Westlake US 2 Daily Report Date Reported: 10/7/2023

## **Pressure Data:**

10/6/2023 @ 6PM

7B Tubing Press = 78.3 psig

7B Annulus Press = 432.7 psig

Downhole Pressure in 7B Tubing = 1422 psig

7B Brine Injection Rate = 327.2 GPM

6X Annulus Press = 174.8 psig

PPG 2 Tubing Pressure = 245.3 psig

PPG 2 Annulus Press = 343.6 psig

PPG 4 Tubing Pressure = 242.2 psig

PPG 4 Annulus Press = 257.9 psig

### 10/7/2023 @ 4AM

7B Tubing Press = 78.8 psig

7B Annulus Press = 433.4 psig

Downhole Pressure in 7B Tubing = 1424 psig

7B Brine Injection Rate = 324.7 GPM

6X Annulus Press = 174.8 psig

PPG 2 Tubing Pressure = 245.6 psig

PPG 2 Annulus Press = 344.8 psig

PPG 4 Tubing Pressure = 242.7 psig

PPG 4 Annulus Press = 258.5 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:
  - -No gas was removed for any well yesterday.
  - -Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday.
- -6X Obstruction Remediation:
- -Work scheduled to start on 10-16. UIC-17 and work procedure will be submitted early next week.
- -We have been observing a slow pressure drop on #6X over the last several weeks. This pressure is subject to change post remediation work. Westlake will continue to monitor this trend closely.

  -3D Seismic:
  - -Lonquist working on completing final contour map based on clarifications from IMD.
- -Monitoring wells:
- -ERM has confirmed with Walker hill that deeper drilling depths if required to reach caprock are feasible. Meeting with IMD and Environmental scheduled for 10/9 to discuss path forward.
- -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 (Nightshift)

	Spm	6pm -	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	Aarn
7b Tubing Pressure	78.2	78.3	78.3	78.2	78.5	78.6	78.7	78.9	78.9	78.8	79.0	78.8
7b Annulus Pressure	432.7	432.7	432.6	432.6	432.91	132.9	433.1	433.1	433.2	433.2	433.4	433.4
7b Injection Rate	328.1	327.2	327.3	327.5	327.2	327.2	326.8	326.8	326.2	325.8	325.5	324.7
7b Downhole Gauge	1422/92	1422/92	1423/92	1423/92	1423/92	142362	1423/92	1423/92	1423/92	142492	142492	1424/92
6x Pressure	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8	174.8
2 Tubing Pressure		245.3										245.6
2 Annulus Pressure		343.6										344.8
		242.2										242.7
4 Tubing Pressure		257.9										258.5
4 Annulus Pressure												

Site 9 (#4 BW Pond)  O2  Methane  H23  PID (VOC)  O3  CIrcle One)  More Intense	Site 10 (Yellowrock #7)   (Circle One)   More Intense	7A Plugged Well Site  OZ  OZ  Methane  HZs  PID (VOC)  OCICIE One)  More Intense	Site 1 (E of #22 BW)  22   20   9    Methane   H23   PID (voc)   P
Less Intense	Less Intense	Less Intense	Less Intense
No Bubbles  Change in intensity	No Bubbles Bubbling - no change in intensity	No Bubbles Bubbling - no	No Bubbles (Bubbling - no Change in intensity)
0000	0000	C C C C	0000
0000	0000	0000	20.9

		Sulphur Field	Observation Daily F	Report (Dayshlf	ft)
	I				Bubbling - no
Site 1 (E of #22 BW)	(Circle One	) More Intense	Less Intense	No Bubbles	change in
		Morning	Afternoon		Time Take
O	2	21.0	20.9		
H2S/Methan	e	0	0		
H2	!s	0.0	0.0		
PID (VOC	<b>:</b> )	0.0	0.0		
Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		Intensity
O	2	21.0	121.0		
Methane	2	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		- market
02		20.7	21.0		
Methane		0	0	7	
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
Site 5 (Central Lake)	(Circle One)	Mare Intense	Less intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	21.0		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)	1	9.0	0.0	]	
te 6 (Central Lake)	Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
		Morning	Afternoon		intensity
02	1	20.9	20,9		
Methane		0	0		
H2s		0.0	0.0	1	
PID (VOC)		0.0	0.0		
-					
e 7 (Central Lake)	Circle One)	Nore Intense	Less Intense	No Bubbles	Bubbling - No change in intensity
		Morning	Afternoon		EditA
	0400				

02

Methane H2s

PID (VOC)

Morning 20.9

0.0

0.0

Site 7 (Central Lake)

