ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company	**BILLI BARRETT CORP**
Well	**BOXELDER G-1**
Field	**AMBUSH**
County	
State	**COLORADO**

Location:

API # :

SEC

TWP

RGE

Other Services
PLUG
CEMENT

Permanent Datum	GL	Elevation	
Log Measured From	GL	Ft Above PD	
Drilling Measured From	GL		

Elevation
K.B.
D.F.
G.L.

Date	3/21/2013		
Run Number	ONE		
Depth Driller	N/A		
Present Depth Driller	7970'		
Depth Logger	7920'		
Bottom Logged Interval	7919'		
Top Log Interval	7050'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top	7580'		
Equipment Number	219		
Location	JOHNSTOWN		
Recorded By	WILLIAMS	HARRIS	PINSON
Witnessed By	MR. ETTER		

	Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.5"	11.6#	SURFACE	TD

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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.

WARRIOR 7.0 SOFTWARE - Comments

NOTE: THIS LOG WAS NOT CORRELATED
MAIN PASS 5" = 100'
AFE:16746

Calibration Report

Database File:	0321213_bbc_boxelder_g-1.db
Dataset Pathname:	MAIN/pass1
Dataset Creation:	Thu Mar 21 13:25:34 2013 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	TEKCO234_352	
Tool Model:	TEKCO234	
Performed:	Tue Jul 29 08:24:09 2008	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.3000	/cps

CBL Calibration Report

Serial Number:	TEKCO_8010		
Tool Model:	TEKCO		
Performed:	Thu Mar 21 12:47:57 2013		
Depth:	5555.142	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.000	0.000	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.000	0.000	V
Reading in Free Pipe:	0.269	0.354	V
Gain:	301.536	229.381	
Offset:	0.000	0.000	

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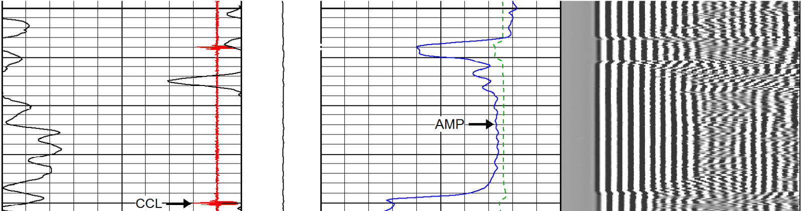
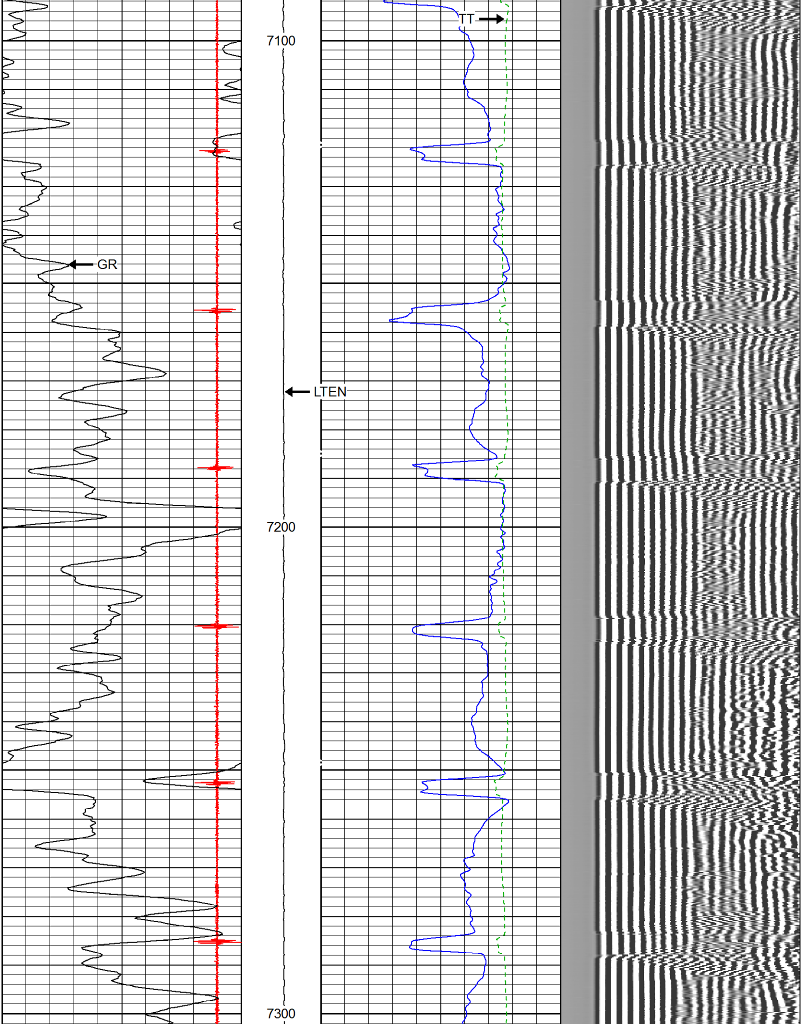
MAIN PASS

