RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Cement Bond log
CCL, Gammaray

Company	**Anadarko**		
Well	**Reynolds 27-23 X**		
Field	**Wattenberg**		
County	**Weld**	State	**Colorado**

Location:

API # : 0512324874

SEC 23 TWP 3N RGE 68W

Other Services

Permanent Datum	GL	Elevation	4930'
Log Measured From	KB	Ft Above PD	12'
Drilling Measured From	KB		

Elevation
K.B. 4942'
D.F. 4941'
G.L. 4930'

Date	18 Mar 2019		
Run Number	One		
Depth Driller	7460'		
Present Depth Driller	7460'		
Depth Logger	3900'		
Bottom Logged Interval	3900'		
Top Log Interval	Surface		
Fluid Level	Surface		
Type Fluid	Water		
Max. Recorded Temp.	N/A		
Estimated Cement Top	See Log		
Equipment Number	222		
Location	Johnstown		
Recorded By	C. Burns		
Witnessed By			

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				8.63	24#	Surface	757'
				4.5	11.6	Surface	7458'

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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.

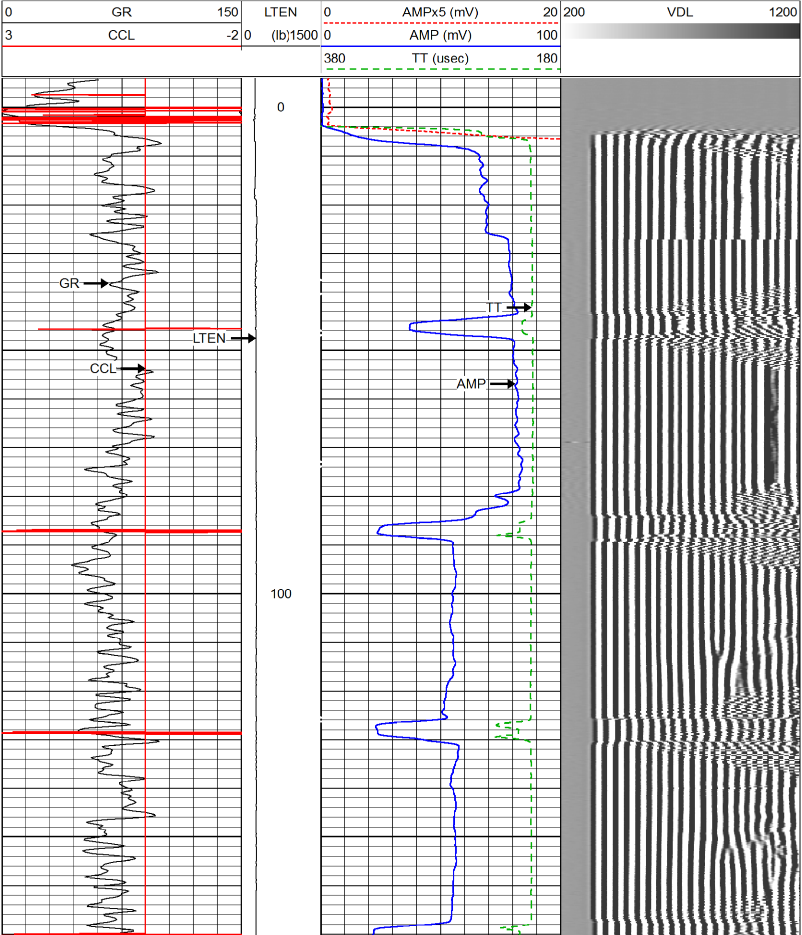
WARRIOR 7.0 SOFTWARE - Comments

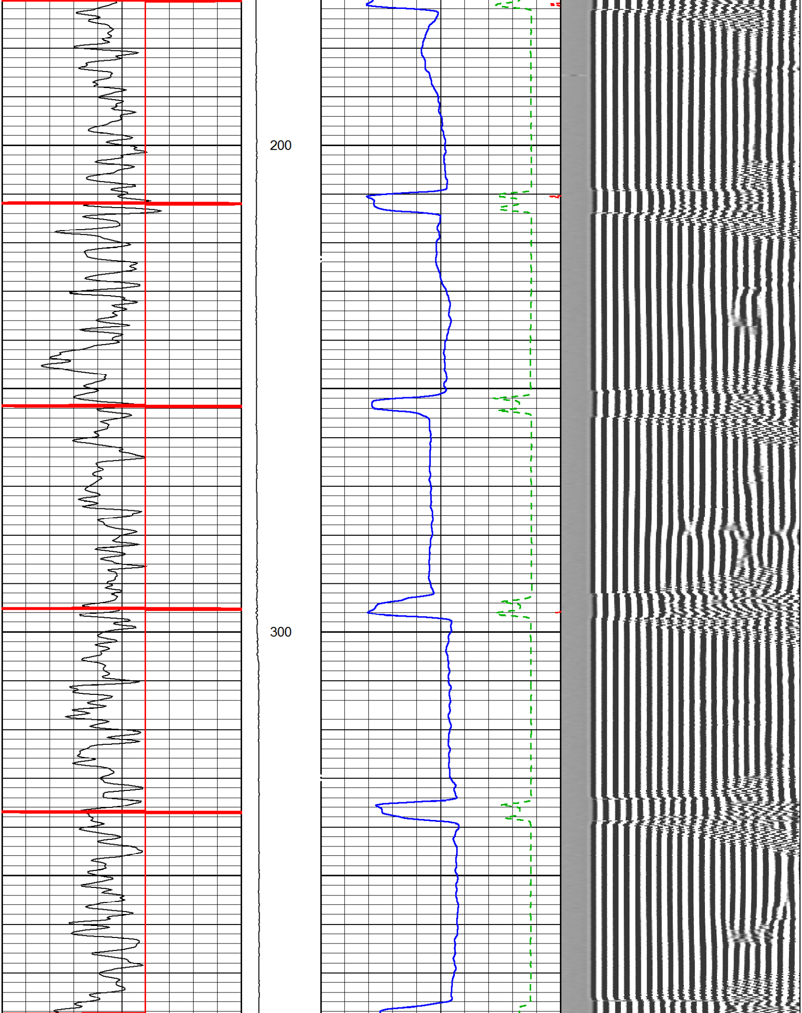
Callibrated tool @ 2354.6'

