



Cement Bond Log

Company		CMX Inc	
Well		Money Shot No.1-21	
Field		Wildcat	
County		Pratt	
State		Kansas	
Location:		API #: 15-151-22450-00-00	
SEC 21 TWP 27S RGE 14W		1730' FSL & 605' FEL	
Permanent Datum		Ground Level	
Log Measured From		Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Elevation		1991	
K.B. 2004		D.F. 2002	
G.L. 1991			
Date		6/9/2016	
Run Number		5/17/2016	
Depth Driller		4780	
Depth Logger		4640	
Bottom Logged Interval		4638	
Top Log Interval		3200	
Open Hole Size		Water	
Type Fluid		Water	
Density / Viscosity		129	
Max. Recorded Temp.		3460	
Estimated Cement Top		3460	
Time Well Ready		1111	
Time Logger on Bottom		1111	
Equipment Number		T045	
Location		Pratt, Ks	
Recorded By		S. Chesney	
Witnessed By		Curtis Clark	
A DREILING			
Borehole Record		Tubing Record	
Run Number		Bit	
ONE		From	
		To	
		Size	
		Weight	
		From	
		To	
Casing Record		Size	
Surface String		Wgt/Ft	
Prot. String		Top	
Production String		Bottom	
Liner			

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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

Byers, 8.5S, 1E, 1/2N,
W into

LOG CORRELATED TO HALIBURTON-DENSITY-NEUTRON LOG



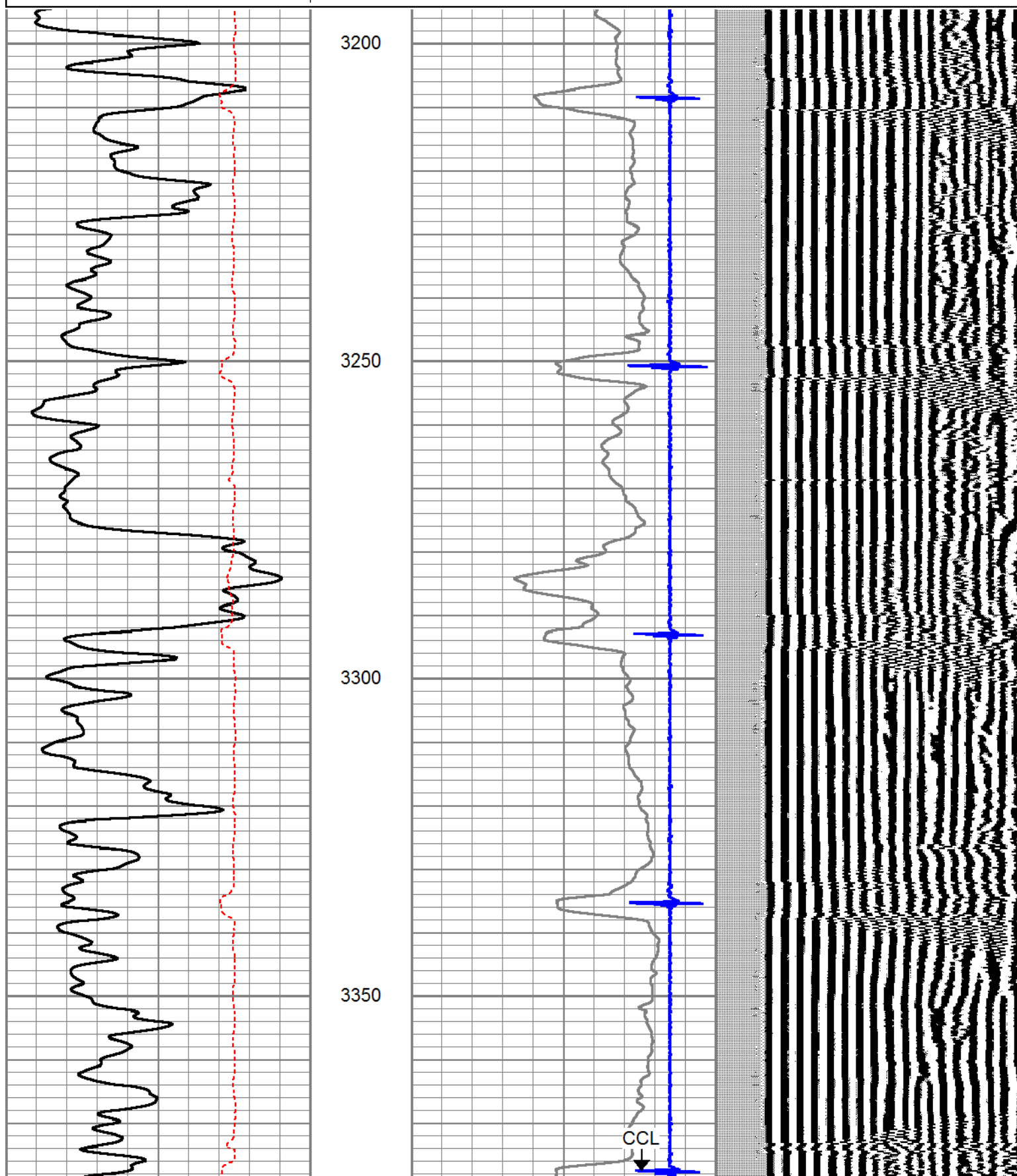
Main Pass

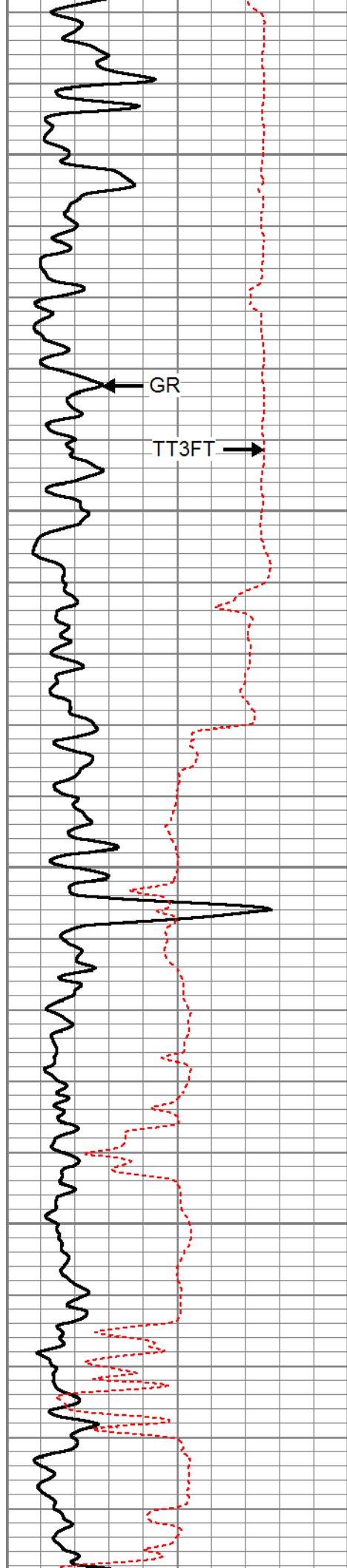
Database File cmx-moneyshot1-21.db
Dataset Pathname grcbl/pass8
Presentation Format cblsec
Dataset Creation Thu Jun 09 15:36:00 2016
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
150	GR (GAPI)	300
400	TT3 (usec)	200