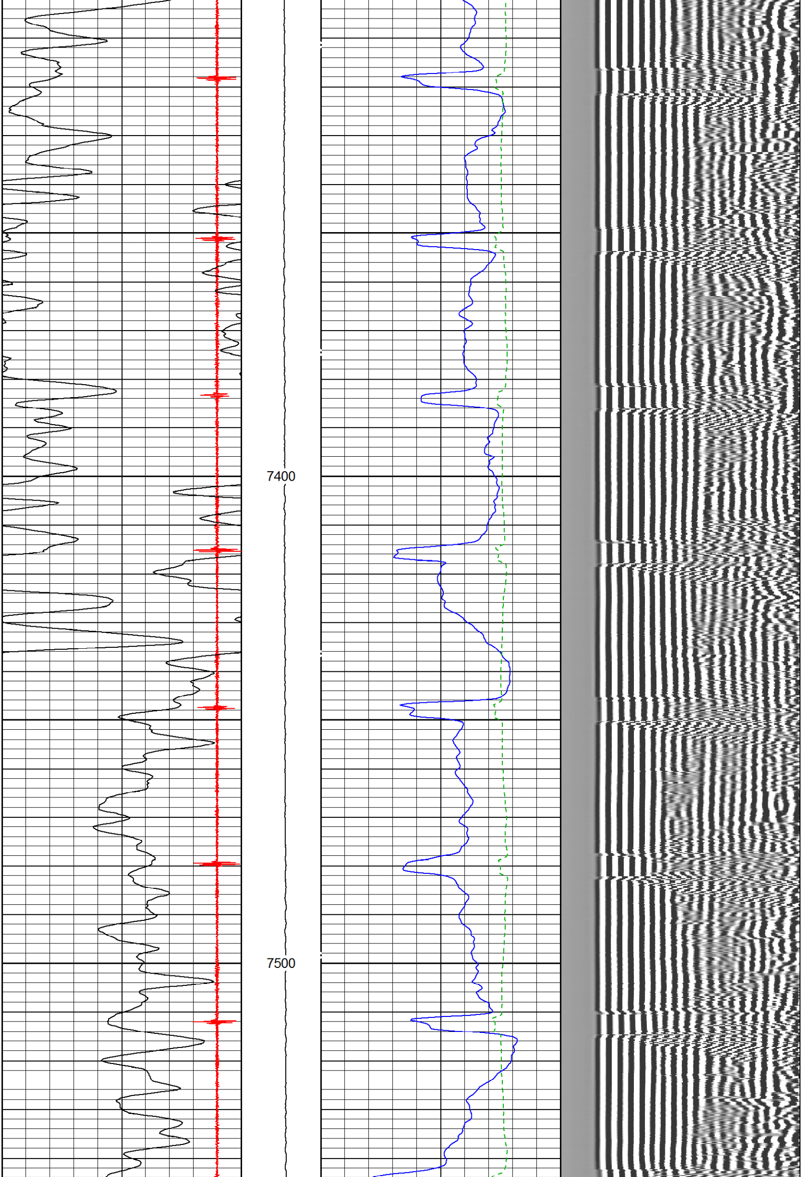
Database File:	0321213_bbc_boxelder_g-1.db
Dataset Pathname:	MAIN/pass1
Presentation Format:	rmws_dsc
Dataset Creation:	Thu Mar 21 13:25:34 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

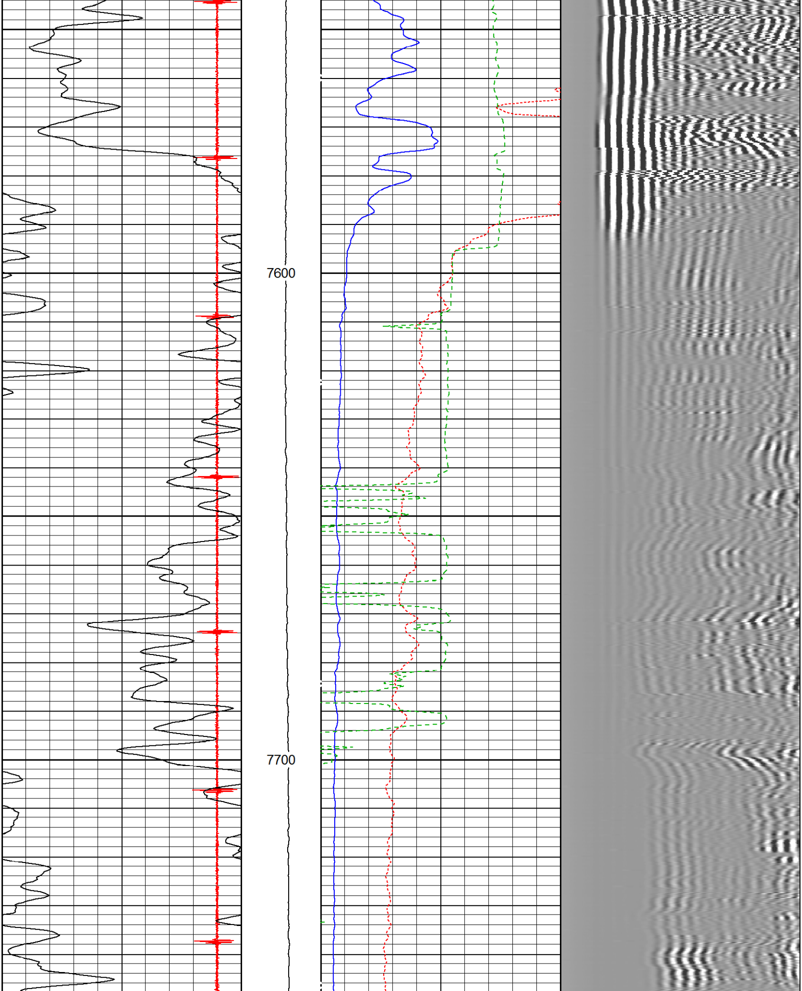
-27 CCL 3 0 GR 150	LTEN 0 (lb)2000	0 AMPx5 (mV) 20 0 AMP (mV) 100 380 TT (usec) 180

