ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY/ CCL

Company	**CM Production Bond Claim**
Well	**Margaret Spaulding 15**
Field	**Lone Pine**
County	**Jackson**
State	**Colorado**

Location:

API # : 05-057-06112

SEC 28 TWP 9N RGE 81W

Other Services

Permanent Datum	gl	Elevation	8260'
Log Measured From	kb	Ft Above PD	8'
Drilling Measured From	kb		

Elevation
K.B. 8268'
D.F. 8266'
G.L. 8260'

Date	09/16/2021		
Run Number	one		
Depth Driller	2533'		
Present Depth Driller	2533'		
Depth Logger	2380'		
Bottom Logged Interval	2380'		
Top Log Interval	Surface		
Fluid Level	Surface		
Type Fluid	Water		
Max. Recorded Temp.	n/a		
Estimated Cement Top	See Log		
Equipment Number	219		
Location	Johnstown, Co.		
Recorded By	G. Torres		
Witnessed By	Dusty Daniels		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				8 5/8"	24#	surface	184'
				4.5	9.5#	surface	2533'

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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.

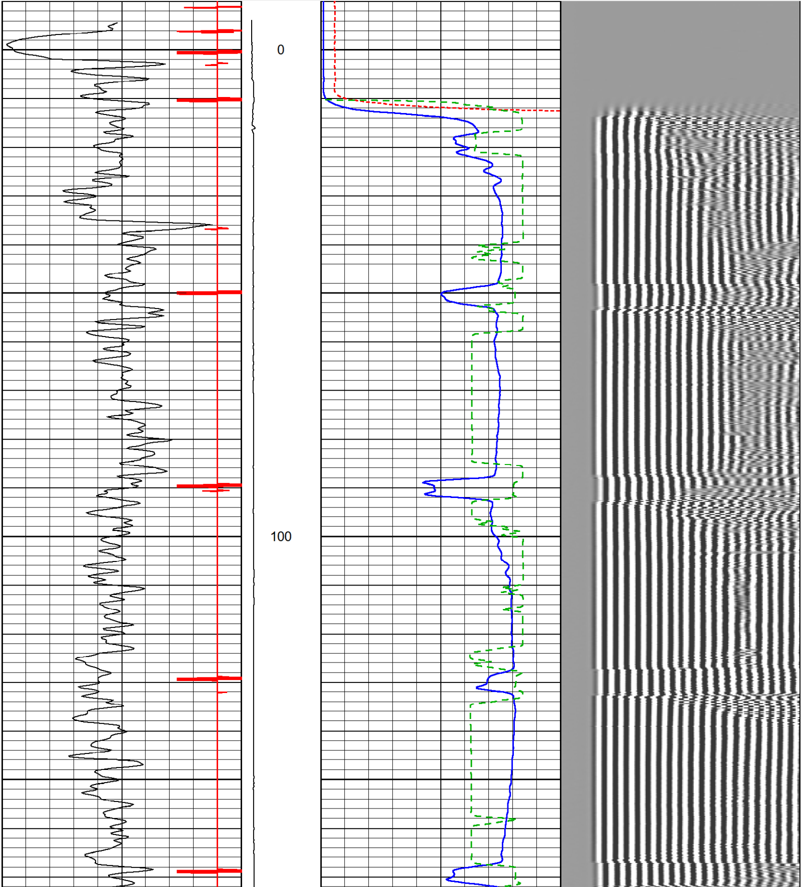
WARRIOR 7.0 SOFTWARE - Comments

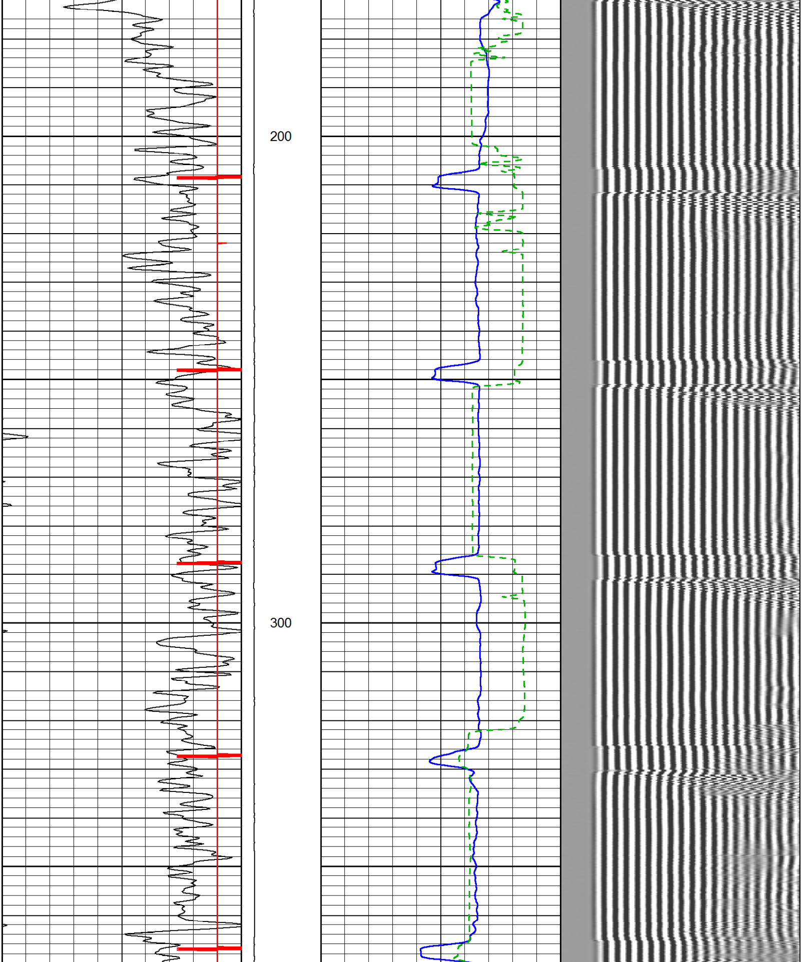
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

