Company	EXTRACTION
Well	STATE OF COLORADO 1S-66-36-1609BH
Field	THIRD CREEK
County	ADAMS
State	COLORADO

GAMMA RAY CCL
CEMENT BOND SECTOR VDL

Company	EXTRACTION		
Well	STATE OF COLORADO 1S-66-36-1609BH		
Field	THIRD CREEK		
County	ADAMS	State	COLORADO

Location: API # : 05-001-09781

1298' FNL & 299' FWL

SEC 36 TWP 1S RGE 66W

Other Services

Permanent Datum	GL	Elevation	5180
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 5203
D.F. 5202
G.L. 5180

Date	MARCH 18, 2020		
Run Number	ONE		
Depth Driller	12118		
Depth Logger	2025		
Bottom Logged Interval	2025		
Top Log Interval	SURFACE		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top			
Time Well Ready	ROA		
Time Logger on Bottom	17:00		
Equipment Number	802		
Location	KERSEY, CO		
Recorded By	GREG NOLAN		
Witnessed By	BERNIE CHAVEZ		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8	36#	SURFACE	1490
Prot. String				
Production String	7	26#	SURFACE	7900
Liner	4-1/2	11.6	7200	12118

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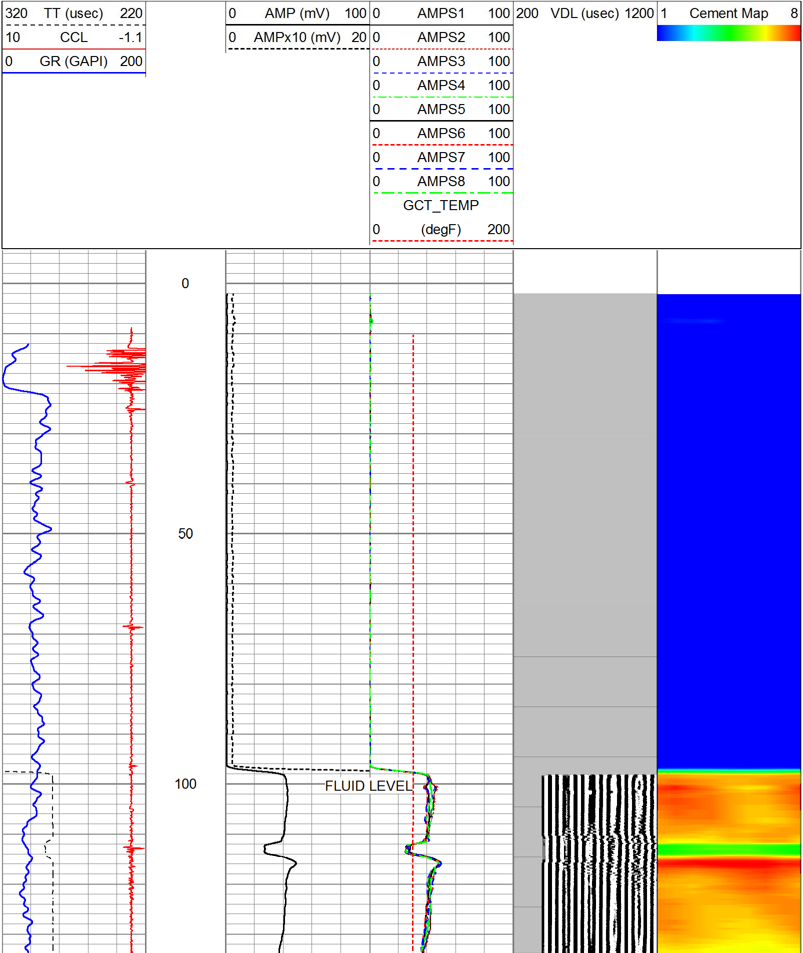
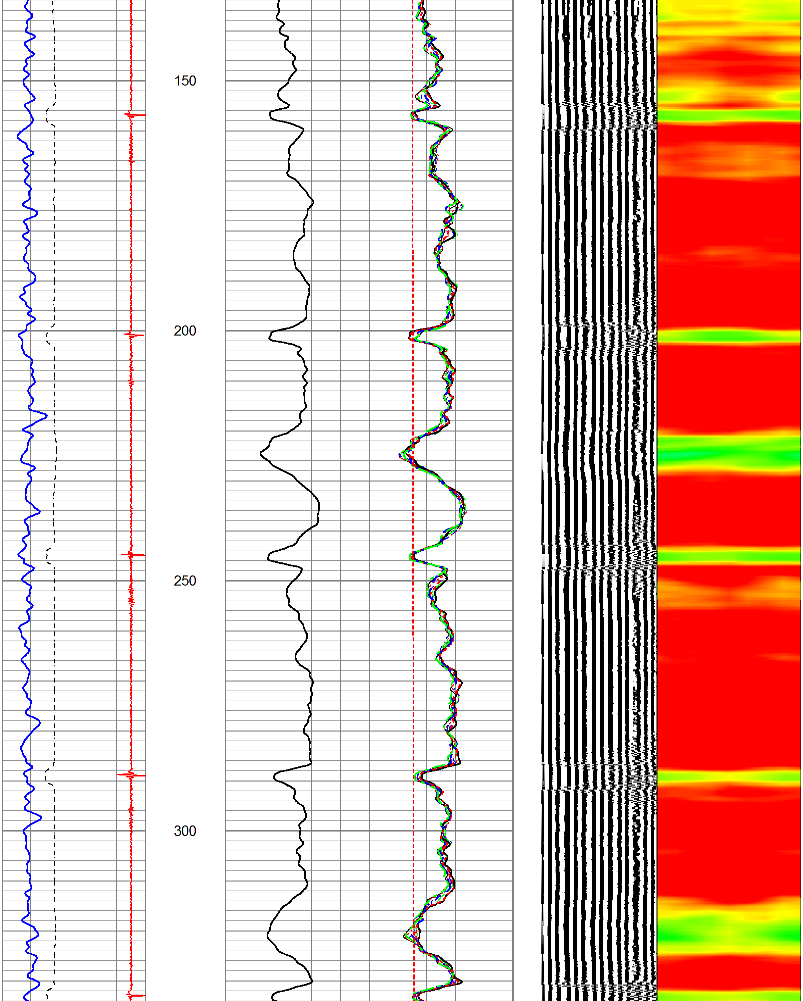
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