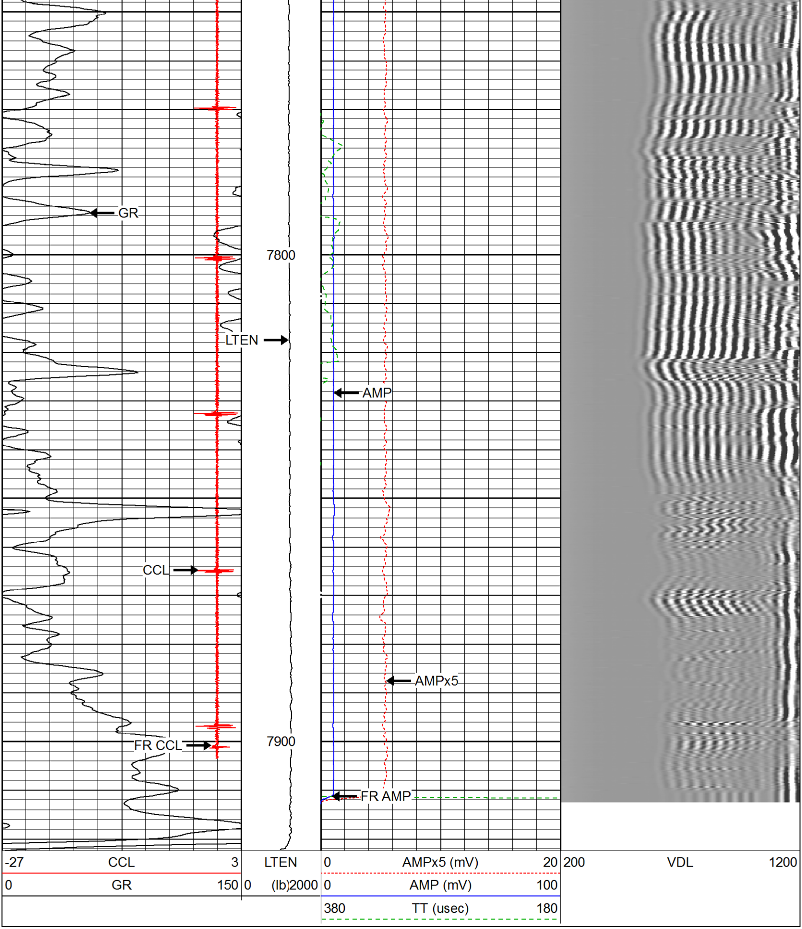


(VDL header: 200 VDL 1200)







