



## DataLog® Drill Report

### Job Information

**Job Location:**

**Name:** Montevideo Veterans Home

**Contact:****Phone:**

**Address:** 2190 Willimas Ave.

**City:** Montevideo, MN, 56265

**Client Information:**

RJ Mechanical

Mike Holznagel

320-6790602

901 North Industrial Park Blvd

Mora, MN, 55051

**Contractor Information:**

Bergerson-Caswell, Inc.

David Henrich

763-479-3121

5115 Industrial Street

Maple Plain, MN, 55359

### Receiver/Job Information

55 data points collected on unit Serial Number: 30188000 in Job 34 on 07/25/2022. Flags and Pins listed below (if applicable).

All units in charts and tables are Distance in ft, Depth in ft, Pitch in %, and Pressure in PSI.

Reference Elevation is not measured.

Entry Point Relative Depth 0.00. Chart and Table zero are the Reference Elevation.

Exit Terrain not surveyed.

First Rod Length is 7.00

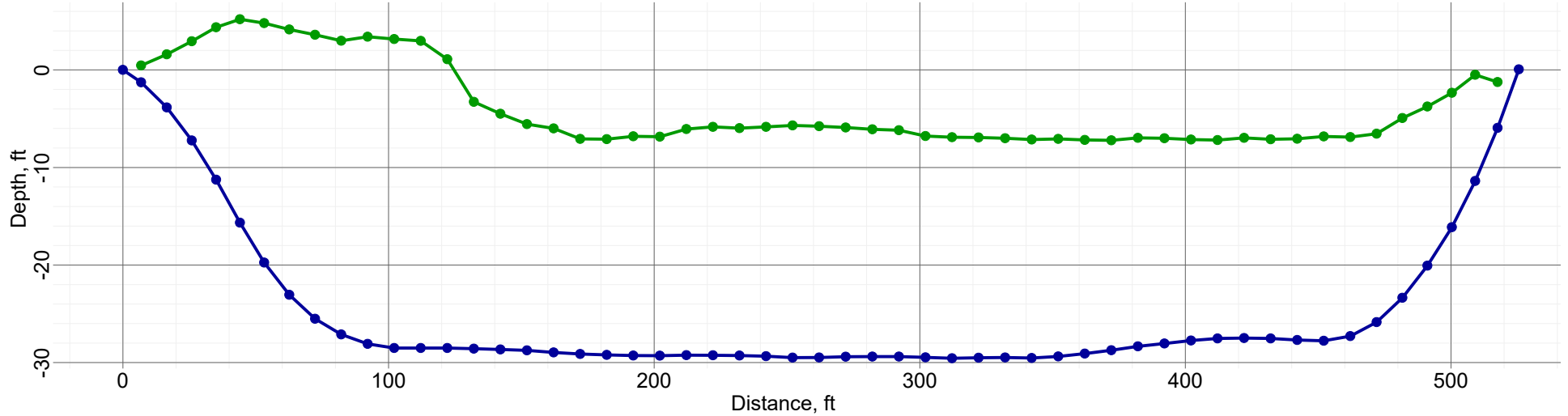
Typical Rod Length is 10.00

Last Rod Length is 10.00

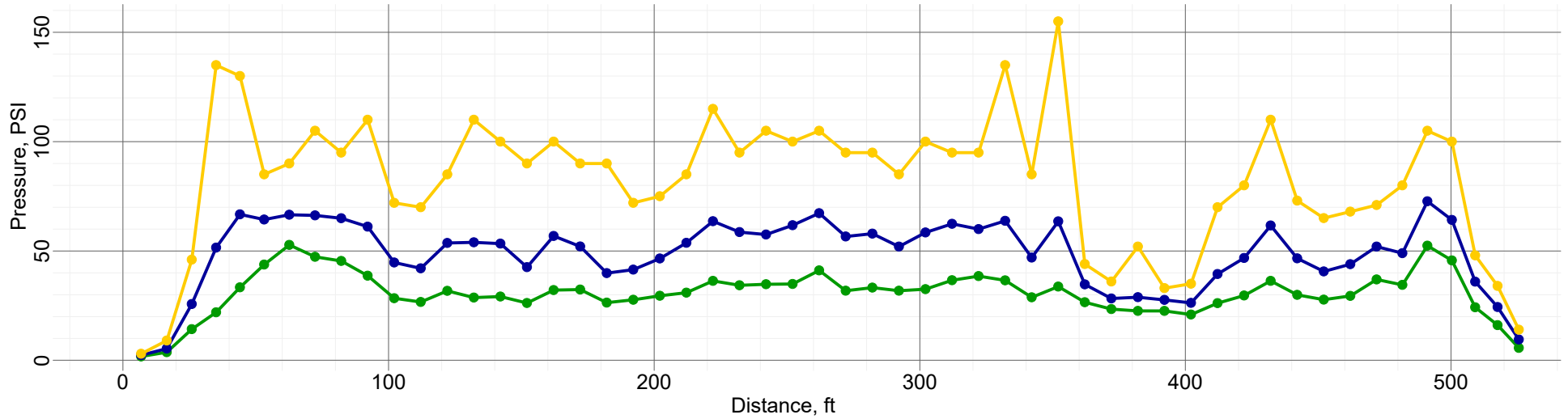
Total number of rods 54

## Drill Data

**Profile Chart**



**Pressure Chart**



## Drill Data Points

FLP(Front Locate) - LL(Locate Line) - PO(Pitch Only) - BL(No Data) - o(override) - f(filled in) - i[\*](interpolated)

