Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** December **Year** 2021

Submitted 01/10/2022 **Approved** 01/25/2022 **KOLAR Document ID** 1606226

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	864	0.82	182	172	-22.1	-4.4	
Monthly Maximum	1,405	2.33	200	198	12.0	7.7	
Monthly Minimum	357	0.00	150	138	-30.0	-7.7	
Monthly Total	25,929						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
198.00	138.00	4.07	-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	08:19	476.19	0.00	160	152.0	-12	0.3	31			TL		
2	07:54	1,119.05	0.86	150	138.0	-30	7.7	31			TL		
3	08:29	1,333.33	1.40	150	139.0	-30	-7.7	31			TL		
4	08:43	738.10	0.76	150	138.0	-30	-7.7	31			MM		
5	08:35	761.90	0.81	150	139.0	-30	-7.7	31			TL		
6	08:58	809.52	0.83	150	146.0	-30	-7.7	31			TL		
7	08:37	1,404.76	0.86	150	141.0	-30	-7.7	31			TL		
8	08:49	880.95	0.00	160	156.0	-10	0.2	31			TL		
9	08:41	571.43	0.00	190	167.0	12	4.1	31			TL		
10	08:45	1,095.24	0.00	190	182.0	-6	0.1	30			TL		
11	07:56	357.14	0.00	200	193.0	-6	0.0	30			DW		
12	08:59	1,166.67	1.48	190	185.0	-30	-7.7	30			DW		
13	08:39	904.76	1.31	190	184.0	-30	-7.7	30			DW		
14	08:39	642.86	1.05	200	198.0	-10	5.0	30			TL		
15	08:54	1,119.05	1.38	190	177.0	-30	-7.7	30			DW		
16	08:34	690.48	0.00	200	193.0	-6	0.1	30			TL		
17	08:43	1,119.05	1.43	190	177.0	-30	-7.7	30			DW		
18	08:50	857.14	0.00	200	194.0	-6	0.1	30			MM		
19	06:49	428.57	0.00	200	193.0	-6	0.1	30			MM		
20	08:27	1,000.00	1.07	190	177.0	-30	-7.7	30			DW		
21	08:51	1,000.00	1.02	190	176.0	-30	-7.7	30			DW		
22	08:45	976.19	1.00	190	176.0	-30	-7.7	30			DW		
23	09:26	952.38	1.00	190	176.0	-30	-7.7	30			DW		
24	07:15	547.62	0.98	190	176.0	-30	-7.7	30			DW		
25	08:33	833.33	2.02	190	177.0	-30	-7.7	30			DW		
26	08:40	880.95	1.02	190	176.0	-30	-7.7	30			DW		
27	08:50	952.38	1.00	190	176.0	-30	-7.7	30			DW		
28	08:53	952.38	0.98	190	175.0	-30	-7.7	30			DW		
29	08:35	500.00	0.95	190	175.0	-30	-7.7	30			TL		
30	08:53	857.14	2.33	190	177.0	-30	-7.7	30			TL		
31	07:43		0.00	200	198.0	-6	0.1	30			RV		

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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	58.10	12/07/2021	7.94	12/07/2021	N/A				
2	57.20	12/13/2021	8.10	12/13/2021	N/A				
3	62.60	12/21/2021	8.03	12/21/2021	N/A				
4	62.06	12/28/2021	8.03	12/28/2021	N/A				
5					N/A				

No monthly injectate samples required.