

Company		MERIT ENERGY		Company		MERIT ENERGY	
Well		HYLBOM A-6		Well		HYLBOM A-6	
Field		REDWOOD		Field		REDWOOD	
County		FINNEY		State		KANSAS	
Permanent Datum		GROUND LEVEL		Elevation		2972	
Log Measured From		KB		15 Ft. above perm. datum		K.B. 2987 D.F. 2987 G.L. 2972	
Drilling Measured From		KB					
Date @ Time Logged		15 JUL, 2014 @ 11:34		Type Fluid in Hole		WATER	
Run No.		ONE		Density of Fluid		8.4	
Depth - Driller		5039		Fluid Level		SURFACE	
Depth - Logger		4982		Cement Top Est. Logged		2912	
Bottom - Logged Interval		4979		Equipment / Location		10971687 / LIBERAL	
Top - Log Interval		2710		Recorded by		T HANSON	
Max. Recorded Temp.		N/A		Witnessed by		S KALBERER	
CEMENTING DATA		Surface		Protection		Production	
		String		String		String	
Date / Time Cemented		N/A		N/A			
Primary / Squeeze							
Expected Compressive Strength		psi@ hrs		psi@ hrs		psi@ hrs	
Cement Volume							
Cement Type / Weight		/		/		/	
Formulation							
Mud Type / Mud Wgt.		/		/		/	
Borehole Record				Casing & Tubing Record			
Run Number		Bit		From		To	

