

SCALE 1:240

Company OXY USA INC
Well BERGER A-3
Field PLEASANT PRAIRIE
County HASKELL State KS

Company OXY USA INC
Well BERGER A-3
Field PLEASANT PRAIRIE
County HASKELL State KS

API No.: 15-081-21937 Serv #: 8217049
Location: 1003 FSL & 1932 FEL Other Services

NONE

Sec: 22 Twp: 27S Rge: 34W

GROUND LEVEL Elevation 3019

Elevation

Permanent Datum
Log Measured From KB , 11 Ft. above perm. datum
Drilling Measured From KB

K.B. 3030
D.F. 3029
G.L. 3019

Date @ Time Logged 1 JUNE, 2011 @ 12:17

Type Fluid in Hole

WATER

Run No.

ONE

5410

5346

5343

3500

N/A

Surface

String

N/A

Protection

String

N/A

Production

String

N/A

Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

N/A

Max. Recorded Temp.

N/A

CEMENTING DATA

Bottom - Logged Interval

Top - Log Interval

Max. Recorded Temp.

CEMENTING DATA

Surface

String

N/A

Protection

String

N/A

Production

String

N/A

Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

N/A

Max. Recorded Temp.

N/A

CEMENTING DATA

Surface

String

N/A

Protection

String

N/A

Production

String

N/A

Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

N/A

Date / Time Cemented

Surface

String

N/A

Protection

String

N/A

Production

String

N/A

Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

N/A

Max. Recorded Temp.

N/A

CEMENTING DATA

Surface

String

N/A

Protection

String

Primary / Squeeze

Surface

String

N/A

Protection

String

N/A

Production

String

N/A

Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

N/A

Max. Recorded Temp.

N/A

CEMENTING DATA

Surface

String

N/A

Protection

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Expected

Surface

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Liner

Fluid Level

Cement Top Est. Logged

4016

Equipment / Location

10011366 /

T HANSON

LIBERAL

Recorded by

Witnessed by

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Max. Recorded Temp.

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CEMENTING DATA

Surface

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Protection

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Compressive Strength

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Mud Type / Mud Wgt.

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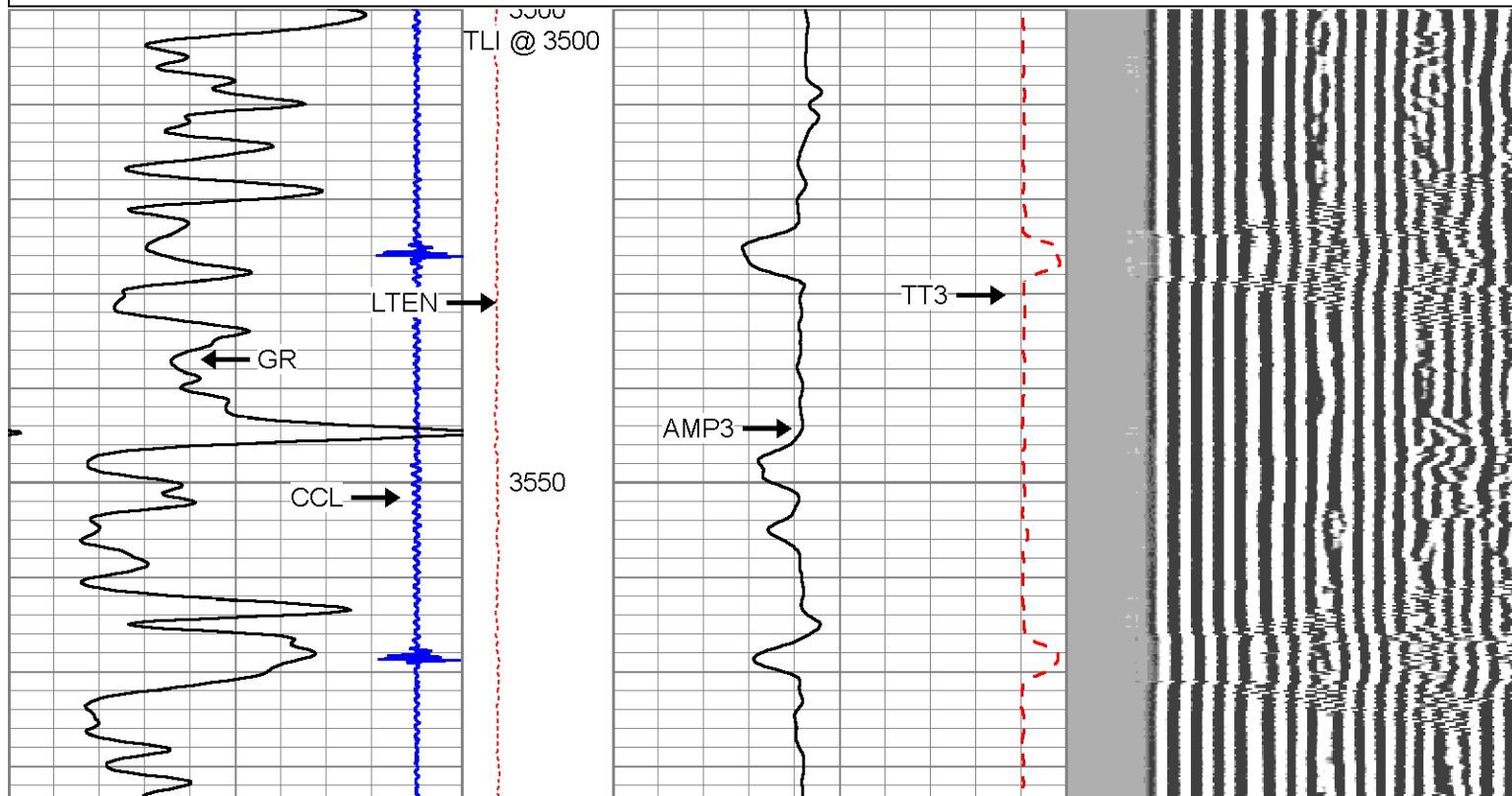
hrs

