



CEMENT
BOND
LOG

Company John O Farmer Inc.

Well Nuss C #1

Field Reed

County Ellis

State KS

Location:

API # : 15 051 26887

SEC 32 TWP 12S RGE 17W

920' FSL & 1585' FEL

Permanent Datum Ground Level Elevation 2061'

Log Measured From KB 8' AGL

Drilling Measured From KB

Elevation
K.B. 2069'
D.F. 2068'
G.L. 2061'

Date 09-08-2017

Run Number One

Depth Driller 3680'

Depth Logger 3635'

Bottom Logged Interval 3633'

Top Log Interval 2450'

Open Hole Size 7 7/8"

Type Fluid Water

Density / Viscosity IIII

Max. Recorded Temp. IIII

Estimated Cement Top 2634'

Time Well Ready Portable Mast

Time Logger on Bottom 10:20 a.m

Equipment Number T-968

Location Hays, KS

Recorded By Casey P.

Witnessed By Mr. Val Dreher

Borehole Record

Run Number

Bit

From

To

Size

Weight

From

To

Tubing Record

Run Number

Bit

From

To

Size

Weight

From

To

Size

8 5/8"

WqdFt

26#

Top

0'

Bottom

220'

Top

0'

Bottom

3675'

<<< Fold Here >>>

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

North on Toulon Avn. to Emmeram Rd.,
Then East 3/4 mi. on Emmeram Rd.,
North into Location