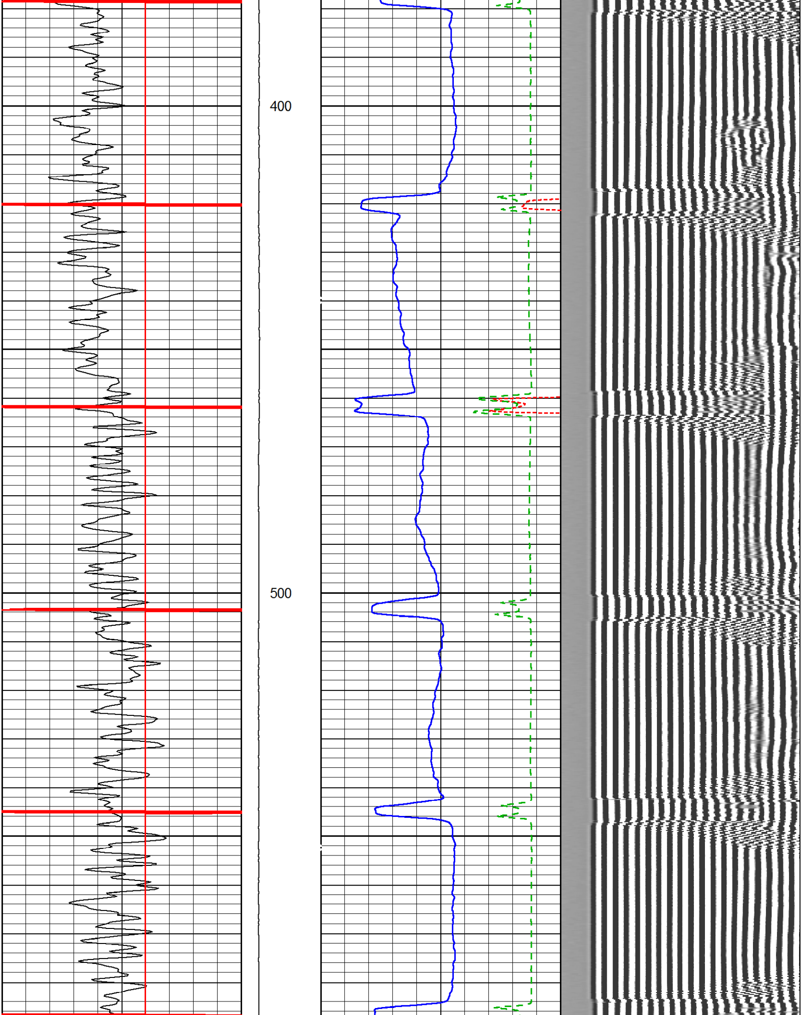
ROCKY MOUNTAIN WIRELINE SERVICE

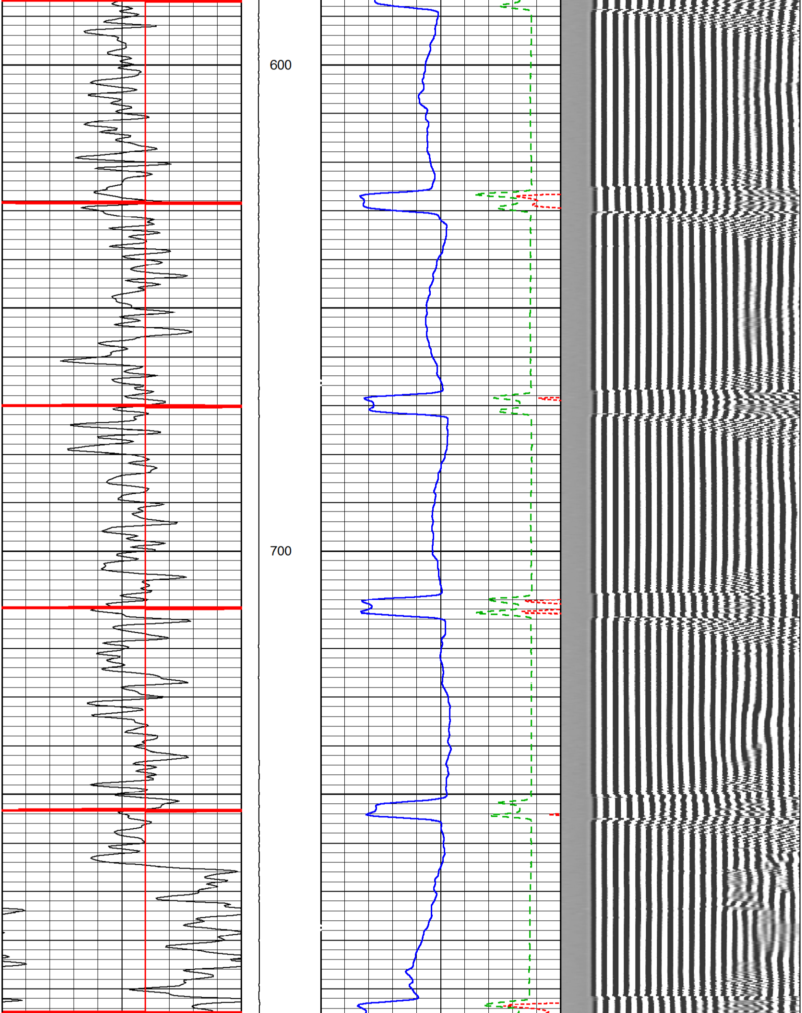
MAIN PASS
500 PSI on well

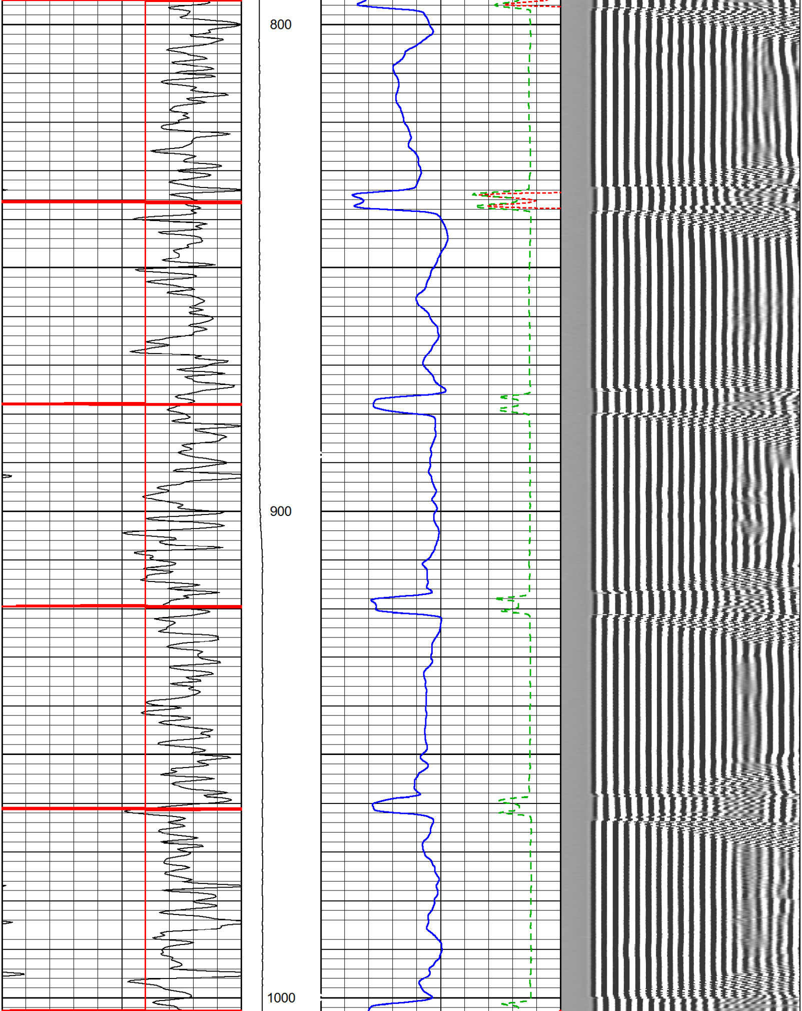
Database File: reynolds27-23x.db
Dataset Pathname: pass7.7
Presentation Format: rmws_dsc
Dataset Creation: Mon Mar 18 13:06:59 2019 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240

