Westlake US 2 Daily Report Date Reported: 10/14/2023

## **Pressure Data:**

10/13/2023 @ 6PM

7B Tubing Press = 77.3 psig

7B Annulus Press = 431.6 psig

Downhole Pressure in 7B Tubing = 1420 psig

7B Brine Injection Rate = 317.8 GPM

6X Annulus Press = 175.3 psig

PPG 2 Tubing Pressure = 251.8 psig

PPG 2 Annulus Press = 357.2 psig

PPG 4 Tubing Pressure = 249.0 psig

PPG 4 Annulus Press = 257.7 psig

10/14/2023 @ 4AM

7B Tubing Press = 77.6 psig

7B Annulus Press = 431.2 psig

Downhole Pressure in 7B Tubing = 1421 psig

7B Brine Injection Rate = 320.3 GPM

6X Annulus Press = 175.2 psig

PPG 2 Tubing Pressure = 251.9 psig

PPG 2 Annulus Press = 357.5 psig

PPG 4 Tubing Pressure = 249.6 psig

PPG 4 Annulus Press = 258.1 psig

## **Site Observations:**

-Confirmed that we can work under NWP 6 in this area W of #7. Excavation schedule for mid to late October, pending equipment availability.

# **Operational Notes:**

- -Gas removal or oil withdrawal:
  - -Gas was removed from PPG 4 yesterday, volume will be calculated and reported on Monday.
  - -Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday.
- -6X Obstruction Remediation:
  - -Work scheduled to start on 10-16.
- -3D Seismic:
  - -TOS map submitted to IMD.
- -Monitoring wells:
- -New locations have been reviewed with DNR and Westlake. ERM will begin preparing the work plans.
- -Sub-surface Seismic:
  - -Long lead items have been ordered. We are still on track for installation in early 2024.
- -Geo-mechanical Studies:
  - -Westlake is working with Lonquist to fund Respec on phase 2 modeling.
- -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.



#### Sulphur Field Observation Daily Report (Dayshift

	1			1	Bubbling - ne
Site 1 (E of #22 BW)	(Circle One)		Less Intense	No Bubbles	change in
		Morning	Afternoon		
Oz	20.8	20.9			
H2S/Methane		٥	0		
H2s		0.0	0.0		
PID (VOC)		9.0	0.0		
Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.8	120.9		
Methane		0	Q		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - ho change in intensity
		Morning	Afternoon		
Q2		20.8	20.4		
Methane		0	0		
H2s	0.0	0.0			
	-	0 -			
PID (VOC)		0.0	10.0		
Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no charge in integsity
		Morning	Afternoon		
02		20.9	20.9		
Methane		0	Q		11
H2s		0.0	00	1	
PID (VOC)		0.0	00	1	
(			0,0		$\wedge$
Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.8	20.9		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
	Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		Morning 20.9	20.9		
Site 7 (Central Lake)					
Site 7 (Central Lake) O2			20.9		

0

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
		Morning	Afternoon		intensity
02		209	20.9	1	
Methane		0	0		
			0.0		
H2s		0.0		-	
PID (VOC)		0.0	0.4	_1	
			1	1	Bubbling - no
Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	change in intensity
		Morning	Afternoon		
O2		20.9	20.9		
Methane		0	9	_	
H2s		0.0	6,0		
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	-	-1/
02		20.8	20,9		
Methane		0	0		
H2s		00	0.0		
PID (VOC)		0.0	0.0	1	
		100	1 1 1 1 1	- <del>1</del> ).	
					Bubbline no
Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	change in
		Morning	Afternoon	1	intentity
02		20.9	20.9	1	
Methane		0	0	1	
H2s			0,0	1	
		0.0	0,0	-	
PID (VOC)		5.0	10.0		
Site 14 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
				-	intensity
		20.9	Afternoon	-	
02			20.9	-	
Methane		0	0	-	
H2s		0.0	0.0	-	
PID (VOC)		0.0	0.0		
					$\sim$
Site 17 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	20.8		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
				— A1	
Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	20.4		
Methane		D	0		
H2s		0.0	0.0		
PID (VOC)		00			
1.0(100)		U.U	160	_	

