**Westlake US 2 Daily Report**
**Date Reported:** 10/19/2024

## Pressure Data:

| Time | BW #7B Tubing Pressure (PSI) | BW #7B Casing Pressure (PSI) | BW #7B Downhole Pressure @ 2,650' (PSI) | #7B Brine Injection Flow (GPM) | BW #6X Casing Pressure (PSI) | BW #2 Tubing Pressure (PSI) | BW #2 Casing Pressure (PSI) | BW #4 Tubing Pressure (PSI) | BW #4 Casing Pressure (PSI) |
|---|---|---|---|---|---|---|---|---|---|
| 10/18/24 5:00 AM | 106.559 | 428.516 | 1414.216 | 528.120 | 640.408 | 277.577 | 280.788 | 277.520 | 302.289 |
| 10/18/24 6:00 AM | 106.676 | 428.406 | 1414.205 | 529.711 | 640.392 | 277.619 | 280.802 | 277.547 | 302.334 |
| 10/18/24 7:00 AM | 106.662 | 428.495 | 1414.222 | 529.598 | 640.355 | 277.655 | 280.840 | 277.564 | 302.367 |
| 10/18/24 8:00 AM | 106.632 | 428.568 | 1414.209 | 529.232 | 640.345 | 277.701 | 280.850 | 277.677 | 302.654 |
| 10/18/24 9:00 AM | 106.592 | 428.732 | 1414.172 | 528.274 | 640.403 | 277.765 | 280.903 | 278.016 | 299.903 |
| 10/18/24 10:00 AM | 106.596 | 428.955 | 1414.122 | 527.509 | 640.496 | 277.861 | 280.983 | 278.337 | 301.421 |
| 10/18/24 11:00 AM | 106.595 | 429.188 | 1414.090 | 527.051 | 640.607 | 277.938 | 280.935 | 277.693 | 301.286 |
| 10/18/24 12:00 PM | 106.518 | 429.441 | 1414.089 | 526.508 | 640.654 | 278.016 | 281.118 | 277.572 | 301.167 |
| 10/18/24 1:00 PM | 106.397 | 429.585 | 1414.053 | 525.677 | 640.714 | 278.092 | 281.305 | 277.411 | 301.165 |
| 10/18/24 2:00 PM | 106.385 | 429.662 | 1413.999 | 525.216 | 640.787 | 278.145 | 281.425 | 277.298 | 301.190 |
| 10/18/24 3:00 PM | 106.385 | 429.667 | 1413.964 | 525.389 | 640.819 | 278.211 | 281.562 | 277.233 | 301.135 |
| 10/18/24 4:00 PM | 106.366 | 429.617 | 1413.929 | 525.919 | 640.863 | 278.243 | 281.621 | 277.145 | 301.142 |
| 10/18/24 5:00 PM | 106.273 | 429.461 | 1413.903 | 526.007 | 640.872 | 278.251 | 281.622 | 277.591 | 301.214 |
| 10/18/24 6:00 PM | 106.926 | 429.242 | 1413.964 | 529.369 | 640.840 | 278.205 | 281.369 | 278.080 | 301.362 |
| 10/18/24 7:00 PM | 106.001 | 428.957 | 1413.945 | 525.724 | 640.800 | 278.163 | 281.236 | 278.055 | 301.418 |
| 10/18/24 8:00 PM | 106.385 | 428.751 | 1413.906 | 528.327 | 640.705 | 278.170 | 281.263 | 278.069 | 301.515 |
| 10/18/24 9:00 PM | 108.030 | 428.861 | 1414.088 | 534.663 | 640.625 | 278.178 | 281.268 | 278.073 | 301.569 |
| 10/18/24 10:00 PM | 108.227 | 428.958 | 1414.290 | 535.461 | 640.568 | 278.207 | 281.281 | 278.108 | 301.645 |
| 10/18/24 11:00 PM | 108.260 | 429.104 | 1414.461 | 534.905 | 640.525 | 278.241 | 281.300 | 278.131 | 301.698 |
| 10/19/24 12:00 AM | 108.125 | 429.248 | 1414.585 | 533.726 | 640.503 | 278.267 | 281.365 | 278.177 | 301.739 |
| 10/19/24 1:00 AM | 108.187 | 429.311 | 1414.669 | 532.825 | 640.467 | 278.305 | 281.413 | 278.213 | 301.815 |
| 10/19/24 2:00 AM | 108.080 | 429.352 | 1414.717 | 532.406 | 640.457 | 278.351 | 281.438 | 278.245 | 301.896 |
| 10/19/24 3:00 AM | 108.025 | 429.349 | 1414.757 | 531.989 | 640.430 | 278.380 | 281.464 | 278.292 | 301.956 |
| 10/19/24 4:00 AM | 108.064 | 429.392 | 1414.784 | 531.812 | 640.411 | 278.421 | 281.504 | 278.327 | 302.007 |

## Site Observations:

-None

## Operational Notes:

-Water samples were taken from Central Lake

## Containment Update:

Engineering/Testing:

-Recon plans to issue IFA package for SW section by this Friday to Westlake
-3 boring remain from original boring plan; additional borings will be completed in areas where shallow sand layers were discovered
-Dirt pits have been test by geotechnical vendor; awaiting environmental sampling
-Lonquist/Westlake have met with Neighbors about determining proper loading for designing the core well pad

Construction:

- Unloaded equipment & excavating rock from road to water wells

Reported by Randy Broussard (Westlake)

Westlake

**Date:** 10/18/24

**SUBJECT: Westlake Daily Operational Summary**

- #7 Brine Injection Source (Sulphur Brine) or Starks Brine (Circle One)
- Brine Well #7:
    - Bled Oil from cavern? Y or (N) (Circle One)
        - If yes, provide frac tank level:
- Brine Well #4:
    - Bled brine from cavern? Y or (N) (Circle One)
    - Bled gas from annlus? Y or (N) (Circle One)
        - If yes, provide pressures below:
        - Before: After:
- Brine Well #2:
    - Bled brine from cavern? Y or (N) (Circle One)
    - Bled gas from annulus? Y or (N) (Circle One)
        - If yes, provide pressure below:
        - Before: After:
- Miscellaneous Comments:

Date: Oct. 18, 2024

# Sulphur Field Observation Daily Report (Dayshift)

| Daily Westlake Water Well Readings | GPM |
|---|---|
| Water Well #11 | 0 |
| Water Well #12 | 0 |
| Water Well #13 | 0 |
| Water Well #19 | 0 |
| Water Well #40 | 1632 |

| Site 1 (E of #22 BW) | Circle One | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity |
|---|---|---|---|---|---|

| | Morning | Afternoon |
|---|---|---|
| O2 | 20.9 | 20.9 |
| 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 | 20.9 | 20.9 |
| 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 | 20.9 | 20.9 |
| 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 | 20.9 | 20.9 |
| 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 | 20.9 | 20.9 |
| 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 | 20.9 | 20.9 |
| 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 | 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 | 20.9 |
| 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 | 20.9 |
| 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 Salt Lake (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 | 20.9 | 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 |
|---|---|---|---|---|---|

| | Morning | Afternoon |
|---|---|---|
| O2 | 20.9 | 20.9 |
| Methane | 0 | 0 |
| H2s | 0 | 0 |
| PID (VOC) | 0 | 0 |

| #26 Bubble site (Salt Lake (Big 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 | 3 |

| #27 Bubble site (Road S of Yellow rock shop) | (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 |

| #28 Bubble site (MW-2 500' Well) | (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 |

| #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? | $H_2O$ samples @ central (LA) |
|---|---|

## Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

| | | | |
|---|---|---|---|
| Date: | 10-18-24 | Time: | 9:22 am |
| Depth (ft): | 4 ft 5 | | |
| | Top (Blue) | Middle (Yellow) | Bottom (Red) |
| pH | 7.65 | 7.62 | 7.62 |
| SC (uS/cm) | 1943 | 1959 | 1985 |
| ORP (mV) | 254 | 218 | 142 |
| Temp (°C) | 19.5 | 19.5 | 19.5 |
| TDS (ppm) | 1437 | 1443 | 1464 |

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) | | | |

Cond

Date: 10/18/24

## Sulphur Field Observation Daily Report (Nightshift)

| Site 1 (E of #22 BW) | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.9 | | | | | | 20.8 | | 20.8 |
| 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 | 20.8 | | | | | | 20.8 | | 20.8 |
| 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 | [illegible] | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.9 | | | | | | 20.8 | | 20.7 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 0 | | | | | | 0 | | 0 |

| Site 9 (#4 BW Pond) | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.9 | | | | | | 20.8 | | 20.7 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 0 | | | | | | 0 | | 0 |

| Site 19 (#4 BW Pond) | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.9 | | | | | | 20.8 | | 20.7 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 0 | | | | | | 0 | | 0 |

| #7b Wellhead Cellar | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.8 | | | | | | 20.8 | | 20.8 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 0 | | | | | | 0 | | 0 |

| #27 Bubble site (Road 5 of Yellow rock shop) | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 21.0 | | | | | | 20.8 | | 20.8 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 0 | | | | | | 0 | | 0 |

| #28 Bubble site (MW-2 500' Well) | | (Circle One) | More Intense | Less Intense | No Bubbles | Bubbling - no change in intensity | | | |
|---|---|---|---|---|---|---|---|---|---|
| O2 | 20.8 | | | | | | 20.7 | | 20.8 |
| Methane | 0 | | | | | | 0 | | 0 |
| H2s | 0 | | | | | | 0 | | 0 |
| PID (VOC) | 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 frac tie-in |
| | Check cellar for oil |
| | Check Wellhead for leaks |

| New Observation, intensity changes, or comments? | |
|---|---|
| | |

| Signature | M. E. |
|---|---|