THE WIRELINE GROUP

# Radial Cement Bond
# Gamma Ray
# Casing Collar Log

| | |
|---|---|
| Company | TEP Rocky Mountain LLC |
| Well | Leverich SR 422-13 |
| Field | Rulison |
| County | Garfield |
| State | Colorado |

Company TEP Rocky Mountain LLC
Well Leverich SR 422-13
Field Rulison
County Garfield State Colorado
Location: API #: 05-045-24566
SEC 13 TWP 7S RGE 94W
Other Services

| | | | |
|---|---|---|---|
| Permanent Datum | Ground Level | Elevation 8007' | Elevation<br>K.B. 8037'<br>D.F. 8037'<br>G.L. 8007' |
| Log Measured From | Kelly Bushing | | |
| Drilling Measured From | Kelly Bushing | | |

| | |
|---|---|
| Date | 04-OCT-2023 |
| Run Number | One |
| Depth Driller | 10753' |
| Depth Logger | 10692' |
| Bottom Logged Interval | 10686' |
| Top Log Interval | Surface |
| Open Hole Size | 8.75" |
| Type Fluid | Water |
| Density / Viscosity | 8.34 Lb/Gal |
| Max. Recorded Temp. | 258°F |
| Estimated Cement Top | See Log |
| Time Well Ready | ROA |
| Time Logger on Bottom | 11:00 |
| Equipment Number | 8102 |
| Location | Grand Junction |
| Recorded By | P. Edwards |
| Witnessed By | D. Welsh |

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

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9.625" | 36 | Surface | 1176' |
| Prot. String | | | | |
| Production String | 4.5" | 11.6 | Surface | 10753 |
| Liner | | | | |

<<< Fold Here >>>

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
Depth referenced to Kelly Bushing at 30'
Marker joint logged @ 6450' - 6460'

Thank you for choosing The Wireline Group!

THE WIRELINE GROUP

## Main Pass 5" = 100'

| | |
|---|---|
| Database File | tep_leverich_sr_422-13_rcbl.db |
| Dataset Pathname | main |
| Presentation Format | twgrcbl |
| Dataset Creation | Wed Oct 04 11:05:05 2023 |
| Charted by | Depth in Feet scaled 1:240 |

Gamma Ray 0 (GAPI) 150
Line Tension 0 (lb) 4000
-9 CCL$1 1
0 Temp (degF) 300

3' Amplitude 0 (mV) 100
3' Amplitude x 5 0 (mV) 20
3' Travel Time 650 (usec) 150

5' Variable Density Log 200 (usec) 1200

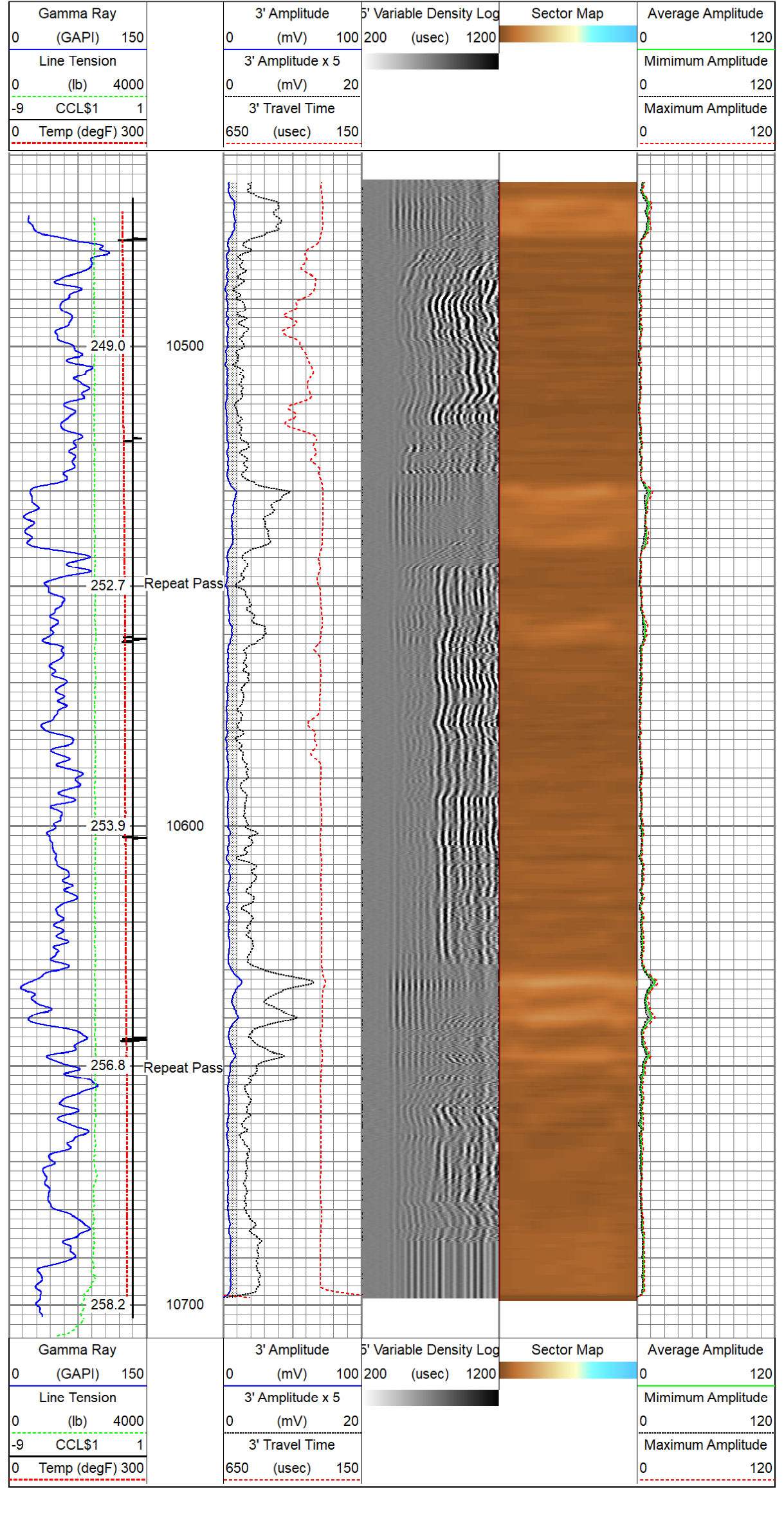
Sector Map

Average Amplitude 0 120
Mimimum Amplitude 0 120
Maximum Amplitude 0 120

106.4
107.1
3800
108.1
108.9
3900
109.5
110.3
4000
111.3
112.1
4100
112.9
113.7
4200
114.4
115.4
4300
116.1
117.0
4400
117.8
118.9
4500
119.8
120.4
4600
121.3
122.1
4700
123.0
124.0
4800
124.8
125.6
4900
126.5
127.3
5000
128.3
129.0
5100
129.8
130.8
5200
131.5
132.4
5300
133.4
134.2
5400
135.2
135.9
5500
137.0
137.7
5600
138.7
139.4
5700
140.5
141.5
5800
142.2
143.3
5900
144.2
145.2
6000
146.1
146.9
6100
147.9
148.7
6200
149.6
150.6
6300
151.7
152.3
6400
152.8
Marker Joint
153.8
6500
155.1
156.2
6600
157.0
158.1
6700
159.2
160.4
6800
161.5
162.7
6900
163.8
165.1
7000
166.1
167.3
7100
168.4
169.1
7200
169.6
170.9
7300
172.3
173.3
7400
174.3
175.2
7500
176.0
177.1
7600
177.9
178.9
7700

## Repeat Pass 5" = 100'

Database File tep_leverich_sr_422-13_rcbl.db
Dataset Pathname repeat
Presentation Format twgrcbl
Dataset Creation Wed Oct 04 11:01:11 2023
Charted by Depth in Feet scaled 1:240



### Calibration Report

Database File tep_leverich_sr_422-13_rcbl.db
Dataset Pathname main
Dataset Creation Wed Oct 04 11:05:05 2023

### Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | FW1311-93 | |
| Tool Model: | 50-GCT275-0000 | |
| Performed: | Wed Aug 9 11:12:55 2023 | |
| Calibrator Value: | 145.2 | GAPI |
| Background Reading: | 73.8 | cps |
| Calibrator Reading: | 294.4 | cps |
| Sensitivity: | 0.6579 | GAPI/cps |

### Inclinometer Calibration Report

Performed: Thu Jan 26 15:51:24 2023

| | Low Read. | High Read. | Low Ref. | High Ref. | |
|---|---|---|---|---|---|
| X Accelerometer | -941.00 | 997.00 | -1.00 | 1.00 | gee |
| Y Accelerometer | -924.00 | 915.00 | -1.00 | 1.00 | gee |
| Z Accelerometer | 15.07 | -898.87 | 0.00 | 1.00 | gee |

### Segmented Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | FW1312-30 | |
| Tool Model: | Probe275acc | |
| Calibration Casing Diameter: | 4.500 | in |
| Calibration Depth: | 42.000 | ft |

Master Calibration, performed Wed Oct 4 08:04:53 2023:

| | Raw (v) | | Calibrated (mv) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.001 | 0.747 | 0.300 | 81.196 | 108.533 | 0.141 |
| CAL | 0.000 | 0.754 | | | | |
| 5' | 0.006 | 0.626 | 0.300 | 81.196 | 130.386 | -0.461 |
| SUM | | | | | | |
| S1 | 0.000 | 0.749 | 0.000 | 100.000 | 113.475 | -0.037 |
| S2 | 0.001 | 0.773 | 0.000 | 100.000 | 119.409 | -0.090 |
| S3 | 0.002 | 0.764 | 0.000 | 100.000 | 131.261 | -0.288 |
| S4 | 0.002 | 0.742 | 0.000 | 100.000 | 135.014 | -0.208 |
| S5 | 0.002 | 0.749 | 0.000 | 100.000 | 133.758 | -0.209 |
| S6 | 0.001 | 0.740 | 0.000 | 100.000 | 135.255 | -0.097 |
| S7 | 0.001 | 0.746 | 0.000 | 100.000 | 134.220 | -0.175 |
| S8 | 0.002 | 0.744 | 0.000 | 100.000 | 124.819 | -0.249 |

