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

Submitted 05/02/2023 **Approved** 05/03/2023 **KOLAR Document ID** 1711921

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	1,704	2.41	155	144	-12.6	-5.2	
Monthly Maximum	2,452	4.21	190	181	4.0	-0.3	
Monthly Minimum	500	0.00	140	130	-26.0	-7.7	
Monthly Total	51,119						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
181	130	-0.33	-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	08:39	2,166.67	3.90	150	142.0	-18	-7.7	31			MM		
2	08:47	2,285.71	3.90	150	136.0	-18	-7.7	31			MM		
3	08:07	1,642.86	3.90	150	139.0	-18	-7.7	32			TL		
4	08:38	1,333.33	0.00	160	143.0	2	-1.0	32			DW		
5	08:28	738.10	0.00	150	141.0	2	-1.0	32			DW		
6	08:11	1,595.24	3.57	150	135.0	-22	-7.7	32			TL		
7	08:32	880.95	0.00	160	153.0	2	-0.9	31			DW		
8	08:12	1,238.10	3.57	150	151.0	-18	-7.7	32			JC		
9	08:25	1,928.57	0.00	150	140.0	2	-0.6	31			JC		
10	08:30	2,238.10	2.90	160	150.0	-20	-7.7	31			DW		
11	08:16	1,452.38	0.00	160	150.0	2	-0.7	31			TL		
12	08:41	1,928.57	4.21	150	135.0	-20	-7.7	31			DW		
13	08:05	2,261.90	4.02	150	134.0	-20	-7.7	32			TL		
14	08:30	1,714.29	4.05	150	136.0	-20	-7.7	31			DW		
15	08:53	2,452.38	0.00	160	145.0	4	-1.0	31			DW		
16	08:12	2,214.29	4.05	150	140.0	-20	-7.7	31			DW		
17	08:31	2,023.81	4.05	150	137.0	-18	-7.7	31			DW		
18	08:20	2,047.62	4.00	150	137.0	-20	-7.7	32			TL		
19	08:34	2,428.57	3.71	150	136.0	-20	-7.7	31			DW		
20	08:16	2,309.52	0.00	160	143.0	3	-1.0	31			TL		
21	08:34	2,142.86	3.69	140	130.0	-26	-7.7	31			DW		
22	08:04	2,000.00	3.69	140	131.0	-24	-7.7	31			DW		
23	07:27	2,047.62	3.69	150	133.0	-24	-7.7	31			RV		
24	08:23	1,619.05	3.69	140	131.0	-24	-7.7	31			DW		
25	08:02	1,214.29	4.02	140	130.0	-24	-7.7	31			TL		
26	08:36	666.67	3.64	160	148.0	-24	-7.7	31			DW		
27	08:39	500.00	0.00	160	159.0	2	-0.8	31			DW		
28	08:07	2,023.81	0.00	190	178.0	2	-0.8	32			TL		
29	07:06	809.52	0.00	180	176.0	0	-0.3	30			JS		
30	07:02	1,214.29	0.00	190	181.0	0	-0.3	31			JS		
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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	62.06	04/03/2023	7.77	04/03/2023	N/A				
2	60.44	04/11/2023	8.08	04/11/2023	N/A				
3	61.16	04/18/2023	7.89	04/18/2023	N/A				
4	46.56	04/25/2023	8.09	04/25/2023	N/A				
5					N/A				

No monthly injectate samples required.