

## **Pressure Data:**

### 10/20/2023 @ 6PM

7B Tubing Press = 68.0 psig  
7B Annulus Press = 430.1 psig  
Downhole Pressure in 7B Tubing = 1420 psig  
7B Brine Injection Rate = 319.6 GPM  
6X Annulus Press = 174.7 psig  
PPG 2 Tubing Pressure = 250.4 psig  
PPG 2 Annulus Press = 376.9 psig  
PPG 4 Tubing Pressure = 248.1 psig  
PPG 4 Annulus Press = 256.7 psig

### 10/21/2023 @ 4AM

7B Tubing Press = 67.3 psig  
7B Annulus Press = 428.9 psig  
Downhole Pressure in 7B Tubing = 1419 psig  
7B Brine Injection Rate = 319.4 GPM  
6X Annulus Press = 175.0 psig  
PPG 2 Tubing Pressure = 250.5 psig  
PPG 2 Annulus Press = 377.9 psig  
PPG 4 Tubing Pressure = 248.4 psig  
PPG 4 Annulus Press = 257.0 psig

## **Site Observations:**

-Marsh buggy was used to excavate around the unknown wellhead W of #7. Vendor was able to excavate up to 6' deep around the object so we expect no underground piping connections. Westlake is working on dewatering the pond to get a better visual on the excavation area. Pics will be provided once the water is removed.

## **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:
  - Snubbing rig is in place. Expect to be running tools in the borehole today to attempt to remove obstruction.
- Monitoring wells:
  - Work plans submitted. Well driller tentatively scheduled for early November.
- 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 now funded and on-going.
- 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.



Date: 10/20/23

**Sulphur Field Observation Daily Report (Nightshift)**

[illegible]

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.9
Methane	0				0
H2s	0				0
PIB (VOC)	0				0

7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.9
Methane	0				0
H2s	0				0
PIB (VOC)	0				0

Site 10 (Yellowrock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.9
Methane	0				0
H2s	0				0
PIB (VOC)	0				0

Site 9 (H4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.9
Methane	0				0
H2s	0				0
PIB (VOC)	0				0

Site 19 (14 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
02	20.9				20.9
Methane	0				0
H2S	0				0
PIG VOC	0				0

#7b Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
02	20.8				20.8
Methane	0				0
H2S	0				0
PIG 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, Intensity changes, or comments?

Signature:

Yu. E.

Date: 10-20-23

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
O2		Morning	Afternoon		
H2S/Methane		20.9	20.9		
H2s		0	0		
PID (VOC)		0	0		

Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2		Morning	Afternoon		
Methane		20.9	20.9		
H2s		0	0		
PID (VOC)		0	0		

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

Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2		Morning	Afternoon		
Methane		20.9	20.9		
H2s		0	0		
PID (VOC)		0	0		

Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2		Morning	Afternoon		
Methane		20.9	20.9		
H2s		0	0		
PID (VOC)		0	0		

Site 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2		Morning	Afternoon		
Methane		20.9	20.9		
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	20.9		
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	20.8		
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		20.9	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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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
O2		Morning 20.9	Afternoon 20.9		
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
O2		Morning 20.9	Afternoon 20.9		
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
O2		Morning 20.9	Afternoon 20.9		
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 full

Signature:

MC



# Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Cond

Date:	10-20-23	Time:	8:00
Depth (ft):	4'2"		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	7.88	7.97	7.92
SC (uS/cm)	3775	3738	3770
ORP (mV)	109	116	119
Temp (°C)	21	21.4	21.7
TDS (ppm)	2854	2823	2846

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)			