| Rod ID | Type | Bore Len. | X Dist. | Pitch | Rel.Depth | Depth | Rel.Elev. | L/R Offset | Deviation | Latitude  | Longitude  | GNSS X Dist. |
|--------|------|-----------|---------|-------|-----------|-------|-----------|------------|-----------|-----------|------------|--------------|
| 0      | PO   | 0.00      | 0.00    | -15.5 | 0.00      |       | 0.00      | N/A        | N/A       |           |            |              |
| 1      | LL   | 7.00      | 6.88    | -21.5 | -1.27     | 1.72  | 0.45      | N/A        | N/A       | 44.937951 | -95.697217 | 7.13         |
| 2      | LL   | 17.00     | 16.55   | -32.0 | -3.85     | 5.45  | 1.60      | N/A        | N/A       | 44.937935 | -95.697110 | 17.68        |
| 3      | LL   | 27.00     | 25.96   | -40.0 | -7.23     | 10.17 | 2.94      | N/A        | N/A       | 44.937887 | -95.697189 | 28.58        |
| 4      | LL   | 37.00     | 35.11   | -48.0 | -11.26    | 15.62 | 4.37      | N/A        | N/A       | 44.937875 | -95.697220 | 39.88        |
| 5      | LL   | 47.00     | 44.09   | -50.0 | -15.66    | 20.85 | 5.19      | N/A        | N/A       | 44.937833 | -95.697239 | 50.69        |
| 6      | LL   | 57.00     | 53.21   | -40.0 | -19.75    | 24.55 | 4.80      | N/A        | N/A       | 44.937814 | -95.697210 | 59.54        |
| 7      | LL   | 67.00     | 62.65   | -30.0 | -23.05    | 27.19 | 4.14      | N/A        | N/A       | 44.937784 | -95.697223 | 67.99        |
| 8      | LL   | 77.00     | 72.35   | -21.0 | -25.52    | 29.12 | 3.61      | N/A        | N/A       | 44.937758 | -95.697230 | 76.38        |
| 9      | LL   | 87.00     | 82.22   | -11.5 | -27.12    | 30.10 | 2.99      | N/A        | N/A       | 44.937732 | -95.697225 | 84.52        |
| 10     | LL   | 97.00     | 92.17   | -8.0  | -28.09    | 31.49 | 3.40      | N/A        | N/A       | 44.937714 | -95.697230 | 93.85        |
| 11     | LL   | 107.00    | 102.16  | -0.5  | -28.51    | 31.67 | 3.16      | N/A        | N/A       | 44.937689 | -95.697224 | 102.27       |
| 12     | LL   | 117.00    | 112.16  | 0.5   | -28.51    | 31.49 | 2.98      | N/A        | N/A       | 44.937658 | -95.697228 | 112.06       |
| 13     | LL   | 127.00    | 122.16  | -0.4  | -28.51    | 29.60 | 1.10      | N/A        | N/A       | 44.937627 | -95.697217 | 122.24       |
| 14     | LL   | 137.00    | 132.16  | -1.1  | -28.58    | 25.30 | -3.28     | N/A        | N/A       | 44.937590 | -95.697272 | 132.35       |
| 15     | LL   | 147.00    | 142.16  | -0.4  | -28.66    | 24.16 | -4.50     | N/A        | N/A       | 44.937537 | -95.697228 | 142.22       |
| 16     | LL   | 157.00    | 152.16  | -1.5  | -28.75    | 23.20 | -5.55     | N/A        | N/A       | 44.937522 | -95.697223 | 152.39       |
| 17     | LL   | 167.00    | 162.16  | -2.6  | -28.96    | 22.95 | -6.00     | N/A        | N/A       | 44.937496 | -95.697224 | 162.55       |
| 18     | LL   | 177.00    | 172.16  | -0.6  | -29.12    | 22.05 | -7.07     | N/A        | N/A       | 44.937469 | -95.697215 | 172.24       |
| 19     | LL   | 187.00    | 182.16  | -1.3  | -29.21    | 22.11 | -7.10     | N/A        | N/A       | 44.937480 | -95.697163 | 182.35       |
