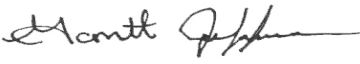


Injectivity Test

Location/Well ID	IRZ-29
Date	5/18/2020
Screened Interval Tested	Lower (92 to 121 feet bgs)
Packer Set Depth	87.5-91.5 feet btoc
Packer Seal Test	Confirmed packer to be watertight before test
Tests Conducted	Four-step injectivity test (7.5, 15, 22.5, and 30 gpm)
Purpose	Well performance test
Summary	Specific injectivity: 1.82 to 2.47 gpm/foot
Injection Water Source	Fresh water from construction water supply system
Notes	Water Level fluctuated rapidly during step 1. IM3 shutdown at 7:30 and back up at 9:30.
	IM3 shutdown during 2nd step of test. Water level fluctuated during step 2 of test.
	IM3 Start up during 2nd step of test.
	Fresh H2O tank was filled from 1400-1430, 1440-1443, 1448-1505 and 1543-1550.
Oversight Signature	
Date	7/31/2020

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gpm = gallons per minute

Injectivity Test

Location/Well ID	IRZ-29 Lower
Date	5/18/2020
Screened Interval	92 to 121 feet bgs
Injection Depth (feet btoc)	116.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.48
Initial Water Level Within 52 to 67 feet btoc	46.58
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9330.82
Approx Injected Volume (gal)	9330.82
Calculated Volume Purged (gal)	9385.56
Difference in Volume Pumped vs. Calculated	-54.74
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30 gpm

Step 1 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)
7:40:00	0.00	0.00	0.00	46.48	0.00
7:40:20	0.33	5.18	1.73	45.10	1.38
7:40:40	0.67	5.93	3.70	44.57	1.91
7:41:00	1.00	6.76	5.96	43.96	2.52
7:42:00	2.00	7.59	13.55	43.67	2.81
7:43:00	3.00	7.54	21.09	43.70	2.78
7:44:00	4.00	7.56	28.65	43.65	2.83
7:45:00	5.00	7.62	36.27	43.63	2.85
7:46:00	6.00	7.59	43.86	43.63	2.85
7:47:00	7.00	7.55	51.41	43.66	2.82
7:48:00	8.00	7.58	58.99	43.67	2.81
7:49:00	9.00	7.56	66.55	43.65	2.83
	-460.00	7.56	-3479.09	43.63	2.85
7:52:00	12.00	7.68	145.87	43.61	2.87
7:54:00	14.00	7.65	161.17	43.60	2.88
7:56:00	16.00	7.65	176.47	43.59	2.89
7:58:00	18.00	7.65	191.77	43.65	2.83
8:00:00	20.00	7.65	207.07	43.61	2.87
8:02:00	22.00	7.65	222.37	43.63	2.85
8:04:00	24.00	7.64	237.65	43.58	2.90
8:06:00	26.00	7.56	252.77	43.62	2.86
8:08:00	28.00	7.56	267.89	43.66	2.82
8:10:00	30.00	7.56	283.01	43.64	2.84
8:15:00	35.00	7.54	320.71	43.62	2.86
8:20:00	40.00	7.56	358.51	43.61	2.87
8:25:00	45.00	7.56	396.31	43.63	2.85
8:30:00	50.00	7.56	434.11	43.62	2.86
8:35:00	55.00	7.54	471.81	43.50	2.98
8:40:00	60.00	7.54	509.51	43.63	2.85
8:50:00	70.00	7.50	584.51	43.62	2.86
9:00:00	80.00	7.50	659.51	43.59	2.89
9:10:00	90.00	7.39	733.41	43.61	2.87
9:20:00	100.00	7.40	807.41	43.51	2.97
9:30:00	110.00	7.54	882.81	43.47	3.01
9:40:00	120.00	7.53	958.11	43.47	3.01
Total Volume Injected During Step (gal):			958.11		
Average Injection Rate (gpm):			7.42		
Specific Injectivity (gpm/foot):			2.47		

Injectivity Test

Location/Well ID	IRZ-29 Lower
Date	5/18/2020
Screened Interval	92 to 121 feet bgs
Injection Depth (feet btoc)	116.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.48
Initial Water Level Within 52 to 67 feet btoc	46.58
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9330.82
Approx Injected Volume (gal)	9330.82
Calculated Volume Purged (gal)	9385.56
Difference in Volume Pumped vs. Calculated	-54.74
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30 gpm

Step 2 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 2 Start (min)
9:40:20	120.33	12.85	962.39	40.40	6.08	0.33
9:40:40	120.67	15.49	967.55	40.24	6.24	0.67
9:41:00	121.00	15.08	972.58	40.32	6.16	1.00
9:42:00	122.00	15.02	987.60	40.32	6.16	2.00
9:43:00	123.00	15.14	1002.74	39.71	6.77	3.00
9:44:00	124.00	15.14	1017.88	39.06	7.42	4.00
9:45:00	125.00	15.14	1033.02	39.22	7.26	5.00
9:46:00	126.00	15.12	1048.14	38.64	7.84	6.00
9:47:00	127.00	15.14	1063.28	38.70	7.78	7.00
9:48:00	128.00	15.14	1078.42	38.92	7.56	8.00
9:49:00	129.00	15.14	1093.56	38.94	7.54	9.00
9:50:00	130.00	15.14	1108.70	39.20	7.28	10.00
9:52:00	132.00	15.14	1138.98	38.55	7.93	12.00
9:54:00	134.00	15.14	1169.26	39.50	6.98	14.00
9:56:00	136.00	15.14	1199.54	38.95	7.53	16.00
9:58:00	138.00	15.14	1229.82	38.85	7.63	18.00
10:00:00	140.00	15.14	1260.10	39.00	7.48	20.00
10:02:00	142.00	15.14	1290.38	38.55	7.93	22.00
10:04:00	144.00	15.14	1320.66	39.05	7.43	24.00
10:06:00	146.00	15.15	1350.96	38.31	8.17	26.00
10:08:00	148.00	15.24	1381.44	39.61	6.87	28.00
10:10:00	150.00	15.15	1411.74	39.55	6.93	30.00
10:15:00	155.00	15.14	1487.44	39.57	6.91	35.00
10:20:00	160.00	15.15	1563.19	39.12	7.36	40.00
10:25:00	165.00	15.14	1638.89	38.62	7.86	45.00
10:30:00	170.00	15.12	1714.49	38.01	8.47	50.00
10:35:00	175.00	15.14	1790.19	39.44	7.04	55.00
10:40:00	180.00	15.16	1865.99	39.06	7.42	60.00
10:50:00	190.00	15.15	2017.49	39.09	7.39	70.00
11:00:00	200.00	15.14	2168.89	38.26	8.22	80.00
11:10:00	210.00	15.14	2320.29	38.55	7.93	90.00
11:20:00	220.00	15.14	2471.69	39.10	7.38	100.00
11:30:00	230.00	15.10	2622.69	38.60	7.88	110.00
11:40:00	240.00	15.09	2773.59	38.18	8.30	120.00
Total Volume Injected During Step (gal):			1815.48			
Average Injection Rate (gpm):			15.08			
Specific Injectivity (gpm/foot):			1.82			

Injectivity Test

Location/Well ID	IRZ-29 Lower
Date	5/18/2020
Screened Interval	92 to 121 feet bgs
Injection Depth (feet btoc)	116.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.48
Initial Water Level Within 52 to 67 feet btoc	46.58
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9330.82
Approx Injected Volume (gal)	9330.82
Calculated Volume Purged (gal)	9385.56
Difference in Volume Pumped vs. Calculated	-54.74
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30 gpm

Step 3 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 3 Start (min)
11:40:20	240.33	22.42	2781.06	35.69	10.79	0.33
11:40:40	240.67	22.32	2788.50	35.50	10.98	0.67
11:41:00	241.00	22.53	2796.01	36.29	10.19	1.00
11:42:00	242.00	22.58	2818.59	36.69	9.79	2.00
11:43:00	243.00	22.59	2841.18	36.68	9.80	3.00
11:44:00	244.00	22.59	2863.77	36.66	9.82	4.00
11:45:00	245.00	22.56	2886.33	36.66	9.82	5.00
11:46:00	246.00	22.56	2908.89	36.55	9.93	6.00
11:47:00	247.00	22.58	2931.47	36.64	9.84	7.00
11:48:00	248.00	22.58	2954.05	36.64	9.84	8.00
11:49:00	249.00	22.58	2976.63	36.63	9.85	9.00
11:50:00	250.00	22.54	2999.17	36.63	9.85	10.00
11:52:00	252.00	22.54	3044.25	36.61	9.87	12.00
11:54:00	254.00	22.56	3089.37	36.60	9.88	14.00
11:56:00	256.00	22.54	3134.45	36.59	9.89	16.00
11:58:00	258.00	22.53	3179.51	36.58	9.90	18.00
12:00:00	260.00	22.52	3224.55	36.58	9.90	20.00
12:02:00	262.00	22.50	3269.55	36.56	9.92	22.00
12:04:00	264.00	22.50	3314.55	36.57	9.91	24.00
12:06:00	266.00	22.50	3359.55	36.58	9.90	26.00
12:08:00	268.00	22.50	3404.55	36.53	9.95	28.00
12:10:00	270.00	22.50	3449.55	36.52	9.96	30.00
12:15:00	275.00	22.50	3562.05	36.49	9.99	35.00
12:20:00	280.00	22.46	3674.35	36.39	10.09	40.00
12:25:00	285.00	22.62	3787.45	36.37	10.11	45.00
12:30:00	290.00	22.62	3900.55	36.35	10.13	50.00
12:35:00	295.00	22.60	4013.55	36.33	10.15	55.00
12:40:00	300.00	22.59	4126.50	36.30	10.18	60.00
12:50:00	310.00	22.45	4351.00	36.31	10.17	70.00
13:00:00	320.00	22.42	4575.20	36.26	10.22	80.00
13:10:00	330.00	22.45	4799.70	36.23	10.25	90.00
13:20:00	340.00	22.42	5023.90	36.16	10.32	100.00
13:30:00	350.00	22.36	5247.50	36.14	10.34	110.00
13:40:00	360.00	22.36	5471.10	36.09	10.39	120.00
Total Volume Injected During Step (gal):			2697.51			
Average Injection Rate (gpm):			22.51			
Specific Injectivity (gpm/foot):			2.17			

Injectivity Test

Location/Well ID	IRZ-29 Lower
Date	5/18/2020
Screened Interval	92 to 121 feet bgs
Injection Depth (feet btoc)	116.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.48
Initial Water Level Within 52 to 67 feet btoc	46.58
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9330.82
Approx Injected Volume (gal)	9330.82
Calculated Volume Purged (gal)	9385.56
Difference in Volume Pumped vs. Calculated	-54.74
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30 gpm

Step 4 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 4 Start (min)
13:40:20	360.33	29.70	5481.00	32.72	13.76	0.33
13:40:40	360.67	30.19	5491.07	32.53	13.95	0.67
13:41:00	361.00	30.13	5501.11	32.55	13.93	1.00
13:42:00	362.00	30.14	5531.25	32.56	13.92	2.00
13:43:00	363.00	30.16	5561.41	32.53	13.95	3.00
13:44:00	364.00	30.14	5591.55	32.53	13.95	4.00
13:45:00	365.00	30.11	5621.66	32.53	13.95	5.00
13:46:00	366.00	30.11	5651.77	32.51	13.97	6.00
13:47:00	367.00	30.11	5681.88	32.50	13.98	7.00
13:48:00	368.00	30.11	5711.99	32.49	13.99	8.00
13:49:00	369.00	30.11	5742.10	32.48	14.00	9.00
13:50:00	370.00	30.13	5772.23	32.47	14.01	10.00
13:52:00	372.00	30.11	5832.45	32.43	14.05	12.00
13:54:00	374.00	30.14	5892.73	32.43	14.05	14.00
13:56:00	376.00	30.16	5953.05	32.42	14.06	16.00
13:58:00	378.00	30.16	6013.37	32.40	14.08	18.00
14:00:00	380.00	30.14	6073.65	32.38	14.10	20.00
14:02:00	382.00	30.16	6133.97	32.35	14.13	22.00
14:04:00	384.00	30.16	6194.29	32.32	14.16	24.00
14:06:00	386.00	30.16	6254.61	32.31	14.17	26.00
14:08:00	388.00	30.14	6314.89	32.31	14.17	28.00
14:10:00	390.00	30.16	6375.21	32.28	14.20	30.00
14:15:00	395.00	30.14	6525.91	32.24	14.24	35.00
14:20:00	400.00	30.19	6676.86	32.19	14.29	40.00
14:25:00	405.00	30.22	6827.96	32.17	14.31	45.00
14:30:00	410.00	30.04	6978.16	32.20	14.28	50.00
14:35:00	415.00	30.13	7128.81	32.18	14.30	55.00
14:40:00	420.00	30.13	7279.46	32.15	14.33	60.00
14:50:00	430.00	30.11	7580.56	32.13	14.35	70.00
15:00:00	440.00	30.08	7881.36	32.12	14.36	80.00
15:10:00	450.00	30.08	8182.16	32.11	14.37	90.00
15:20:00	460.00	30.08	8482.96	32.07	14.41	100.00
15:30:00	470.00	30.11	8784.06	32.04	14.44	110.00
15:40:00	480.00	30.05	9084.56	32.05	14.43	120.00
15:50:00	490.00	30.10	9385.56	32.00	14.48	130.00
15:51:00	491.00	0.00	9385.56	33.70	12.78	131.00

Injectivity Test

Location/Well ID	IRZ-29 Lower
Date	5/18/2020
Screened Interval	92 to 121 feet bgs
Injection Depth (feet btoc)	116.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.48
Initial Water Level Within 52 to 67 feet btoc	46.58
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9330.82
Approx Injected Volume (gal)	9330.82
Calculated Volume Purged (gal)	9385.56
Difference in Volume Pumped vs. Calculated	-54.74
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30 gpm

Step 4 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 4 Start (min)
15:52:00	492.00	0.00	9385.56	46.10	0.38	132.00
15:53:00	493.00	0.00	9385.56	46.09	0.39	133.00
15:54:00	494.00	0.00	9385.56	46.10	0.38	134.00
15:55:00	495.00	0.00	9385.56	46.11	0.37	135.00
15:56:00	496.00	0.00	9385.56	46.13	0.35	136.00
15:57:00	497.00	0.00	9385.56	46.13	0.35	137.00
15:58:00	498.00	0.00	9385.56	46.14	0.34	138.00
15:59:00	499.00	0.00	9385.56	46.15	0.33	139.00
16:00:00	500.00	0.00	9385.56	46.17	0.31	140.00
Total Volume Injected During Step (gal):			3914.46			
Average Injection Rate (gpm):			30.12			
Specific Injectivity (gpm/foot):			2.08			

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gal = gallons

gpm = gallons per minute

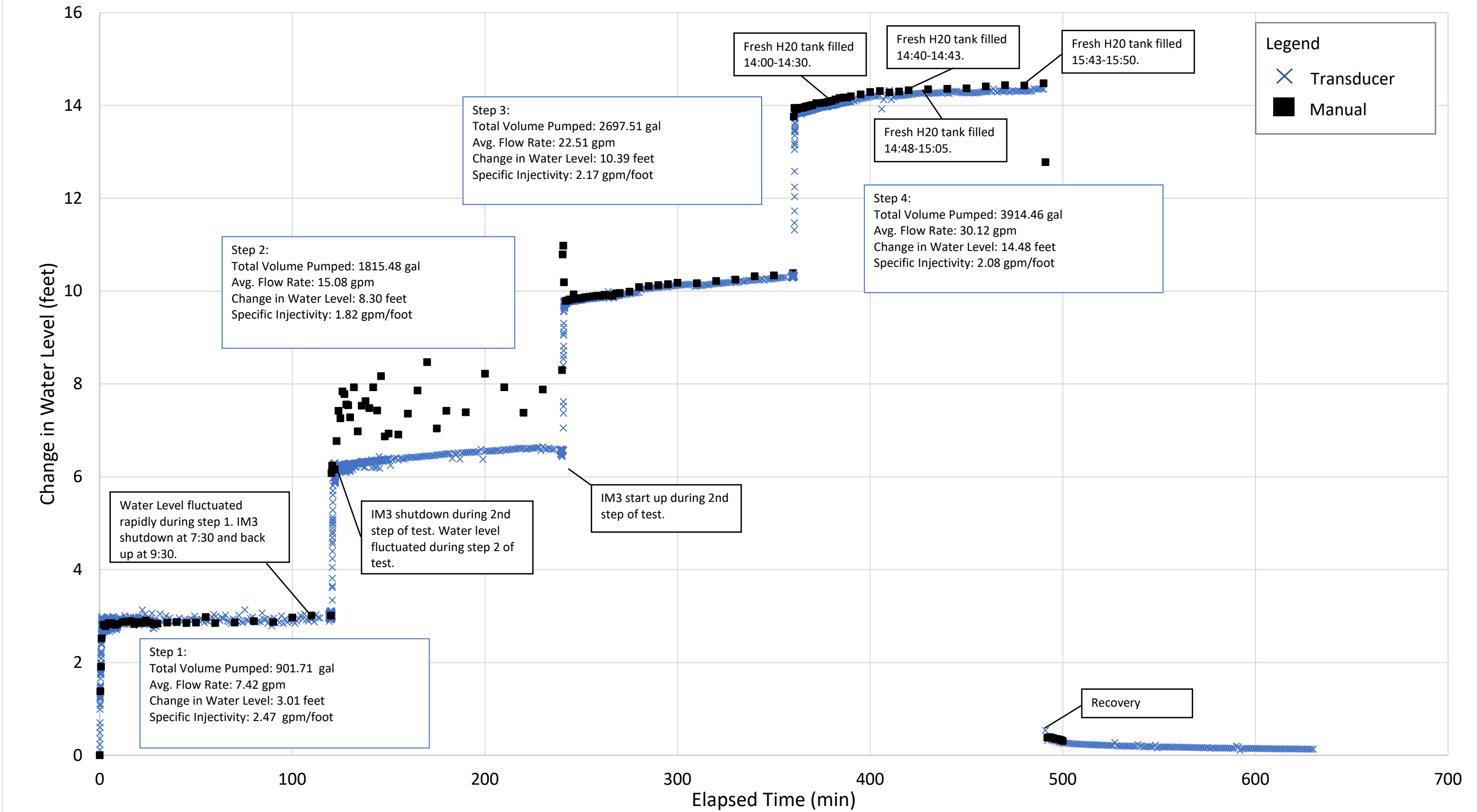
HR = hour

min = minutes

MN = minute

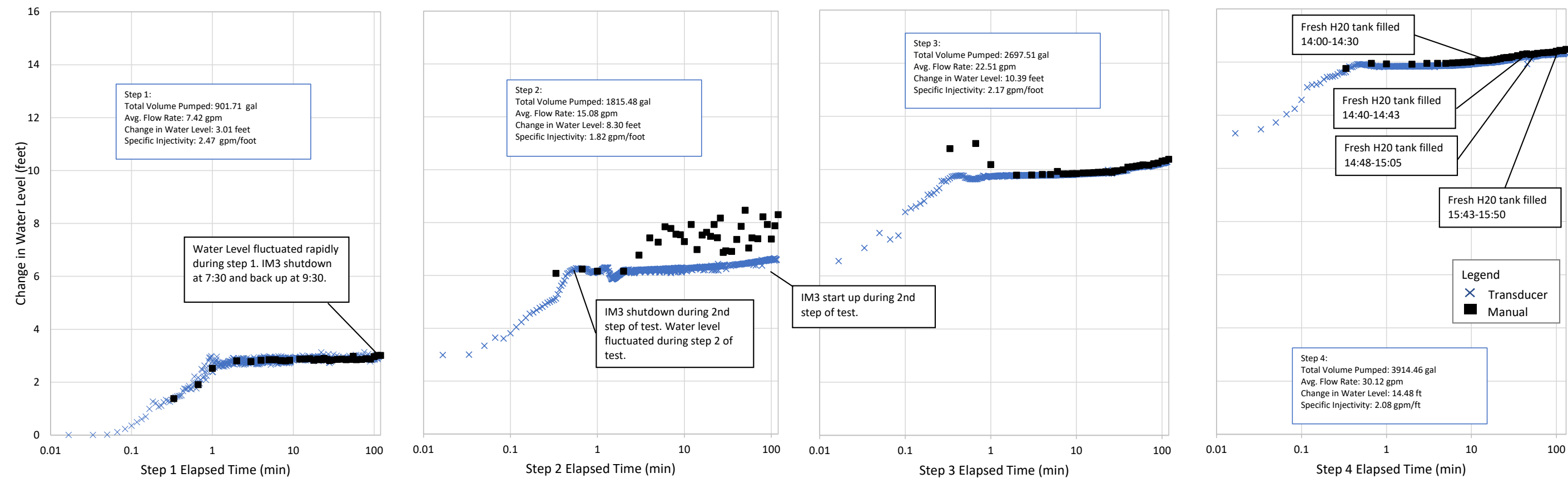
SEC = second

IRZ-29 Lower Screen (92 to 121 feet) Linear Change in Water Level Plot



Injectivity Test

IRZ-29 Lower Screen (92 to 121 feet) Semi-Log Change in Water Level Plot



Injectivity Test

Location/Well ID	MW-78-070
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:11	5/18/20 7:11	46.03
5/18/2020	8:13	5/18/20 8:13	46.01
5/18/2020	9:28	5/18/20 9:28	45.99
5/18/2020	10:15	5/18/20 10:15	45.76
5/18/2020	11:31	5/18/20 11:31	45.65
5/18/2020	12:21	5/18/20 12:21	45.78
5/18/2020	13:25	5/18/20 13:25	45.81
5/18/2020	14:14	5/18/20 14:14	45.81
5/18/2020	15:33	5/18/20 15:33	45.79
5/18/2020	16:10	5/18/20 16:10	45.83
5/19/2020	7:11	5/19/20 7:11	46.07
5/19/2020	8:04	5/19/20 8:04	46.07
5/19/2020	9:11	5/19/20 9:11	46.04
5/19/2020	10:05	5/19/20 10:05	46.01
5/19/2020	11:15	5/19/20 11:15	46.01
5/19/2020	12:15	5/19/20 12:15	45.99
5/19/2020	13:24	5/19/20 13:24	45.97
5/19/2020	14:17	5/19/20 14:17	45.97
5/19/2020	15:23	5/19/20 15:23	45.96
5/19/2020	15:59	5/19/20 15:59	45.97
5/20/2020	8:40	5/20/20 8:40	45.84

Acronyms & Abbreviations

bgs = below ground surface

Injectivity Test

Location/Well ID	MW-78-142
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:13	5/18/20 7:13	46.29
5/18/2020	8:12	5/18/20 8:12	46.26
5/18/2020	9:29	5/18/20 9:29	46.23
5/18/2020	10:13	5/18/20 10:13	45.50
5/18/2020	11:33	5/18/20 11:33	45.78
5/18/2020	12:19	5/18/20 12:19	46.01
5/18/2020	13:27	5/18/20 13:27	46.06
5/18/2020	14:13	5/18/20 14:13	46.06
5/18/2020	15:34	5/18/20 15:34	46.05
5/18/2020	16:09	5/18/20 16:09	46.15
5/19/2020	7:12	5/19/20 7:12	46.35
5/19/2020	8:03	5/19/20 8:03	46.32
5/19/2020	9:13	5/19/20 9:13	46.31
5/19/2020	10:04	5/19/20 10:04	46.29
5/19/2020	11:16	5/19/20 11:16	46.29
5/19/2020	12:13	5/19/20 12:13	46.28
5/19/2020	13:25	5/19/20 13:25	46.26
5/19/2020	14:16	5/19/20 14:16	46.26
5/19/2020	15:24	5/19/20 15:24	46.26
5/19/2020	16:01	5/19/20 16:01	46.29
5/20/2020	8:43	5/20/20 8:43	45.62

