Westlake US 2 Daily Report
Date Reported: 9/28/2023

Pressure Data:

9/27/2023 @ 6PM
7B Tubing Press = 70.0 psig
7B Annulus Press = 431.4 psig
Downhole Pressure in 7B Tubing = 1422 psig
7B Brine Injection Rate = 317.0 GPM
6X Annulus Press = 176.5 psig
PPG 2 Tubing Pressure = 247.0 psig
PPG 2 Annulus Press = 339.4 psig
PPG 4 Tubing Pressure = 245.8 psig
PPG 4 Annulus Press = 259.8 psig

9/28/2023 @ 4AM
7B Tubing Press = 69.2 psig
7B Annulus Press = 430.1 psig
Downhole Pressure in 7B Tubing = 1421 psig
7B Brine Injection Rate = 316.1 GPM
6X Annulus Press = 176.3 psig
PPG 2 Tubing Pressure = 247.2 psig
PPG 2 Annulus Press = 339.8 psig
PPG 4 Tubing Pressure = 245.9 psig
PPG 4 Annulus Press = 260.1 psig

Site Observations:

-Confirmed that we can work under NWP 6 in this area W of #7. Developing scope to excavate around unknown object.

Operational Notes:

-Surface Seismic:
-New system is active, MEQ has submitted revised plan and bi-weekly status report.
Gas removal or oil withdrawal:
-No gas was removed for any well yesterday.
-Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday. Note: reminder volume removed is measured by truck loading, not enough oil at this time for a truck load.
-6X Obstruction Remediation:
-Lonquist submitted proposal to IMD. Work scheduled to start on 10-16.
-3D Seismic:
-Mapping results meeting schedule for Today.
-Monitoring wells:
-ERM will reach out to WalkerHill about drilling to caprock depths. ERM is working with Lonquist to get UIC-25 submitted. Meeting with IMD will be scheduled for week of 10-9.
-PPG 20 Inactive Letter:
-Letter will be prepared this week.
-Sub-surface Seismic:
-Long lead items have been ordered. We are still on track for installation in early 2024.
-Geo-mechanical Studies:
-Respec to provide a Phase 2 proposal to Westlake so a Purchase Order can written, work on phase 2 modeling will begin late next week.
-Insar
-A non-linear trend has been identified and will be watched closely by Tre-Altamira and Lonquist. The latest data set will be submitted by Lonquist today. A non-linear trend is still continuing to be observed in areas of interests as well as outside of the salt formation. At this time, Westlake will continue to monitor the area cautiously, currently nothing abnormal has been observed in areas showing increased ground displacement.

Reported by: Josh Bradley (Westlake)

Date: 9/27/23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	70.8	70.0	69.8	69.9	69.9	69.7	69.6	69.5	69.3	69.3	69.6	69.2
7b Annulus Pressure	431.5	431.4	431.0	431.0	431.0	430.8	430.7	430.5	430.4	430.5	430.4	430.1
7b Injection Rate	320.9	317.0	317.0	317.2	317.3	317.1	317.0	316.2	316.8	316.4	315.6	316.1
7b Downhole Gauge	1422/92	1422/92	1421/92	1421/92	1421/92	1421/92	1421/92	1421/92	1421/92	1421/92	1421/92	1421/92
6x Pressure	176.5	176.5	176.5	176.4	176.4	176.4	176.4	176.4	176.3	176.3	176.3	176.3
2 Tubing Pressure		247.0										247.2
2 Annulus Pressure		339.4										339.8
4 Tubing Pressure		245.8										245.9
4 Annulus Pressure		259.8										260.1

Site 1 (E of #22 BW)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity			
O2	20.9						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						20.8		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	20.9						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	20.9						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						20.8		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: 9-27-23

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	21.0		
H2S/Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	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	0.0		
PID (VOC)		0.0	0.0		

Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	21.0		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	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	0.0		
PID (VOC)		0.0	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	0.0		
PID (VOC)		0.0	0.0		

Site 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.9	21.0		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		

Site 8 (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	0.0
PID (VOC)	0.0	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	0.0
PID (VOC)	0.0	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	21.0
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	21.0
Methane	0	0
H2s	0.0	0.0
PID (VOC)	0.0	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	0.0
PID (VOC)	0.0	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	0.0
PID (VOC)	0.0	0.0

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

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

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

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

Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

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

Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

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

Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity

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

#7A Plugged Well Site	(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	00
PID (VOC)	00	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	21.0
Methane	0	0
H2s	0.0	0.0
PID (VOC)	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 or comments?

Fuel Cell #1 15/16 #2 15/16
Scrapped back on 7

Signature: EV