Facility Well Name Oxy #9 **UIC Permit #** KS-01-173-008 **Month** November **Year** 2019

Submitted 12/23/2019 **Approved** 12/24/2019 **KOLAR Document ID** 1486273

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 17

Barrels per Day Maximum: 20,571

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 130 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	4,619	5.81	163	165	-12.6	-12.6	28
Monthly Maximum	12,993	7.52	172	171	-10.0	-11.0	28
Monthly Minimum	0	4.76	151	155	-14.0	-14.0	28
Monthly Total	138,574						28

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
201.70	-49.90	38.70	-26.20

Comments:

Quarterly instrument checks were conducted on DW No. 9 on 11/11/2019 resulting in artificial wellhead and annulus pressure readings. DW No. 9 was down from 11/11/2019 to 11/25/2019 for a CIL and workover (i.e. injection string and packer replaced).

Oxy #9 11/2019

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		
1	03:06	7,041.29	4.81	168	167.0	-13	-13.0	10			HM		
2	07:07	7,596.55	5.76	172	170.0	-13	-13.0	13			HM		
3	06:50	7,046.10	5.14	164	165.0	-12	-12.0	13			HM		
4	06:58	11,938.29	6.02	168	168.0	-13	-13.0	12	Annulus Oil	28	AJB		
5	06:56	12,993.02	7.21	156	155.0	-13	-13.0	27			AB		
6	07:00	10,460.29	6.83	165	166.0	-13	-14.0	28			AB		
7	07:00	9,878.43	7.52	160	162.0	-12	-13.0	25			HM		
8	07:01	8,227.64	6.14	170	171.0	-13	-13.0	25			DJ		
9	06:50	7,344.33	5.00	164	166.0	-13	-12.0	24			DJ		
10	06:50	8,558.05	6.48	160	163.0	-13	-13.0	24			DJ		
11	06:53	5,357.93	6.10	170	170.0	-11	-12.0	23			HM		
12	06:51	0.00						24			SL		
13	06:50	0.00						24			HM		
14	07:08	0.00									HM		
15	07:07	0.00									BJ		
16	06:53	0.00									BJ		
17	07:02	0.00									BJ		
18	07:08	0.00									DJ		
19	07:02	0.00									DJ		
20	07:06	0.00									DJ		
21	06:50	0.00									DJ		
22	06:59	0.00									HM		
23	06:55	0.00									HM		
24	07:10	0.00									HM		
25	06:55	3,521.43									AJB		
26	07:04	6,196.05	5.21	153	158.0	-12	-12.0	23			AJB		
27	06:55	6,514.33	4.86	162	167.0	-10	-11.0	21			BJ		
28	06:56	8,019.00	4.76	151	155.0	-13	-13.0	21			BJ		
29	06:55	8,336.62	5.74	162	164.0	-14	-13.0	21			AJB		
30	06:50	9,544.95	5.31	168	165.0	-13	-12.0	23			AJB		
31													