**Facility Well Name** Compass #3 **UIC Permit #** KS-01-159-005 **Month** March **Year** 2024

**Submitted** 04/26/2024 **Approved** 05/02/2024 **KOLAR Document ID** 1775208

# Class I-V Injection Well Monthly Monitoring

## Summary of Monthly Report

**Number of days injection occurred:** 31

**Barrels per Day Maximum:** 20,571

| | | | Annulus Pressure psig min 50 | | 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 | 12,207 | 8.50 | 74 | 71 | -19.2 | -20.3 | |
| Monthly Maximum | 12,279 | 8.60 | 76 | 74 | -19.0 | -19.7 | |
| Monthly Minimum | 11,684 | 8.24 | 73 | 68 | -24.0 | -20.8 | |
| Monthly Total | 378,407 | | | | | | |

## Summary of Continuous Recorder Data

| Maximum Annulus Pressure psig | Minimum Annulus Pressure psig | Maximum Injection Pressure psig | Minimum Injection Pressure psig |
|---|---|---|---|
| 75.90 | 68.20 | -19.40 | -24.30 |

**Comments:**

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# Daily Recorder Data

| Day | Time 24 hr | Injection Volume Barrels Per Day | Injection Rate Barrels Per Minute | Annulus Pressure (Gauge) psig | Annulus Pressure (Continuous Recorder) psig | Injection Pressure (Gauge) + / - | Injection Pressure (Continuous Recorder) + / - | Seal Pot Fluid Level inches | Type of Fluid Added to Seal Pot | Amount of Fluid Added to Seal Pot gallons | Initials of Collector of Field Recordings | Conductivity Mmhos | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:47 | 12,184.93 | 8.52 | 75 | 72.3 | -19 | -20.3 | 7 | | | JB | 2,308.00 | |
| 2 | 09:45 | 12,213.45 | 8.55 | 75 | 72.5 | -19 | -20.2 | 7 | | | JB | 2,297.00 | |
| 3 | 07:10 | 12,166.76 | 8.45 | 76 | 74.3 | -19 | -20.0 | 7 | | | JB | 2,297.00 | |
| 4 | 05:38 | 12,132.26 | 8.48 | 76 | 74.4 | -19 | -20.0 | 7 | | | JB | 2,288.00 | |
| 5 | 06:59 | 12,172.45 | 8.55 | 73 | 71.4 | -19 | -20.4 | 7 | | | JB | 2,299.00 | |
| 6 | 07:48 | 12,226.81 | 8.48 | 74 | 71.6 | -19 | -20.3 | 7 | | | BO | 2,304.00 | |
| 7 | 08:33 | 12,190.48 | 8.38 | 74 | 71.7 | -19 | -20.1 | 7 | | | BO | 2,300.00 | |
| 8 | 08:42 | 12,209.40 | 8.24 | 73 | 70.2 | -19 | -20.3 | 7 | | | BO | 2,304.00 | |
| 9 | 08:07 | 12,152.52 | 8.52 | 73 | 70.1 | -19 | -20.5 | 7 | | | BM | 2,291.00 | |
| 10 | 08:43 | 11,684.10 | 8.43 | 73 | 70.6 | -24 | -20.6 | 7 | | | BO | 2,311.00 | |
| 11 | 07:42 | 12,232.48 | 8.50 | 73 | 72.1 | -19 | -20.3 | 7 | | | BO | 2,293.00 | |
| 12 | 08:08 | 12,231.52 | 8.52 | 73 | 73.2 | -19 | -20.0 | 7 | | | BO | 2,300.00 | |
| 13 | 07:02 | 12,227.07 | 8.60 | 75 | 72.4 | -19 | -20.0 | 7 | | | JB | 2,296.00 | |
| 14 | 06:34 | 12,213.69 | 8.57 | 75 | 72.5 | -19 | -20.1 | 7 | | | JB | 2,290.00 | |
| 15 | 09:00 | 12,235.64 | 8.48 | 74 | 70.8 | -19 | -20.7 | 7 | | | JB | 2,301.00 | |
| 16 | 10:35 | 12,240.12 | 8.43 | 75 | 72.0 | -19 | -20.4 | 7 | | | JB | 2,295.00 | |
| 17 | 07:16 | 12,211.36 | 8.57 | 75 | 71.8 | -19 | -20.4 | 7 | | | JB | 2,300.00 | |
| 18 | 10:34 | 12,244.90 | 8.52 | 74 | 69.8 | -19 | -20.8 | 7 | | | JB | 2,296.00 | |
| 19 | 06:44 | 12,269.19 | 8.52 | 75 | 71.1 | -19 | -20.3 | 7 | | | JB | 2,301.00 | |
| 20 | 08:15 | 12,227.31 | 8.45 | 75 | 71.8 | -19 | -20.3 | 7 | | | BO | 2,299.00 | |
| 21 | 08:30 | 12,253.31 | 8.45 | 74 | 70.3 | -19 | -20.4 | 7 | | | BO | 2,296.00 | |
| 22 | 08:08 | 12,210.36 | 8.48 | 75 | 72.6 | -19 | -20.4 | 7 | | | BO | 2,279.00 | |
| 23 | 08:05 | 12,239.79 | 8.48 | 74 | 69.3 | -19 | -20.6 | 7 | | | BO | 2,307.00 | |
| 24 | 08:24 | 12,243.21 | 8.50 | 74 | 71.8 | -19 | -20.0 | 7 | | | BO | 2,303.00 | |
| 25 | 08:35 | 12,263.45 | 8.40 | 74 | 71.5 | -19 | -19.7 | 7 | | | BO | 2,300.00 | |
| 26 | 08:35 | 12,214.29 | 8.52 | 73 | 68.3 | -19 | -20.1 | 7 | | | BO | 2,308.00 | |
| 27 | 06:40 | 12,239.36 | 8.52 | 73 | 68.6 | -19 | -20.3 | 7 | | | JB | 2,305.00 | |
| 28 | 06:39 | 12,270.43 | 8.60 | 74 | 69.8 | -19 | -20.4 | 7 | | | JB | 2,300.00 | |
| 29 | 06:37 | 12,278.95 | 8.60 | 75 | 71.7 | -19 | -20.0 | 7 | | | JB | 2,301.00 | |
| 30 | 13:38 | 12,251.48 | 8.57 | 75 | 71.2 | -19 | -20.2 | 7 | | | JB | 2,303.00 | |
| 31 | 06:43 | 12,275.95 | 8.50 | 76 | 72.1 | -19 | -19.9 | 7 | | | JB | 2,296.00 | |

