RADIAL BOND
GAMMA RAY
COLLAR LOG

Company	BONANZA CREEK OPERATING
Well	STATE ANTELOPE C13-W43-2HN
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA

Company BONANZA CREEK OPERATING
Well STATE ANTELOPE C13-W43-2HN
Field WATTENBERG
County WELD
State COLORADO Country USA

Location: API #: 05-123-51722
SWNW
SEC 2 TWP 5N RGE 62W

Other Services

Permanent Datum GROUND LEVEL Elevation 4646
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4671
D.F.
G.L. 4646

Date	22-NOV-2022
Run Number	ONE
Depth Driller	11418
Depth Logger	6754
Bottom Logged Interval	6750
Top Log Interval	SURFACE
Open Hole Size	8 1/2
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	223
Estimated Cement Top	SURFACE
Time Well Ready	ROA
Time Logger on Bottom	1045
Equipment Number	803
Location	KERSEY
Recorded By	JIM McKIE
Witnessed By	MR. FRANK KINNEY

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	1500
Prot. String				
Production String	5 1/2	20	SURFACE	TOTAL DEPTH
Liner				

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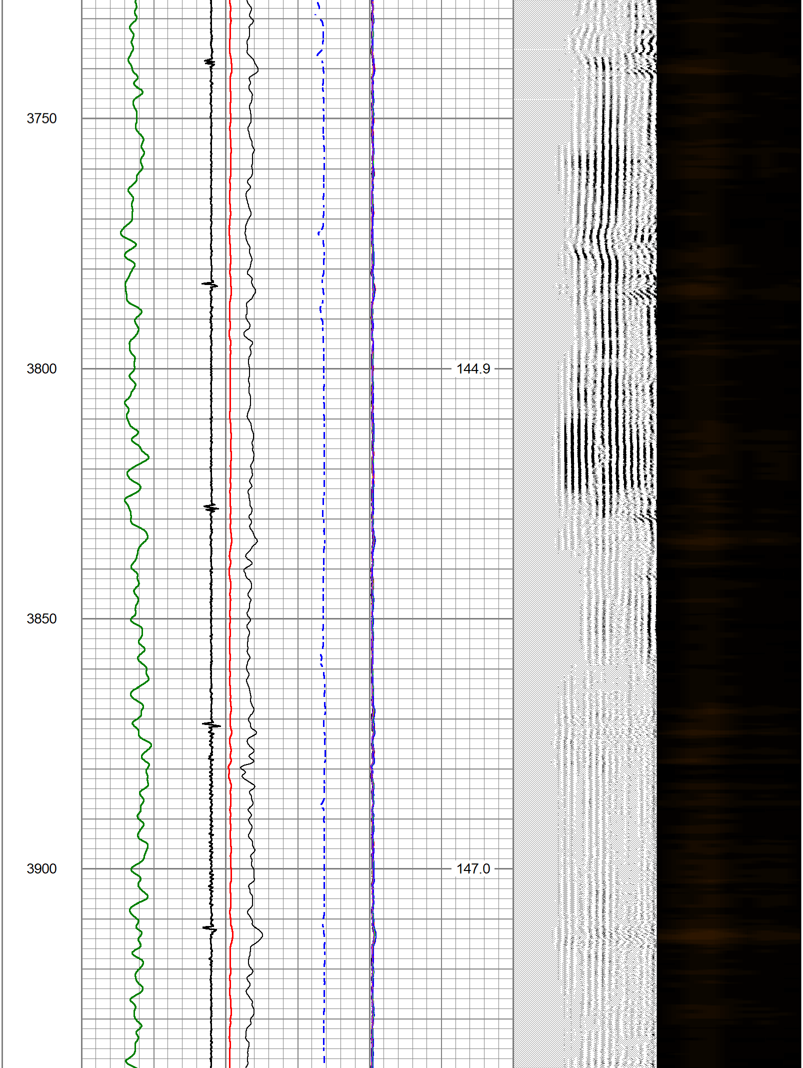
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

