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

Submitted 03/19/2020 **Approved** 03/19/2020 **KOLAR Document ID** 1510573

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

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	856	0.69	156	146	-11.2	-2.5	
Monthly Maximum	1,262	2.45	170	165	-2.0	-0.1	
Monthly Minimum	286	0.00	140	126	-30.0	-7.7	
Monthly Total	24,810						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
165.00	126.00	-0.16	-7.70

Comments:

Lakin #1 02/2020

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	08:01	619.05	0.00	140	126.0	-2	-0.1	31			NH		
2	08:54	1,000.00	2.14	150	149.0	-30	-7.7	31			NH		
3	08:39	1,023.81	0.00	170	165.0	-2	-0.2	31			DW		
4	08:43	1,023.81	0.00	160	156.0	-2	-0.2	31			DW		
5	08:42	500.00	0.00	160	154.0	-2	-0.2	31			DW		
6	08:44	595.24	0.00	160	148.0	-2	-0.1	31			DW		
7	08:28	1,190.48	2.14	140	132.0	-30	-7.7	30			DW		
8	08:29	1,095.24	0.00	170	157.0	-2	-0.1	30			SH		
9	09:09	452.38	0.00	160	157.0	-2	-0.2	30			SH		
10	08:31	619.05	0.00	150	144.0	-2	-0.2	30			DW		
11	08:52	1,047.62	2.05	150	135.0	-28	-7.7	30			DW		
12	08:40	690.48	0.00	150	142.0	-2	-0.2	30			DW		
13	08:29	1,166.67	2.45	140	133.0	-28	-7.7	30			DW		
14	08:31	1,071.43	0.00	170	158.0	-2	-0.1	31			MM		
15	07:30	809.52	0.00	170	156.0	-2	-0.2	31			MM		
16	08:02	285.71	0.00	170	156.0	-2	-0.2	31			MM		
17	08:31	904.76	0.55	140	136.0	-30	-0.2	30			MM		
18	08:45	952.38	2.14	150	136.0	-28	-7.7	30			JS		
19	08:36	1,071.43	2.17	145	132.0	-28	-7.7	30			RV		
20	08:36	1,119.05	0.00	170	162.0	-2	-0.2	30			DW		
21	08:35	785.71	0.00	170	159.0	-2	-0.1	30			JS		
22	08:28	357.14	0.00	170	159.0	-2	-0.1	30			DW		
23	08:42	880.95	1.95	150	138.0	-28	-7.7	30			DW		
24	08:28	1,071.43	2.26	150	136.0	-28	-7.7	30			DW		
25	08:46	1,047.62	0.00	160	151.0	-2	-0.2	30			DW		
26	08:43	380.95	0.00	150	139.0	-2	-0.2	30			DW		
27	08:45	857.14	0.00	160	148.0	-2	-0.2	30			DW		
28	08:31	1,261.90	2.14	140	128.0	-28	-7.7	30			DW		
29	07:33	928.57	0.00	160	150.0	-2	-0.1	30			RV		
30													
31													

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	57.74	02/04/2020	8.05	02/04/2020	N/A				
2	58.46	02/11/2020	8.01	02/11/2020	N/A				
3	59.72	02/18/2020	7.94	02/18/2020	N/A				
4	56.66	02/25/2020	7.94	02/25/2020	N/A				
5					N/A				

No monthly injectate samples required.