<<< Fold Here >>>

 HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

Comments

 LOG CORRELATED TO HALLIBURTON DSN LOG DATED 12 JULY, 2014

 FREE PIPE PASS NOT CORRELATED

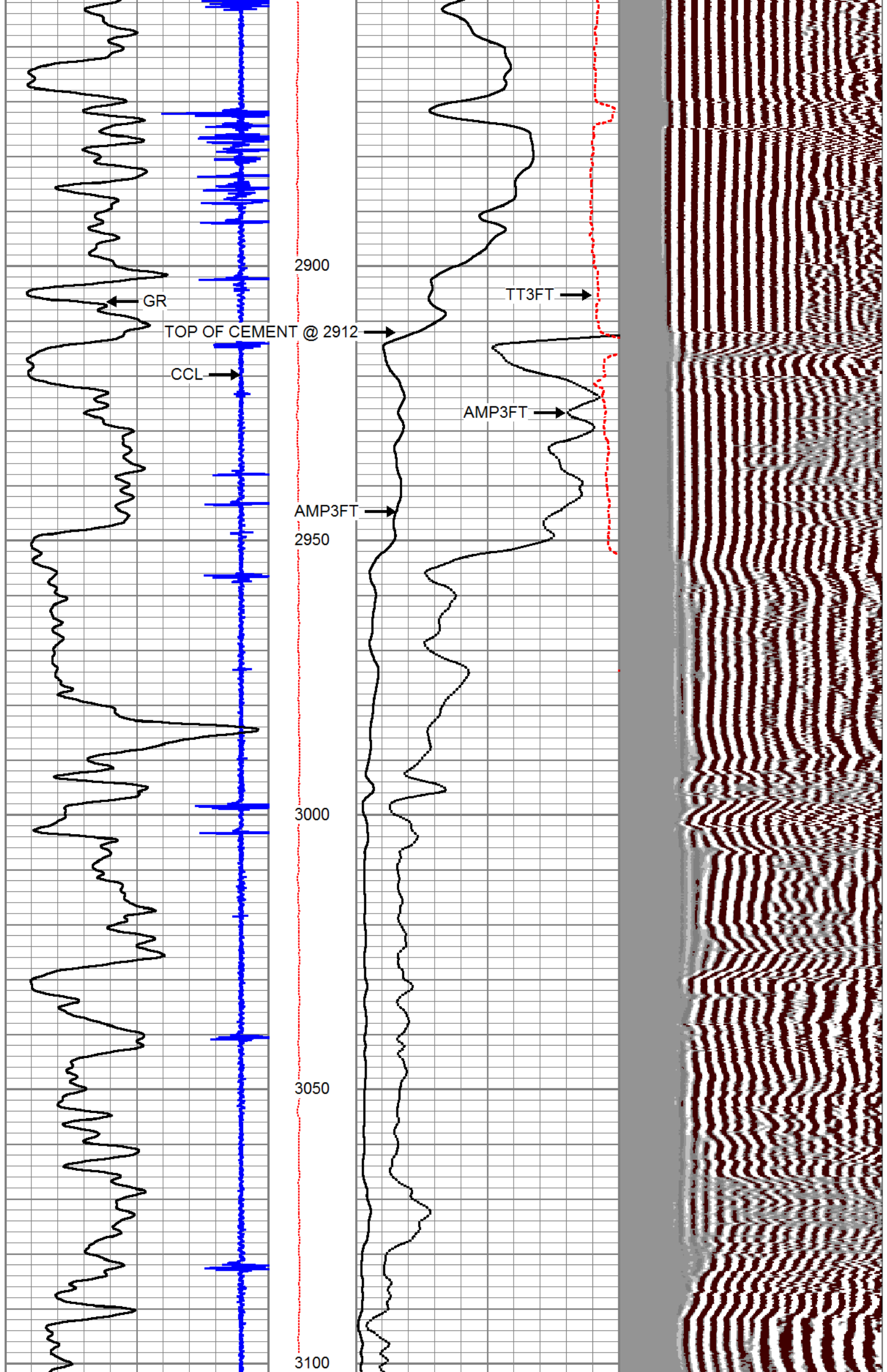
 TOP OF CEMENT @ 2912

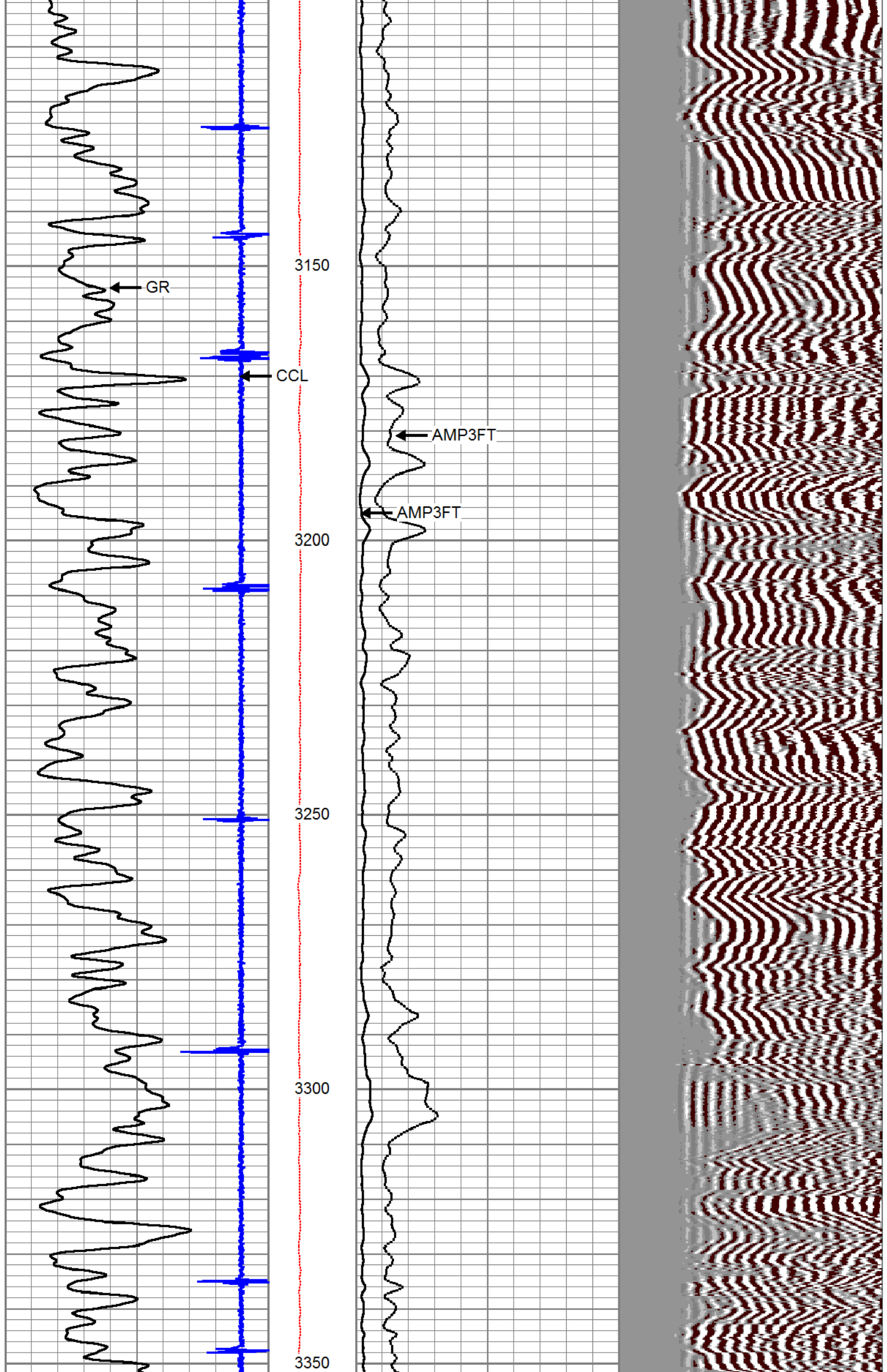
 SHORT JOINT @ 4387 - 4397

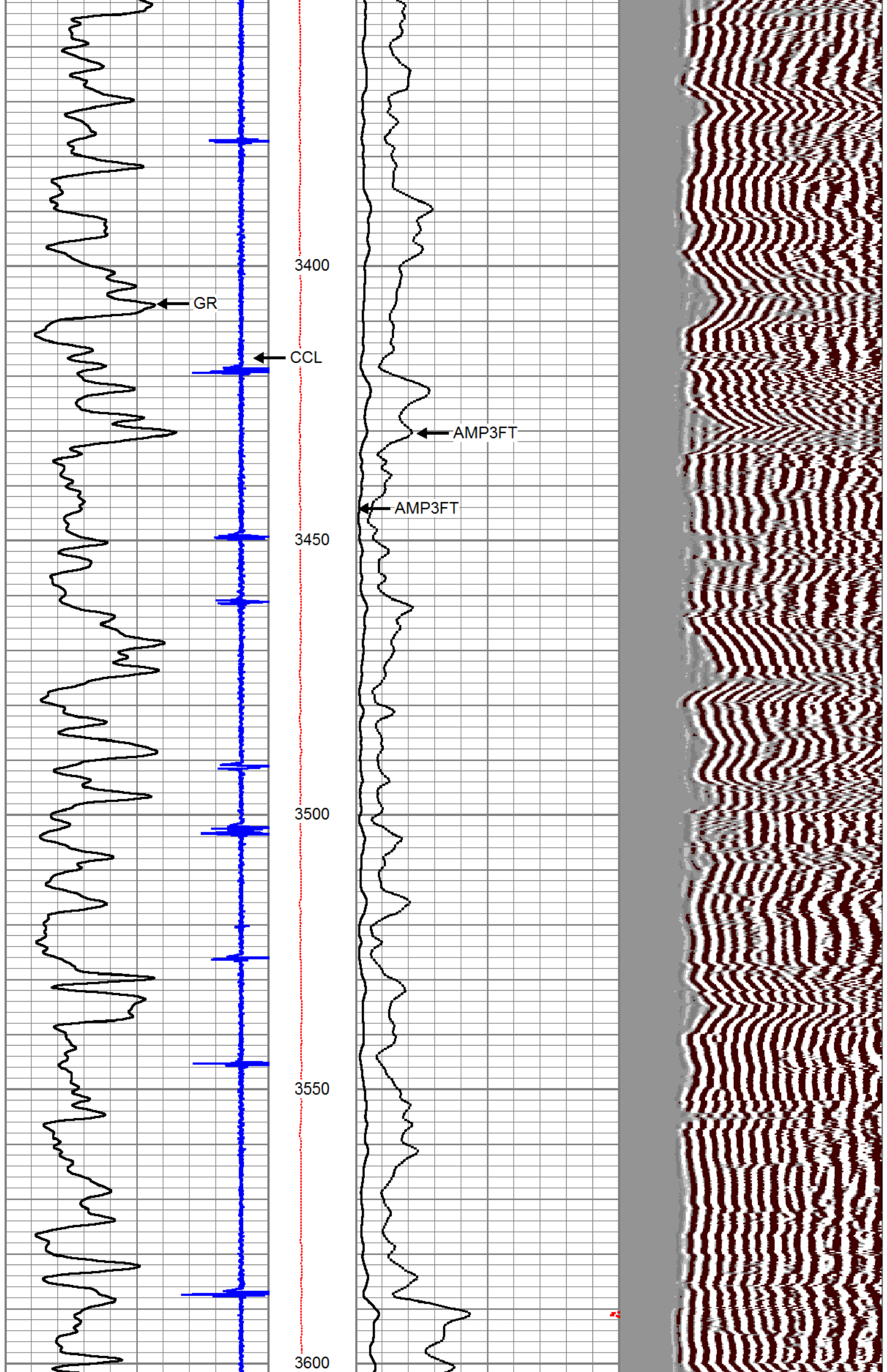
 THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES

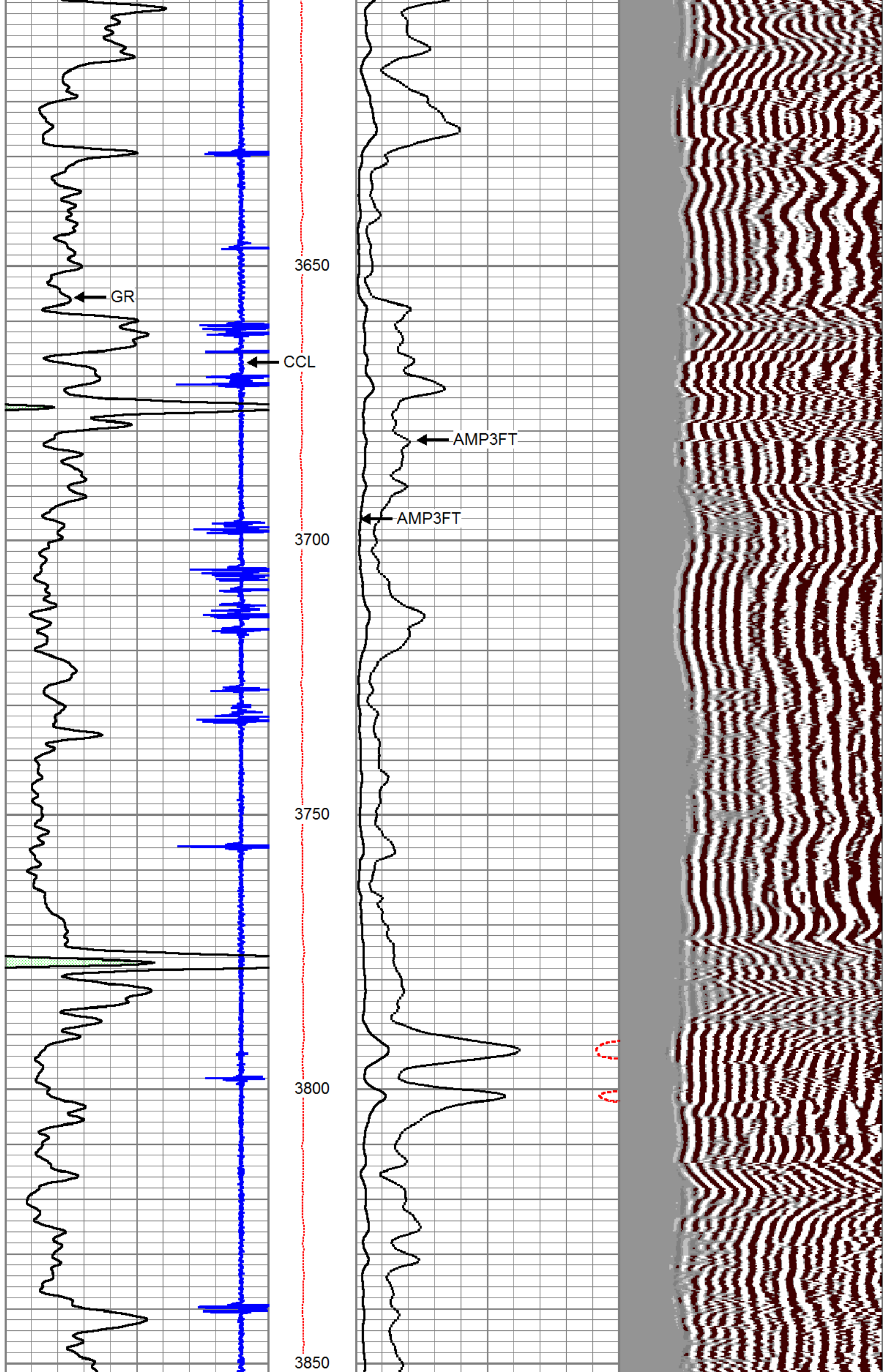
 YOUR CREW TODAY T LAURIE, R GONZALEZ, T HANSON

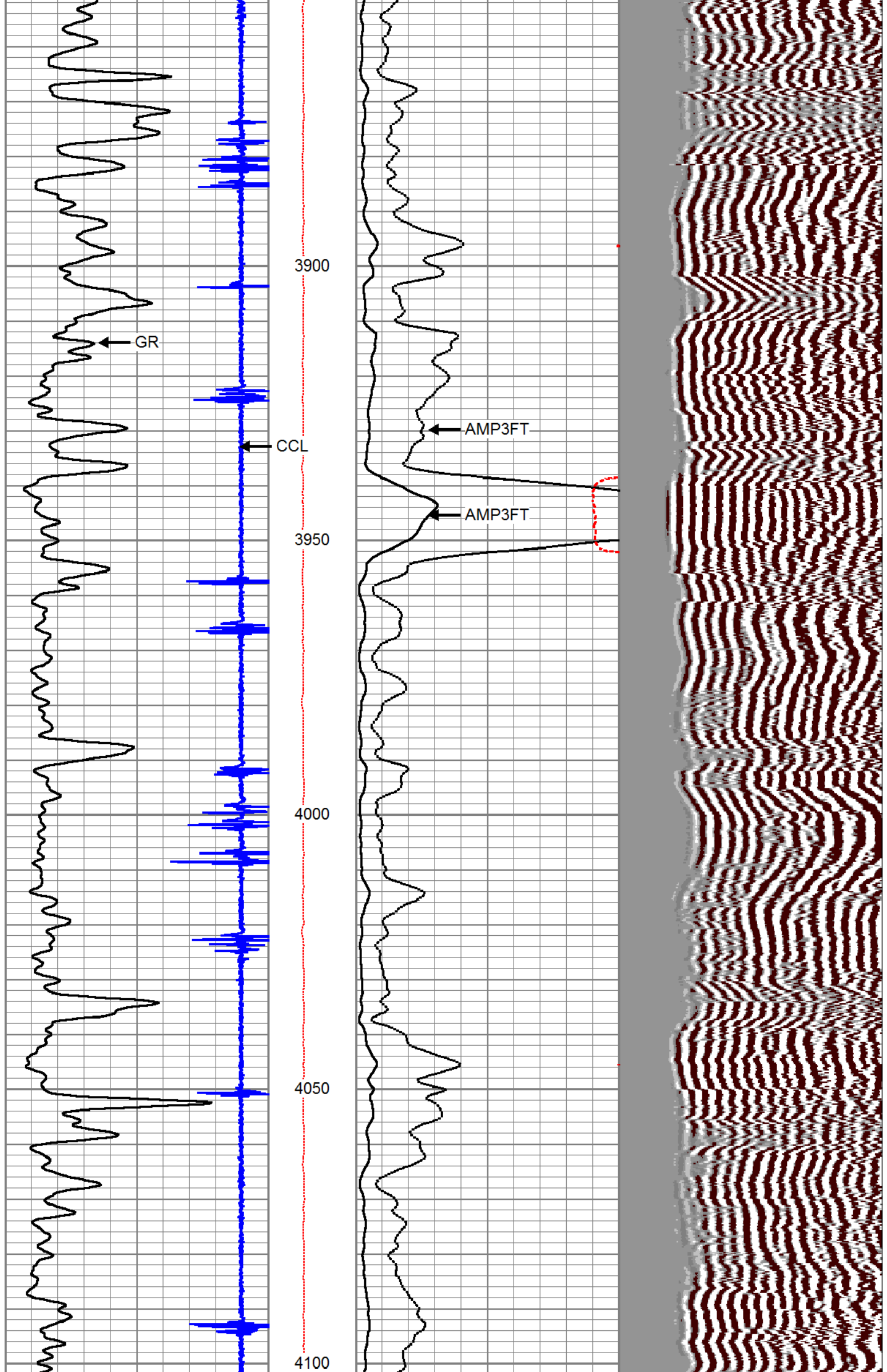
Service Ticket No.	901509620	API No.	15055223140000	PGM Ver	WARRIOR 8.0
The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client					
EQUIPMENT DATA					
CBL		GR/CCL			
Run No.	ONE	Run No.	ONE	Run No.	Run No.
Serial No.	060714	Serial No.	060633	Serial No.	Serial No.
Model No.	PRB_275	Model No.	PRB_275	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	

