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

Submitted 02/01/2023 **Approved** 02/28/2023 **KOLAR Document ID** 1685411

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	938	0.73	141	129	-5.0	-1.6	
Monthly Maximum	1,476	3.95	150	145	2.0	-0.1	
Monthly Minimum	333	0.00	120	109	-30.0	-7.7	
Monthly Total	29,071						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
145.0	109.0	-0.08	-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	08:46	1,000.00	0.00	150	136.0	2	-0.8	31			MM		
2	08:40	1,071.43	0.00	150	134.0	2	-0.8	31			MM		
3	08:35	976.19	0.00	150	137.0	2	-0.5	31			DW		
4	08:19	952.38	0.00	150	134.0	2	-0.9	31			TL		
5	08:37	1,000.00	0.00	150	138.0	-2	-0.3	31			DW		
6	08:32	1,047.62	0.00	150	136.0	-2	-0.3	31			TL		
7	08:19	1,095.24	0.00	150	136.0	-2	-0.3	31			DW		
8	08:19	1,047.62	0.00	150	135.0	-2	-0.2	31			DW		
9	08:32	1,190.48	3.60	130	121.0	-24	-7.7	32			TL		
10	08:29	1,142.86	0.00	140	130.0	-2	-0.3	31			DW		
11	08:31	1,166.67	0.00	140	127.0	0	-0.3	31			TL		
12	08:36	380.95	0.00	140	129.0	0	-0.2	31			DW		
13	08:17	809.52	0.00	140	124.0	0	-0.4	31			TL		
14	06:54	809.52	3.50	130	112.0	-10	-0.5	31			RV		
15	07:09	1,095.24	3.67	130	118.0	-27	-7.7	31			RV		
16	08:11	1,476.19	0.00	140	131.0	-2	-0.3	31			TL		
17	08:33	785.71	0.00	140	132.0	0	-0.3	31			DW		
18	08:25	428.57	0.00	150	136.0	-2	-0.2	31			TL		
19	08:38	690.48	0.00	140	127.0	0	-0.4	31			DW		
20	08:17	904.76	3.95	120	112.0	-24	-7.7	30			TL		
21	06:59	857.14	3.93	130	115.0	-30	-7.7	30			JS		
22	07:17	1,000.00	3.95	120	109.0	-24	-7.7	30			JS		
23	08:18	1,047.62	0.00	130	116.0	-6	-0.1	30			TL		
24	08:33	857.14	0.00	140	136.0	-2	-0.3	30			DW		
25	08:45	619.05	0.00	140	133.0	0	-0.6	30			TL		
26	08:20	952.38	0.00	140	125.0	0	-0.4	30			DW		
27	08:22	1,309.52	0.00	140	129.0	-2	-0.4	30			JC		
28	08:29	1,047.62	0.00	150	137.0	0	-0.3	30			TL		
29	08:27	1,095.24	0.00	150	145.0	0	-0.7	30			TL		
30	08:13	333.33	0.00	150	137.0	0	-0.5	30			TL		
31	08:30	880.95	0.00	150	136.0	0	-0.4	30			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	58.46	01/03/2023	8.13	01/03/2023	N/A				
2	59.90	01/10/2023	8.11	01/10/2023	N/A				
3	59.00	01/17/2023	8.15	01/17/2023	N/A				
4	60.98	01/24/2023	8.07	01/24/2023	N/A				
5	56.84	01/31/2023	8.08	01/31/2023	N/A				

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 01/09/2023
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	551.000	mg/l
Chloride	370.000	mg/l
Conductivity	5.610	Mmhos
Gross Alpha	38.300	pCi/l
Magnesium	308.000	mg/l
Selenium	0.011	mg/l
Sodium	473.000	mg/l
Sulfate	2,100.000	mg/l
Total Alkalinity as CaCO3	810.000	mg/l
Total Dissolved Solids	4,020.000	mg/l
Total Suspended Solids	15.000	mg/l
Uranium	140.000	mg/l