

Monitoring well measurement data

Pueblo East Pit

Monitoring Hole #		1			2			3			4			5			6			7			8		
Alternative Name		MH-1			MH-2			THM-1			CR24			CR6			CR10			THR10			MH-8		
Permit No.		279124			262268			277098			046817-MH, 277131			46206-MH, 277133			046814-MH, 277135			WDID: 1406466			57688-MH		
Surface Elevation (feet)		4532.0			4533.0			4536.7			4542.1			4525.3			4528.4			4535.6			4535.6		
Height of Stickup Casing (feet)		2.5			2.7			3.0			2.6			2.8			2.9			2.7			3.0		
Date (Month)	Date of Reading	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft	DTW, toc (ft)	Difference	GW Elev. Ft
Nov-2017	(NA) Mid Month	12.9		4521.6	12.6		4523.1	23.0		4516.7	32.0		4512.7	17.2		4510.9	21.7		4509.6	15.9		4522.4			
Dec-2017	(NA) Mid Month	12.8	0.1	4521.7	12.9	-0.3	4522.8	24.4	-1.4	4515.3	32.0	0.0	4512.7	17.6	-0.4	4510.5	21.8	-0.1	4509.5	16.5	-0.6	4521.8			
Jan-2018	(NA) Mid Month	12.8	0.0	4521.7	12.9	0.0	4522.8	24.8	-0.4	4514.9	31.9	0.1	4512.8	17.5	0.1	4510.6	21.7	0.1	4509.6	16.4	0.1	4521.9			
Feb-2018	(NA) Mid Month	13.5	-0.7	4521.0	13.6	-0.7	4522.1	23.9	0.9	4515.8	32.8	-0.9	4511.9	18.6	-1.1	4509.5	18.9	2.8	4512.4	16.7	-0.3	4521.6			
Mar-2018	(NA) Mid Month	13.0	0.5	4521.5	13.6	0.0	4522.1	23.8	0.1	4515.9	32.1	0.7	4512.6	17.8	0.8	4510.3	23.9	-5.0	4507.4	15.0	1.7	4523.3	14.4	NA	4524.2
Apr-2018	(NA) Mid Month	12.4	0.6	4522.1	12.7	0.9	4523.0	23.0	0.8	4516.7	31.9	0.2	4512.8	20.2	-2.4	4507.9	25.7	-1.8	4505.6	15.5	-0.5	4522.8	14.0	0.4	4524.6
May-2018	(NA) Mid Month																								
Jun-2018	(NA) Mid Month	12.1	-12.1	4522.4	12.3	0.4	4523.4	23.5	-0.5	4516.2	31.8	0.1	4512.9	20.2	0.0	4507.9	25.6	0.1	4505.7	14.9	0.6	4523.4	14.1	-0.1	4524.5
Jul-2018	(NA) Mid Month	12.0	0.1	4522.5	12.2	0.1	4523.5	23.4	0.1	4516.3	31.7	0.1	4513.0	20.2	0.0	4507.9	25.5	0.1	4505.8	14.8	0.1	4523.5	14.3	-0.2	4524.3
Aug-2018	(NA) Mid Month	12.1	-0.1	4522.4	12.4	-0.2	4523.3	23.4	0.0	4516.3	31.6	0.1	4513.1	20.2	0.0	4507.9	25.4	0.1	4505.9	14.8	0.0	4523.5	14.2	0.1	4524.4
Sep-2018	(NA) Mid Month	13.4	-1.3	4521.1	13.6	-1.2	4522.1	24.7	-1.3	4515.0	31.9	-0.3	4512.8	22.5	-2.3	4505.6	29.6	-4.2	4501.7	16.0	-1.2	4522.3	14.1	0.1	4524.5
Oct-2018	(NA) Mid Month	13.3	0.1	4521.2	13.5	0.1	4522.2	24.6	0.1	4515.1	31.8	0.1	4512.9	22.8	-0.3	4505.3	29.6	0.0	4501.7	15.8	0.2	4522.5	14.2	-0.1	4524.4