Thank you for using Gemini Wireline
785-625-1182

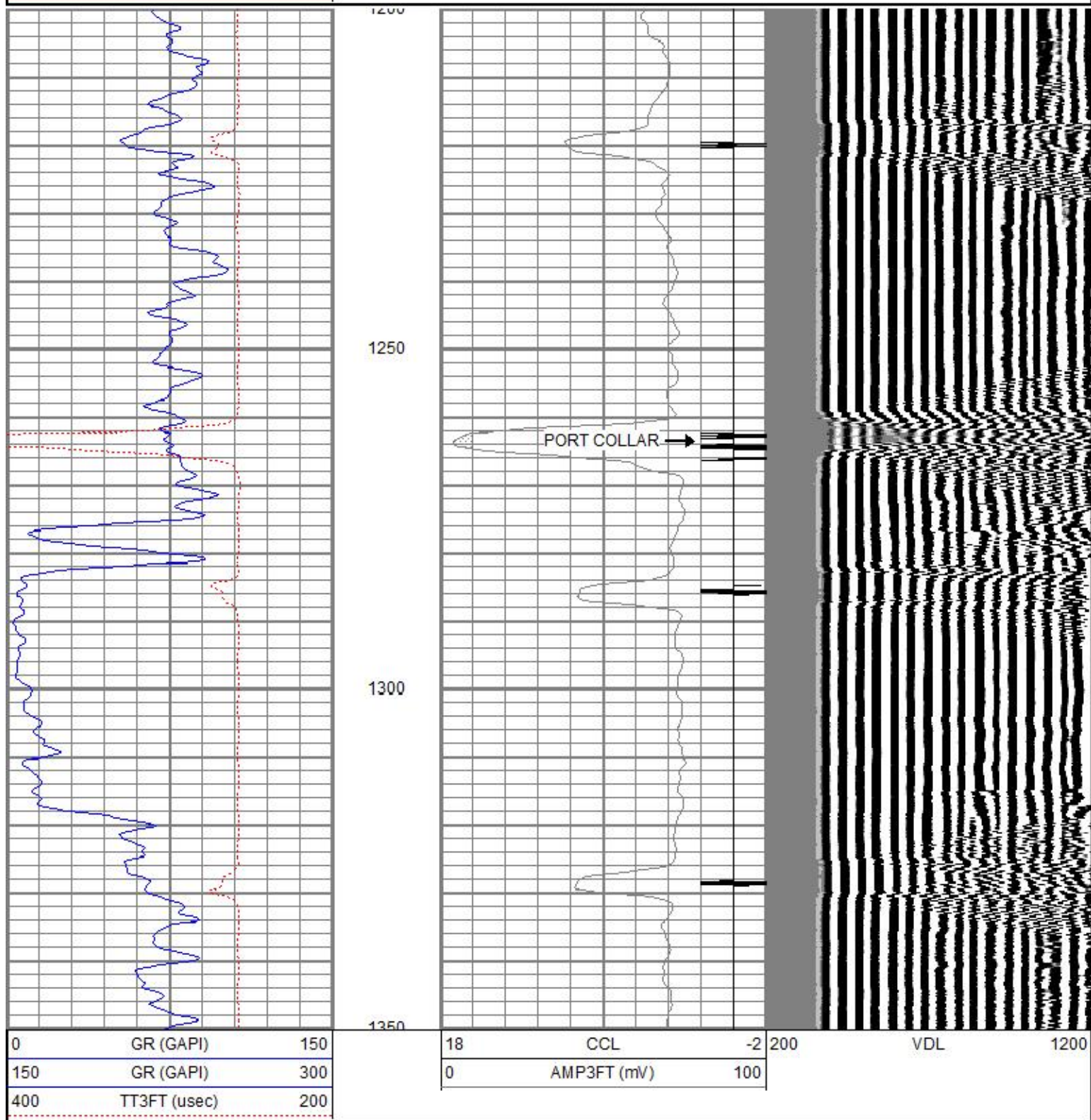


MAIN PASS

Database File jofgnussc1cbl.db
Dataset Pathname pass3
Presentation Format cbl
Dataset Creation Fri Sep 08 10:31:32 2017
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
150	GR (GAPI)	300
400	TT3FT (usec)	200

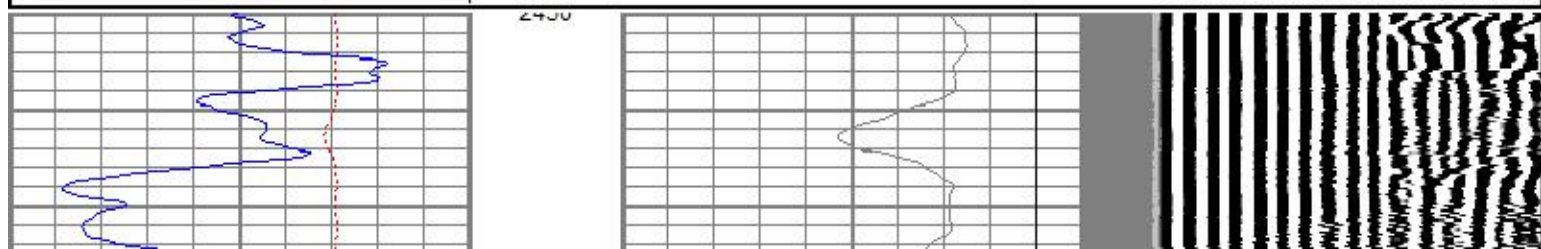
18	CCL	-2	200	VDL	1200
0	AMP3FT (mV)	100			

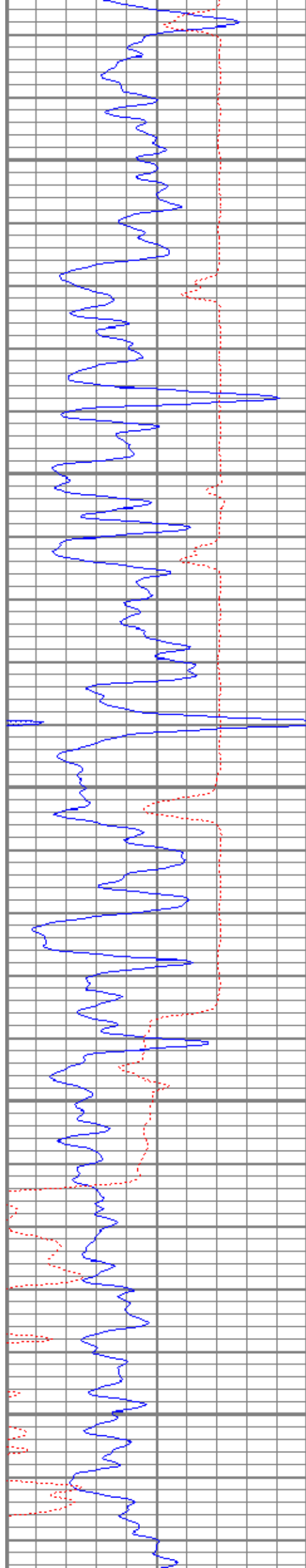


MAIN PASS

Database File jofgnussc1cbl.db
Dataset Pathname pass2
Presentation Format cbl
Dataset Creation Fri Sep 08 10:01:54 2017
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3FT (mV)	100			
400	TT3FT (usec)	200						