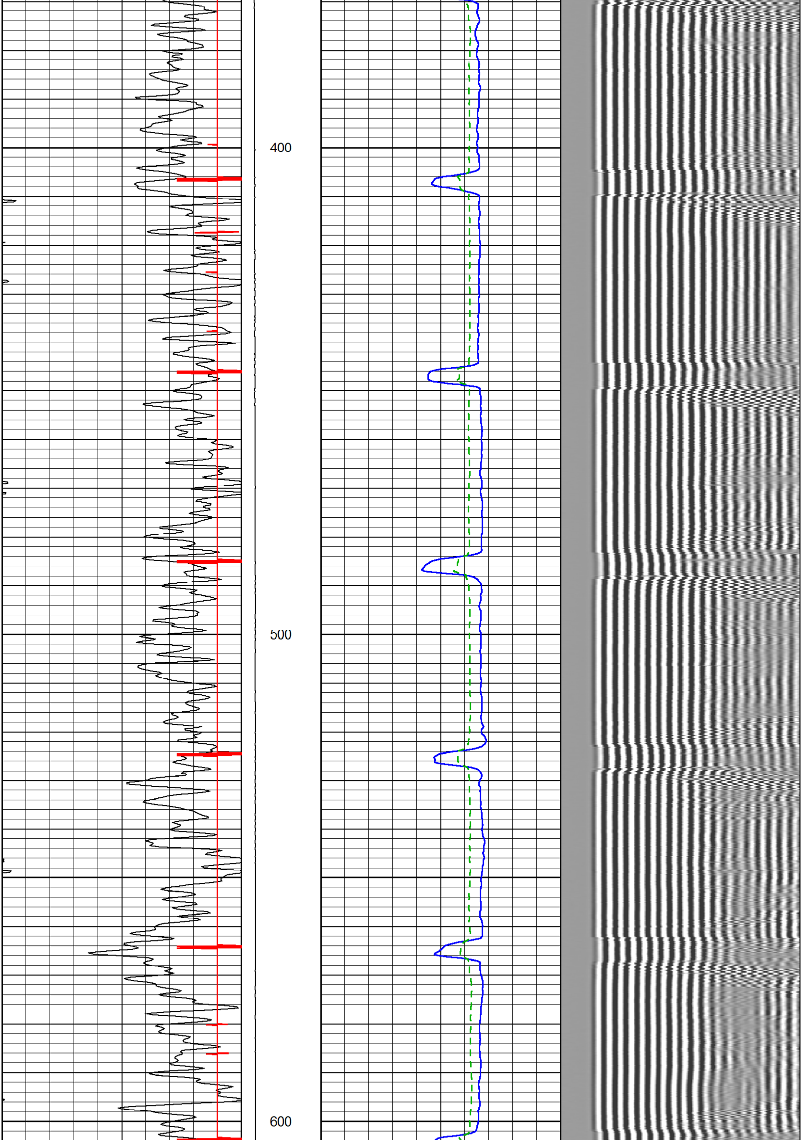
Main Pass

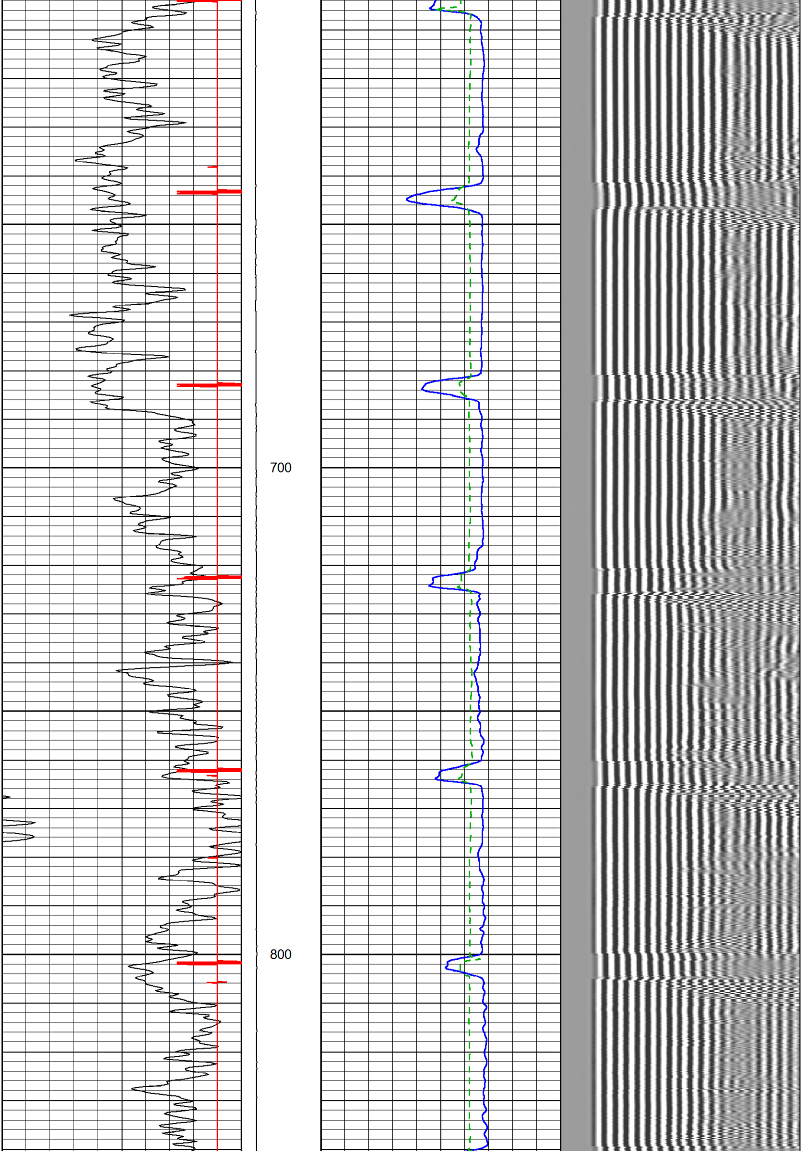
Database File:	09_16_2021_duco_margaret spaulding 15.db
Dataset Pathname:	pass9.1
Presentation Format:	rmws_dsc
