

# Westlake US 2 Daily Report

Date Reported: 7/26/2024

## Pressure Data:

Time	BW #7B Tubing Pressure (PSI)	BW #7B Casing Pressure (PSI)	BW #7B Downhole Pressure @ 2,650' (PSI)	#7B Brine Injection Flow (GPM)	BW #6X Casing Pressure (PSI)	BW #2 Tubing Pressure (PSI)	BW #2 Casing Pressure (PSI)	BW #4 Tubing Pressure (PSI)	BW #4 Casing Pressure (PSI)
7/25/24 5:00 AM	126.787	428.991	1389.178	546.094	641.523	190.876	595.970	182.514	650.287
7/25/24 6:00 AM	126.369	429.146	1389.241	544.627	641.523	190.980	596.304	182.639	650.608
7/25/24 7:00 AM	126.214	429.188	1389.225	543.972	641.523	191.084	596.391	178.812	651.008
7/25/24 8:00 AM	110.745	428.122	1388.261	480.352	641.495	189.765	595.828	148.435	647.643
7/25/24 9:00 AM	94.629	427.207	1387.665	542.198	641.447	187.716	594.705	146.377	645.317
7/25/24 10:00 AM	104.262	427.615	1387.959	521.467	641.441	185.824	593.829	144.633	645.241
7/25/24 11:00 AM	105.529	426.896	1387.225	526.855	641.443	183.959	592.877	143.007	646.323
7/25/24 12:00 PM	107.179	427.201	1387.680	542.648	641.435	182.968	592.935	166.285	649.920
7/25/24 1:00 PM	108.135	427.492	1387.994	545.891	641.382	183.281	594.008	170.729	654.483
7/25/24 2:00 PM	108.228	427.845	1388.314	544.837	641.420	183.566	595.141	171.439	658.160
7/25/24 3:00 PM	108.558	428.263	1388.568	543.759	641.420	183.862	596.219	172.010	661.324
7/25/24 4:00 PM	108.814	428.676	1388.813	543.132	641.418	184.198	597.315	172.515	663.987
7/25/24 5:00 PM	109.092	428.965	1388.971	542.914	641.459	184.479	598.334	172.949	666.034
7/25/24 6:00 PM	109.194	429.067	1389.127	543.047	641.520	184.615	599.150	173.187	667.513
7/25/24 7:00 PM	109.301	429.134	1389.281	543.125	641.529	184.765	599.623	173.420	668.881
7/25/24 8:00 PM	109.390	429.180	1389.390	543.240	641.521	184.891	600.077	173.661	670.079
7/25/24 9:00 PM	109.550	429.266	1389.524	543.169	641.474	185.016	600.662	173.901	671.177
7/25/24 10:00 PM	109.796	429.345	1389.622	543.580	641.462	185.113	601.057	174.151	672.187
7/25/24 11:00 PM	109.947	429.481	1389.775	543.573	641.448	185.245	601.438	174.361	673.084
7/26/24 12:00 AM	109.862	429.608	1389.919	543.449	641.447	185.386	601.886	174.570	673.938
7/26/24 1:00 AM	109.879	429.685	1390.063	542.733	641.447	185.521	602.045	174.776	674.688
7/26/24 2:00 AM	109.871	429.815	1390.129	542.062	641.451	185.657	602.388	174.984	675.400
7/26/24 3:00 AM	109.818	429.904	1390.275	541.508	641.446	185.803	603.179	175.177	676.062
7/26/24 4:00 AM	109.830	429.989	1390.323	541.232	641.447	185.934	603.619	175.359	676.622

### 7/25 Evening Update

#### Site Observations:

-None.

#### Operational Notes:

-New rental brine injection pumps were installed today. I will provide the pump specifications and piping layout tomorrow.  
 -Depressuring PPG 4 for an upcoming MIT. This will be done over the next 2 weeks.  
 -We are observing gas influx in the casing of PPG 4 as we bleed brine from the PPG 4 tubing. PPG 2 is seeing a similar influx which was expected at lower cavern pressures.  
 -ERM is on site this week to collect monthly samples.  
 -We have started clearing trees along the Salt lake for construction of the containment berm.  
 -Lonquist is scheduled to install the downhole gauge on Sunday.

### 7/26 Morning Update

#### Site Observations:

-None.

#### Operational Notes:

-New rental brine injection pumps were installed yesterday. I will provide the pump specifications and piping layout today.  
 -Depressuring PPG 4 for an upcoming MIT. This will be done over the next 2 weeks.  
 -We are observing gas influx in the casing of PPG 4 as we bleed brine from the PPG 4 tubing. PPG 2 is seeing a similar influx which was expected at lower cavern pressures.  
 -We have started clearing trees along the Salt lake for construction of the containment berm.  
 -Lonquist is scheduled to install the downhole gauge on Sunday.





