Company	Fram Operating LLC
Well	Eberly 23-4 (OWP)
Field	Whitewater
County	Mesa
State	Colorado

Radial Cement
Gamma Ray
Casing Collar Log

THE WIRELINE GROUP

Company Fram Operating LLC
Well Eberly 23-4 (OWP)
Field Whitewater
County Mesa State Colorado

Location: API # : 05-077-08886
SEC 23 TWP 2S RGE 2E

Other Services
3.73" GR

Permanent Datum	Ground Level	Elevation 5556'	Elevation K.B. --- G.L. 5556'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		

Date	28-MAY-2024
Run Number	One
Depth Driller	2040'
Depth Logger	1480'
Bottom Logged Interval	1460'
Top Log Interval	Surface
Open Hole Size	---
Type Fluid	Water/Mud
Density / Viscosity	---
Max. Recorded Temp.	90°F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	14:00
Equipment Number	8103
Location	Grand Jct, CO
Recorded By	E. Vaughn
Witnessed By	B. Wade

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface Casing	7"	23	Surface	348'
Production Casing	4.5"	11.6	Surface	1910'
Intermediate #2				
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 ran as per customer request
Log correlated to 0' @ Ground Level

***** Thank You For Using The Wireline Group *****

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Main Pass 5" = 100' (0 PSI)

Database File	delsco_eberly_23-4_rcbl.db
Dataset Pathname	merge1
Presentation Format	twgrcbl
Dataset Creation	Tue May 28 16:44:36 2024
Charted by	Depth in Feet scaled 1:240

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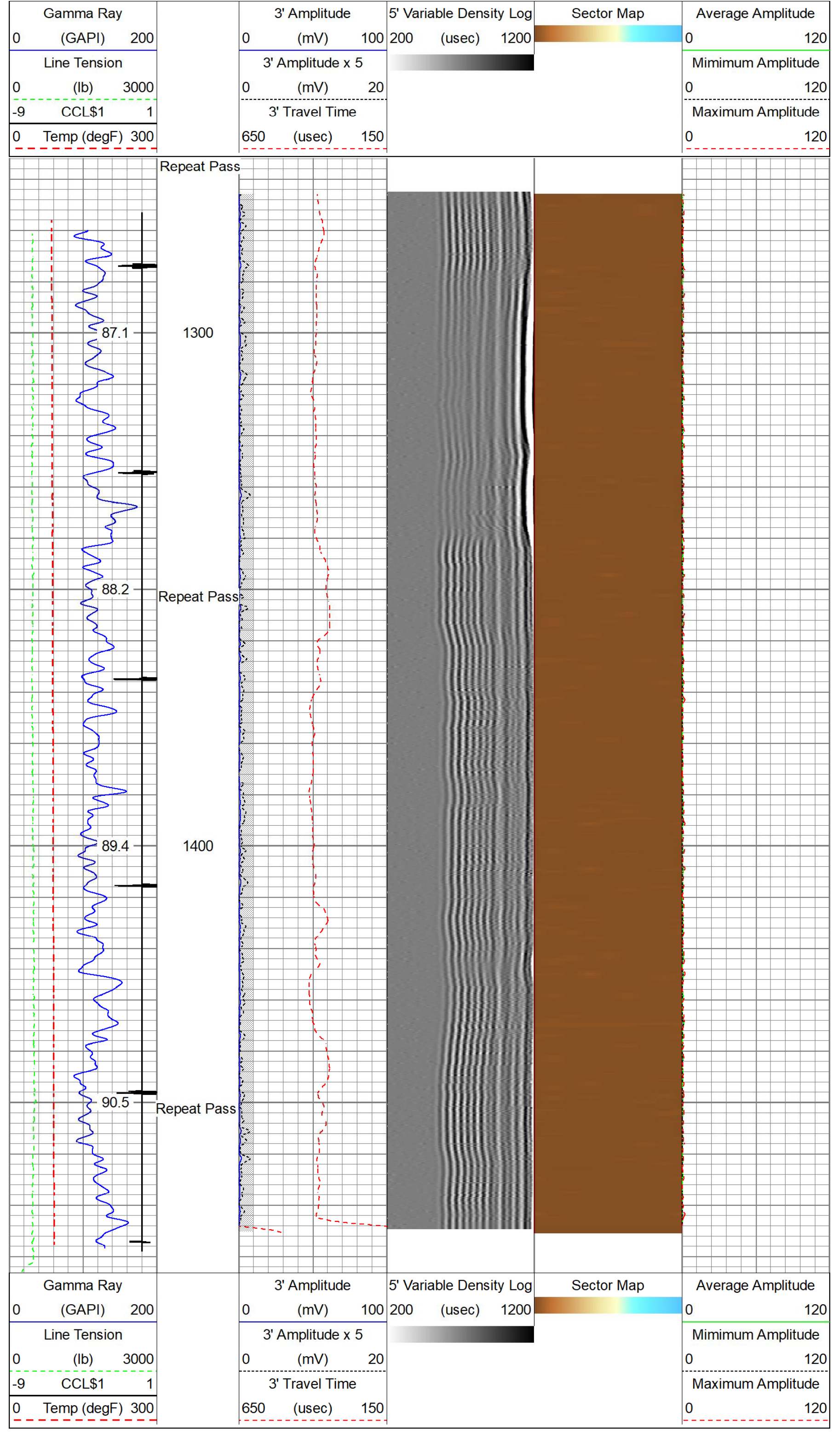
Repeat Pass 5" = 100' (0 PSI)

