**Facility Well Name** Oxy #11 **UIC Permit #** KS-01-173-011 **Month** February **Year** 2020

**Submitted** 03/25/2020 **Approved** 03/26/2020 **KOLAR Document ID** 1511048

# Class I-V Injection Well Monthly Monitoring

## Summary of Monthly Report

**Number of days injection occurred:** 29

**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** | 9,817 | 6.88 | 168 | 169 | -10.8 | -10.7 | |
| **Monthly Maximum** | 13,952 | 9.76 | 178 | 180 | -5.0 | -4.0 | |
| **Monthly Minimum** | 6,922 | 4.17 | 153 | 154 | -14.0 | -15.0 | |
| **Monthly Total** | 284,698 | | | | | | |

## Summary of Continuous Recorder Data

| Maximum Annulus Pressure psig | Minimum Annulus Pressure psig | Maximum Injection Pressure psig | Minimum Injection Pressure psig |
|---|---|---|---|
| 250.00 | -62.50 | 16.10 | -15.10 |

**Comments:**

Quarterly instrument checks were performed on this well on 02/18/2020 resulting in artificial annulus pressure and wellhead pressure readings.

Oxy #11 02/2020

# 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 | 07:00 | 7,446.02 | 5.21 | 170 | 173.0 | -13 | -14.0 | 26 | | | RW | | |
| 2 | 07:00 | 7,696.21 | 4.98 | 170 | 173.0 | -14 | -14.0 | 27 | | | BH | | |
| 3 | 07:05 | 8,727.64 | 6.52 | 171 | 174.0 | -9 | -9.0 | 28 | | | BJ | | |
| 4 | 06:50 | 8,307.57 | 5.26 | 175 | 176.0 | -13 | -15.0 | 25 | | | BJ | | |
| 5 | 06:55 | 7,811.64 | 6.24 | 171 | 174.0 | -13 | -13.0 | 25 | | | BJ | | |
| 6 | 07:00 | 7,346.14 | 6.98 | 163 | 165.0 | -5 | -6.0 | 24 | | | BJ | | |
| 7 | 07:12 | 8,434.76 | 5.79 | 164 | 164.0 | -9 | -10.0 | 25 | | | DT | | |
| 8 | 07:10 | 9,750.76 | 6.83 | 162 | 163.0 | -8 | -9.0 | 26 | | | BJ | | |
| 9 | 06:50 | 10,364.40 | 7.14 | 162 | 163.0 | -5 | -6.0 | 27 | | | DT | | |
| 10 | 07:00 | 10,745.43 | 7.48 | 165 | 169.0 | -7 | -7.0 | 24 | | | RW | | |
| 11 | 07:05 | 11,167.74 | 7.36 | 170 | 169.0 | -6 | -7.0 | 27 | | | JC | | |
| 12 | 06:56 | 11,723.69 | 8.24 | 168 | 168.0 | -13 | -14.0 | 27 | | | HM | | |
| 13 | 07:05 | 11,180.12 | 7.69 | 160 | 160.0 | -13 | -13.0 | 26 | | | JC | | |
| 14 | 07:07 | 10,289.67 | 7.21 | 176 | 174.0 | -7 | -9.0 | 25 | | | BH | | |
| 15 | 06:50 | 8,656.10 | 6.57 | 174 | 175.0 | -5 | -5.0 | 25 | | | HM | | |
| 16 | 07:10 | 7,856.98 | 5.43 | 173 | 175.0 | -11 | -13.0 | 25 | | | BJ | | |
| 17 | 07:55 | 9,284.98 | 6.52 | 178 | 178.0 | -14 | -8.0 | 27 | | | RW | | |
| 18 | 06:55 | 7,319.62 | 6.17 | 174 | 176.0 | -13 | -6.0 | 26 | | | RW | | |
| 19 | 07:00 | 11,569.48 | 8.10 | 173 | 177.0 | -14 | -13.0 | 26 | | | RW | | |
| 20 | 07:03 | 11,485.33 | 8.05 | 175 | 177.0 | -14 | -14.0 | 26 | | | BJ | | |
| 21 | 07:04 | 6,922.02 | 4.62 | 178 | 180.0 | -14 | -14.0 | 25 | | | DT | | |
| 22 | 06:50 | 9,306.24 | 6.24 | 168 | 168.0 | -14 | -13.0 | 25 | | | DT | | |
| 23 | 07:00 | 7,507.02 | 5.60 | 170 | 172.0 | -14 | -13.0 | 28 | | | DT | | |
| 24 | 07:08 | 9,109.12 | 4.17 | 160 | 160.0 | -13 | -13.0 | 26 | | | HM | | |
| 25 | 07:05 | 12,571.43 | 8.24 | 166 | 165.0 | -13 | -13.0 | 28 | | | HM | | |
| 26 | 07:10 | 13,813.40 | 9.62 | 160 | 162.0 | -13 | -13.0 | 27 | | | HM | | |
| 27 | 06:53 | 13,951.69 | 9.76 | 164 | 162.0 | -14 | -13.0 | 27 | | | HM | | |
| 28 | 06:50 | 12,941.86 | 9.43 | 157 | 158.0 | -8 | -8.0 | 26 | | | BJ | | |
| 29 | 07:04 | 11,411.05 | 8.21 | 153 | 154.0 | -5 | -4.0 | 26 | | | BJ | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |