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

Submitted 04/24/2019 **Approved** 05/03/2019 **KOLAR Document ID** 1458379

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	7,877	5.45	163	164	-12.9	-12.9	32
Monthly Maximum	10,705	7.90	180	179	-12.0	-11.0	44
Monthly Minimum	6,146	3.19	152	154	-14.0	-14.0	20
Monthly Total	244,200						64

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig

Comments:

On 03/31/2019, a valve on the DW No. 9 annulus system developed a leak and had to be replaced; following the valve replacement job, approximately 44 gallons of annulus oil was added to the DW No. 9 seal pot

Oxy #9 03/2019

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	07:10	6,749.95	4.26	162	161.0	-13	-13.0	14					
2	06:55	6,812.02	5.79	153	157.0	-13	-13.0	13			HM		
3	06:57	6,733.98	4.90	180	179.0	-13	-14.0	13			HM		
4	06:50	8,455.43	4.86	176	177.0	-13	-13.0	15			AJB		
5	06:52	9,627.62	7.90	174	176.0	-13	-14.0	12			AJB		
6	06:51	8,449.71	5.29	164	166.0	-13	-13.0	13			AJB		
7	06:57	7,376.29	6.05	168	168.0	-13	-13.0	13			AJB		
8	07:05	7,048.45	4.86	159	163.0	-13	-13.0	13			TGZ		
9	06:50	7,641.90	5.07	166	169.0	-14	-14.0	14			TGZ		
10	07:10	8,176.40	6.07	153	155.0	-13	-13.0	14			TGZ		
11	06:53	7,121.26	4.26	166	167.0	-13	-11.0	12			HM		
12	06:54	7,766.26	3.19	166	168.0	-12	-13.0	13			HM		
13	06:50	8,230.19	6.86	169	168.0	-12	-12.0	13			HM		
14	07:00	10,247.62	6.83	166	164.0	-12	-12.0	13			HM		
15	07:05	8,566.71	5.86	170	169.0	-13	-13.0	14	Diesel	20	LP		
16	07:08	6,603.10	4.67	172	171.0	-13	-13.0	22			LP		
17	06:53	6,680.12	4.83	152	155.0	-13	-12.0	21			LP		
18	07:10	6,507.74	4.98	157	157.0	-13	-13.0	21			TGZ		
19	07:31	7,098.81	4.05	155	157.0	-13	-13.0	21			TGZ		
20	07:10	6,145.76	5.29	158	160.0	-13	-13.0	21			TGZ		
21	07:10	7,217.67	5.86	156	158.0	-13	-13.0	21			TGZ		
22	06:51	7,939.17	5.98	156	160.0	-13	-13.0	17			BJ		
23	06:52	9,715.40	5.07	160	160.0	-13	-13.0	18			BJ		
24	06:50	9,200.14	6.14	152	154.0	-13	-13.0	17			BJ		
25	06:55	9,548.95	6.88	160	160.0	-13	-13.0	17			LP		
26	07:02	10,704.81	6.79	160	158.0	-13	-13.0	18			LP		
27	07:04	8,366.38	5.00	155	154.0	-13	-13.0	17			LP		
28	07:05	8,353.95	5.31	155	156.0	-13	-13.0	16			LP		
29	07:08	7,417.36	5.64	170	169.0	-13	-12.0	14			AJB		
30	06:57	7,345.50	5.26	170	172.0	-13	-13.0	12			AJB		
31	07:10	6,351.07	5.05	178	177.0	-13	-12.0	12	Diesel	44	AJB		