



DataLog® Drill Report

Job Information

Job Location:**Name:** MVH**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 53 on 08/17/2022. 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

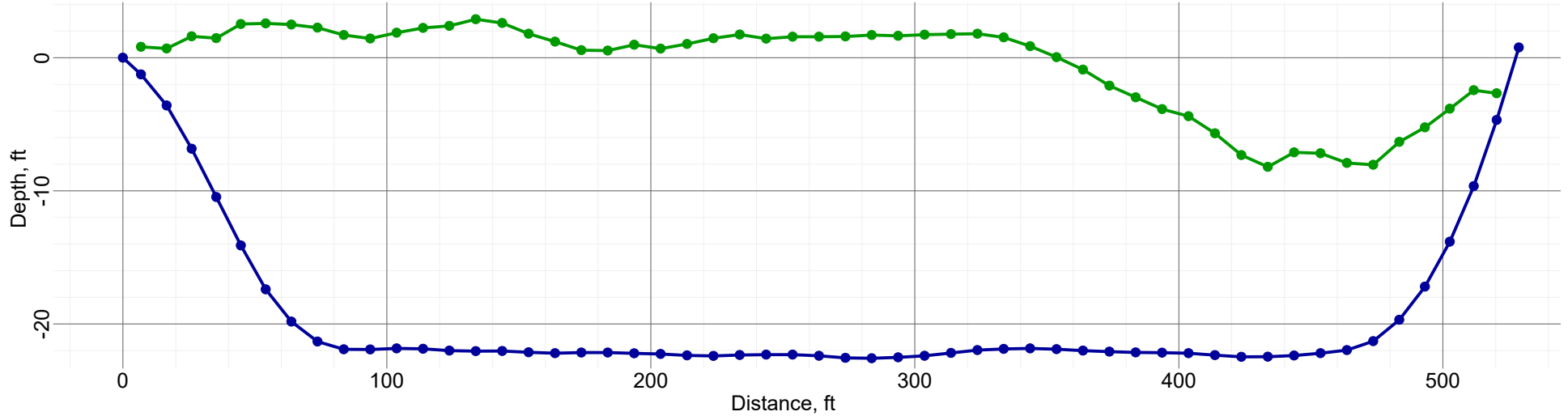
Typical Rod Length is 10.00

Last Rod Length is 10.00

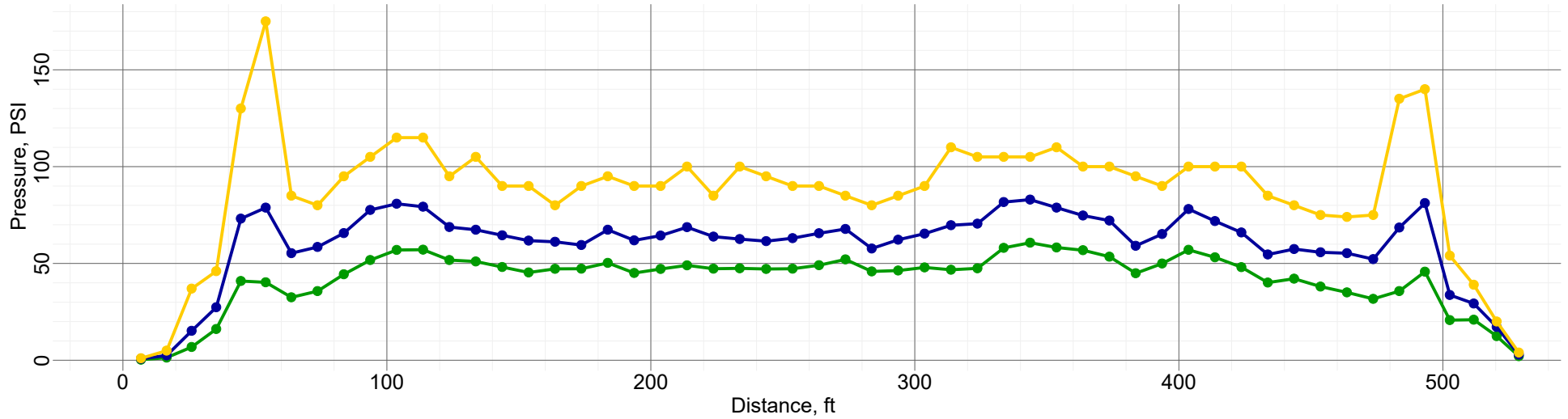
Total number of rods 54

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 | -17.5 | 0.00 | | 0.00 | N/A | N/A | | | |
| 1 | LL | 7.00 | 6.89 | -19.0 | -1.26 | 2.08 | 0.82 | N/A | N/A | 44.937939 | -95.697410 | 7.15 |
| 2 | LL | 17.00 | 16.61 | -29.0 | -3.59 | 4.27 | 0.69 | N/A | N/A | 44.937902 | -95.697412 | 17.42 |
| 3 | LL | 27.00 | 26.07 | -40.0 | -6.84 | 8.44 | 1.61 | N/A | N/A | 44.937874 | -95.697410 | 28.24 |
| 4 | LL | 37.00 | 35.38 | -38.0 | -10.47 | 11.94 | 1.47 | N/A | N/A | 44.937853 | -95.697409 | 38.32 |
| 5 | LL | 47.00 | 44.70 | -40.0 | -14.11 | 16.64 | 2.53 | N/A | N/A | 44.937717 | -95.697519 | 48.99 |
| 6 | LL | 57.00 | 54.14 | -30.0 | -17.40 | 19.98 | 2.57 | N/A | N/A | 44.937790 | -95.697416 | 58.06 |
| 7 | LL | 67.00 | 63.84 | -20.0 | -19.82 | 22.31 | 2.49 | N/A | N/A | 44.937803 | -95.697388 | 66.79 |
| 8 | LL | 77.00 | 73.73 | -10.5 | -21.33 | 23.59 | 2.26 | N/A | N/A | 44.937830 | -95.697351 | 75.38 |
| 9 | LL | 87.00 | 83.71 | -1.1 | -21.90 | 23.60 | 1.70 | N/A | N/A | 44.937691 | -95.697427 | 83.89 |
| 10 | LL | 97.00 | 93.71 | 0.8 | -21.92 | 23.35 | 1.44 | N/A | N/A | 44.937698 | -95.697405 | 93.59 |
| 11 | LL | 107.00 | 103.71 | 0.7 | -21.84 | 23.72 | 1.88 | N/A | N/A | 44.937669 | -95.697404 | 103.60 |
