Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** January **Year** 2024

Submitted 02/01/2024 **Approved** 02/01/2024 **KOLAR Document ID** 1750326

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	989	0.66	164	154	-1.4	-2.6	
Monthly Maximum	1,571	5.29	180	171	2.0	-1.0	
Monthly Minimum	476	0.00	150	134	-22.0	-7.7	
Monthly Total	30,667						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
171	134	-.098	-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	06:06	642.86	0.00	150	147.0	0	-1.3	30			JS		
2	08:12	1,119.05	5.21	160	149.0	-22	-7.7	30			DW		
3	08:05	1,071.43	0.00	160	149.0	0	-1.2	30			JG		
4	07:58	619.05	0.00	160	147.0	0	-1.1	30			DW		
5	08:09	476.19	0.00	150	144.0	0	-1.2	30			DW		
6	11:12	1,571.43	0.00	160	146.0	0	-1.3	30			JG		
7	12:16	1,000.00	0.00	160	152.0	0	-1.0	30			JG		
8	08:01	761.90	0.00	160	146.0	0	-1.4	30			DW		
9	08:42	904.76	5.29	160	148.0	-20	-7.7	30			DW		
10	08:07	1,023.81	0.00	170	155.0	2	-2.0	30			DW		
11	08:03	1,000.00	0.00	160	154.0	2	-2.1	30			DW		
12	08:07	976.19	0.00	160	153.0	2	-2.4	30			DW		
13	07:46	1,023.81	0.00	160	150.0	2	-3.1	30			SH		
14	07:06	1,119.05	0.00	160	152.0	2	-2.5	30			SH		
15	08:10	1,119.05	0.00	170	160.0	2	-2.3	30			DW		
16	08:10	1,023.81	5.26	160	153.0	-20	-7.7	30			DW		
17	08:03	1,119.05	0.00	170	155.0	2	-2.3	30			DW		
18	08:08	1,023.81	0.00	160	154.0	2	-2.1	30			DW		
19	08:09	880.95	0.00	170	156.0	2	-2.2	30			DW		
20	08:40	1,023.81	0.00	170	157.0	2	-2.2	29			MM		
21	08:37	1,095.24	0.00	170	160.0	2	-1.9	29			MM		
22	08:06	619.05	0.00	170	156.0	2	-1.9	29			DW		
23	08:12	1,190.48	0.00	170	160.0	2	-1.7	29			DW		
24	08:03	1,095.24	0.00	170	160.0	2	-1.7	29			DW		
25	08:13	714.29	4.60	150	134.0	-20	-7.7	29			DW		
26	08:22	1,500.00	0.00	170	161.0	2	-1.6	29			DW		
27	08:04	1,000.00	0.00	170	168.0	2	-1.8	29			JC		
28	07:46	1,047.62	0.00	170	166.0	2	-1.7	29			JC		
29	08:04	1,142.86	0.00	180	171.0	2	-1.3	29			DW		
30	07:58	880.95	0.00	170	152.0	2	-1.6	29			DW		
31	08:39	880.95	0.00	150	145.0	2	-1.6	29			JG		

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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	55.40	01/02/2024	8.20	01/02/2024	N/A				
2	57.74	01/09/2024	8.12	01/09/2024	N/A				
3	53.60	01/16/2024	8.19	01/16/2024	N/A				
4	57.02	01/23/2024	8.20	01/23/2024	N/A				
5	60.98	01/30/2024	8.12	01/30/2024	N/A				

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 01/16/2024
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	488.000	mg/l
Chloride	280.000	mg/l
Conductivity	4,790.000	Mmhos
Gross Alpha	55.900	pCi/l
Magnesium	263.000	mg/l
Selenium	0.027	mg/l
Sodium	520.000	mg/l
Sulfate	680.000	mg/l
Total Alkalinity as CaCO3	700.000	mg/l
Total Dissolved Solids	4,060.000	mg/l
Total Suspended Solids	ND	mg/l
Uranium	130.000	mg/l