40	CCL	-7
0	AMP3 (mV)	100

200	VDL	1200
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3400

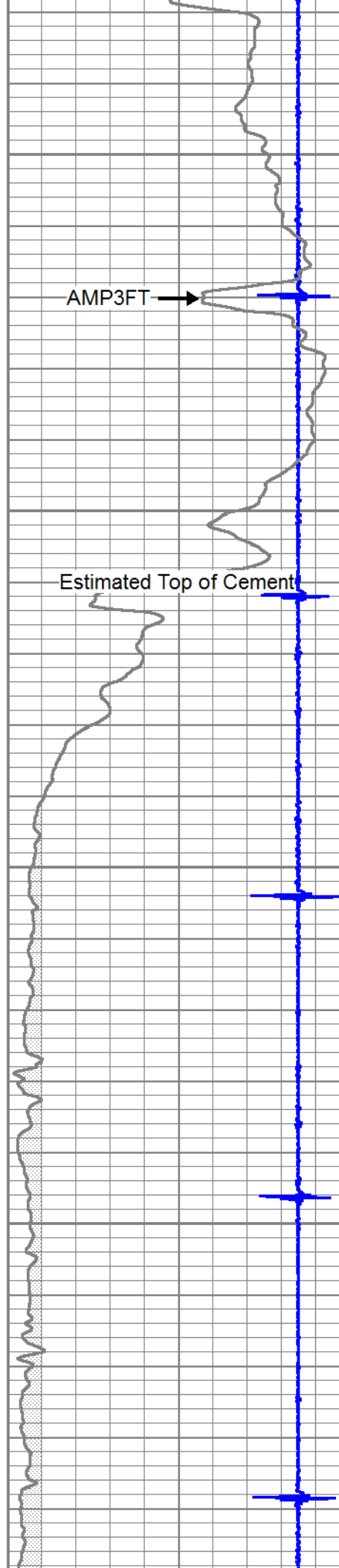
GR

TT3FT

3450

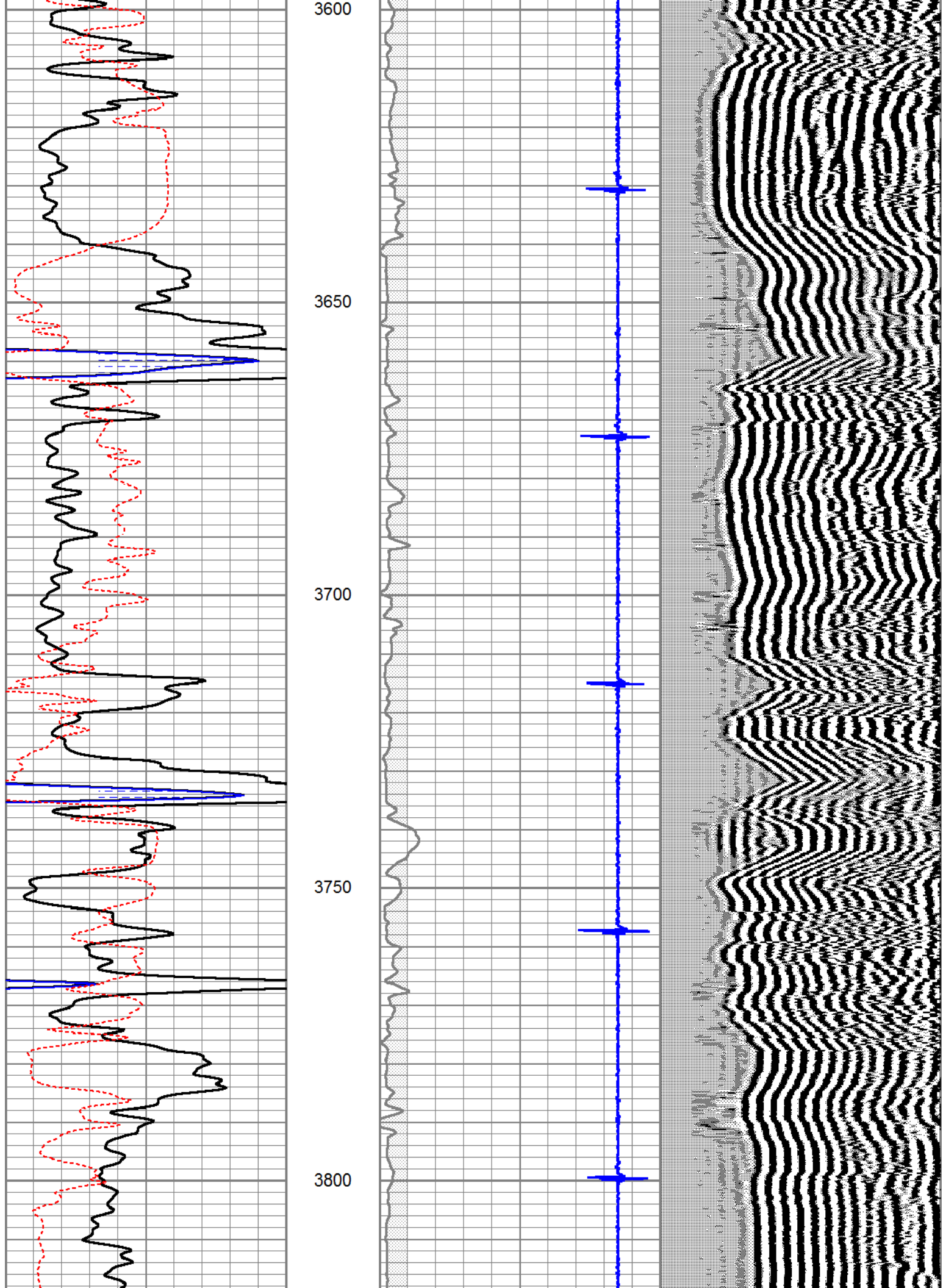
3500

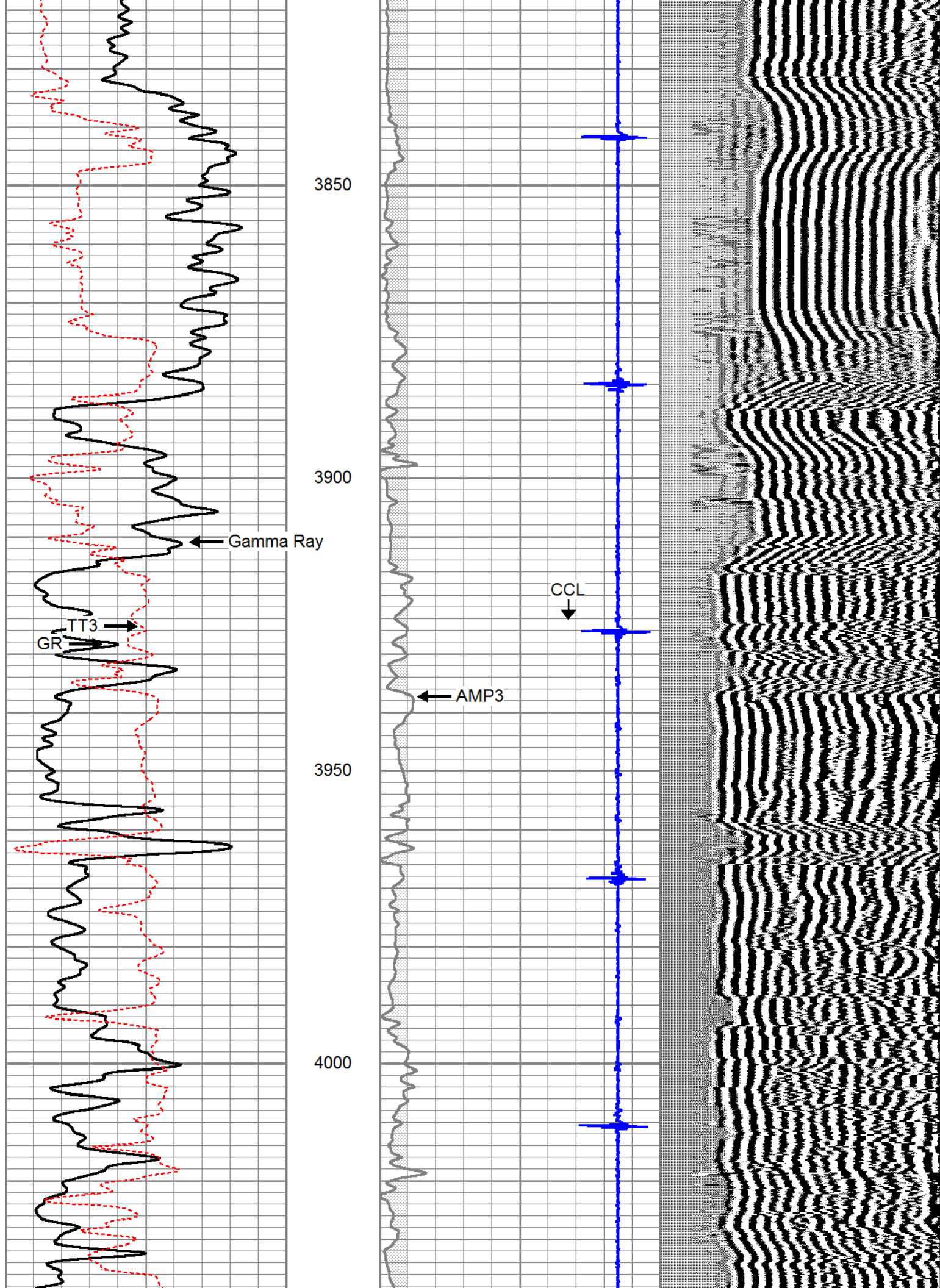
3550

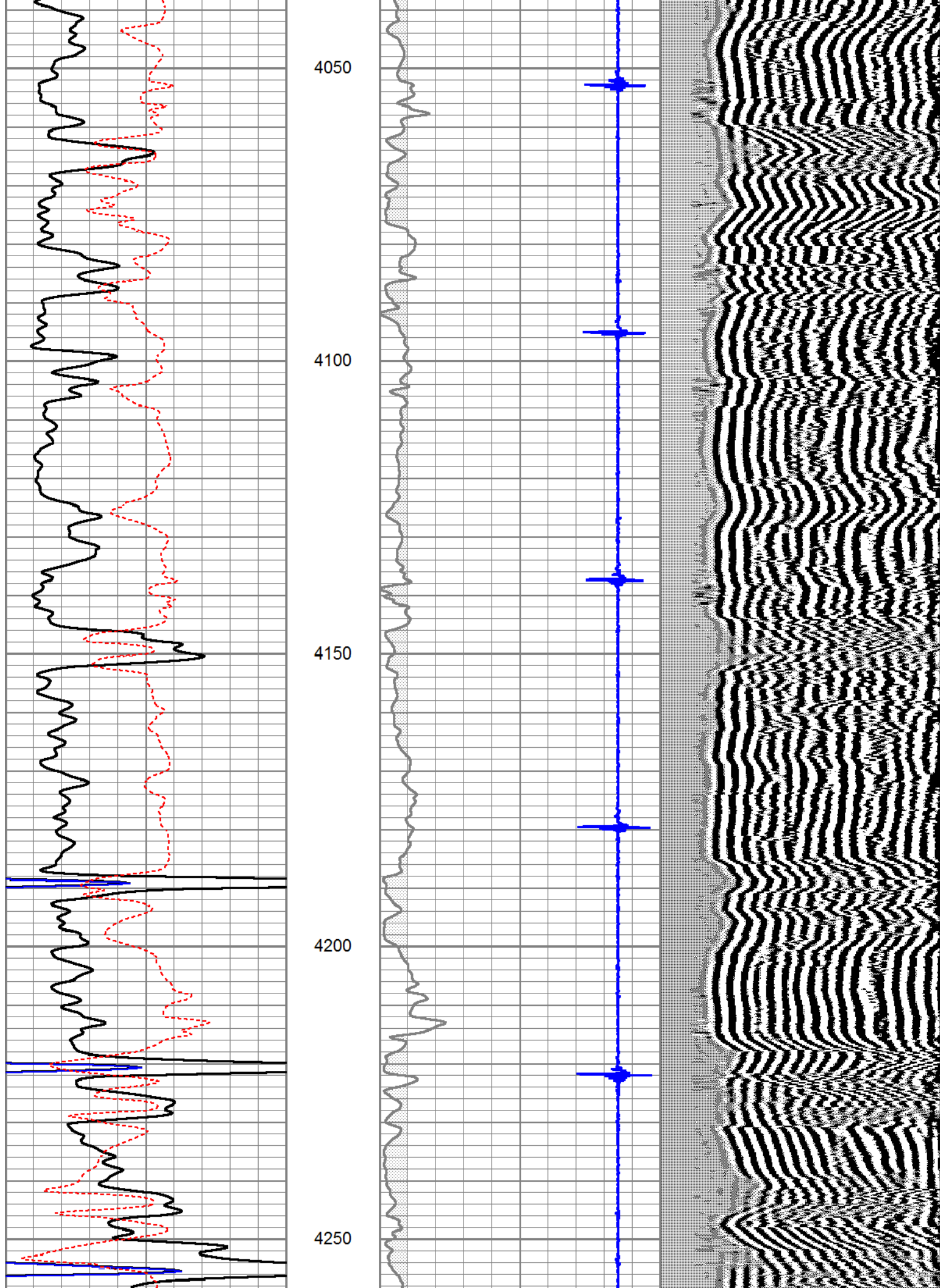


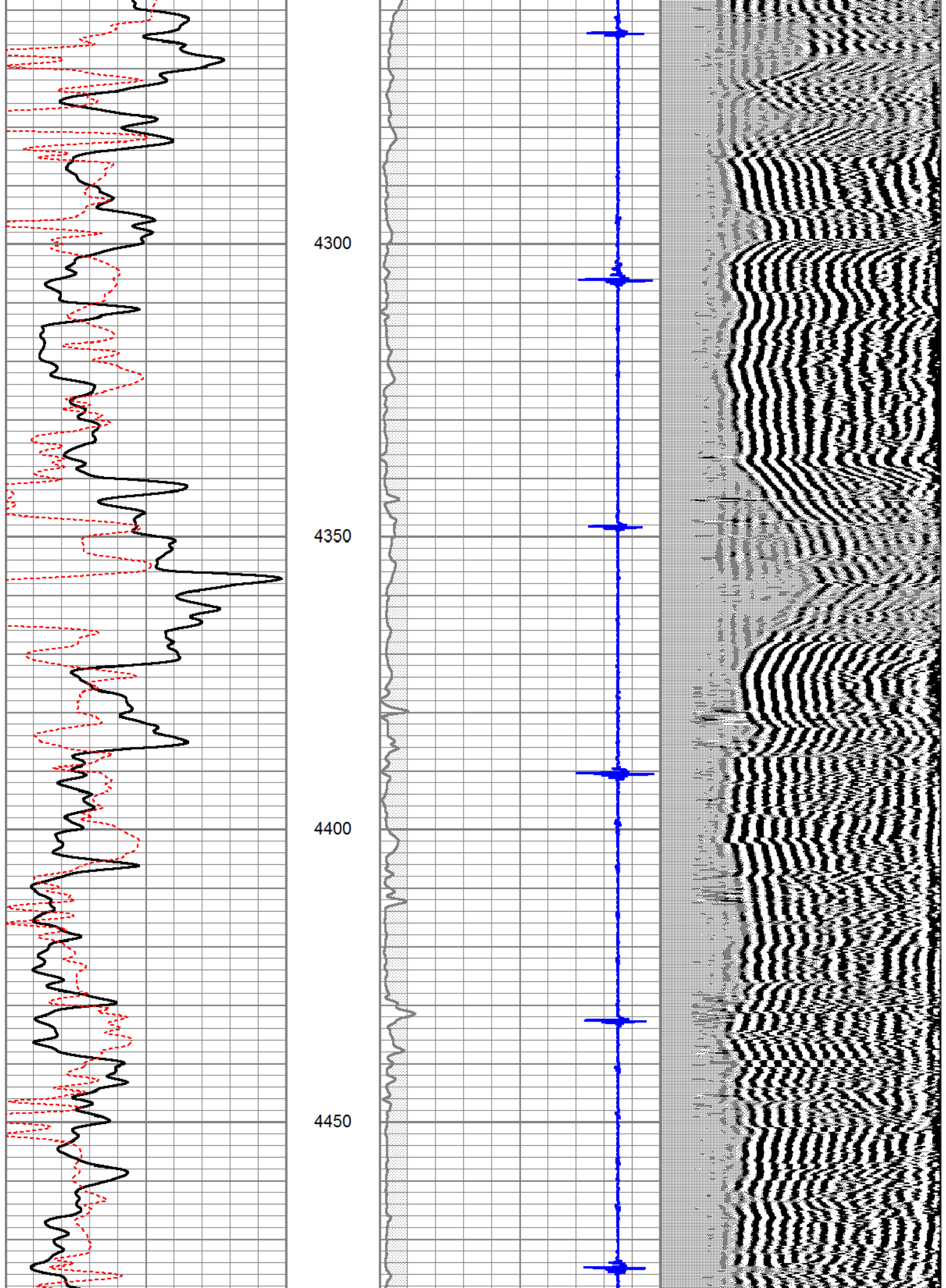
AMP3FT

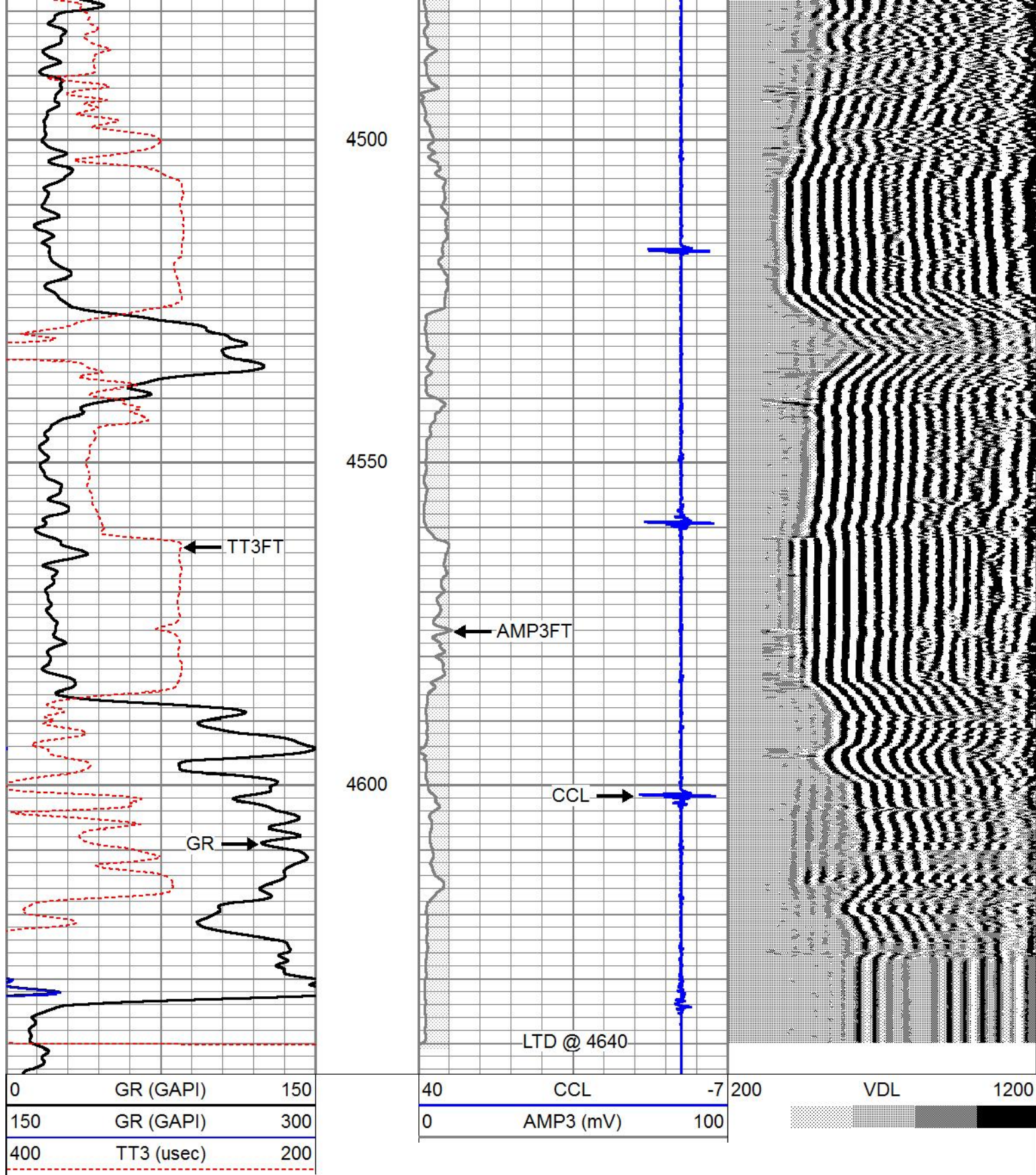
Estimated Top of Cement







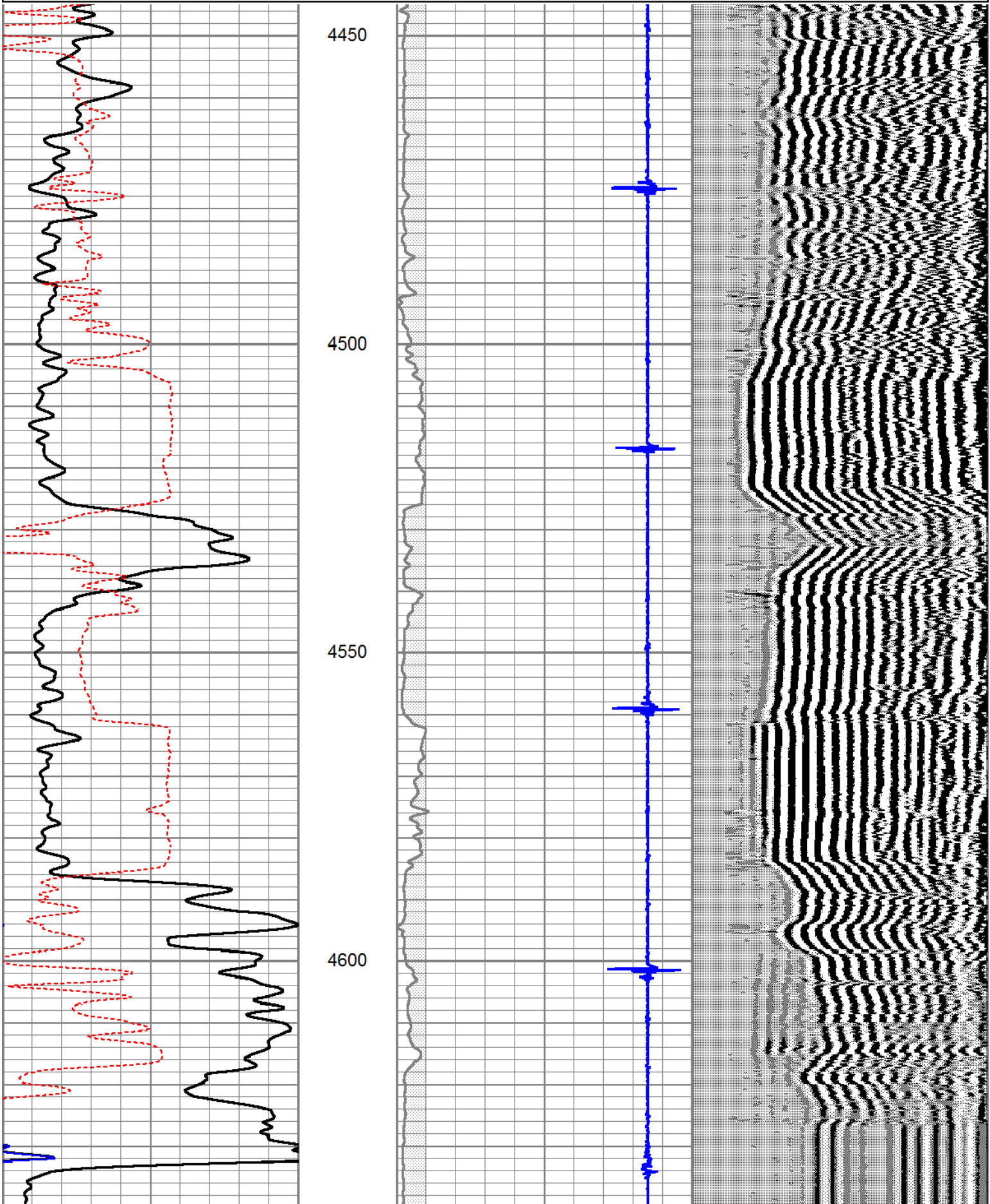




Repeat Section

Database File cmx-moneyshot1-21.db