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# Weekly Injectate Samples

**Kansas Lab Certificate Number** E-30320

| Week | Temperature | | pH | | Chloride | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Degrees Fahrenheit | Date | Standard Units | Date | Cl concentration (mg/l) | Date Sample Collected | Date Sampl Analysed | | |
| 1 | 60.00 | 03/03/2024 | 7.42 | 03/03/2024 | 520.0 | 03/03/2024 | 03/03/2024 | | |
| 2 | 57.50 | 03/10/2024 | 7.42 | 03/10/2024 | 486.0 | 03/10/2024 | 03/10/2024 | | |
| 3 | 59.00 | 03/17/2024 | 7.45 | 03/17/2024 | 541.0 | 03/17/2024 | 03/17/2024 | | |
| 4 | 58.90 | 03/24/2024 | 7.29 | 03/24/2024 | 478.0 | 03/24/2024 | 03/24/2024 | | |
| 5 | 60.00 | 03/31/2024 | 7.55 | 03/31/2024 | 546.0 | 03/31/2024 | 03/31/2024 | | |

## No monthly injectate samples required.

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# Quarterly Injectate Samples

**Quarter** 1
**Date Sample Collected** 02/19/2024
**Kansas Lab Certificate Number** E-10116
**Lab Name** Pace Analytical-Lenexa

*These samples shall be representative of injection activity and shall therefore be collected on days of injection.*

| Constituent | Value | Units |
|---|---|---|
| Calcium | 102.000 | mg/l |
| Iron | <0.050 | mg/l |
| Magnesium | 12.200 | mg/l |
| Sulfate | 112.000 | mg/l |
| Total Alkalinity as CaCO3 | 322.000 | mg/l |
| Total Dissolved Solids | 1,160.000 | mg/l |
| Total Hardness as CaCO3 | 306.000 | mg/l |
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