| 20     | LL   | 197.00    | 192.16  | -0.2  | -29.29    | 22.48 | -6.80     | N/A        | N/A       | 44.937415 | -95.697201 | 192.19       |
| 21     | LL   | 207.00    | 202.16  | 0.1   | -29.29    | 22.45 | -6.84     | N/A        | N/A       | 44.937390 | -95.697218 | 202.14       |
| 22     | LL   | 217.00    | 212.15  | 1.0   | -29.24    | 23.17 | -6.07     | N/A        | N/A       | 44.937357 | -95.697212 | 212.00       |
| 23     | LL   | 227.00    | 222.15  | -1.4  | -29.26    | 23.42 | -5.83     | N/A        | N/A       | 44.937336 | -95.697208 | 222.37       |
| 24     | LL   | 237.00    | 232.15  | 0.9   | -29.28    | 23.31 | -5.97     | N/A        | N/A       | 44.937301 | -95.697209 | 232.02       |
| 25     | LL   | 247.00    | 242.15  | -2.2  | -29.35    | 23.51 | -5.84     | N/A        | N/A       | 44.937283 | -95.697197 | 242.50       |
| 26     | LL   | 257.00    | 252.15  | -0.7  | -29.49    | 23.79 | -5.70     | N/A        | N/A       | 44.937195 | -95.697219 | 252.26       |
| 27     | LL   | 267.00    | 262.15  | 0.9   | -29.48    | 23.71 | -5.77     | N/A        | N/A       | 44.937224 | -95.697204 | 262.01       |
| 28     | LL   | 277.00    | 272.15  | 0.8   | -29.40    | 23.49 | -5.90     | N/A        | N/A       | 44.937250 | -95.697169 | 272.03       |
| 29     | LL   | 287.00    | 282.15  | -0.5  | -29.38    | 23.29 | -6.09     | N/A        | N/A       | 44.937103 | -95.697215 | 282.23       |
| 30     | LL   | 297.00    | 292.15  | 0.3   | -29.39    | 23.20 | -6.19     | N/A        | N/A       | 44.937212 | -95.697176 | 292.11       |
| 31     | LL   | 307.00    | 302.15  | -1.9  | -29.47    | 22.70 | -6.78     | N/A        | N/A       | 44.937108 | -95.697203 | 302.44       |
| 32     | LL   | 317.00    | 312.15  | 0.0   | -29.57    | 22.67 | -6.90     | N/A        | N/A       | 44.937067 | -95.697195 | 312.15       |
| 33     | LL   | 327.00    | 322.15  | 1.1   | -29.51    | 22.59 | -6.93     | N/A        | N/A       | 44.937066 | -95.697200 | 321.99       |
| 34     | LL   | 337.00    | 332.15  | -0.5  | -29.48    | 22.48 | -7.00     | N/A        | N/A       | 44.937014 | -95.697187 | 332.23       |
| 35     | LL   | 347.00    | 342.15  | -0.5  | -29.53    | 22.40 | -7.14     | N/A        | N/A       | 44.936999 | -95.697191 | 342.23       |
| 36     | LL   | 357.00    | 352.15  | 3.6   | -29.38    | 22.31 | -7.07     | N/A        | N/A       | 44.936982 | -95.697193 | 351.62       |
| 37     | LL   | 367.00    | 362.15  | 2.3   | -29.08    | 21.91 | -7.17     | N/A        | N/A       | 44.936948 | -95.697203 | 361.81       |
| 38     | LL   | 377.00    | 372.14  | 4.6   | -28.74    | 21.52 | -7.21     | N/A        | N/A       | 44.936924 | -95.697205 | 371.48       |
| 39     | LL   | 387.00    | 382.13  | 3.4   | -28.34    | 21.36 | -6.97     | N/A        | N/A       | 44.936916 | -95.697196 | 381.65       |
| 40     | LL   | 397.00    | 392.13  | 2.3   | -28.05    | 21.04 | -7.01     | N/A        | N/A       | 44.936869 | -95.697212 | 391.81       |