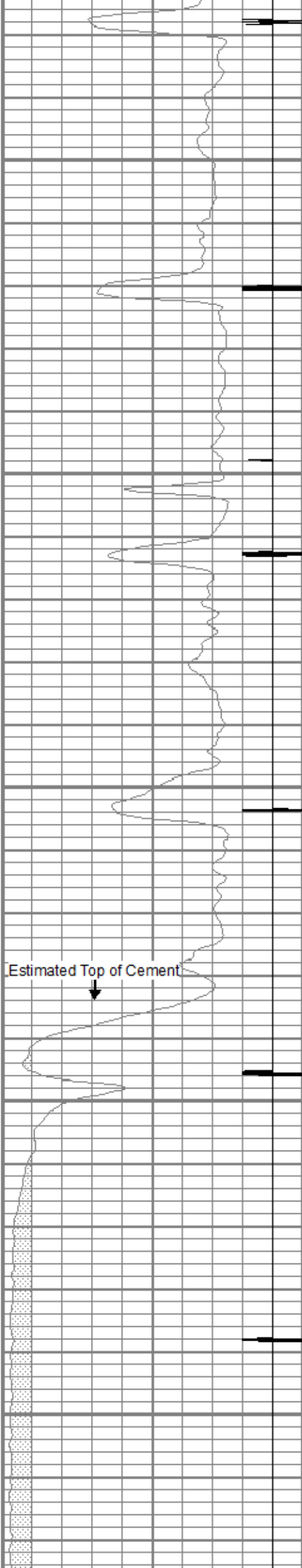
2500

2550

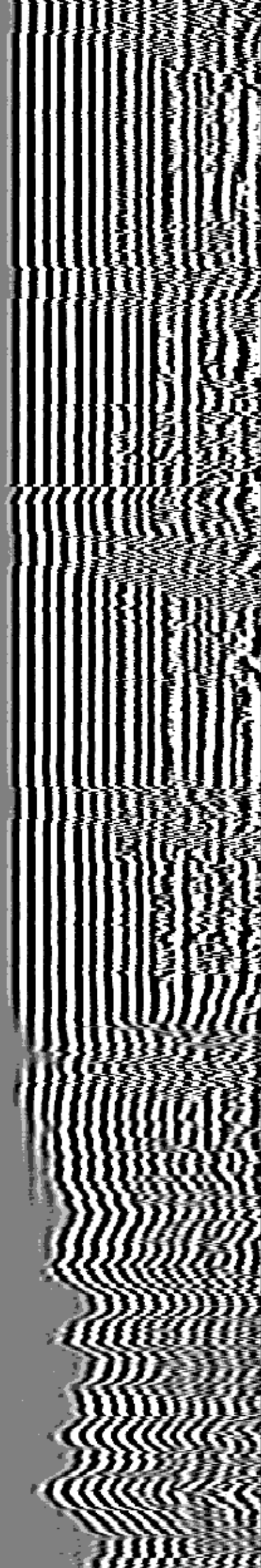
2600

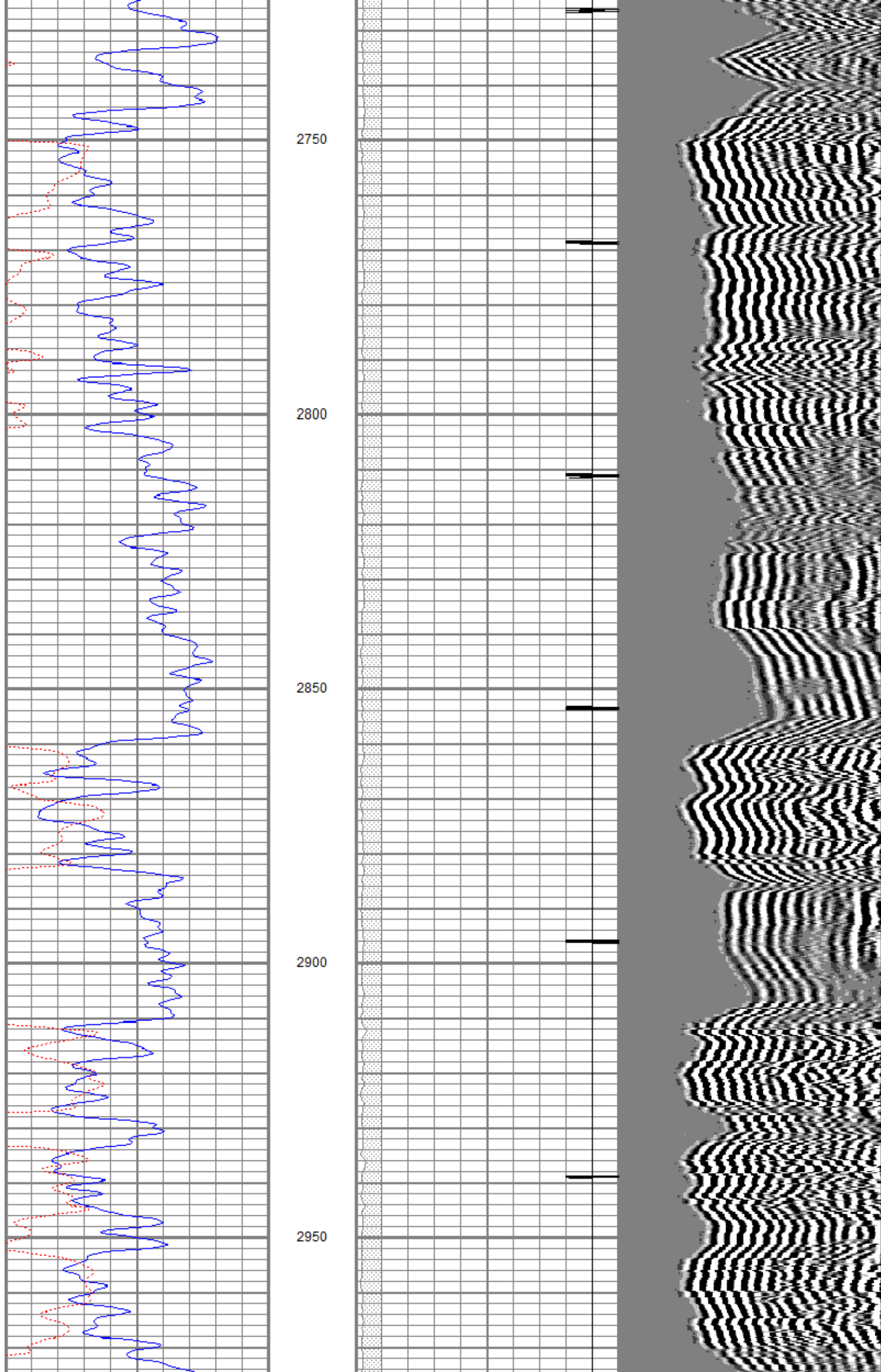
2650

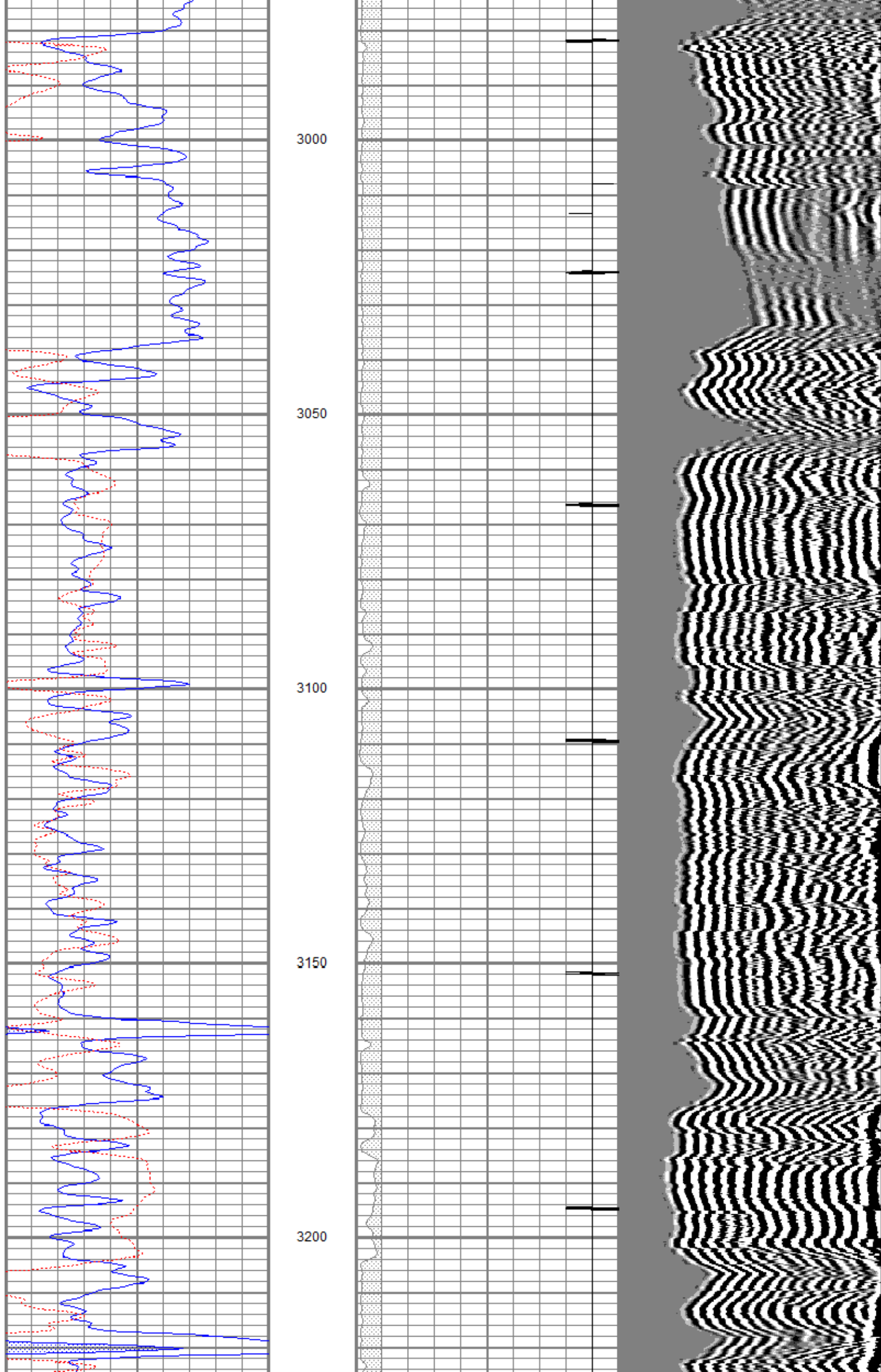
2700

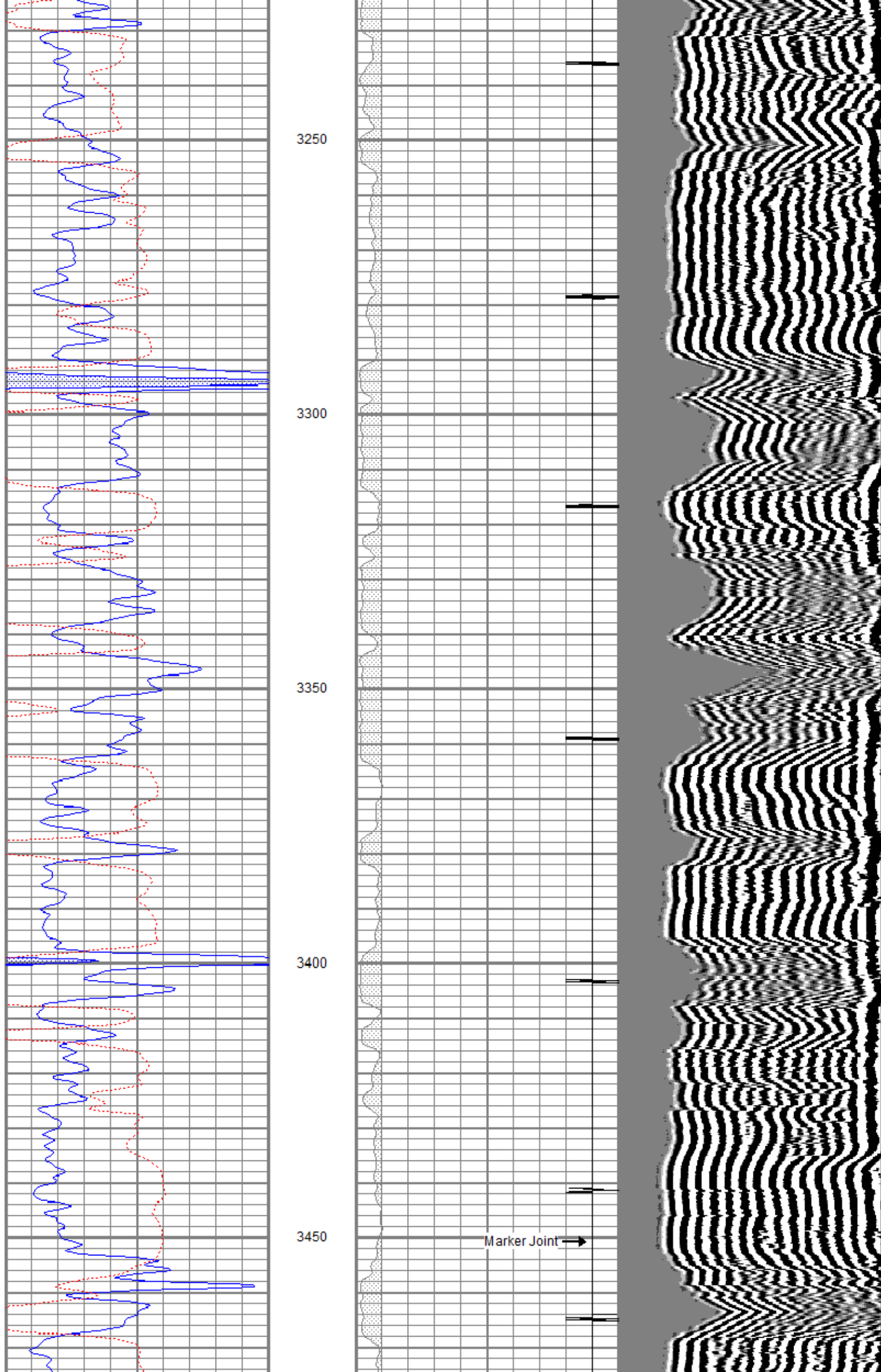


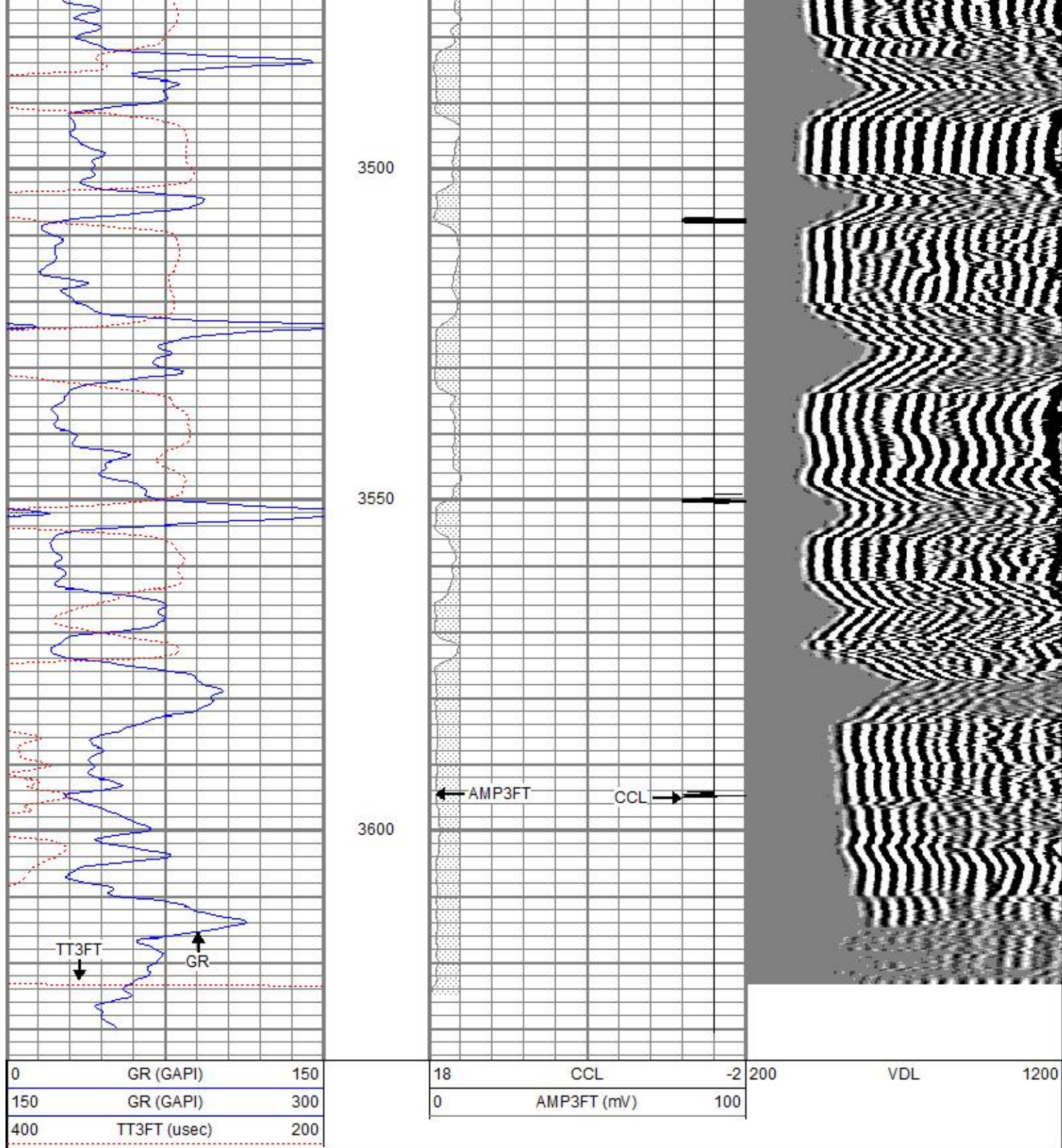