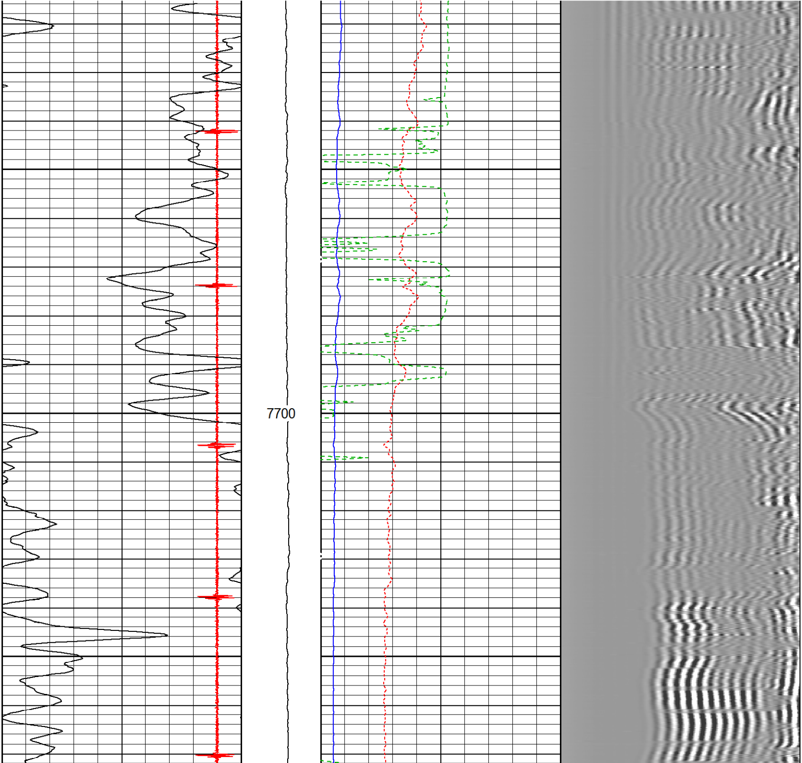


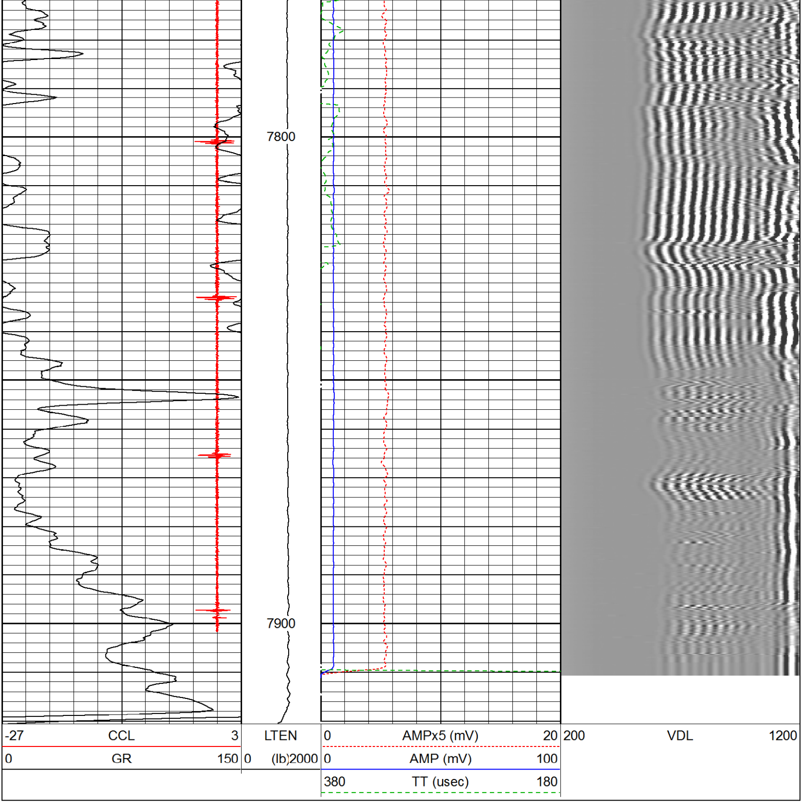
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File:	0321213_bbc_boxelder_g-1.db
Dataset Pathname:	REPEAT/pass1
Presentation Format:	rmws_dsc
Dataset Creation:	Thu Mar 21 13:05:02 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

-27	CCL	3	LTEN	0	AMPx5 (mV)	20	200	VDL	1200
0	GR	150	0 (lb)2000	0	AMP (mV)	100			
				380	TT (usec)	180			