Internal Reference Calibration, performed (Not Performed):

| | Raw (v) | | Calibrated (v) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| CAL | 0.000 | 0.000 | 0.000 | 0.754 | 1.000 | 0.000 |

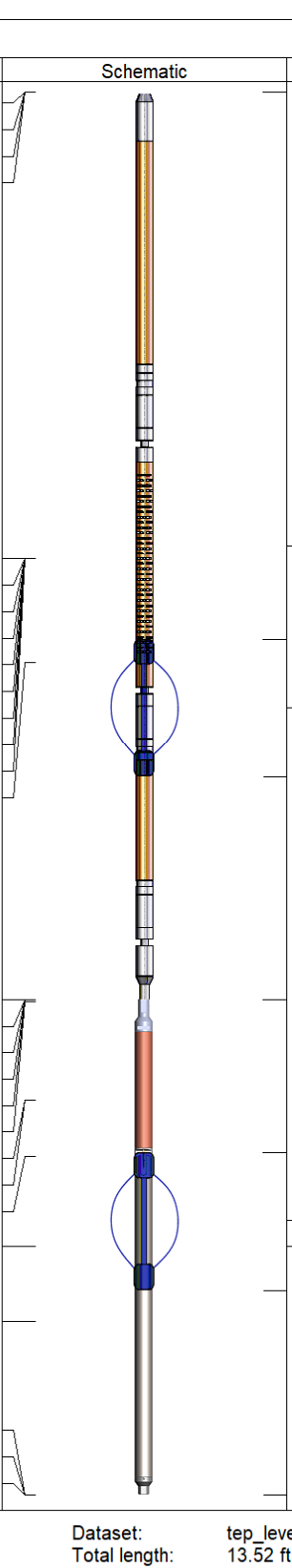
Air Zero Calibration, performed Wed Oct 4 08:05:16 2023:

| | Raw (v) | Calibrated (v) | Results |
|---|---|---|---|
| | Zero | Zero | Offset |
| 3' | 0.001 | 0.000 | 0.000 |
| 5' | 0.004 | 0.000 | 0.002 |
| SUM | | | |
| S1 | 0.002 | 0.000 | -0.001 |
| S2 | 0.001 | 0.000 | -0.001 |
| S3 | 0.001 | 0.000 | 0.001 |
| S4 | 0.001 | 0.000 | 0.000 |
| S5 | 0.001 | 0.000 | 0.000 |
| S6 | 0.002 | 0.000 | -0.001 |
| S7 | 0.002 | 0.000 | -0.000 |
| S8 | 0.001 | 0.000 | 0.001 |

### 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) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|---|---|---|---|---|---|---|
| GCT_FMWR<br>mSec_Count<br>RBT_Status<br>Error_Ct | 13.52<br>13.52<br>13.52<br>13.52 |  | | | | |
| WVFS8<br>WVFS7<br>WVFS6<br>WVFS5<br>WVFS4 | 9.02<br>9.02<br>9.02<br>9.02<br>9.02 | | RBT8acc-Probe275acc (FW1312-30)<br>2.75" Radial Corrosion with accelerometer | 8.75 | 2.75 | 110.00 |
| WVFS3<br>WVFS2<br>WVFS1<br>WVF3FT<br>WVF5FT | 9.02<br>9.02<br>9.02<br>9.02<br>8.02 | | SO BS CENT-2750-4500<br>Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer | 1.33 | 3.25 | 10.00 |
| RBT_ACCZ<br>RBT_ACCY<br>RBT_ACCX<br>WVFSYNC<br>WVFCAL<br>GCT_HV<br>CCL$2<br>CCL$1 | 4.77<br>4.77<br>4.77<br>4.77<br>4.77<br>4.76<br>3.81<br>3.81 | | | | | |
| GCT_Temp<br>GR | 3.26<br>2.39 | | SO BS CENT-2750-4500<br>Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer | 1.33 | 3.25 | 10.00 |
| GCT_IntTemp | 1.67 | | GCT_acc-50-GCT275-0000 (FW1311-93)<br>Probe 2.75" Gamma Ray - CCL w/Temp (Single Pin) | 4.77 | 2.75 | 55.00 |
| GCT_ACCZ<br>GCT_ACCY<br>GCT_ACCX | 0.00<br>0.00<br>0.00 | | | | | |

Dataset: tep_leverich_sr_422-13_rcbl.db: field/well/run1/main
Total length: 13.52 ft
Total weight: 195.00 lb
O.D.: 3.25 in

| | |
|---|---|
| Company | TEP Rocky Mountain LLC |
| Well | Leverich SR 422-13 |
| Field | Rulison |

| | | | |
|---|---|---|---|
| County | Garfield | State | Colorado |
| TWG<br>THE WIRELINE<br>GROUP | Radial Cement Bond<br>Gamma Ray<br>Casing Collar Log | | |