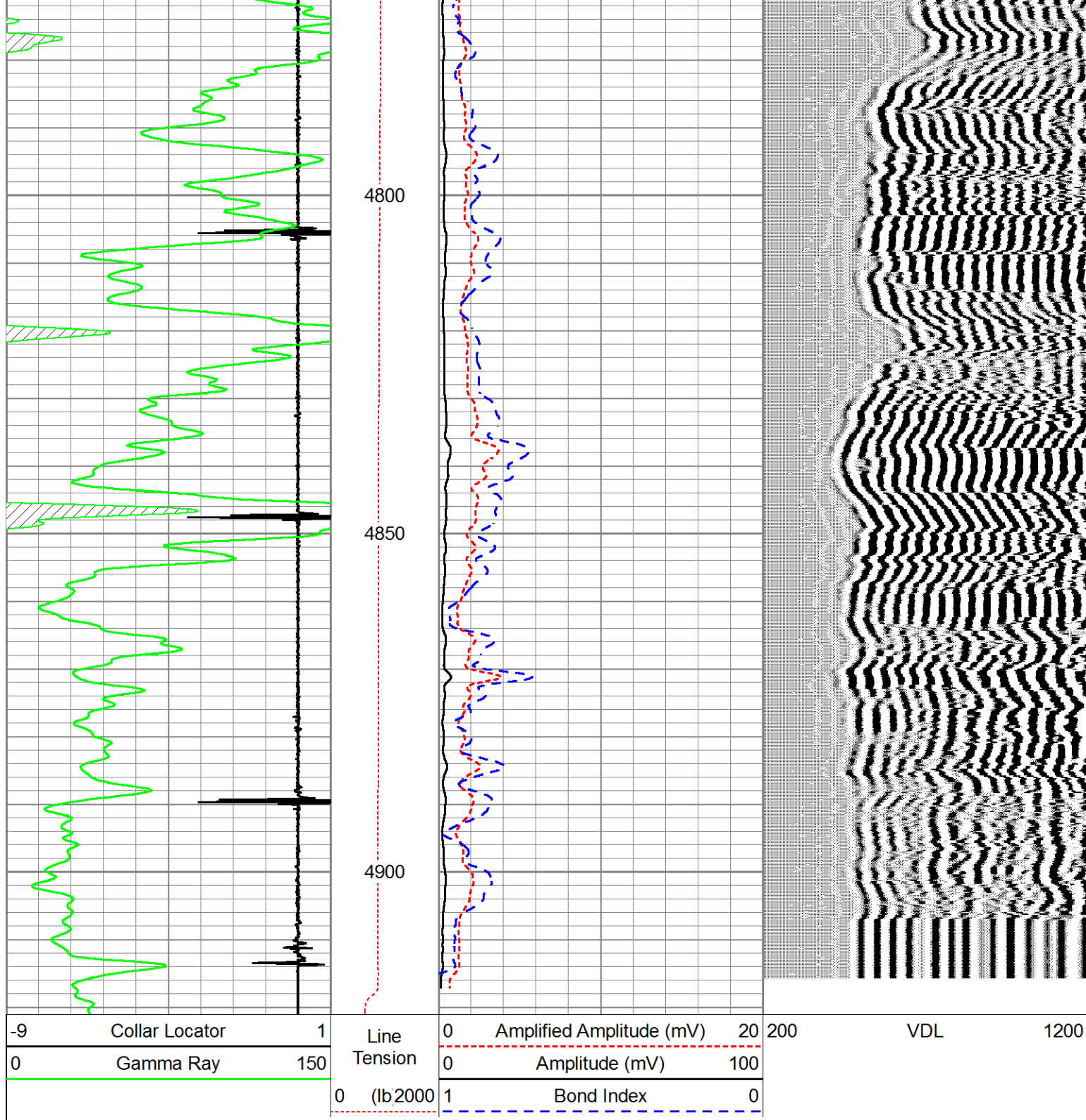
REPEAT SECTION

00 PSI APPLIED AT SURFACE

Database File: slawson_faber_#1-26.db
 Dataset Pathname: CBL/pass3
 Presentation Format: PINR_C~1
 Dataset Creation: Tue Oct 25 11:49:38 2016
 Charted by: Depth in Feet scaled 1:240

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0	Gamma Ray	150		0	Amplitude (mV)	100			
				0 (lb2000)	1	Bond Index	0		





Calibration Report

Database File slawson_faber_#1-26.db
 Dataset Pathname CBL/pass4.11
 Dataset Creation Tue Oct 25 12:26:40 2016

Gamma Ray Calibration Report

Serial Number: Probe04
 Tool Model: Probe0004
 Performed: Wed Oct 14 14:19:23 2015

Calibrator Value: 1.0

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Calibrator Reading: 1.0 cps
Sensitivity: 0.9200 /cps

Segmented Cement Bond Log Calibration Report

Serial Number: 080554 RBL-D
Tool Model: Probe

Calibration Casing Diameter: 4.500 in
Calibration Depth: 3411.058 ft

Master Calibration, performed Tue Oct 25 11:42:03 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	2.071	0.700	81.196	38.880	0.670
CAL	0.071	2.376				
5'	0.000	2.042	0.700	81.196	39.434	0.692
SUM						
S1	-0.070	1.992	0.000	100.000	48.499	3.412
S2	-0.078	2.021	0.000	100.000	47.641	3.699
S3	-0.090	2.071	0.000	100.000	46.278	4.160
S4	-0.105	2.064	0.000	100.000	46.108	4.842
S5	-0.103	2.063	0.000	100.000	46.164	4.762
S6	-0.106	2.129	0.000	100.000	44.735	4.737
S7	-0.099	2.143	0.000	100.000	44.593	4.416
S8	-0.076	2.036	0.000	100.000	47.367	3.580

Air Zero Calibration, performed Tue Oct 25 11:18:30 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	



Company SLAWSON EXPL. COMPANY, INC.
Well FABER #1-26
Field WILDCAT
County RAWLINS
State KANSAS