Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** June **Year** 2022

Submitted 07/01/2022 **Approved** 07/28/2022 **KOLAR Document ID** 1650900

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	1,989	2.25	148	135	-17.0	-6.9	
Monthly Maximum	3,048	2.67	180	168	4.0	-0.1	
Monthly Minimum	810	0.00	130	106	-20.0	-7.7	
Monthly Total	59,667						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
115.00	168.00	-8.00	-11.00

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	08:04	2,904.76	2.48	160	153.0	-18	-7.7	32			TL		
2	08:45	2,047.62	2.40	170	155.0	-18	-7.7	32			DW		
3	08:20	3,047.62	2.57	170	155.0	-18	-7.7	32			TL		
4	07:44	1,904.76	0.00	170	165.0	4	-0.2	32			MM		
5	08:36	1,095.24	0.00	170	160.0	3	-0.1	32			MM		
6	08:21	1,571.43	0.00	180	168.0	3	-0.2	32			TL		
7	08:50	809.52	2.45	170	157.0	-18	-7.7	32			DW		
8	08:33	1,285.71	2.52	170	161.0	-18	-7.7	32			TL		
9	08:35	1,000.00	2.50	170	157.0	-18	-7.7	32			DW		
10	08:27	2,000.00	2.45	160	147.0	-18	-7.7	32			TL		
11	08:01	1,619.05	2.43	150	140.0	-20	-7.7	32			DW		
12	08:32	1,857.14	1.74	150	133.0	-20	-7.7	32			DW		
13	08:28	1,690.48	2.33	140	127.0	-20	-7.7	32			TL		
14	08:50	1,571.43	2.64	140	122.0	-20	-7.7	32			DW		
15	08:34	1,714.29	2.52	130	106.0	-18	-7.7	32			TL		
16	08:23	2,452.38	2.55	140	125.0	-20	-7.7	32			DW		
17	06:28	2,428.57	2.48	130	117.0	-20	-7.7	32			TL		
18	07:06	1,833.33	2.52	130	119.0	-20	-7.7	32			JS		
19	07:02	2,428.57	2.57	130	113.0	-20	-7.7	32			JS		
20	08:36	2,476.19	2.57	140	125.0	-20	-7.7	32			DW		
21	08:49	2,476.19	2.55	130	115.0	-20	-7.7	32			TL		
22	08:50	2,476.19	2.57	130	117.0	-20	-7.7	32			DW		
23	08:28	2,047.62	2.52	130	115.0	-20	-7.7	32			TL		
24	08:15	2,595.24	2.62	130	115.0	-20	-7.7	32			TL		
25	06:05	1,952.38	2.64	140	128.0	-20	-7.7	32			RV		
26	07:09	2,142.86	2.55	140	131.0	-20	-7.7	32			RV		
27	08:40	1,500.00	2.43	150	133.0	-20	-7.7	32			TL		
28	08:54	1,738.10	2.67	140	136.0	-18	-7.7	32			DW		
29	08:32	2,476.19	2.55	140	130.0	-18	-7.7	32			TL		
30	08:49	2,523.81	2.64	140	132.0	-20	-7.7	32			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	68.72	06/07/2022	7.66	06/07/2022	N/A				
2	65.48	06/14/2022	7.96	06/14/2022	N/A				
3	64.04	06/21/2022	7.63	06/21/2022	N/A				
4	62.24	06/28/2022	7.54	06/28/2022	N/A				
5					N/A				

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 04/04/2022
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	575.000	mg/l
Chloride	380.000	mg/l
Conductivity	5.780	Mmhos
Gross Alpha	4.710	pCi/l
Magnesium	312.000	mg/l
Selenium		mg/l
Sodium	511.000	mg/l
Sulfate	2,700.000	mg/l
Total Alkalinity as CaCO3	830.000	mg/l
Total Dissolved Solids	5,200.000	mg/l
Total Suspended Solids	ND	mg/l
Uranium	0.000	mg/l