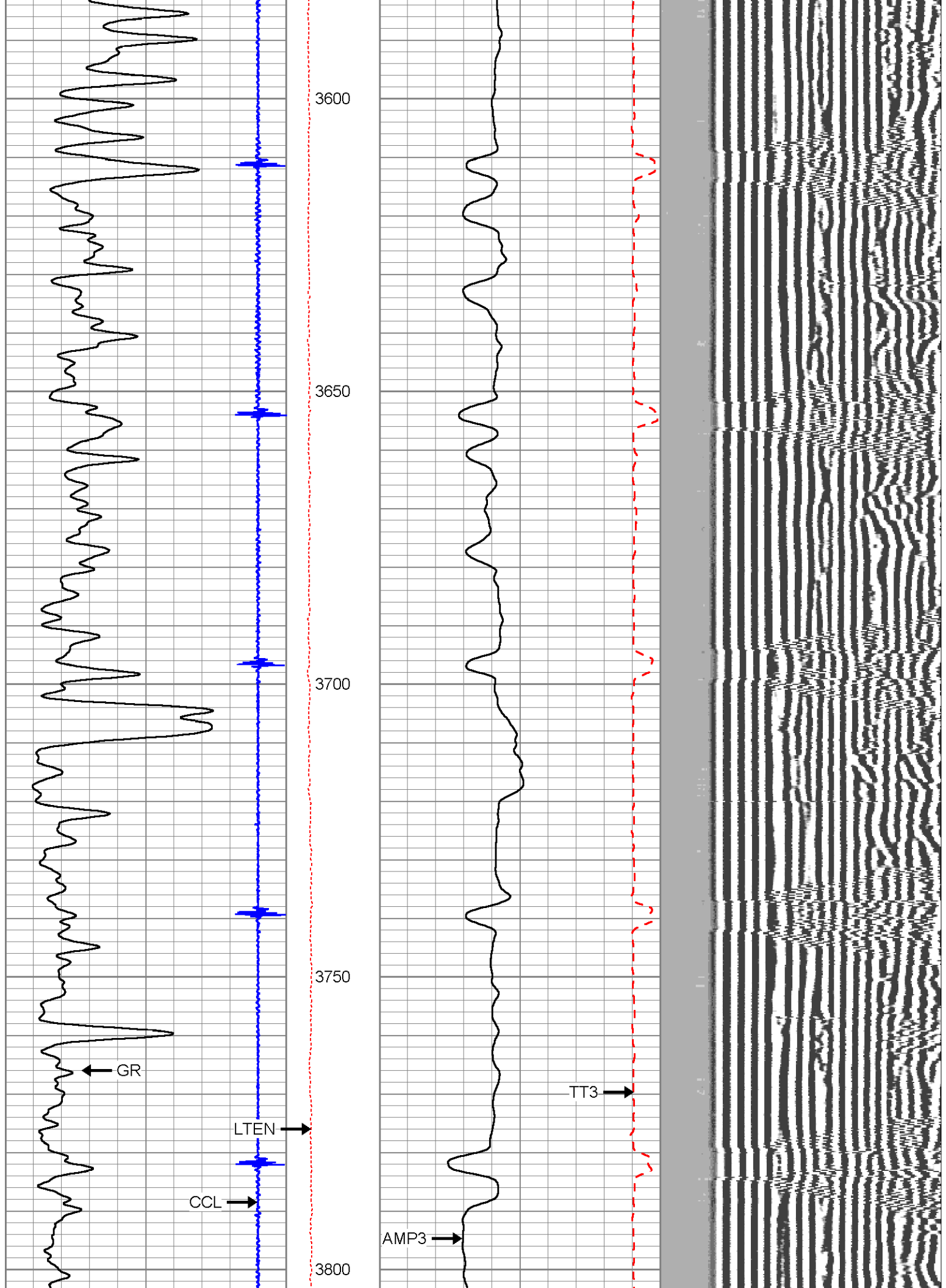
Run Number

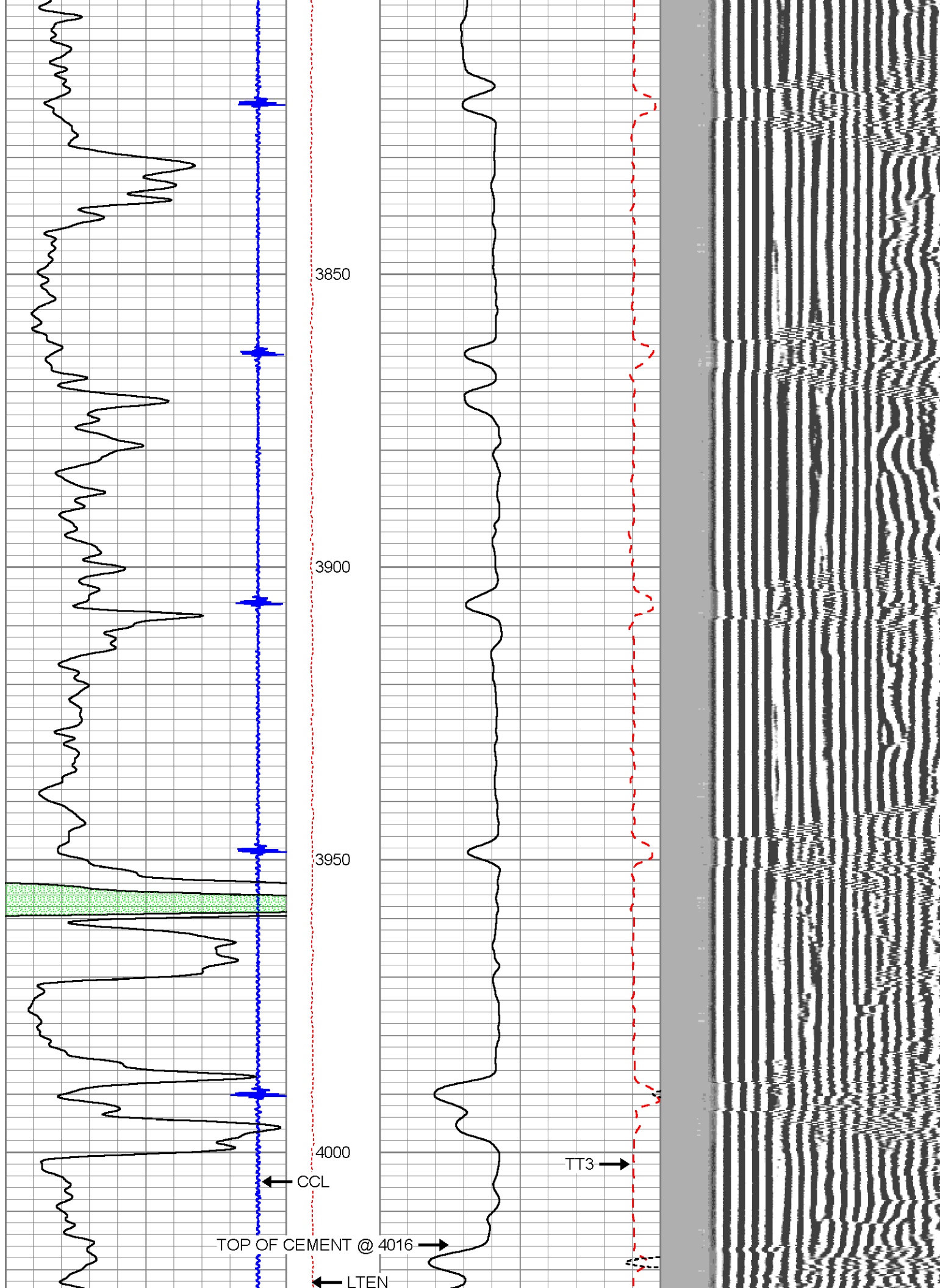
psi@

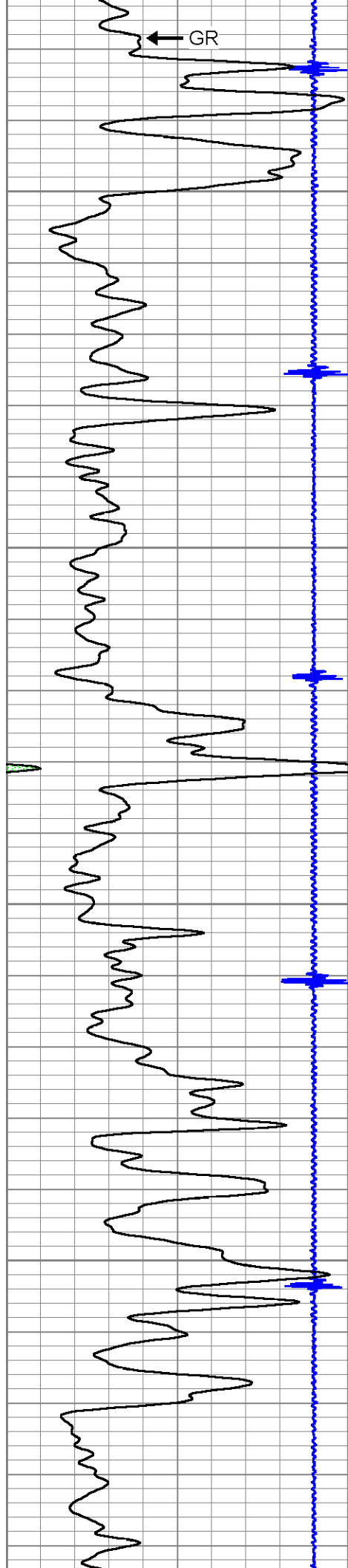
Run No.	ONE	Run No.	ONE	Run No.		Run No.	
Serial No.	070619	Serial No.	060738	Serial No.		Serial No.	
Model No.	PROBE	Model No.	PROBE	Model No.		Model No.	
Diameter	2.75"	Diameter	2.75"	Diameter		Diameter	
LOGGING DATA							
General Data							
Pass	Depths		Well Head	Speed	Logging Run Comments		
No.	From	To	Pressure	Ft/Min			
6	5346	3500	0	45	MAIN PASS		
	GAMMA		TRAVEL TIME		AMP		MSG
Pass	Scale		Scale		Scale		Scale
No.	L	R	L	R	L	R	L
ALL PASSES	0	150	174	274	0	100	200
	150	300			0	20	
DIRECTIONAL INFORMATION							
Maximum Deviation	N/A	deg. @	N/A	KOP	N/A		

