Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** March **Year** 2023

Submitted 04/03/2023 **Approved** 04/13/2023 **KOLAR Document ID** 1707563

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 4,762

			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	955	0.85	156	146	-3.9	-2.2	
Monthly Maximum	1,762	3.95	190	181	4.0	-0.2	
Monthly Minimum	405	0.00	140	128	-24.0	-7.7	
Monthly Total	29,619						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
181	128	-0.2	-7.7

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	08:18	523.81	0.00	150	142.0	4	-1.6	30			DW		
2	08:37	690.48	0.00	150	138.0	4	-1.4	30			TL		
3	08:18	880.95	0.00	140	131.0	4	-1.3	30			DW		
4	07:13	833.33	3.50	140	128.0	-16	-7.7	30			RV		
5	06:59	1,595.24	3.50	140	129.0	-16	-7.7	30			RV		
6	08:29	809.52	0.00	160	147.0	4	-1.4	30			TL		
7	08:38	404.76	0.00	160	150.0	4	-1.3	30			DW		
8	08:27	714.29	0.00	160	152.0	4	-1.5	30			TL		
9	08:33	833.33	0.00	150	139.0	0	-0.4	30			DW		
10	08:09	952.38	3.95	140	129.0	-24	-7.7	30			TL		
11	07:04	1,000.00	0.00	170	164.0	0	-0.3	31			JS		
12	07:06	833.33		180	170.0	0	-0.4	30			JS		
13	08:32	880.95	0.00	190	181.0	0	-0.3	30			TL		
14	08:37	1,000.00	0.00	170	162.0	0	-0.3	30			TL		
15	08:33	833.33	0.00	170	156.0	-2	-0.2	30			TL		
16	08:47	571.43	0.00	160	150.0	0	-0.6	30			TL		
17	08:23	595.24	0.00	150	144.0	0	-0.4	30			TL		
18	08:30	857.14	3.64	140	132.0	-20	-7.7	31			TL		
19	08:37	1,142.86	3.64	150	132.0	-24	-7.7	32			TL		
20	08:40	1,119.05	0.00	160	148.0	0	-0.4	30			DW		
21	08:10	857.14	0.00	160	152.0	0	-0.4	31			TL		
22	08:33	1,476.19	3.45	150	131.0	-24	-7.7	30			DW		
23	08:27	928.57	0.00	160	149.0	0	-0.4	31			TL		
24	08:08	666.67	0.00	160	151.0	2	-0.4	31			TL		
25	08:55	714.29	0.00	160	153.0	0	-0.4	31			SH		
26	09:43	1,523.81	0.00	160	144.0	0	-0.4	31			SH		
27	08:36	833.33	0.00	160	152.0	0	-0.5	30			DW		
28	08:04	785.71	0.00	160	152.0	2	-0.5	30			TL		
29	08:33	1,714.29	0.00	150	145.0	0	-0.5	31			TL		
30	08:17	1,285.71	3.88	140	132.0	-22	-7.7	31			TL		
31	08:24	1,761.90	0.00	150	143.0	0	-0.3	31			DW		

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Weekly Injectate Samples

Kansas Lab Certificate Number

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	58.64	03/07/2023	8.16	03/07/2023	N/A				
2	55.58	03/14/2023	8.00	03/14/2023	N/A				
3	57.56	03/21/2023	8.11	03/21/2023	N/A				
4	56.84	03/28/2023	8.07	03/28/2023	N/A				
5					N/A				

No monthly injectate samples required.