



## DataLog® Drill Report

### Job Information

**Job Location:**

**Name:** MVH

**Contact:**

**Phone:**

**Address:** 2190 Willimas Ave.

**City:** Montevideo, MN, 56265

**Client Information:**

RJ Mechanical

**Contractor Information:**

Bergerson-Caswell, Inc.

David Henrich

763-479-3121

5115 Industrial Street

Maple Plain, MN, 55359

### Receiver/Job Information

52 data points collected on unit Serial Number: 30188000 in Job 54 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

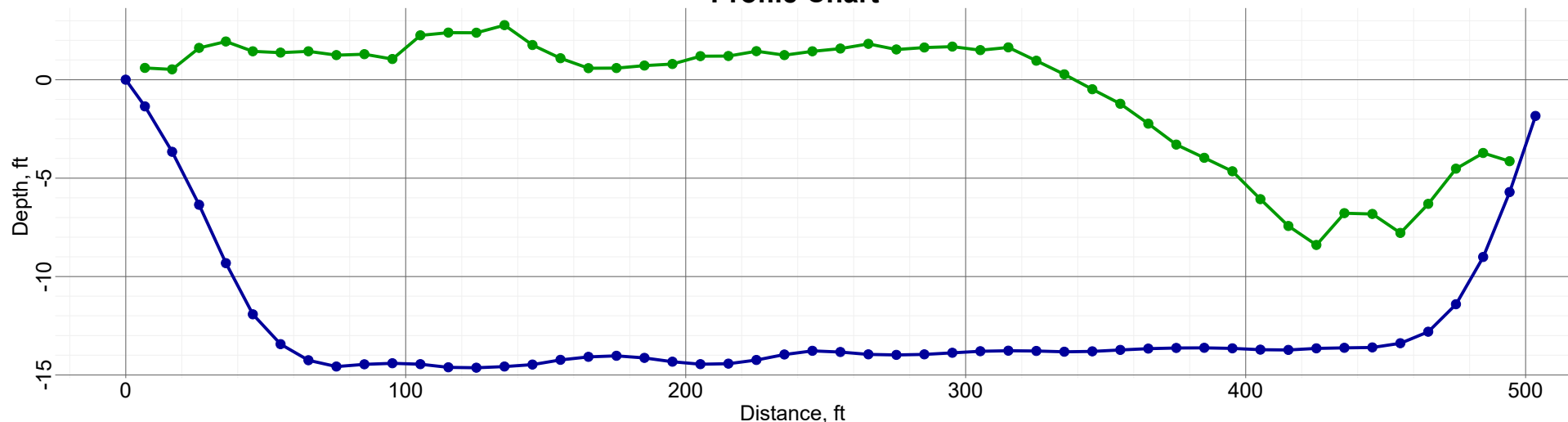
Typical Rod Length is 10.00

Last Rod Length is 10.00

Total number of rods 51

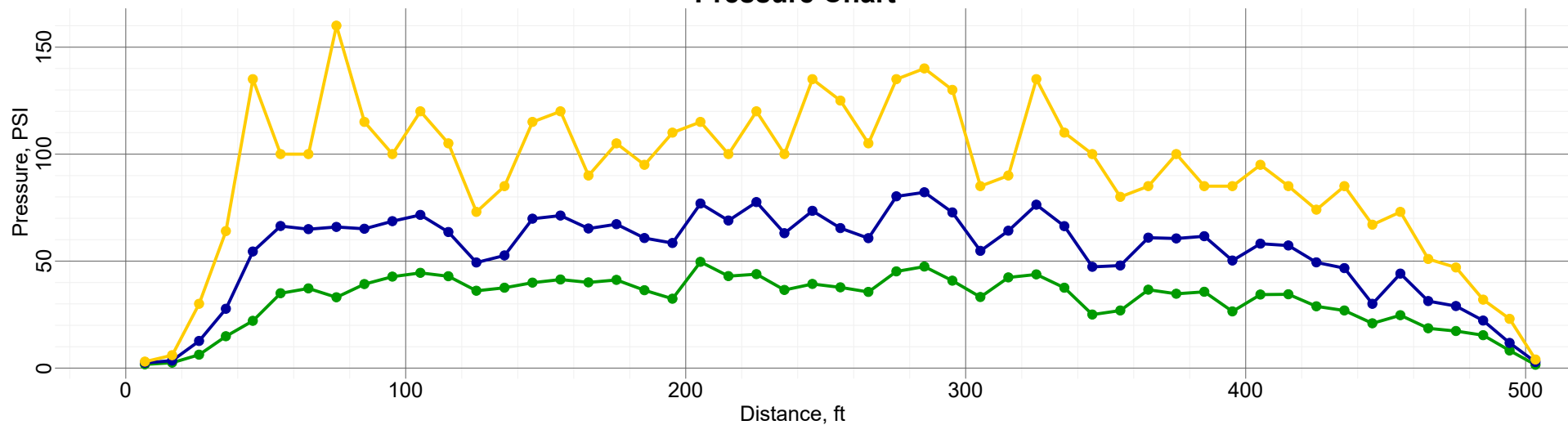
## Drill Data

**Profile Chart**



Blue: Drill Path -- Green: Calculated Terrain

**Pressure Chart**



Green: Average Pressure -- Blue: High Pressure -- Gold: Max Pressure

## 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	-18.0	0.00		0.00	N/A	N/A			
1	LL	7.00	6.87	-21.5	-1.36	1.95	0.60	N/A	N/A	44.937932	-95.697415	7.14
2	LL	17.00	16.60	-26.0	-3.67	4.19	0.52	N/A	N/A	44.937900	-95.697413	17.31
3	LL	27.00	26.23	-30.0	-6.36	7.97	1.61	N/A	N/A	44.937873	-95.697413	27.79
4	LL	37.00	35.78	-32.0	-9.32	11.26	1.94	N/A	N/A	44.937842	-95.697403	38.13
5	LL	47.00	45.43	-22.0	-11.92	13.36	1.44	N/A	N/A	44.937816	-95.697413	47.37
6	LL	57.00	55.32	-8.8	-13.44	14.82	1.38	N/A	N/A	44.937796	-95.697410	56.19
7	LL	67.00	65.29	-7.6	-14.26	15.70	1.44	N/A	N/A	44.937762	-95.697411	66.08
8	LL	77.00	75.28	1.2	-14.57	15.82	1.25	N/A	N/A	44.937738	-95.697410	75.15
9	LL	87.00	85.28	1.0	-14.46	15.76	1.30	N/A	N/A	44.937715	-95.697410	85.17
10	LL	97.00	95.28	0.1	-14.41	15.46	1.05	N/A	N/A	44.937690	-95.697404	95.27
11	LL	107.00	105.28	-1.0	-14.45	16.71	2.25	N/A	N/A	44.937608	-95.697430	105.39
12	LL	117.00	115.28	-2.3	-14.62	17.01	2.39	N/A	N/A	44.937627	-95.697401	115.54
13	LL	127.00	125.28	1.9	-14.64	17.02	2.38	N/A	N/A	44.937648	-95.697373	125.06
14	LL	137.00	135.28	-0.6	-14.57	17.35	2.77	N/A	N/A	44.937673	-95.697309	135.35