HALLIBURTON MAIN PASS SCALE 1:240 Database File: oxy_berger_a_3.db Dataset Pathname: pass6.3 Presentation Format: thcbl Dataset Creation: Wed Jun 01 17:12:15 2011 by Calc Halliburton Casedho Charted by: Depth in Feet scaled 1:240							
9	Collar Locator	-1	LTEN	0	Amplitude (mV)	100	200
0	GR (GAPI)	150	0	(lb)'1000	174	Travel Time (usec)	274
					0	AAMP (mV)	20







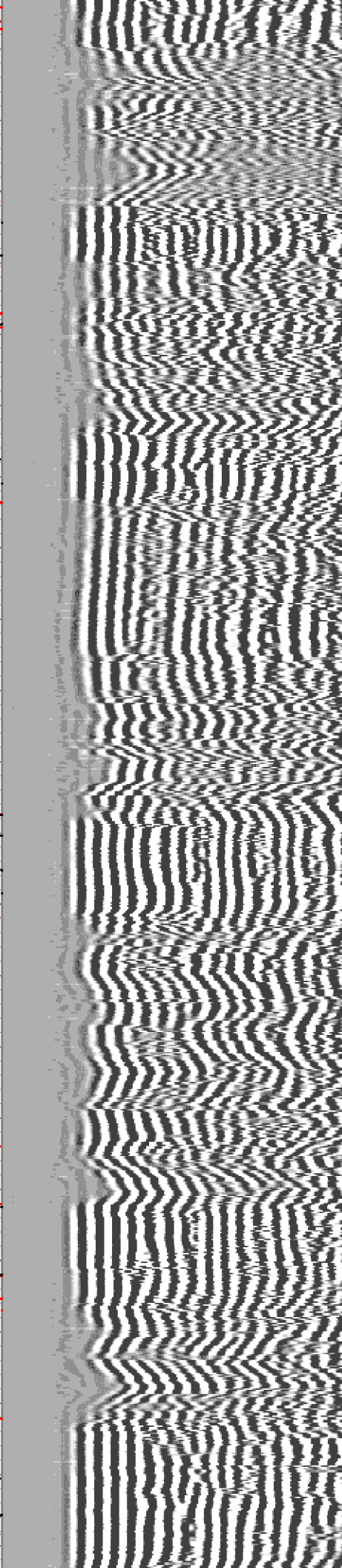
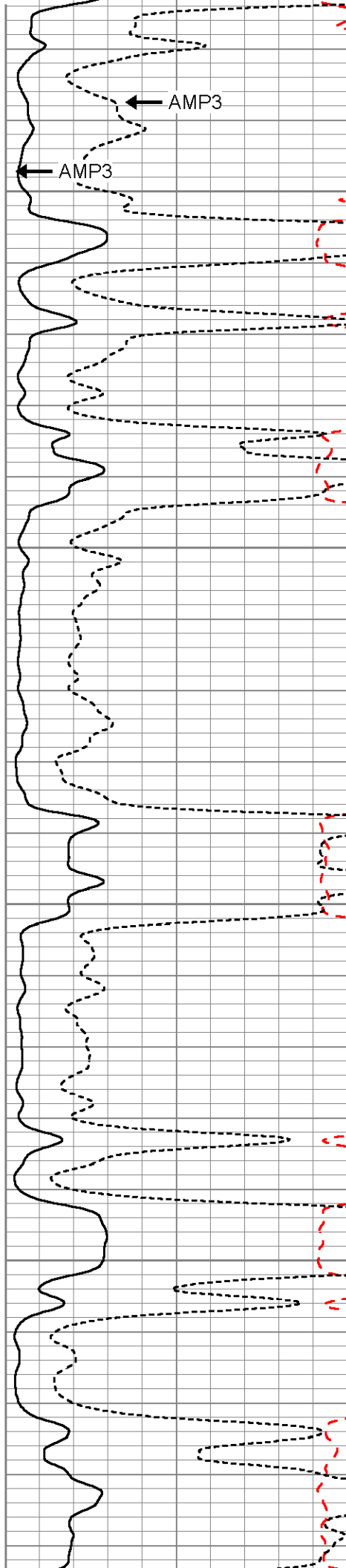