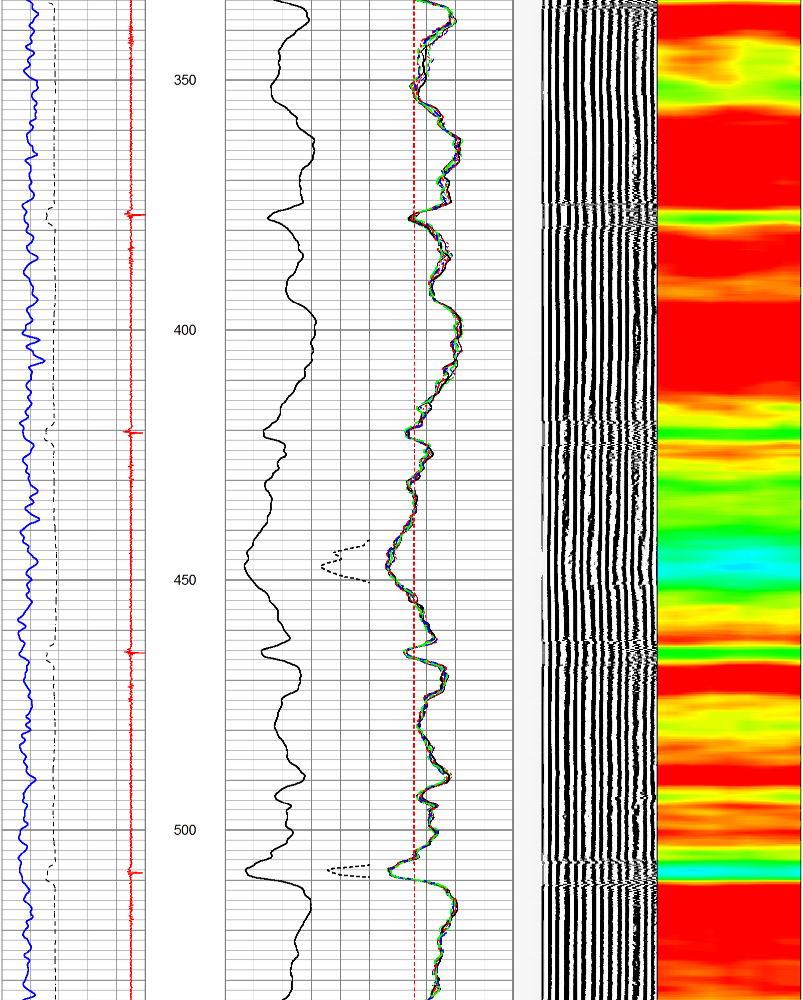
Comments

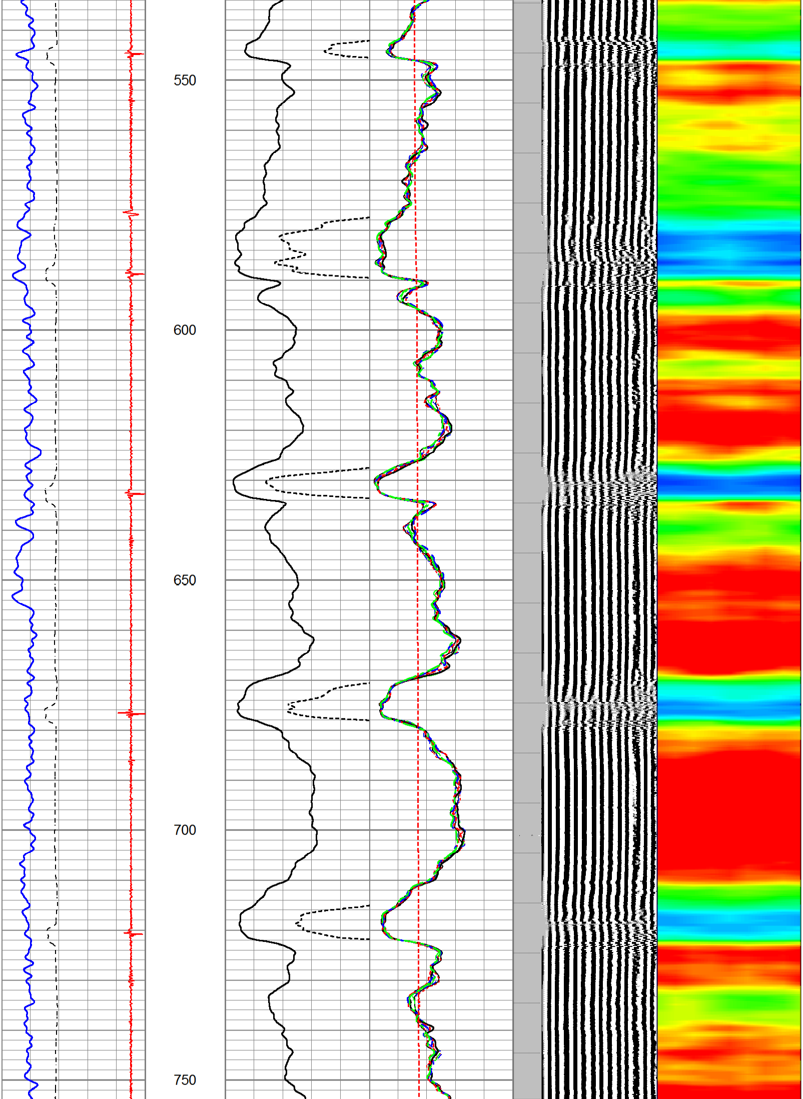
THANK YOU FOR CHOOSING SUREFIRE WIRELINE WEST!!!
LOG CORRELATED TO PSI BOND LOG DATED 6 MAY 2014