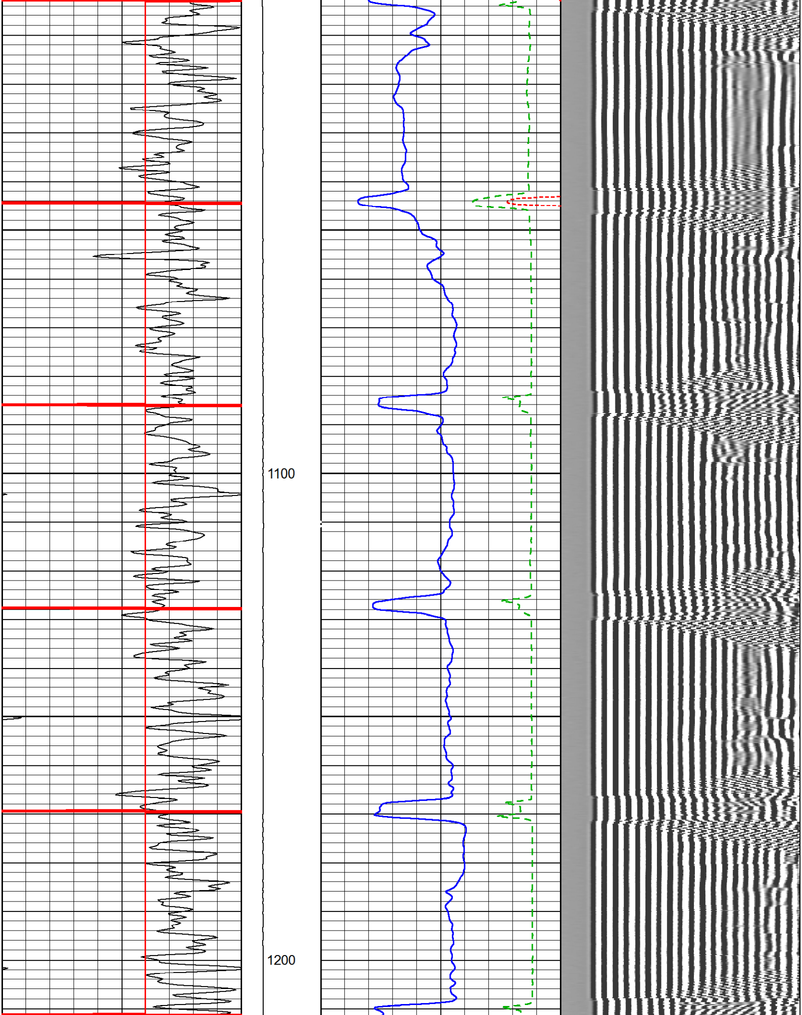


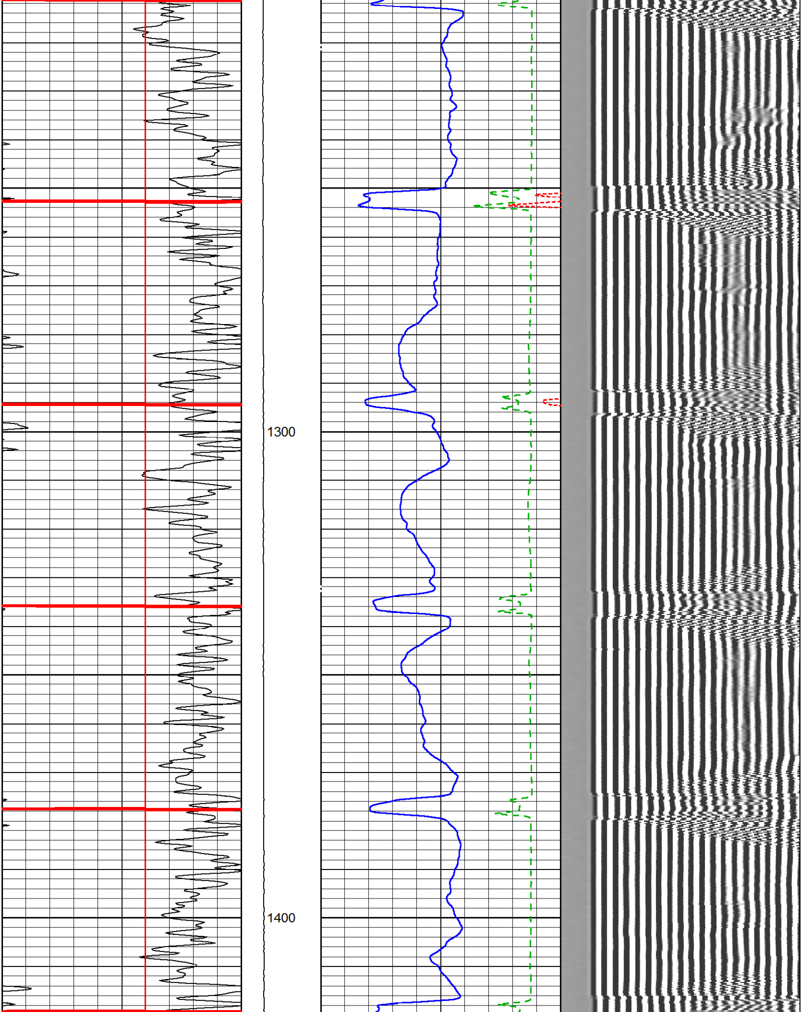


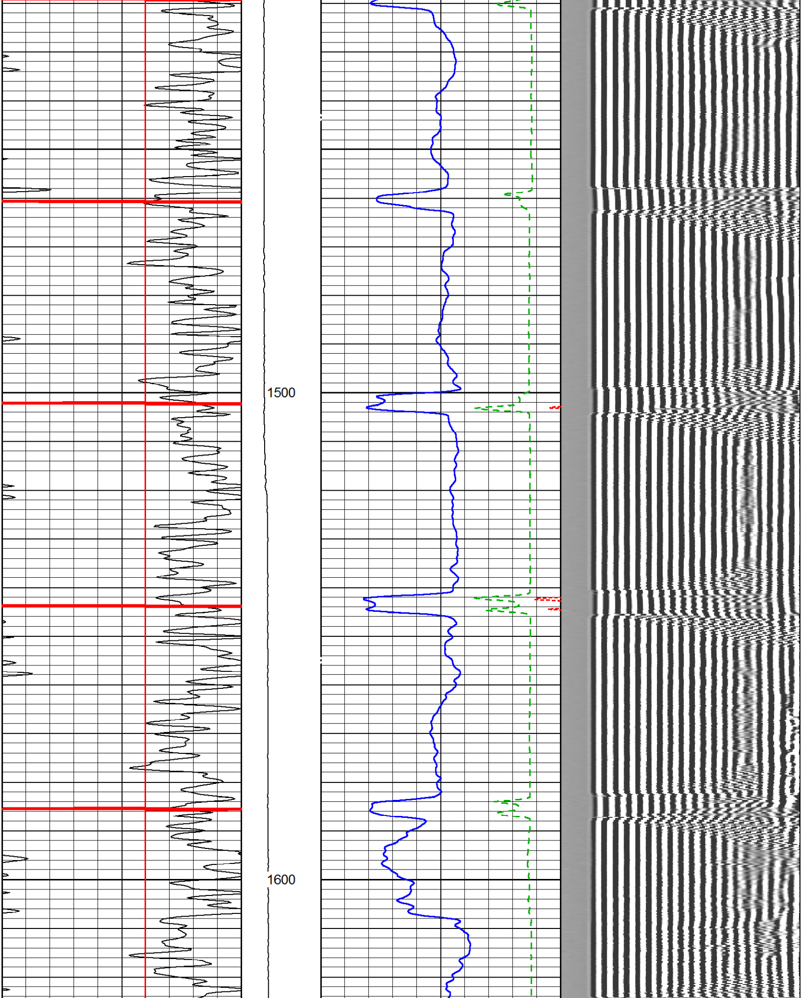


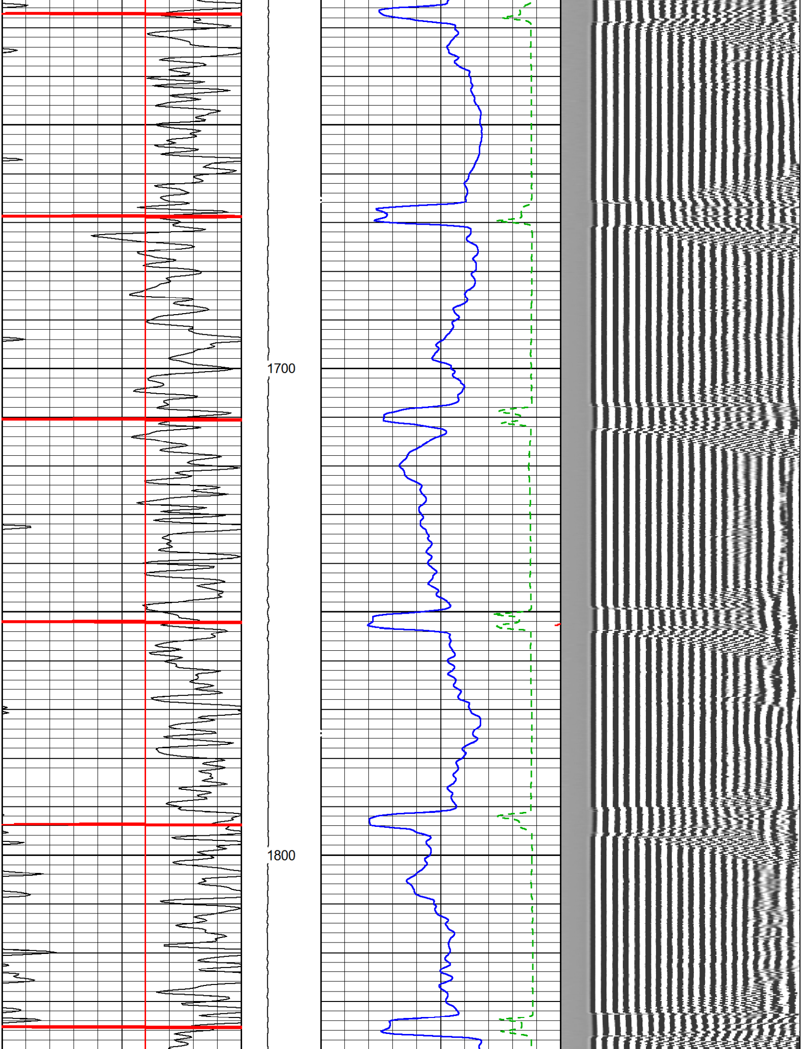


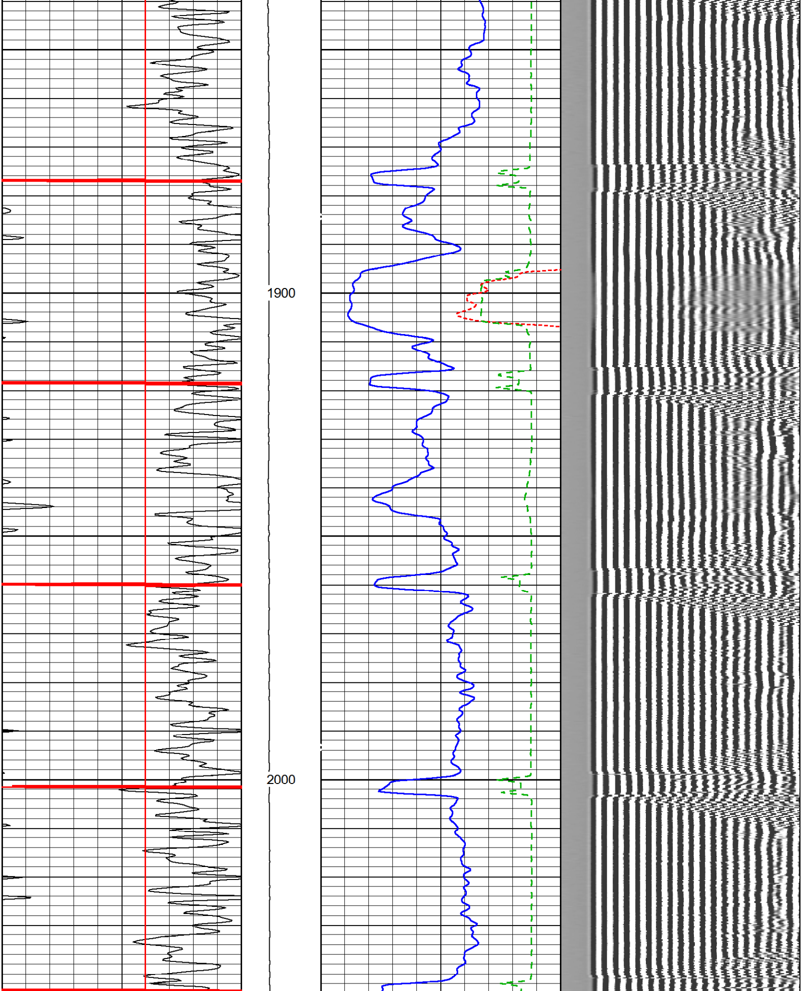


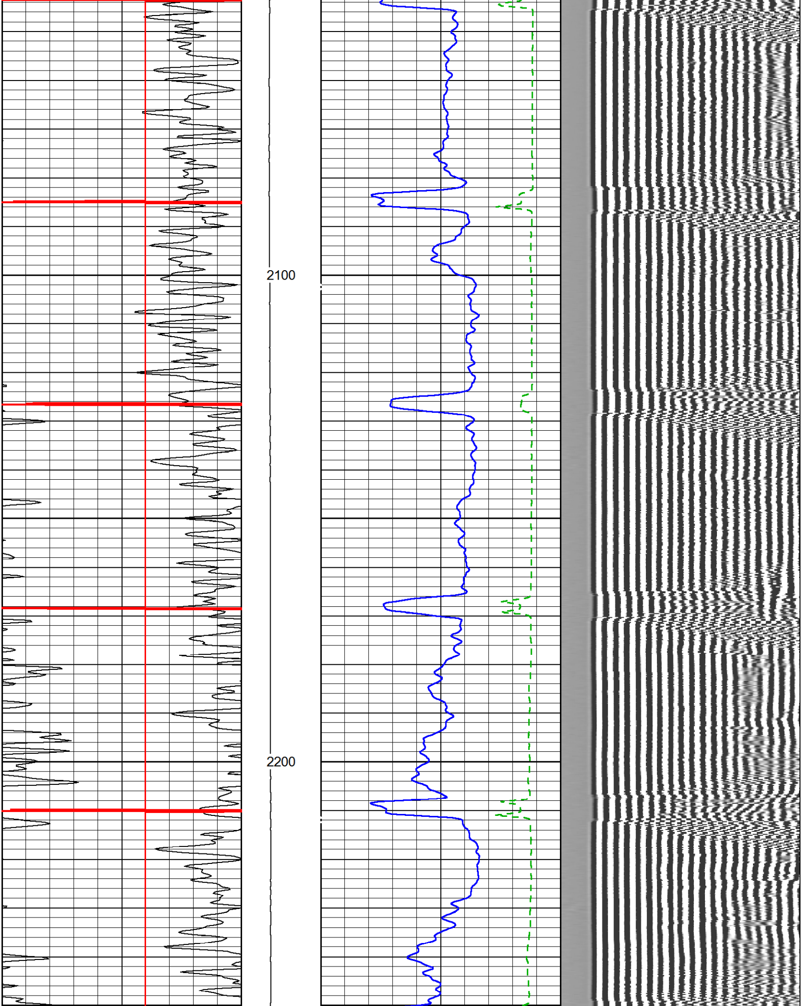


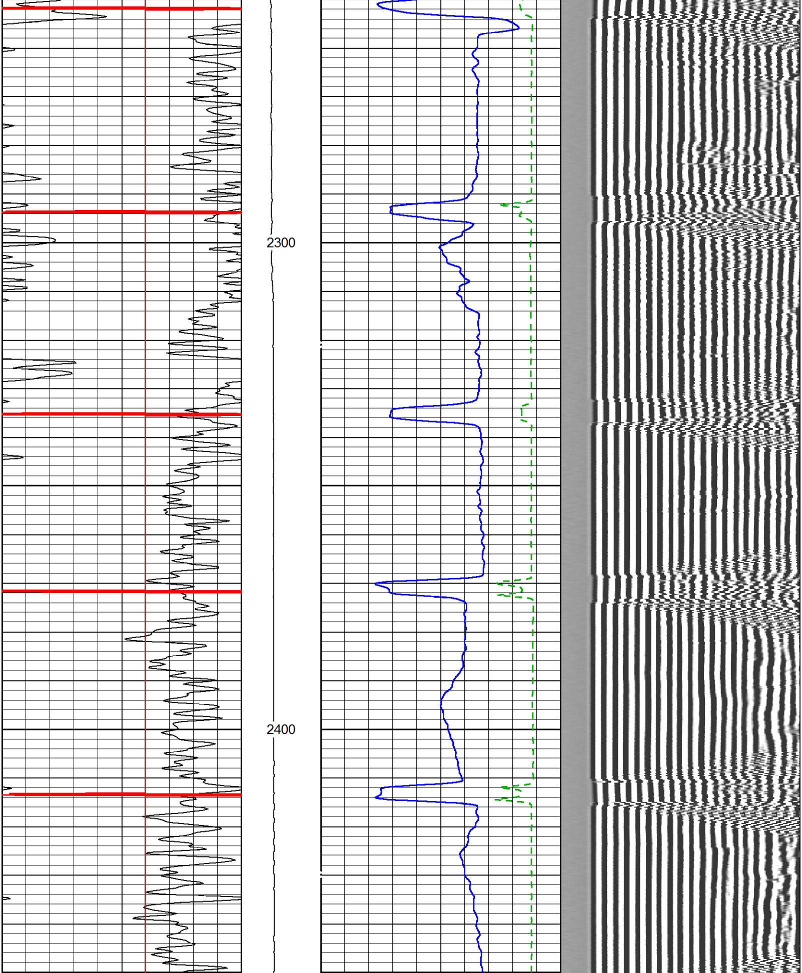


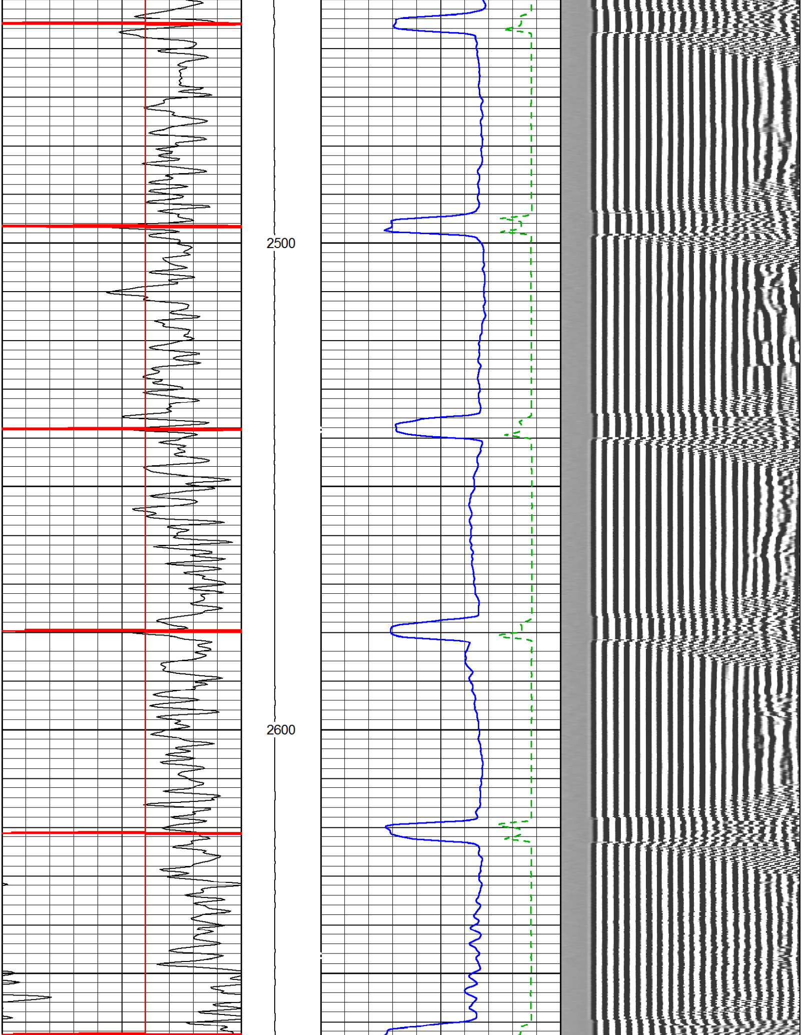


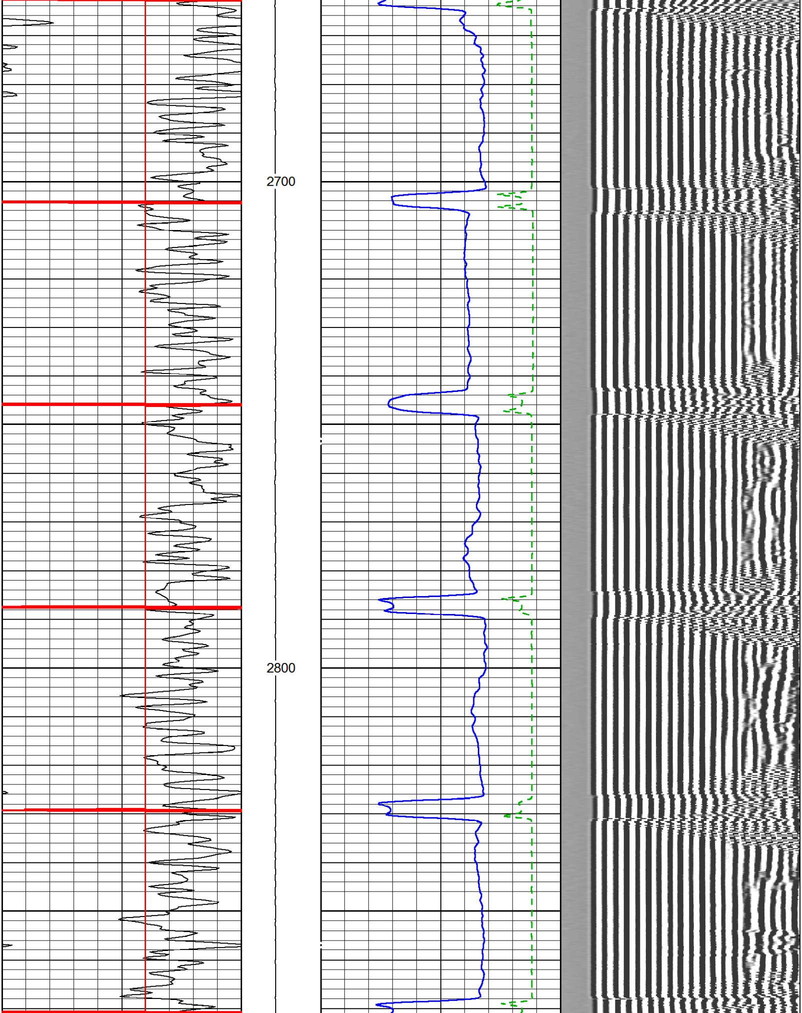


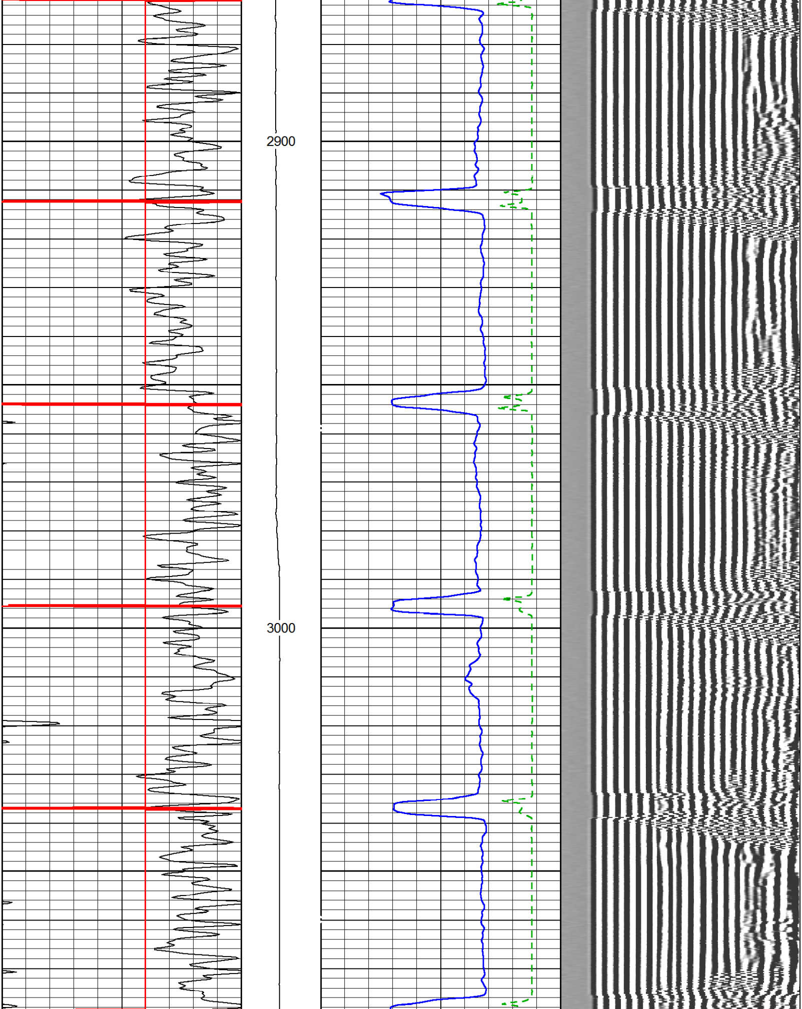