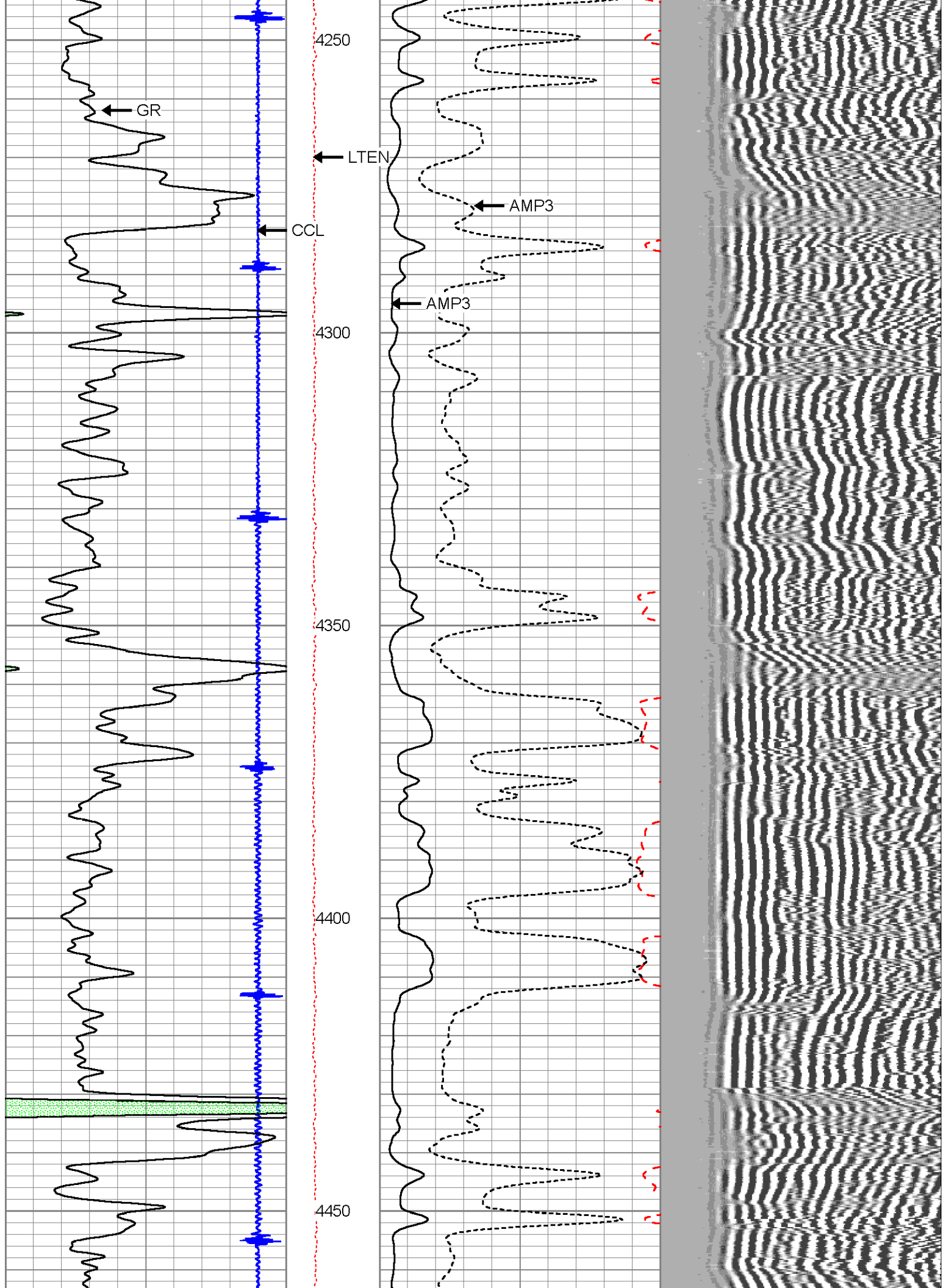
4050

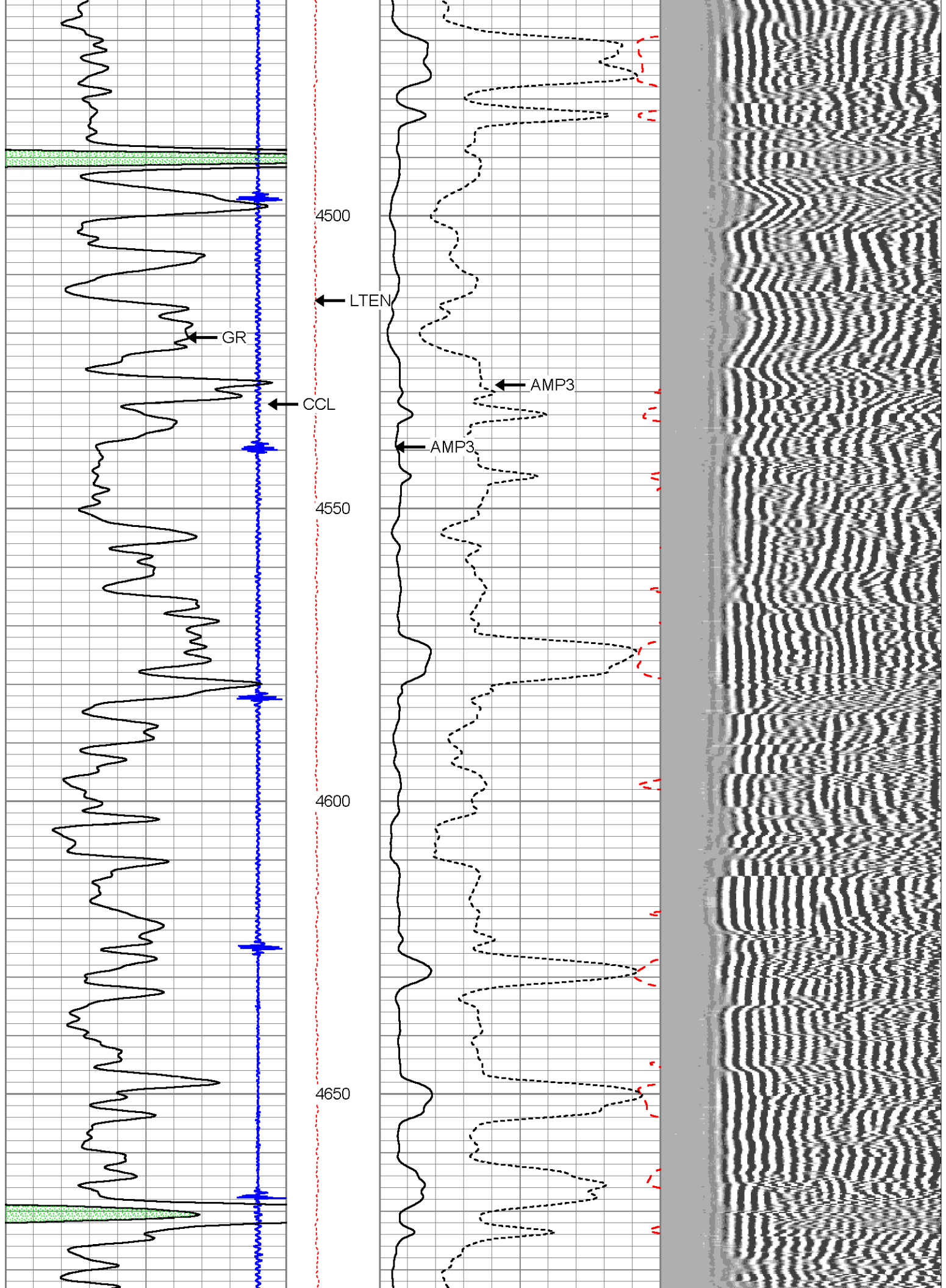
4100

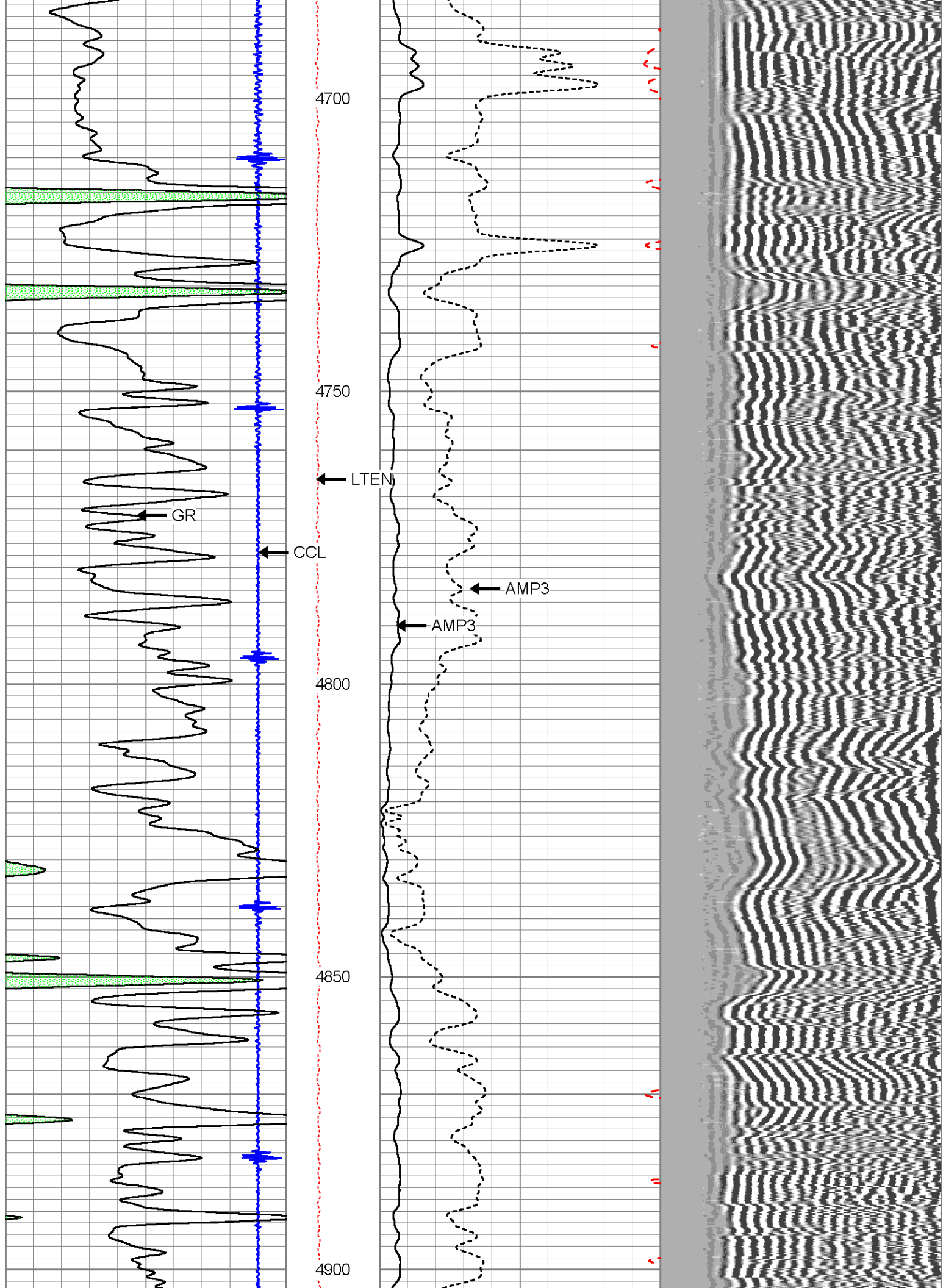
4150