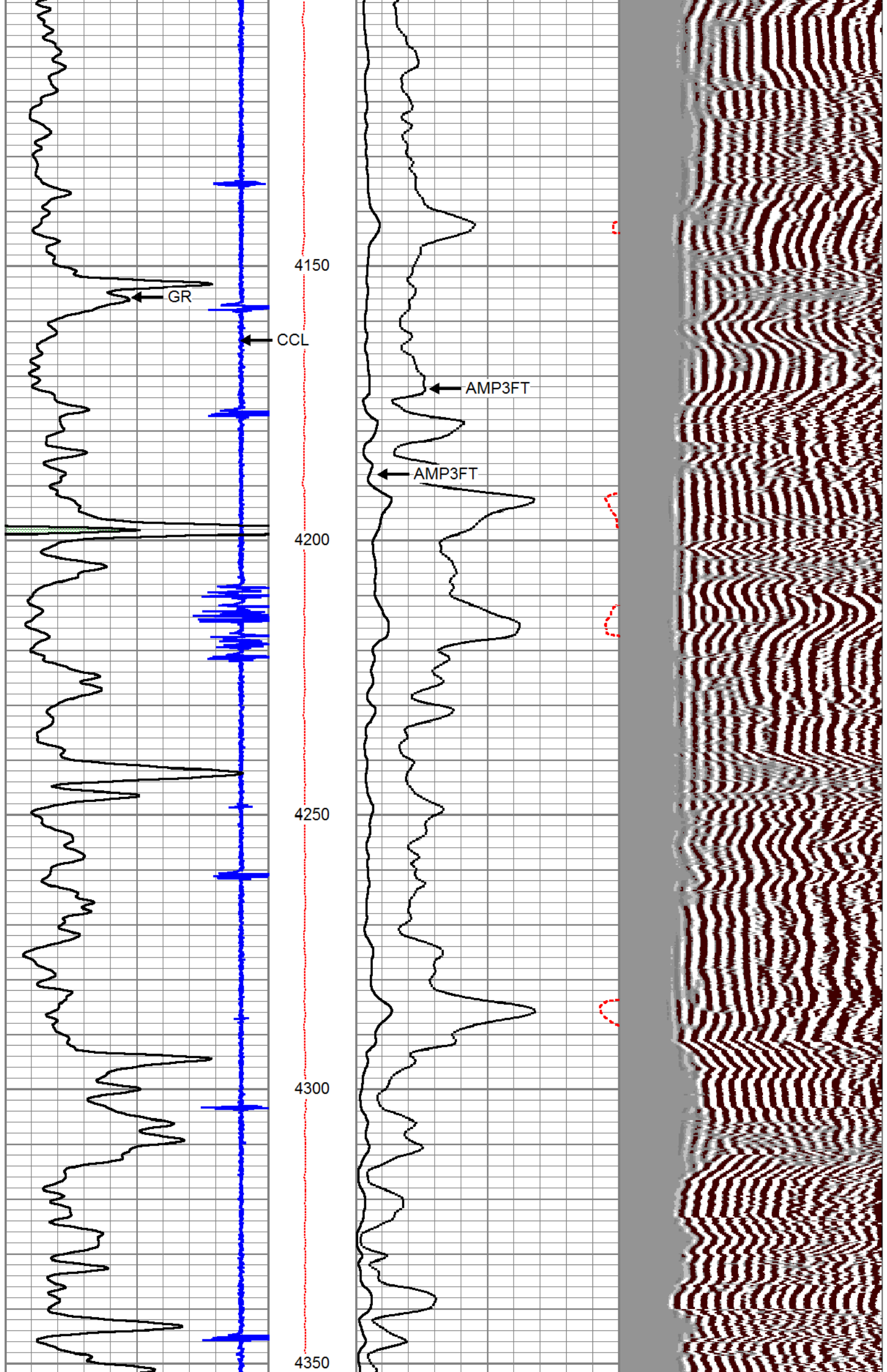


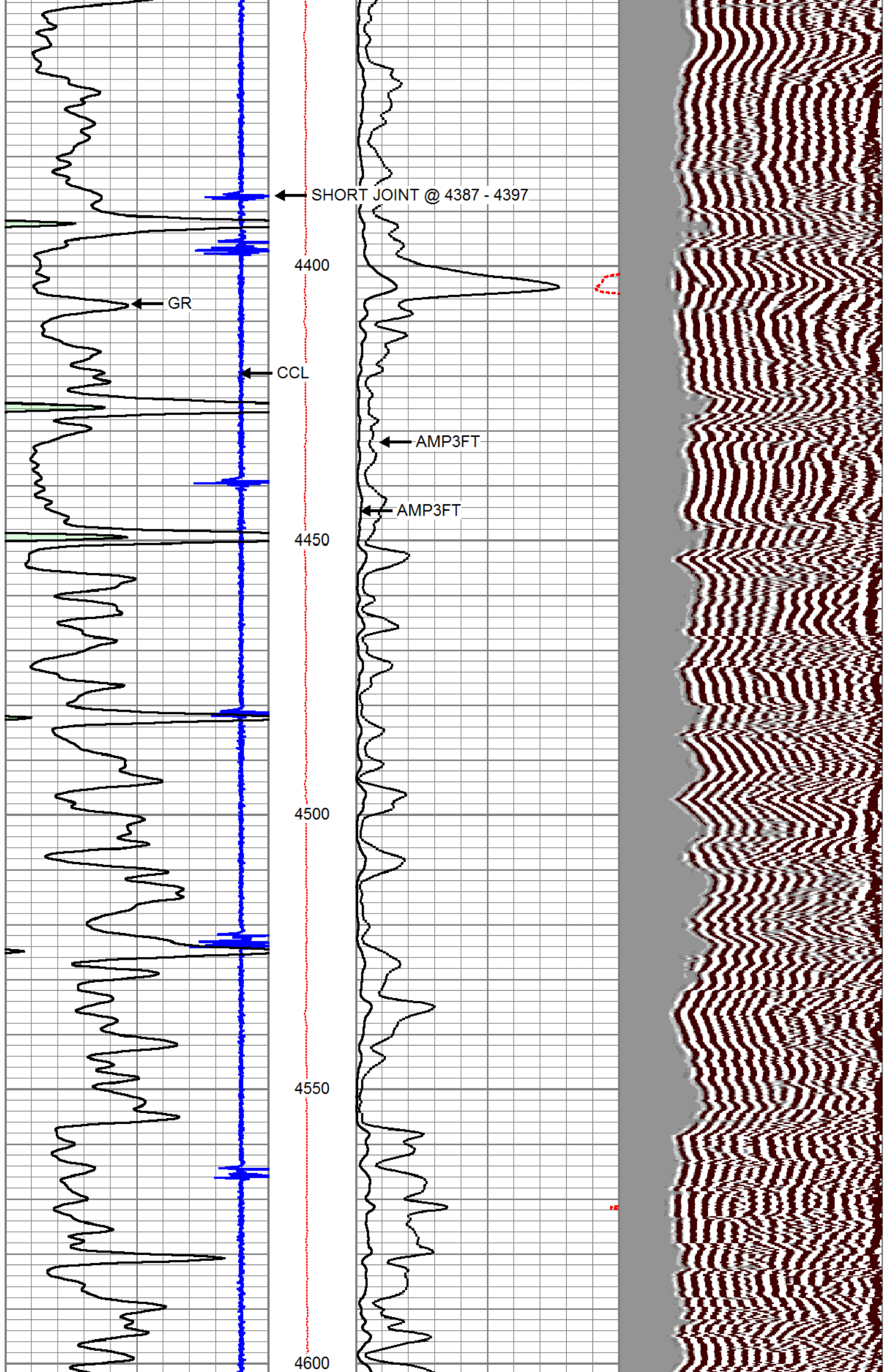


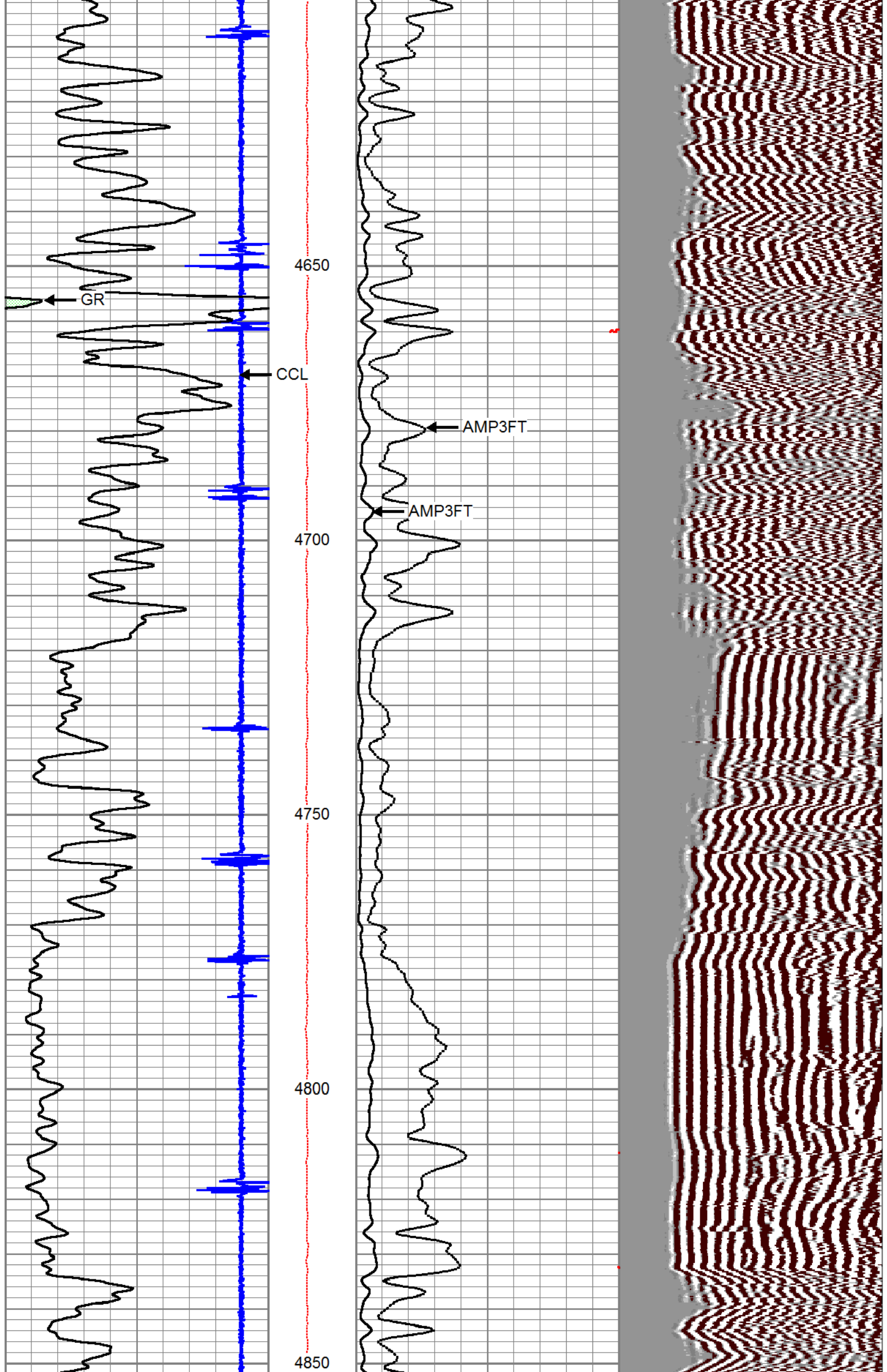