Nov-2018	(NA) Mid Month	13.2	0.1	4521.3	13.4	0.1	4522.3	24.7	-0.1	4515.0	31.7	0.1	4513.0	22.1	0.7	4506.0	29.8	-0.2	4501.5	15.9	-0.1	4522.4	14.3	-0.1	4524.3
Dec-2018	(NA) Mid Month	13.4	-0.2	4521.1	13.6	-0.2	4522.1	24.8	-0.1	4514.9	32.0	-0.3	4512.7	22.3	-0.2	4505.8	29.9	-0.1	4501.4	16.0	-0.1	4522.3	14.4	-0.1	4524.2
Jan-2019	1/17/2019	13.2	0.2	4521.3	13.6	0.0	4522.1	24.7	0.1	4515.0	31.9	0.1	4512.8	22.5	-0.2	4505.6	29.3	0.6	4502.0	15.8	0.2	4522.5	14.2	0.2	4524.4
Feb-2019	2/13/2019	13.0	0.2	4521.5	13.5	0.1	4522.2	24.5	0.2	4515.2	31.8	0.1	4512.9	22.3	0.2	4505.8	29.8	-0.5	4501.5	16.0	-0.2	4522.3	14.2	0.0	4524.4
Mar-2019	3/7/2019	12.3	0.7	4522.2	12.8	0.8	4523.0	21.4	3.1	4518.3	33.3	-1.5	4511.5	19.6	2.7	4508.5	24.3	5.6	4507.1	15.3	0.8	4523.1	13.1	1.1	4525.5
Mar-2019	3/22/2019	12.2	0.2	4522.4	12.6	0.2	4523.1	21.3	0.2	4518.5	33.5	-0.3	4511.2	19.5	0.1	4508.6	23.9	0.3	4507.4	15.7	-0.4	4522.7	13.5	-0.4	4525.1
Apr-2019	4/9/2019	12.0	0.2	4522.5	12.5	0.1	4523.2	20.8	0.4	4518.9	32.9	0.6	4511.8	19.1	0.4	4509.0	24.6	-0.7	4506.7	15.2	0.5	4523.1	13.0	0.5	4525.6
Apr-2019	4/25/2019	12.2	-0.2	4522.4	12.4	0.1	4523.3	20.6	0.2	4519.1	33.1	-0.2	4511.6	19.3	-0.2	4508.8	24.7	-0.1	4506.6	15.4	-0.2	4522.9	12.9	0.1	4525.7
May-2019	5/15/2019	11.1	1.1	4523.4	11.6	0.8	4524.1	20.1	0.5	4519.6	33.1	0.0	4511.6	19.2	0.1	4508.9	25.0	-0.3	4506.3	14.6	0.8	4523.7	12.4	0.5	4526.2
May-2019	5/30/2019	11.0	0.1	4523.5	11.5	0.1	4524.2	19.8	0.3	4519.9	33.1	0.0	4511.6	19.4	-0.2	4508.7	25.2	-0.2	4506.1	14.8	-0.2	4523.5	12.5	-0.1	4526.1
Jun-2019	6/5/2019	11.1	-0.1	4523.4	11.6	-0.1	4524.1	19.9	-0.1	4519.8	33.3	-0.2	4511.4	19.6	-0.2	4508.5	25.0	0.2	4506.3	14.7	0.1	4523.6	12.1	0.4	4526.5
Jun-2019	6/24/2019	11.4	-0.3	4523.1	11.2	0.4	4524.5	19.8	0.1	4519.9	33.4	-0.1	4511.3	19.5	0.1	4508.6	24.8	0.2	4506.5	13.9	0.8	4524.4	12.0	0.1	4526.6
Jul-2019																									
Aug-2019																									
Sep-2019																									
Oct-2019																									

Notes

1. All depth to water measurements are taken from the top of the stickup casing, ranging from 2.5'-3.0'.
2. Monitoring Hole #8 (MH-8) was constructed on 3/2/2018.
3. All groundwater readings from Nov. 2017 to Dec. 2018 were taken near the middle of every month.
4. Well Monitoring frequency increased to Bi-Monthly in Jan. 2019 associated with leak test.