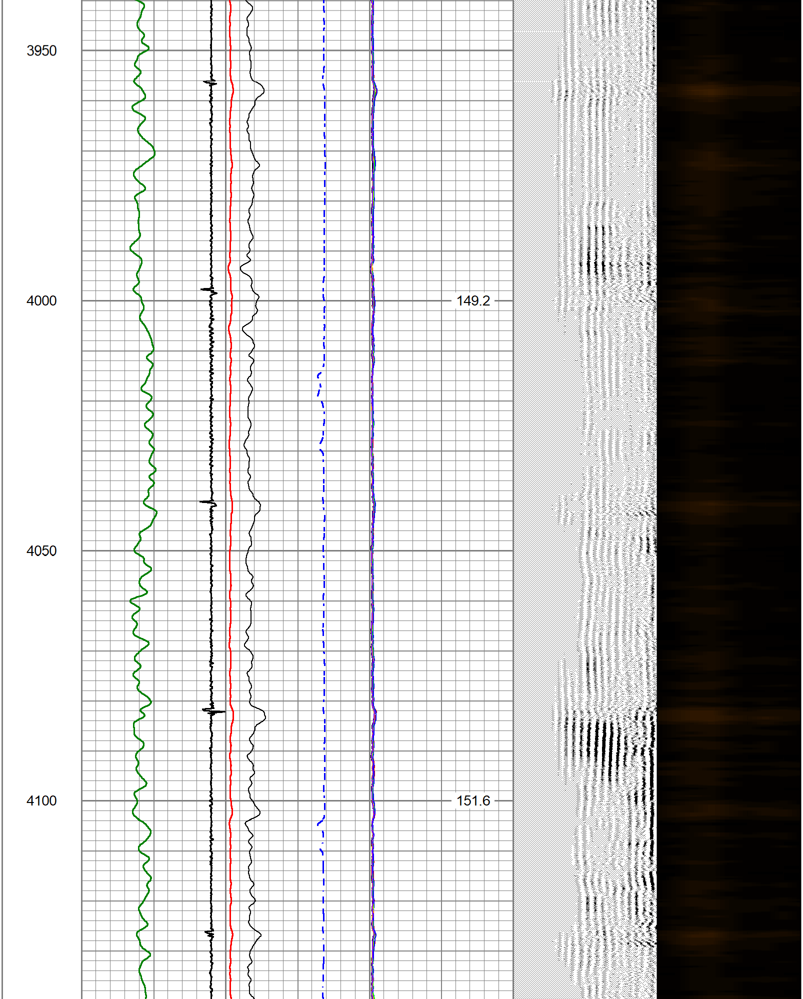
Comments

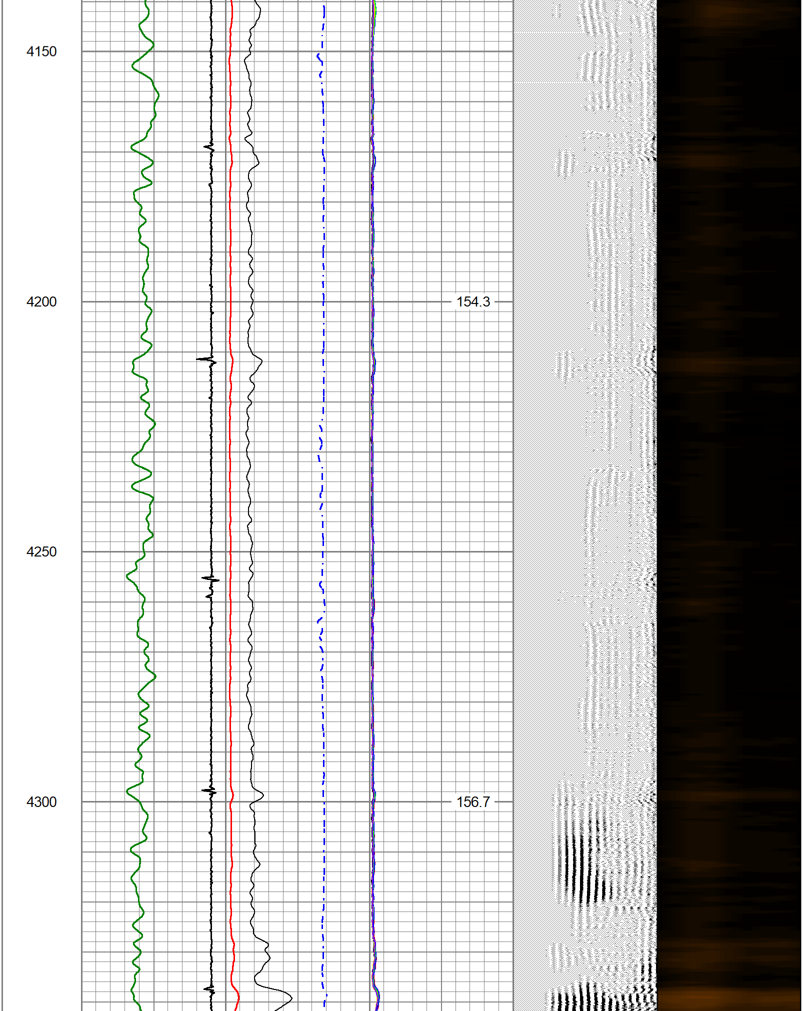
LOG RECORDED USING 25' KB

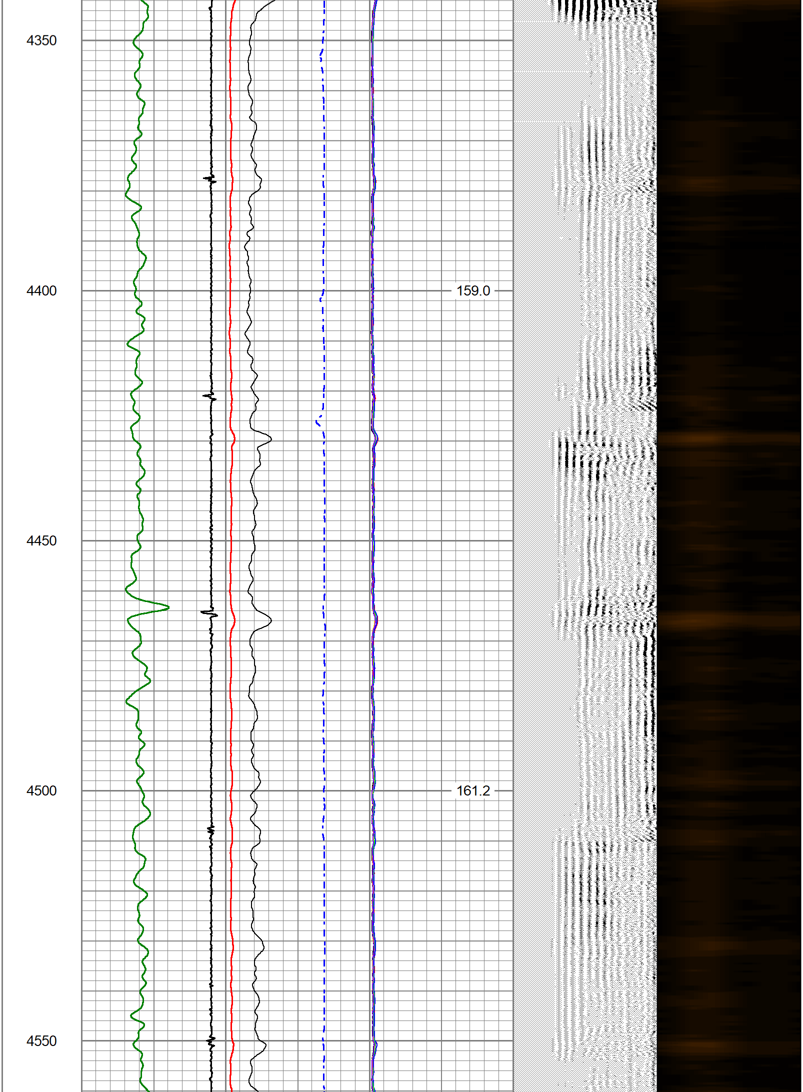
LOCATION:
N-0000000X000-S
X=STATE ANTELOPE C13-W43-2N