Acronyms & Abbreviations

bgs = below ground surface

Injectivity Test

Location/Well ID	IRZ-27
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	158 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:04	5/18/20 7:04	45.89
5/18/2020	8:11	5/18/20 8:11	45.84
5/18/2020	9:26	5/18/20 9:26	45.81
5/18/2020	10:12	5/18/20 10:12	45.59
5/18/2020	11:30	5/18/20 11:30	45.51
5/18/2020	12:22	5/18/20 12:22	45.58
5/18/2020	13:24	5/18/20 13:24	45.59
5/18/2020	14:12	5/18/20 14:12	45.55
5/18/2020	15:32	5/18/20 15:32	45.51
5/18/2020	16:07	5/18/20 16:07	45.65
5/19/2020	7:07	5/19/20 7:07	45.92
5/19/2020	8:02	5/19/20 8:02	45.90
5/19/2020	9:10	5/19/20 9:10	45.86
5/19/2020	10:03	5/19/20 10:03	45.81
5/19/2020	11:14	5/19/20 11:14	45.80
5/19/2020	12:12	5/19/20 12:12	45.75
5/19/2020	13:27	5/19/20 13:27	45.71
5/19/2020	14:14	5/19/20 14:14	45.69
5/19/2020	15:21	5/19/20 15:21	45.65
5/19/2020	15:56	5/19/20 15:56	45.71
5/20/2020	8:17	5/20/20 8:17	45.75

Acronyms & Abbreviations

bgs = below ground surface

Injectivity Test

Location/Well ID	MW-79-060
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:15	5/18/20 7:15	46.06
5/18/2020	8:17	5/18/20 8:17	46.02
5/18/2020	9:31	5/18/20 9:31	45.98
5/18/2020	10:18	5/18/20 10:18	45.92
5/18/2020	11:27	5/18/20 11:27	45.86
5/18/2020	12:25	5/18/20 12:25	45.80
5/18/2020	13:31	5/18/20 13:31	45.78
5/18/2020	14:19	5/18/20 14:19	45.72
5/18/2020	15:36	5/18/20 15:36	45.68
5/18/2020	16:04	5/18/20 16:04	45.69
5/19/2020	7:01	5/19/20 7:01	46.05
5/19/2020	8:03	5/19/20 8:03	46.02
5/19/2020	9:11	5/19/20 9:11	45.98
5/19/2020	10:06	5/19/20 10:06	45.92
5/19/2020	11:19	5/19/20 11:19	45.89
5/19/2020	12:18	5/19/20 12:18	45.81
5/19/2020	13:28	5/19/20 13:28	45.76
5/19/2020	14:22	5/19/20 14:22	45.75
5/19/2020	15:27	5/19/20 15:27	45.68
5/19/2020	15:59	5/19/20 15:59	45.69
5/20/2020	7:51	5/20/20 7:51	46.05

Acronyms & Abbreviations

bgs = below ground surface

Injectivity Test

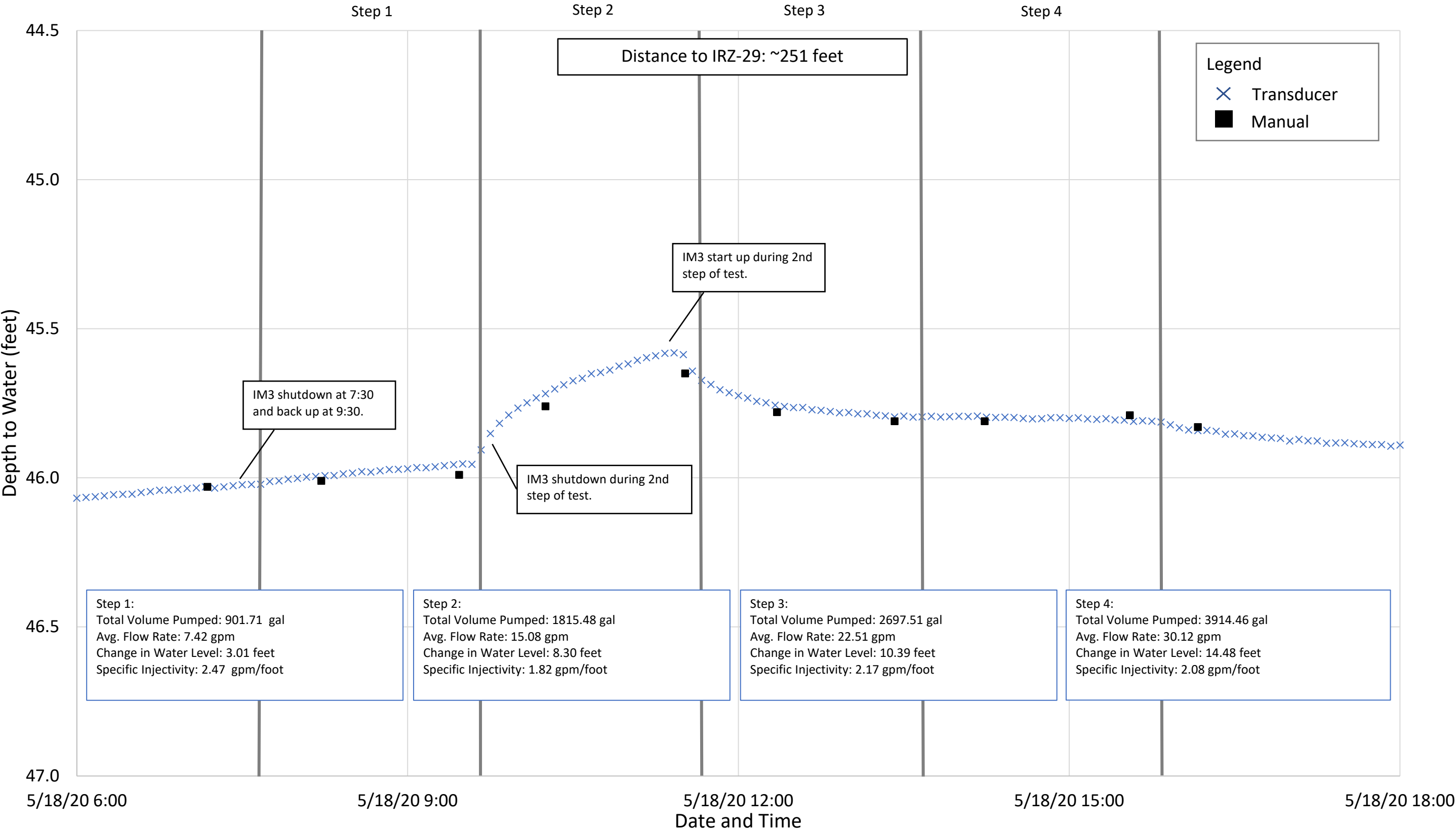
Location/Well ID	MW-79-104
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:15	5/18/20 7:15	45.90
5/18/2020	8:15	5/18/20 8:15	45.78
5/18/2020	9:33	5/18/20 9:33	45.74
5/18/2020	10:17	5/18/20 10:17	45.54
5/18/2020	11:28	5/18/20 11:28	45.46
5/18/2020	12:24	5/18/20 12:24	45.40
5/18/2020	13:32	5/18/20 13:32	45.37
5/18/2020	14:17	5/18/20 14:17	45.26
5/18/2020	15:38	5/18/20 15:38	45.20
5/18/2020	16:03	5/18/20 16:03	45.65
5/19/2020	7:02	5/19/20 7:02	45.91
5/19/2020	8:02	5/19/20 8:02	45.88
5/19/2020	9:12	5/19/20 9:12	45.85
5/19/2020	10:05	5/19/20 10:05	45.78
5/19/2020	11:20	5/19/20 11:20	45.77
5/19/2020	12:17	5/19/20 12:17	45.70
5/19/2020	13:29	5/19/20 13:29	45.65
5/19/2020	14:20	5/19/20 14:20	45.61
5/19/2020	15:29	5/19/20 15:29	45.60
5/19/2020	15:58	5/19/20 15:58	45.71
5/20/2020	7:40	5/20/20 7:40	45.89

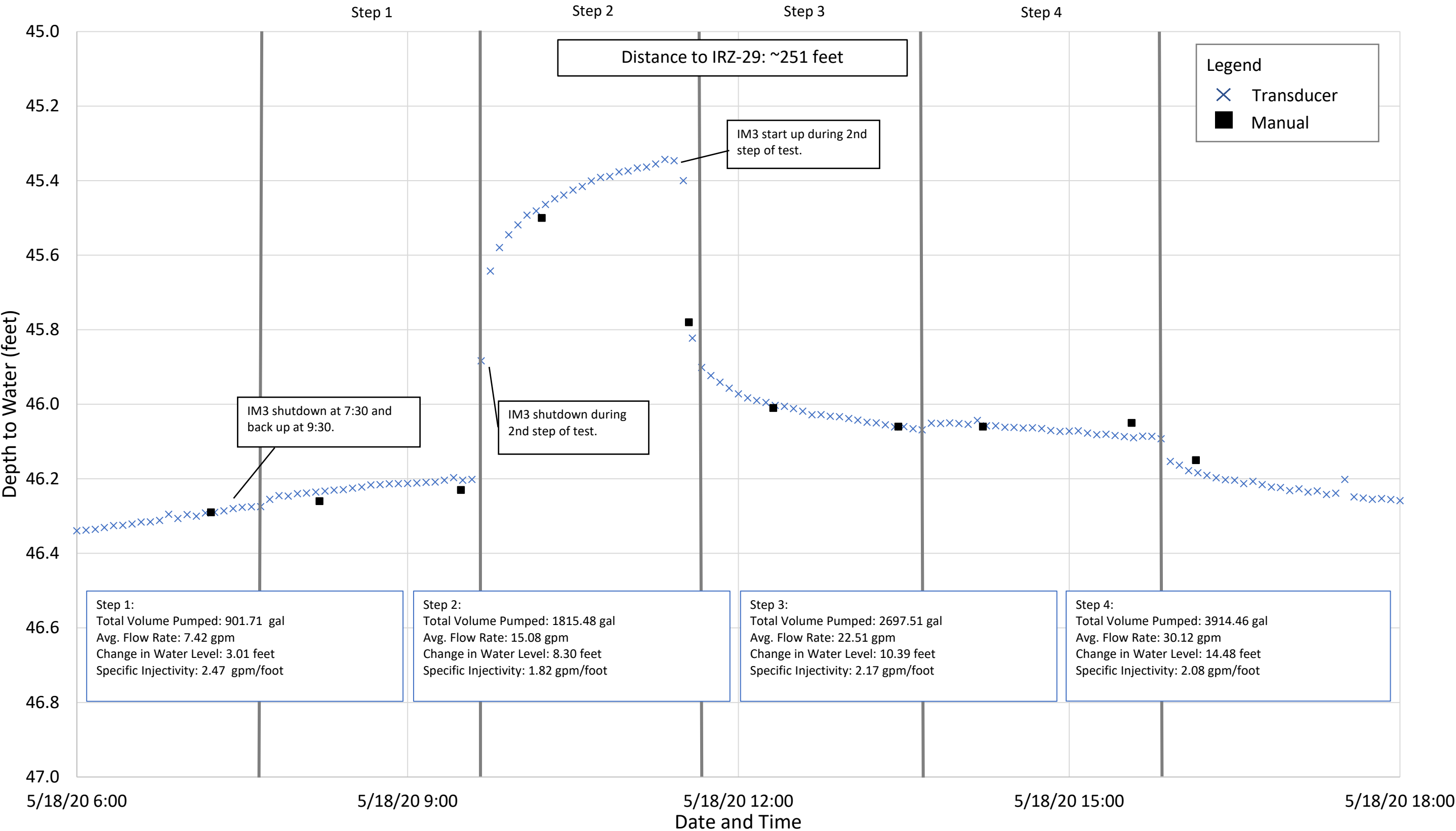
Acronyms & Abbreviations

bgs = below ground surface

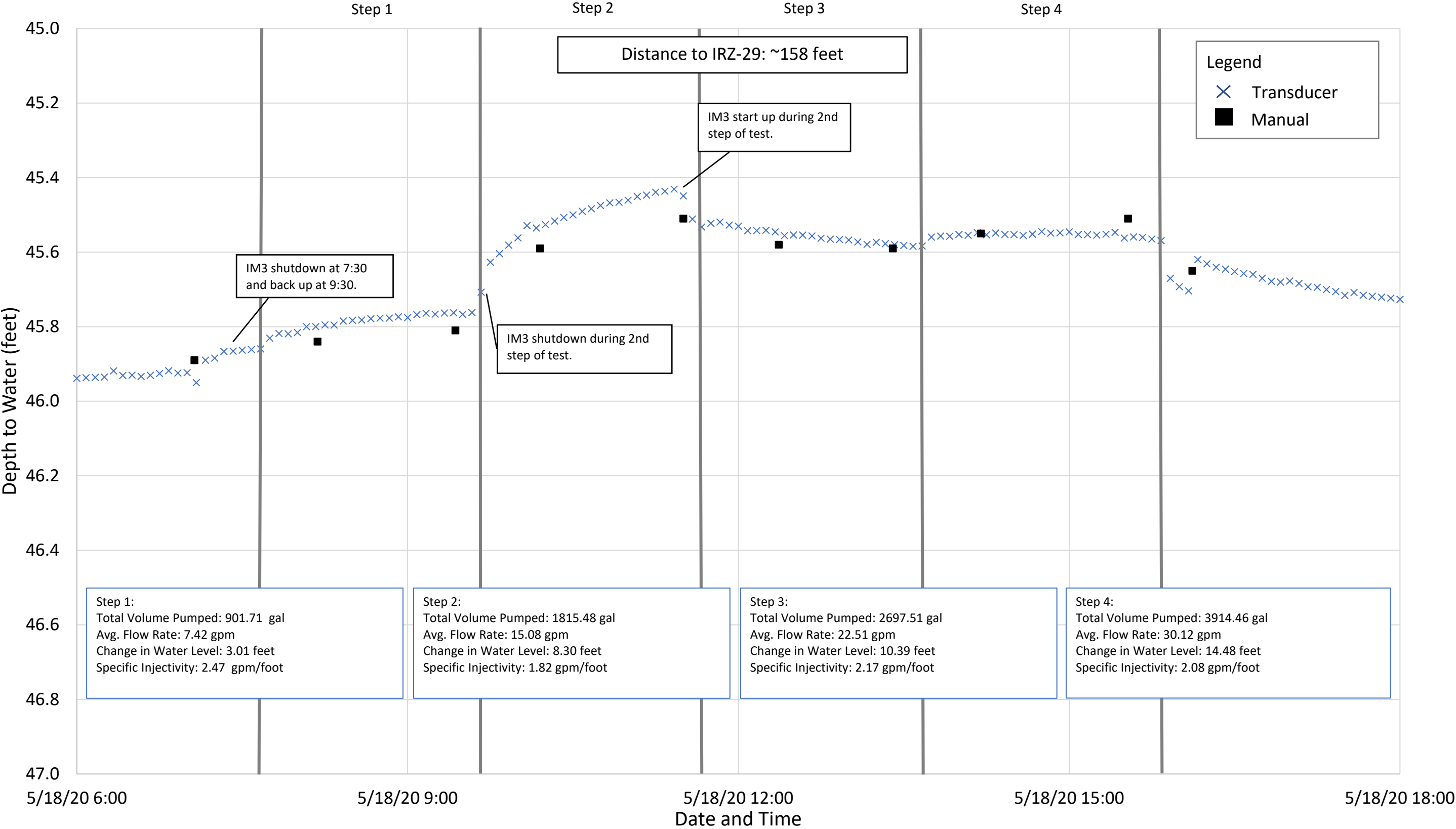
MW-78-070 During IRZ-29 Lower Screen (92 to 121 feet) Injectivity Test



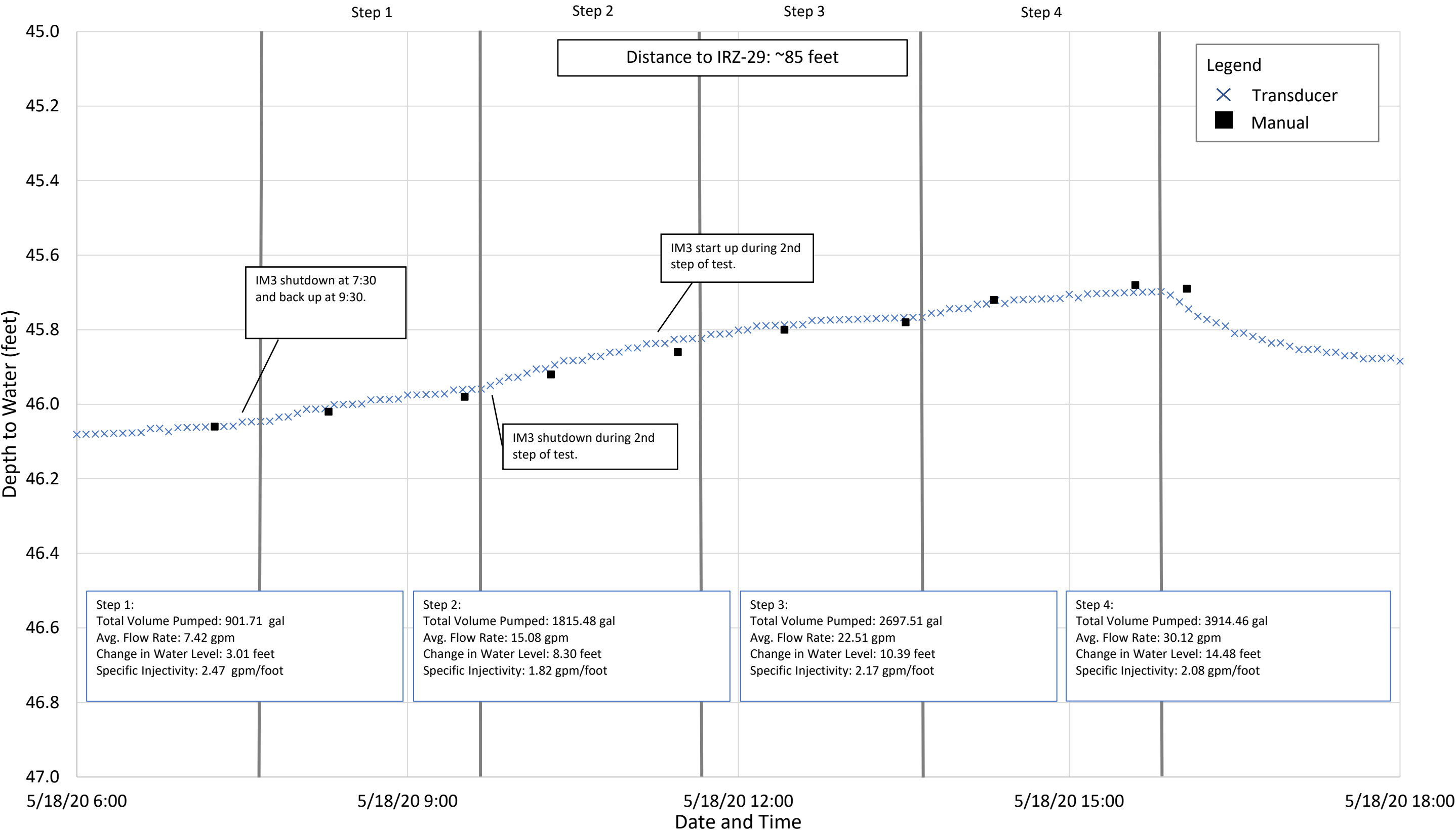
MW-78-142 During IRZ-29 Lower Screen (92 to 121 feet) Injectivity Test



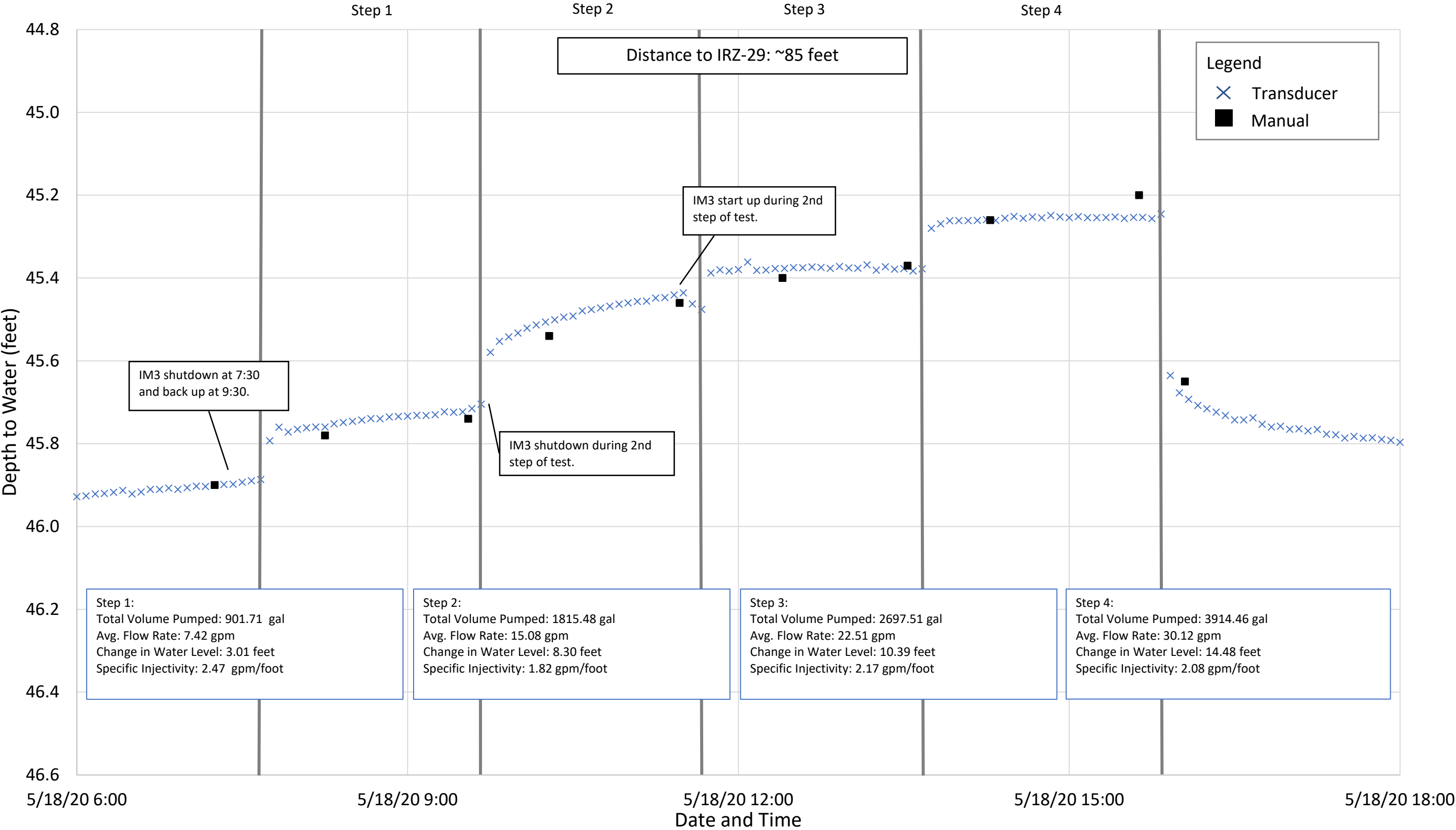
IRZ-27 During IRZ-29 Lower Screen (92 to 121 feet) Injectivity Test



MW-79-60 During IRZ-29 Lower Screen (92 to 121 feet) Injectivity Test



MW-79-104 During IRZ-29 Lower Screen (92 to 121 feet) Injectivity Test



Specific Capacity Testing

Location/Well ID	IRZ-29
Date	5/12/2020
Screened Interval Tested	Lower (92 to 121 feet bgs)
Packer Set Depth	87.5 to 91.5 feet btoc
Packer Seal Test	Confirmed packer to be watertight before test
Tests Conducted	Four-step specific capacity test (7.5, 15, 22.5 and 50 gpm)
Purpose	Well performance test
Summary	Specific capacity: 1.49 to 1.92 gpm/foot
Notes	
Oversight Signature	
Date	7/31/2020

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gpm = gallons per minute

Specific Capacity Test

Location/Well ID	IRZ-29 Lower
Date	5/12/2020
Screened Interval	92 to 121 feet bgs
Pump Depth (feet btoc)	118.33
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.57
Initial Water Level Within 48 to 77 feet btoc	46.55
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	11465.70
Approx Pumped Volume (gal)	11465.70
Calculated Volume Purged (gal)	11466.22
Difference in Volume Pumped vs. Calculated	0.52
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 50 gpm

Step 1 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time (min)	Pumping Rate (gpm)	Total Volume pumped (gal)	Depth to Water (feet)	Drawdown (feet)
10:00:00	0	0	0.00	0.00	46.57	0.00
10:00:20	0.3	0.33	25.38	8.46	53.00	6.43
10:00:40	0.3	0.67	10.20	11.86	52.25	5.68
10:01:00	0.3	1.00	8.90	14.83	51.00	4.43
10:02:00	1.0	2.00	7.41	22.24	50.70	4.13
10:03:00	1.0	3.00	7.58	29.82	50.79	4.22
10:04:00	1.0	4.00	7.68	37.50	50.84	4.27
10:05:00	1.0	5.00	7.58	45.08	50.78	4.21
10:06:00	1.0	6.00	7.41	52.49	50.69	4.12
10:07:00	1.0	7.00	7.60	60.09	50.80	4.23
10:08:00	1.0	8.00	7.64	67.73	50.84	4.27
10:09:00	1.0	9.00	7.64	75.37	50.84	4.27
10:10:00	1.0	10.00	7.63	83.00	50.82	4.25
10:12:00	2.0	12.00	7.61	98.22	50.82	4.25
10:14:00	2.0	14.00	7.61	113.44	50.82	4.25
10:16:00	2.0	16.00	7.51	128.46	50.76	4.19
10:18:00	2.0	18.00	7.68	143.82	50.93	4.36
10:20:00	2.0	20.00	7.77	159.36	50.91	4.34
10:22:00	2.0	22.00	7.76	174.88	50.91	4.34
10:24:00	2.0	24.00	7.76	190.40	50.90	4.33
10:26:00	2.0	26.00	7.76	205.92	50.90	4.33
10:28:00	2.0	28.00	7.74	221.40	50.90	4.33
10:30:00	2.0	30.00	7.76	236.92	50.90	4.33
10:35:00	5.0	35.00	7.76	275.72	50.92	4.35
10:40:00	5.0	40.00	7.76	314.52	50.91	4.34
10:45:00	5.0	45.00	7.74	353.22	50.90	4.33
10:50:00	5.0	50.00	7.76	392.02	50.90	4.33
10:55:00	5.0	55.00	7.76	430.82	50.90	4.33
11:00:00	5.0	60.00	7.76	469.62	50.90	4.33
11:10:00	10.0	70.00	7.76	547.22	50.90	4.33
11:20:00	10.0	80.00	7.74	624.62	50.89	4.32
11:30:00	10.0	90.00	7.74	702.02	50.89	4.32
11:40:00	10.0	100.00	7.74	779.42	50.89	4.32
11:50:00	10.0	110.00	7.74	856.82	50.89	4.32
12:00:00	10.0	120.00	7.74	934.22	50.89	4.32
Total Volume Pumped for Step 1 (gal)			934.22			
Average Pumping Rate (gpm)			8.31			
Specific Capacity (gpm/foot)			1.92			

Specific Capacity Test

Location/Well ID	IRZ-29 Lower
Date	5/12/2020
Screened Interval	92 to 121 feet bgs
Pump Depth (feet btoc)	118.33
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.57
Initial Water Level Within 48 to 77 feet btoc	46.55
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	11465.70
Approx Pumped Volume (gal)	11465.70
Calculated Volume Purged (gal)	11466.22
Difference in Volume Pumped vs. Calculated	0.52
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 50 gpm

Step 2 - Time (HR:MN:SEC)	Change in Time Between measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (gal)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 2 Start (min)
12:00:20	0.3	120.33	14.18	938.94	54.81	8.24	0.33
12:00:40	0.3	120.67	14.44	943.76	55.05	8.48	0.67
12:01:00	0.3	121.00	14.99	948.75	55.30	8.73	1.00
12:02:00	1.0	122.00	15.08	963.83	55.32	8.75	2.00
12:03:00	1.0	123.00	15.13	978.96	55.36	8.79	3.00
12:04:00	1.0	124.00	15.12	994.08	55.37	8.80	4.00
12:05:00	1.0	125.00	15.13	1009.21	55.38	8.81	5.00
12:06:00	1.0	126.00	15.13	1024.34	55.34	8.77	6.00
12:07:00	1.0	127.00	15.13	1039.47	55.37	8.80	7.00
12:08:00	1.0	128.00	15.10	1054.57	55.37	8.80	8.00
12:09:00	1.0	129.00	15.12	1069.69	55.38	8.81	9.00
12:10:00	1.0	130.00	15.13	1084.82	55.38	8.81	10.00
12:12:00	2.0	132.00	15.13	1115.08	55.38	8.81	12.00
12:14:00	2.0	134.00	15.12	1145.32	55.38	8.81	14.00
12:16:00	2.0	136.00	15.06	1175.44	55.38	8.81	16.00
12:18:00	2.0	138.00	15.13	1205.70	55.38	8.81	18.00
12:20:00	2.0	140.00	15.12	1235.94	55.39	8.82	20.00
12:22:00	2.0	142.00	15.08	1266.10	55.38	8.81	22.00
12:24:00	2.0	144.00	15.10	1296.30	55.38	8.81	24.00
12:26:00	2.0	146.00	15.10	1326.50	55.38	8.81	26.00
12:28:00	2.0	148.00	15.10	1356.70	55.38	8.81	28.00
12:30:00	2.0	150.00	15.08	1386.86	55.37	8.80	30.00
12:35:00	5.0	155.00	15.08	1462.26	55.37	8.80	35.00
12:40:00	5.0	160.00	15.03	1537.41	55.38	8.81	40.00
12:45:00	5.0	165.00	15.08	1612.81	55.36	8.79	45.00
12:50:00	5.0	170.00	15.08	1688.21	55.37	8.80	50.00
12:55:00	5.0	175.00	15.03	1763.36	55.38	8.81	55.00
13:00:00	5.0	180.00	15.08	1838.76	55.38	8.81	60.00
13:10:00	10.0	190.00	15.08	1989.56	55.38	8.81	70.00
13:20:00	10.0	200.00	15.02	2139.76	55.38	8.81	80.00
13:30:00	10.0	210.00	15.03	2290.06	55.39	8.82	90.00
13:40:00	10.0	220.00	15.03	2440.36	55.40	8.83	100.00
13:50:00	10.0	230.00	15.03	2590.66	55.39	8.82	110.00
14:00:00	10.0	240.00	14.97	2740.36	55.37	8.80	120.00
Total Volume Pumped for Step 2 (gal)			1806.15				
Average Pumping Rate (gpm)			15.04				
Specific Capacity (gpm/foot)			1.71				

Specific Capacity Test

Location/Well ID	IRZ-29 Lower
Date	5/12/2020
Screened Interval	92 to 121 feet bgs
Pump Depth (feet btoc)	118.33
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.57
Initial Water Level Within 48 to 77 feet btoc	46.55
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	11465.70
Approx Pumped Volume (gal)	11465.70
Calculated Volume Purged (gal)	11466.22
Difference in Volume Pumped vs. Calculated	0.52
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 50 gpm

Step 3 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 3 Start (min)
14:00:20	0.3	240.33	19.95	2747.01	58.35	11.78	0.33
14:00:40	0.3	240.67	21.73	2754.26	59.54	12.97	0.67
14:01:00	0.3	241.00	22.06	2761.61	59.70	13.13	1.00
14:02:00	1.0	242.00	22.60	2784.21	60.05	13.48	2.00
14:03:00	1.0	243.00	22.80	2807.01	60.17	13.60	3.00
14:04:00	1.0	244.00	22.82	2829.83	60.20	13.63	4.00
14:05:00	1.0	245.00	22.64	2852.47	60.10	13.53	5.00
14:06:00	1.0	246.00	22.66	2875.13	60.12	13.55	6.00
14:07:00	1.0	247.00	22.64	2897.77	60.12	13.55	7.00
14:08:00	1.0	248.00	22.64	2920.41	60.10	13.53	8.00
14:09:00	1.0	249.00	22.63	2943.04	60.11	13.54	9.00
14:10:00	1.0	250.00	22.63	2965.67	60.11	13.54	10.00
14:12:00	2.0	252.00	22.63	3010.93	60.11	13.54	12.00
14:14:00	2.0	254.00	22.63	3056.19	60.12	13.55	14.00
14:16:00	2.0	256.00	22.63	3101.45	60.12	13.55	16.00
14:18:00	2.0	258.00	22.63	3146.71	60.12	13.55	18.00
14:20:00	2.0	260.00	22.64	3191.99	60.12	13.55	20.00
14:22:00	2.0	262.00	22.63	3237.25	60.13	13.56	22.00
14:24:00	2.0	264.00	22.63	3282.51	60.13	13.56	24.00
14:26:00	2.0	266.00	22.63	3327.77	60.16	13.59	26.00
14:28:00	2.0	268.00	22.63	3373.03	60.14	13.57	28.00
14:30:00	2.0	270.00	22.63	3418.29	60.14	13.57	30.00
14:35:00	5.0	275.00	22.61	3531.34	60.15	13.58	35.00
14:40:00	5.0	280.00	22.63	3644.49	60.15	13.58	40.00
14:45:00	5.0	285.00	22.61	3757.54	60.15	13.58	45.00
14:50:00	5.0	290.00	22.63	3870.69	60.15	13.58	50.00
14:55:00	5.0	295.00	22.63	3983.84	60.16	13.59	55.00
15:00:00	5.0	300.00	22.63	4096.99	60.16	13.59	60.00
15:10:00	10.0	310.00	22.61	4323.09	60.17	13.60	70.00
15:20:00	10.0	320.00	22.63	4549.39	60.17	13.60	80.00
15:30:00	10.0	330.00	22.63	4775.69	60.18	13.61	90.00
15:40:00	10.0	340.00	22.63	5001.99	60.18	13.61	100.00
15:50:00	10.0	350.00	22.63	5228.29	60.20	13.63	110.00
16:00:00	10.0	360.00	22.63	5454.59	60.20	13.63	120.00
Total Volume Pumped for Step 3 (gal)			2714.23				
Average Pumping Rate (gpm)			22.52				
Specific Capacity (gpm/foot)			1.65				

Specific Capacity Test

Location/Well ID	IRZ-29 Lower
Date	5/12/2020
Screened Interval	92 to 121 feet bgs
Pump Depth (feet btoc)	118.33
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.57
Initial Water Level Within 48 to 77 feet btoc	46.55
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	11465.70
Approx Pumped Volume (gal)	11465.70
Calculated Volume Purged (gal)	11466.22
Difference in Volume Pumped vs. Calculated	0.52
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 50 gpm

Step 4 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 4 Start (min)
16:00:20	0.3	360.33	42.30	5468.69	72.50	25.93	0.33
16:00:40	0.3	360.67	47.30	5484.46	77.20	30.63	0.33
16:01:00	0.3	361.00	50.00	5501.12	78.16	31.59	0.67
16:02:00	1.0	362.00	50.26	5551.38	78.61	32.04	1.67
16:03:00	1.0	363.00	50.26	5601.64	78.70	32.13	2.67
16:04:00	1.0	364.00	50.24	5651.88	78.78	32.21	3.67
16:05:00	1.0	365.00	50.20	5702.08	78.84	32.27	4.67
16:06:00	1.0	366.00	50.22	5752.30	78.89	32.32	5.67
16:07:00	1.0	367.00	50.20	5802.50	78.91	32.34	6.67
16:08:00	1.0	368.00	50.22	5852.72	78.97	32.40	7.67
16:09:00	1.0	369.00	50.20	5902.92	78.99	32.42	8.67
16:10:00	1.0	370.00	50.19	5953.11	79.01	32.44	9.67
16:12:00	2.0	372.00	50.22	6053.55	79.04	32.47	11.67
16:14:00	2.0	374.00	50.19	6153.93	79.08	32.51	13.67
16:16:00	2.0	376.00	50.20	6254.33	79.10	32.53	15.67
16:18:00	2.0	378.00	50.16	6354.65	79.14	32.57	17.67
16:20:00	2.0	380.00	50.17	6454.99	79.15	32.58	19.67
16:22:00	2.0	382.00	50.17	6555.33	79.18	32.61	21.67
16:24:00	2.0	384.00	50.17	6655.67	79.19	32.62	23.67
16:26:00	2.0	386.00	50.17	6756.01	79.21	32.64	25.67
16:28:00	2.0	388.00	50.16	6856.33	79.24	32.67	27.67
16:30:00	2.0	390.00	50.17	6956.67	79.26	32.69	29.67
16:35:00	5.0	395.00	50.16	7207.47	79.30	32.73	34.67
16:40:00	5.0	400.00	50.16	7458.27	79.34	32.77	39.67
16:45:00	5.0	405.00	50.16	7709.07	79.35	32.78	44.67
16:50:00	5.0	410.00	50.14	7959.77	79.38	32.81	49.67
16:55:00	5.0	415.00	49.46	8207.07	79.37	32.80	54.67
17:00:00	5.0	420.00	50.17	8457.92	79.89	33.32	59.67
17:10:00	10.0	430.00	50.19	8959.82	79.95	33.38	69.67
17:20:00	10.0	440.00	50.19	9461.72	79.89	33.32	79.67
17:30:00	10.0	450.00	50.09	9962.62	80.02	33.45	89.67
17:40:00	10.0	460.00	50.10	10463.62	80.06	33.49	99.67
17:50:00	10.0	470.00	50.14	10965.02	80.11	33.54	109.67
18:00:00	10.0	480.00	50.12	11466.22	80.13	33.56	119.67
18:01:00	1.0	481.00	0.00	11466.22	46.83	0.26	120.67
18:02:00	1.0	482.00	0.00	11466.22	46.76	0.19	121.67
18:03:00	1.0	483.00	0.00	11466.22	46.73	0.16	122.67
18:04:00	1.0	484.00	0.00	11466.22	46.72	0.15	123.67
18:05:00	1.0	485.00	0.00	11466.22	46.68	0.11	124.67

Specific Capacity Test

Location/Well ID	IRZ-29 Lower
Date	5/12/2020
Screened Interval	92 to 121 feet bgs
Pump Depth (feet btoc)	118.33
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.57
Initial Water Level Within 48 to 77 feet btoc	46.55
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	11465.70
Approx Pumped Volume (gal)	11465.70
Calculated Volume Purged (gal)	11466.22
Difference in Volume Pumped vs. Calculated	0.52
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 50 gpm

Step 4 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 4 Start (min)
18:07:00	1.0	487.00	0.00	11466.22	46.63	0.06	126.67
18:08:00	1.0	488.00	0.00	11466.22	46.63	0.06	127.67
18:09:00	1.0	489.00	0.00	11466.22	46.60	0.03	128.67
18:10:00	1.0	490.00	0.00	11466.22	46.59	0.02	129.67
Total Volume Pumped for Step 4 (gal)			6011.63				
Average Pumping Rate (gpm)			49.84				
Specific Capacity (gpm/foot)			1.49				

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gal = gallons

gpm = gallons per minute

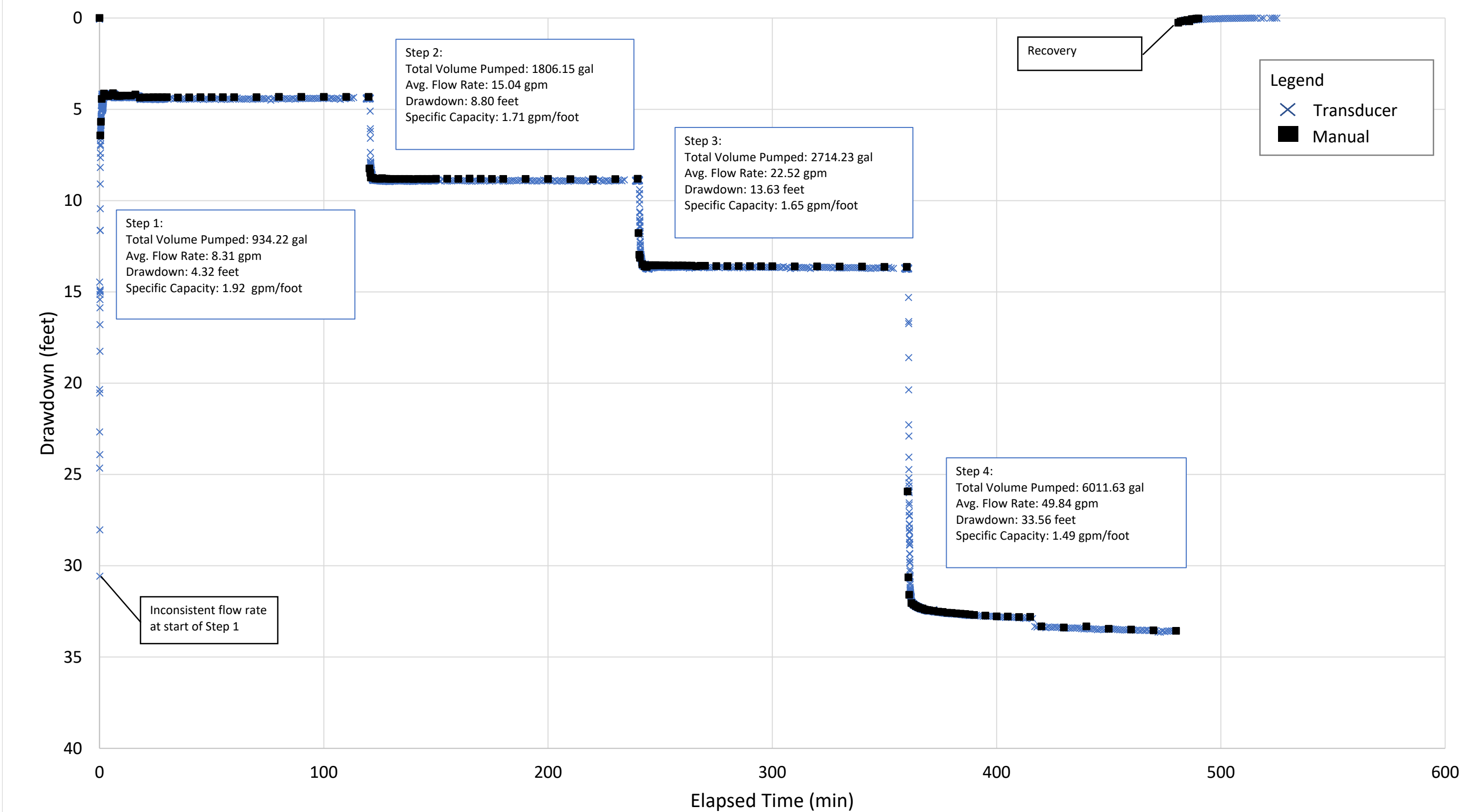
HR = hour

MN = minute

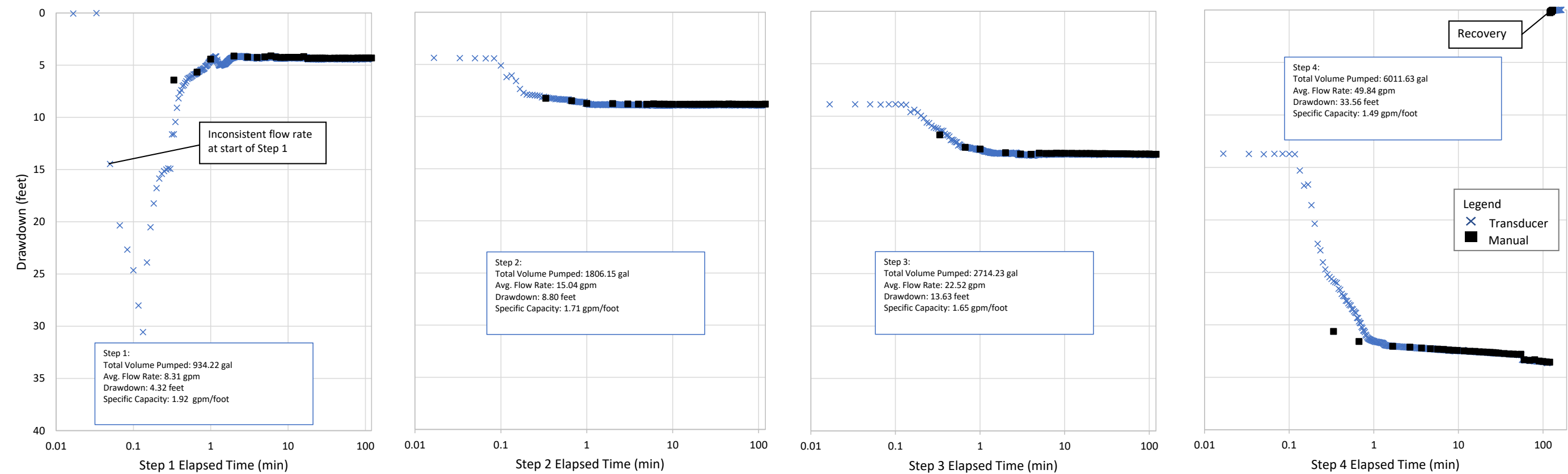
min = minutes

SEC = second

IRZ-29 Lower Screen (92 to 121 feet) Linear Drawdown Plot



IRZ-29 Lower Screen (92 to 121 feet) Semi-Log Drawdown Plot



Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-070
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:47	5/12/20 8:47	45.60
5/12/2020	9:41	5/12/20 9:41	45.57
5/12/2020	10:35	5/12/20 10:35	45.56
5/12/2020	11:49	5/12/20 11:49	45.54
5/12/2020	12:35	5/12/20 12:35	45.53
5/12/2020	13:44	5/12/20 13:44	45.52
5/12/2020	14:32	5/12/20 14:32	45.55
5/12/2020	14:44	5/12/20 14:44	45.53
5/12/2020	16:37	5/12/20 16:37	45.59
5/12/2020	17:42	5/12/20 17:42	45.61
5/12/2020	18:13	5/12/20 18:13	45.60
5/13/2020	7:30	5/13/20 7:30	45.49
5/13/2020	8:46	5/13/20 8:46	45.48
5/13/2020	10:43	5/13/20 10:43	45.47
5/13/2020	11:54	5/13/20 11:54	45.44
5/13/2020	12:42	5/13/20 12:42	45.42
5/13/2020	13:49	5/13/20 13:49	45.45
5/13/2020	14:53	5/13/20 14:53	45.46
5/13/2020	16:04	5/13/20 16:04	45.49
5/13/2020	16:37	5/13/20 16:37	45.50
5/14/2020	7:58	5/14/20 7:58	45.39

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-142
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:50	5/12/20 8:50	45.32
5/12/2020	9:39	5/12/20 9:39	45.30
5/12/2020	10:36	5/12/20 10:36	45.30
5/12/2020	11:48	5/12/20 11:48	45.29
5/12/2020	12:36	5/12/20 12:36	45.29
5/12/2020	13:44	5/12/20 13:44	45.32
5/12/2020	14:34	5/12/20 14:34	45.37
5/12/2020	13:43	5/12/20 13:43	45.40
5/12/2020	16:38	5/12/20 16:38	45.52
5/12/2020	17:40	5/12/20 17:40	45.60
5/12/2020	18:14	5/12/20 18:14	45.50
5/13/2020	7:31	5/13/20 7:31	45.28
5/13/2020	8:45	5/13/20 8:45	45.26
5/13/2020	10:44	5/13/20 10:44	45.27
5/13/2020	11:53	5/13/20 11:53	45.27
5/13/2020	12:43	5/13/20 12:43	45.27
5/13/2020	13:48	5/13/20 13:48	45.30
5/13/2020	14:54	5/13/20 14:54	45.35
5/13/2020	16:03	5/13/20 16:03	45.41
5/13/2020	16:39	5/13/20 16:39	45.40
5/14/2020	7:23	5/14/20 7:23	45.79

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	IRZ-27
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	158 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:43	5/12/20 8:43	45.58
5/12/2020	9:43	5/12/20 9:43	45.54
5/12/2020	10:34	5/12/20 10:34	45.55
5/12/2020	11:47	5/12/20 11:47	45.54
5/12/2020	12:34	5/12/20 12:34	45.56
5/12/2020	13:45	5/12/20 13:45	45.55
5/12/2020	14:30	5/12/20 14:30	45.60
5/12/2020	15:42	5/12/20 15:42	45.61
5/12/2020	16:35	5/12/20 16:35	45.81
5/12/2020	17:40	5/12/20 17:40	45.87
5/12/2020	18:10	5/12/20 18:10	45.71
5/13/2020	7:26	5/13/20 7:26	45.71
5/13/2020	8:44	5/13/20 8:44	45.55
5/13/2020	10:41	5/13/20 10:41	45.59
5/13/2020	11:51	5/13/20 11:51	45.58
5/13/2020	12:44	5/13/20 12:44	45.59
5/13/2020	13:50	5/13/20 13:50	45.60
5/13/2020	14:51	5/13/20 14:51	45.68
5/13/2020	16:02	5/13/20 16:02	45.75
5/13/2020	16:32	5/13/20 16:32	45.68
5/14/2020	7:37	5/14/20 7:37	45.45

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-79-060
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:35	5/12/20 8:35	46.11
5/12/2020	9:56	5/12/20 9:56	46.07
5/12/2020	10:31	5/12/20 10:31	46.10
5/12/2020	11:48	5/12/20 11:48	46.10
5/12/2020	12:32	5/12/20 12:32	46.09
5/12/2020	13:43	5/12/20 13:43	46.11
5/12/2020	14:32	5/12/20 14:32	46.12
5/12/2020	16:32	5/12/20 16:32	46.21
5/12/2020	17:45	5/12/20 17:45	46.31
5/12/2020	18:12	5/12/20 18:12	46.28
5/13/2020	7:32	5/13/20 7:32	46.06
5/13/2020	8:50	5/13/20 8:50	46.06
5/13/2020	10:46	5/13/20 10:46	46.11
5/13/2020	11:55	5/13/20 11:55	46.13
5/13/2020	12:42	5/13/20 12:42	46.13
5/13/2020	13:53	5/13/20 13:53	46.17
5/13/2020	14:57	5/13/20 14:57	46.22
5/13/2020	16:08	5/13/20 16:08	46.37
5/13/2020	16:36	5/13/20 16:36	46.34
5/14/2020	7:22	5/14/20 7:22	46.02

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

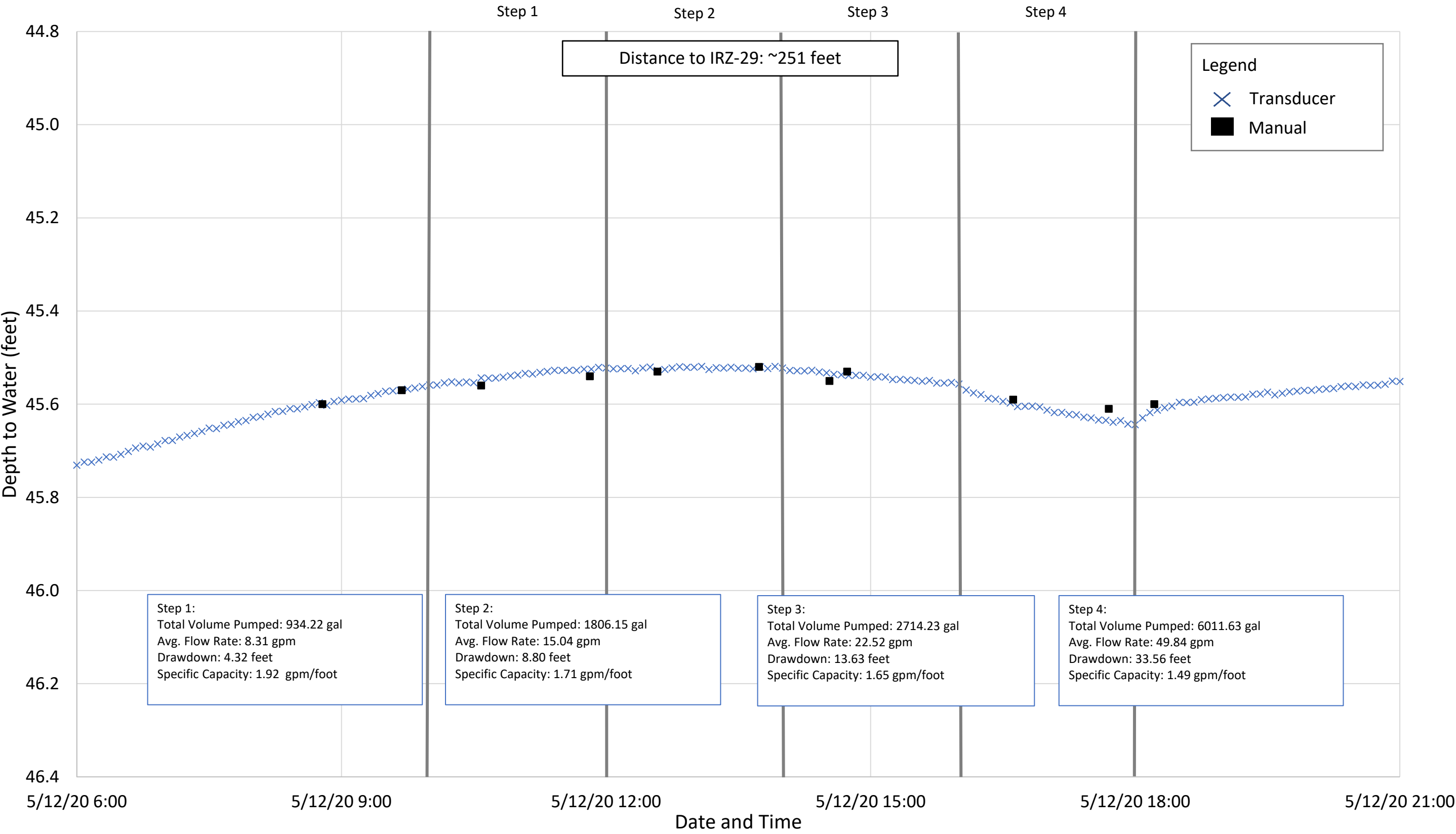
Location/Well ID	MW-79-104
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:36	5/12/20 8:36	45.87
5/12/2020	9:55	5/12/20 9:55	45.85
5/12/2020	10:30	5/12/20 10:30	45.95
5/12/2020	11:50	5/12/20 11:50	45.93
5/12/2020	12:31	5/12/20 12:31	46.01
5/12/2020	13:45	5/12/20 13:45	46.02
5/12/2020	14:32	5/12/20 14:32	46.12
5/12/2020	15:43	5/12/20 15:43	46.14
5/12/2020	16:33	5/12/20 16:33	46.47
5/12/2020	17:44	5/12/20 17:44	46.55
5/12/2020	18:13	5/12/20 18:13	45.95
5/13/2020	7:34	5/13/20 7:34	45.83
5/13/2020	8:48	5/13/20 8:48	45.85
5/13/2020	10:47	5/13/20 10:47	45.90
5/13/2020	11:54	5/13/20 11:54	45.90
5/13/2020	12:43	5/13/20 12:43	45.91
5/13/2020	13:52	5/13/20 13:52	45.92
5/13/2020	14:57	5/13/20 14:57	46.05
5/13/2020	16:07	5/13/20 16:07	46.12
5/13/2020	16:37	5/13/20 16:37	45.94
5/14/2020	7:57	5/14/20 7:57	45.21

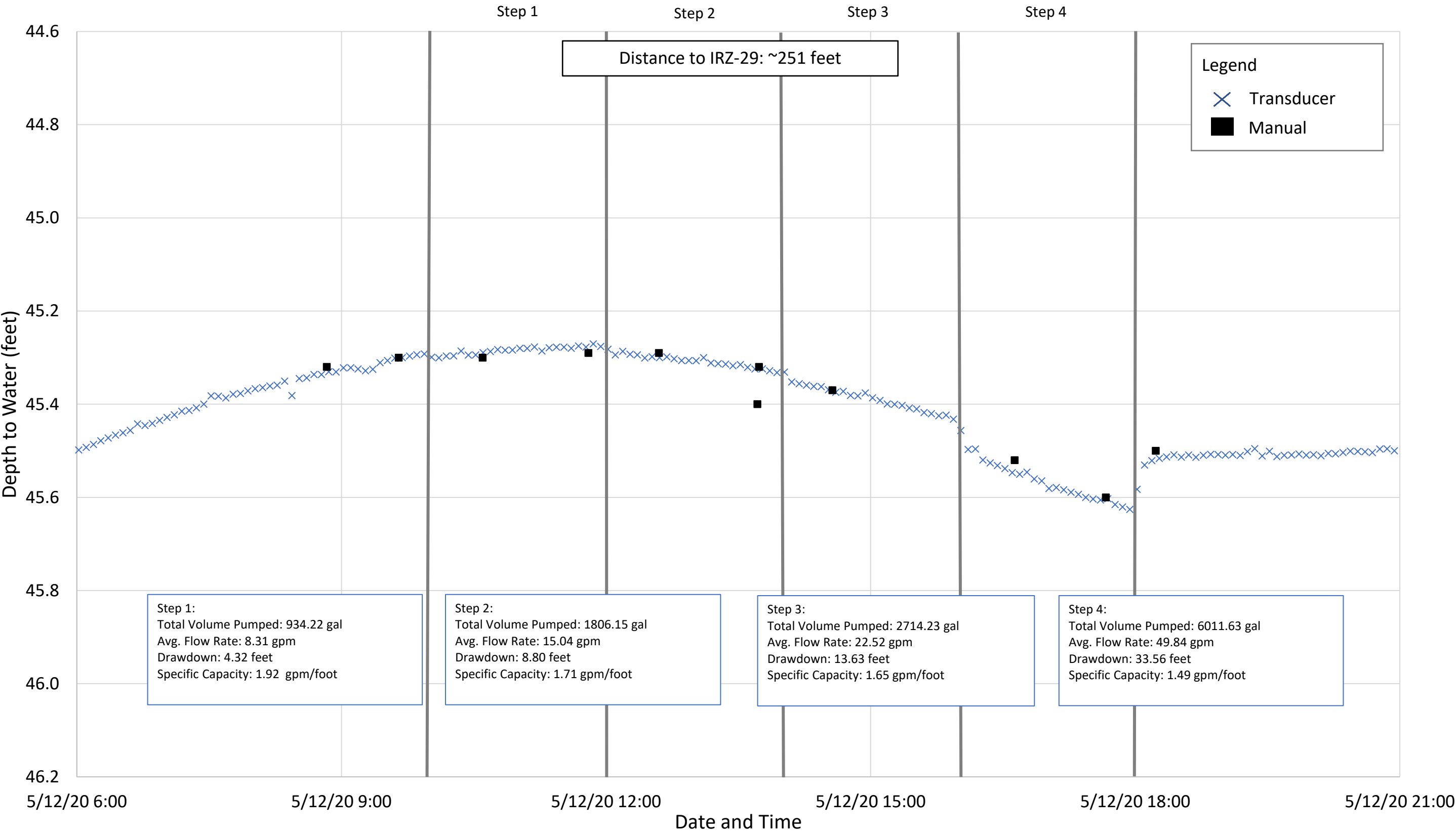
Acronyms & Abbreviations

bgs = below ground surface

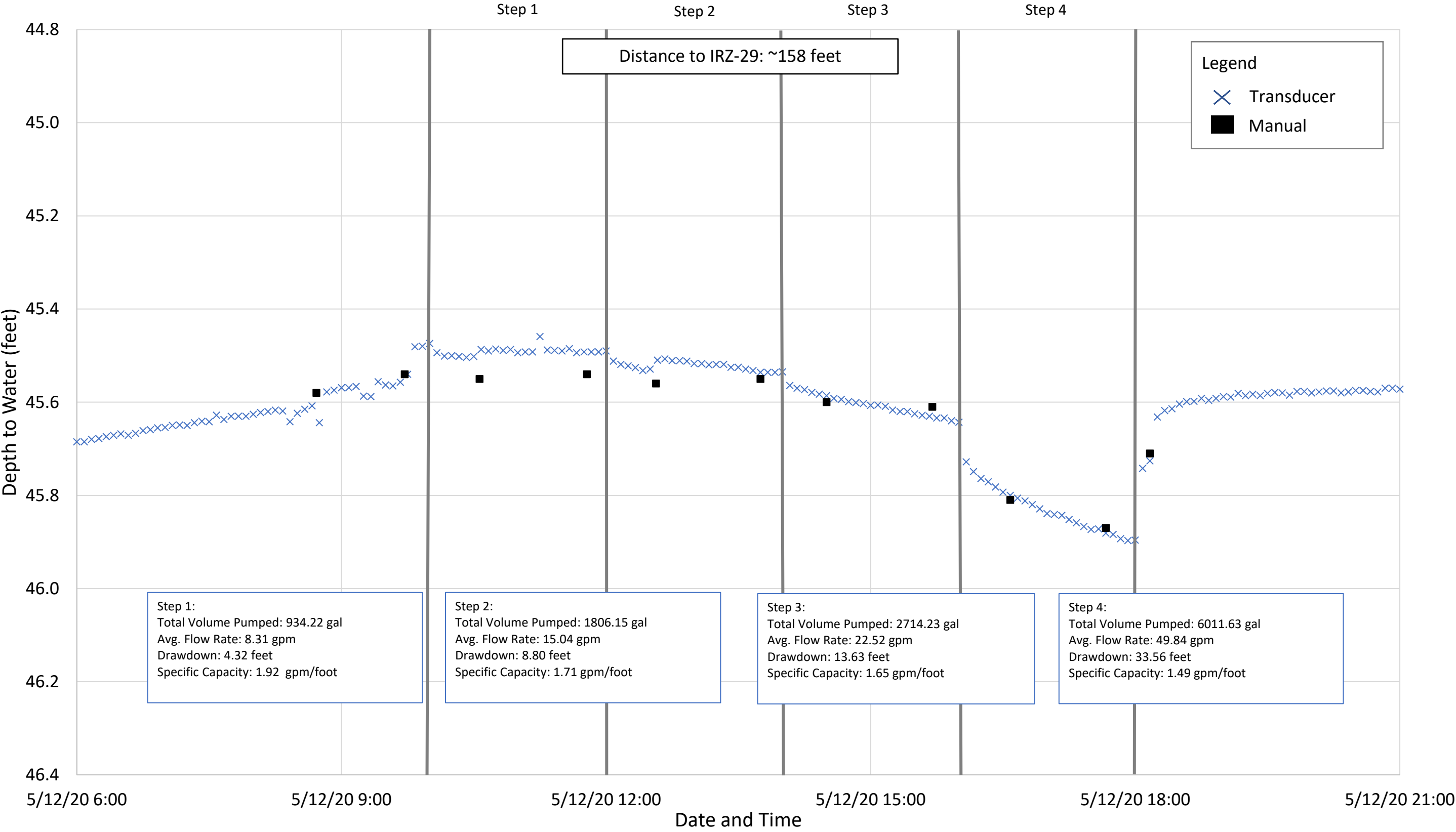
MW-78-070 During IRZ-29 Lower Screen (92 to 121 feet) Specific Capacity Test



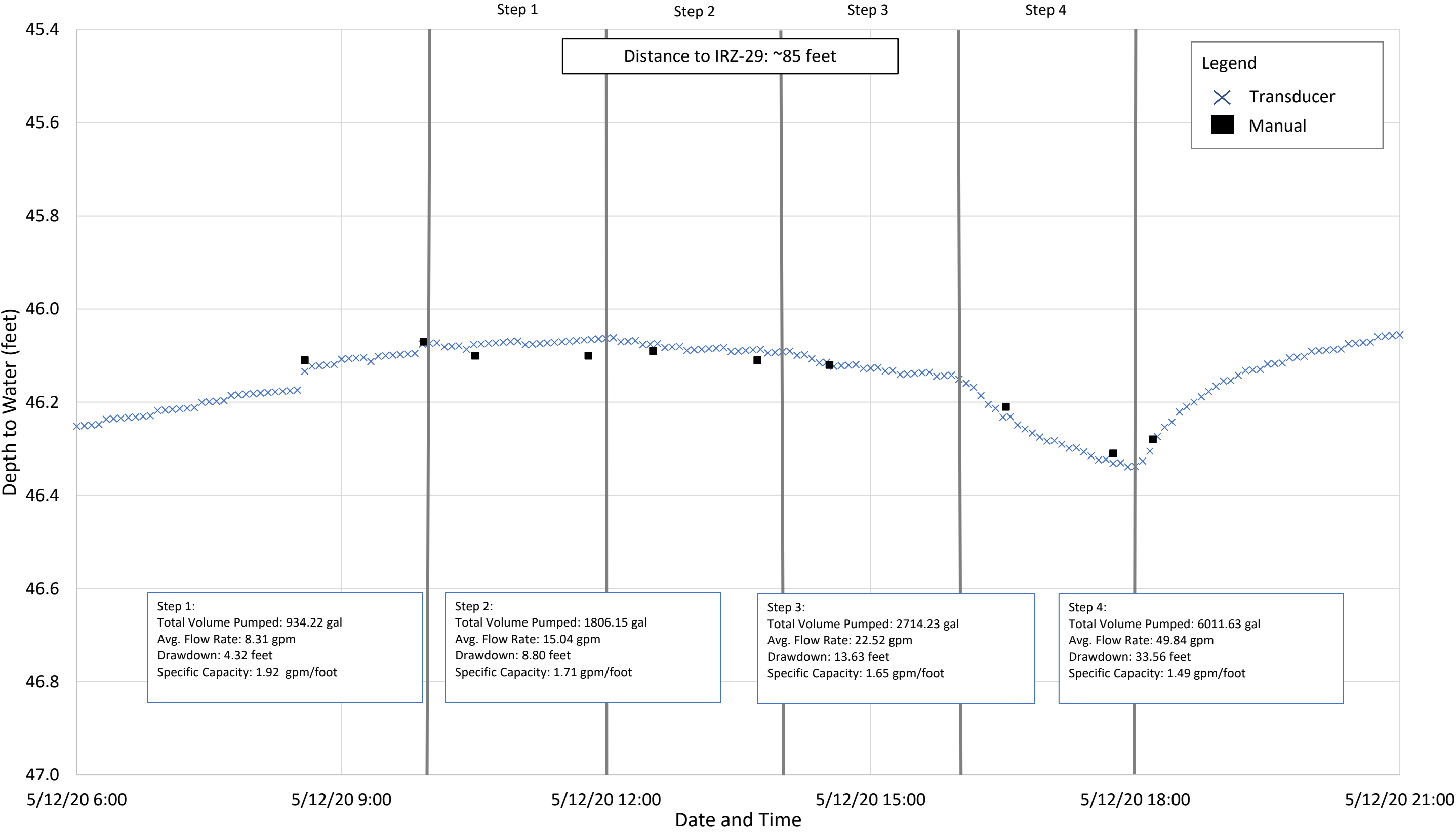
MW-78-142 During IRZ-29 Lower Screen (92 to 121 feet) Specific Capacity Test



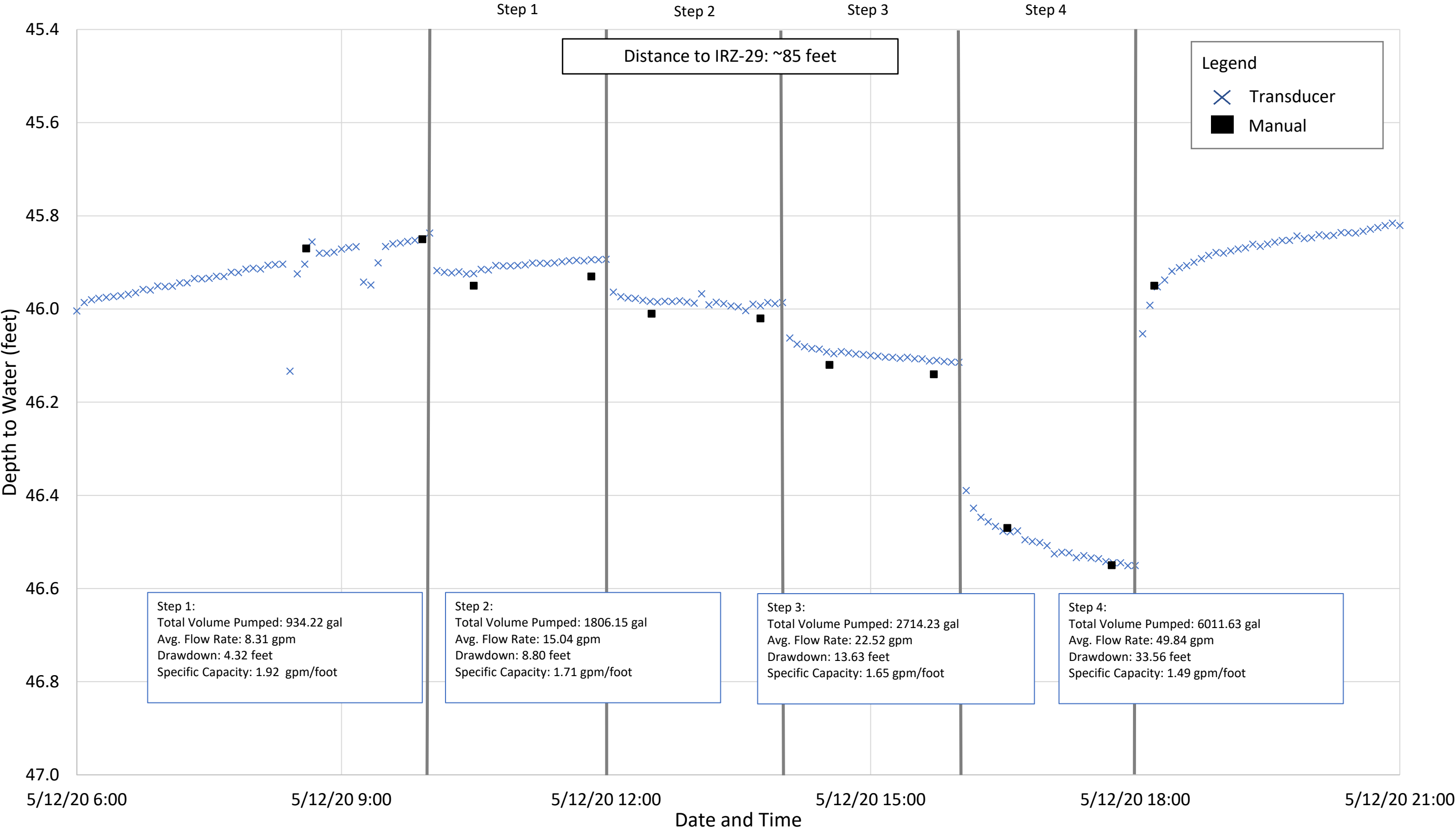
IRZ-27 During IRZ-29 Lower Screen (92 to 121 feet) Specific Capacity Test



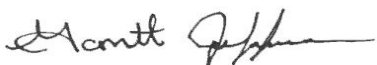
MW-79-060 During IRZ-29 Lower Screen (92 to 121 feet) Specific Capacity Test



MW-79-104 During IRZ-29 Lower Screen (92 to 121 feet) Specific Capacity Test



Injectivity Testing

Location/Well ID	IRZ-29
Date	5/19/2020
Screened Interval Tested	Upper (48 to 77 feet bgs)
Packer Set Depth	87.5-91.5 feet btoc
Packer Seal Test	Confirmed packer to be watertight before test
Tests Conducted	Four-step injectivity test (7.5, 15, 22.5, and 30 gpm)
Purpose	Well performance test
Summary	Specific injectivity: 5.27 to 5.64 gpm/foot
Injection Water Source	Fresh water from construction water supply system
Notes	At 08:12, generator and pump turned off and flow rate dropped to 3.65 gpm sustained. Generator back on at 08:15.
	Transducer failed to connect at end of Step 2. Step 2 extended 10 minutes to reset transducer.
	Refill fresh water tank from 13:49 to 14:10.
Oversight Signature	
Date	7/31/2020