**Date:** 7-25-24

**SUBJECT: Westlake Daily Operational Summary**

- #7 Brine Injection Source (#22, #21, #18) or Starks Tie-In (Circle One)

- **Brine Well #7:**

- Bled Oil from cavern? Y or N (Circle One)

- If yes, provide frac tank level:

- Brine Well #4:

- Bled brine from cavern? (Y) or N (Circle One)

- Bled gas from annulus? Y or N (Circle One)

- ☐ If yes, provide pressures below:

- Before: After:

- Brine Well #2:

- Bled brine from cavern? Y or N (Circle One)

- o Bled gas from annulus? Y or N (Circle One)

- ☐ If yes, provide pressure below:

- Before: After:

- Miscellaneous Comments: Swap pumps out to bigger pumps to 6"  
Running South 6" pump off of sulphur brine line (Bu#18-21-22)

Date: July 25, 2024

Sulphur Field Observation Daily Report (Dayshift)

Daily Westlake Water Well Readings	GPM
Water Well #11	422.4
Water Well #12	0.00
Water Well #13	0.00
Water Well #19	1416.7
Water Well #40	0.00

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O <sub>2</sub>	21.0	20.9		
	H <sub>2</sub> S/Methane	0	0		
	H <sub>2</sub> s	0	0		
	PID (VOC)	0	0		

Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O <sub>2</sub>	21.0	20.9		
	Methane	0	0		
	H <sub>2</sub> s	0	0		
	PID (VOC)	0	0		

Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O2	21.0	20.9	
		Methane	0	0	
		H2s	0	0	
		PID (VOC)	0	0	

Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O <sub>2</sub>	21.0	20.9	
		Methane	0	0	
		H <sub>2</sub> s	0	0	
		PID (VOC)	0	0	

Site 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
		Morning	Afternoon			
		O2	21.0	20.9		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0



Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O <sub>2</sub>	21.0	20.9		
	Methane	0	0		
	H <sub>2</sub> s	0	0		
		PID (VOC)	0	0	

Site 20 (Sheen on Salt Lake (Big Pond))	(Circle One)	Present	Not Present	
		Morning	Afternoon	
	O <sub>2</sub>	N/A	N/A	
	Methane	N/A	N/A	
	H <sub>2</sub> s	N/A	N/A	
		PID (VOC)	N/A	N/A

#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O <sub>2</sub>	21.0	20.9		
	Methane	0	0		
	H <sub>2</sub> s	0	0		
		PID (VOC)	0	0	

#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O <sub>2</sub>	21.0	20.9		
	Methane	0	0		
	H <sub>2</sub> s	0	0		
		PID (VOC)	0	0	



#26 Bubble site (Salt Lake (Big Pond))	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		

o2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

#27 Bubble site (Road S of Yellow rock shop)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		

o2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

#28 Bubble site (MW-2 500' Well)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		

o2	21.0	20.9
Methane	0	0
H2s	0	0
PID (VOC)	0	0

#7 Well Pad Site General Housekeeping	✓	Check Berms for leaks or oil/brine
	✓	Check hoses at each connection from rental pump to piping tie-in
	✓	Check cellar for oil
	✓	Check Wellhead for leaks

New Observation or comments?


LA

Date: 7/25/24

Sulphur Field Observation Daily Report (Nightshift)

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Rubbles	Rubbling, no change in intensity
02 21.0					
03 0					
04 0					
05 0					
06 0					
07 0					
08 0					
09 0					
10 0					
11 0					
12 0					
13 0					
14 0					
15 0					
16 0					
17 0					
18 0					
19 0					
20 0					
21 0					
22 0					
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97 0					
98 0					
99 0					
100 0					

  

Site 10 (Yellowrock #2)	(Circle One)	More Intense	Less Intense	No Rubbles	Rubbling, no change in intensity
02 21.0					
03 0					
04 0					
05 0					
06 0					
07 0					
08 0					
09 0					
10 0					
11 0					
12 0					
13 0					
14 0					
15 0					
16 0					
17 0					
18 0					
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93 0					
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100 0					

  

Site 9 (14 BW Pond)	(Circle One)	More Intense	Less Intense	No Rubbles	Rubbling, no change in intensity
02 20.9					
03 0					
04 0					
05 0					
06 0					
07 0					
08 0					
09 0					
10 0					
11 0					
12 0					
13 0					
14 0					
15 0					
16 0					
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100 0					

Site 19 (Hd BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling, no change in intensity
02	26.9					
Methane	0					
025	0					
pin (vort)	0					
	26.9					21.0
	0					0
	0					0

#76 Wellhead Cellar		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling, no change in intensity
02	21.0					
Methane	0					
025	0					
pin (vort)	0					
	21.1					20.9
	0					0
	0					0

#77 Bubble site (Road S of Yellow rock stop)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling, no change in intensity
02	21.0					
Methane	0					
025	0					
pin (vort)	0					
	21.1					20.9
	0					0
	0					0

#78 Bubble site (MW-2 500' Well)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling, no change in intensity
02	21.6					
Methane	0					
025	0					
pin (vort)	0					
	21.1					20.9
	0					0
	0					0

#7 Well Pad Site General Housekeeping

Check Berms for leaks or oil/brine

Check hoses at each connection from rental pump to piping tie in

Check cellar for oil

Check Wellhead for leaks

New Observation, intensity changes, or comments?

96.3