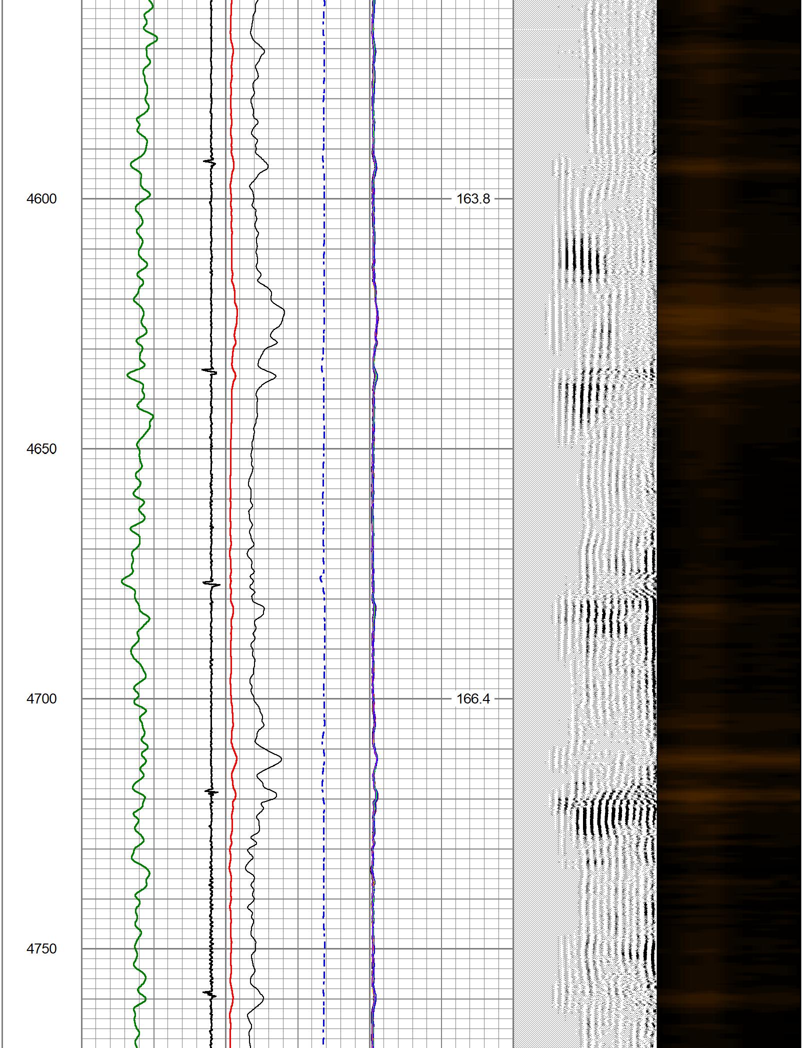
Database File	civitas state antelope c13-w43-2hn.db
Dataset Pathname	pass3
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Tue Nov 22 11:02:38 2022
Charted by	Depth in Feet scaled 1:240