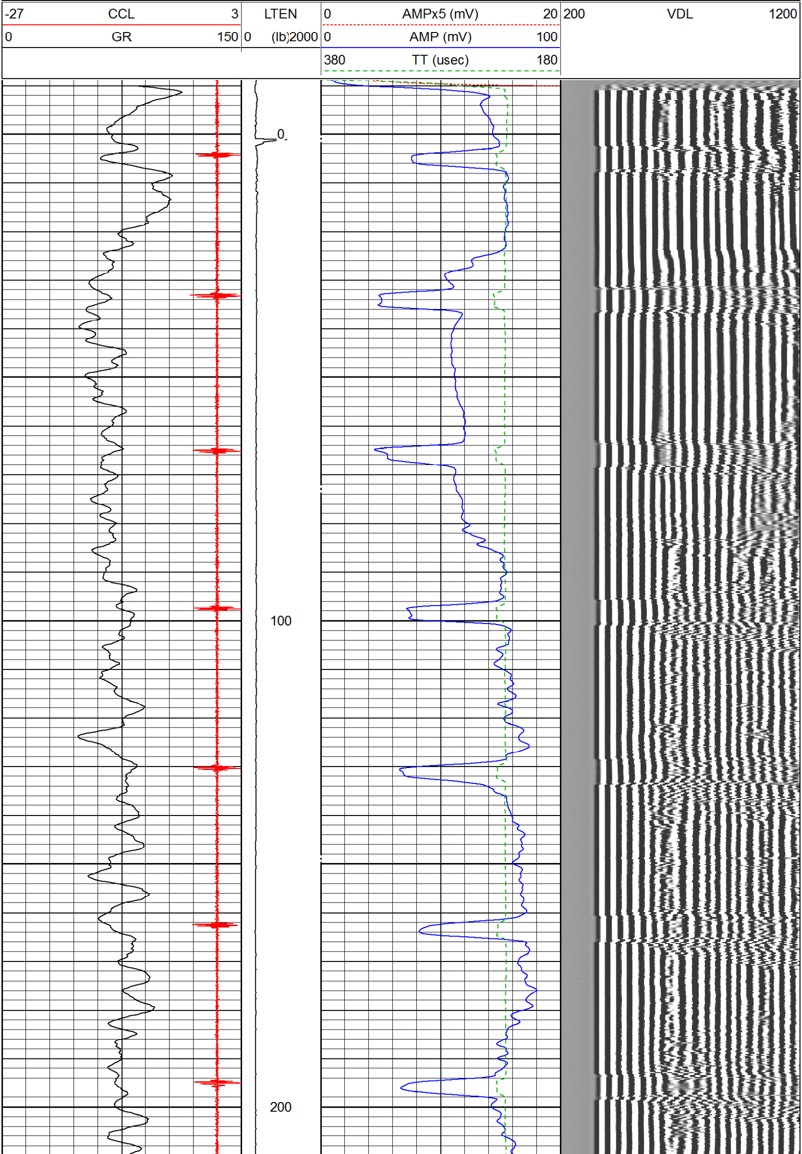


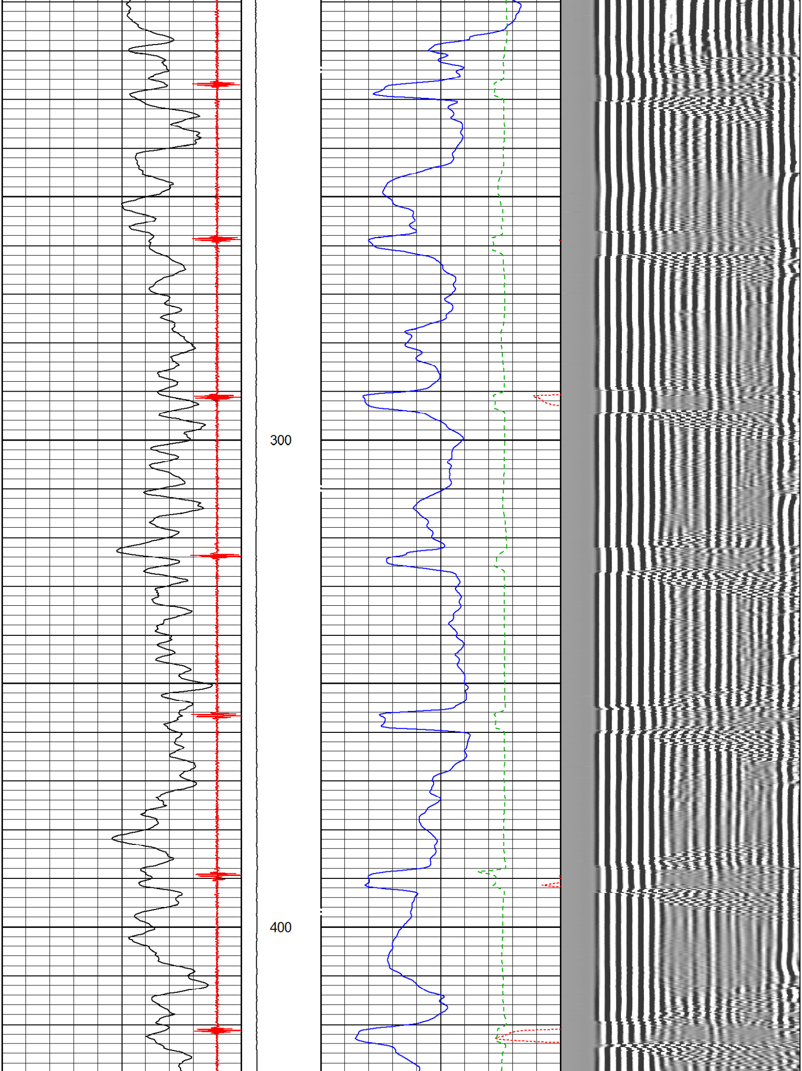


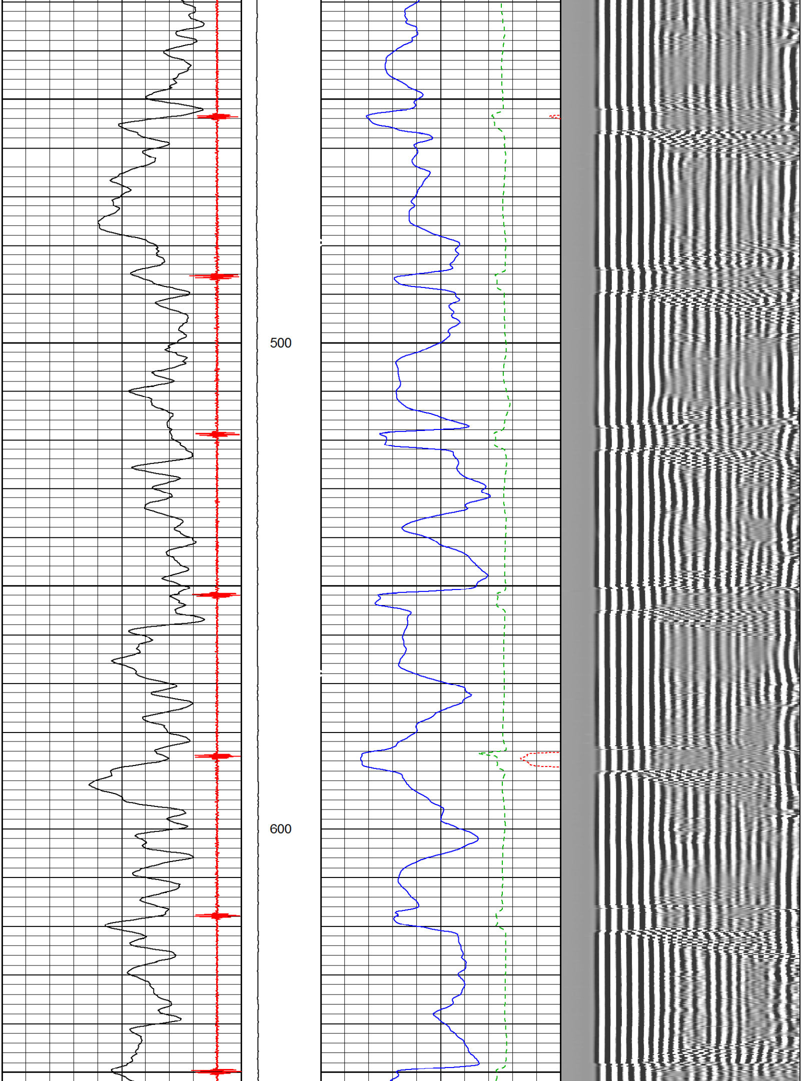
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

