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

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
5.93" GR

Permanent Datum	Ground Level	Elevation	5556'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		

Elevation
K.B. ---
G.L. 5556'

Date	29-MAY-2024		
Run Number	One		
Depth Driller	2040'		
Depth Logger	500'		
Bottom Logged Interval	480'		
Top Log Interval	Surface		
Open Hole Size	---		
Type Fluid	Water/Mud		
Density / Viscosity	---		
Max. Recorded Temp.	65°F		
Estimated Cement Top	See Log		
Time Well Ready	ROA		
Time Logger on Bottom	10:00		
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				
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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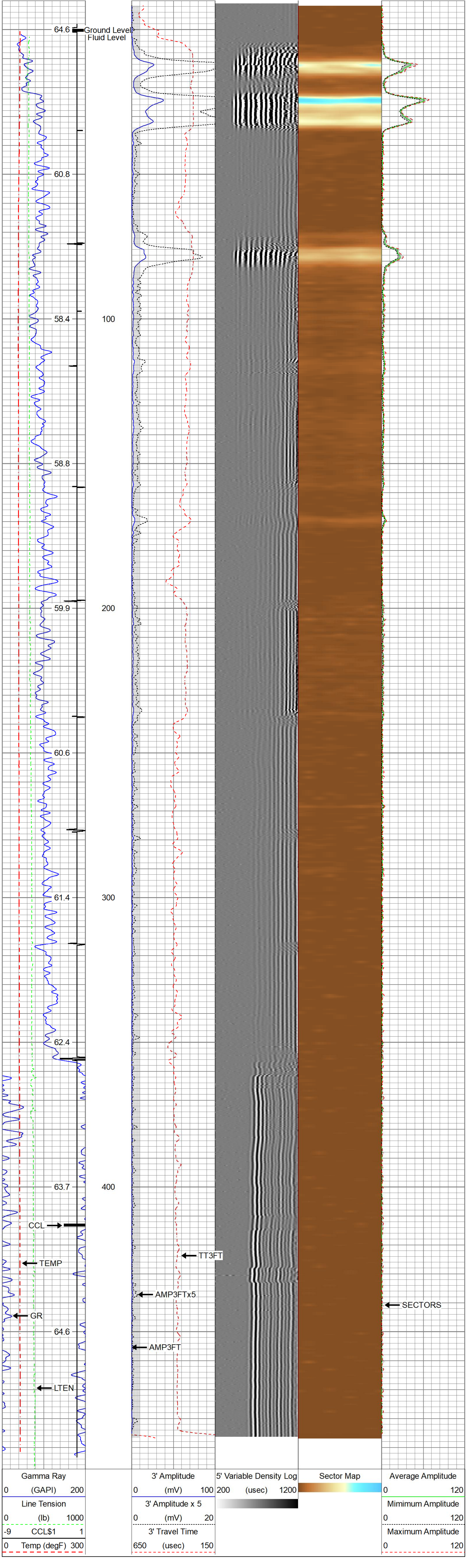
Main Pass 5" = 100' (0 PSI)

Database File	delsco_eberly_23-4_rcbl_7.db
Dataset Pathname	7inmain3.1
Presentation Format	twgrcbl
Dataset Creation	Thu May 30 12:14:53 2024
Charted by	Depth in Feet scaled 1:240



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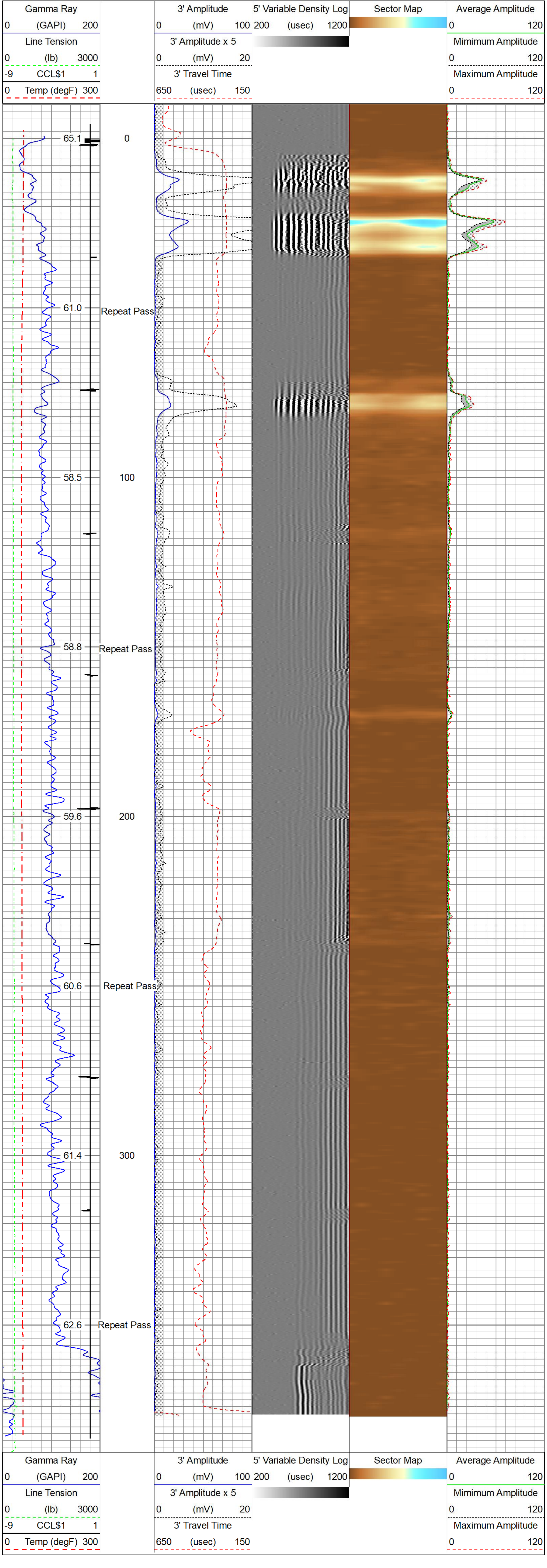
Repeat Pass 5" = 100' (0 PSI)

Database File	delsco_eberly_23-4_rcbl_7.db
Dataset Pathname	7inmain.2
Presentation Format	twgrcbl
Dataset Creation	Thu May 30 12:16:40 2024
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	delsco_eberly_23-4_rcbl_7.db
Dataset Pathname	7inmain3.1
Dataset Creation	Thu May 30 12:14:53 2024

Gamma Ray Calibration Report

Serial Number:	FW1401-17	
Tool Model:	GCT275-0000	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1312-30	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	131.092	ft

Master Calibration, performed Wed May 29 12:00:48 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	0.868	0.250	71.921	83.970	-0.976
CAL	0.011	0.749				
5'	0.017	0.743	0.250	71.921	98.689	-1.409
SUM						
S1	0.015	0.816	0.000	100.000	124.827	-1.865
S2	0.014	0.835	0.000	100.000	121.847	-1.737
S3	0.016	0.876	0.000	100.000	116.273	-1.885
S4	0.015	0.884	0.000	100.000	115.053	-1.681
S5	0.015	0.902	0.000	100.000	112.786	-1.684
S6	0.016	0.866	0.000	100.000	117.517	-1.828
S7	0.015	0.824	0.000	100.000	123.526	-1.819
S8	0.015	0.822	0.000	100.000	123.879	-1.881

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.011	0.749	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

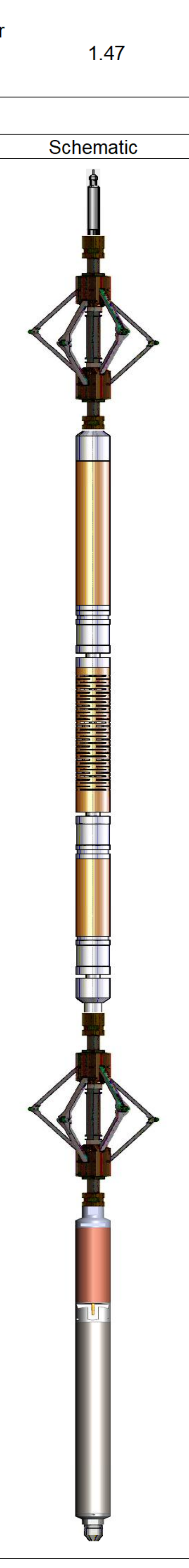
Inclinometer Calibration Report

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)
GCT_FMWR	20.60
mSec_Count	20.60
RBT_Status	20.60
Error_Ct	20.60
WVFS8	12.19
WVFS7	12.19
WVFS6	12.19
WVFS5	12.19
WVFS4	12.19
WVFS3	12.19
WVFS2	12.19
WVFS1	12.19
WVF3FT	12.19
WVF5FT	11.19
RBT_ACCZ	7.94
RBT_ACCY	7.94
RBT_ACCX	7.94
WVFSYNC	7.94
WVFCAL	7.94
GCT_HV	5.02
CCL$2	4.06
CCL$1	4.06
GCT_Temp	3.51
GR	2.64
GCT_IntTemp	1.92

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb)
Cable-Head-Titan 1 7/16" Cable Head	1.00	1.44	1.00
BTA-MUD BTA 2-3/4" Roller 6 Arm Centralizer with Reversible Ends	2.92	2.72	25.00
RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
BTA-MUD BTA 2-3/4" Roller 6 Arm Centralizer with Reversible Ends	2.92	2.72	25.00
GC-GCT275-0000 (FW1401-17) Probe 2.75" Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
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_7.db: field/well/run1/7inmain3.1
Total length:	20.60 ft
Total weight:	217.00 lb
O.D.:	2.75 in

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

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