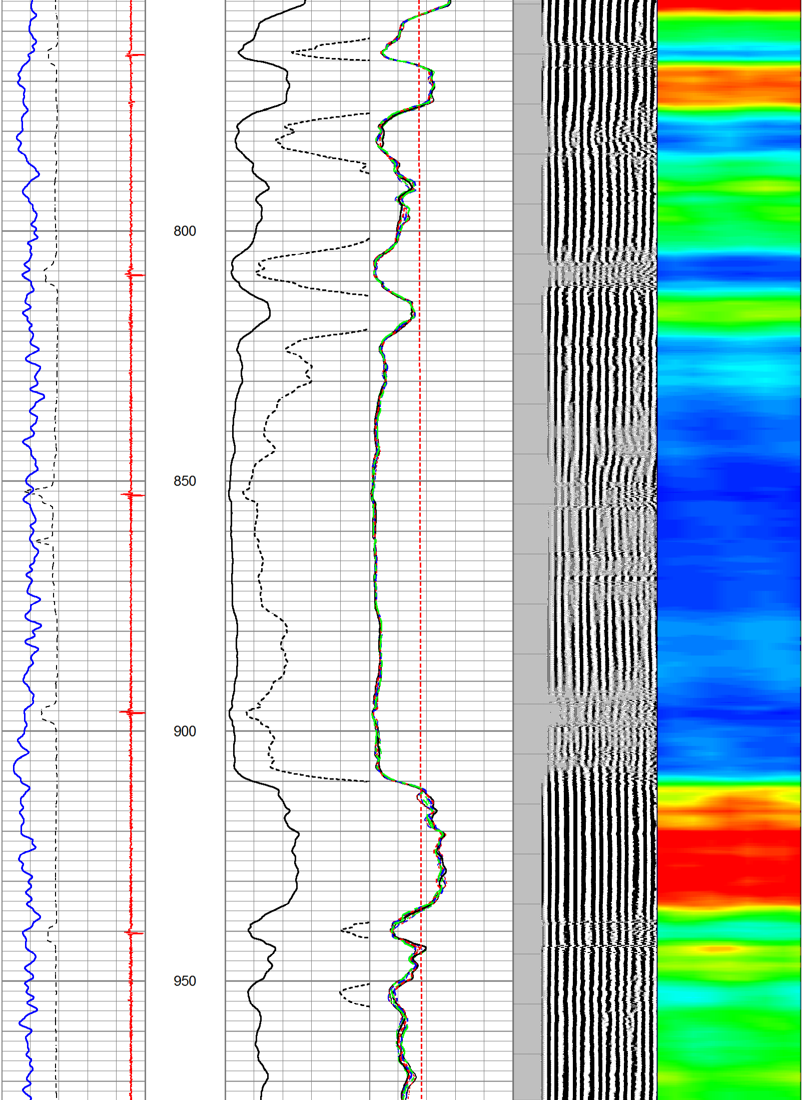
Database File	cbl extraction state of co o1s-66-36-1609bh.db
Dataset Pathname	pass5
Presentation Format	prb_rbt8_mod
Dataset Creation	Wed Mar 18 17:21:31 2020
Charted by	Depth in Feet scaled 1:240

