Westlake US 2 Daily Report
Date Reported: 9/23/2023

Pressure Data:

9/22/2023 @ 6PM
7B Tubing Press = 70.5 psig
7B Annulus Press = 432.5 psig
Downhole Pressure in 7B Tubing = 1422 psig
7B Brine Injection Rate = 316.3 GPM
6X Annulus Press = 178.1 psig
PPG 2 Tubing Pressure = 242.5 psig
PPG 2 Annulus Press = 330.0 psig
PPG 4 Tubing Pressure = 240.8 psig
PPG 4 Annulus Press = 254.8 psig

9/23/2023 @ 4AM
7B Tubing Press = 70.3 psig
7B Annulus Press = 431.3 psig
Downhole Pressure in 7B Tubing = 1422 psig
7B Brine Injection Rate = 317.5 GPM
6X Annulus Press = 177.9 psig
PPG 2 Tubing Pressure = 242.7 psig
PPG 2 Annulus Press = 330.9 psig
PPG 4 Tubing Pressure = 241.1 psig
PPG 4 Annulus Press = 255.2 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 Depressurization:
-Lonquist to provide proposal and procedure to perform this work via a snubbing rig. Expected by 9-25.
-3D Seismic:
-Caprock and salt contour maps for the whole dome will be completed by end of month. Mapping results meeting schedule for next.
-Monitoring wells:
-ERM is working with Lonquist to get UIC-25 submitted.
-PPG 20 Inactive Letter:
-Lonquist is working Westlake to answer questions before finalizing the letter
-Sub-surface Seismic:
-Long lead items have been ordered. We are still on track for installation in early 2024.
-Geo-mechanical Studies:
-Respec to priority list submitted. Meeting to review scheduled for next week.

Reported by: Randy Broussard (Westlake)

Date: 9/22/23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	70.5	70.5	70.4	70.4	70.1	70.3	70.3	70.2	70.2	70.2	70.3	70.3
7b Annulus Pressure	432.4	432.5	432.1	431.7	431.8	431.6	431.3	431.5	431.4	431.4	431.4	431.3
7b Injection Rate	316.2	316.3	316.2	316.4	316.0	316.7	316.4	317.1	316.8	317.0	317.5	317.5
7b Downhole Gauge	1422/92	1422/92	1422/93	1422/92	1422/92	1422/92	1422/92	1422/92	1422/92	1422/92	1422/92	1422/92
6x Pressure	178.1	178.1	178.0	178.0	178.0	178.0	178.0	177.9	177.9	177.9	177.9	177.9
2 Tubing Pressure		242.5										242.7
2 Annulus Pressure		330.0										330.9
4 Tubing Pressure		240.8										241.1
4 Annulus Pressure		254.8										255.2

Site 1 (E of #22 BW)		(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

7A Plugged Well Site		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2	20.8						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	20.9						20.9			20.9
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						20.9			20.9
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						20.9			20.9
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	20.8						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: W. C.

Date: 9-22-23

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	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	21.0		
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		21.0	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		21.0	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		20.8	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		BWR 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	21.0		
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		21.0	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		21.0	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	20.9		
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	20.9		
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	

#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	0.0
PID (VOC)	00	00

#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	0.0
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 7/8 fuel cell #2 full
Clean up #7
Samples in central lake

Signature: MC

Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Date:	9-22-23	Time:	8:15
Depth (ft):	43"		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	8.19	8.23	7.60
SC (uS/cm)	3625	3570	3587
ORP (mV)	146	131	-114
Temp (°C)	28.6	28.7	28.5
TDS (ppm)	2699	2652	2666

Cond

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Cond -

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Cond.

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Cond