**Facility Well Name** Oxy #10 **UIC Permit #** KS-01-173-010 **Month** December **Year** 2019

**Submitted** 02/03/2020 **Approved** 02/04/2020 **KOLAR Document ID** 1493756

# 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 130 | | 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** | 7,997 | 5.41 | 171 | 173 | -27.4 | -14.2 | |
| **Monthly Maximum** | 9,549 | 7.52 | 186 | 184 | -24.0 | -13.0 | |
| **Monthly Minimum** | 7,035 | 3.52 | 160 | 162 | -29.0 | -15.0 | |
| **Monthly Total** | 247,900 | | | | | | |

## Summary of Continuous Recorder Data

| Maximum Annulus Pressure psig | Minimum Annulus Pressure psig | Maximum Injection Pressure psig | Minimum Injection Pressure psig |
|---|---|---|---|
| 197.30 | 132.00 | -3.70 | -14.80 |

**Comments:**

Annual interlock tests were performed on 12/03/2019.

Oxy #10 12/2019

# 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 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:52 | 7,786.12 | 5.40 | 172 | 176.0 | -28 | -14.0 | 22 | | | AB | | |
| 2 | 07:00 | 7,755.50 | 5.40 | 173 | 178.0 | -28 | -15.0 | 21 | | | BJ | | |
| 3 | 06:56 | 7,547.88 | 3.52 | 175 | 179.0 | -28 | -14.0 | 22 | | | BJ | | |
| 4 | 06:52 | 7,666.81 | 5.43 | 178 | 180.0 | -26 | -14.0 | 25 | | | AB | | |
| 5 | 06:55 | 7,335.81 | 5.38 | 181 | 184.0 | -28 | -14.0 | 25 | | | AB | | |
| 6 | 07:02 | 7,035.17 | 4.81 | 180 | 182.0 | -26 | -14.0 | 25 | | | HM | | |
| 7 | 06:50 | 7,862.00 | 5.43 | 186 | 184.0 | -27 | -14.0 | 25 | | | HM | | |
| 8 | 07:08 | 7,831.02 | 5.38 | 172 | 170.0 | -27 | -14.0 | 25 | | | HM | | |
| 9 | 06:58 | 7,779.07 | 5.38 | 163 | 163.0 | -28 | -14.0 | 25 | | | AB | | |
| 10 | 06:50 | 7,790.48 | 5.40 | 171 | 174.0 | -28 | -14.0 | 21 | | | RW | | |
| 11 | 07:10 | 7,849.60 | 5.43 | 172 | 175.0 | -29 | -14.0 | 25 | | | HM | | |
| 12 | 06:55 | 9,548.83 | 7.52 | 174 | 176.0 | -24 | -13.0 | 23 | | | HM | | |
| 13 | 06:53 | 8,594.50 | 6.00 | 176 | 178.0 | -29 | -14.0 | 25 | | | HM | | |
| 14 | 06:50 | 8,685.52 | 6.02 | 172 | 175.0 | -29 | -14.0 | 23 | | | DT | | |
| 15 | 06:50 | 8,678.76 | 5.98 | 176 | 177.0 | -27 | -14.0 | 21 | | | LP | | |
| 16 | 07:01 | 8,690.50 | 5.02 | 176 | 178.0 | -27 | -14.0 | 20 | | | HM | | |
| 17 | 06:58 | 8,679.55 | 5.83 | 180 | 181.0 | -27 | -14.0 | 20 | | | BJ | | |
| 18 | 07:00 | 7,522.81 | 5.00 | 182 | 183.0 | -27 | -14.0 | 21 | | | HM | | |
| 19 | 06:57 | 8,043.69 | 5.45 | 176 | 178.0 | -27 | -14.0 | 21 | | | HM | | |
| 20 | 06:56 | 8,514.05 | 6.38 | 170 | 173.0 | -28 | -14.0 | 22 | | | BJ | | |
| 21 | 07:10 | 7,209.05 | 3.67 | 167 | 167.0 | -28 | -15.0 | 22 | | | BJ | | |
| 22 | 07:00 | 7,188.95 | 4.81 | 163 | 168.0 | -28 | -15.0 | 22 | | | BJ | | |
| 23 | 07:08 | 7,733.55 | 5.00 | 168 | 167.0 | -28 | -14.0 | 22 | | | LP | | |
| 24 | 07:08 | 7,872.07 | 5.48 | 166 | 168.0 | -27 | -14.0 | 22 | | | BJ | | |
| 25 | 07:09 | 7,633.29 | 5.43 | 164 | 167.0 | -27 | -14.0 | 23 | | | DT | | |
| 26 | 06:50 | 7,250.98 | 4.71 | 160 | 162.0 | -27 | -14.0 | 22 | | | DT | | |
| 27 | 06:50 | 7,617.88 | 5.43 | 162 | 163.0 | -28 | -15.0 | 22 | | | JR | | |
| 28 | 06:45 | 8,226.83 | 5.33 | 170 | 171.0 | -25 | -14.0 | 24 | | | AB | | |
| 29 | 06:50 | 8,546.26 | 5.88 | 164 | 163.0 | -28 | -14.0 | 24 | | | JR | | |
| 30 | 06:53 | 8,464.55 | 5.95 | 163 | 165.0 | -28 | -15.0 | 22 | | | BJ | | |
| 31 | 06:59 | 8,959.36 | 5.95 | 161 | 165.0 | -28 | -15.0 | 22 | | | BJ | | |