Dataset Creation:	Fri Sep 17 08:28:45 2021 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:240

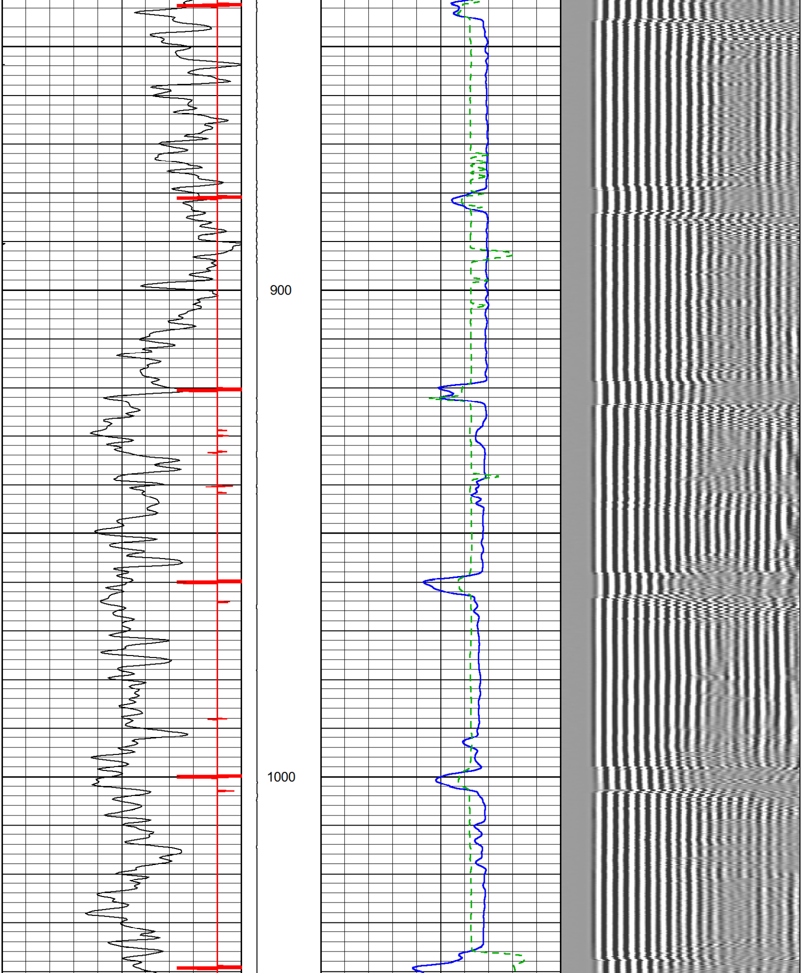
0 GR 150	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
27 CCL -3	0 (lb)1500	0 AMP (mV) 100	
		380 TT (usec) 180	