Estimated Top of Cement







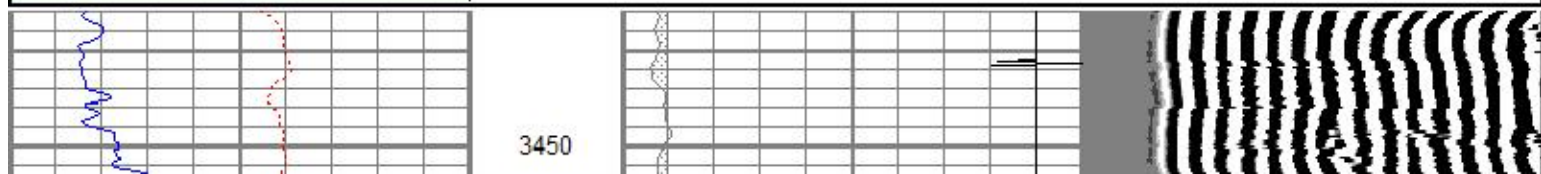


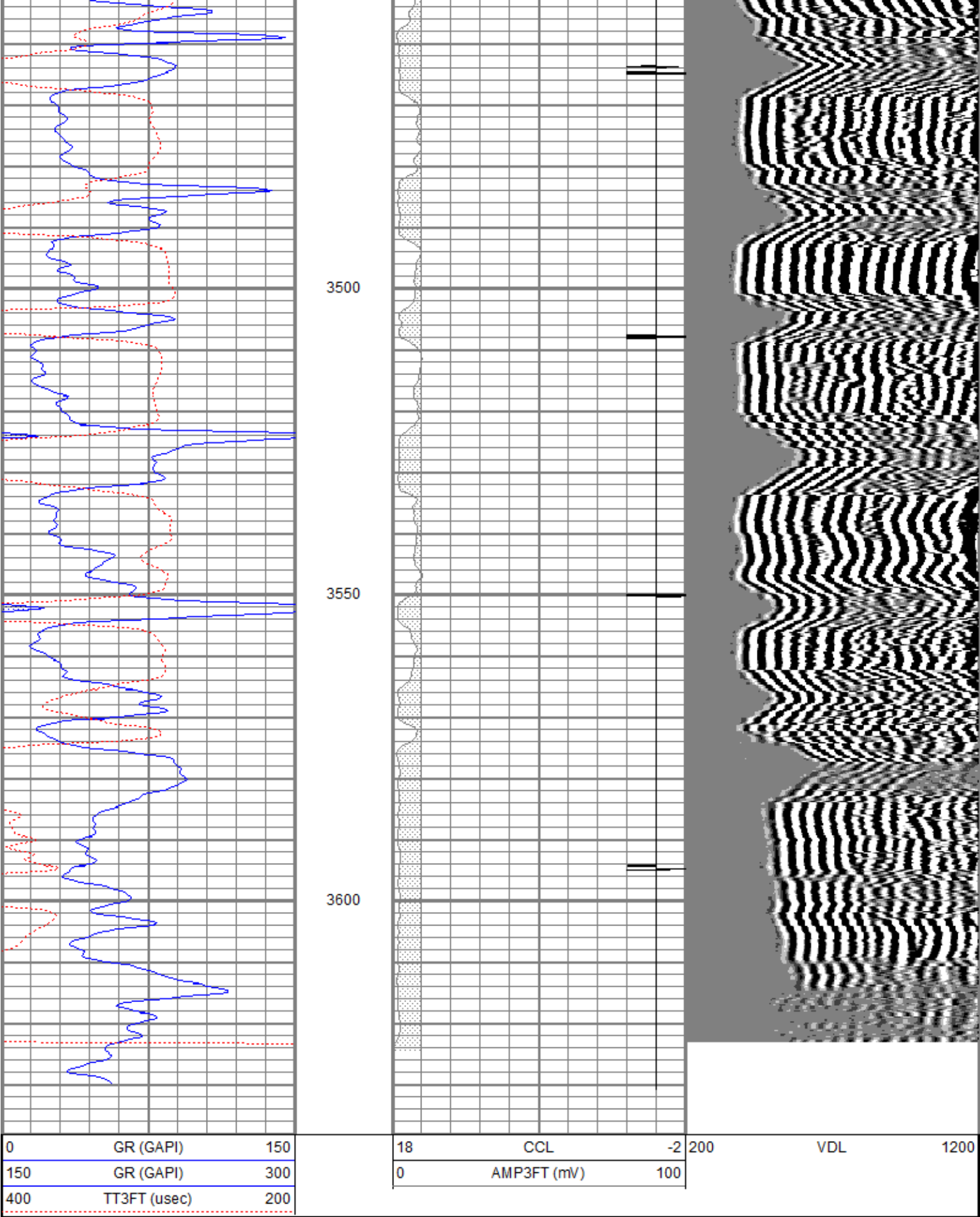


REPEAT SECTION

Database File jofgnussc1cbl.db
 Dataset Pathname pass1
 Presentation Format cbl
 Dataset Creation Fri Sep 08 09:55:10 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3FT (mV)	100			
400	TT3FT (usec)	200						





Calibration Report		
Database File	jofgnussc1cbl.db	
Dataset Pathname	pass2	
Dataset Creation	Fri Sep 08 10:01:54 2017	
Gamma Ray Calibration Report		
Serial Number:	080224	
Tool Model:	Probe1	
Performed:	Fri Oct 17 13:10:43 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	15.0	cps
Calibrator Reading:	222.7	cps

Calibrator Reading:	222.7	cps
Sensitivity:	0.9629	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	061007
Tool Model:	DigitalCBL
Calibration Casing Diameter:	5.500 in
Calibration Depth:	2178.176 ft

Master Calibration, performed Fri Sep 08 09:57:06 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.839	1.000	71.921	84.785	0.795
CAL						
5'	-0.010	0.804	1.000	71.921	87.162	1.860
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Fri Jul 31 16:28:09 2015:

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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CENT	19.14		CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
WVF5FT	11.69		Probedig-DigitalCBL (061007)	8.77	2.75	92.00
WVF3FT	11.69		2 3/4 Bond Tool			
CENT	7.44		CENT-275 2 3/4" Centralizer	2.94	2.75	10.00

