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

Submitted 11/01/2023 **Approved** 11/21/2023 **KOLAR Document ID** 1735513

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	1,313	2.37	146	134	-9.5	-5.1	
Monthly Maximum	2,000	4.71	160	147	4.0	-1.1	
Monthly Minimum	714	0.00	140	127	-22.0	-7.7	
Monthly Total	40,714						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
147	127	-1.23	-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	07:49	2,000.00	4.31	140	127.0	-22	-7.7	32			TL		
2	07:58	1,309.52	4.36	140	127.0	-22	-7.7	32			TL		
3	08:23	1,642.86	0.00	150	134.0	2	-1.2	32			TL		
4	08:36	809.52	4.48	150	138.0	-20	-7.7	32			DW		
5	08:31	1,619.05	4.33	140	130.0	-20	-7.7	32			DW		
6	08:34	1,261.90	4.45	140	130.0	-20	-7.7	32			DW		
7	08:09	976.19	4.45	150	132.0	-18	-7.7	32			SH		
8	08:38	1,666.67	0.00	150	138.0	2	-1.9	32			SH		
9	08:33	1,380.95	4.38	140	128.0	-20	-7.7	32			DW		
10	08:20	1,547.62	0.00	150	139.0	2	-1.7	32			DW		
11	08:24	1,214.29	3.31	140	131.0	-20	-7.7	32			DW		
12	08:22	1,547.62	0.00	150	137.0	2	-1.4	32			DW		
13	08:30	1,000.00	3.62	140	132.0	-20	-7.7	32			DW		
14	09:20	1,500.00	0.00	150	140.0	2	-2.2	32			DW		
15	08:08	809.52	0.00	150	145.0	2	-2.3	32			DW		
16	07:46	1,571.43	4.43	140	131.0	-20	-7.7	32			DW		
17	07:41	1,404.76	4.40	140	129.0	-18	-7.7	32			DW		
18	07:38	1,119.05	3.62	140	129.0	-20	-7.7	32			DW		
19	07:34	1,809.52	0.00	150	142.0	2	-1.8	32			DW		
20	07:34	1,690.48	4.71	140	130.0	-18	-7.7	32			DW		
21	07:13	857.14	0.00	150	138.0	2	-1.5	32			JC		
22	07:52	1,809.52	0.00	150	135.0	2	-1.6	32			JC		
23	08:20	1,166.67	4.64	140	129.0	-18	-7.7	32			DW		
24	08:41	1,619.05	0.00	150	139.0	2	-1.1	32			DW		
25	08:20	1,428.57	4.71	140	130.0	-18	-7.7	32			DW		
26	08:29	1,761.90	0.00	150	137.0	2	-1.5	32			DW		
27	08:26	1,166.67	4.57	150	134.0	-18	-7.7	32			DW		
28	08:40	738.10	0.00	160	147.0	4	-2.7	32			MM		
29	08:40	714.29	4.62	150	134.0	-16	-7.7	32			MM		
30	08:45	738.10	0.00	150	139.0	4	-2.9	31			DW		
31	08:30	833.33	0.00	150	134.0	4	-2.7	31			DW		

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Weekly Injectate Samples

Kansas Lab Certificate Number E-10150

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	65.12	10/03/2023	8.06	10/03/2023	N/A				
2	63.14	10/10/2023	8.10	10/10/2023	N/A				
3	57.02	10/17/2023	7.70	10/17/2023	N/A				
4	64.58	10/24/2023	8.16	10/24/2023	N/A				
5	60.08	10/31/2023	8.13	10/31/2023	N/A				

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 4
Date Sample Collected 10/17/2023
Kansas Lab Certificate Number E-10150
Lab Name Servi-Tech Lab

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Calcium	529.000	mg/l
Chloride	332.000	mg/l
Conductivity	4.490	Mmhos
Gross Alpha	3.000	pCi/l
Magnesium	297.000	mg/l
Selenium	0.035	mg/l
Sodium	540.000	mg/l
Sulfate	720.000	mg/l
Total Alkalinity as CaCO3	220.000	mg/l
Total Dissolved Solids	4,540.000	mg/l
Total Suspended Solids	26.000	mg/l
Uranium	150.000	mg/l