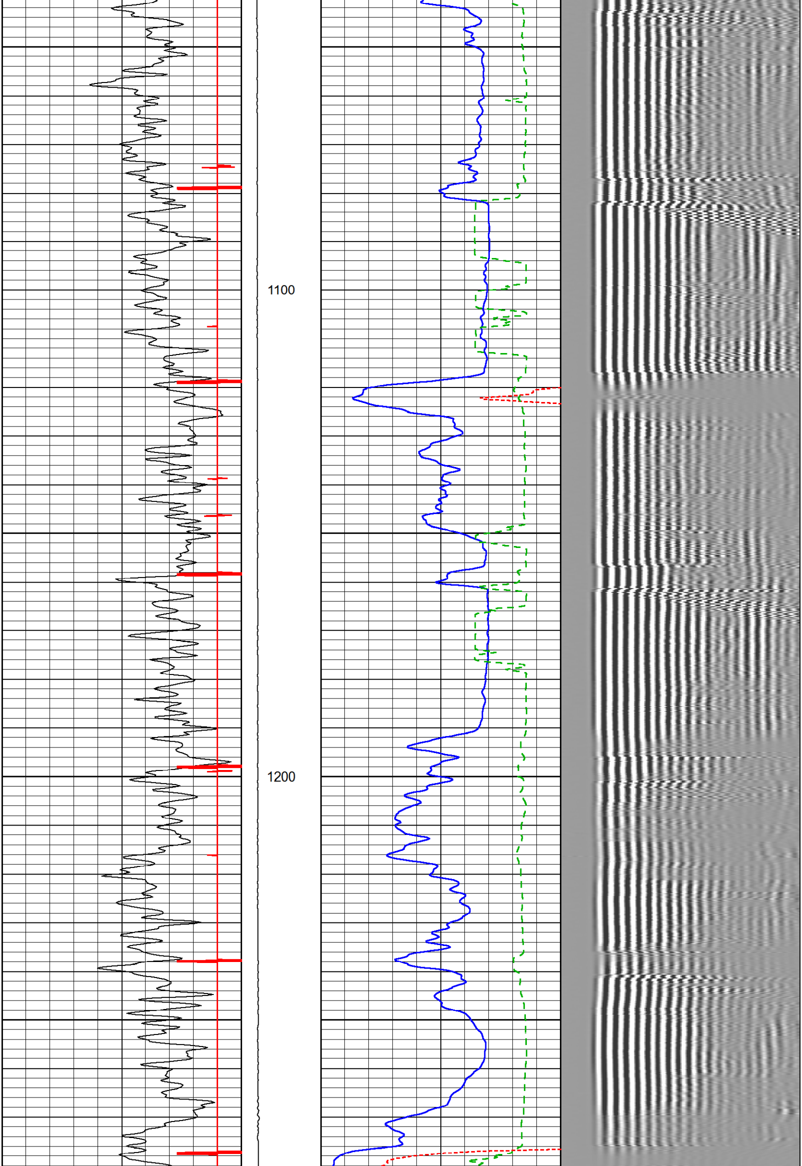


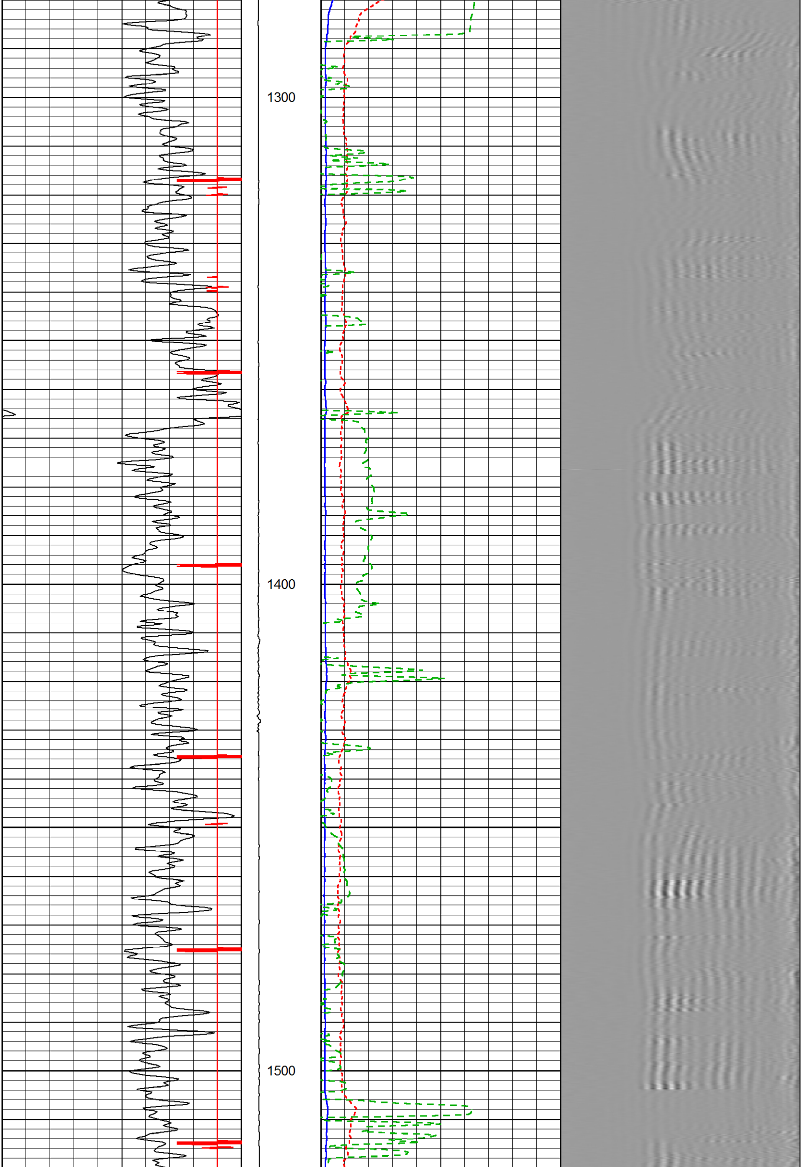


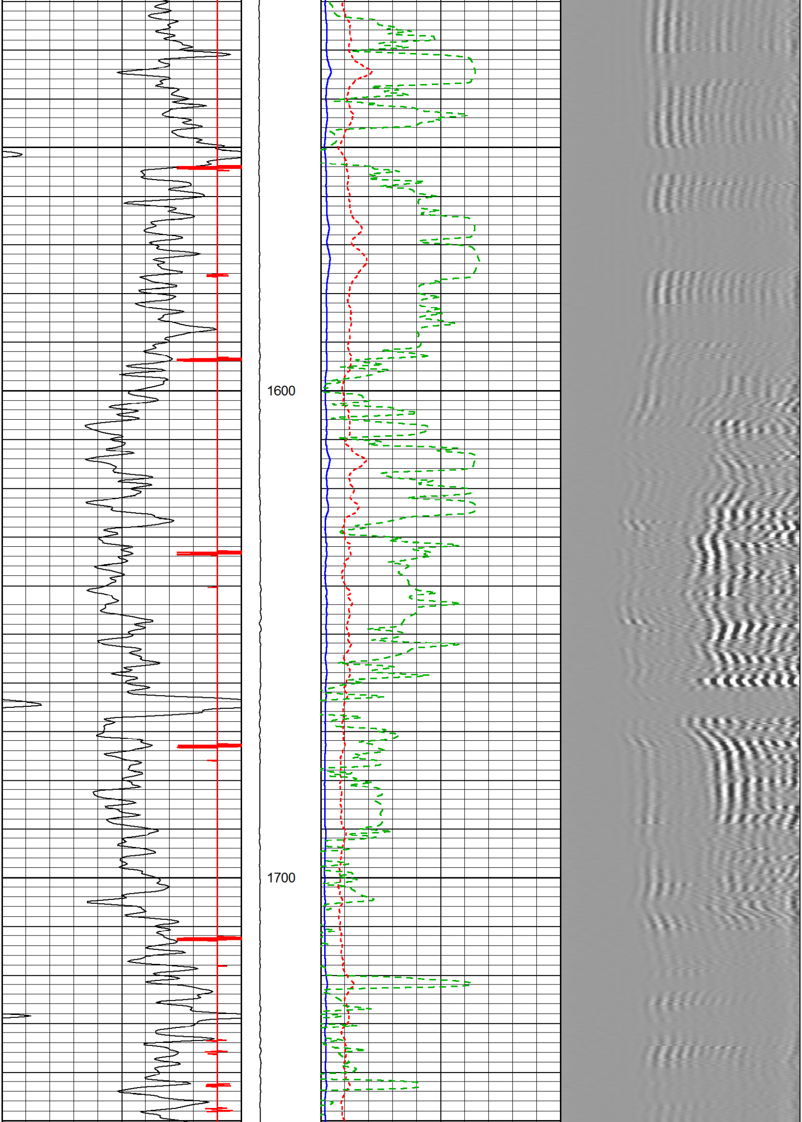


