Westlake US 2 Daily Report
Date Reported: 10/28/2023

Pressure Data:

10/27/2023 @ 6PM
7B Tubing Press = 72.5 psig
7B Annulus Press = 434.5 psig
Downhole Pressure in 7B Tubing = 1425 psig
7B Brine Injection Rate = 326.7 GPM
6X Annulus Press = 177.5 psig
PPG 2 Tubing Pressure = 256.0 psig
PPG 2 Annulus Press = 388.8 psig
PPG 4 Tubing Pressure = 254.1 psig
PPG 4 Annulus Press = 262.6 psig

10/28/2023 @ 4AM
7B Tubing Press = 72.6 psig
7B Annulus Press = 434.4 psig
Downhole Pressure in 7B Tubing = 1425 psig
7B Brine Injection Rate = 320.7 GPM
6X Annulus Press = 177.7 psig
PPG 2 Tubing Pressure = 256.3 psig
PPG 2 Annulus Press = 389.2 psig
PPG 4 Tubing Pressure = 254.2 psig
PPG 4 Annulus Press = 262.9 psig

Site Observations:

-None

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:
-5.5" pipe was installed and sonar should be taken this morning.
-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.
-Insar
-Meeting scheduled for next week to discuss the re-processed data set from Trea.
-3D Seismic
-top of salt and caprock mapping methodology report will be submitted this Friday. 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.
-Third Supplement Order
-received, most likely will request informal meeting to get clarification, internal meetings scheduled today to start addressing these orders

Reported by: Kevin LaVergne (Westlake)

Date: 10/27/23

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		20.8	21.0		
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	20.8		
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	20.8		
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	20.8		
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	20.8		
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	20.8		
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	20.8
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	21.0
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	20.8	21.0
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	21.0
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	20.8	21.0
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	20.8	21.0
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	21.0
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

samples @ central pond

Signature: LD

Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Date:	10/27/23	Time:	8:42
Depth (ft):	4ft 2		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	8.19	7.96	7.92
SC (uS/cm)	4035	3990	3946
ORP (mV)	80	92	92
Temp (°C)	26.9	26.7	26.3
TDS (ppm)	3036	2995	2962

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

Date: 10-27-23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	72.2	72.5	72.7	72.6	72.4	72.5	72.5	72.4	72.8	72.7	72.5	72.6
7b Annulus Pressure	434.7	434.5	434.6	434.4	434.4	434.5	434.4	434.4	434.4	434.4	434.3	434.4
7b Injection Rate	321.3	321.7	322.0	321.7	321.0	321.2	321.1	321.1	320.8	320.3	320.7	320.7
7b Downhole Gauge	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92	1425/92
6x Pressure	177.7	177.5	177.7	177.7	177.9	177.8	177.8	177.8	177.7	177.7	177	177.7
2 Tubing Pressure		256.00										256.33
2 Annulus Pressure		388.79										384.18
4 Tubing Pressure		254.06										254.22
4 Annulus Pressure		262.58										262.89

Site 1 (E of #22 BW)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity					
O2	20.8						20.9			20.9	
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						20.8			20.9	
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	20.7						20.8			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						20.8			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			20.9	
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			20.9	
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: