

Pressure Data:

9/10/2023 @ 6PM

7B Tubing Press = 67.0 psig
7B Annulus Press = 430.4 psig
Downhole Pressure in 7B Tubing = 1418 psig
7B Brine Injection Rate = 313.5 GPM
6X Annulus Press = 181.7 psig
PPG 2 Tubing Pressure = 245.9 psig
PPG 2 Annulus Press = 835.3 psig
PPG 4 Tubing Pressure = 246.02 psig
PPG 4 Annulus Press = 259.18 psig

9/11/2023 @ 4AM

7B Tubing Press = 67.9 psig
7B Annulus Press = 429.9 psig
Downhole Pressure in 7B Tubing = 1418 psig
7B Brine Injection Rate = 313.5 GPM
6X Annulus Press = 181.5 psig
PPG 2 Tubing Pressure = 245.9 psig
PPG 2 Annulus Press = 835.3 psig
PPG 4 Tubing Pressure = 246.02 psig
PPG 2 Annulus Press = 259.45 psig

Site Observations:

- Airboat observations to take place today.

Operational Notes:

-No gas has been bled off any wells since IMD has requested this to be reported. When a bled off occurs, Westlake will note in the operational notes and the following day will report the volume.

-ERM will be onsite to sample #14 location sheen, monthly water well samples, and re-sample brown substance in the algae plume on central lake (Previous sample did not get sent to the lab within 48 hours due to labor day holiday)

-Westlake plans to probe location #5 and unknown structure West of #7 today, observations from probing will be sent in tomorrow's update.

-Final internal review of de-pressure plan for 6X scheduled for today. Plan to be submitted to DNR tomorrow.

-3D seismic results internal review scheduled for tomorrow, meeting request to go over results with IMD will be sent no later than Wednesday.

-Monitoring wells status: PO to ERM is pending approvals. ERM to award contractor and submit permits after receiving PO. I will confirm with ERM on submittal date for applications. We still expect to start field work in October.



Date: 9/10/23

Sulphur Field Observer Daily Report (Nightshift)

	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	67.7	67.0	67.5	67.2	67.5	67.6	67.7	67.7	67.8	67.8	67.6	67.9
7b Annulus Pressure	430.6	430.4	430.3	430.2	430.1	430.1	430.0	430.2	430.1	430.0	430.0	429.9
7b Injection Rate	313.7	313.5	313.3	313.4	313.9	313.8	313.6	313.5	313.4	313.0	313.8	313.5
7b Downhole Gauge	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93	1418/93
6x Pressure	181.7	181.7	181.7	181.7	181.6	181.6	181.6	181.5	181.6	181.5	181.5	181.5
2 Tubing Pressure		245.9										245.9
2 Annulus Pressure		835.3										835.3

Site 1 (E of #22 BW)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity		
O2	21.0						21.0	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	20.9						21.0	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	21.0						20.9	20.9
Methane	0						0	0
H2s	0						0	0
PID (VOC)	0						0	0

Site 5 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	<input checked="" type="radio"/> No Bubbles	Bubbling - no change in intensity
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O2	21.0				21.0
Methane	0				0
H2S	0				0
PH (VOC)	0				0

Site 13 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	<input checked="" type="radio"/> No Bubbles	Bubbling - no change in intensity
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O2	21.0				21.0
Methane	0				0
H2S	0				0
PH (VOC)	0				0

#7b Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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O2	20.9				21.0
Methane	0				0
H2S	0				0
PH (VOC)	0				0

#7 Well Pad Site General Housekeeping

Check Berms for leaks or oil/drill	✓
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:

W. E.

Date: 9-10-2023

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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
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	20.9		
Methane		0.0	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	21.0		
Methane		0.0	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		20.9	21.0		
Methane		0.0	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	20.9		
Methane		0.0	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	20.9		
Methane		0.0	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	20.9		
Methane		0.0	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	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	20.9		
Methane		0.0	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	20.9		
Methane		0.0	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	20.9		
Methane		0.0	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	21.0		
Methane		0.0	0.0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		

Site 20 (Sheen on Crystal Creek (8lg 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

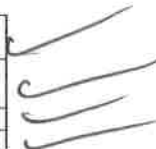
#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		21.0	21.0		
Methane		0.0	0.0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		

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

#26 Bubble site (Crystal take Big Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		2.0	2.0		
Methane		0.0	0.0		
H2s		0.0	0.0		
PID (VOC)		0.0	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 or comments?

Fuel Cell #7 5/8
Fuel Cell #2 5/8

Signature:

PB