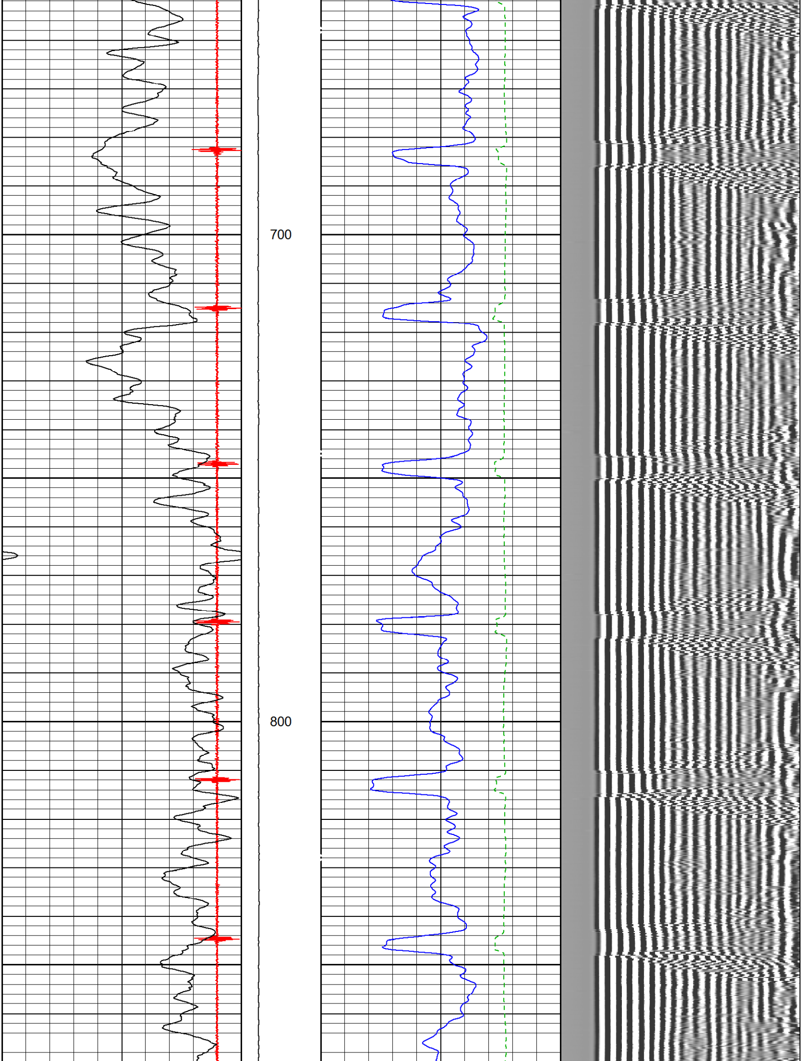
TOP PASS

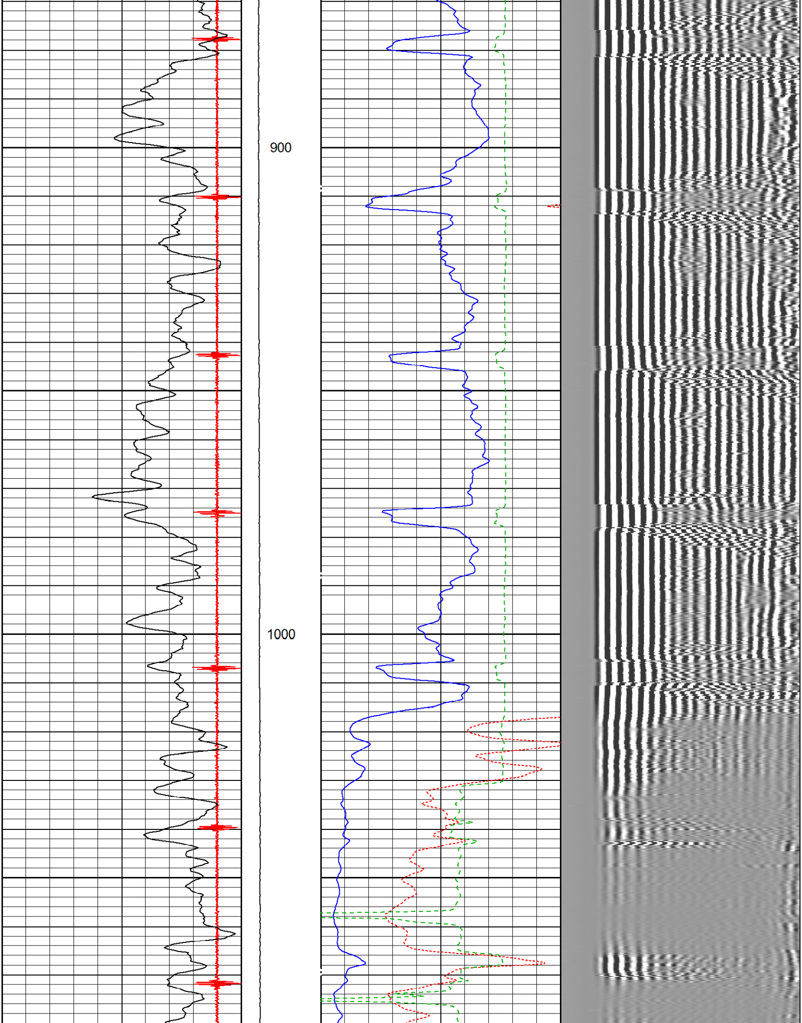
Database File: 0321213_bbc_boxelder_g-1.db
Dataset Pathname: MAIN2/pass1
Presentation Format: rmws_dsc
Dataset Creation: Thu Mar 21 14:06:02 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