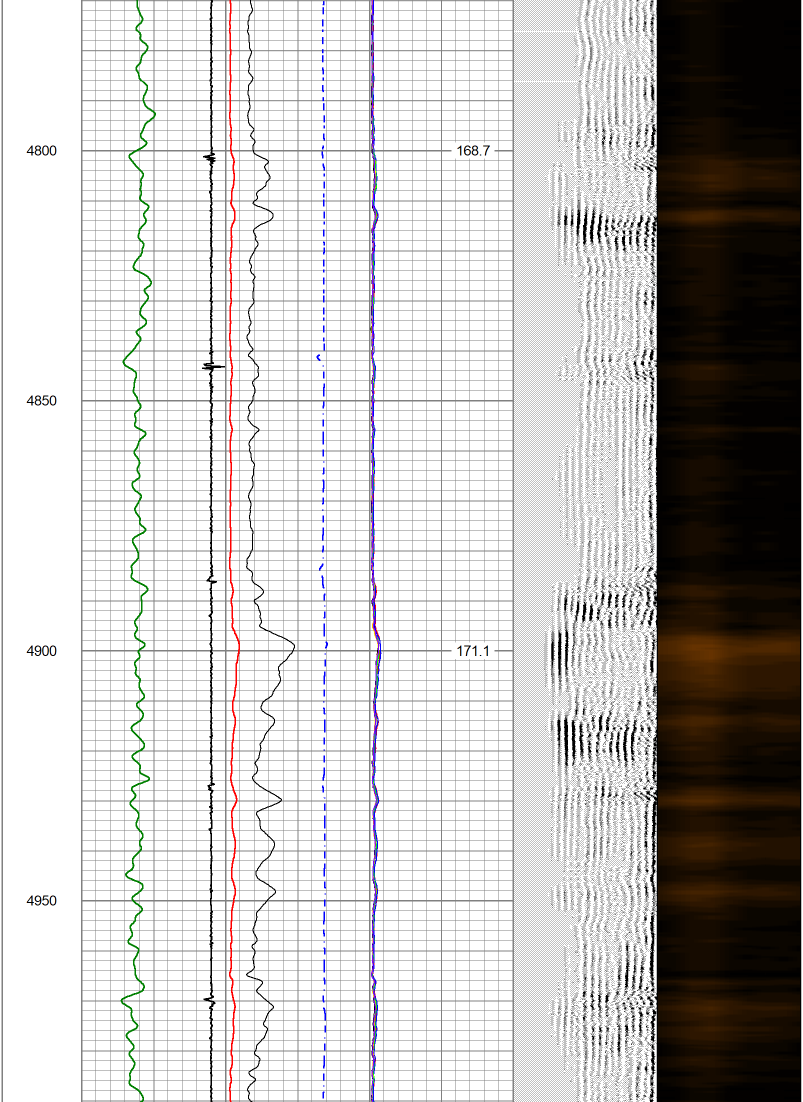


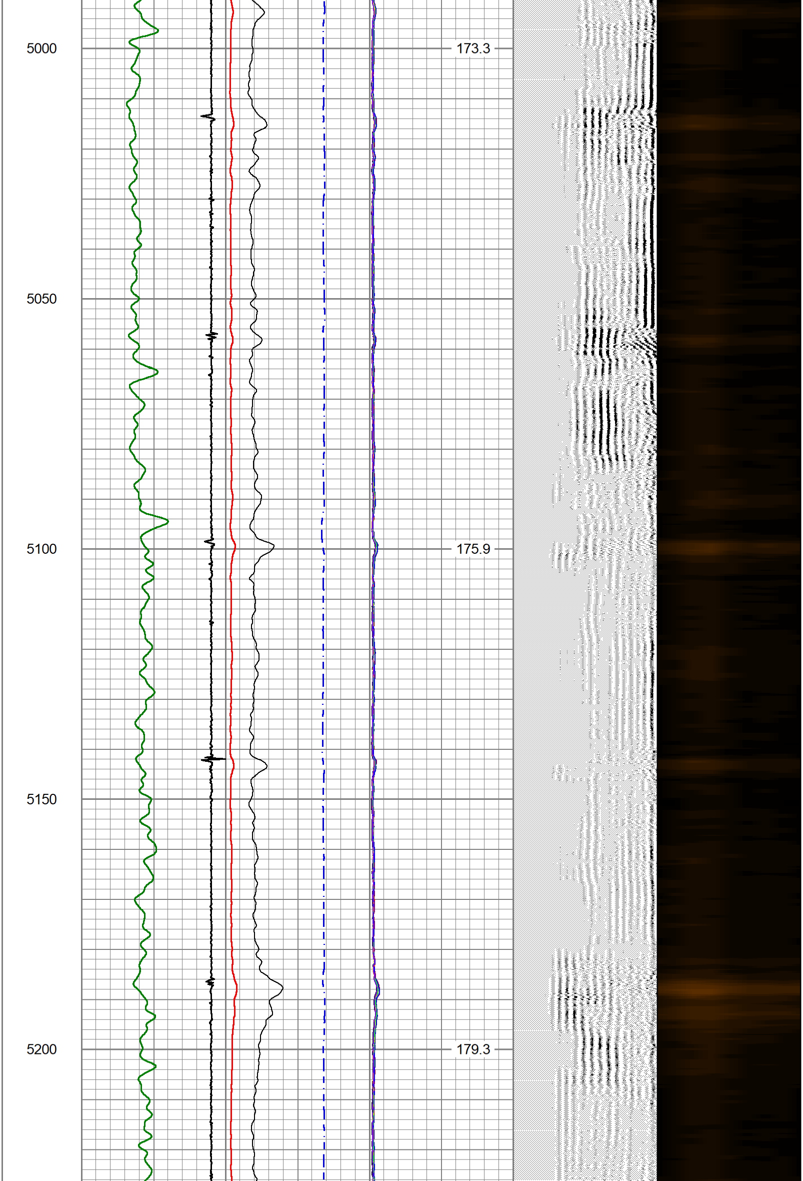


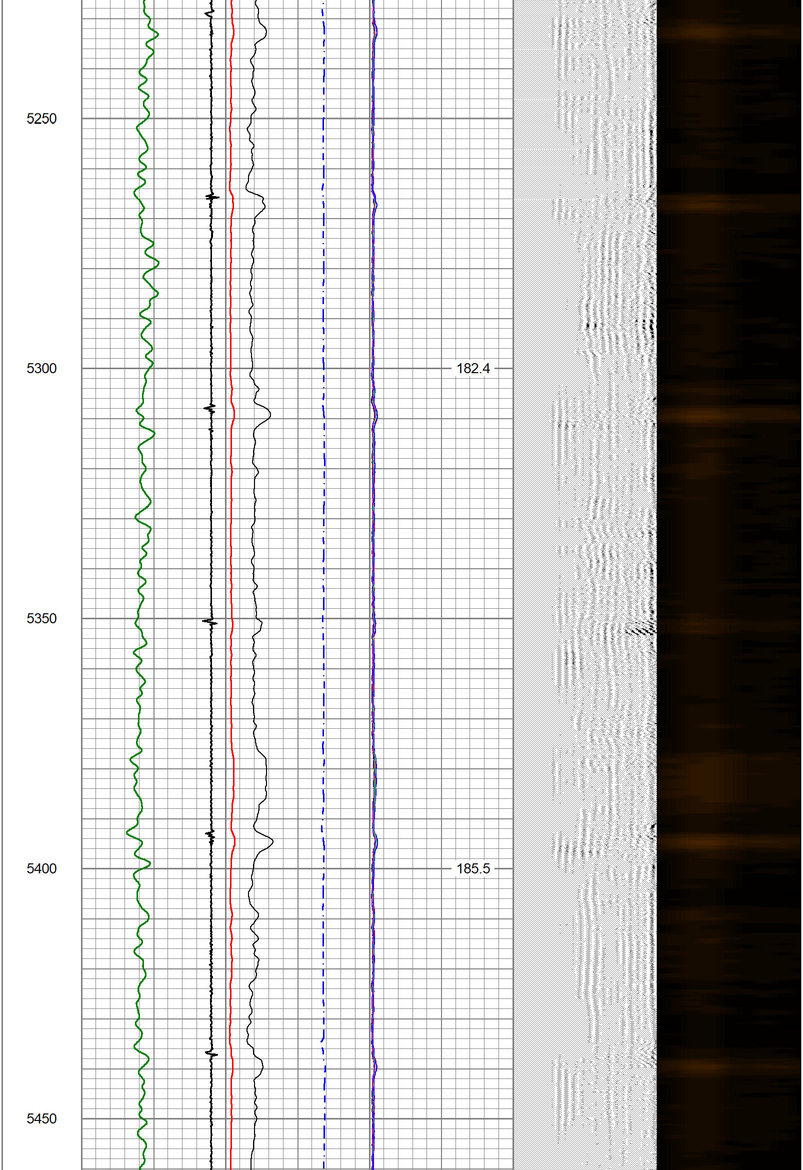


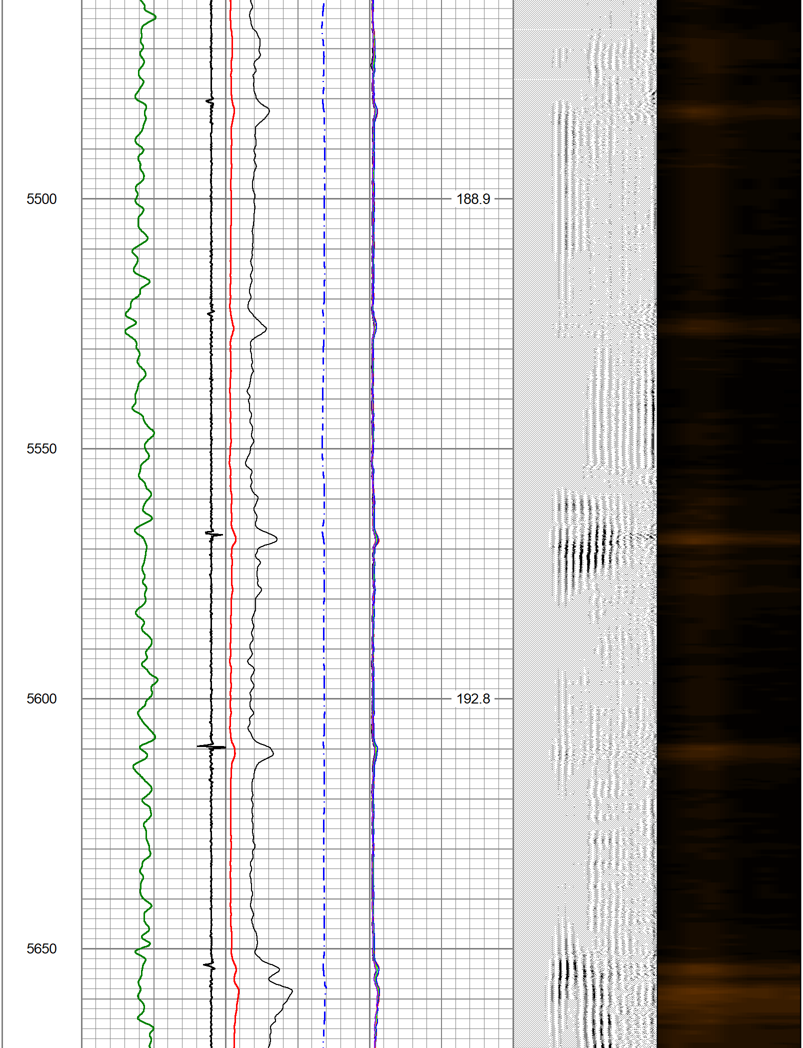


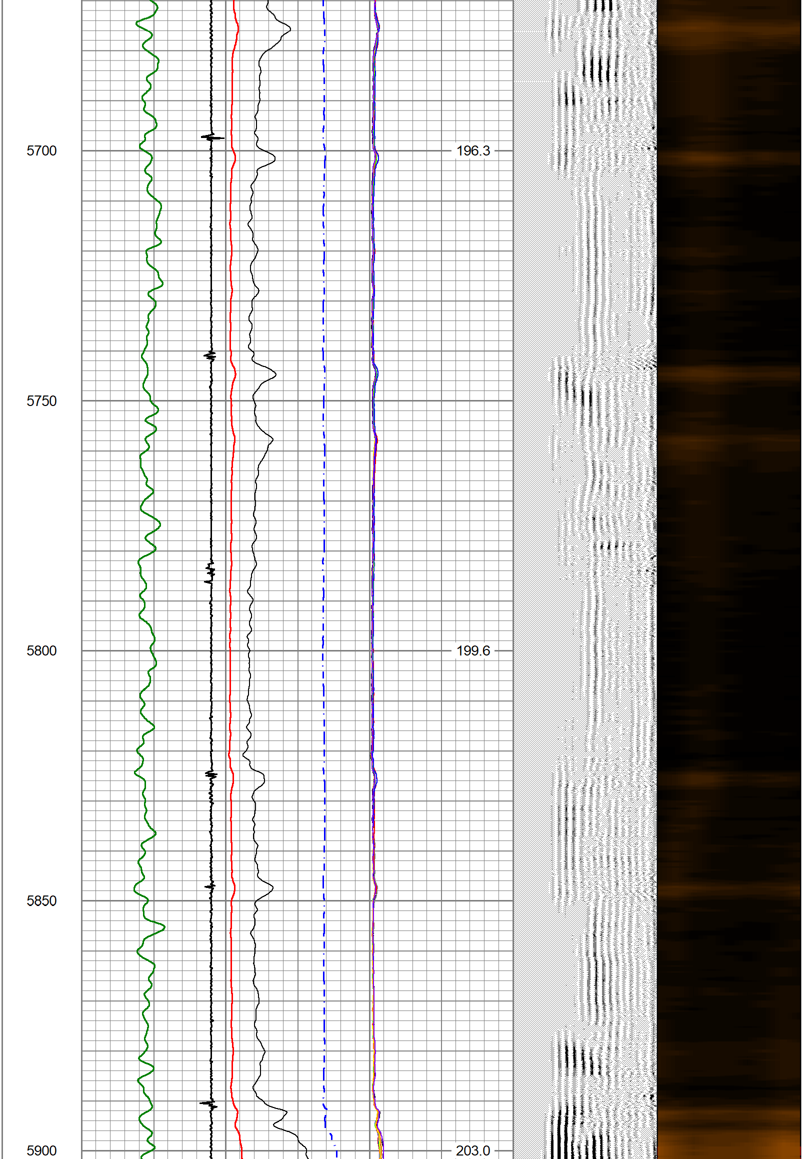


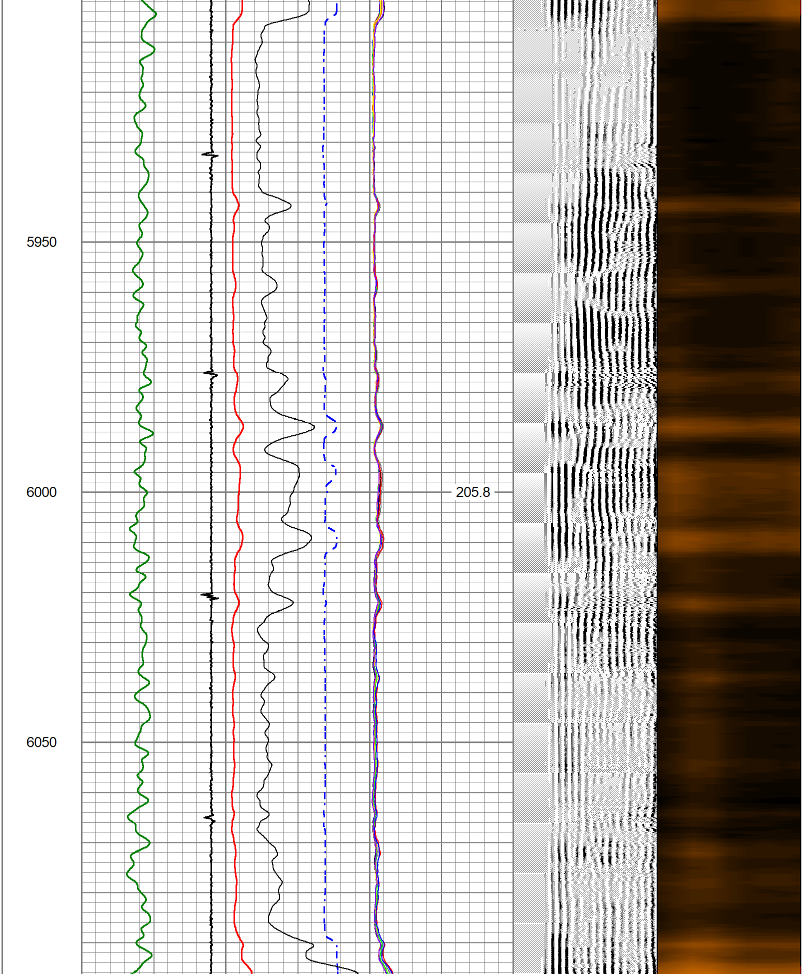


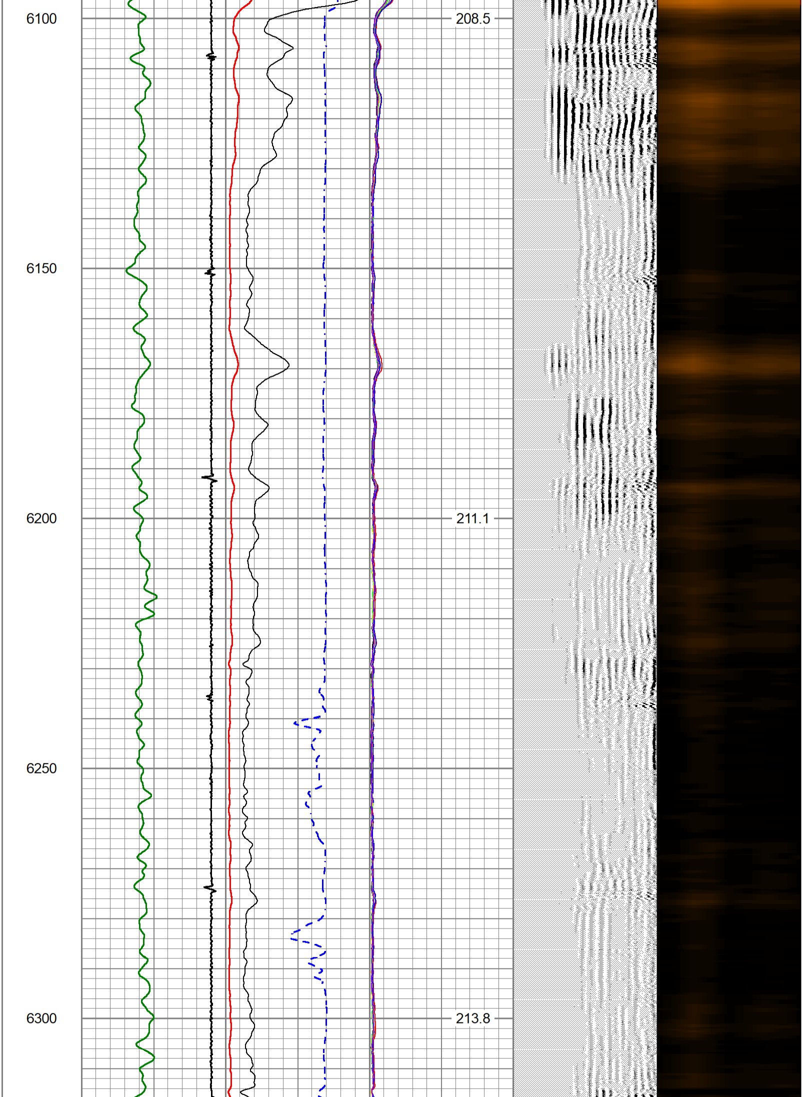


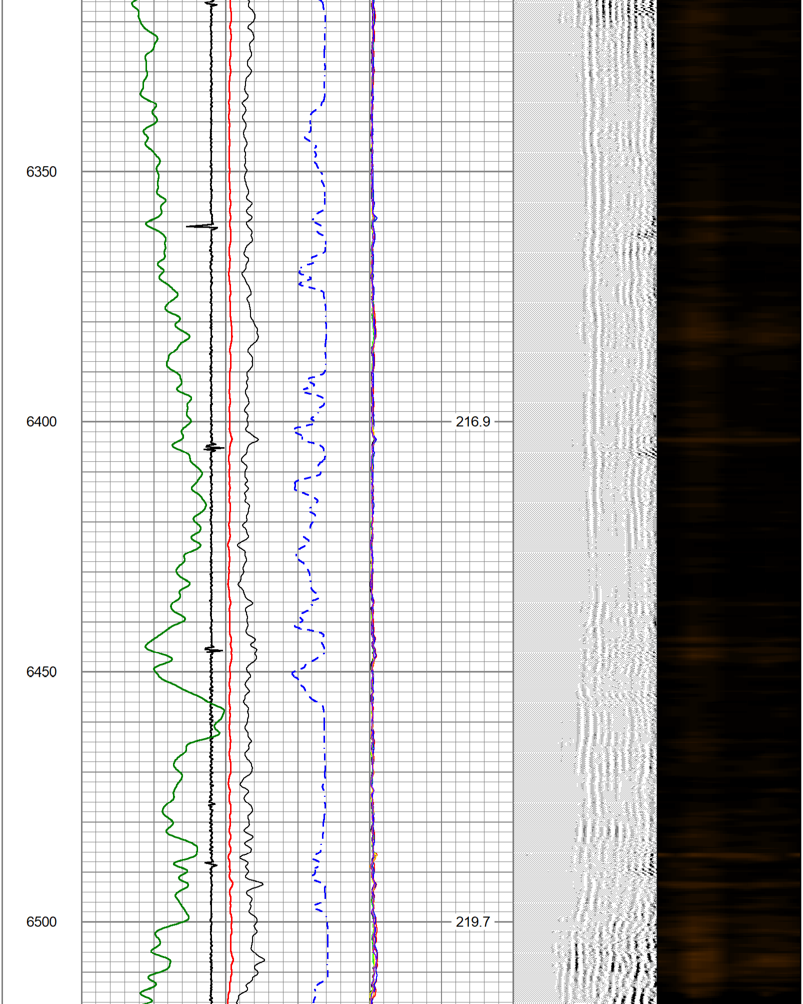


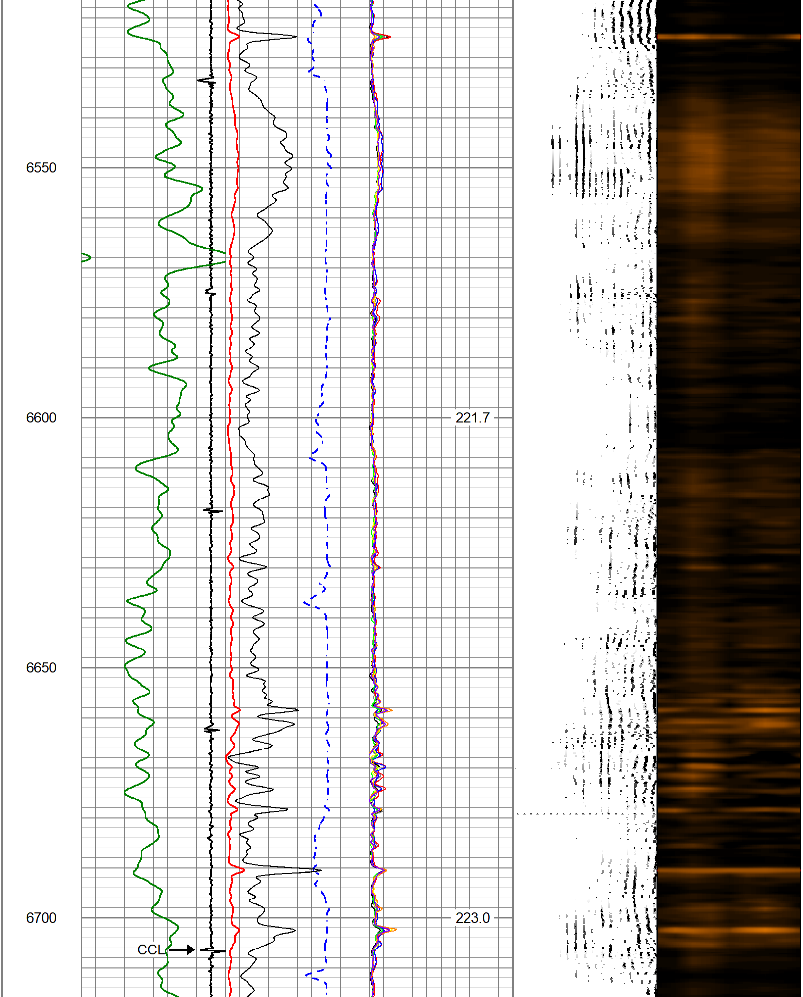


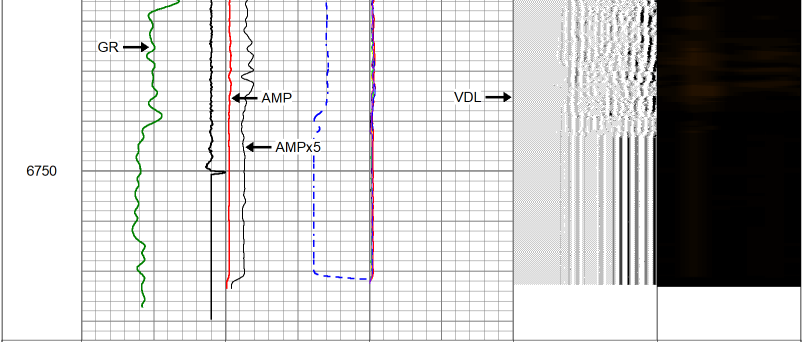