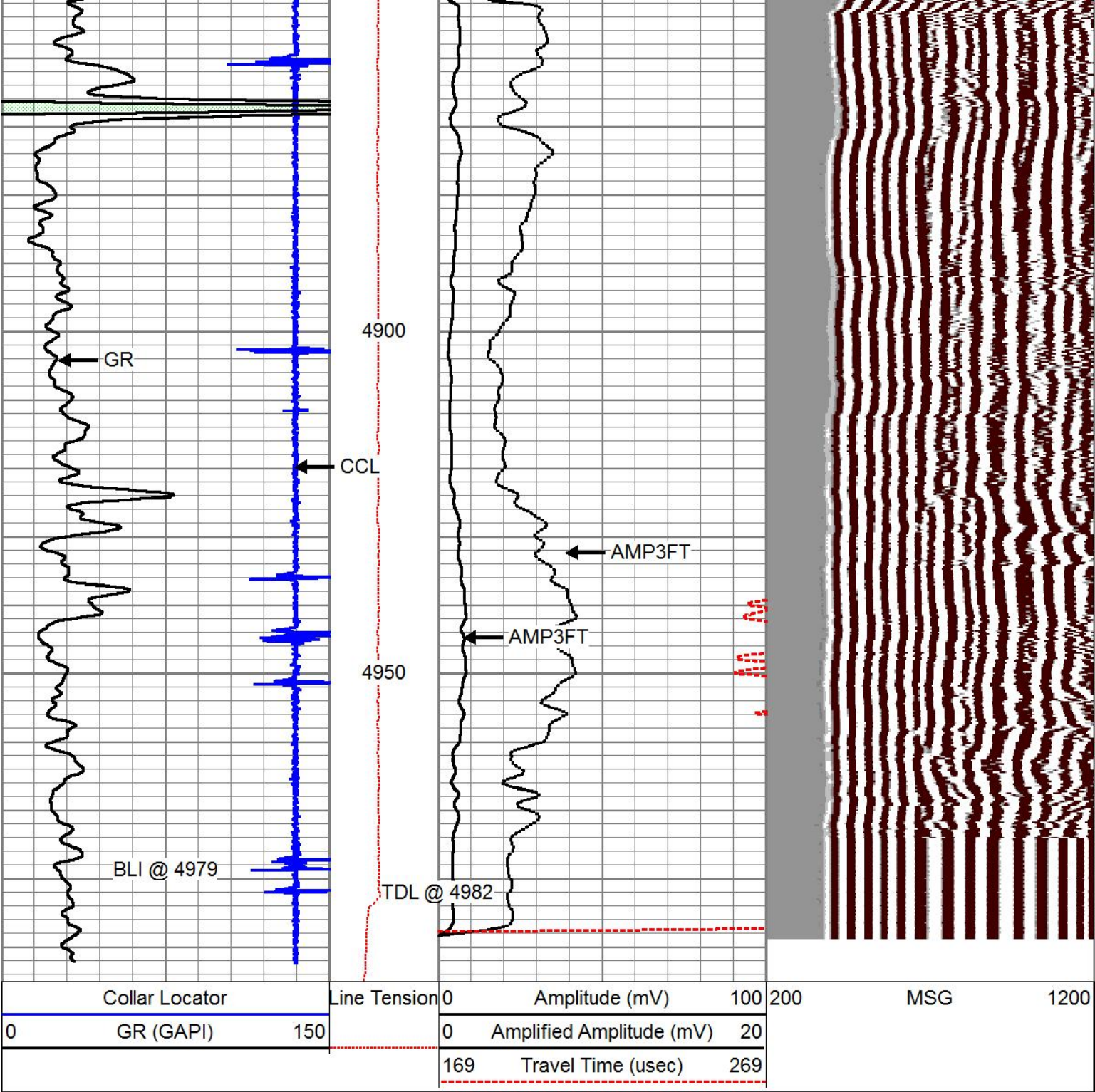












MAIN PASS

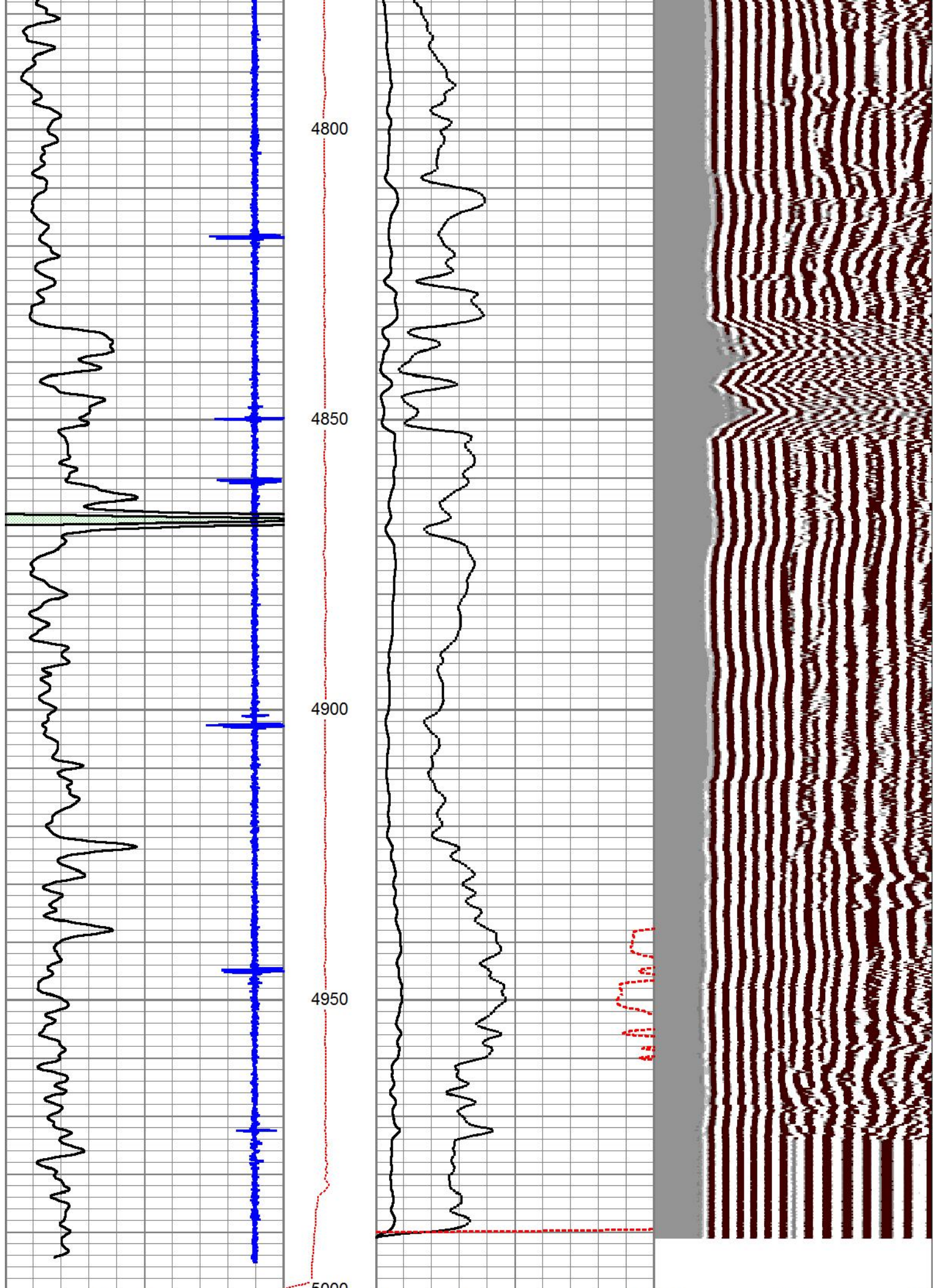
SCALE 1:240

REPEAT PASS

SCALE 1:240

Database File	merit_hylbom_a6.db
Dataset Pathname	pass2
Presentation Format	cbl_pn
Dataset Creation	Tue Jul 15 11:20:15 2014
Charted by	Depth in Feet scaled 1:240