| 12 | LL | 117.00 | 113.71 | -1.2 | -21.87 | 24.11 | 2.24 | N/A | N/A | 44.937643 | -95.697397 | 113.91 |
| 13 | LL | 127.00 | 123.71 | -1.6 | -22.01 | 24.40 | 2.40 | N/A | N/A | 44.937603 | -95.697407 | 123.97 |
| 14 | LL | 137.00 | 133.71 | 0.8 | -22.05 | 24.94 | 2.89 | N/A | N/A | 44.937334 | -95.697503 | 133.58 |
| 15 | LL | 147.00 | 143.71 | -0.6 | -22.04 | 24.64 | 2.60 | N/A | N/A | 44.937383 | -95.697488 | 143.81 |
| 16 | LL | 157.00 | 153.71 | -1.2 | -22.13 | 23.93 | 1.80 | N/A | N/A | 44.937517 | -95.697403 | 153.90 |
| 17 | LL | 167.00 | 163.71 | -0.2 | -22.20 | 23.40 | 1.20 | N/A | N/A | 44.937674 | -95.697370 | 163.74 |
| 18 | LL | 177.00 | 173.71 | 1.1 | -22.15 | 22.71 | 0.56 | N/A | N/A | 44.937490 | -95.697392 | 173.55 |
| 19 | LL | 187.00 | 183.71 | -1.1 | -22.15 | 22.69 | 0.54 | N/A | N/A | 44.937454 | -95.697398 | 183.88 |
| 20 | LL | 197.00 | 193.71 | 0.0 | -22.21 | 23.18 | 0.97 | N/A | N/A | 44.937423 | -95.697388 | 193.71 |
| 21 | LL | 207.00 | 203.71 | -0.9 | -22.25 | 22.94 | 0.68 | N/A | N/A | 44.937394 | -95.697396 | 203.85 |
| 22 | LL | 217.00 | 213.71 | -1.4 | -22.37 | 23.40 | 1.03 | N/A | N/A | 44.937374 | -95.697393 | 213.93 |
| 23 | LL | 227.00 | 223.71 | 0.7 | -22.40 | 23.86 | 1.46 | N/A | N/A | 44.937400 | -95.697367 | 223.60 |
| 24 | LL | 237.00 | 233.71 | 0.6 | -22.34 | 24.08 | 1.74 | N/A | N/A | 44.937380 | -95.697371 | 233.61 |
| 25 | LL | 247.00 | 243.71 | 0.0 | -22.31 | 23.74 | 1.43 | N/A | N/A | 44.937365 | -95.697388 | 243.71 |