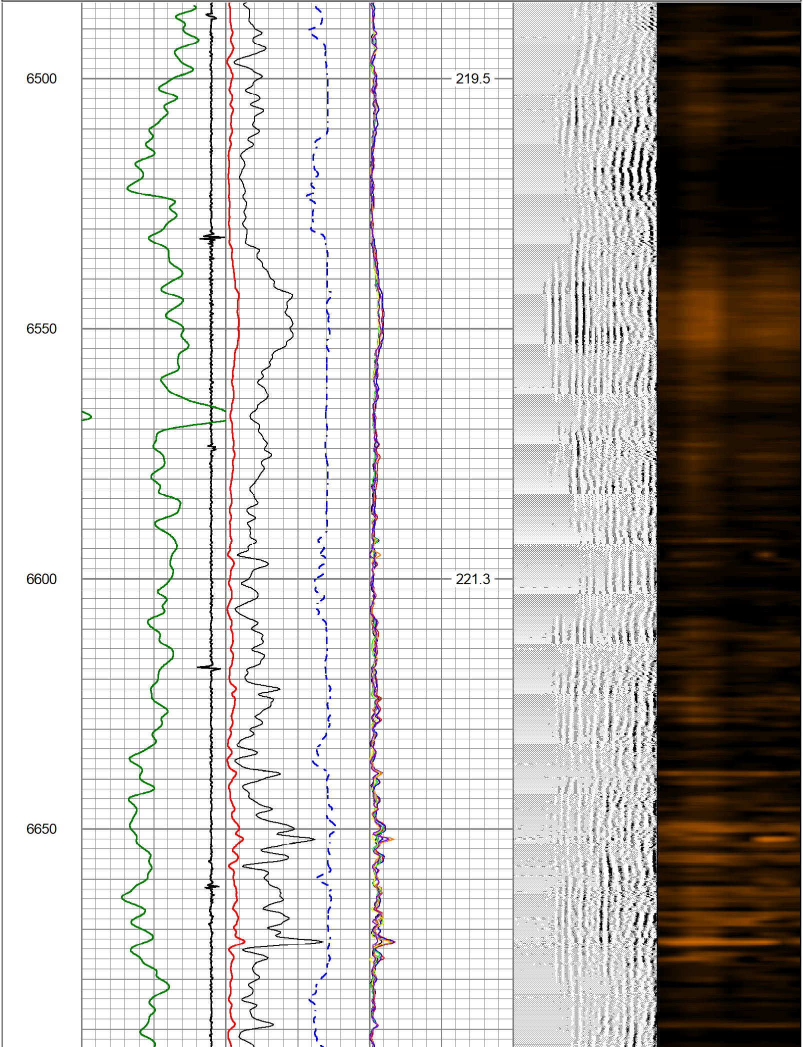
-2.5 CCL 3	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

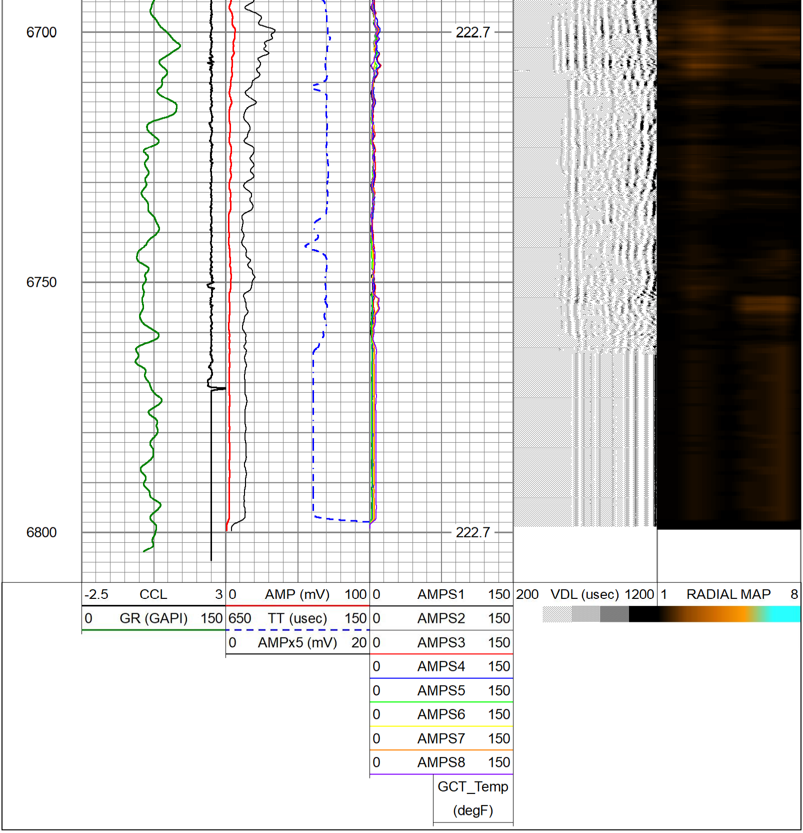
SureFire
WIRELINE WEST
LLC

REPEAT SECTION

Database File	civitas state antelope c13-w43-2hn.db
Dataset Pathname	pass2
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Tue Nov 22 10:55:31 2022
Charted by	Depth in Feet scaled 1:240