15	LL	147.00	145.28	2.5	-14.48	16.24	1.76	N/A	N/A	44.937523	-95.697393	145.01
16	LL	157.00	155.27	2.3	-14.24	15.33	1.09	N/A	N/A	44.937494	-95.697396	155.04
17	LL	167.00	165.27	0.8	-14.09	14.67	0.59	N/A	N/A	44.937464	-95.697387	165.20
18	LL	177.00	175.27	0.2	-14.04	14.63	0.59	N/A	N/A	44.937441	-95.697388	175.25
19	LL	187.00	185.27	-2.2	-14.14	14.85	0.72	N/A	N/A	44.937341	-95.697374	185.49
20	LL	197.00	195.27	-1.7	-14.33	15.13	0.80	N/A	N/A	44.937424	-95.697367	195.44
21	LL	207.00	205.27	-0.8	-14.45	15.65	1.20	N/A	N/A	44.937355	-95.697362	205.35
22	LL	217.00	215.27	1.3	-14.43	15.63	1.20	N/A	N/A	44.937333	-95.697393	215.13
23	LL	227.00	225.27	2.4	-14.24	15.70	1.45	N/A	N/A	44.937354	-95.697325	225.02
24	LL	237.00	235.26	3.2	-13.97	15.21	1.25	N/A	N/A	44.937273	-95.697395	234.94
25	LL	247.00	245.26	0.5	-13.78	15.23	1.44	N/A	N/A	44.937247	-95.697397	245.21
26	LL	257.00	255.26	-1.7	-13.84	15.42	1.58	N/A	N/A	44.937239	-95.697372	255.44
27	LL	267.00	265.26	-0.7	-13.96	15.78	1.82	N/A	N/A	44.937194	-95.697395	265.34
28	LL	277.00	275.26	0.2	-13.99	15.52	1.54	N/A	N/A	44.937162	-95.697392	275.24
29	LL	287.00	285.26	0.3	-13.96	15.60	1.64	N/A	N/A	44.937140	-95.697390	285.23
30	LL	297.00	295.26	1.3	-13.88	15.56	1.68	N/A	N/A	44.937108	-95.697393	295.13
31	LL	307.00	305.26	0.3	-13.80	15.30	1.50	N/A	N/A	44.937070	-95.697420	305.23
32	LL	317.00	315.26	0.2	-13.78	15.42	1.64	N/A	N/A	44.937052	-95.697395	315.24
33	LL	327.00	325.26	-0.4	-13.79	14.75	0.96	N/A	N/A	44.936969	-95.697439	325.30
34	LL	337.00	335.26	-0.4	-13.83	14.10	0.27	N/A	N/A	44.937003	-95.697388	335.30
35	LL	347.00	345.26	0.8	-13.81	13.32	-0.48	N/A	N/A	44.936972	-95.697393	345.19
36	LL	357.00	355.26	0.7	-13.73	12.51	-1.22	N/A	N/A	44.936942	-95.697398	355.20
37	LL	367.00	365.26	0.6	-13.67	11.43	-2.23	N/A	N/A	44.937094	-95.697322	365.21
38	LL	377.00	375.26	0.0	-13.64	10.33	-3.30	N/A	N/A	44.936890	-95.697383	375.26
39	LL	387.00	385.26	0.2	-13.63	9.65	-3.97	N/A	N/A	44.936914	-95.697371	385.25
40	LL	397.00	395.26	-0.8	-13.66	9.00	-4.66	N/A	N/A	44.936873	-95.697339	395.31