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gpm = gallons per minute

Injectivity Test

Location/Well ID	IRZ-29 Upper
Date	5/19/2020
Screened Interval	48 to 77 feet bgs
Injection Depth (feet btoc)	60.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.59
Initial Water Level Within 52 to 67 feet btoc	46.47
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9183.81
Approx Injected Volume (gal)	9183.81
Calculated Volume Purged (gal)	9193.48
Difference in Volume Pumped vs. Calculated	-9.67
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30

Step 1 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)
7:30:00	0.00	0.00	0.00	46.59	0.00
7:30:20	0.33	6.38	2.13	46.37	0.22
7:30:40	0.67	7.79	4.72	46.09	0.50
7:31:00	1.00	7.50	7.22	45.85	0.74
7:32:00	2.00	7.64	14.86	45.55	1.04
7:33:00	3.00	7.64	22.50	45.44	1.15
7:34:00	4.00	7.64	30.14	45.38	1.21
7:35:00	5.00	7.62	37.76	45.36	1.23
7:36:00	6.00	7.62	45.38	45.33	1.26
7:37:00	7.00	7.64	53.02	45.30	1.29
7:38:00	8.00	7.62	60.64	45.29	1.30
7:39:00	9.00	7.60	68.24	45.28	1.31
7:40:00	10.00	7.62	75.86	45.27	1.32
7:42:00	12.00	7.60	91.06	45.25	1.34
7:44:00	14.00	7.60	106.26	45.23	1.36
7:46:00	16.00	7.62	121.50	45.22	1.37
7:48:00	18.00	7.60	136.70	45.21	1.38
7:50:00	20.00	7.60	151.90	45.21	1.38
7:52:00	22.00	7.66	167.22	45.20	1.39
7:54:00	24.00	7.62	182.46	45.19	1.40
7:56:00	26.00	7.88	198.22	45.18	1.41
7:58:00	28.00	7.74	213.70	45.17	1.42
8:00:00	30.00	7.62	228.94	45.18	1.41
8:05:00	35.00	7.59	266.89	45.18	1.41
8:10:00	40.00	7.60	304.89	45.17	1.42
8:15:00	45.00	7.64	343.09	45.29	1.30
8:20:00	50.00	7.60	381.09	45.17	1.42
8:25:00	55.00	7.59	419.04	45.16	1.43
8:30:00	60.00	7.58	456.94	45.15	1.44
8:40:00	70.00	7.59	532.84	45.15	1.44
8:50:00	80.00	7.58	608.64	45.15	1.44
9:00:00	90.00	7.56	684.24	45.15	1.44
9:10:00	100.00	7.54	759.64	45.15	1.44
9:20:00	110.00	7.56	835.24	45.15	1.44
9:30:00	120.00	7.53	910.54	45.15	1.44
Total Volume Injected During Step (gal):			910.54		
Average Injection Rate (gpm):			7.58		
Specific Injectivity (gpm/foot):			5.27		

Injectivity Test

Location/Well ID	IRZ-29 Upper
Date	5/19/2020
Screened Interval	48 to 77 feet bgs
Injection Depth (feet btoc)	60.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.59
Initial Water Level Within 52 to 67 feet btoc	46.47
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9183.81
Approx Injected Volume (gal)	9183.81
Calculated Volume Purged (gal)	9193.48
Difference in Volume Pumped vs. Calculated	-9.67
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30

Step 2 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 2 Start (min)
9:30:20	120.33	13.98	915.20	44.85	1.74	0.33
9:30:40	120.67	15.10	920.24	44.53	2.06	0.67
9:31:00	121.00	15.12	925.28	44.34	2.25	1.00
9:32:00	122.00	15.14	940.42	44.14	2.45	2.00
9:33:00	123.00	15.12	955.54	44.06	2.53	3.00
9:34:00	124.00	15.14	970.68	44.02	2.57	4.00
9:35:00	125.00	15.15	985.83	43.99	2.60	5.00
9:36:00	126.00	15.14	1000.97	43.97	2.62	6.00
9:37:00	127.00	15.15	1016.12	43.95	2.64	7.00
9:38:00	128.00	15.04	1031.16	43.95	2.64	8.00
9:39:00	129.00	15.15	1046.31	43.93	2.66	9.00
9:40:00	130.00	15.16	1061.47	43.92	2.67	10.00
9:42:00	132.00	15.12	1091.71	43.91	2.68	12.00
9:44:00	134.00	15.12	1121.95	43.90	2.69	14.00
9:46:00	136.00	15.12	1152.19	43.90	2.69	16.00
9:48:00	138.00	15.09	1182.37	43.89	2.70	18.00
9:50:00	140.00	15.06	1212.49	43.88	2.71	20.00
9:52:00	142.00	15.08	1242.65	43.88	2.71	22.00
9:54:00	144.00	15.06	1272.77	43.88	2.71	24.00
9:56:00	146.00	15.02	1302.81	43.87	2.72	26.00
9:58:00	148.00	15.12	1333.05	43.87	2.72	28.00
10:00:00	150.00	15.16	1363.37	43.87	2.72	30.00
10:05:00	155.00	15.01	1438.42	43.86	2.73	35.00
10:10:00	160.00	15.14	1514.12	43.84	2.75	40.00
10:15:00	165.00	15.06	1589.42	43.84	2.75	45.00
10:20:00	170.00	15.05	1664.67	43.84	2.75	50.00
10:25:00	175.00	15.16	1740.47	43.84	2.75	55.00
10:30:00	180.00	15.18	1816.37	43.84	2.75	60.00
10:40:00	190.00	15.22	1968.57	43.83	2.76	70.00
10:50:00	200.00	15.22	2120.77	43.85	2.74	80.00
11:00:00	210.00	15.20	2272.77	43.84	2.75	90.00
11:10:00	220.00	15.20	2424.77	43.84	2.75	100.00
11:20:00	230.00	15.20	2576.77	43.84	2.75	110.00
11:30:00	240.00	15.16	2728.37	43.84	2.75	120.00
11:40:00	250.00	15.12	2879.57	43.84	2.75	130.00
Total Volume Injected During Step (gal):			1969.02			
Average Injection Rate (gpm):			15.09			
Specific Injectivity (gpm/foot):			5.49			

Injectivity Test

Location/Well ID	IRZ-29 Upper
Date	5/19/2020
Screened Interval	48 to 77 feet bgs
Injection Depth (feet btoc)	60.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.59
Initial Water Level Within 52 to 67 feet btoc	46.47
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9183.81
Approx Injected Volume (gal)	9183.81
Calculated Volume Purged (gal)	9193.48
Difference in Volume Pumped vs. Calculated	-9.67
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30

Step 3 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 3 Start (min)
11:40:20	250.33	22.67	2887.12	43.49	3.10	0.33
11:40:40	250.67	22.02	2894.46	43.27	3.32	0.67
11:41:00	251.00	22.42	2901.94	43.15	3.44	1.00
11:42:00	252.00	22.58	2924.52	42.95	3.64	2.00
11:43:00	253.00	22.56	2947.08	42.94	3.65	3.00
11:44:00	254.00	22.58	2969.66	42.84	3.75	4.00
11:45:00	255.00	22.58	2992.24	42.83	3.76	5.00
11:46:00	256.00	22.59	3014.83	42.80	3.79	6.00
11:47:00	257.00	22.58	3037.41	42.79	3.80	7.00
11:48:00	258.00	22.58	3059.99	42.78	3.81	8.00
11:49:00	259.00	22.58	3082.57	42.77	3.82	9.00
11:50:00	260.00	22.58	3105.15	42.76	3.83	10.00
11:52:00	262.00	22.59	3150.33	42.74	3.85	12.00
11:54:00	264.00	22.58	3195.49	42.73	3.86	14.00
11:56:00	266.00	22.58	3240.65	42.71	3.88	16.00
11:58:00	268.00	22.58	3285.81	42.71	3.88	18.00
12:00:00	270.00	22.59	3330.99	42.70	3.89	20.00
12:02:00	272.00	22.59	3376.17	42.70	3.89	22.00
12:04:00	274.00	22.58	3421.33	42.69	3.90	24.00
12:06:00	276.00	22.58	3466.49	42.68	3.91	26.00
12:08:00	278.00	22.58	3511.65	42.68	3.91	28.00
12:10:00	280.00	22.56	3556.77	42.67	3.92	30.00
12:15:00	285.00	22.58	3669.67	42.65	3.94	35.00
12:20:00	290.00	22.56	3782.47	42.65	3.94	40.00
12:25:00	295.00	22.56	3895.27	42.64	3.95	45.00
12:30:00	300.00	22.58	4008.17	42.64	3.95	50.00
12:35:00	305.00	22.54	4120.87	42.64	3.95	55.00
12:40:00	310.00	22.56	4233.67	42.64	3.95	60.00
12:50:00	320.00	22.54	4459.07	42.63	3.96	70.00
13:00:00	330.00	22.53	4684.37	42.62	3.97	80.00
13:10:00	340.00	22.54	4909.77	42.61	3.98	90.00
13:20:00	350.00	22.54	5135.17	42.59	4.00	100.00
13:30:00	360.00	22.53	5360.47	42.59	4.00	110.00
13:40:00	370.00	22.52	5585.67	42.59	4.00	120.00
Total Volume Injected During Step (gal):			2706.10			
Average Injection Rate (gpm):			22.55			
Specific Injectivity (gpm/foot):			5.64			

Injectivity Test

Location/Well ID	IRZ-29 Upper
Date	5/19/2020
Screened Interval	48 to 77 feet bgs
Injection Depth (feet btoc)	60.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.59
Initial Water Level Within 52 to 67 feet btoc	46.47
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9183.81
Approx Injected Volume (gal)	9183.81
Calculated Volume Purged (gal)	9193.48
Difference in Volume Pumped vs. Calculated	-9.67
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30

Step 4 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 4 Start (min)
13:40:20	370.33	29.44	5595.48	42.24	4.35	0.33
13:40:40	370.67	30.10	5605.51	42.00	4.59	0.67
13:41:00	371.00	30.08	5615.54	41.87	4.72	1.00
13:42:00	372.00	30.06	5645.60	41.72	4.87	2.00
13:43:00	373.00	30.08	5675.68	41.65	4.94	3.00
13:44:00	374.00	30.05	5705.73	41.61	4.98	4.00
13:45:00	375.00	30.11	5735.84	41.59	5.00	5.00
13:46:00	376.00	30.11	5765.95	41.56	5.03	6.00
13:47:00	377.00	30.11	5796.06	41.54	5.05	7.00
13:48:00	378.00	30.11	5826.17	41.53	5.06	8.00
13:49:00	379.00	30.13	5856.30	41.52	5.07	9.00
13:50:00	380.00	30.11	5886.41	41.51	5.08	10.00
13:52:00	382.00	30.14	5946.69	41.50	5.09	12.00
13:54:00	384.00	30.14	6006.97	41.49	5.10	14.00
13:56:00	386.00	30.20	6067.37	41.47	5.12	16.00
13:58:00	388.00	30.08	6127.53	41.47	5.12	18.00
14:00:00	390.00	30.10	6187.73	41.46	5.13	20.00
14:02:00	392.00	30.08	6247.89	41.45	5.14	22.00
14:04:00	394.00	30.10	6308.09	41.45	5.14	24.00
14:06:00	396.00	30.11	6368.31	41.43	5.16	26.00
14:08:00	398.00	30.10	6428.51	41.42	5.17	28.00
14:10:00	400.00	30.11	6488.73	41.42	5.17	30.00
14:15:00	405.00	30.08	6639.13	41.38	5.21	35.00
14:20:00	410.00	30.08	6789.53	41.36	5.23	40.00
14:25:00	415.00	30.06	6939.83	41.35	5.24	45.00
14:30:00	420.00	30.06	7090.13	41.33	5.26	50.00
14:35:00	425.00	30.05	7240.38	41.32	5.27	55.00
14:40:00	430.00	30.06	7390.68	41.30	5.29	60.00
14:50:00	440.00	30.06	7691.28	41.28	5.31	70.00
15:00:00	450.00	30.04	7991.68	41.26	5.33	80.00
15:10:00	460.00	30.04	8292.08	41.25	5.34	90.00
15:20:00	470.00	30.04	8592.48	41.24	5.35	100.00
15:30:00	480.00	30.06	8893.08	41.22	5.37	110.00
15:40:00	490.00	30.04	9193.48	41.23	5.36	120.00
15:41:00	491.00	0.00	9193.48	44.22	2.37	121.00
15:42:00	492.00	0.00	9193.48	44.85	1.74	122.00

Injectivity Test

Location/Well ID	IRZ-29 Upper
Date	5/19/2020
Screened Interval	48 to 77 feet bgs
Injection Depth (feet btoc)	60.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 77 to 100 feet btoc	46.59
Initial Water Level Within 52 to 67 feet btoc	46.47
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	9183.81
Approx Injected Volume (gal)	9183.81
Calculated Volume Purged (gal)	9193.48
Difference in Volume Pumped vs. Calculated	-9.67
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 30

Step 4 - Time (HR:MN:SEC)	Elapsed Time (min)	Injection Rate (gpm)	Total Volume Injected (gal)	Depth to Water (feet)	Water Level Change (feet)	Elapsed Time from Step 4 Start (min)
15:43:00	493.00	0.00	9193.48	45.13	1.46	123.00
15:44:00	494.00	0.00	9193.48	45.27	1.32	124.00
15:45:00	495.00	0.00	9193.48	45.39	1.20	125.00
15:46:00	496.00	0.00	9193.48	45.46	1.13	126.00
15:47:00	497.00	0.00	9193.48	45.53	1.06	127.00
15:48:00	498.00	0.00	9193.48	45.58	1.01	128.00
15:49:00	499.00	0.00	9193.48	45.62	0.97	129.00
15:50:00	500.00	0.00	9193.48	45.66	0.93	130.00
Total Volume Injected During Step (gal):			3607.81			
Average Injection Rate (gpm):			30.07			
Specific Injectivity (gpm/foot):			5.61			

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gal = gallons

gpm = gallons per minute

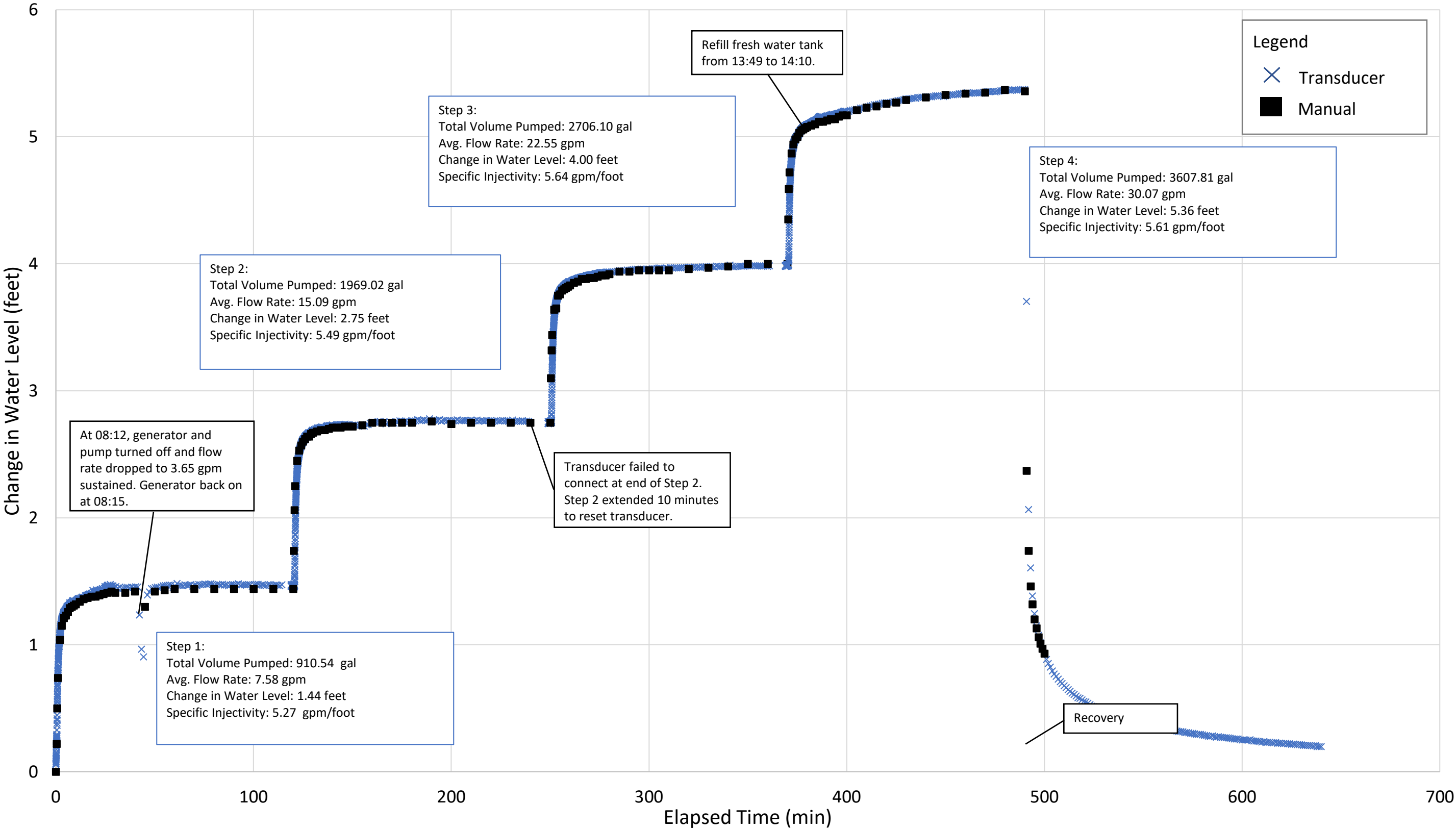
HR = hour

min = minutes

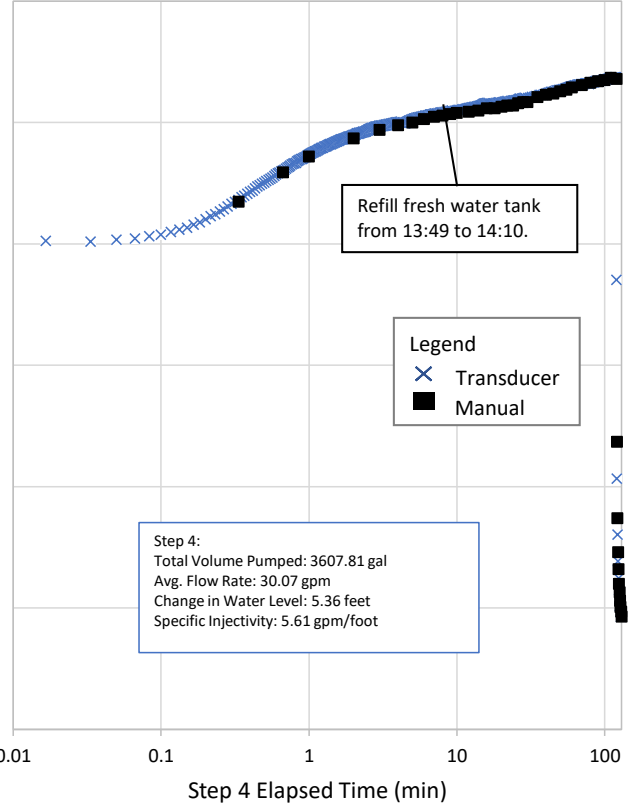
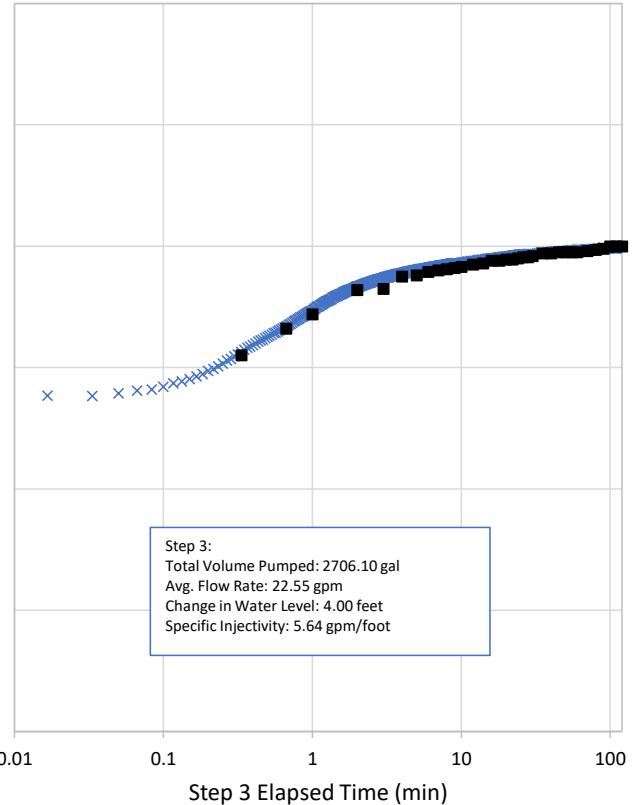
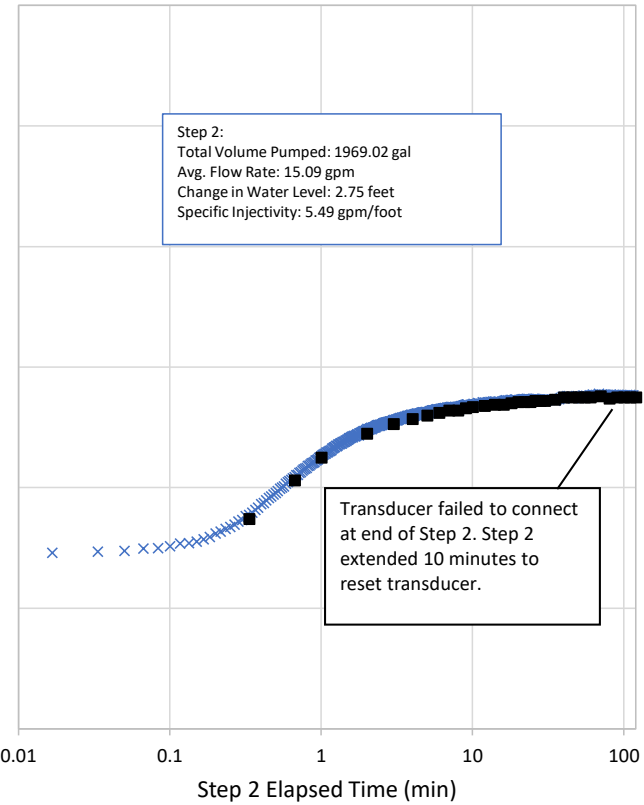
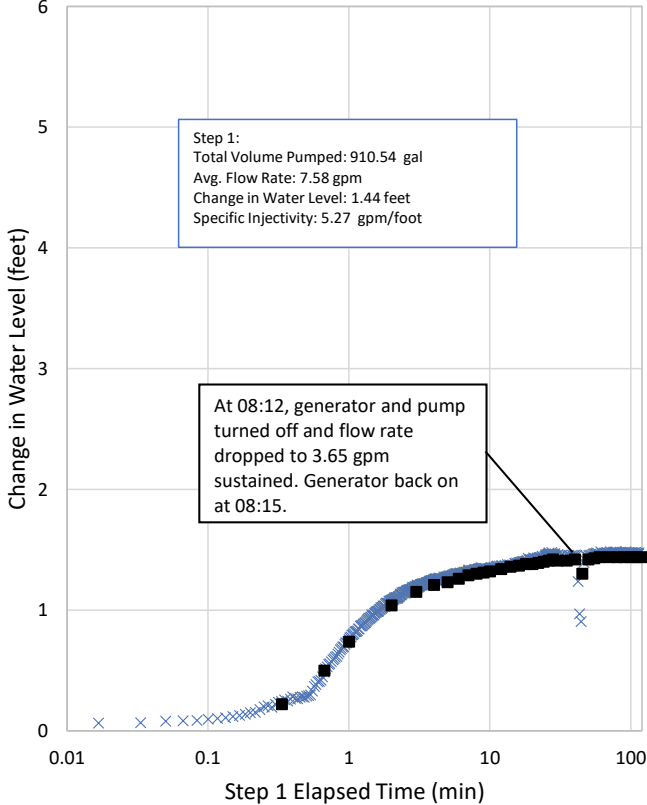
MN = minute