-2.5 CCL 3	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		





Calibration Report

Database File	civitas state antelope c13-w43-2hn.db
Dataset Pathname	pass3
Dataset Creation	Tue Nov 22 11:02:38 2022

Gamma Ray Calibration Report

Serial Number: FW1905-098
Tool Model: GCT275-0000
Performed: Mon May 4 14:03:10 2020

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5800	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1905-055
Tool Model: Probe

Calibration Casing Diameter: 5.500 in
Calibration Depth: 223.225 ft

Master Calibration, performed Tue Nov 15 13:36:59 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.396	0.800	71.921	50.953	0.780
CAL	-0.000	1.517				
5'	-0.000	1.310	0.800	71.921	54.272	0.818
SUM						
S1	0.001	1.399	0.000	71.921	51.430	-0.038
S2	0.001	1.352	0.000	71.921	53.220	-0.032
S3	0.000	1.368	0.000	71.921	52.581	-0.012
S4	-0.001	1.344	0.000	71.921	53.485	0.039
S5	0.000	1.329	0.000	71.921	54.131	-0.009
S6	0.001	1.354	0.000	71.921	53.148	-0.060
S7	0.000	1.346	0.000	71.921	53.464	-0.025
S8	0.000	1.409	0.000	71.921	51.066	-0.023

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.517	1.000	0.000

Air Zero Calibration, performed Tue Sep 21 11:19:14 2021:

	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