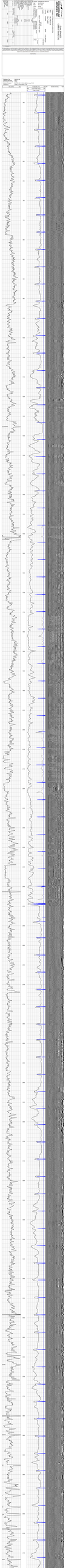

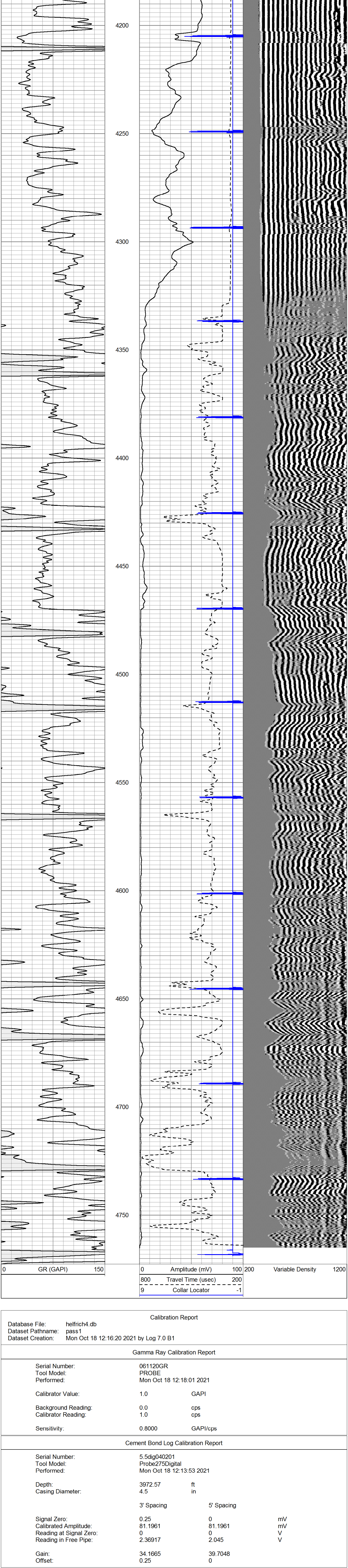

PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	STRAHAN EXPLORATION
Well	HELFRICH #4
Field	SALT LAKE
County	KIOWA
State	COLORADO

Company STRAHAN EXPLORATION
Well HELFRICH #4
Field SALT LAKE
County KIOWA State COLORADO

Location NE NE
SEC 8 TWP 19S RGE 50W

Other Services

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

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

Date	10-18-2021
Run Number	ONE
Depth Driller	
Depth Logger	4773
Bottom Logged Interval	4773
Top Log Interval	430
Casing Size	4 1/2"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	1140
Time Well Ready	
Time Logger on Bottom	
Equipment Number	TR-4
Location	CHEYENNE WELLS, CO
Recorded By	HENDERSON
Witnessed By	SHAWN REED

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
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

Database File:	helfrich4.db
Dataset Pathname:	pass1
Presentation Format:	cbldig
Dataset Creation:	Mon Oct 18 12:16:20 2021 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File:	helfrich4.db
Dataset Pathname:	pass1
Dataset Creation:	Mon Oct 18 12:16:20 2021 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Mon Oct 18 12:18:01 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Mon Oct 18 12:13:53 2021		
Depth:	3972.57	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.25	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.36917	2.045	V
Gain:	34.1665	39.7048	
Offset:	0.25	0	