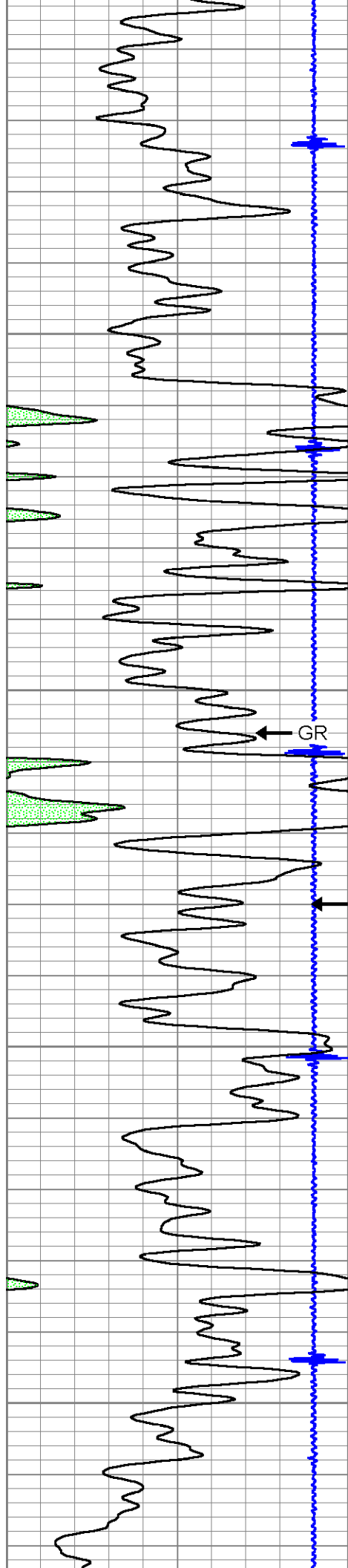
4200











4950

5000

GR

CCL

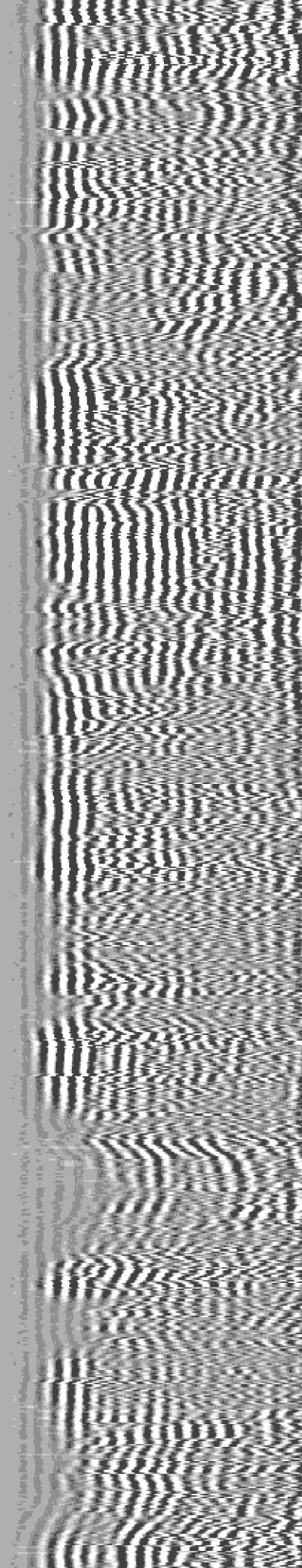
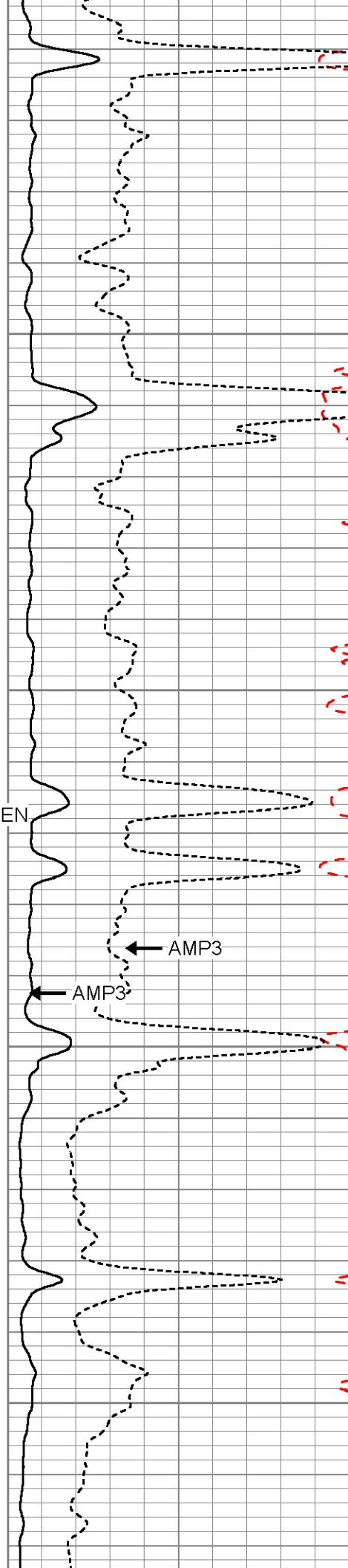
5050

