

## **Pressure Data:**

### 11/03/2023 @ 6PM

7B Tubing Press = 71.2 psig  
7B Annulus Press = 433.6 psig  
Downhole Pressure in 7B Tubing = 1419 psig  
7B Brine Injection Rate = 315.6 GPM  
6X Annulus Press = 166.5 psig  
PPG 2 Tubing Pressure = 257.0 psig  
PPG 2 Annulus Press = 394.6 psig  
PPG 4 Tubing Pressure = 254.5 psig  
PPG 4 Annulus Press = 262.8 psig

### 11/04/2023 @ 4AM

7B Tubing Press = 70.7 psig  
7B Annulus Press = 432.8 psig  
Downhole Pressure in 7B Tubing = 1419 psig  
7B Brine Injection Rate = 314.9 GPM  
6X Annulus Press = 166.2 psig  
PPG 2 Tubing Pressure = 257.2 psig  
PPG 2 Annulus Press = 394.9 psig  
PPG 4 Tubing Pressure = 254.7 psig  
PPG 4 Annulus Press = 263.2 psig

## **Site Observations:**

-None

## **Operational Notes:**

- Gas removal or oil withdrawal:
  - No gas was removed yesterday.
  - No oil was bled from PPG 7 yesterday, volumes will be determined upon sale.
- Monitoring wells:
  - Scheduled to start no later than 11/13.
- 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 on-going.
- 3D Seismic
  - Top of caprock map was submitted yesterday. Updated spacing map will be submitted on 11/8. Fault plane map will be submitted by Nov 29<sup>th</sup>.



Date:

## 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                   | 21.1         |              |              |            | 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                   | 21.0         |              |              |            | 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                      | 21.0         |              |              |            | 20.9                              |
| Methane                 | 0            |              |              |            | 0                                 |
| H2s                     | 0            |              |              |            | 0                                 |
| PIB (VOC)               | 0            |              |              |            | 0                                 |

|                     |              |              |              |            |                                   |
|---------------------|--------------|--------------|--------------|------------|-----------------------------------|
| Site 9 (#4 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 (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                                 |
| PH (VOC)             | 0            |              |              |            | 0                                 |

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

M.E.

Date:

11/3/23

## 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                   |              | 21.1         | 21.1         |            |                                   |
| H2S/Methane          |              | 0            | 0            |            |                                   |
| H2s                  |              | 0            | 0            |            |                                   |
| PID (VOC)            |              | 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            |            |                                   |
| PID (VOC)             |              | 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            |            |                                   |
| PID (VOC)             |              | 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            |            |                                   |
| PID (VOC)             |              | 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            |            |                                   |
| PID (VOC)             |              | 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            |            |                                   |
| PID (VOC)             |              | 0            | 0            |            |                                   |

| Site 8 (Central Lake) | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity |
|-----------------------|--------------|--------------|--------------|------------|-----------------------------------|
|                       |              | Morning      | Afternoon    |            |                                   |
| O2                    |              | 21.0         | 21.0         |            |                                   |
| 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                  |              | 21.0         | 21.0         |            |                                   |
| 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                       |              | 21.0         | 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                     |              | 21.0         | 21.0         |            |                                   |
| 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                   |              | 21.0         | 21.0         |            |                                   |
| 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 |
|                     |              | Morning      | Afternoon    |            |                                   |
| O2                  |              | 21.1         | 21.1         |            |                                   |
| 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 |
|                       |              | Morning      | Afternoon    |            |                                   |
| O2                    |              | 21.1         | 21.1         |            |                                   |
| 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 |
|   |              | Morning      | Afternoon    |            |                                   |
| O2                                      |              | 21.0         | 21.0         |            |                                   |
| 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?

water

Fuel cell #1 3/4 Fuel #2  
Samples from central lake

F

Signature:

LD



# Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Cond

|             |            |                 |              |
|-------------|------------|-----------------|--------------|
| Date:       | 11/3/23    | Time:           | 9:00         |
| Depth (ft): | 4 ft       |                 |              |
|             | Top (Blue) | Middle (Yellow) | Bottom (Red) |
| pH          | 7.83       | 7.77            | 7.72         |
| SC (uS/cm)  | 4025       | 4060            | 4035         |
| ORP (mV)    | 208        | 161             | 186          |
| Temp (°C)   | 16.2       | 15.3            | 15.7         |
| TDS (ppm)   | 3086       | 3116            | 3088         |

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)   |            |                 |              |