Westlake US 2 Daily Report
Date Reported: 10/20/2023

Pressure Data:

10/19/2023 @ 6PM
7B Tubing Press = 68.0 psig
7B Annulus Press = 429.6 psig
Downhole Pressure in 7B Tubing = 1419 psig
7B Brine Injection Rate = 318.7 GPM
6X Annulus Press = 173.5 psig
PPG 2 Tubing Pressure = 249.4 psig
PPG 2 Annulus Press = 374.1 psig
PPG 4 Tubing Pressure = 247.1 psig
PPG 4 Annulus Press = 255.7 psig

10/20/2023 @ 4AM
7B Tubing Press = 68.6 psig
7B Annulus Press = 429.8 psig
Downhole Pressure in 7B Tubing = 1420 psig
7B Brine Injection Rate = 321.6 GPM
6X Annulus Press = 173.3 psig
PPG 2 Tubing Pressure = 249.6 psig
PPG 2 Annulus Press = 375.3 psig
PPG 4 Tubing Pressure = 247.5 psig
PPG 4 Annulus Press = 256.0 psig

Site Observations:

-Marsh buggy was used to excavate around the unknown wellhead W of #7. Vendor was able to excavate up to 6' deep around the object so we expect no underground piping connections. Westlake is working on dewatering the pond to get a better visual on the excavation area. Pics will be provided once the water is removed.

Operational Notes:

-Gas removal or oil withdrawal:
-No gas was removed yesterday.
-Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday.
-6X Obstruction Remediation:
-Snubbing rig is in place. Expect to be running tools in the borehole today to attempt to remove obstruction.
-3D Seismic:
-Lonquist will be providing IMD deliverable dates today. (remove after Friday)
-Monitoring wells:
-Work plans submitted. Well driller tentatively scheduled for early November.
-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 now funded and on-going.
-Insar
-Recent data set continues to show recent non-linear trends. The data set also show areas outside of the dome experiencing similar displacements. TREA has been notified of these areas and is performing some quality control checks to investigate these areas further.

Reported by: Randy Broussard (Westlake)

Date: 10/19/23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	67.6	68.0	67.2	67.8	67.8	68.1	68.4	68.3	68.0	68.3	68.7	68.6
7b Annulus Pressure	429.7	429.6	429.4	429.5	429.5	429.5	429.7	429.6	429.4	429.8	429.7	429.8
7b Injection Rate	318.7	318.7	319.1	319.8	320.5	321.1	321.6	321.7	321.5	321.3	321.7	321.6
7b Downhole Gauge	1419/92	1419/91	1419/91	1419/92	1419/92	1419/92	1420/92	1420/92	1420/92	1420/92	1420/92	1420/92
6x Pressure	173.5	173.5	173.4	173.4	173.4	173.4	173.4	173.4	173.3	173.4	173.3	173.3
2 Tubing Pressure		249.4										249.6
2 Annulus Pressure		374.1										375.3
4 Tubing Pressure		247.1										247.5
4 Annulus Pressure		255.7										256.0

Site 1 (E of #22 BW)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	20.8						20.8			20.8
Methane	0						0			0
H2s	0						0			0
PID (VOC)	0						0			0

7A Plugged Well Site		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	20.9						20.9			20.8
Methane	0						0			0
H2s	0						0			0
PID (VOC)	0						0			0

Site 10 (Yellowrock #7)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	20.8						20.8			20.8
Methane	0						0			0
H2s	0						0			0
PID (VOC)	0						0			0

Site 9 (#4 BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	20.8						20.8			20.8
Methane	0						0			0
H2s	0						0			0
PID (VOC)	0						0			0

Site 19 (#4 BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	20.8						20.8		20.8
Methane	0						0		0
H2s	0						0		0
PID (VOC)	0						0		0

#7b Wellhead Cellar		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	20.9						20.9		20.8
Methane	0						0		0
H2s	0						0		0
PID (VOC)	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: M. E.

Date: 10-19-23

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		20.9	20.9		
H2S/Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	21.0		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

MW

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	0

Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.9
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

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0.0
PID (VOC)	0.0	0.0

Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	0

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

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	0

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

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	0

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

	Morning	Afternoon
O2	20.9	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	0

Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	0		
H2s		0.0	0		
PID (VOC)		0.0	0		

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

#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

	Morning	Afternoon
O2	21.0	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	0.0	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	20.9
Methane	0	0
H2s	0.0	0
PID (VOC)	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 or comments?

fuel cell #1 3/4 #2 Full

Signature: MC