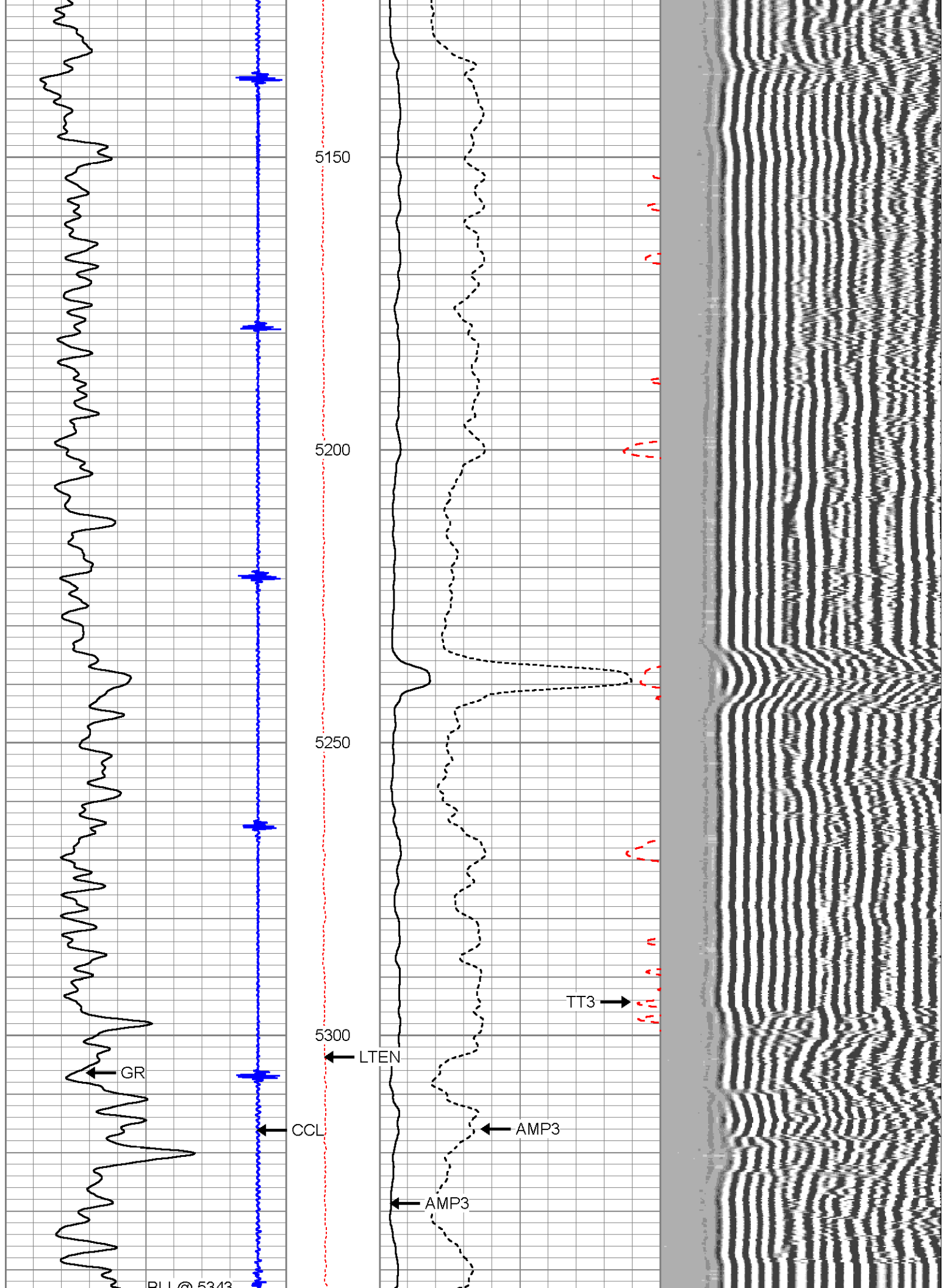
5100

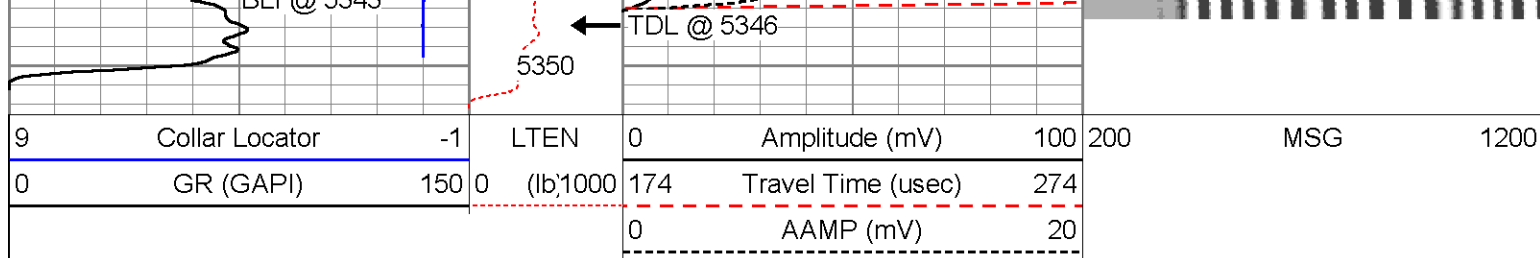
LTEN

AMP3

AMP3



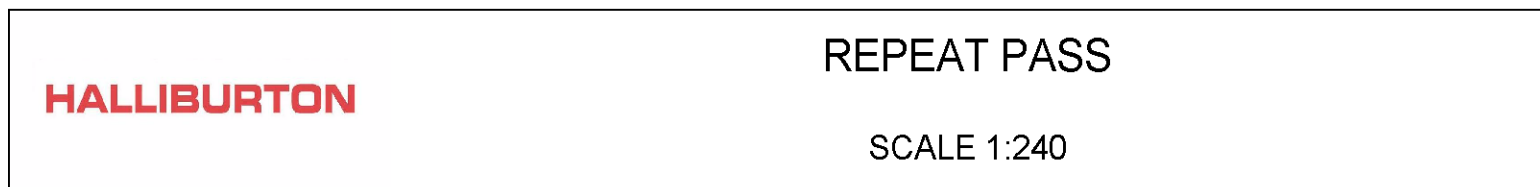




HALLIBURTON

MAIN PASS

SCALE 1:240

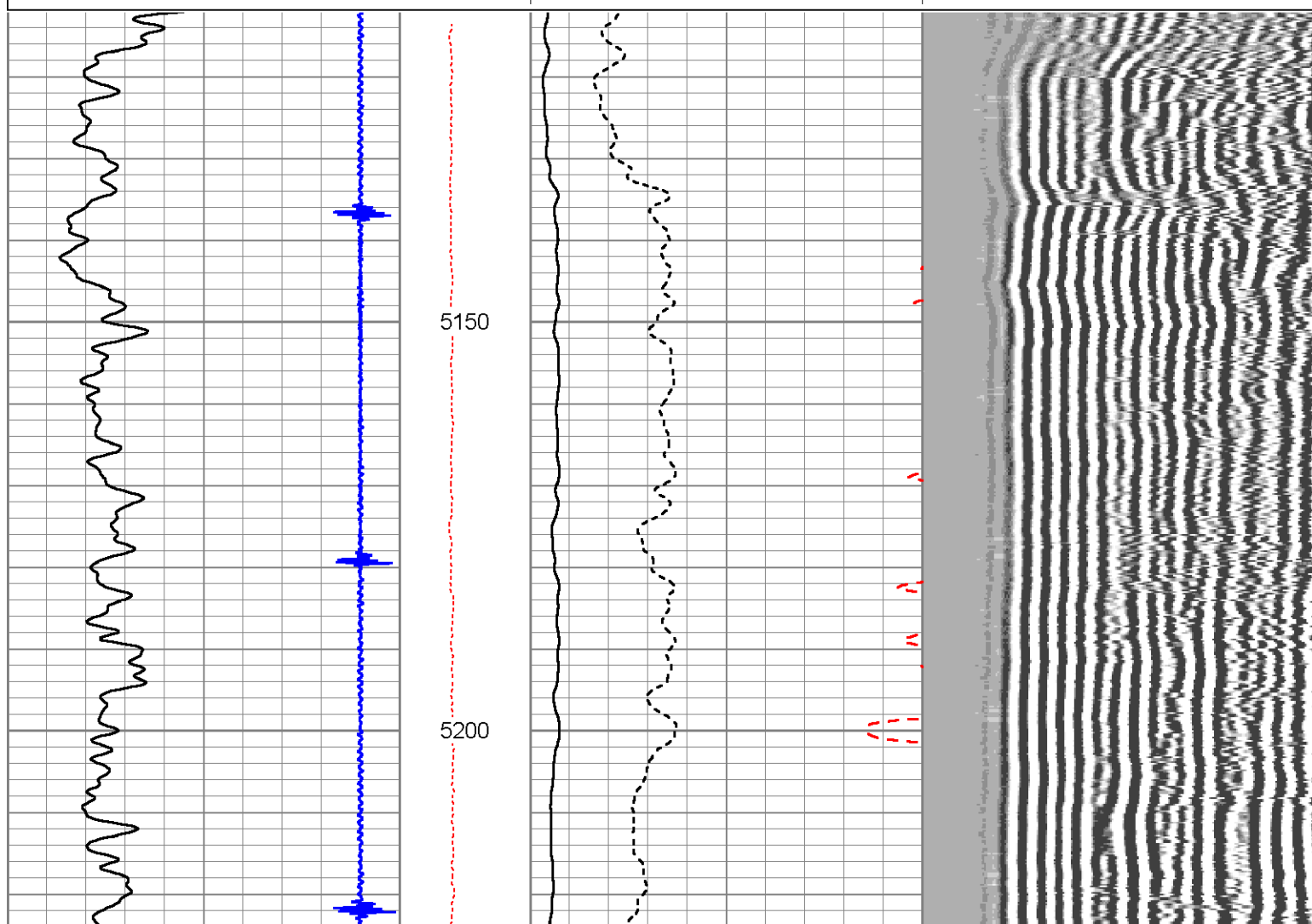
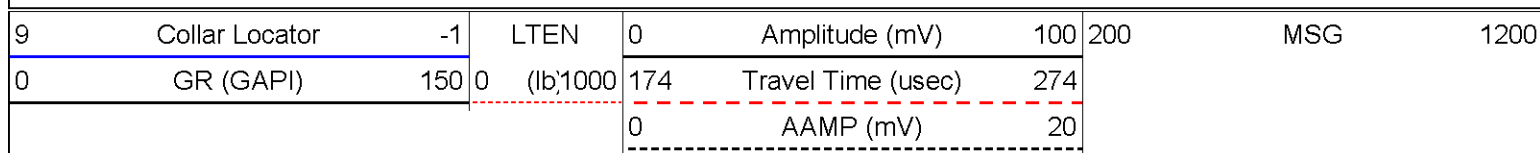