| 26 | LL | 257.00 | 253.71 | 0.1 | -22.30 | 23.88 | 1.58 | N/A | N/A | 44.937259 | -95.697397 | 253.69 |
| 27 | LL | 267.00 | 263.71 | -2.0 | -22.40 | 23.97 | 1.57 | N/A | N/A | 44.937237 | -95.697402 | 264.03 |
| 28 | LL | 277.00 | 273.71 | -1.1 | -22.55 | 24.15 | 1.59 | N/A | N/A | 44.937247 | -95.697380 | 273.89 |
| 29 | LL | 287.00 | 283.71 | 0.5 | -22.58 | 24.28 | 1.70 | N/A | N/A | 44.937178 | -95.697397 | 283.63 |
| 30 | LL | 297.00 | 293.71 | 0.9 | -22.51 | 24.16 | 1.65 | N/A | N/A | 44.937150 | -95.697399 | 293.56 |
| 31 | LL | 307.00 | 303.71 | 1.4 | -22.40 | 24.14 | 1.74 | N/A | N/A | 44.937235 | -95.697361 | 303.48 |
| 32 | LL | 317.00 | 313.71 | 3.0 | -22.18 | 23.95 | 1.77 | N/A | N/A | 44.937096 | -95.697392 | 313.23 |
| 33 | LL | 327.00 | 323.70 | 1.2 | -21.97 | 23.77 | 1.80 | N/A | N/A | 44.937070 | -95.697382 | 323.51 |
| 34 | LL | 337.00 | 333.70 | 0.6 | -21.88 | 23.41 | 1.53 | N/A | N/A | 44.937014 | -95.697412 | 333.61 |
| 35 | LL | 347.00 | 343.70 | 0.1 | -21.84 | 22.71 | 0.87 | N/A | N/A | 44.936934 | -95.697420 | 343.69 |
| 36 | LL | 357.00 | 353.70 | -1.1 | -21.89 | 21.93 | 0.04 | N/A | N/A | 44.936869 | -95.697427 | 353.86 |
| 37 | LL | 367.00 | 363.70 | -1.1 | -22.00 | 21.11 | -0.89 | N/A | N/A | 44.936999 | -95.697361 | 363.86 |
| 38 | LL | 377.00 | 373.70 | -0.5 | -22.08 | 19.99 | -2.10 | N/A | N/A | 44.936929 | -95.697387 | 373.77 |
| 39 | LL | 387.00 | 383.70 | -0.6 | -22.14 | 19.16 | -2.98 | N/A | N/A | 44.936871 | -95.697421 | 383.78 |
| 40 | LL | 397.00 | 393.70 | 0.1 | -22.16 | 18.30 | -3.87 | N/A | N/A | 44.936925 | -95.697320 | 393.69 |