FLP(Front Locate) - LL(Locate Line) - PO(Pitch Only) - BL(No Data) - o(override) - f(filled in) - i[\*](interpolated)

| Rod ID | Type | Bore Len. | X Dist. | Pitch | Rel.Depth | Depth | Rel.Elev. | L/R Offset | Deviation | Latitude  | Longitude  | GNSS X Dist. |
|--------|------|-----------|---------|-------|-----------|-------|-----------|------------|-----------|-----------|------------|--------------|
| 41     | LL   | 407.00    | 402.12  | 3.8   | -27.75    | 20.61 | -7.14     | N/A        | N/A       | 44.936862 | -95.697194 | 401.60       |
| 42     | LL   | 417.00    | 412.12  | 0.5   | -27.53    | 20.35 | -7.19     | N/A        | N/A       | 44.936814 | -95.697207 | 412.05       |
| 43     | LL   | 427.00    | 422.12  | 0.4   | -27.49    | 20.52 | -6.97     | N/A        | N/A       | 44.936784 | -95.697200 | 422.07       |
| 44     | LL   | 437.00    | 432.12  | -1.3  | -27.53    | 20.41 | -7.12     | N/A        | N/A       | 44.936753 | -95.697209 | 432.30       |
| 45     | LL   | 447.00    | 442.12  | -1.7  | -27.68    | 20.62 | -7.06     | N/A        | N/A       | 44.936729 | -95.697206 | 442.35       |
| 46     | LL   | 457.00    | 452.12  | 0.1   | -27.76    | 20.95 | -6.81     | N/A        | N/A       | 44.936708 | -95.697235 | 452.11       |
| 47     | LL   | 467.00    | 462.11  | 9.5   | -27.28    | 20.39 | -6.89     | N/A        | N/A       | 44.936680 | -95.697214 | 460.82       |
| 48     | LL   | 477.00    | 472.01  | 19.5  | -25.85    | 19.31 | -6.55     | N/A        | N/A       | 44.936651 | -95.697211 | 469.52       |
| 49     | LL   | 487.00    | 481.69  | 32.0  | -23.37    | 18.43 | -4.94     | N/A        | N/A       | 44.936636 | -95.697196 | 477.85       |
| 50     | LL   | 497.00    | 491.13  | 38.0  | -20.07    | 16.31 | -3.75     | N/A        | N/A       | 44.936608 | -95.697135 | 487.12       |
| 51     | LL   | 507.00    | 500.32  | 48.0  | -16.12    | 13.78 | -2.34     | N/A        | N/A       | 44.936594 | -95.697198 | 496.12       |
| 52     | LL   | 517.00    | 509.13  | 60.0  | -11.38    | 10.88 | -0.50     | N/A        | N/A       | 44.936559 | -95.697224 | 505.08       |
| 53     | LL   | 527.00    | 517.51  | 70.0  | -5.94     | 4.70  | -1.24     | N/A        | N/A       | 44.936535 | -95.697193 | 515.52       |
| 54     | PO   | 537.00    | 525.52  | 80.0  | 0.06      |       | 4.76      | N/A        | N/A       |           |            |              |

## Pressure Data

Pressure Legend...