21.0

0.0

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	100
	-	Morning	Afternoon	-	intensity
O	2	70.8	20,9		
Methano		0	A		
H2:		0	0.0		
		0.0	-	-	
PID (VOC	)	0.0	0.0		
	T				
Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		7
02	:	20.4	21.0		
Methane	!	0	0		
H2s	i	0.0	0.0		
PID (VOC)		0.0	00		
Site 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	No Hubbles	Bubbling - no change in
		Morning	Afternoon		intensity
02		21.0	21.0		
Methane		0	0	7	
H2s	1	00	0.9	_	
PID (VOC)		0.0		-	
FID (VOC)	4	0,0	0.0		
					Dubbling
Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
		Moretee	1		intensity
02		Morning	Afternoon		
		40.4	21.0	-	
Methane		0	0		
H2s	-	0.0	0.0		
PID (VOC)	1	0.0	0.0		
ite 14 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
	1	Morning	Afternoon		
02		20.1	2-1.0		
Methane		9	0		
H2s		0.0	0.0	1	
PID (VOC)		0.0		-	
5 (150)	J_	e io	6.0	1	
ite 17 (Central Lake)	Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
		Morning	Afternoon		intensity
02		20.9	2-1.0	1	
Methane		0	0	1	
H2s		0.0	0.0	1	
PID (VOC)		0.0	0.0		
	-		V.V	-12	
			Less Intense	No Bubbles	Bubbling no change in intensity
	Circle One) N	Nore Intense			
	Circle One) N	Morning	Afternoon		intensity
	Circle One) M		Afternoon		Intensity
ce 18 (Central Lake) (C	Circle One) N		- 10		intensity
te 18 (Central Lake) (C O2 Methane	Circle One) N	Morning 20.0	21.0		intensity
ee 18 (Central Lake) (C	Circle One)	Morning 20.8	- 10		intensity

Afternoon  O O O O O O O O O O O O O O O O O	No Bubbles	Bubbling - no change in
O O O O O O O O O O O O O O O O O O O	No Bubbles	change in
O O O O O O O O O O O O O O O O O O O	No Bubbles	change in
SS Intense  Afternoon  O  O  O  O  O  O  O  O  O  O  O  O  O	No Bubbles	change in
SS Intense  Afternoon  O  O  O  O  O  O  O  O  O  O  O  O  O	No Bubbles	change in
Afternoon  O O O O	No Bubbles	change in
Afternoon	No Bubbles	change in
0.0		intensity
0.0		
0.0		
	1	
	İ	
0.0	-	
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ss Intense	No Bubbles	Bubbling - no change in intensity
Afternoon		
21.0		
0	1	
0.0		
0.0	Ţ	
ss Intense	No Bubbles	Bubbling - no change in intensity
Afternoon		
20.9		
0		
0.0	1	
0.0	1	
<u> </u>	1	
ss Intense	No Bubbles	Bubbling - no change in intensity
Afternoon		
21.0		
0	]	
0.0	1	
	1	
0.0	1	
ss Intense	No Bubbles	Bubbling no change in intensity
Afternoon		
11.0		
0		
10	1	
00	†	
r Present	1	
Afternoon		
Afternoon	1	
Afternoon A	1	
Afternoon A	1	
	Afternoon A	Afternoon A

#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
7 0	2	21.0	20.9		
Methan	e	0	٥		
H2	s	0.0	0.0		
				1	
PID (VO	:) 	0,0	0.0		
	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
				No Bubbles	Annual Control of the
	(Circle One)	More Intense	Less Intense	No Bubbles	change in
#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	change in
#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	change in

#26 Bubble site (Crystal Lake Big Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	20.9		
Methane	Methane		0		
H2s		0.0	0.0		
PID (VOC)		0.0	00		

#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?

Clean	red #22			
Took	somples	Centici	lake	
	#17/8 +			

Signature:

	Central Lake Water Column Profile							
			Calcasieu Parish, Lo	ouisiana				
7)	Date:		Time:	8:00				
	Depth (ft):	4'311						
		Top (Blue)	Middle (Yellow)	Bottom (Red)				
0	pH	7.57	7.44	7.55				
Cond	SC (uS/cm)	3584	3572	355 B				
	ORP (mV)	103	96	10				
	Temp (°C)	24.3	24.8	24.7				
	TDS (ppm)	2681	2671	2660				
	Date:		Time:					
	Depth (ft):							
		Top (Blue)	Middle (Yellow)	Bottom (Red)				
4	pH							
Cond -	SC (uS/cm)							
	ORP (mV)		ů.					
	Temp (°C)							
	TDS (ppm)							
	Data	Laboratorio de primo						
	Date:	AT 8	Time:					
	Depth (ft):	T (5)						
	- 70.5	Top (Blue)	Middle (Yellow)	Bottom (Red)				
0.	pH							
Cond.	SC (uS/cm)							
	ORP (mV)							
	Temp (°C)							
	TDS (ppm)							
	Data							
	Date:		Time:					
	Depth (ft):	T /ml \]						
		Top (Blue)	Middle (Yellow)	Bottom (Red)				
	pH pH							
Cond	SC (uS/cm)		70,					
	ORP (mV)							
	Temp (°C)							
ı	TDS (ppm)							