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 | 403.70 | -0.8 | -22.20 | 17.80 | -4.39 | N/A | N/A | 44.936926 | -95.697287 | 403.80 |
| 42 | LL | 417.00 | 413.70 | -2.2 | -22.35 | 16.66 | -5.68 | N/A | N/A | 44.936825 | -95.697383 | 413.94 |
| 43 | LL | 427.00 | 423.70 | -0.3 | -22.47 | 15.16 | -7.32 | N/A | N/A | 44.936845 | -95.697341 | 423.73 |
| 44 | LL | 437.00 | 433.70 | 0.5 | -22.46 | 14.26 | -8.20 | N/A | N/A | 44.936666 | -95.697428 | 433.65 |
| 45 | LL | 447.00 | 443.70 | 1.3 | -22.37 | 15.27 | -7.11 | N/A | N/A | 44.936740 | -95.697389 | 443.57 |
| 46 | LL | 457.00 | 453.70 | 2.1 | -22.20 | 15.02 | -7.18 | N/A | N/A | 44.936713 | -95.697385 | 453.49 |
| 47 | LL | 467.00 | 463.69 | 2.6 | -21.97 | 14.06 | -7.91 | N/A | N/A | 44.936718 | -95.697368 | 463.45 |
| 48 | LL | 477.00 | 473.67 | 11.0 | -21.29 | 13.24 | -8.05 | N/A | N/A | 44.936609 | -95.697407 | 472.70 |
| 49 | LL | 487.00 | 483.54 | 21.5 | -19.69 | 13.37 | -6.33 | N/A | N/A | 44.936629 | -95.697393 | 481.65 |
| 50 | LL | 497.00 | 493.23 | 30.0 | -17.20 | 11.97 | -5.23 | N/A | N/A | 44.936612 | -95.697386 | 490.88 |
| 51 | LL | 507.00 | 502.64 | 42.0 | -13.82 | 10.00 | -3.83 | N/A | N/A | 44.936608 | -95.697365 | 499.94 |
| 52 | LL | 517.00 | 511.73 | 50.0 | -9.65 | 7.21 | -2.44 | N/A | N/A | 44.936565 | -95.697378 | 509.45 |
| 53 | LL | 527.00 | 520.41 | 65.0 | -4.68 | 2.01 | -2.68 | N/A | N/A | 44.936539 | -95.697371 | 519.61 |
| 54 | PO | 537.00 | 528.79 | 65.0 | 0.77 | | 2.77 | 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 | 6.89 | 34 | 0 | 1 | 1 | |
| 2 | 16.61 | 30 | 1 | 3 | 5 | |
| 3 | 26.07 | 24 | 7 | 15 | 37 | |
| 4 | 35.38 | 38 | 16 | 27 | 46 | |
| 5 | 44.70 | 28 | 41 | 73 | 130 | |
| 6 | 54.14 | 22 | 40 | 79 | 175 | |
| 7 | 63.84 | 27 | 32 | 55 | 85 | |
| 8 | 73.73 | 28 | 36 | 59 | 80 | |
| 9 | 83.71 | 23 | 44 | 66 | 95 | |
| 10 | 93.71 | 25 | 52 | 78 | 105 | |
| 11 | 103.71 | 33 | 57 | 81 | 115 | |
| 12 | 113.71 | 27 | 57 | 79 | 115 | |
| 13 | 123.71 | 29 | 52 | 69 | 95 | |
| 14 | 133.71 | 31 | 51 | 67 | 105 | |
| 15 | 143.71 | 29 | 48 | 65 | 90 | |
| 16 | 153.71 | 25 | 45 | 62 | 90 | |
| 17 | 163.71 | 25 | 47 | 61 | 80 | |
| 18 | 173.71 | 26 | 47 | 60 | 90 | |
| 19 | 183.71 | 28 | 50 | 67 | 95 | |
| 20 | 193.71 | 32 | 45 | 62 | 90 | |
| 21 | 203.71 | 26 | 47 | 64 | 90 | |
| 22 | 213.71 | 24 | 49 | 69 | 100 | |
| 23 | 223.71 | 34 | 47 | 64 | 85 | |
| 24 | 233.71 | 48 | 47 | 63 | 100 | |
| 25 | 243.71 | 35 | 47 | 62 | 95 | |
| 26 | 253.71 | 35 | 47 | 63 | 90 | |
| 27 | 263.71 | 27 | 49 | 66 | 90 | |
| 28 | 273.71 | 25 | 52 | 68 | 85 | |
| 29 | 283.71 | 36 | 46 | 58 | 80 | |
| 30 | 293.71 | 29 | 46 | 62 | 85 | |
| 31 | 303.71 | 39 | 48 | 65 | 90 | |
| 32 | 313.71 | 37 | 47 | 70 | 110 | |
| 33 | 323.70 | 31 | 47 | 71 | 105 | |
| 34 | 333.70 | 28 | 58 | 82 | 105 | |
| 35 | 343.70 | 32 | 61 | 83 | 105 | |
| 36 | 353.70 | 36 | 58 | 79 | 110 | |
| 37 | 363.70 | 28 | 57 | 75 | 100 | |
| 38 | 373.70 | 30 | 54 | 72 | 100 | |
| 39 | 383.70 | 32 | 45 | 59 | 95 | |
| 40 | 393.70 | 30 | 50 | 65 | 90 | |

Pressure Legend...

| Rod ID | X Dist. | Num Samples | Avg. Pres. | High Pres. | Max Pres. | Comment |
|--------|---------|-------------|------------|------------|-----------|---------|
| 41 | 403.70 | 36 | 57 | 78 | 100 | |
| 42 | 413.70 | 26 | 53 | 72 | 100 | |
| 43 | 423.70 | 37 | 48 | 66 | 100 | |
| 44 | 433.70 | 39 | 40 | 55 | 85 | |
| 45 | 443.70 | 30 | 42 | 57 | 80 | |
| 46 | 453.70 | 29 | 38 | 56 | 75 | |
| 47 | 463.69 | 31 | 35 | 55 | 74 | |
| 48 | 473.67 | 25 | 32 | 52 | 75 | |
| 49 | 483.54 | 27 | 36 | 69 | 135 | |
| 50 | 493.23 | 26 | 46 | 81 | 140 | |
| 51 | 502.64 | 20 | 21 | 34 | 54 | |
| 52 | 511.73 | 19 | 21 | 29 | 39 | |
| 53 | 520.41 | 18 | 12 | 17 | 20 | |
| 54 | 528.79 | 14 | 2 | 3 | 4 | |