

## Pressure Data:

### 10/17/2023 @ 6PM

7B Tubing Press = 68.7 psig  
7B Annulus Press = 428.6 psig  
Downhole Pressure in 7B Tubing = 1418 psig  
7B Brine Injection Rate = 313.9 GPM  
6X Annulus Press = 175.4 psig  
PPG 2 Tubing Pressure = 247.7 psig  
PPG 2 Annulus Press = 367.3 psig  
PPG 4 Tubing Pressure = 245.0 psig  
PPG 4 Annulus Press = 253.5 psig

### 10/18/2023 @ 4AM

7B Tubing Press = 68.7 psig  
7B Annulus Press = 428.4 psig  
Downhole Pressure in 7B Tubing = 1419 psig  
7B Brine Injection Rate = 316.9 GPM  
6X Annulus Press = 175.0 psig  
PPG 2 Tubing Pressure = 247.7 psig  
PPG 2 Annulus Press = 368.6 psig  
PPG 4 Tubing Pressure = 245.5 psig  
PPG 4 Annulus Press = 254.1 psig

## Site Observations:

-Confirmed that we can work under NWP 6 in this area W of #7. Excavation scheduled for today.

## Operational Notes:

-Pressure changes on #7 were due to switching brine injection from PPG #22 to PPG #21 so that Westlake could perform some surface piping work. Injection brine has returned to PPG #22 as of this morning 10-18-23.

-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 and vendors began mobilizing equipment to PPG 6 well pad.

-3D Seismic:

-Request from IMD for deliverables is being evaluated by Lonquist, completion dates will be provided.

-Monitoring wells:

-ERM has circulated the work plan internally review. Plans will be submitted to the DNR in the next day or so.

-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: 10/17/23

Sulphur Field Observation Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	68.0	68.7	67.8	67.8	67.5	67.9	67.7	68.5	68.7	69.9	70.8	68.7
7b Annulus Pressure	428.9	428.6	428.1	428.2	427.7	428.0	427.8	427.7	427.9	428.0	428.2	428.4
7b Injection Rate	313.6	313.9	315.4	315.9	315.8	316.6	317.3	317.7	320.0	324.8	327.7	316.9
7b Downhole Gauge	1418/92	1418/92	1418/92	1418/91	1418/92	1418/92	1418/92	1418/92	1418/92	1419/91	1419/92	1419/92
6x Pressure	175.3	175.4	175.1	175.2	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
2 Tubing Pressure		247.7										247.7
2 Annulus Pressure		367.3										368.6
4 Tubing Pressure		<del>253</del>	245.00							245.51		<del>235.1</del>
4 Annulus Pressure		<del>175.2</del>	253.55							254.06		<del>175.0</del>

1

Site 1 (E of H22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.7
Methane	0				0
H2s	0.0				0.0
PID (VOC)	0.0				0.0

7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.7
Methane	0				0
H2s	0.0				0.0
PID (VOC)	0.0				0.0

Site 10 (Yellowrock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.8				20.7
Methane	0				0
H2s	0.0				0.0
PID (VOC)	0.0				0.0

Site 9 (H4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.4				20.7
Methane	0				0
H2s	0.0				0.0
PID (VOC)	0.0				0.0

Site 19 (#4 BIV Band)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
4					
O2					20.8
Methane					0
H2S					0.0
PIP (VOC)					0.0

#7b Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
7b					
O2					20.8
Methane					0
H2S					0.0
PIP (VOC)					0.0

#7 Well Paid 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: *Colin Veille*

Date: 10-17-23

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	21.1		
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		21.0	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		21.0	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		21.0	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		21.0	21.0		
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		21.0	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	21.1		
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		20.9	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		21.0	21.0		
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		21.0	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		21.0	21.0		
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		21.0	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		21.0	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		21.0	20.9		
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	21.0		
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		21.0	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		21.0	21.0		
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		
		20.9	21.0		
		0	0		
		0.0	0.0		
O2					
Methane					
H2s					
PID (VOC)					

#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		20.9	21.0		
		0	0		
		0.0	0.0		
O2					
Methane					
H2s					
PID (VOC)					

#26 Bubble site (Crystal Lake Big Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		21.0	20.9		
		0	0		
		0.0	0.0		
O2					
Methane					
H2s					
PID (VOC)					

#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  
clean up #22

Signature:

Mc