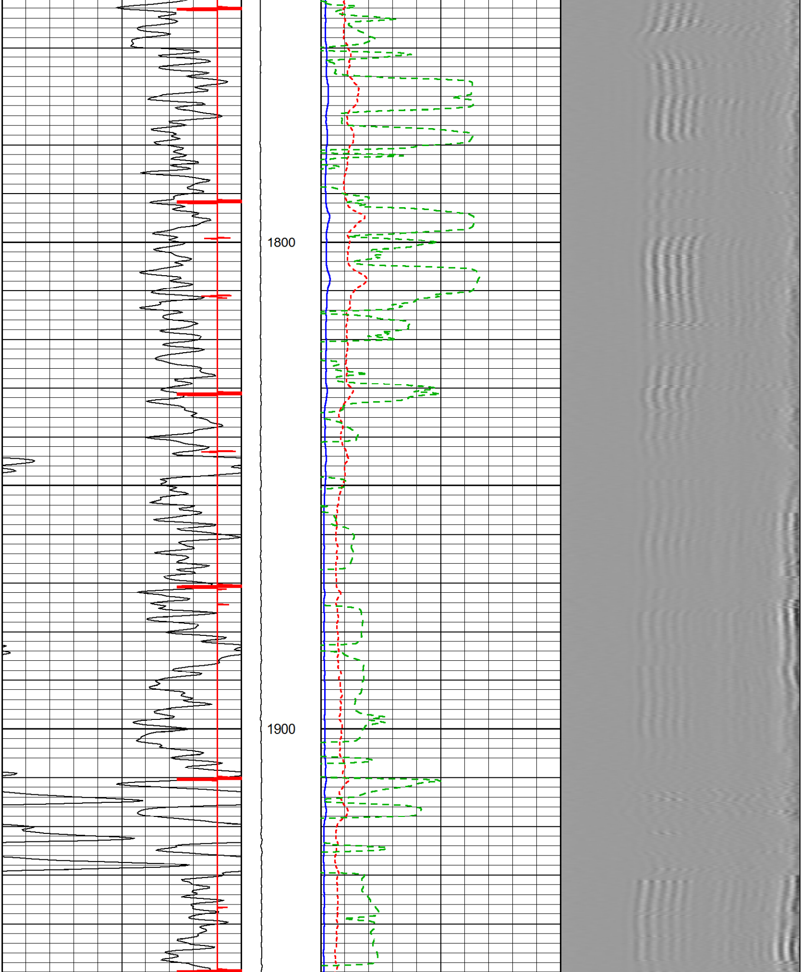


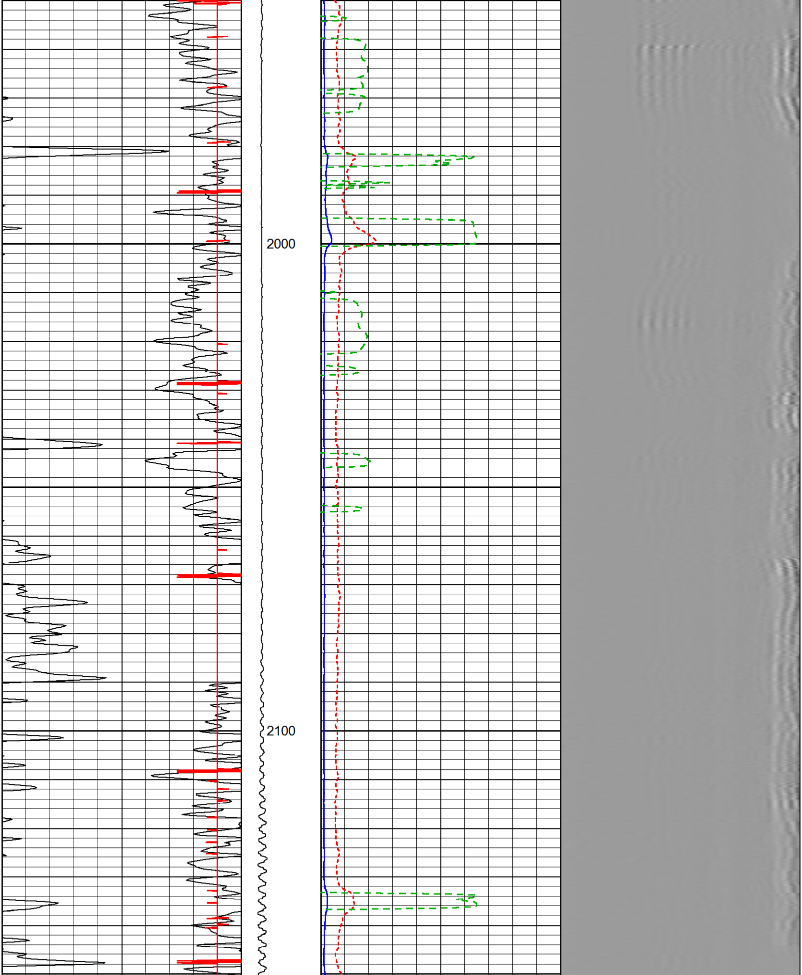