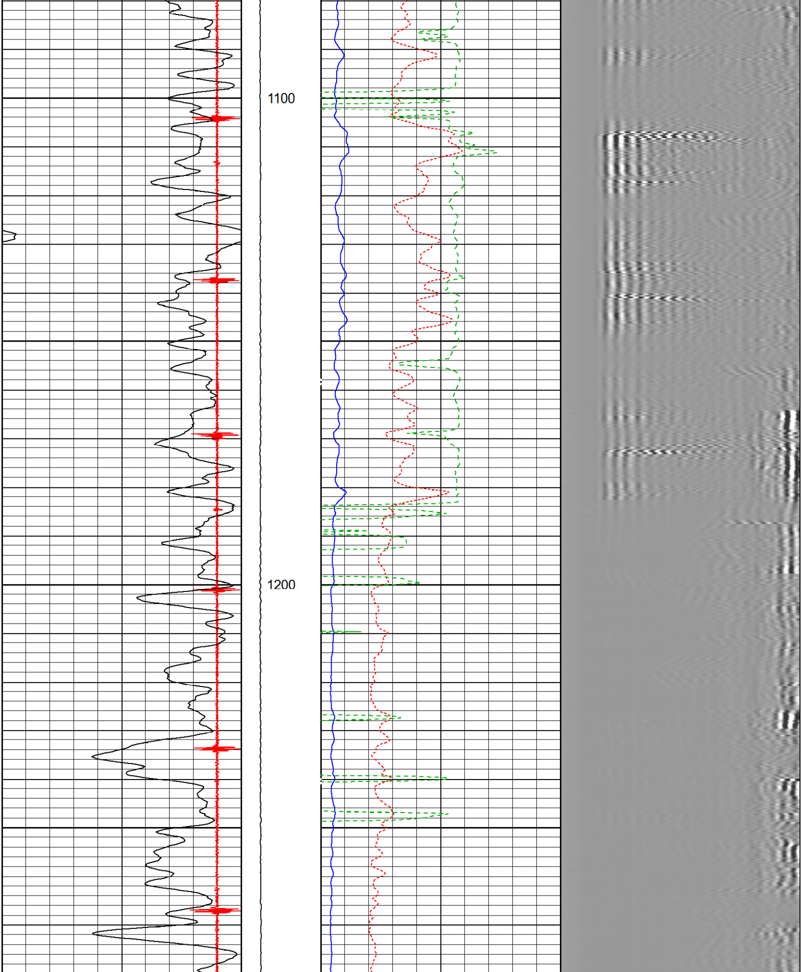


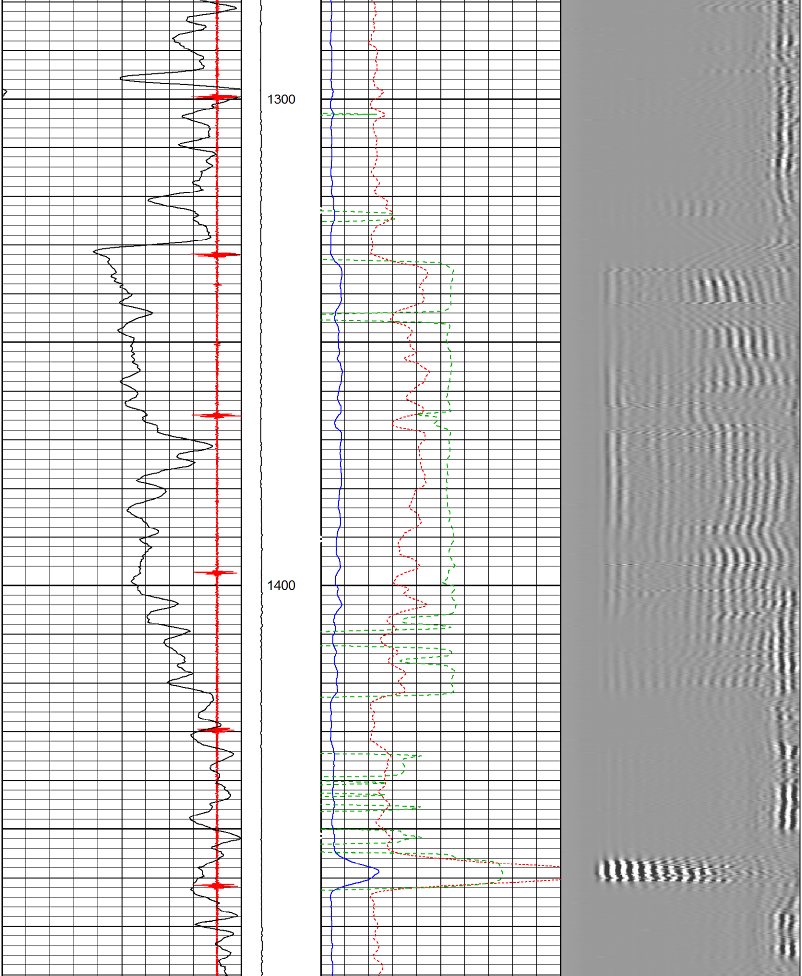


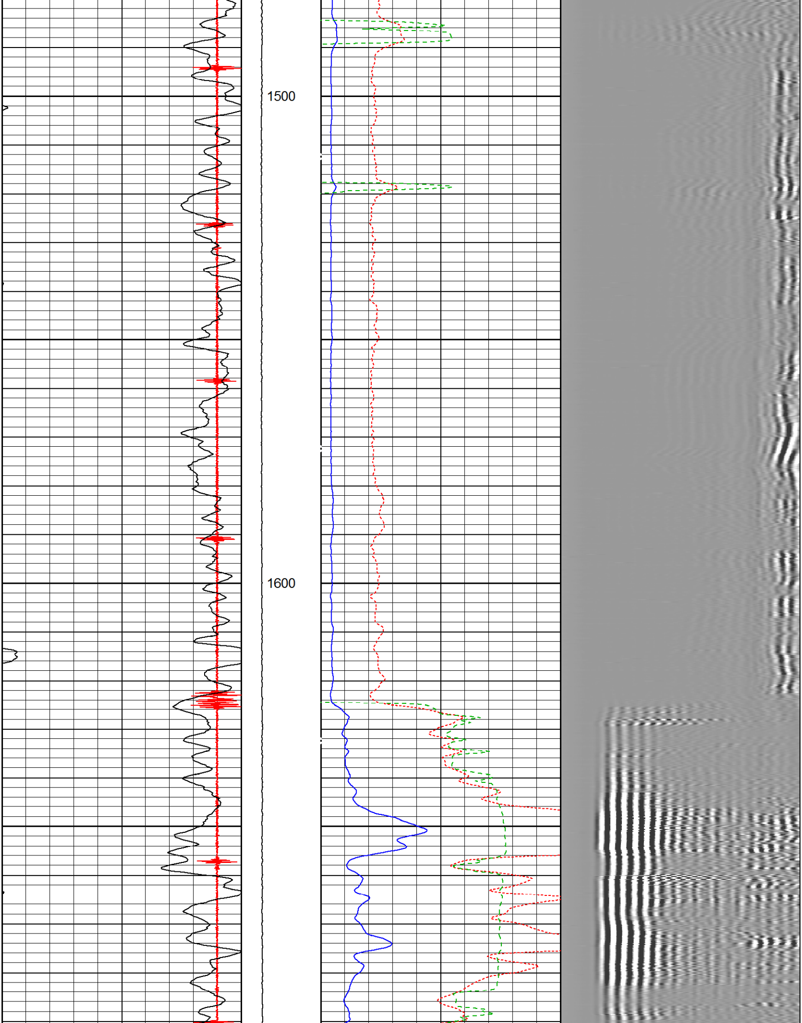


