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

Submitted 12/04/2019 **Approved** 12/20/2019 **KOLAR Document ID** 1484535

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	2,515	6.10	165	167	-12.5	-12.3	
Monthly Maximum	5,766	13.64	186	185	-5.0	-8.0	
Monthly Minimum	974	1.62	150	151	-14.0	-14.0	
Monthly Total	77,955						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
200.70	149.70	-2.60	-14.10

Comments:

Annulus oil was not added to the DW No. 9 seal pot in October 2019. KDHE granted a one week extension on the report submittal deadline.

Oxy #9 10/2019

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	07:01	2,549.24	6.24	160	162.0	-13	-12.0	29			ABJ		
2	07:06	2,110.93	6.07	174	173.0	-13	-12.0	27			ABJ		
3	06:50	3,259.62	9.07	162	164.0	-5	-8.0	26			ABJ		
4	07:03	2,535.86	6.05	170	168.0	-13	-13.0	25			SL		
5	07:00	1,869.05	1.62	170	169.0	-12	-11.0	27			SL		
6	07:03	2,695.90	4.64	170	172.0	-12	-12.0	26			SL		
7	08:01	2,897.24	8.19	170	172.0	-14	-13.0	27			HM		
8	07:00	2,520.81	5.64	172	170.0	-13	-13.0	25			HM		
9	07:08	3,255.43	7.67	164	169.0	-13	-13.0	25			HM		
10	07:05	5,766.48	13.64	186	185.0	-13	-12.0	27			HM		
11	07:03	2,715.12	5.95	170	172.0	-13	-13.0	21			BJ		
12	07:05	2,962.81	7.64	162	166.0	-13	-13.0	20			BJ		
13	07:06	2,684.12	6.60	150	151.0	-13	-13.0	21			BJ		
14	07:00	2,011.90	4.86	160	162.0	-13	-12.0	20			DT		
15	07:10	2,226.12	4.76	164	165.0	-13	-13.0	20			DT		
16	06:50	2,949.29	9.19	162	164.0	-9	-8.0	19			DT		
17	07:10	1,606.33	5.14	154	155.0	-13	-12.0	19			DT		
18	07:02	2,171.07	2.60	158	159.0	-12	-11.0	24			HM		
19	06:52	2,351.69	4.88	158	158.0	-12	-12.0	18			HM		
20	06:50	1,982.48	5.00	166	166.0	-13	-12.0	17			HM		
21	06:51	2,234.98	6.88	160	160.0	-12	-13.0	17			BJ		
22	07:01	1,933.95	4.36	165	167.0	-13	-13.0	16			BJ		
23	06:55	1,956.40	2.95	165	167.0	-12	-13.0	16			BJ		
24	06:58	2,348.02	7.19	166	167.0	-13	-13.0	17			BJ		
25	06:50	2,132.24	5.21	164	168.0	-13	-13.0	14			AJB		
26	07:10	974.12	6.19	166	166.0	-13	-12.0	14			AJB		
27	07:24	2,775.52	6.26	168	170.0	-13	-13.0	15			AJB		
28	06:50	2,528.71	6.17	160	165.0	-13	-13.0	13			BJ		
29	06:57	2,504.19	5.52	169	173.0	-13	-12.0	19			BJ		
30	06:51	2,250.38	5.14	170	174.0	-14	-14.0	13			BJ		
31	06:55	3,195.26	7.90	162	167.0	-14	-14.0	14			BJ		