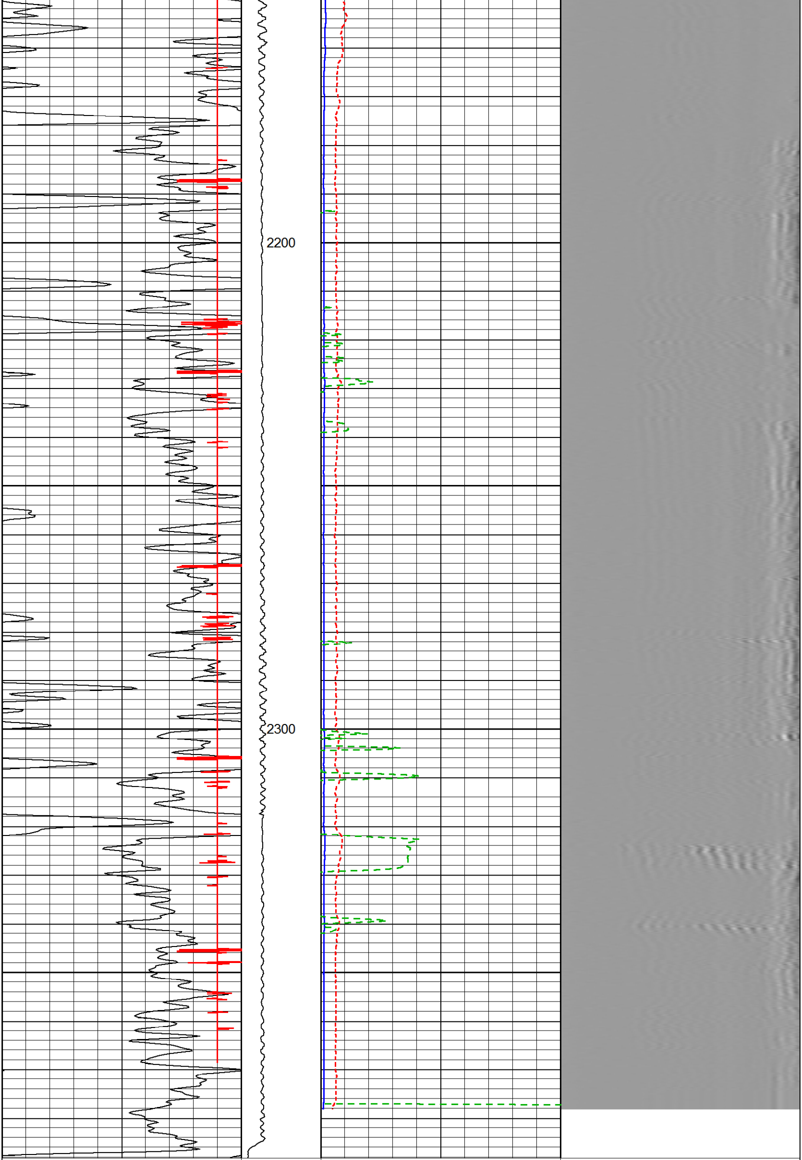












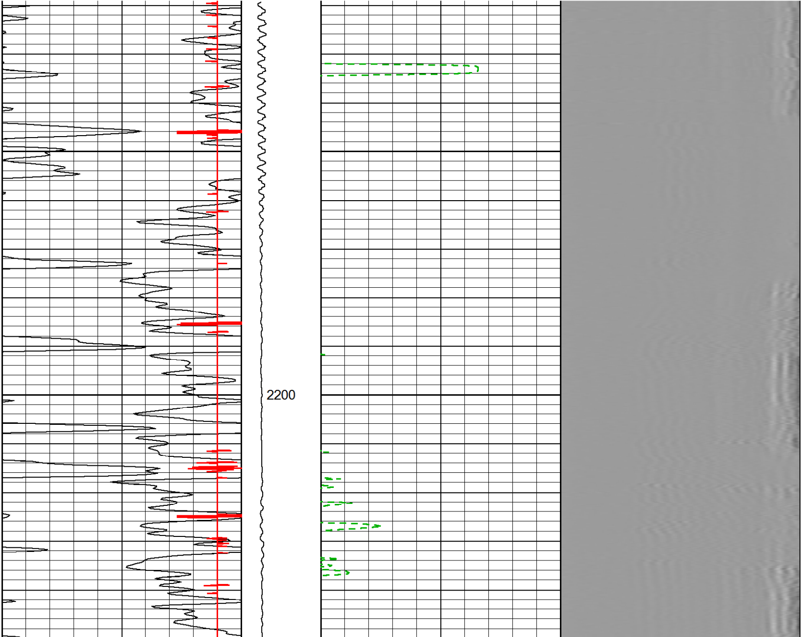
0 GR 150	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
27 CCL -3	0 (lb) 1500	0 AMP (mV) 100	
		380 TT (usec) 180	