 Dataset Pathname grcb1/pass7
 Presentation Format cblsec

0	GR (GAPI)	150	40	CCL	-7	200	VDL	1200
150	GR (GAPI)	300	0	AMP3 (mV)	100			
400	TT3 (usec)	200						



0	GR (GAPI)	150	40	CCL	-7	200	VDL	1200
150	GR (GAPI)	300	0	AMP3 (mV)	100			
400	TT3 (usec)	200						

Calibration Report

Database File cmx-moneyshot1-21.db
Dataset Pathname grcbl/pass8
Dataset Creation Thu Jun 09 15:36:00 2016

Gamma Ray Calibration Report

Serial Number: 080224
Tool Model: Probe1
Performed: Fri Jul 03 10:28:19 2015

Calibrator Value: 200.0 GAPI

Background Reading: 15.0 cps
Calibrator Reading: 222.7 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 061007
Tool Model: DigitalCBL

Calibration Casing Diameter: 5.500 in
Calibration Depth: 2424.452 ft

Master Calibration, performed Thu Jun 09 14:29:06 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.025	0.922	1.000	71.921	79.046	-0.969
CAL						
5'	0.015	0.653	1.000	71.921	111.076	-0.652
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Wed Dec 31 18:00:00 1969:

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

Air Zero Calibration, performed Fri May 09 11:16:03 2014:

	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			

Log Variables

DatabaseC:\ProgramData\Warrior\Data\cmx-moneyshot1-21.db
Dataset field/well/grcbl/pass8/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASEWGHT lb/ft 11.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8
NPORSEL Air	NPORSHIFT 0	PERFS 0	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0	

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

NPORSEL : Neutron Porosity Curve Select
NPORSHIFT : NPORSHIFT
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-sdschd	0.75	1.44	3.00
			CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
WVF5FT WVF3FT	11.69 11.69		Probedig-DigitalCBL (061007) 2 3/4 Bond Tool	8.77	2.75	92.00
			CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
CCL GR	3.67 2.30		CCL-Probe (080224)	1.42	2.75	20.00

				GR-Probe1 (080224)	3.08	2.75	40.00
Dataset: cmx-moneyshot1-21.db: field/well/grcbl/pass8 Total length: 19.89 ft Total weight: 175.00 lb O.D.: 2.75 in							

		Cement Bond Log		Company CMX Inc Well Money Shot No.1-21 Field Wildcat County Pratt State Kansas		Company CMX Inc Well Money Shot No.1-21 Field Wildcat County Pratt State Kansas	
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Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
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Prot. String							
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Liner							

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