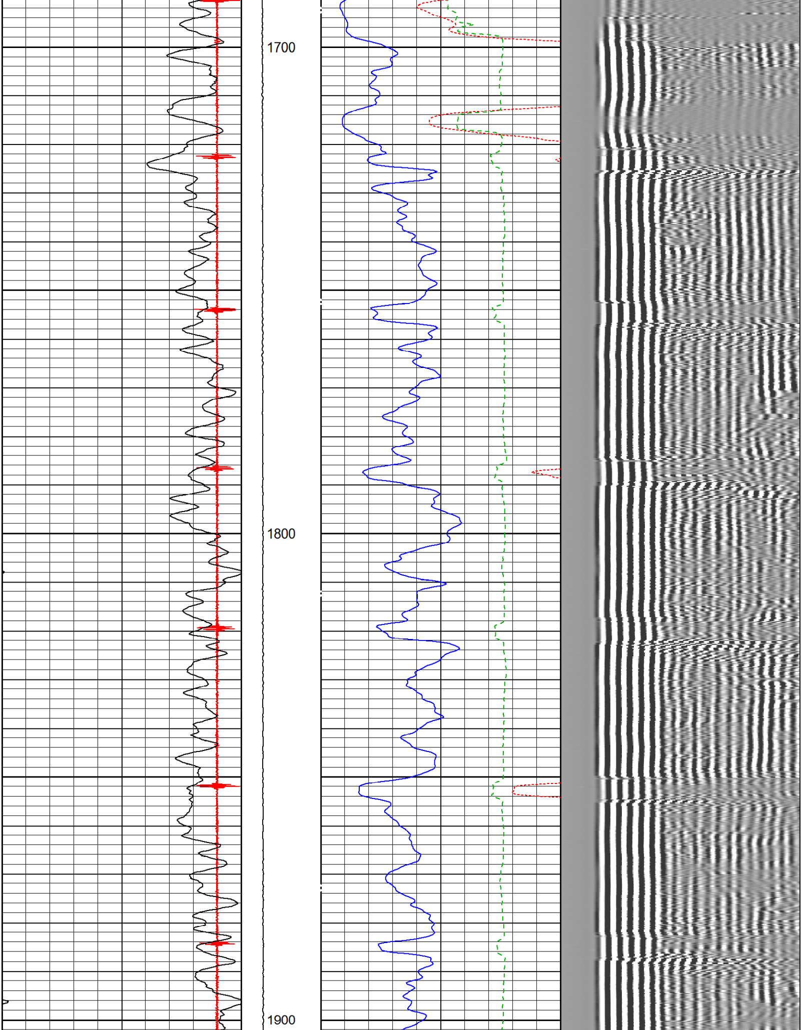


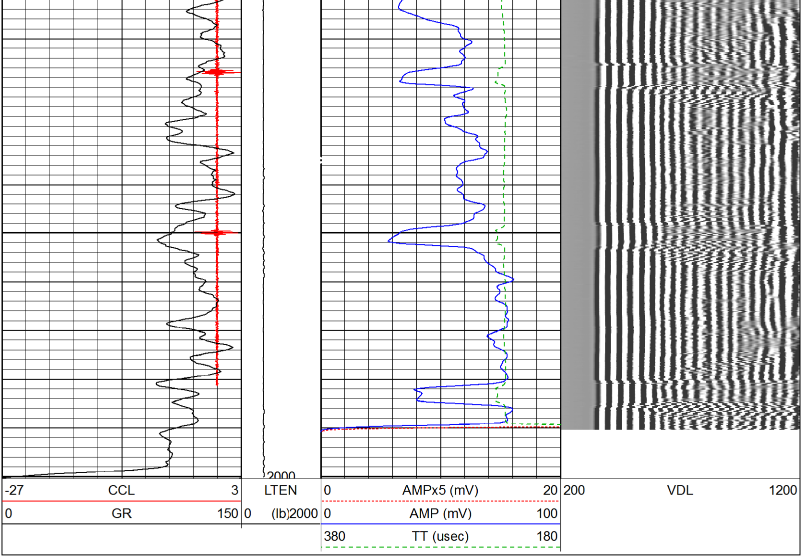












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