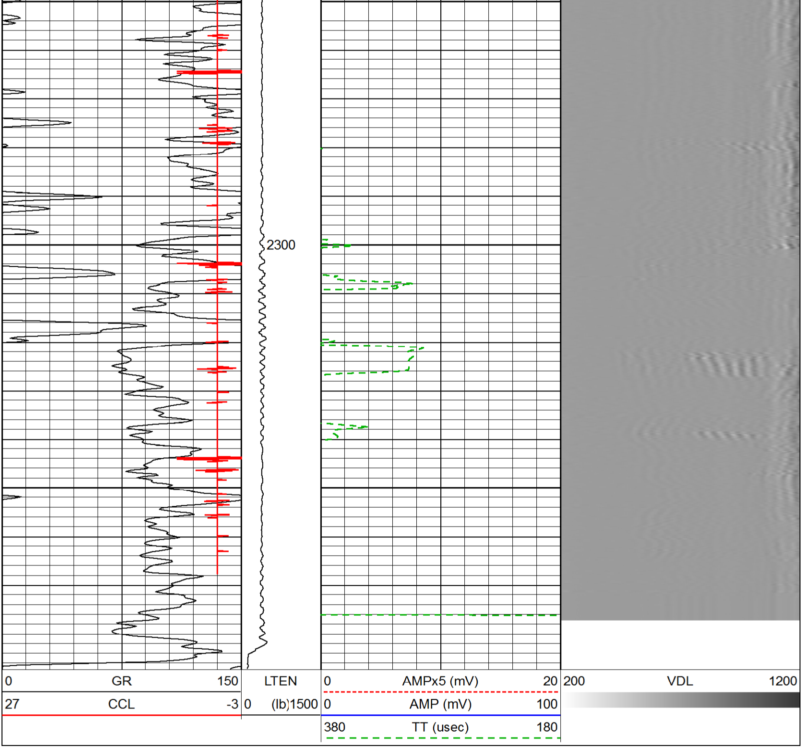
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Repeat Pass

Database File: 09_16_2021_duco_margaret spaulding 15.db
Dataset Pathname: pass8
Presentation Format: rmws_dsc
Dataset Creation: Fri Sep 17 07:54:37 2021 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

0 GR 150	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
27 CCL -3	0 (lb) 1500	0 AMP (mV) 100	
		380 TT (usec) 180	





Log Variables

Database:C:\Warrior\Data\09_16_2021_duco_margaret spaulding 15.db
Dataset: field/well/run1/pass9.1

Top - Bottom

PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	CASEOD in	PERFS	TDEPTH ft
0	9.5	81.2	1	0.8	4.5	0	2380

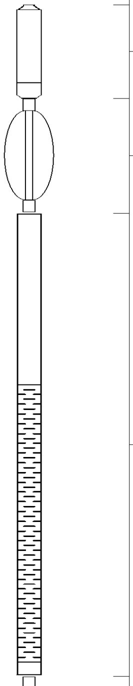
BOTTEMP degF	BOREID in
0	7.875

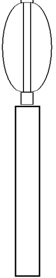
Calibration Report

Database File:	09_16_2021_duco_margaret spaulding 15.db
Dataset Pathname:	pass9.1
Dataset Creation:	Fri Sep 17 08:28:45 2021 by Calc SCH 120430

CBL Calibration Report

Serial Number:	TEKCO_8009		
Tool Model:	TEKCO		
Performed:	Fri Sep 17 08:28:14 2021		
Depth:	488.146	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:	-0.000	-0.003	V
Reading in Free Pipe:	1.419	1.273	V
Gain:	56.512	62.858	
Offset:	1.000	1.162	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.48		CCL-3.125_APPLIED (40-01NB) positive or negative voltage logging ccl	2.03	3.13	45.00
			Applied/GO Applied/GO Adjustable Bowsprings	2.50	3.00	33.00
WVF3FT	11.19		CBLTEKCO-TEKCO (TEKCO_8009) DEMO TOOL - DEMINSIONS INVALID	10.00	3.25	50.00
WVF5FT	10.19					
WVFSYNC	6.19					



		Applied/GO Applied/GO Adjustable Bowsprings	2.50	3.00	33.00
GR	1.00	GR-TEKCO234 (TEKCO234_314) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 09_16_2021_duco_margaret spaulding 15.db: field/well/run1/pass9.1
Total Length: 20.71 ft
Total Weight: 181.00 lb
O.D. 3.25 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	CM Production Bond Claim
Well	Margaret Spaulding 15
Field	Lone Pine
County	Jackson
State	Colorado