Collar Locator	Line Tension	Amplitude (mV)	MSG
0	0	100	200
GR (GAPI)	150	20	1200
169	Travel Time (usec)	269	



Collar Locator			Line Tension	0	Amplitude (mV)	100	200	MSG	1200
0	GR (GAPI)	150		0	Amplified Amplitude (mV)	20			
				169	Travel Time (usec)	269			

REPEAT PASS

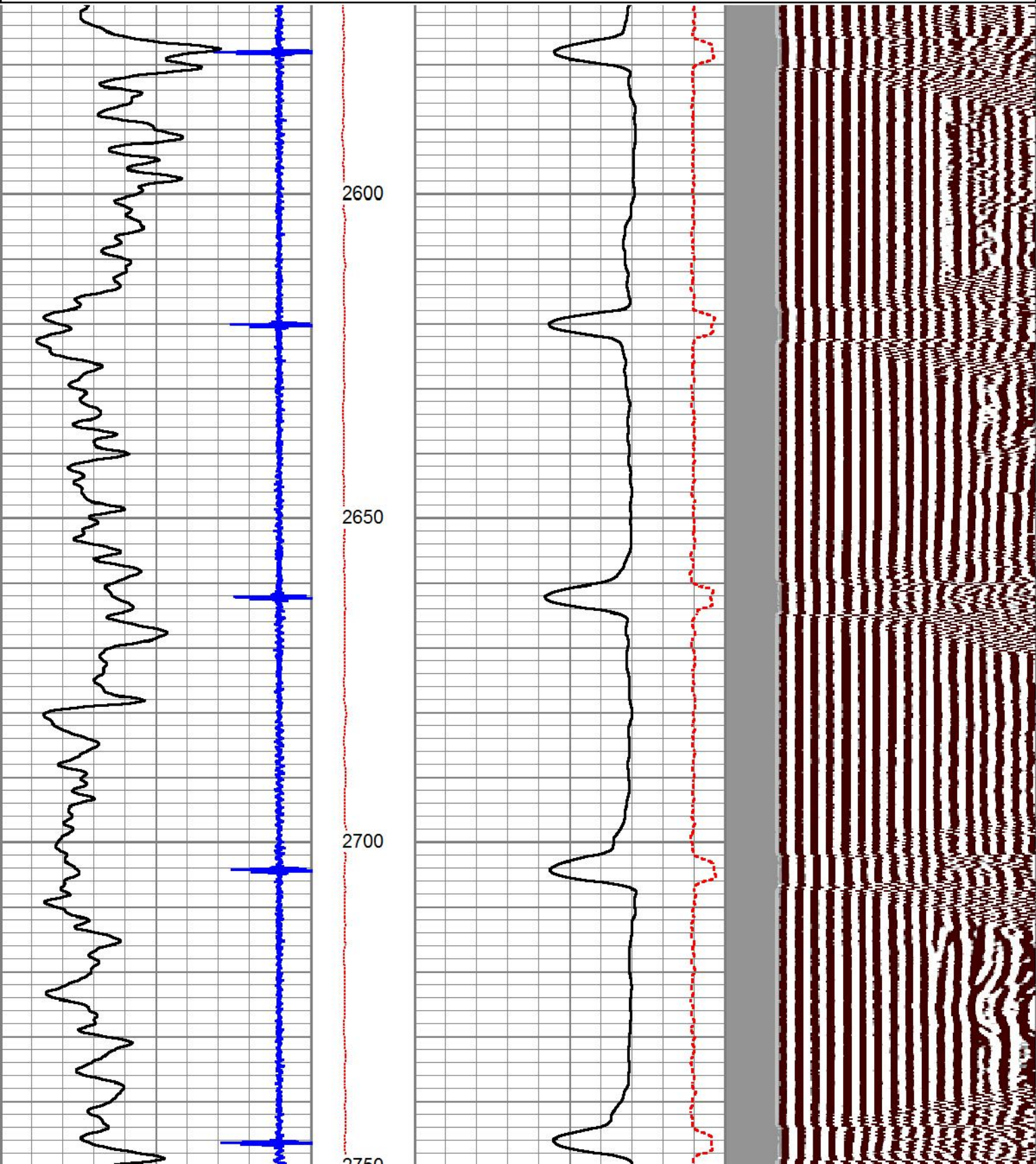
FREE PIPE PASS

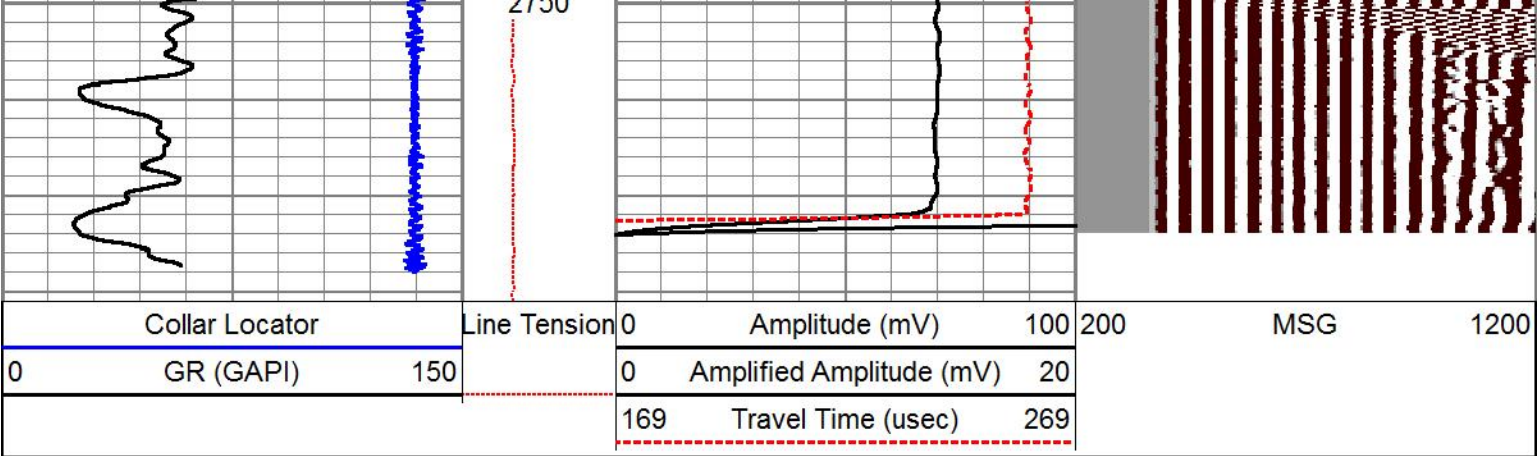
SCALE 1:240

HALLIBURTON

Database File merit_hylbom_a6.db
Dataset Pathname pass1
Presentation Format cbl_pn
Dataset Creation Tue Jul 15 11:04:20 2014
Charted by Depth in Feet scaled 1:240

Collar Locator			Line Tension	0	Amplitude (mV)	100	200	MSG	1200
0	GR (GAPI)	150		0	Amplified Amplitude (mV)	20			
				169	Travel Time (usec)	269			





FREE PIPE PASS

SCALE 1:240

Log Variables

DatabaseC:\ProgramData\Warrior\Data\merit_hylbom_a6.db
Dataset field/well/run1/pass4

Top - Bottom

PPT usec 0	CASEWGHT lb/ft 17	MAXAMPL mV 72	MINAMPL mV 0.5	MINATTN db/ft 0.8	SRFTEMP degF 0	MudWgt lb/gal 8.4
CASETHCK in 0	CASEOD in 5.5	PERFS 0	TDEPTH ft 5000	BOTTEMP degF 100	BITSIZE in 7.875	

Calibration Report