SEC = second

IRZ-29 Upper Screen (48 to 77 feet) Linear Change in Water Level Plot



IRZ-29 Upper Screen (48 to 77 feet) Semi-Log Change in Water Level Plot



Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-070
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:11	5/18/20 7:11	46.03
5/18/2020	8:13	5/18/20 8:13	46.01
5/18/2020	9:28	5/18/20 9:28	45.99
5/18/2020	10:15	5/18/20 10:15	45.76
5/18/2020	11:31	5/18/20 11:31	45.65
5/18/2020	12:21	5/18/20 12:21	45.78
5/18/2020	13:25	5/18/20 13:25	45.81
5/18/2020	14:14	5/18/20 14:14	45.81
5/18/2020	15:33	5/18/20 15:33	45.79
5/18/2020	16:10	5/18/20 16:10	45.83
5/19/2020	7:11	5/19/20 7:11	46.07
5/19/2020	8:04	5/19/20 8:04	46.07
5/19/2020	9:11	5/19/20 9:11	46.04
5/19/2020	10:05	5/19/20 10:05	46.01
5/19/2020	11:15	5/19/20 11:15	46.01
5/19/2020	12:15	5/19/20 12:15	45.99
5/19/2020	13:24	5/19/20 13:24	45.97
5/19/2020	14:17	5/19/20 14:17	45.97
5/19/2020	15:23	5/19/20 15:23	45.96
5/19/2020	15:59	5/19/20 15:59	45.97
5/20/2020	8:40	5/20/20 8:40	45.84

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-142
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:13	5/18/20 7:13	46.29
5/18/2020	8:12	5/18/20 8:12	46.26
5/18/2020	9:29	5/18/20 9:29	46.23
5/18/2020	10:13	5/18/20 10:13	45.50
5/18/2020	11:33	5/18/20 11:33	45.78
5/18/2020	12:19	5/18/20 12:19	46.01
5/18/2020	13:27	5/18/20 13:27	46.06
5/18/2020	14:13	5/18/20 14:13	46.06
5/18/2020	15:34	5/18/20 15:34	46.05
5/18/2020	16:09	5/18/20 16:09	46.15
5/19/2020	7:12	5/19/20 7:12	46.35
5/19/2020	8:03	5/19/20 8:03	46.32
5/19/2020	9:13	5/19/20 9:13	46.31
5/19/2020	10:04	5/19/20 10:04	46.29
5/19/2020	11:16	5/19/20 11:16	46.29
5/19/2020	12:13	5/19/20 12:13	46.28
5/19/2020	13:25	5/19/20 13:25	46.26
5/19/2020	14:16	5/19/20 14:16	46.26
5/19/2020	15:24	5/19/20 15:24	46.26
5/19/2020	16:01	5/19/20 16:01	46.29
5/20/2020	8:43	5/20/20 8:43	45.62

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	IRZ-27
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	158 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:04	5/18/20 7:04	45.89
5/18/2020	8:11	5/18/20 8:11	45.84
5/18/2020	9:26	5/18/20 9:26	45.81
5/18/2020	10:12	5/18/20 10:12	45.59
5/18/2020	11:30	5/18/20 11:30	45.51
5/18/2020	12:22	5/18/20 12:22	45.58
5/18/2020	13:24	5/18/20 13:24	45.59
5/18/2020	14:12	5/18/20 14:12	45.55
5/18/2020	15:32	5/18/20 15:32	45.51
5/18/2020	16:07	5/18/20 16:07	45.65
5/19/2020	7:07	5/19/20 7:07	45.92
5/19/2020	8:02	5/19/20 8:02	45.90
5/19/2020	9:10	5/19/20 9:10	45.86
5/19/2020	10:03	5/19/20 10:03	45.81
5/19/2020	11:14	5/19/20 11:14	45.80
5/19/2020	12:12	5/19/20 12:12	45.75
5/19/2020	13:27	5/19/20 13:27	45.71
5/19/2020	14:14	5/19/20 14:14	45.69
5/19/2020	15:21	5/19/20 15:21	45.65
5/19/2020	15:56	5/19/20 15:56	45.71
5/20/2020	8:17	5/20/20 8:17	45.75

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-79-060
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:15	5/18/20 7:15	46.06
5/18/2020	8:17	5/18/20 8:17	46.02
5/18/2020	9:31	5/18/20 9:31	45.98
5/18/2020	10:18	5/18/20 10:18	45.92
5/18/2020	11:27	5/18/20 11:27	45.86
5/18/2020	12:25	5/18/20 12:25	45.80
5/18/2020	13:31	5/18/20 13:31	45.78
5/18/2020	14:19	5/18/20 14:19	45.72
5/18/2020	15:36	5/18/20 15:36	45.68
5/18/2020	16:04	5/18/20 16:04	45.69
5/19/2020	7:01	5/19/20 7:01	46.05
5/19/2020	8:03	5/19/20 8:03	46.02
5/19/2020	9:11	5/19/20 9:11	45.98
5/19/2020	10:06	5/19/20 10:06	45.92
5/19/2020	11:19	5/19/20 11:19	45.89
5/19/2020	12:18	5/19/20 12:18	45.81
5/19/2020	13:28	5/19/20 13:28	45.76
5/19/2020	14:22	5/19/20 14:22	45.75
5/19/2020	15:27	5/19/20 15:27	45.68
5/19/2020	15:59	5/19/20 15:59	45.69
5/20/2020	7:51	5/20/20 7:51	46.05

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

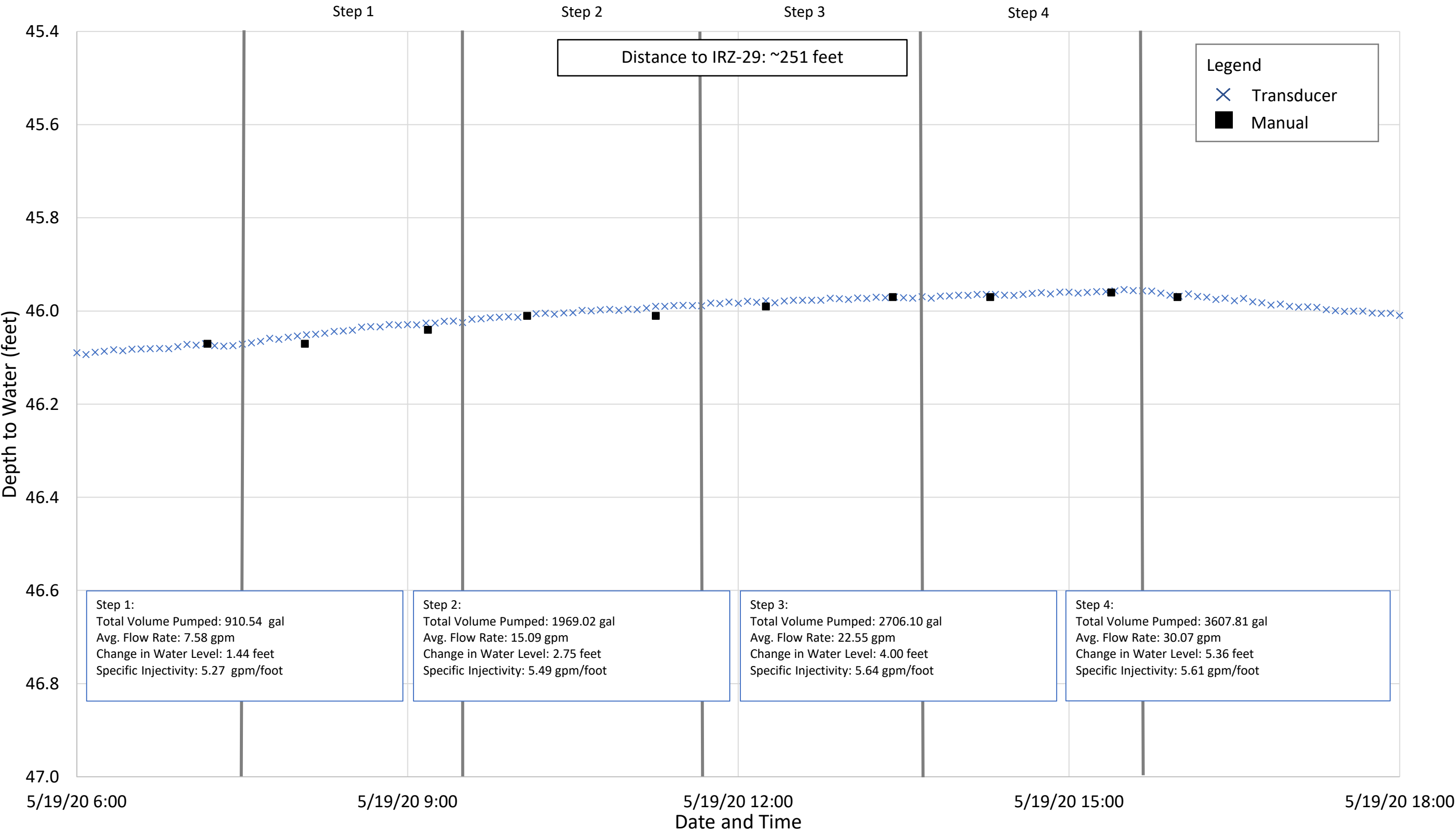
Location/Well ID	MW-79-104
Well Being Tested	IRZ-29
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/18/2020	7:15	5/18/20 7:15	45.90
5/18/2020	8:15	5/18/20 8:15	45.78
5/18/2020	9:33	5/18/20 9:33	45.74
5/18/2020	10:17	5/18/20 10:17	45.54
5/18/2020	11:28	5/18/20 11:28	45.46
5/18/2020	12:24	5/18/20 12:24	45.40
5/18/2020	13:32	5/18/20 13:32	45.37
5/18/2020	14:17	5/18/20 14:17	45.26
5/18/2020	15:38	5/18/20 15:38	45.20
5/18/2020	16:03	5/18/20 16:03	45.65
5/19/2020	7:02	5/19/20 7:02	45.91
5/19/2020	8:02	5/19/20 8:02	45.88
5/19/2020	9:12	5/19/20 9:12	45.85
5/19/2020	10:05	5/19/20 10:05	45.78
5/19/2020	11:20	5/19/20 11:20	45.77
5/19/2020	12:17	5/19/20 12:17	45.70
5/19/2020	13:29	5/19/20 13:29	45.65
5/19/2020	14:20	5/19/20 14:20	45.61
5/19/2020	15:29	5/19/20 15:29	45.60
5/19/2020	15:58	5/19/20 15:58	45.71
5/20/2020	7:40	5/20/20 7:40	45.89

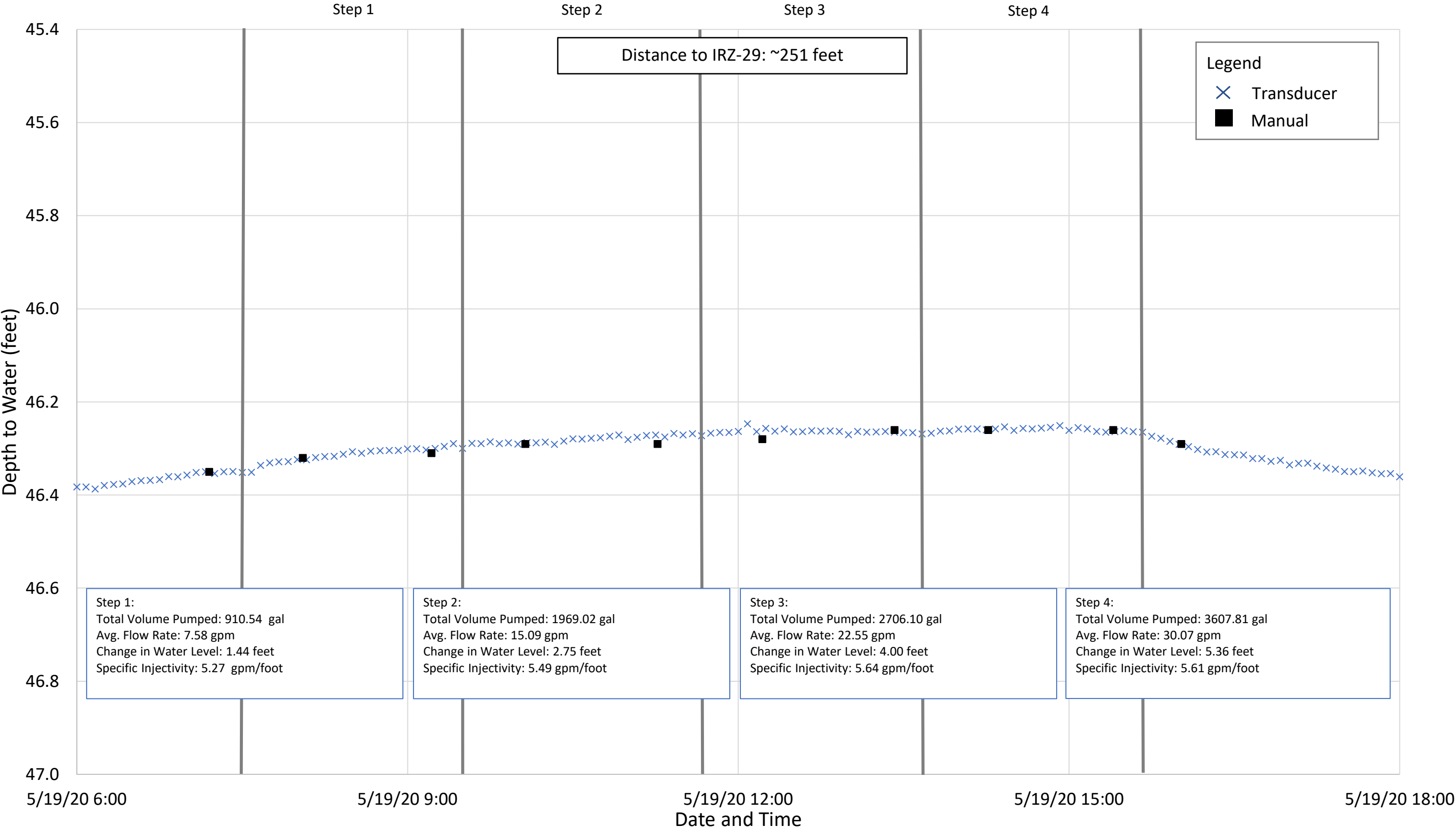
Acronyms & Abbreviations

bgs = below ground surface

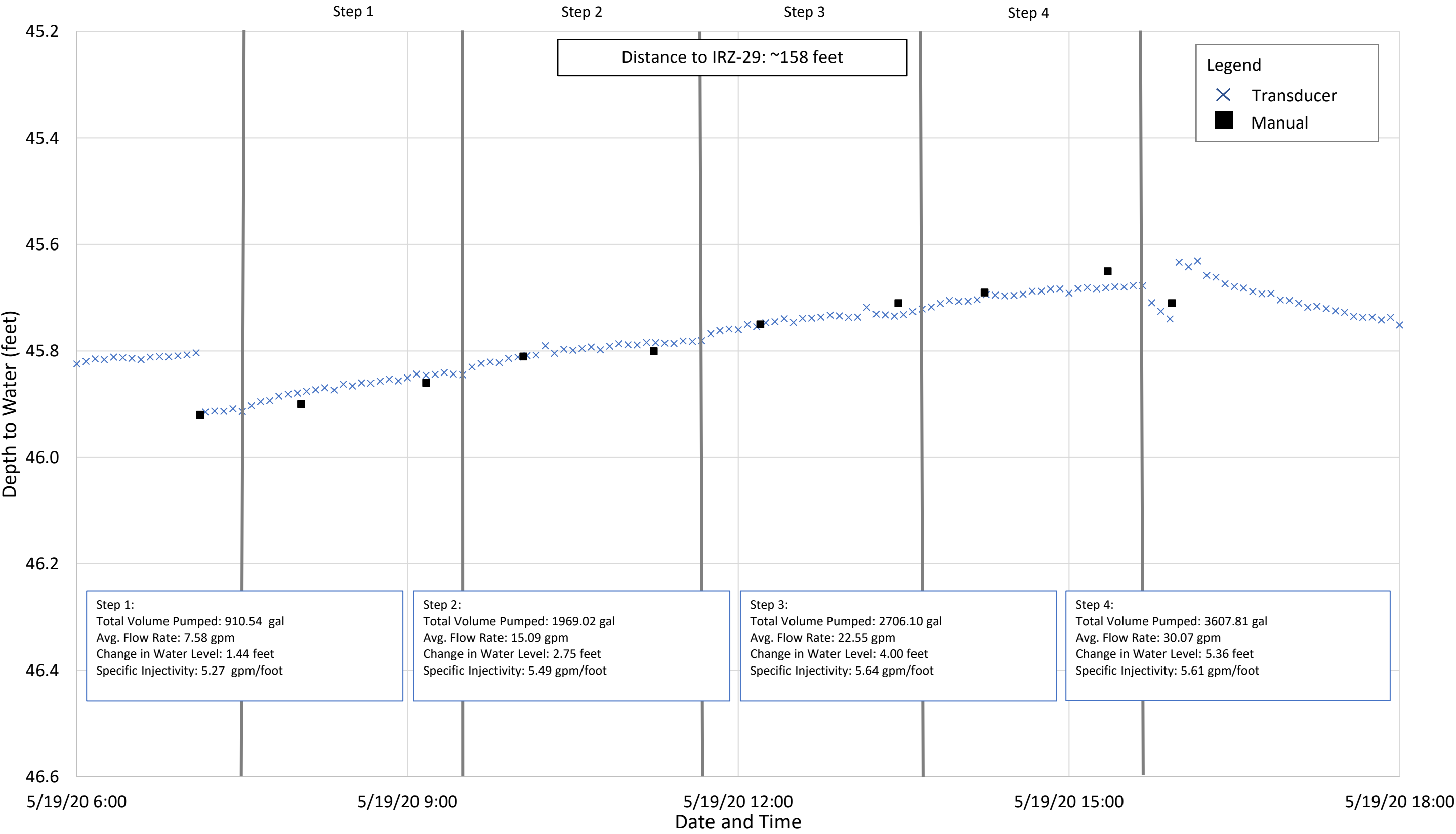
MW-78-070 During IRZ-29 Upper Screen (48 to 77 feet) Injectivity Test



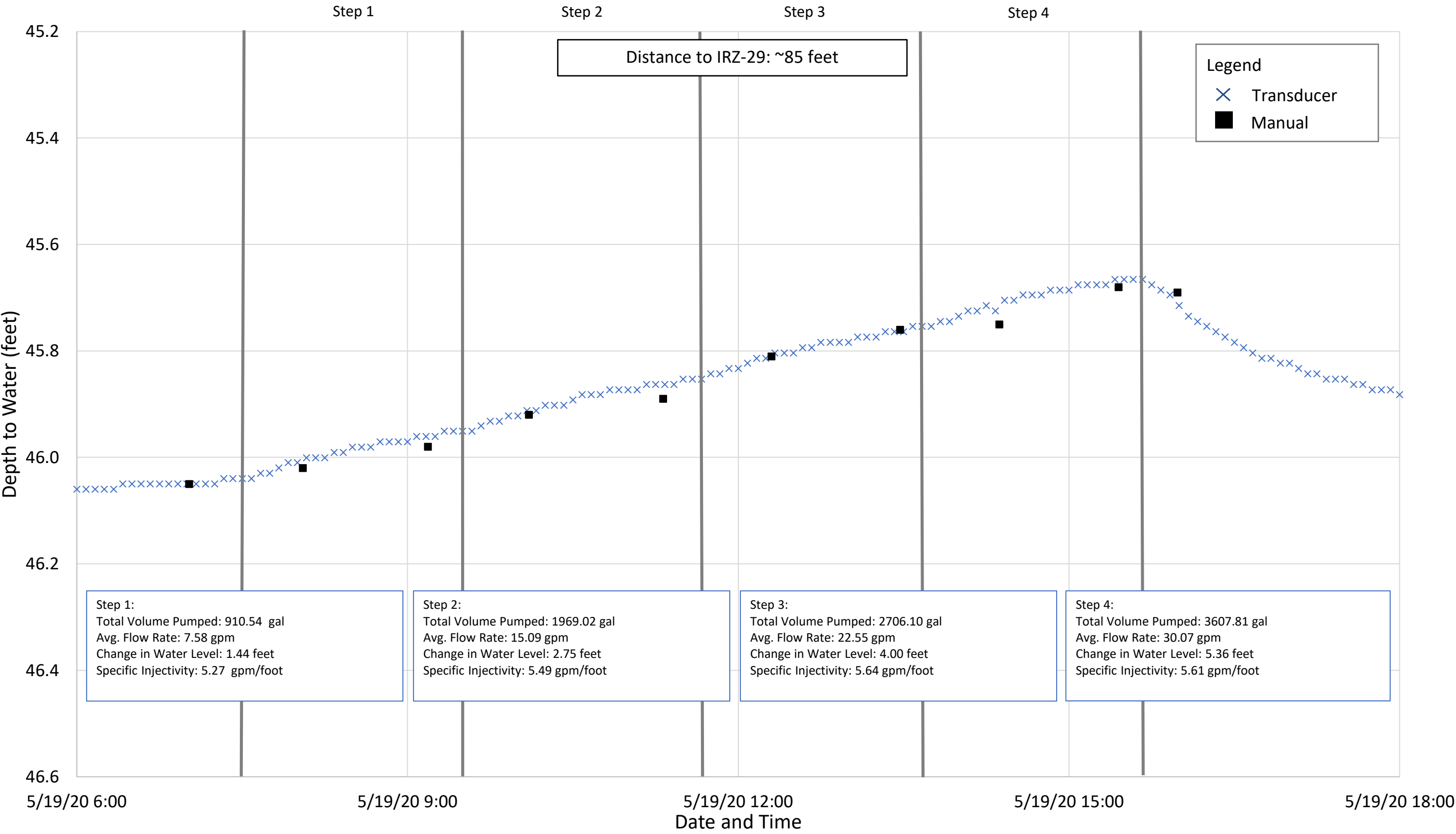
MW-78-142 During IRZ-29 Upper Screen (48 to 77 feet) Injectivity Test



