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

Submitted 12/01/2022 **Approved** 12/05/2022 **KOLAR Document ID** 1675180

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

Barrels per Day Maximum: 4,762

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 60 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	904	1.01	145	133	-7.3	-3.0	
Monthly Maximum	1,738	3.31	170	158	4.0	-0.2	
Monthly Minimum	167	0.00	130	113	-28.0	-7.7	
Monthly Total	27,119						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
158.00	113.00	-0.20	-7.70

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	08:12	1,071.43	3.05	150	127.0	-18	-7.7	32			TL		
2	08:07	1,738.10	3.07	140	125.0	-22	-7.7	32			DW		
3	08:36	1,214.29	3.05	140	126.0	-22	-7.7	32			TL		
4	08:29	1,238.10	3.05	140	128.0	-22	-7.7	32			DW		
5	08:53	1,119.05	0.00	140	133.0	-1	-0.5	32			TL		
6	08:33	1,404.76	0.00	150	143.0	2	-0.7	32			TL		
7	08:20	809.52	0.00	150	143.0	2	-0.6	32			DW		
8	08:09	1,142.86	3.00	140	126.0	-22	-7.7	32			TL		
9	08:34	1,071.43	3.00	140	126.0	-22	-7.7	32			DW		
10	08:20	1,309.52	0.00	150	137.0	2	-0.8	32			TL		
11	08:24	642.86	0.00	150	143.0	2	-0.9	32			SH		
12	08:16	642.86	0.00	150	144.0	2	-0.9	32			SH		
13	08:22	1,309.52	0.00	150	130.0	2	-0.8	32			SH		
14	08:23	857.14	0.00	150	144.0	0	-0.9	32			TL		
15	08:28	619.05	0.00	160	144.0	0	-0.4	32			DW		
16	08:28	714.29	0.00	150	144.0	0	-0.3	32			TL		
17	08:17	714.29	3.31	140	124.0	-28	-7.7	32			DW		
18	08:18	500.00	0.00	160	144.0	4	-1.5	32			TL		
19	08:34	761.90	0.00	160	147.0	0	-0.4	31			MM		
20	08:37	690.48	0.00	150	141.0	-2	-0.3	31			MM		
21	08:32	714.29	0.00	170	158.0	0	-0.3	31			DW		
22	08:18	833.33	3.26	130	118.0	-26	-7.7	31			TL		
23	08:15	1,285.71	0.00	140	128.0	0	-0.3	31			DW		
24	09:03	642.86	0.00	140	129.0	0	-0.5	31			DW		
25	08:20	619.05	0.00	140	131.0	0	-0.4	31			DW		
26	08:20	690.48	2.79	130	113.0	-24	-7.7	31			DW		
27	08:37	1,190.48	0.00	130	120.0	0	-0.4	31			DW		
28	08:15	166.67	0.00	140	123.0	0	-0.2	31			TL		
29	08:37	642.86	0.00	140	126.0	0	-0.8	31			DW		
30	08:22	761.90	2.81	130	118.0	-26	-7.7	31			TL		
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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	60.98	11/01/2022	8.02	11/01/2022	N/A				
2	62.24	11/08/2022	8.13	11/08/2022	N/A				
3	54.50	11/15/2022	8.41	11/15/2022	N/A				
4	56.48	11/22/2022	8.11	11/22/2022	N/A				
5	57.92	11/29/2022	7.74	11/29/2022	N/A				

No monthly injectate samples required.