	(Circle One)	More Intense	Less Intense	No Bubbles	Butbling - no change in
				-	intensity
		Morning 77 o 07	Afternoon		
02		201	10.0	_	
Methane		Q	$\Box$		
H2s		0.0	0.0		
PID (VOC)		0.0	00		
			1.0.0		
Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon	-	
02		20.9	120.1		
Methane			0		
H2s		20	0.0		
		0.0	0.0	-	
PID (VOC)		0.0	0.0	<u> </u>	
Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no change in intensity
		Morning	Afternoon		
O2		20.4	20.4		
Methane		0	0		
H2s		0.0	20	1	
		0.0	0.0	4	
PID (VOC)		0.0	0,0		
ilte 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no change in intensity
		Morning	Afternoon		
O2		20.9	20.9	1	
Methane		0	0	1	
		0.0		-	
H2s		0.0	0.5	4	
PID (VOC)		0.0	0.0	_	
Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	Ne Bubbles	Bubbling - no change in intensity
ilte 25 (Central Lake)	(Circle One)			Ne Bubbles	
	(Circle One)	More Intense  Morning	Less Intense  Afternoon	No Bubbles	change in
02	(Circle One)		Afternoon 20.9	Nø Bubble	change in
	(Circle One)			Ne Bubbles	change in
02	(Circle One)		Afternoon 20.7	No Bubbles	change in
O2 Methane	(Circle One)		Afternoon 20.9	No Bubbles	change in intensity
O2 Methane H2s	(Circle One)		Afternoon 20.7	No Bubbles	change in intensity
O2 Methane H2s PID (VOC)	(Circle One)	Morning  20.9  0.0  Over Intense	Afternoon  20.7  0  0.0  0.0  Less Intense	No Bubbles	change in intensity
O2 Methane H2s PID (VOC) ite 19 (#4 BW Pond)		Morning 20,9	Afternoon  20.7  0.0  0.0  Less Intense		change in intensity  Bubbling no change in
O2 Methane H2s PID (VOC)		Morning 20,9 0,0 0,0 More Intense Morning 20,9	Afternoon  20.7  0  0.0  0.0  Less Intense		change in intensity
O2 Methane H2s PID (VOC)		Morning  20.9  0.0  Over Intense	Afternoon  20.7  0.0  0.0  Less Intense		change in intensity
O2 Methane H2s PID (VOC) ite 19 (#4 BW Pond)		Morning  20,9  000  More Intense  Morning  20,9	Afternoon  20.7  0.0  0.0  Less Intense		change in intensity
O2 Methane H2s PID (VOC) ite 19 (#4 BW Pond)  O2 Methane		Morning  20,9  000  More Intense  Morning  20,9	Afternoon  20.7  0.0  0.0  Less Intense		change in intensity
O2 Methane H2s PID (VOC) ite 19 (#4 BW Pond)  O2 Methane H2s PID (VOC)		Morning  20,9  000  More Intense  Morning  20,9  000	Afternoon  20.7  0.0  0.0  Less Intense		change in intensity
O2 Methane H2s PID (VOC)  ite 19 (#4 BW Pond)  O2 Methane H2s PID (VOC)	(Circle One)	Morning  20,9  0.0  More Intense  Morning  20,9  0.0  0.0	Afternoon  20.7  0.0  0.0  0.0  Less Intense  Afternoon  2.0, 9  0  0  Not Present		change in intensity
O2 Methane H2s PID (VOC)  ite 19 (#4 BW Pond)  O2 Methane H2s PID (VOC)  te 20 (Sheen on Crystal reek (Big Pond))	(Circle One)	Morning 20,9 0,0 0,0 More Intense  Morning 20,9 0,0 0,0	Afternoon  20.7  0.0  0.0  0.0  Less Intense  Afternoon  2.0, 9  0		change in intensity
O2 Methane H2s PID (VOC)  ite 19 (#4 BW Pond)  O2 Methane H2s PID (VOC)  te 20 (Sheen on Crystal eek (Big Pond))	(Circle One)	Morning  20,9  0.0  More Intense  Morning  20,9  0.0  0.0	Afternoon  20.7  0.0  0.0  0.0  Less Intense  Afternoon  2.0, 9  0  0  Not Present		change in intensity  Bubbling no change in
O2 Methane H2s PID (VOC) Ste 19 (#4 BW Pond)  O2 Methane H2s PID (VOC) Ste 20 (Sheen on Crystal seek (Big Pond))	(Circle One)	Morning  20,9  O.O.  More Intense  Morning  20,9  O.O.  Present  Morning	Afternoon  20.7  0.0  0.0  0.0  Less Intense  Afternoon  Not Present  Afternoon		change in intensity  Bubbling no change in
O2 Methane H2s PID (VOC)  te 19 (#4 BW Pond)  O2 Methane H2s PID (VOC)  te 20 (Sheen on Crystal eek (Big Pond))	(Circle One)	Morning  20,9  A  O O  More Intense  Morning  20,9  O O  Present  Morning	Afternoon  20.7  0.0  0.0  Less Intense  Afternoon  2.0,9  0.0  Not Present  Afternoon  N/A		change in intensity

¥.