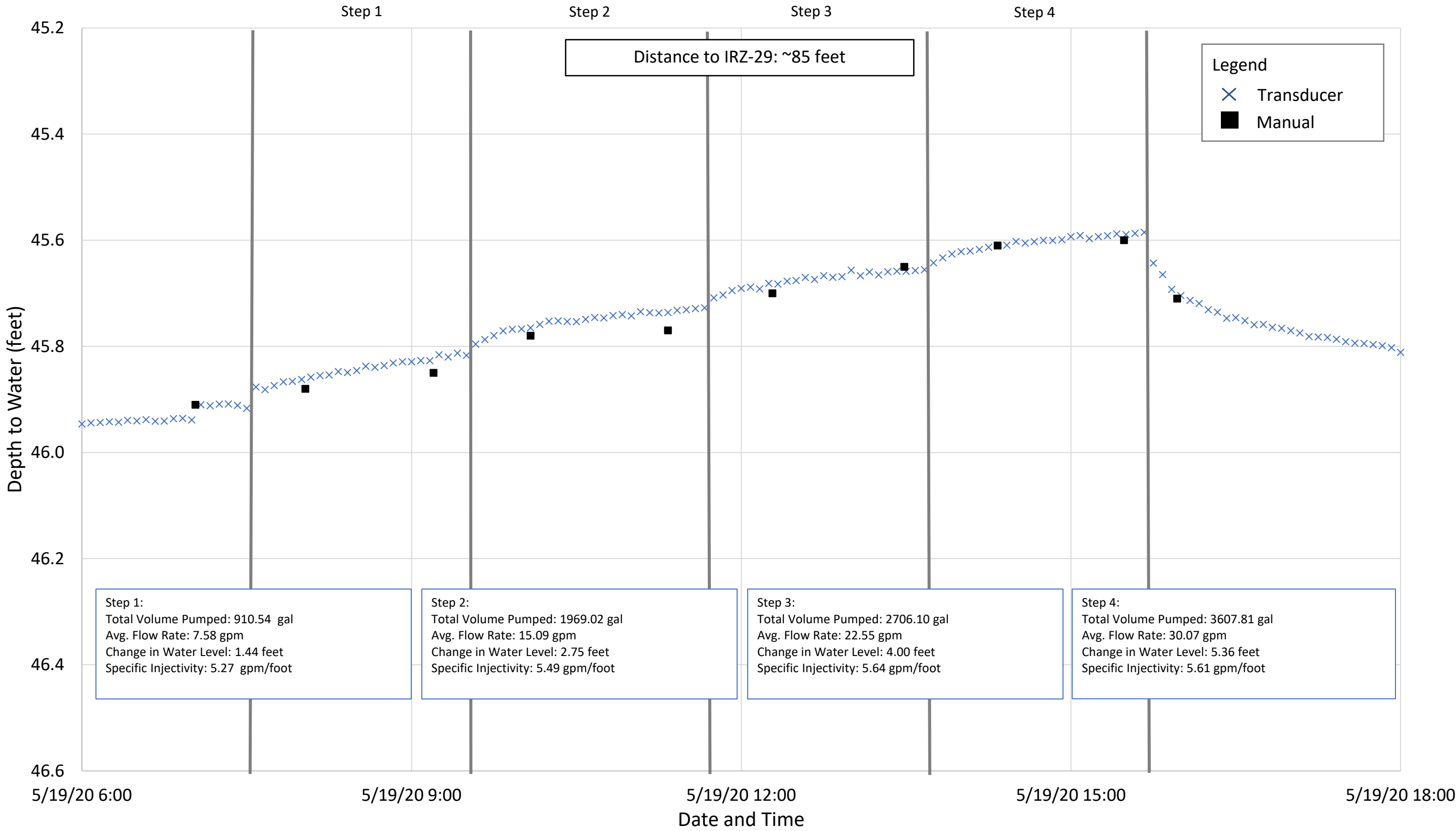
IRZ-27 During IRZ-29 Upper Screen (48 to 77 feet) Injectivity Test



MW-79-60 During IRZ-29 Upper Screen (48 to 77 feet) Injectivity Test



MW-79-104 During IRZ-29 Upper Screen (48 to 77 feet) Injectivity Test



Specific Capacity Testing

Location/Well ID	IRZ-29
Date	5/13/2020
Screened Interval Tested	Upper (48 to 77 feet bgs)
Packer Set Depth	87.5 to 91.5 feet btoc
Packer Seal Test	Confirmed packer to be watertight before test
Tests Conducted	Four-step specific capacity test (7.5, 15, 22.5, and 45 gpm)
Purpose	Well performance test
Summary	Specific capacity: 4.14 to 5.21 gpm/foot
Notes	Pump was shut off at 1400 due to pressure build up in the line due to a valve inadvertently closed. Restart test at 1420 at max pump capacity rate.
Oversight Signature	
Date	7/31/2020

Acronyms & Abbreviations

bgs = below ground surface

btoc = below top of casing

gpm = gallons per minute

Specific Capacity Test

Location/Well ID	IRZ-29 Upper
Date	5/13/2020
Screened Interval	48 to 77 feet bgs
Pump Depth (feet btoc)	72.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.51
Initial Water Level Within 48 to 77 feet btoc	46.49
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	10664.60
Approx Pumped Volume (gal)	10664.60
Calculated Volume Purged (gal)	10646.00
Difference in Volume Pumped vs. Calculated	18.60
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 45 gpm

Step 1 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time (min)	Pumping Rate (gpm)	Total Volume pumped (gal)	Depth to Water (feet)	Drawdown (feet)
8:10:00	0	0	0.00	0.00	46.51	0.00
8:10:20	0.3	0.33	2.81	0.94	46.94	0.43
8:10:40	0.3	0.67	3.58	2.13	46.97	0.46
8:11:00	0.3	1.00	6.43	4.27	47.15	0.64
8:12:00	1.0	2.00	7.70	11.97	47.49	0.98
8:13:00	1.0	3.00	7.51	19.48	47.59	1.08
8:14:00	1.0	4.00	7.63	27.11	47.65	1.14
8:15:00	1.0	5.00	7.56	34.67	47.69	1.18
8:16:00	1.0	6.00	7.54	42.21	47.71	1.20
8:17:00	1.0	7.00	7.58	49.79	47.73	1.22
8:18:00	1.0	8.00	7.58	57.37	47.74	1.23
8:19:00	1.0	9.00	7.56	64.93	47.75	1.24
8:20:00	1.0	10.00	7.56	72.49	47.76	1.25
8:22:00	2.0	12.00	7.54	87.57	47.79	1.28
8:24:00	2.0	14.00	7.52	102.61	47.80	1.29
8:26:00	2.0	16.00	7.51	117.63	47.80	1.29
8:28:00	2.0	18.00	7.56	132.75	47.81	1.30
8:30:00	2.0	20.00	7.54	147.83	47.82	1.31
8:32:00	2.0	22.00	7.54	162.91	47.82	1.31
8:34:00	2.0	24.00	7.58	178.07	47.83	1.32
8:36:00	2.0	26.00	7.58	193.23	47.85	1.34
8:38:00	2.0	28.00	7.58	208.39	47.85	1.34
8:40:00	2.0	30.00	7.49	223.37	47.85	1.34
8:45:00	5.0	35.00	7.71	261.92	47.87	1.36
8:50:00	5.0	40.00	7.71	300.47	47.89	1.38
8:55:00	5.0	45.00	7.58	338.37	47.88	1.37
9:00:00	5.0	50.00	7.54	376.07	47.88	1.37
9:05:00	5.0	55.00	7.51	413.62	47.88	1.37
9:10:00	5.0	60.00	7.49	451.07	47.89	1.38
9:20:00	10.0	70.00	7.61	527.17	47.90	1.39
9:30:00	10.0	80.00	7.60	603.17	47.90	1.39
9:40:00	10.0	90.00	7.60	679.17	47.91	1.40
9:50:00	10.0	100.00	7.60	755.17	47.91	1.40
10:00:00	10.0	110.00	7.60	831.17	47.91	1.40
10:10:00	10.0	120.00	7.60	907.17	47.91	1.40
Total Volume Pumped for Step 1 (gal)			907.17			
Average Pumping Rate (gpm)			7.28			
Specific Capacity (gpm/foot)			5.20			

Specific Capacity Test

Location/Well ID	IRZ-29 Upper
Date	5/13/2020
Screened Interval	48 to 77 feet bgs
Pump Depth (feet btoc)	72.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.51
Initial Water Level Within 48 to 77 feet btoc	46.49
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	10664.60
Approx Pumped Volume (gal)	10664.60
Calculated Volume Purged (gal)	10646.00
Difference in Volume Pumped vs. Calculated	18.60
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 45 gpm

Step 2 - Time (HR:MN:SEC)	Change in Time Between measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (gal)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 2 Start (min)
10:10:20	0.3	120.33	13.67	911.73	48.24	1.73	0.33
10:10:40	0.3	120.67	15.34	916.84	48.58	2.07	0.67
10:11:00	0.3	121.00	15.24	921.92	48.76	2.25	1.00
10:12:00	1.0	122.00	15.05	936.97	49.00	2.49	2.00
10:13:00	1.0	123.00	15.40	952.37	49.09	2.58	3.00
10:14:00	1.0	124.00	15.15	967.52	49.15	2.64	4.00
10:15:00	1.0	125.00	15.15	982.67	49.18	2.67	5.00
10:16:00	1.0	126.00	15.28	997.95	49.21	2.70	6.00
10:17:00	1.0	127.00	15.24	1013.19	49.25	2.74	7.00
10:18:00	1.0	128.00	15.24	1028.43	49.27	2.76	8.00
10:19:00	1.0	129.00	15.24	1043.67	49.28	2.77	9.00
10:20:00	1.0	130.00	15.24	1058.91	49.30	2.79	10.00
10:22:00	2.0	132.00	15.24	1089.39	49.32	2.81	12.00
10:24:00	2.0	134.00	15.24	1119.87	49.32	2.81	14.00
10:26:00	2.0	136.00	15.24	1150.35	49.34	2.83	16.00
10:28:00	2.0	138.00	15.24	1180.83	49.36	2.85	18.00
10:30:00	2.0	140.00	15.22	1211.27	49.36	2.85	20.00
10:32:00	2.0	142.00	15.23	1241.73	49.37	2.86	22.00
10:34:00	2.0	144.00	15.22	1272.17	49.38	2.87	24.00
10:36:00	2.0	146.00	15.22	1302.61	49.39	2.88	26.00
10:38:00	2.0	148.00	15.20	1333.01	49.39	2.88	28.00
10:40:00	2.0	150.00	15.20	1363.41	49.39	2.88	30.00
10:45:00	5.0	155.00	15.20	1439.41	49.41	2.90	35.00
10:50:00	5.0	160.00	15.20	1515.41	49.41	2.90	40.00
10:55:00	5.0	165.00	15.18	1591.31	49.42	2.91	45.00
11:00:00	5.0	170.00	15.22	1667.41	49.42	2.91	50.00
11:05:00	5.0	175.00	15.20	1743.41	49.43	2.92	55.00
11:10:00	5.0	180.00	15.20	1819.41	49.44	2.93	60.00
11:20:00	10.0	190.00	15.18	1971.21	49.45	2.94	70.00
11:30:00	10.0	200.00	15.18	2123.01	49.45	2.94	80.00
11:40:00	10.0	210.00	15.18	2274.81	49.45	2.94	90.00
11:50:00	10.0	220.00	15.03	2425.11	49.44	2.93	100.00
12:00:00	10.0	230.00	15.13	2576.41	49.45	2.94	110.00
12:10:00	10.0	240.00	15.13	2727.71	49.45	2.94	120.00
Total Volume Pumped for Step 2 (gal)			1820.54				
Average Pumping Rate (gpm)			15.16				
Specific Capacity (gpm/foot)			5.16				

Specific Capacity Test

Location/Well ID	IRZ-29 Upper
Date	5/13/2020
Screened Interval	48 to 77 feet bgs
Pump Depth (feet btoc)	72.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.51
Initial Water Level Within 48 to 77 feet btoc	46.49
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	10664.60
Approx Pumped Volume (gal)	10664.60
Calculated Volume Purged (gal)	10646.00
Difference in Volume Pumped vs. Calculated	18.60
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 45 gpm

Step 3 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 3 Start (min)
12:10:20	0.3	240.33	23.04	2735.39	49.87	3.36	0.33
12:10:40	0.3	240.67	22.72	2742.97	50.13	3.62	0.67
12:11:00	0.3	241.00	22.71	2750.54	50.30	3.79	1.00
12:12:00	1.0	242.00	22.60	2773.14	50.55	4.04	2.00
12:13:00	1.0	243.00	22.66	2795.80	50.77	4.26	3.00
12:14:00	1.0	244.00	22.66	2818.46	50.74	4.23	4.00
12:15:00	1.0	245.00	22.63	2841.09	50.79	4.28	5.00
12:16:00	1.0	246.00	22.60	2863.69	50.82	4.31	6.00
12:17:00	1.0	247.00	22.36	2886.05	50.83	4.32	7.00
12:18:00	1.0	248.00	22.46	2908.51	50.84	4.33	8.00
12:19:00	1.0	249.00	22.44	2930.95	50.86	4.35	9.00
12:20:00	1.0	250.00	22.53	2953.48	50.87	4.36	10.00
12:22:00	2.0	252.00	22.54	2998.56	50.92	4.41	12.00
12:24:00	2.0	254.00	22.64	3043.84	50.93	4.42	14.00
12:26:00	2.0	256.00	22.60	3089.04	50.95	4.44	16.00
12:28:00	2.0	258.00	22.54	3134.12	50.95	4.44	18.00
12:30:00	2.0	260.00	22.60	3179.32	50.97	4.46	20.00
12:32:00	2.0	262.00	22.58	3224.48	50.98	4.47	22.00
12:34:00	2.0	264.00	22.64	3269.76	50.98	4.47	24.00
12:36:00	2.0	266.00	22.56	3314.88	50.98	4.47	26.00
12:38:00	2.0	268.00	22.63	3360.14	51.00	4.49	28.00
12:40:00	2.0	270.00	22.61	3405.36	51.01	4.50	30.00
12:45:00	5.0	275.00	22.64	3518.56	51.03	4.52	35.00
12:50:00	5.0	280.00	22.58	3631.46	51.04	4.53	40.00
12:55:00	5.0	285.00	22.60	3744.46	51.04	4.53	45.00
13:00:00	5.0	290.00	22.66	3857.76	51.06	4.55	50.00
13:05:00	5.0	295.00	22.60	3970.76	51.07	4.56	55.00
13:10:00	5.0	300.00	22.54	4083.46	51.08	4.57	60.00
13:20:00	10.0	310.00	22.66	4310.06	51.09	4.58	70.00
13:30:00	10.0	320.00	22.63	4536.36	51.10	4.59	80.00
13:40:00	10.0	330.00	22.63	4762.66	51.12	4.61	90.00
13:50:00	10.0	340.00	22.66	4989.26	51.12	4.61	100.00
14:00:00	10.0	350.00	22.66	5215.86	Stop Pumping		110.00
14:20:00	20.0	370.00	0.00	5215.86	46.75	0.24	130.00
Total Volume Pumped for Step 3 (gal)			2488.14				
Average Pumping Rate (gpm)			22.61				
Specific Capacity (gpm/foot)			4.91				

Specific Capacity Test

Location/Well ID	IRZ-29 Upper
Date	5/13/2020
Screened Interval	48 to 77 feet bgs
Pump Depth (feet btoc)	72.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.51
Initial Water Level Within 48 to 77 feet btoc	46.49
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	10664.60
Approx Pumped Volume (gal)	10664.60
Calculated Volume Purged (gal)	10646.00
Difference in Volume Pumped vs. Calculated	18.60
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 45 gpm

Step 4 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 4 Start (min)
14:20:20	0.3	370.33	44.56	5230.71	49.25	2.74	0.33
14:20:40	0.3	370.67	46.06	5246.06	51.20	4.69	0.33
14:21:00	0.3	371.00	45.88	5261.36	51.85	5.34	0.67
14:22:00	1.0	372.00	45.60	5306.96	53.65	7.14	1.67
14:23:00	1.0	373.00	45.48	5352.44	54.55	8.04	2.67
14:24:00	1.0	374.00	45.43	5397.87	55.08	8.57	3.67
14:25:00	1.0	375.00	45.38	5443.25	55.41	8.90	4.67
14:26:00	1.0	376.00	45.34	5488.59	55.84	9.33	5.67
14:27:00	1.0	377.00	45.33	5533.92	55.83	9.32	6.67
14:28:00	1.0	378.00	45.31	5579.23	56.00	9.49	7.67
14:29:00	1.0	379.00	45.31	5624.54	56.08	9.57	8.67
14:30:00	1.0	380.00	45.30	5669.84	56.16	9.65	9.67
14:32:00	2.0	382.00	45.26	5760.36	56.33	9.82	11.67
14:34:00	2.0	384.00	45.24	5850.84	56.44	9.93	13.67
14:36:00	2.0	386.00	45.24	5941.32	56.51	10.00	15.67
14:38:00	2.0	388.00	45.23	6031.78	56.59	10.08	17.67
14:40:00	2.0	390.00	45.23	6122.24	56.65	10.14	19.67
14:42:00	2.0	392.00	45.23	6212.70	56.71	10.20	21.67
14:44:00	2.0	394.00	45.23	6303.16	56.76	10.25	23.67
14:46:00	2.0	396.00	45.24	6393.64	56.80	10.29	25.67
14:48:00	2.0	398.00	45.24	6484.12	56.85	10.34	27.67
14:50:00	2.0	400.00	45.24	6574.60	56.89	10.38	29.67
14:55:00	5.0	405.00	45.20	6800.60	56.98	10.47	34.67
15:00:00	5.0	410.00	45.28	7027.00	57.04	10.53	39.67
15:05:00	5.0	415.00	45.26	7253.30	57.10	10.59	44.67
15:10:00	5.0	420.00	45.24	7479.50	57.15	10.64	49.67
15:15:00	5.0	425.00	45.24	7705.70	57.19	10.68	54.67
15:20:00	5.0	430.00	45.24	7931.90	57.23	10.72	59.67
15:30:00	10.0	440.00	45.23	8384.20	57.30	10.79	69.67
15:40:00	10.0	450.00	45.24	8836.60	57.36	10.85	79.67
15:50:00	10.0	460.00	45.24	9289.00	57.41	10.90	89.67
16:00:00	10.0	470.00	45.21	9741.10	57.43	10.92	99.67
16:10:00	10.0	480.00	45.26	10193.70	57.42	10.91	109.67
16:20:00	10.0	490.00	45.23	10646.00	57.46	10.95	119.67
16:21:00	1.0	491.00	0.00	10646.00	50.95	4.44	120.67
16:22:00	1.0	492.00	0.00	10646.00	49.30	2.79	121.67
16:23:00	1.0	493.00	0.00	10646.00	48.44	1.93	122.67
16:24:00	1.0	494.00	0.00	10646.00	48.08	1.57	123.67
16:25:00	1.0	495.00	0.00	10646.00	47.87	1.36	124.67
16:26:00	1.0	496.00	0.00	10646.00	47.73	1.22	125.67
16:27:00	1.0	497.00	0.00	10646.00	47.62	1.11	126.67

Specific Capacity Test

Location/Well ID	IRZ-29 Upper
Date	5/13/2020
Screened Interval	48 to 77 feet bgs
Pump Depth (feet btoc)	72.00
Packer Depth (feet btoc)	87.50
Packer Leak Test (Pass/Fail)	Pass
Initial Water Level Within 91 to 121 feet btoc	46.51
Initial Water Level Within 48 to 77 feet btoc	46.49
Initial Totalizer Reading (gal)	0.00
Final Totalizer Reading (gal)	10664.60
Approx Pumped Volume (gal)	10664.60
Calculated Volume Purged (gal)	10646.00
Difference in Volume Pumped vs. Calculated	18.60
Number of Specific Capacity Steps	4
Pumping Rates (in order)	7.5, 15, 22.5, and 45 gpm

Step 4 - Time (HR:MN:SEC)	Change in Time Between Measurements (min)	Elapsed Time from Test Start (min)	Pumping Rate (gpm)	Total Volume Pumped (Gallons)	Depth to Water (feet)	Drawdown (feet)	Elapsed Time from Step 4 Start (min)
16:28:00	1.0	498.00	0.00	10646.00	47.54	1.03	127.67
16:29:00	1.0	499.00	0.00	10646.00	47.47	0.96	128.67
16:30:00	1.0	500.00	0.00	10646.00	47.40	0.89	129.67
Total Volume Pumped for Step 4 (gal)			5430.14				
Average Pumping Rate (gpm)			45.30				
Specific Capacity (gpm/foot)			4.14				

Acronyms & Abbreviations

bgs = below ground surface

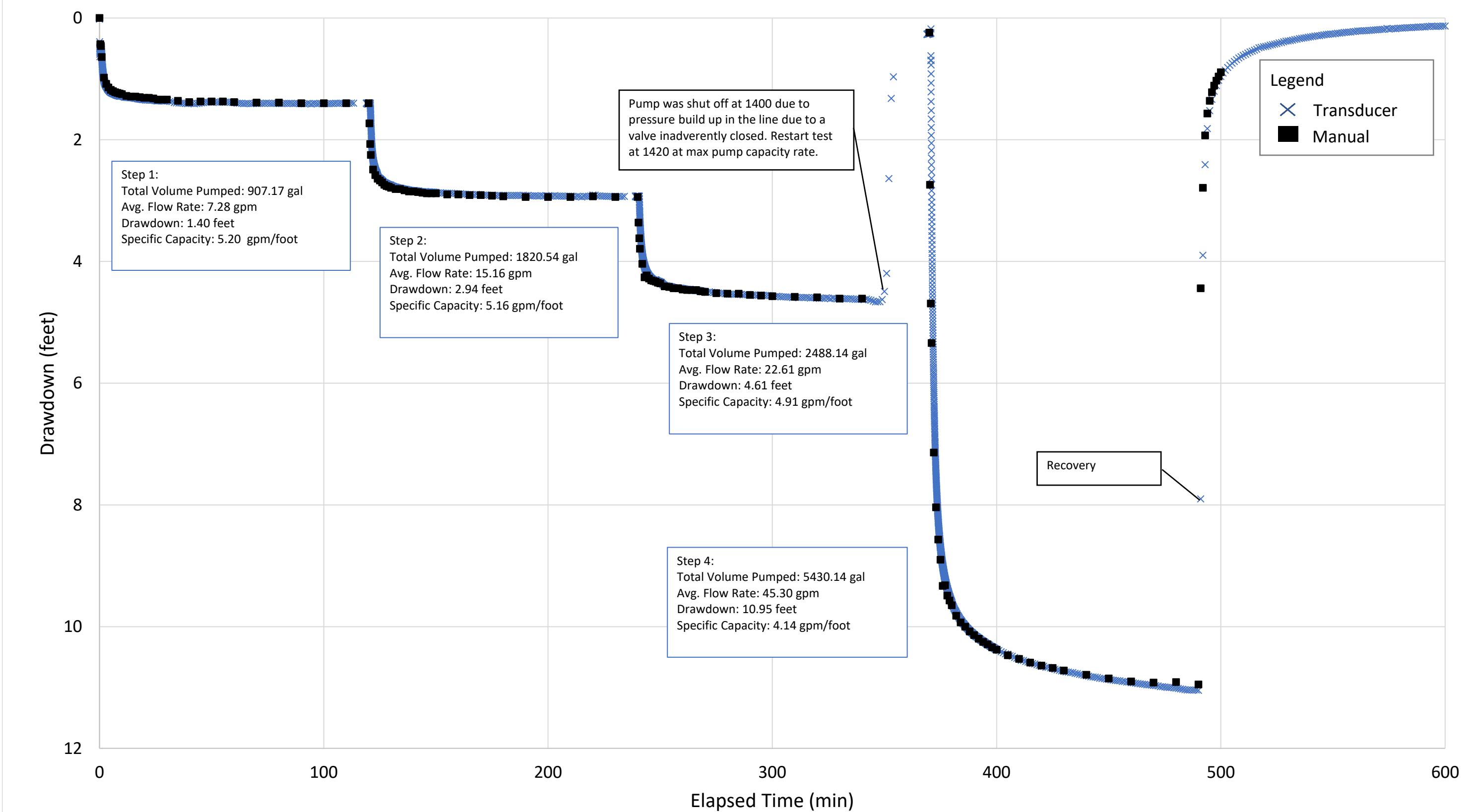
btoc = below top of casing

gal = gallons

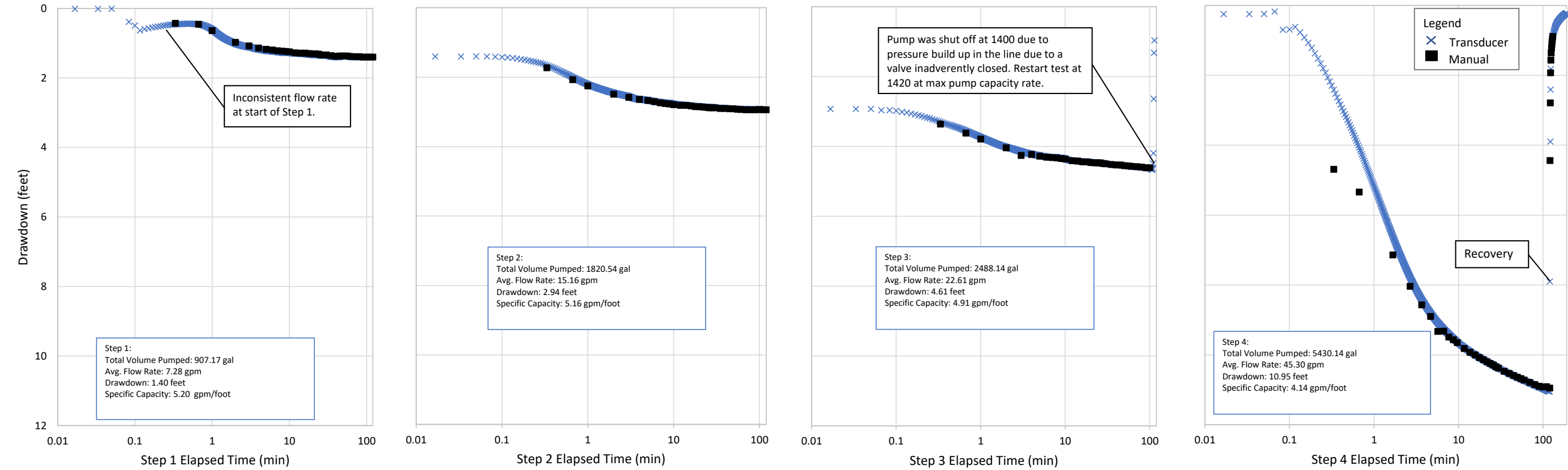
gpm = gallons per minute

min = minutes

IRZ-29 Upper Screen (48 to 77 feet) Linear Drawdown Plot



IRZ-29 Upper Screen (48 to 77 ft) Semi-Log Drawdown Plot



Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-070
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:47	5/12/20 8:47	45.60
5/12/2020	9:41	5/12/20 9:41	45.57
5/12/2020	10:35	5/12/20 10:35	45.56
5/12/2020	11:49	5/12/20 11:49	45.54
5/12/2020	12:35	5/12/20 12:35	45.53
5/12/2020	13:44	5/12/20 13:44	45.52
5/12/2020	14:32	5/12/20 14:32	45.55
5/12/2020	14:44	5/12/20 14:44	45.53
5/12/2020	16:37	5/12/20 16:37	45.59
5/12/2020	17:42	5/12/20 17:42	45.61
5/12/2020	18:13	5/12/20 18:13	45.60
5/13/2020	7:30	5/13/20 7:30	45.49
5/13/2020	8:46	5/13/20 8:46	45.48
5/13/2020	10:43	5/13/20 10:43	45.47
5/13/2020	11:54	5/13/20 11:54	45.44
5/13/2020	12:42	5/13/20 12:42	45.42
5/13/2020	13:49	5/13/20 13:49	45.45
5/13/2020	14:53	5/13/20 14:53	45.46
5/13/2020	16:04	5/13/20 16:04	45.49
5/13/2020	16:37	5/13/20 16:37	45.50
5/14/2020	7:58	5/14/20 7:58	45.39

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-78-142
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	251 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:50	5/12/20 8:50	45.32
5/12/2020	9:39	5/12/20 9:39	45.30
5/12/2020	10:36	5/12/20 10:36	45.30
5/12/2020	11:48	5/12/20 11:48	45.29
5/12/2020	12:36	5/12/20 12:36	45.29
5/12/2020	13:44	5/12/20 13:44	45.32
5/12/2020	14:34	5/12/20 14:34	45.37
5/12/2020	13:43	5/12/20 13:43	45.40
5/12/2020	16:38	5/12/20 16:38	45.52
5/12/2020	17:40	5/12/20 17:40	45.60
5/12/2020	18:14	5/12/20 18:14	45.50
5/13/2020	7:31	5/13/20 7:31	45.28
5/13/2020	8:45	5/13/20 8:45	45.26
5/13/2020	10:44	5/13/20 10:44	45.27
5/13/2020	11:53	5/13/20 11:53	45.27
5/13/2020	12:43	5/13/20 12:43	45.27
5/13/2020	13:48	5/13/20 13:48	45.30
5/13/2020	14:54	5/13/20 14:54	45.35
5/13/2020	16:03	5/13/20 16:03	45.41
5/13/2020	16:39	5/13/20 16:39	45.40
5/14/2020	7:23	5/14/20 7:23	45.79

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	IRZ-27
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	158 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:43	5/12/20 8:43	45.58
5/12/2020	9:43	5/12/20 9:43	45.54
5/12/2020	10:34	5/12/20 10:34	45.55
5/12/2020	11:47	5/12/20 11:47	45.54
5/12/2020	12:34	5/12/20 12:34	45.56
5/12/2020	13:45	5/12/20 13:45	45.55
5/12/2020	14:30	5/12/20 14:30	45.60
5/12/2020	15:42	5/12/20 15:42	45.61
5/12/2020	16:35	5/12/20 16:35	45.81
5/12/2020	17:40	5/12/20 17:40	45.87
5/12/2020	18:10	5/12/20 18:10	45.71
5/13/2020	7:26	5/13/20 7:26	45.71
5/13/2020	8:44	5/13/20 8:44	45.55
5/13/2020	10:41	5/13/20 10:41	45.59
5/13/2020	11:51	5/13/20 11:51	45.58
5/13/2020	12:44	5/13/20 12:44	45.59
5/13/2020	13:50	5/13/20 13:50	45.60
5/13/2020	14:51	5/13/20 14:51	45.68
5/13/2020	16:02	5/13/20 16:02	45.75
5/13/2020	16:32	5/13/20 16:32	45.68
5/14/2020	7:37	5/14/20 7:37	45.45

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

Location/Well ID	MW-79-060
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:35	5/12/20 8:35	46.11
5/12/2020	9:56	5/12/20 9:56	46.07
5/12/2020	10:31	5/12/20 10:31	46.10
5/12/2020	11:48	5/12/20 11:48	46.10
5/12/2020	12:32	5/12/20 12:32	46.09
5/12/2020	13:43	5/12/20 13:43	46.11
5/12/2020	14:32	5/12/20 14:32	46.12
5/12/2020	16:32	5/12/20 16:32	46.21
5/12/2020	17:45	5/12/20 17:45	46.31
5/12/2020	18:12	5/12/20 18:12	46.28
5/13/2020	7:32	5/13/20 7:32	46.06
5/13/2020	8:50	5/13/20 8:50	46.06
5/13/2020	10:46	5/13/20 10:46	46.11
5/13/2020	11:55	5/13/20 11:55	46.13
5/13/2020	12:42	5/13/20 12:42	46.13
5/13/2020	13:53	5/13/20 13:53	46.17
5/13/2020	14:57	5/13/20 14:57	46.22
5/13/2020	16:08	5/13/20 16:08	46.37
5/13/2020	16:36	5/13/20 16:36	46.34
5/14/2020	7:22	5/14/20 7:22	46.02

Acronyms & Abbreviations

bgs = below ground surface

Specific Capacity/ Injection Test Monitoring Point

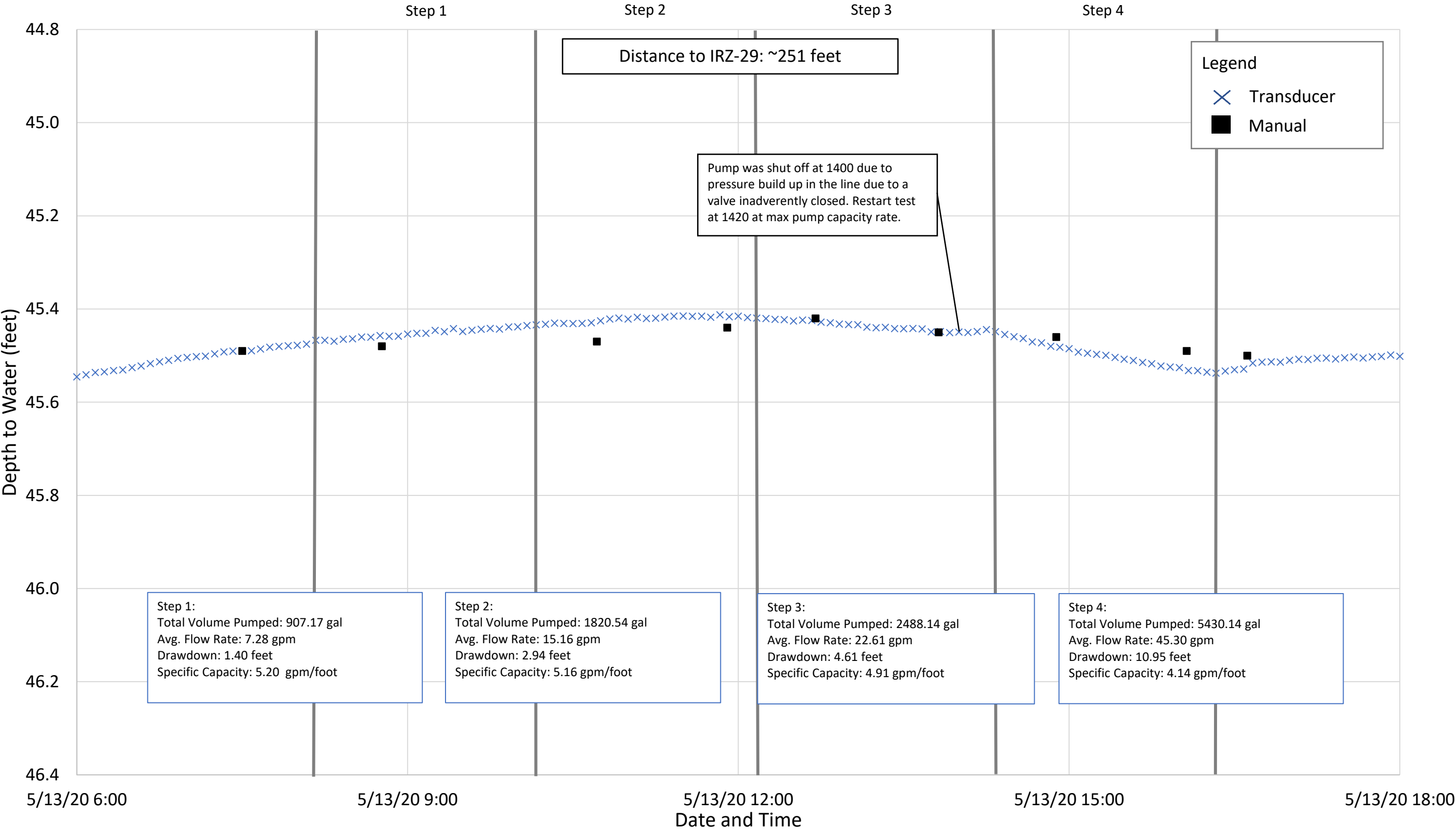
Location/Well ID	MW-79-104
Well Being Tested	IRZ-29 Upper
Screened Interval of Well Being Tested	92 to 121 feet bgs
Approximate Distance from Testing Well	85 feet

Date	Time	Date and Time	Depth to Water
5/12/2020	8:36	5/12/20 8:36	45.87
5/12/2020	9:55	5/12/20 9:55	45.85
5/12/2020	10:30	5/12/20 10:30	45.95
5/12/2020	11:50	5/12/20 11:50	45.93
5/12/2020	12:31	5/12/20 12:31	46.01
5/12/2020	13:45	5/12/20 13:45	46.02
5/12/2020	14:32	5/12/20 14:32	46.12
5/12/2020	15:43	5/12/20 15:43	46.14
5/12/2020	16:33	5/12/20 16:33	46.47
5/12/2020	17:44	5/12/20 17:44	46.55
5/12/2020	18:13	5/12/20 18:13	45.95
5/13/2020	7:34	5/13/20 7:34	45.83
5/13/2020	8:48	5/13/20 8:48	45.85
5/13/2020	10:47	5/13/20 10:47	45.90
5/13/2020	11:54	5/13/20 11:54	45.90
5/13/2020	12:43	5/13/20 12:43	45.91
5/13/2020	13:52	5/13/20 13:52	45.92
5/13/2020	14:57	5/13/20 14:57	46.05
5/13/2020	16:07	5/13/20 16:07	46.12
5/13/2020	16:37	5/13/20 16:37	45.94
5/14/2020	7:57	5/14/20 7:57	45.21

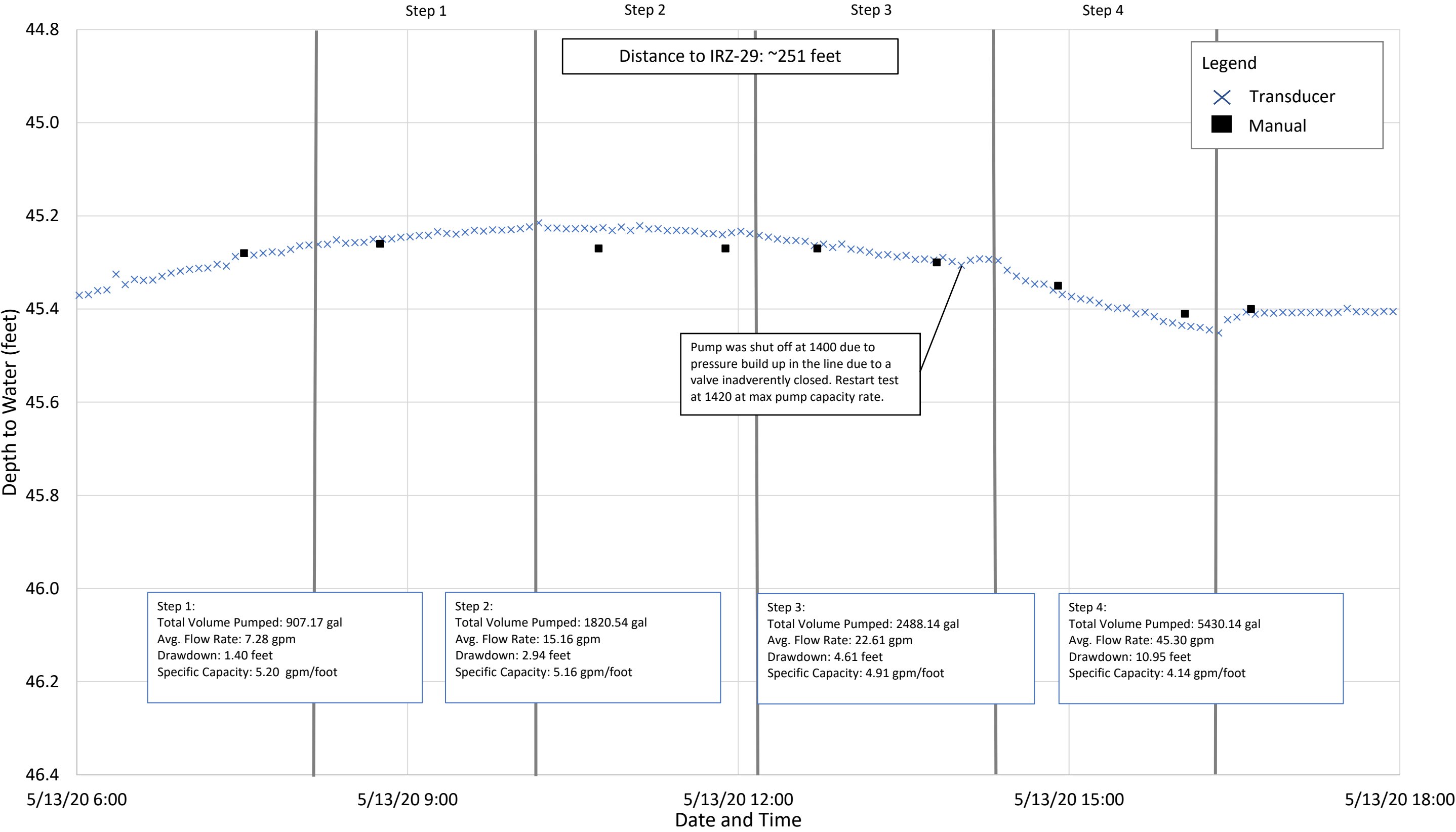
Acronyms & Abbreviations

bgs = below ground surface

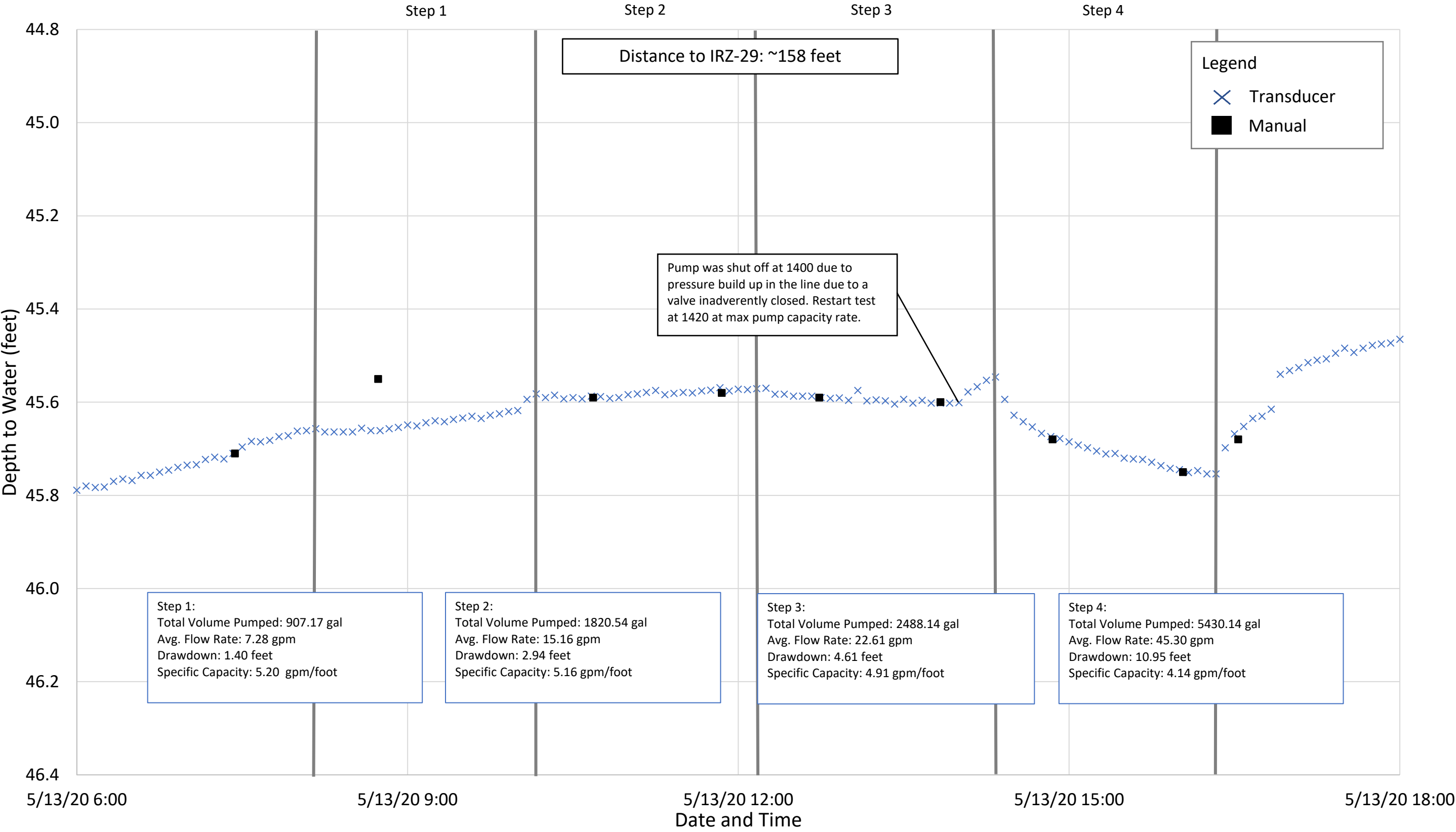
MW-78-070 During IRZ-29 Upper Screen (48 to 77 feet) Specific Capacity Test



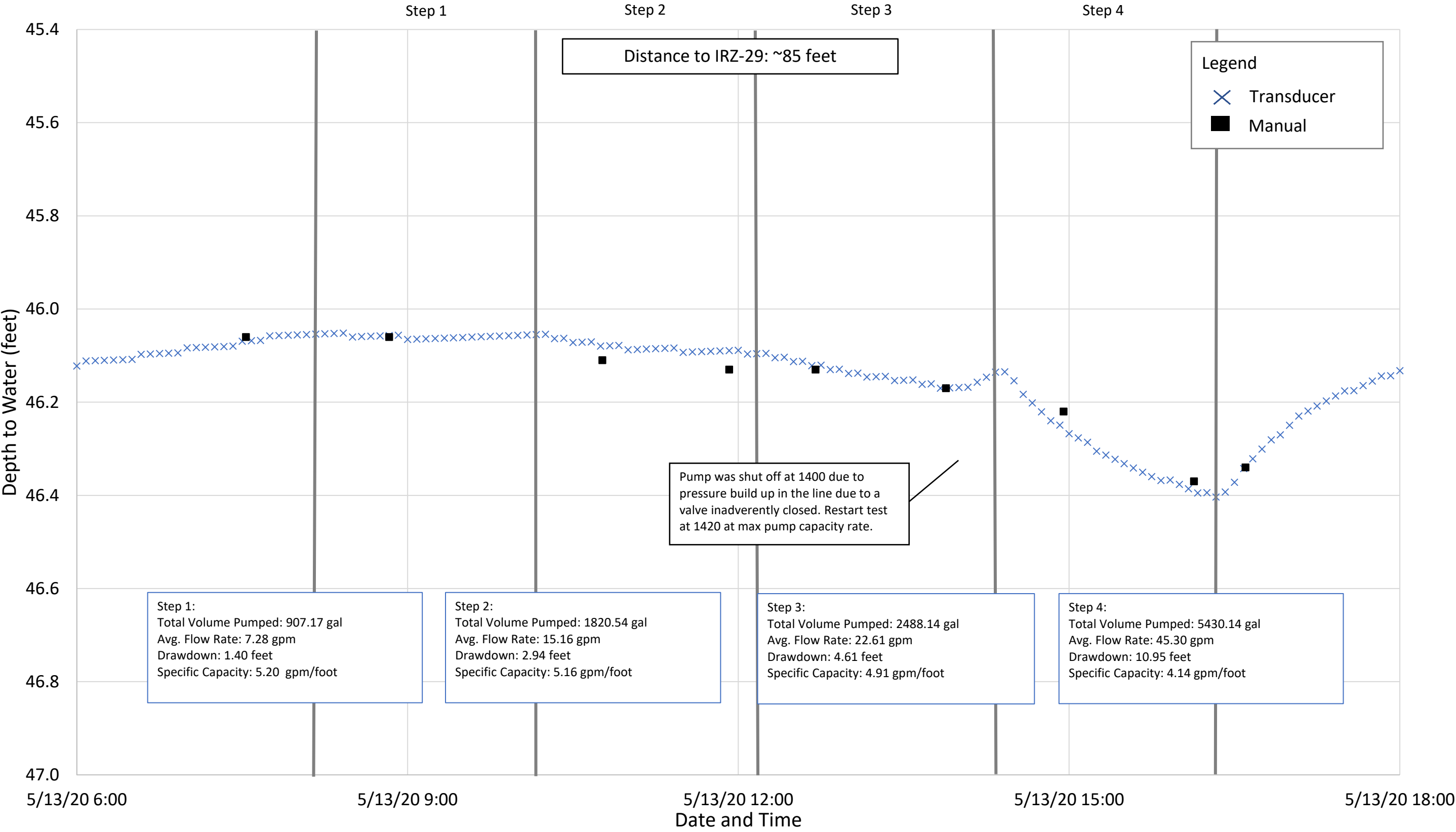
MW-78-142 During IRZ-29 Upper Screen (48 to 77 feet) Specific Capacity Test



IRZ-27 During IRZ-29 Upper Screen (48 to 77 feet) Specific Capacity Test



MW-79-060 During IRZ-29 Upper Screen (48 to 77 feet) Specific Capacity Test



MW-79-104 During IRZ-29 Upper Screen (48 to 77 feet) Specific Capacity Test