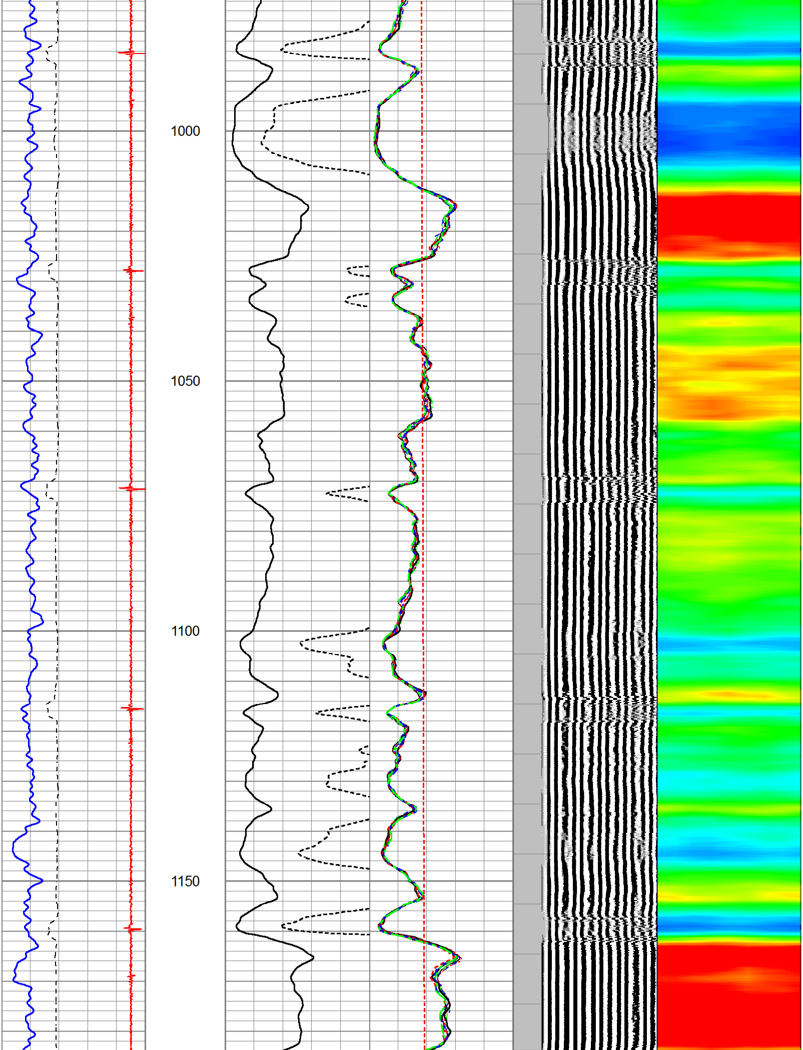


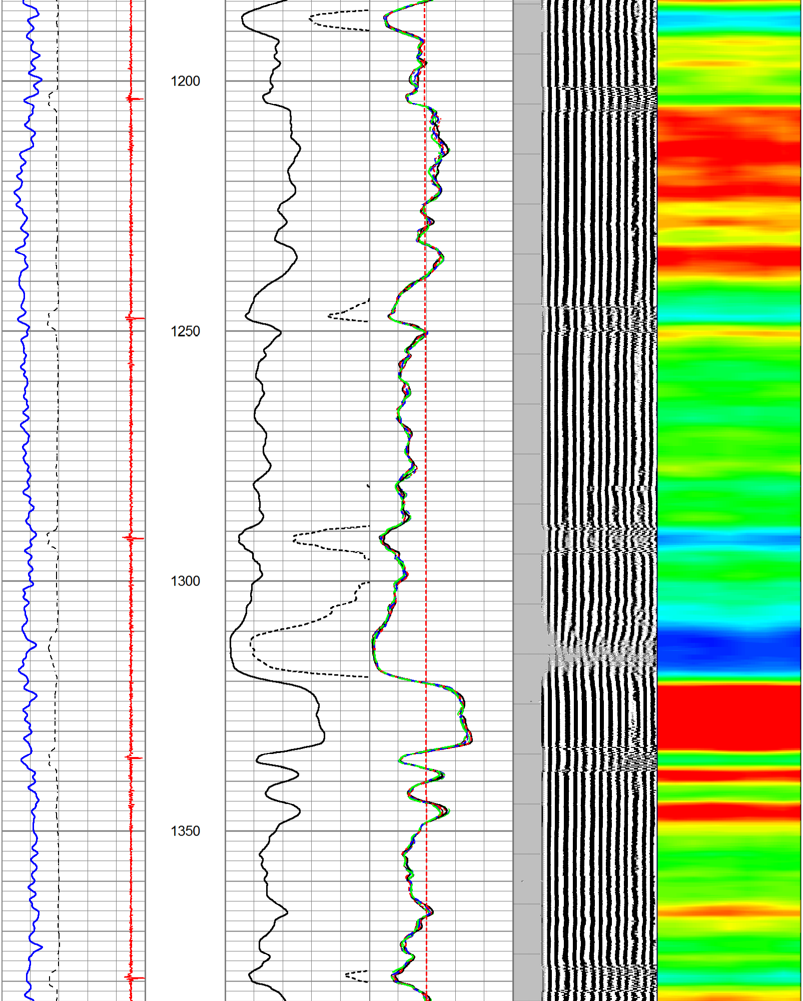


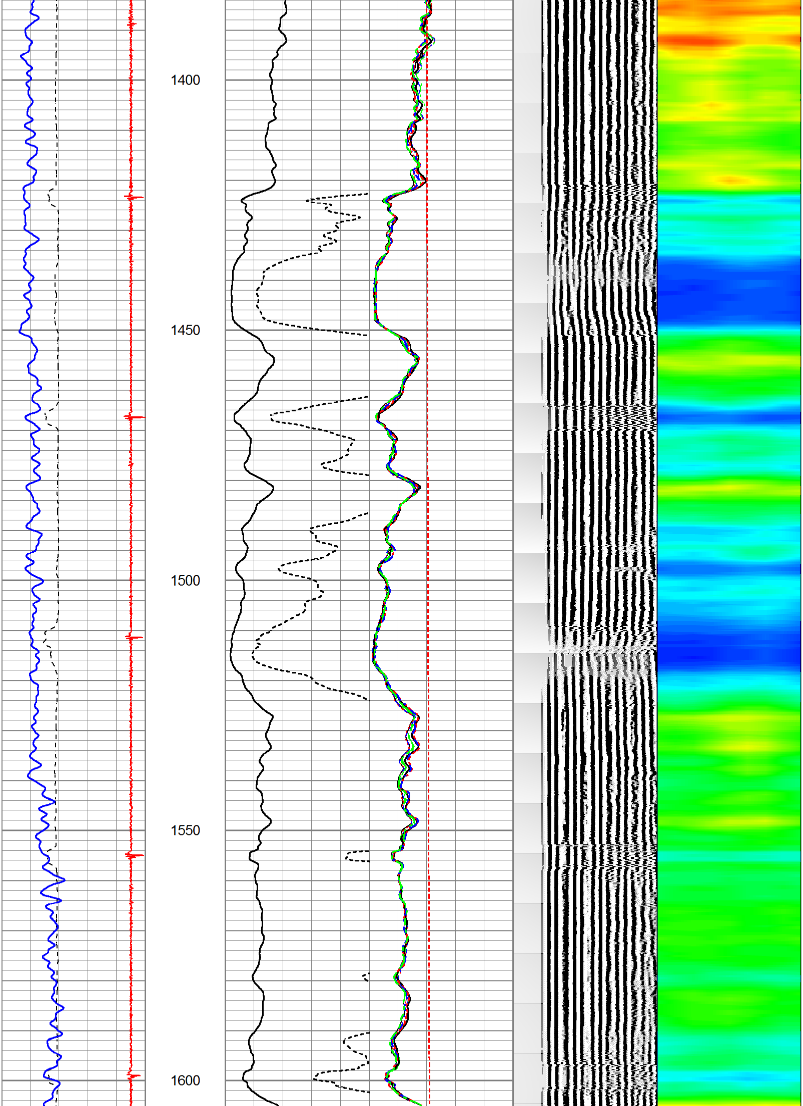


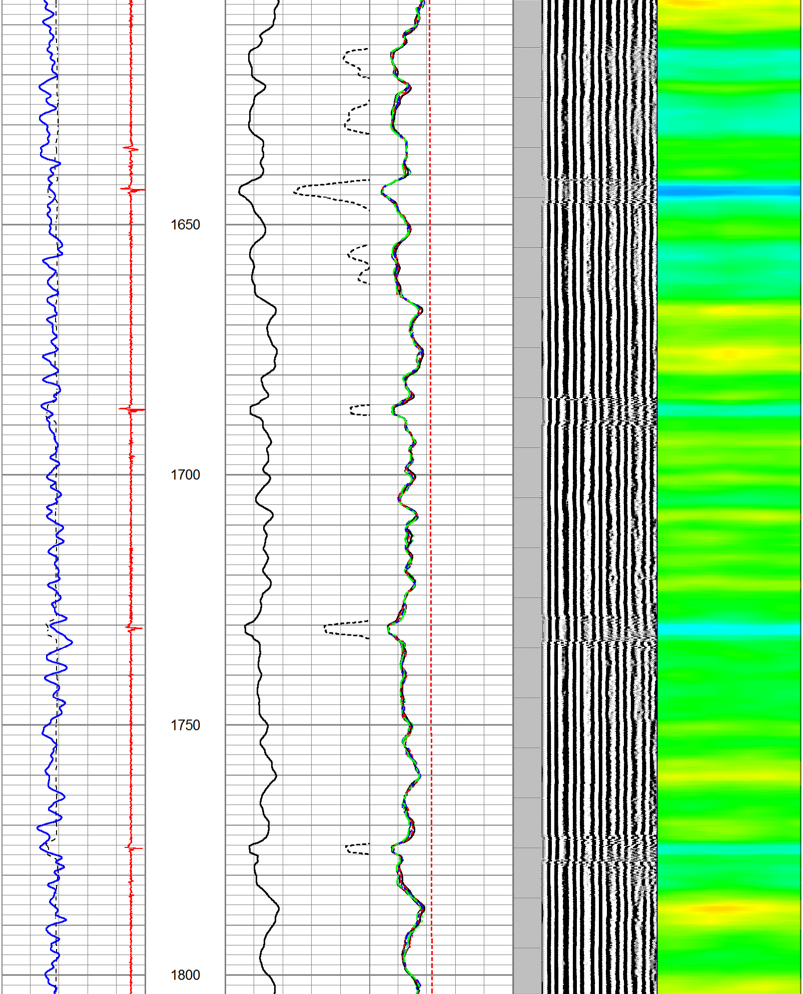


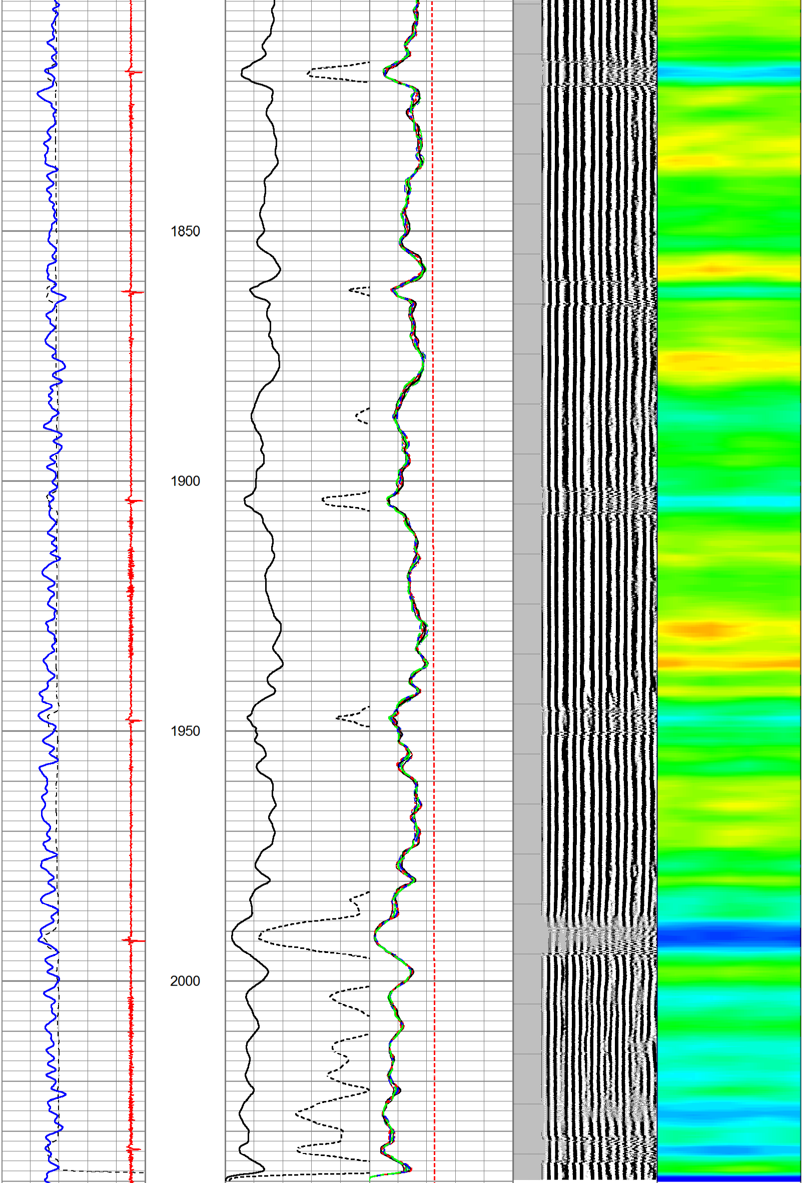


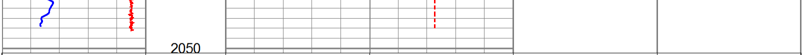












320 TT (usec) 220	0 AMP (mV) 100	0 AMPS1 100	200 VDL (usec) 1200	1 Cement Map 8
10 CCL -1.1	0 AMPx10 (mV) 20	0 AMPS2 100		
0 GR (GAPI) 200		0 AMPS3 100		
		0 AMPS4 100		
		0 AMPS5 100		
		0 AMPS6 100		
		0 AMPS7 100		
		0 AMPS8 100		
		GCT_TEMP 0 (degF) 200		

Calibration Report

Database File	cbl extraction state of co o1s-66-36-1609bh.db
Dataset Pathname	pass5
Dataset Creation	Wed Mar 18 17:21:31 2020

Gamma Ray Calibration Report

Serial Number:	FW1905-098	
Tool Model:	GCT275-0000	
Performed:	Tue Mar 03 11:08:44 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6800	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-055	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	413.742	ft

Master Calibration, performed Wed Mar 18 17:13:16 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.005	1.502	0.800	62.165	40.994	0.602
CAL	0.005	1.846				
5'	0.005	1.491	0.800	62.165	41.293	0.602
SUM						
S1	0.005	1.416	0.000	62.165	44.039	-0.211
S2	0.005	1.308	0.000	62.165	47.685	-0.229
S3	0.005	1.285	0.000	62.165	48.566	-0.234
S4	0.005	1.334	0.000	62.165	46.769	-0.224
S5	0.005	1.447	0.000	62.165	43.114	-0.209
S6	0.005	1.632	0.000	62.165	38.201	-0.185
S7	0.005	1.682	0.000	62.165	37.057	-0.179
S8	0.005	1.602	0.000	62.165	38.911	-0.188

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.005	1.846	1.000	0.000

Air Zero Calibration, performed Wed Mar 18 17:00:33 2020:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000