#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no change in intensity
		Morning	Afternoon		1
02		20.1	709		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		~ 0	00		
		7/	1		
#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	NoBubbles	Bubbling - no change in intensity
		Morning	Afternoon		The state of the s
02		20.0	20.9		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		00	0.0		
				_1	
#26 Bubble site (Crystal Lake Big Pond)	(Circle One)	More intense	Less Intense	No Bubbles	Bubbling - no change in intensity
	Morning	Afternoon			
02	7 . 6	0 0	1		

#7 Well Pad Site General Housekeeping

Methane

PID (VOC)

H2s

Check Berms for leaks or oil/brine

0.0

0,0

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 # 17/8 #2 full fook Samples Central pond

Signature:

MC

		Central Lake Water Column Profile							
		Sulphur Dome - Calcasieu Parish, Louisiana							
	5	Date:	7-7	Time:					
		Depth (ft):			1 72				
			Top (Blue)	Middle (Yellow)	Bottom (Red)				
		рН	7.95	791	7.94				
	Cond	SC (uS/cm)		7641	3646				
		ORP (mV)	146	148	135				
		Temp (°C)	22.8	23.6	23.7				
		TDS (ppm)	2665	27.73	2737				
		<b>美国经验</b> 证明	A STATE OF THE STA						
		Date:		Time:					
		Depth (ft):			4				
			Top (Blue)	Middle (Yellow)	Bottom (Red)				
	×	рH							
	Cond -	SC (uS/cm)							
		ORP (mV)		9					
		Temp (°C)							
		TDS (ppm)							
		D. I	CONTRACTOR OF THE SAME						
		Date:		Time:					
		Depth (ft):	T (D)	2 - 1 - 1 - 1 - 1 - 1 - 1					
		72/3	Top (Blue)	Middle (Yellow)	Bottom (Red)				
	0.	pH SC (-C/)							
	Cond.	SC (uS/cm)							
		ORP (mV)							
		Temp (°C)							
		TDS (ppm)	usi ya di Besa i usiye da a						
22		Date:	Secretary of the second	Time:					
		Depth (ft):		Time.					
			Top (Blue)	Middle (Yellow)	Pottory (Deal)				
		рН	Top (blac)	whate (Tellow)	Bottom (Red)				
	Cond	SC (uS/cm)							
	-0-,-04	ORP (mV)							
		Temp (°C)							
	-	TDS (ppm)							

## Sulphur Field Observation Daily Report (Nightshift)

Į.	5pm	6pm -	7pm	8pm	5pm	10pm	1lpm	12am	1am	2am	3am	4am
7b Tubing Pressure	77.2	77.3	77.1	77.4	77.3	77.2	723	77.6	77.3	77.4	77.3	77.6
7b Annulus Pressure	431.7	431.6	431.4	431.2	43/2	431.1	431.1	431.1	431.1	431.2	431.3	436,2
7b Injection Rate	317.6	317.8	318.2	318.5	312.5	318.3	318.4	318.9	319.3	319.8	319.9	30,3
7b Downhole Gauge	1420/2	1420/93	142012	1926/8	1420/92	1420/2	14249	1420/2	142012	1/20%	1420/	142/12
6x Pressure	175.2	175-3	175.2	175.2	175,2	175.2	175.2	175.2	175.2	175.2	175-2	175.2
2 Tubing Pressure		2518										257.9
2 Annulus Pressure		357,2										357.5
4 Tubing Pressure		249										249.6
4 Annulus Pressure		257,7										258.1

Site 9 (#4 BW Pond)  OZ  Methane  HZs  PID (VOC)  PID (VOC)	Site 10 (Yellowrock #7)  O2  Methane  H23  P10 (Circle One)	7A Plugged Well Site  O2  Methane H23  PID (VOC)  PID (VOC)  (Circle One)	Site 1 (E of #22 BW)  O2  Methane  H23  P10 (VOC)  O2  O3  O4  O5  O6  O7  O7  O7  O7  O7  O7  O7  O7  O7
More Intense Less Intense No Bubbles	More intense Less intense (No Bubbles)	More Intense Less Intense No Bubbles	More Intense Less Intense No Bubbles
EUBSing - no change in intensity	Bubbling - no change in intensity  A 0-8  O 0-0  CO. O	Bubbling - no change in intensity  A 0 7	fubbling-no hange in intensity 2048
0.0	0.0	63000	00000