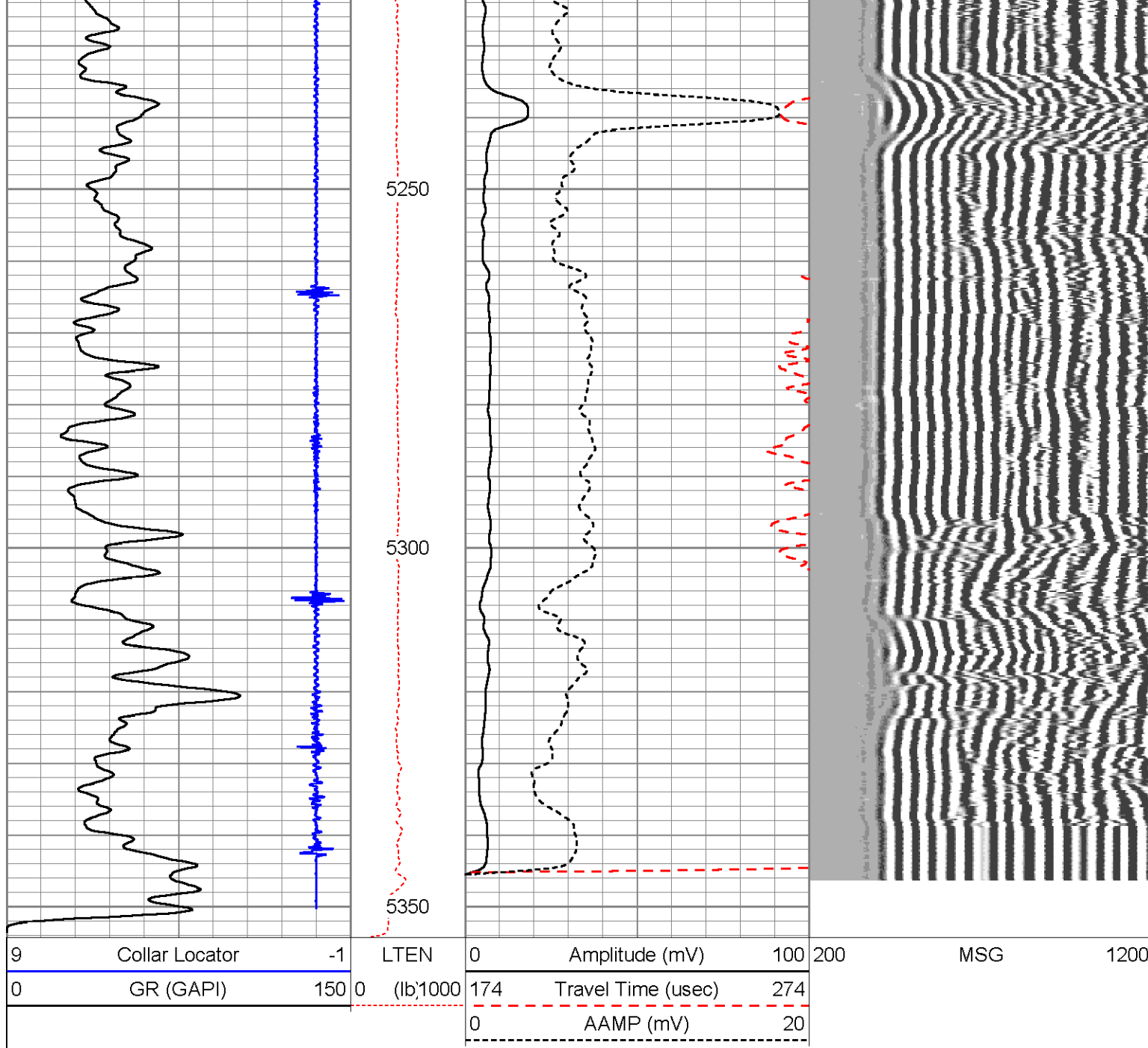
HALLIBURTON

REPEAT PASS

SCALE 1:240

Database File: oxy_berger_a_3.db
 Dataset Pathname: pass5.1
 Presentation Format: thcbl
 Dataset Creation: Wed Jun 01 17:15:36 2011 by Calc Halliburton Casedho
 Charted by: Depth in Feet scaled 1:240