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	405.26	-0.5	-13.72	7.65	-6.07	N/A	N/A	44.936804	-95.697398	405.29
42	LL	417.00	415.26	0.2	-13.74	6.30	-7.44	N/A	N/A	44.936724	-95.697444	415.25
43	LL	427.00	425.26	1.4	-13.66	5.25	-8.40	N/A	N/A	44.936741	-95.697409	425.21
44	LL	437.00	435.26	-0.8	-13.63	6.84	-6.78	N/A	N/A	44.936728	-95.697374	435.30
45	LL	447.00	445.26	1.2	-13.61	6.78	-6.82	N/A	N/A	44.936694	-95.697375	445.21
46	LL	457.00	455.26	3.0	-13.40	5.60	-7.79	N/A	N/A	44.936672	-95.697390	455.15
47	LL	467.00	465.24	8.8	-12.81	6.50	-6.31	N/A	N/A	44.936644	-95.697384	464.86
48	LL	477.00	475.14	19.5	-11.41	6.88	-4.53	N/A	N/A	44.936617	-95.697384	474.25
49	LL	487.00	484.85	30.0	-9.01	5.29	-3.72	N/A	N/A	44.936594	-95.697386	483.81
50	LL	497.00	494.29	40.0	-5.72	1.57	-4.14	N/A	N/A	44.936536	-95.697388	493.89
51	PO	507.00	503.51	44.0	-1.84		-0.27	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	6.87	28	2	3	3	
2	16.60	56	3	4	6	
3	26.23	29	6	13	30	
4	35.78	42	15	28	64	
5	45.43	34	22	54	135	
6	55.32	26	35	66	100	
7	65.29	26	37	65	100	
8	75.28	35	33	66	160	
9	85.28	26	39	65	115	
10	95.28	30	43	69	100	
11	105.28	23	45	72	120	
12	115.28	27	43	64	105	
13	125.28	36	36	49	73	
14	135.28	32	38	53	85	
15	145.28	65	40	70	115	
16	155.27	33	41	71	120	
17	165.27	29	40	65	90	
18	175.27	31	41	67	105	
19	185.27	29	36	61	95	
20	195.27	37	32	58	110	
21	205.27	25	50	77	115	
22	215.27	26	43	69	100	
23	225.27	27	44	78	120	
24	235.26	28	37	63	100	
25	245.26	31	39	73	135	
26	255.26	27	38	65	125	
27	265.26	25	36	61	105	
28	275.26	28	45	80	135	
29	285.26	28	47	82	140	
30	295.26	25	41	73	130	
31	305.26	29	33	55	85	
32	315.26	30	42	64	90	
33	325.26	28	44	76	135	
34	335.26	33	38	66	110	
35	345.26	40	25	47	100	
36	355.26	28	27	48	80	
37	365.26	32	37	61	85	
38	375.26	29	35	61	100	
39	385.26	30	36	62	85	
40	395.26	30	26	50	85	

Pressure Legend...

Rod ID	X Dist.	Num Samples	Avg. Pres.	High Pres.	Max Pres.	Comment
41	405.26	28	34	58	95	
42	415.26	25	34	57	85	
43	425.26	28	29	49	74	
44	435.26	30	27	47	85	
45	445.26	207	21	30	67	
46	455.26	27	25	44	73	
47	465.24	26	19	31	51	
48	475.14	23	17	29	47	
49	484.85	20	15	22	32	
50	494.29	56	8	12	23	
51	503.51	25	2	3	4	