Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** October **Year** 2020

Submitted 11/02/2020 **Approved** 11/20/2020 **KOLAR Document ID** 1534974

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 7,143

			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	1,504	1.52	140	127	-22.1	-7.0	
Monthly Maximum	2,333	2.48	150	140	2.0	-0.1	
Monthly Minimum	500	0.00	130	123	-30.0	-7.7	
Monthly Total	46,619						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
140.00	123.00	-0.13	-7.70

Comments:

Lakin #1 10/2020

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	08:42	1,928.57	2.17	140	126.0	-24	-7.7	32			DW		
2	08:33	1,809.52	2.17	140	126.0	-24	-7.7	32			DW		
3	07:20	1,809.52	1.88	140	126.0	-24	-7.7	32			JS		
4	07:05	1,809.52	1.88	140	127.0	-24	-7.7	32			JS		
5	08:33	1,809.52	1.93	140	126.0	-24	-7.7	32			TL		
6	08:52	1,809.52	1.90	140	126.0	-24	-7.7	32			TL		
7	08:38	1,857.14	1.95	140	126.0	-24	-7.7	32			DW		
8	08:38	2,166.67	1.98	140	126.0	-24	-7.7	32			TL		
9	08:43	2,333.33	2.48	140	125.0	-24	-7.7	32			DW		
10	08:05	2,119.05	2.33	140	126.0	-24	-7.7	32			TL		
11	08:45	2,047.62	2.24	140	125.0	-24	-7.7	32			TL		
12	09:05	2,095.24	2.17	140	126.0	-24	-7.7	32			TL		
13	08:53	2,166.67	2.29	140	126.0	-24	-7.7	32			TL		
14	08:46	2,047.62	2.19	140	126.0	-26	-7.7	32			DW		
15	08:49	1,714.29	2.17	140	126.0	-24	-7.7	32			DW		
16	08:34	1,619.05	1.67	140	127.0	-24	-7.7	32			DW		
17	07:50	1,595.24	1.67	140	126.0	-24	-7.7	32			SH		
18	07:53	1,571.43	1.69	140	127.0	-24	-7.7	32			SH		
19	08:46	1,047.62	1.52	140	127.0	-24	-7.7	32			DW		
20	08:56	1,023.81	1.19	140	127.0	-24	-7.7	32			TL		
21	09:02	1,571.43	1.83	140	126.0	-24	-7.7	32			DW		
22	08:42	1,690.48	1.83	140	126.0	-24	-7.7	32			TL		
23	08:54	833.33	0.64	140	129.0	-24	-7.7	32			TL		
24	08:56	738.10	0.62	140	129.0	-24	-7.7	32			MM		
25	08:55	714.29	0.67	140	129.0	-24	-7.7	32			MM		
26	08:42	1,214.29	0.71	140	131.0	-22	-7.7	32			DW		
27	08:57	500.00	0.00	150	140.0	2	-0.4	32			TL		
28	08:41	500.00	0.00	150	134.0	2	-0.3	32			DW		
29	08:54	619.05	0.57	140	130.0	-30	-7.7	31			TL		
30	08:37	1,238.10	0.64	140	123.0	-30	-7.7	31			DW		
31	08:00	619.05	0.00	130	123.0	-4	-0.1	31			DW		

Lakin #1 10/2020

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	62.24	10/06/2020	7.70	10/06/2020	N/A				
2	62.42	10/13/2020	7.52	10/13/2020	N/A				
3	60.98	10/20/2020	8.00	10/20/2020	N/A				
4	59.00	10/27/2020	8.12	10/27/2020	N/A				
5					N/A				

No monthly injectate samples required.