Database File merit_hylbom_a6.db
Dataset Pathname pass4
Dataset Creation Tue Jul 15 11:34:21 2014

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 060633

SHOP CALIBRATION

Thu Jul 10 14:39:02 2014

Background	Counts/Sec.	Gain	Offset	Jig	Units
Calibrator	34.7				cps
	230.8	1.1500			cps
					GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

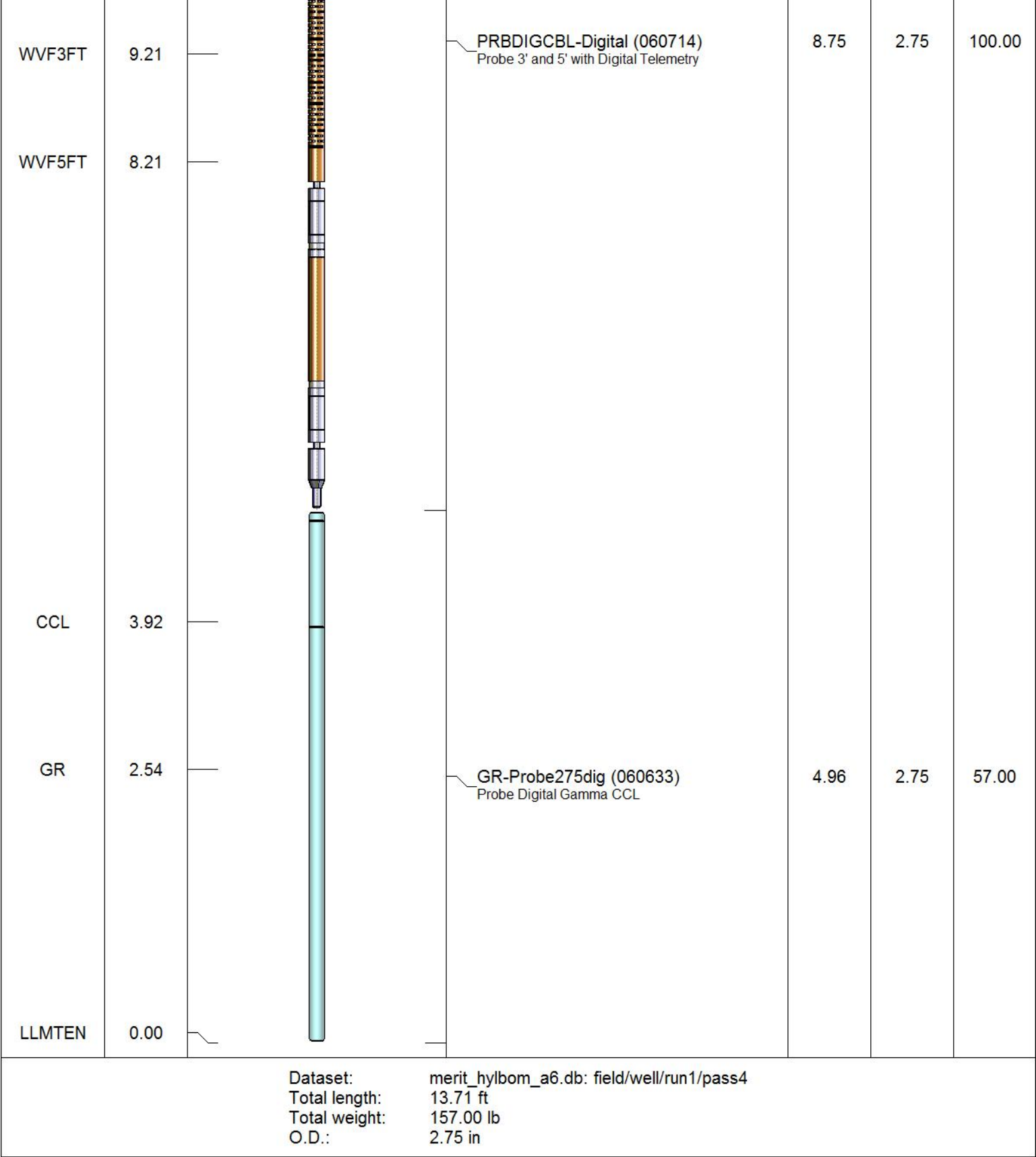
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: 060714
Tool Model: Digital

Tool Model:		Digital				
Calibration Casing Diameter:		5.500	in			
Calibration Depth:		2709.165	ft			
Master Calibration, performed Tue Jul 15 11:03:37 2014:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.009	0.819	0.000	71.921	88.794	-0.843
CAL						
5'	0.010	0.815	0.000	71.921	89.350	-0.921
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 (Not Performed):						
	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)
						



Company	MERIT ENERGY				
Well	HYLBOM A-6				
Field	REDWOOD				
County	FINNEY		State	KANSAS	
HALLIBURTON	CEMENT BOND LOG				
	SCALE 1:240				