Facility Well Name Hutch #2 **UIC Permit #** KS-01-155-009 **Month** June **Year** 2019

Submitted 07/09/2019 **Approved** 08/15/2019 **KOLAR Document ID** 1465267

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

Barrels per Day Maximum: 54,762

			Annulus Pressure psig min 60		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	22,190	15.18	134	132	-27.8	-24.1	0
Monthly Maximum	29,071	20.86	145	139	-22.0	27.5	0
Monthly Minimum	4,024	0.00	130	128	-28.0	-27.7	0
Monthly Total	665,690						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
142.38	122.51	-14.39	-28.77

Comments:

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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	10:00	23,190.48	17.17	131	130.9	-28	-26.5	15		0	MP		
2	12:45	25,285.71	13.74	135	134.1	-28	-26.9	15		0	MP		
3	08:41	18,666.67	14.26	135	128.2	-28	-26.7	15		0	RLT		
4	11:29	25,190.48	17.17	137	135.3	-28	-26.2	15		0	JWH		
5	08:28	20,785.71	14.74	132	129.3	-28	-26.4	15		0	JWH		
6	08:50	28,500.00	20.86	132	129.3	-22	-19.0	15		0	RLT		
7	14:14	29,071.43	17.43	140	136.4	-28	-26.1	15		0	RLT		
8	12:10	15,047.62	13.36	140	135.7	-28	-26.6	15		0	RT		
9	16:15	16,166.67	4.86	135	129.9	-28	27.5	15		0	RT		
10	09:30	4,023.81	1.52	135	129.2	-28	-27.7	15		0	RLT		
11	15:16	17,333.33	20.38	135	133.6	-28	-25.6	15		0	RLT		
12	14:45	19,928.57	14.86	132	131.7	-28	-26.8	15		0	MP		
13	09:40	18,761.90	14.55	133	130.3	-28	-26.5	15		0	MP		
14	10:05	25,142.86	16.79	130	129.3	-28	-26.4	15		0	RT		
15	09:15	24,261.90	18.21	131	129.3	-28	-25.8	15		0	JWH		
16	08:10	22,404.76	10.52	130	128.0	-28	-26.4	16		0	JWH		
17	08:15	20,880.95	14.26	133	129.8	-28	-25.7	15		0	RLT		
18	09:31	25,690.48	18.02	130	130.0	-28	-25.4	15		0	RLT		
19	09:15	24,166.67	20.48	130	128.3	-28	-26.3	15		0	RT		
20	10:30	23,285.71	16.45	135	134.6	-28	-26.3	15		0	RT		
21	09:30	22,261.90	16.43	135	132.5	-28	-26.2	15		0	RT		
22	08:01	21,547.62	18.48	130	128.9	-28	-26.0	15		0	CM		
23	08:00	17,357.14	0.00	130	128.5	-28	-26.9	15		0	CM		
24	08:42	20,380.95	19.52	130	128.9	-28	-26.0	15		0	JWH		
25	08:22	23,523.81	16.76	131	130.7	-28	-26.3	15		0	JWH		
26	10:13	26,119.05	16.76	137	135.3	-28	-19.5	15		0	JWH		
27	08:29	24,190.48	18.88	132	132.4	-28	-26.0	15		0	JWH		
28	09:24	27,238.10	15.81	135	134.5	-28	-26.4	15		0	CM		
29	13:35	27,000.00	17.43	145	138.8	-28	-26.3	15		0	RT		
30	12:10	28,285.71	15.64	145	138.3	-28	-26.7	15		0	RT		
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Weekly Injectate Samples

Kansas Lab Certificate Number E-60649

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	66.00	06/03/2019	7.40	06/03/2019	540.0	06/03/2019	06/03/2019		
2	64.00	06/10/2019	7.50	06/10/2019	510.0	06/10/2019	06/10/2019		
3	64.80	06/17/2019	7.00	06/17/2019	540.0	06/17/2019	06/17/2019		
4	64.20	06/24/2019	7.40	06/24/2019	650.0	06/24/2019	06/24/2019		
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No monthly injectate samples required.