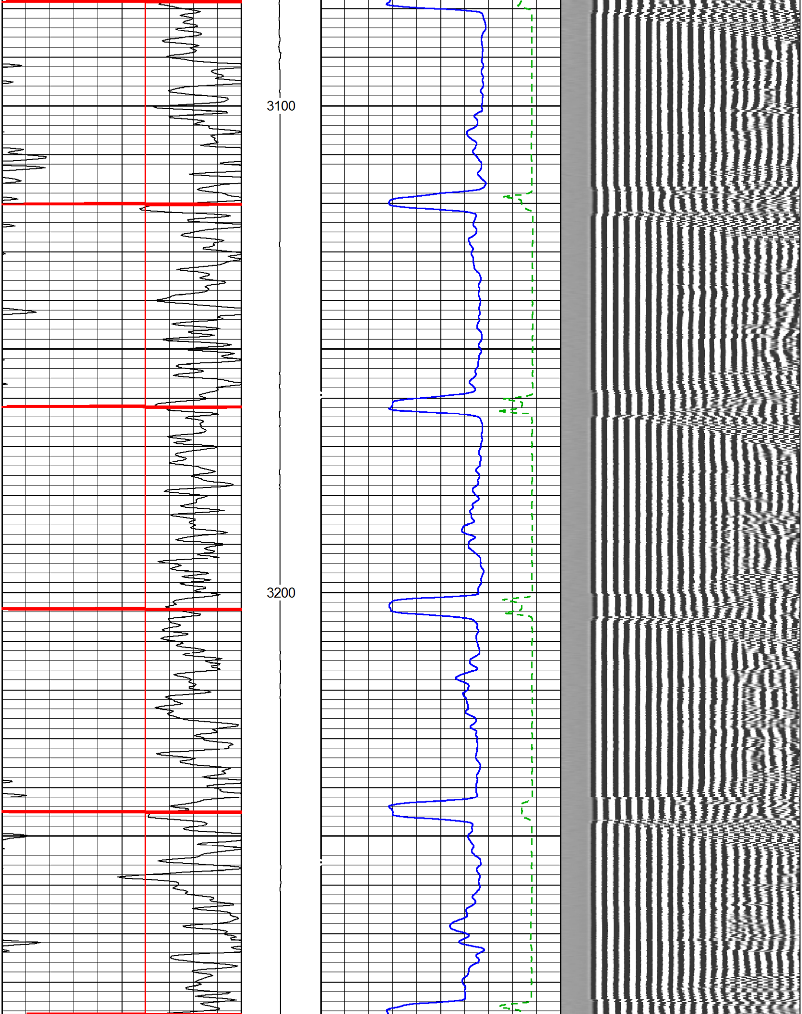


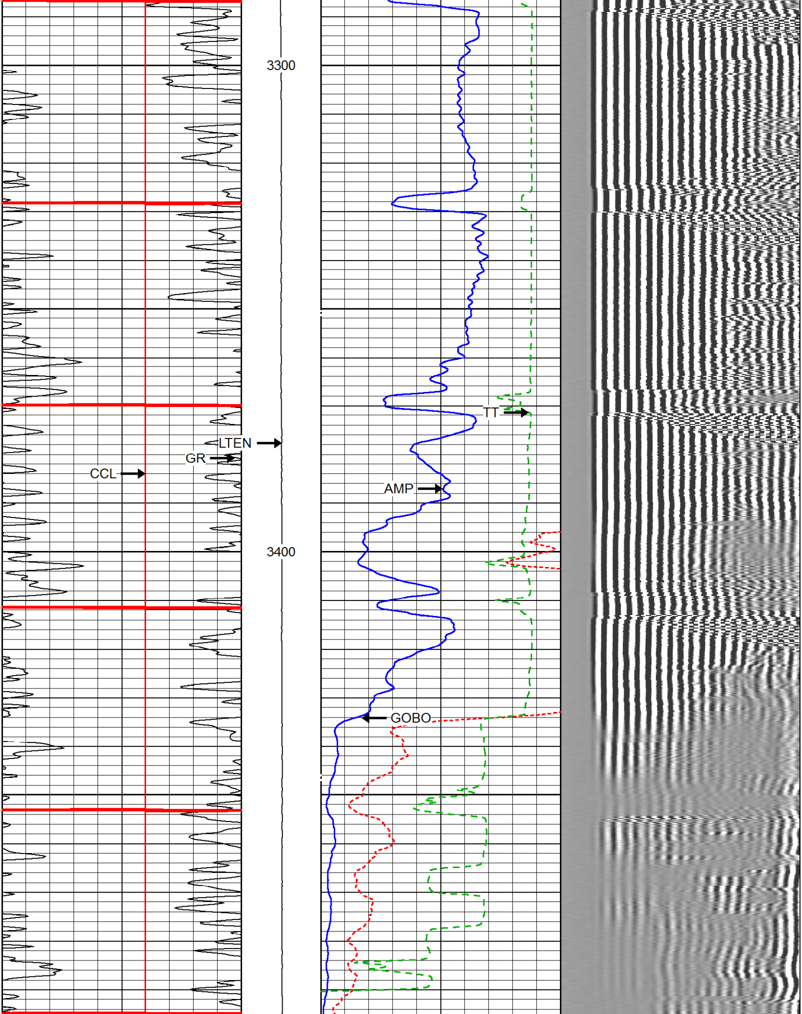


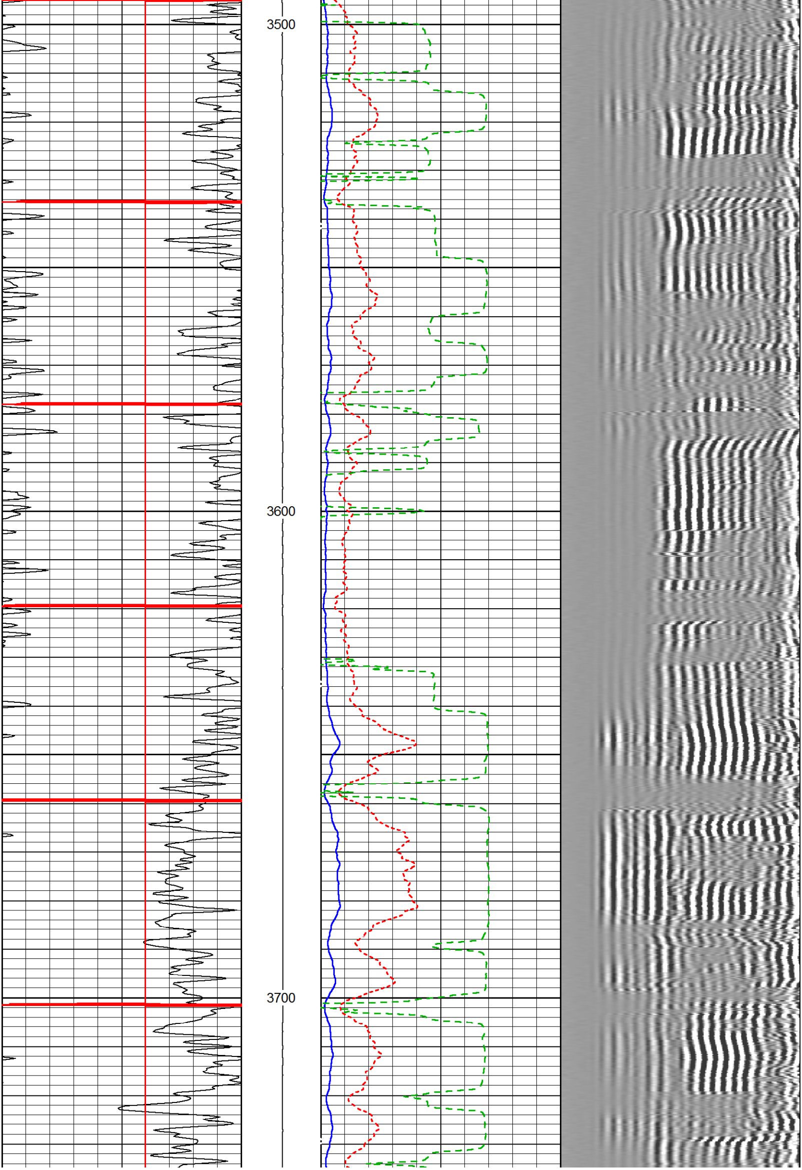


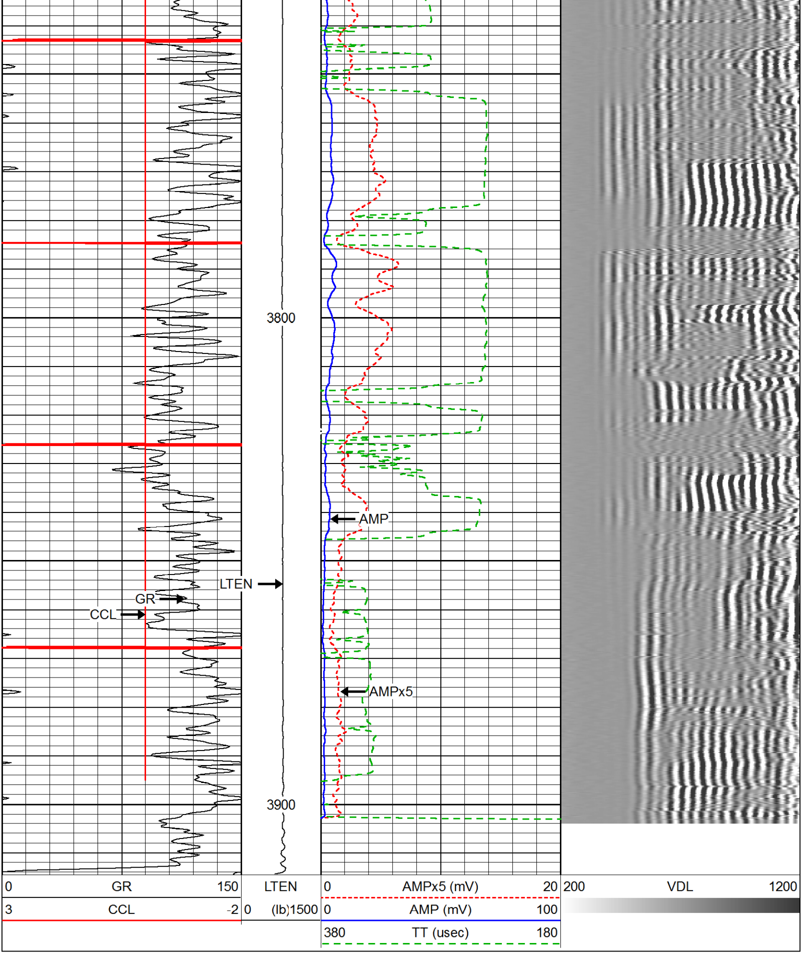








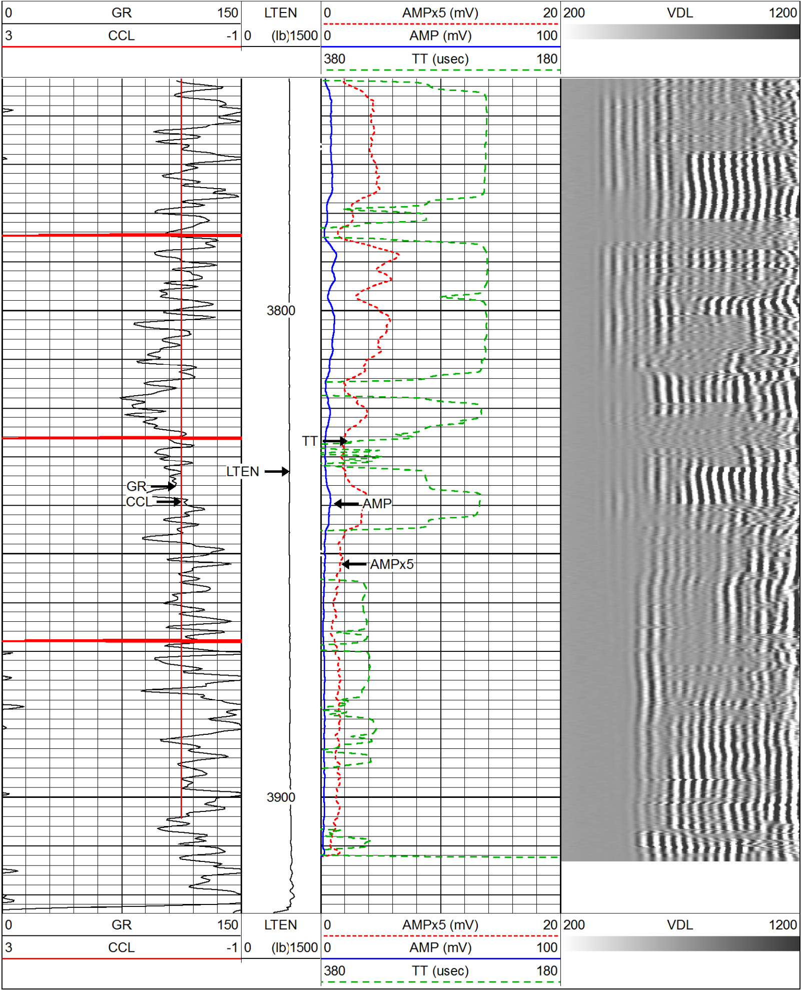




RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS
500 PSI on well

Database File: reynolds27-23x.db
Dataset Pathname: pass6.2
Presentation Format: rmws_dsc