| Rod ID | X Dist. | Num Samples | Avg. Pres. | High Pres. | Max Pres. | Comment |
|--------|---------|-------------|------------|------------|-----------|---------|
| 0      | 0.00    | 0           | N/A        | N/A        | N/A       |         |
| 1      | 6.88    | 32          | 2          | 2          | 3         |         |
| 2      | 16.55   | 35          | 4          | 5          | 9         |         |
| 3      | 25.96   | 42          | 14         | 26         | 46        |         |
| 4      | 35.11   | 38          | 22         | 51         | 135       |         |
| 5      | 44.09   | 46          | 33         | 67         | 130       |         |
| 6      | 53.21   | 37          | 44         | 64         | 85        |         |
| 7      | 62.65   | 42          | 53         | 67         | 90        |         |
| 8      | 72.35   | 42          | 47         | 66         | 105       |         |
| 9      | 82.22   | 39          | 45         | 65         | 95        |         |
| 10     | 92.17   | 51          | 39         | 61         | 110       |         |
| 11     | 102.16  | 42          | 28         | 45         | 72        |         |
| 12     | 112.16  | 35          | 27         | 42         | 70        |         |
| 13     | 122.16  | 36          | 32         | 54         | 85        |         |
| 14     | 132.16  | 105         | 29         | 54         | 110       |         |
| 15     | 142.16  | 45          | 29         | 53         | 100       |         |
| 16     | 152.16  | 56          | 26         | 43         | 90        |         |
| 17     | 162.16  | 40          | 32         | 57         | 100       |         |
| 18     | 172.16  | 41          | 32         | 52         | 90        |         |
| 19     | 182.16  | 99          | 26         | 40         | 90        |         |
| 20     | 192.16  | 44          | 28         | 41         | 72        |         |
| 21     | 202.16  | 32          | 30         | 47         | 75        |         |
| 22     | 212.15  | 34          | 31         | 54         | 85        |         |
| 23     | 222.15  | 42          | 36         | 64         | 115       |         |
| 24     | 232.15  | 32          | 34         | 59         | 95        |         |
| 25     | 242.15  | 38          | 35         | 58         | 105       |         |
| 26     | 252.15  | 37          | 35         | 62         | 100       |         |
| 27     | 262.15  | 41          | 41         | 67         | 105       |         |
| 28     | 272.15  | 32          | 32         | 57         | 95        |         |
| 29     | 282.15  | 35          | 33         | 58         | 95        |         |
| 30     | 292.15  | 37          | 32         | 52         | 85        |         |
| 31     | 302.15  | 39          | 33         | 58         | 100       |         |
| 32     | 312.15  | 46          | 37         | 62         | 95        |         |
| 33     | 322.15  | 45          | 39         | 60         | 95        |         |
| 34     | 332.15  | 44          | 37         | 64         | 135       |         |
| 35     | 342.15  | 44          | 29         | 47         | 85        |         |
| 36     | 352.15  | 43          | 34         | 64         | 155       |         |
| 37     | 362.15  | 56          | 27         | 35         | 44        |         |
| 38     | 372.14  | 58          | 23         | 28         | 36        |         |
| 39     | 382.13  | 55          | 23         | 29         | 52        |         |
| 40     | 392.13  | 46          | 23         | 28         | 33        |         |

Pressure Legend...

| Rod ID | X Dist. | Num Samples | Avg. Pres. | High Pres. | Max Pres. | Comment |
|--------|---------|-------------|------------|------------|-----------|---------|
| 41     | 402.12  | 52          | 21         | 26         | 35        |         |
| 42     | 412.12  | 37          | 26         | 39         | 70        |         |
| 43     | 422.12  | 35          | 30         | 47         | 80        |         |
| 44     | 432.12  | 32          | 36         | 62         | 110       |         |
| 45     | 442.12  | 28          | 30         | 47         | 73        |         |
| 46     | 452.12  | 31          | 28         | 41         | 65        |         |
| 47     | 462.11  | 38          | 29         | 44         | 68        |         |
| 48     | 472.01  | 36          | 37         | 52         | 71        |         |
| 49     | 481.69  | 31          | 34         | 49         | 80        |         |
| 50     | 491.13  | 38          | 52         | 73         | 105       |         |
| 51     | 500.32  | 23          | 46         | 64         | 100       |         |
| 52     | 509.13  | 25          | 24         | 36         | 48        |         |
| 53     | 517.51  | 18          | 16         | 24         | 34        |         |
| 54     | 525.52  | 18          | 6          | 10         | 14        |         |