Westlake US 2 Daily Report
Date Reported: 11/1/2023

Pressure Data:

10/31/2023 @ 6PM
7B Tubing Press = 70.4 psig
7B Annulus Press = 431.9 psig
Downhole Pressure in 7B Tubing = 1423 psig
7B Brine Injection Rate = 318.7 GPM
6X Annulus Press = 167.4 psig
PPG 2 Tubing Pressure = 254.4 psig
PPG 2 Annulus Press = 391.4 psig
PPG 4 Tubing Pressure = 251.3 psig
PPG 4 Annulus Press = 260.3 psig

11/01/2023 @ 4AM
7B Tubing Press = 70.9 psig
7B Annulus Press = 431.8 psig
Downhole Pressure in 7B Tubing = 1424 psig
7B Brine Injection Rate = 318.2 GPM
6X Annulus Press = 167.3 psig
PPG 2 Tubing Pressure = 254.5 psig
PPG 2 Annulus Press = 391.5 psig
PPG 4 Tubing Pressure = 252.0 psig
PPG 4 Annulus Press = 260.6 psig

Site Observations:

-None

Operational Notes:

-7b sonar:
-downhole gauge to be removed today and sonar scheduled for tomorrow.
-Gas removal or oil withdrawal:
-No gas was removed yesterday.
- No oil was bled from PPG 7 yesterday, volumes will be determined upon sale.
-Monitoring wells:
-Work plans approved by DNR. Scheduled to start no later than 11/13, installation duration is expected to take 45 days. A discussion on the due date of Dec 1st will need to be addressed.
-Sub-surface Seismic:
-Long lead items have been ordered. We are still on track for installation in early 2024.
-Geo-mechanical Studies:
-Respec Phase 2 is on-going.
-3D Seismic
-Top of caprock map will be submitted Nov 3rd. Top of salt map will be updated to include 100' contours further to the central part of the dome. Fault plane map with be submitted by Nov 29th.
-Insar
-Current reprocessed data no longer shows negative displacement trends and in fact some AOIs are now showing positive displacement. Further data sets over time will help the team determine whether changes in the data are seasonal or actual increasing subsidence.

Reported by: Josh Bradley (Westlake)

Date: 10/31/23

Sulphur Field Observation Daily Report (Dayshift)

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	21.0	20.8
H2S/Methane	0	0
H2s	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
O2	20.9	20.7
Methane	0	0
H2s	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	20.9	20.7
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	20.9	20.7
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
O2	20.9	20.7
Methane	0	0
H2s	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	20.9	20.7
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

	Morning	Afternoon
O2	20.9	20.7
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

	Morning	Afternoon
O2	20.9	20.7
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

	Morning	Afternoon
O2	21.0	20.8
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

	Morning	Afternoon
O2	20.9	20.7
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 14 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.7
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 17 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.7
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.7
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.7
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	20.9	20.7
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	20.9	20.7
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	20.9	20.7
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	20.9	20.7
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
O2	20.9	20.7
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 20 (Sheen on Crystal Creek (Big Pond))	(Circle One)	Present	Not Present

	Morning	Afternoon
O2	N/A	N/A
Methane	N/A	N/A
H2s	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
O2	21.0	20.8
Methane	0	0
H2s	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
O2	21.0	20.8
Methane	0	0
H2s	0	0
PID (VOC)	0	0

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

	Morning	Afternoon
O2	20.9	20.7
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?

Fuel cell #1 3/4 #2 F

Signature:

Date: 10/31/23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	70.4	70.4	70.3	70.2	70.4	70.2	70.3	70.5	70.7	70.5	70.7	70.9
7b Annulus Pressure	432.2	431.9	431.7	431.6	431.7	431.8	431.7	431.7	431.6	431.9	431.7	431.8
7b Injection Rate	318.6	318.7	318.5	318.8	319.3	318.8	318.6	318.7	318.7	318.7	318.3	318.2
7b Downhole Gauge	1423/92	1923/92	1423/92	1423/92	1424/92	1424/92	1424/92	1424/92	1424/92	1424/92	1424/92	1424/92
6x Pressure	167.5	167.4	167.4	167.3	167.4	167.3	167.4	167.3	167.3	167.3	167.3	167.3
2 Tubing Pressure		254.4										254.5
2 Annulus Pressure		391.4										391.5
4 Tubing Pressure		251.3										252.0
4 Annulus Pressure		260.3										260.6

E-22 Site 1 (E of #22 BW)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	21.0						21.1		20.9
Methane	0						0		0
H2s	0.0						0.0		0.0
PID (VOC)	0.0						0.0		0.0

7A 7A Plugged Well Site		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	21.0						21.1		20.9
Methane	0						0		0
H2s	0.0						0.0		0.0
PID (VOC)	0.0						0.0		0.0

Yellow Site 10 (Yellowrock #7)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	21.0						21.1		20.9
Methane	0						0		0
H2s	0.0						0.0		0.0
PID (VOC)	0.0						0.0		0.0

#4 Site 9 (#4 BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	21.0						21.1		20.9
Methane	0						0		0
H2s	0.0						0.0		0.0
PID (VOC)	0.0						0.0		0.0

#1 Site 19 (#4 BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	21.0						21.1			20.9
Methane	0						0			0
H2s	0.0						0.0			0.0
PID (VOC)	0.0						0.0			0.0

7B #7b Wellhead Cellar		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	21.0						21.1			20.9
Methane	0						0			0
H2s	0.0						0.0			0.0
PID (VOC)	0.0						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?	

Signature: Eddie Veillon