Dataset Creation: Mon Mar 18 13:04:43 2019 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240



Log Variables

Database:C:\Warrior\Data\reynolds27-23x.db
Dataset: field/well/run1/pass7.7

Top - Bottom

PPT	CASEWGHT	MAXAMPL	MINAMPL	MINATTN	CASEOD	PERFS	TDEPTH
usec	lb/ft	mV	mV	db/ft	in		ft
0	11.6	0	1	0.8	4.5	0	0

BOTTEMP	BOREID
degF	in
100	7.875

Calibration Report

Database File:	reynolds27-23x.db
Dataset Pathname:	pass7.7
Dataset Creation:	Mon Mar 18 13:06:59 2019 by Calc SCH 120430

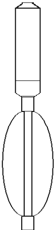
Gamma Ray Calibration Report

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

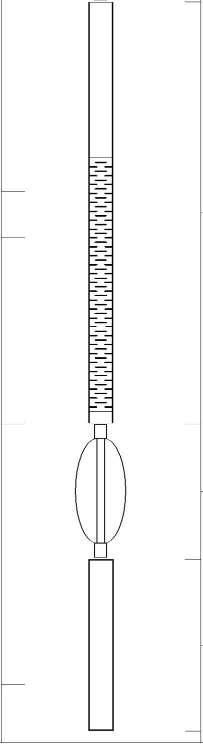
CBL Calibration Report

Serial Number:	TEKCO_8010	
Tool Model:	TEKCO	
Performed:	Mon Mar 18 10:49:46 2019	
Depth:	2354.592	ft
Casing Diameter:	4.500	in

	3' Spacing	5' Spacing	
Signal Zero:	1.000	1.000	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.032	-0.001	V
Reading in Free Pipe:	0.292	0.474	V
Gain:	212.929	168.773	
Offset:	-3.822	1.198	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.40		CCL-3.125_APPLIED (40-01NB) positive or negative voltage logging ccl	2.03	3.13	45.00
			TITAN_234 TITAN 2 3/4" BOWSPRING CENT	2.92	2.50	25.00

WVF3FT	11.60
WVF5FT	10.60
WVFSYNC	6.60
GR	1.00



CBLTEKCO-TEKCO (TEKCO_8010) Tekco234	9.08	2.75	50.00
TITAN_234 TITAN 2 3/4" BOWSPRING CENT	2.92	2.50	25.00
GR-TEKCO234 (TEKCO234_352) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: reynolds27-23x.db: field/well/run1/pass7.7
Total Length: 20.63 ft
Total Weight: 165.00 lb
O.D. 3.13 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	Anadarko
Well	Reynolds 27-23 X
Field	Wattenberg
County	Weld
State	Colorado