REPEAT PASS

HALLIBURTON

SCALE 1:240

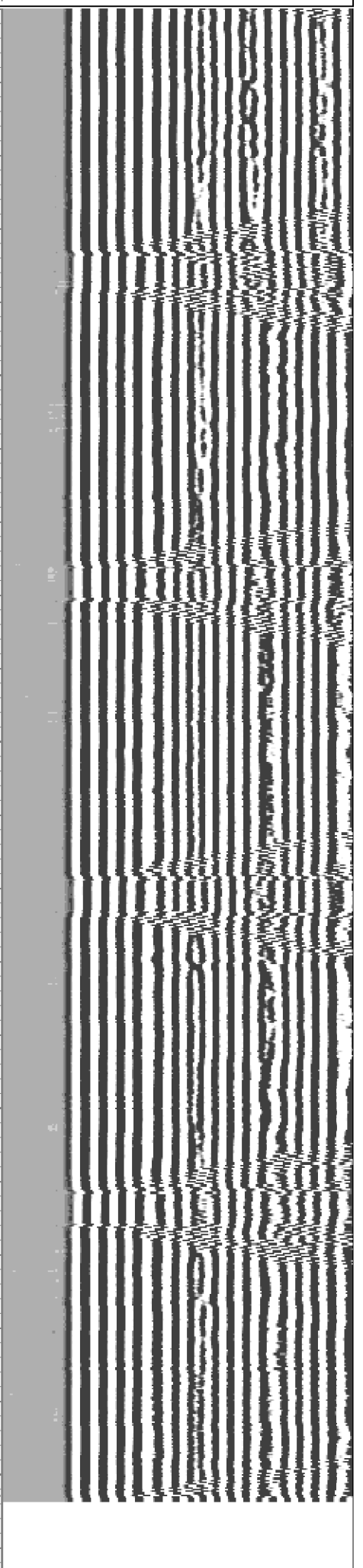
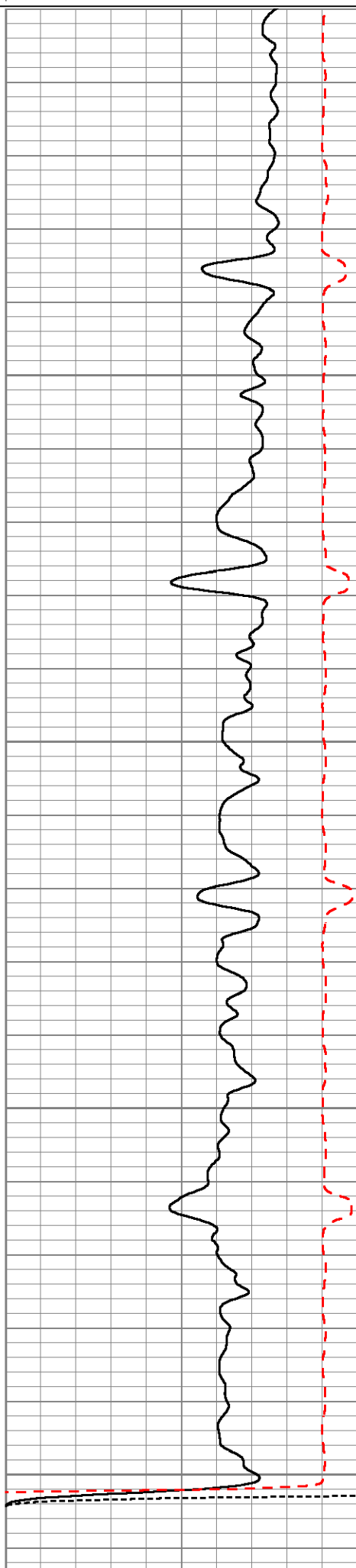
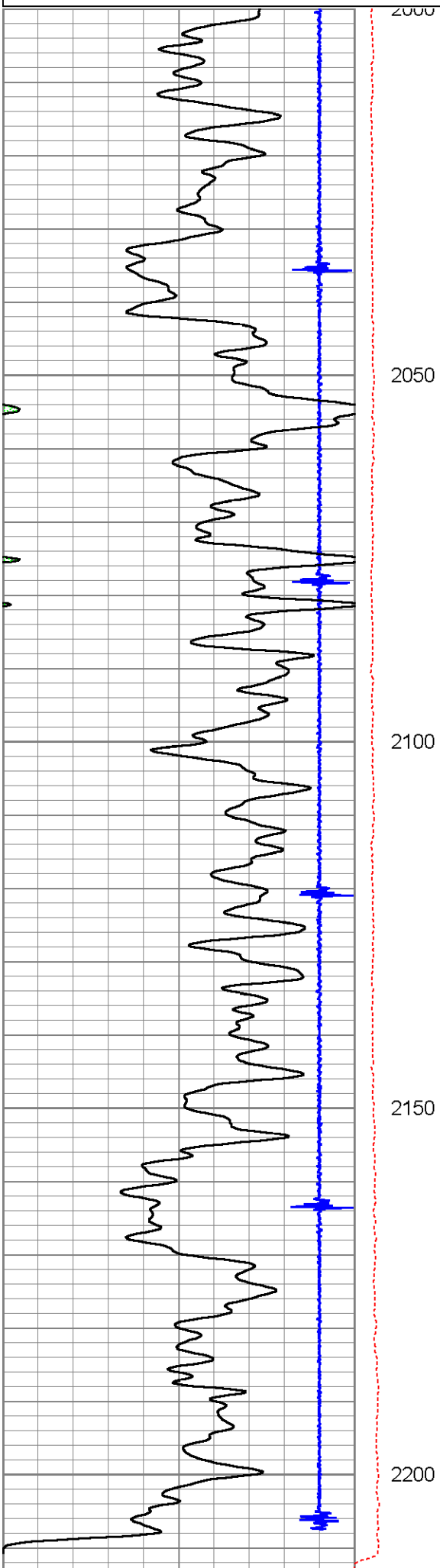
FREE PIPE PASS

HALLIBURTON

SCALE 1:240

Database File: oxy_berger_a_3.db
 Dataset Pathname: pass3
 Presentation Format: thcbl
 Dataset Creation: Wed Jun 01 11:51:00 2011 by Log Halliburton Casedho
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	LTEN	0	Amplitude (mV)	100	200	MSG	1200
0	GR (GAPI)	150	0	(lb)'1000	174	Travel Time (uSec)	274		



9	Collar Locator	-1	LTEN	0	Amplitude (mV)	100	200	MSG	1200
0	GR (GAPI)	150	0 (lb)'1000	174	Travel Time (usec)	274			
				0	AAMP (mV)	20			

HALLIBURTON

FREE PIPE PASS

SCALE 1:240

Calibration Report

Database File: oxy_berger_a_3.db
Dataset Pathname: pass6
Dataset Creation: Wed Jun 01 12:17:43 2011 by Log Halliburton Casedho

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 060738

SHOP CALIBRATION

Wed May 18 07:58:11 2011

	Counts/Sec.	Gain	Offset	Jig	Units
Background	70.9				cps
Calibrator	323.7				cps
		1.2257			GAPI/cps

PRIMARY VERIFICATION

Fri Mar 11 07:39:25 2011

Background	66.2				cps
Calibrator	295.6				cps
Difference				229.4	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: 070619
Tool Model: Probe275Digital
Performed: Wed Jun 01 11:50:15 2011

Depth: 2064.84 ft
Casing Diameter: 5.5 in

3' Spacing 5' Spacing

Signal Zero:	0.5	0.5	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	0.00402832	-0.00842285	V
Reading in Free Pipe:	0.354736	0.294019	V

Gain:	203.648	236.148
Offset:	-0.32036	2.48904

Top - Bottom

PPT usec 0	MAXAMPL mV 72	MINAMPL mV 0.5	MINATTN db/ft 0.8	CASEOD in 5.5	PERFS 0	TDEPTH ft 5351	BOTTEMP degF 100
BOREID in 7.875							

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STND_CH 1.4375 IN CABLE HEAD	0.92	1.44	1.00
WVF3	9.00		CBL-Probe275Digital (070619) Digital 3' 5' CBL Move voltage to +/- 150 for cal mode	8.75	2.75	92.00
WVF5	8.00					
CCL	3.92					
GR	2.54		GR-Probe275dig (060738) Probe Digital Gamma CCL	4.75	2.75	57.00

F100T Digital Gamma CCL

LLMTEN

0.00

Dataset: oxy_berger_a_3.db: field/well/run1/pass6
Total Length: 14.41 ft
Total Weight: 150.00 lb
O.D.: 2.75 in

Company	OXY USA INC
Well	BERGER A-3
Field	PLEASANT PRAIRIE
County	HASKELL

State KS

HALLIBURTON

CEMENT BOND LOG

SCALE 1:240