**Facility Well Name** Wheatland Electric #1 **UIC Permit #** KS-01-055-003 **Month** December **Year** 2020

**Submitted** 01/05/2021 **Approved** 01/07/2021 **KOLAR Document ID** 1540798

# Class I-V Injection Well Monthly Monitoring

## Summary of Monthly Report

**Number of days injection occurred:** 31

**Barrels per Day Maximum:** 44,571

| | | | Annulus Pressure psig min 60 | | Injection Pressure | | |
|---|---|---|---|---|---|---|---|
| | Injection Volume Barrels per Day | Injection Rate Barrels per Minute | Gauge psig | Cont. Record psig | Gauge psig | Cont. Record psig | Amount Added to Seal Pot |
| **Monthly Average** | 11,567 | 7.90 | 333 | 333 | -20.3 | -7.5 | |
| **Monthly Maximum** | 18,333 | 13.74 | 372 | 372 | 8.0 | 8.4 | |
| **Monthly Minimum** | 9,286 | 0.00 | 301 | 301 | -25.0 | -10.4 | |
| **Monthly Total** | 358,571 | | | | | | |

## Summary of Continuous Recorder Data

| Maximum Annulus Pressure psig | Minimum Annulus Pressure psig | Maximum Injection Pressure psig | Minimum Injection Pressure psig |
|---|---|---|---|
| 423.00 | 290.00 | 10.60 | -25.00 |