Database File	delsco_eberly_23-4_rcbl.db
Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Tue May 28 14:33:41 2024
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	delsco_eberly_23-4_rcbl.db
Dataset Pathname	main
Dataset Creation	Tue May 28 14:38:15 2024

Gamma Ray Calibration Report

Serial Number:	FW1304-53	
Tool Model:	GCT275-0000	
Performed:	Tue Jun 7 16:23:39 2022	
Calibrator Value:	205.0	GAPI
Background Reading:	63.3	cps
Calibrator Reading:	244.0	cps
Sensitivity:	0.9131	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1312-30	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	110.875	ft

Master Calibration, performed Tue May 28 14:22:50 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	0.853	0.250	81.196	96.539	-1.159
CAL	0.011	0.750				
5'	0.017	0.756	0.250	81.196	109.571	-1.592
SUM						
S1	0.015	0.889	0.000	100.000	114.458	-1.710
S2	0.014	0.830	0.000	100.000	122.571	-1.748
S3	0.016	0.811	0.000	100.000	125.775	-2.039
S4	0.015	0.793	0.000	100.000	128.520	-1.878
S5	0.015	0.817	0.000	100.000	124.642	-1.861
S6	0.016	0.856	0.000	100.000	118.928	-1.850
S7	0.015	0.922	0.000	100.000	110.164	-1.622
S8	0.015	0.972	0.000	100.000	104.560	-1.588

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.011	0.750	1.000	0.000

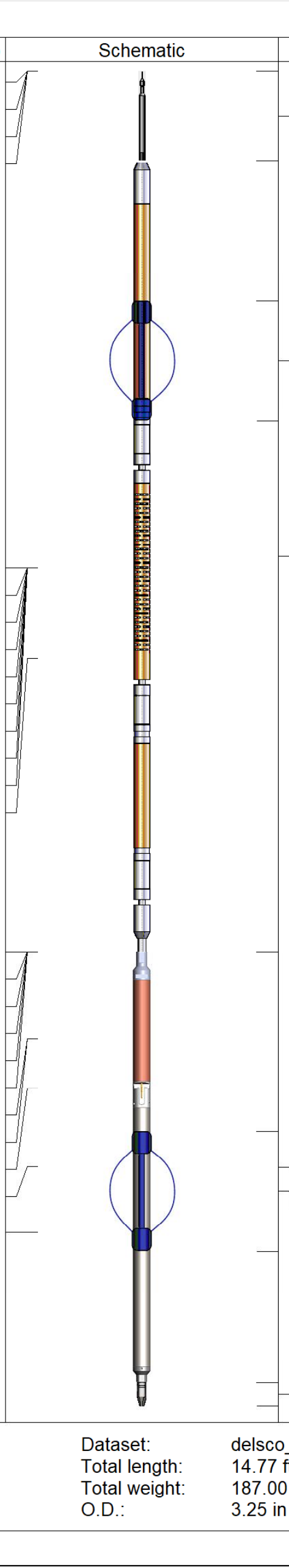
Air Zero Calibration, performed Tue May 28 14:01:36 2024:

	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

Inclinometer Calibration Report

Performed: Thu Jul 28 15:46:49 2022

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-931.00	904.00	-1.00	1.00	gee
Y Accelerometer	-899.00	884.00	-1.00	1.00	gee
Z Accelerometer	1.47	886.18	0.00	1.00	gee



Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb
GCT_FMWR mSec_Count RBT_Status Error_Ct	14.77 14.77 14.77 14.77	Cable-Head-Titan 1 7/16" Cable Head	1.00	1.44	1.00
		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVF3FT WVF5FT	9.27 9.27 9.27 9.27 9.27 9.27 9.27 9.27 9.27 8.27	RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
RBT_ACCZ RBT_ACCY RBT_ACCX GCT_HV WVFSYNC WVFCAL CCL$2 CCL$1 GCT_Temp GR GCT_IntTemp	5.02 5.02 5.02 5.02 5.02 5.02 4.06 4.06 3.51 2.64 1.92	GC-GCT275-0000 (FW1304-53) Probe 2.75" Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
		GO BN-14375 GO 1-7/16" Bull Nose with Go Box Top	0.25	1.44	1.00

Dataset:	delsco_eberly_23-4_rcbl.db: field/well/run1/main
Total length:	14.77 ft
Total weight:	187.00 lb
O.D.:	3.25 in

Company Fram Operating LLC
Well Eberly 23-4 (OWP)
Field Whitewater
County Mesa State Colorado

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Radial Cement
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