**Comments:**

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# Daily Recorder Data

| Day | Time<br>24 hr | Injection Volume<br>Barrels Per Day | Injection Rate<br>Barrels Per Minute | Annulus Pressure (Gauge)<br>psig | Annulus Pressure (Continuous Recorder)<br>psig | Injection Pressure (Gauge)<br>+ / - | Injection Pressure (Continuous Recorder)<br>+ / - | Seal Pot Fluid Level<br>inches | Type of Fluid Added to Seal Pot | Amount of Fluid Added to Seal Pot<br>gallons | Initials of Collector of Field Recordings | Meter Reading<br>3115.76 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25 | 13,095.24 | 6.62 | 343 | 343.0 | -25 | -9.8 | 29 | | | PS | 3,116.31 | |
| 2 | 07:40 | 10,476.19 | 7.29 | 325 | 325.0 | -25 | -10.1 | 29 | | | PS | 3,116.75 | |
| 3 | 07:40 | 10,476.19 | 7.29 | 326 | 326.0 | -25 | -10.1 | 29 | | | PS | 3,117.19 | |
| 4 | 07:25 | 10,238.10 | 7.31 | 307 | 307.0 | -25 | -10.0 | 29 | | | PS | 3,117.62 | |
| 5 | 07:20 | 10,476.19 | 7.36 | 327 | 327.0 | -25 | -10.3 | 29 | | | FL | 3,118.06 | |
| 6 | 07:30 | 10,476.19 | 7.40 | 335 | 335.0 | -25 | -10.1 | 29 | | | FL | 3,118.50 | |
| 7 | 07:45 | 10,714.29 | 7.38 | 336 | 336.0 | -25 | -10.1 | 29 | | | FL | 3,118.95 | |
| 8 | 07:35 | 11,428.57 | 7.36 | 333 | 333.0 | -25 | -10.1 | 29 | | | PS | 3,119.43 | |
| 9 | 07:25 | 10,476.19 | 7.38 | 333 | 333.0 | -25 | -9.9 | 29 | | | PS | 3,119.87 | |
| 10 | 07:35 | 10,714.29 | 7.38 | 334 | 334.0 | -25 | -10.0 | 29 | | | PS | 3,120.32 | |
| 11 | 07:35 | 10,714.29 | 7.38 | 334 | 334.0 | -25 | -10.0 | 29 | | | PS | 3,120.77 | |
| 12 | 07:30 | 11,428.57 | 7.38 | 334 | 334.0 | -25 | -10.0 | 29 | | | PS | 3,121.25 | |
| 13 | 09:30 | 10,000.00 | 7.40 | 331 | 331.0 | -25 | -9.9 | 29 | | | PS | 3,121.67 | |
| 14 | 08:00 | 10,238.10 | 7.38 | 330 | 330.0 | -25 | -9.6 | 29 | | | PS | 3,122.10 | |
| 15 | 07:30 | 10,714.29 | 7.33 | 332 | 332.0 | -25 | -9.8 | 29 | | | PS | 3,122.55 | |
| 16 | 07:25 | 10,952.38 | 7.31 | 328 | 328.0 | -25 | -10.0 | 29 | | | PS | 3,123.01 | |
| 17 | 07:35 | 10,476.19 | 7.33 | 330 | 330.0 | -25 | -10.0 | 29 | | | PS | 3,123.45 | |
| 18 | 07:15 | 12,380.95 | 12.57 | 362 | 362.0 | -25 | 8.4 | 29 | | | PS | 3,123.97 | |
| 19 | 07:45 | 14,047.62 | 7.29 | 324 | 324.0 | -25 | -10.1 | 29 | | | FL | 3,124.56 | |
| 20 | 08:00 | 10,476.19 | 7.33 | 323 | 323.0 | -25 | -10.0 | 29 | | | FL | 3,125.00 | |
| 21 | 07:20 | 10,476.19 | 12.67 | 365 | 365.0 | 6 | 6.1 | 29 | | | PS | 3,125.44 | |
| 22 | 07:15 | 18,333.33 | 13.74 | 363 | 363.0 | -1 | 0.1 | 29 | | | PS | 3,126.21 | |
| 23 | 07:35 | 14,285.71 | 7.17 | 317 | 317.0 | -25 | -9.7 | 29 | | | PS | 3,126.81 | |
| 24 | 08:00 | 12,619.05 | 12.52 | 344 | 344.0 | 2 | 3.5 | 29 | | | FL | 3,127.34 | |
| 25 | 09:35 | 13,571.43 | 5.50 | 301 | 301.0 | -25 | -10.4 | 29 | | | PS | 3,127.91 | |
| 26 | 10:30 | 10,476.19 | 7.31 | 318 | 318.0 | -25 | -10.1 | 29 | | | PS | 3,128.35 | |
| 27 | 10:10 | 10,476.19 | 7.36 | 319 | 319.0 | -25 | -10.1 | 29 | | | PS | 3,128.79 | |
| 28 | 07:10 | 9,285.71 | 12.90 | 364 | 364.0 | 8 | -8.1 | 29 | | | PS | 3,129.18 | |
| 29 | 07:00 | 15,476.19 | 6.98 | 317 | 317.0 | -25 | -9.8 | 29 | | | PS | 3,129.83 | |
| 30 | 07:30 | 11,666.67 | 0.00 | 372 | 372.0 | 5 | 5.9 | 29 | | | PS | 3,130.32 | |
| 31 | 07:35 | 11,904.76 | 7.17 | 317 | 317.0 | -25 | -9.6 | 29 | | | PS | 3,130.82 | |

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# Weekly Injectate Samples

**Kansas Lab Certificate Number**

| Week | Temperature | | pH | | Chloride | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Degrees Fahrenheit | Date | Standard Units | Date | Cl concentration (mg/l) | Date Sample Collected | Date Sampl Analysed | | |
| 1 | 62.00 | 12/07/2020 | 7.58 | 12/07/2020 | 652.0 | 12/07/2020 | 12/09/2020 | | |
| 2 | 63.00 | 12/14/2020 | 7.54 | 12/14/2020 | 639.0 | 12/14/2020 | 12/16/2020 | | |
| 3 | 63.00 | 12/21/2020 | 7.55 | 12/21/2020 | 750.0 | 12/21/2020 | 12/29/2020 | | |
| 4 | 62.90 | 12/28/2020 | 7.56 | 12/28/2020 | 587.0 | 12/28/2020 | 12/30/2020 | | |
| 5 | | | | | | | | | |

## No monthly injectate samples required.