Facility Well Name Lakin #1 **UIC Permit #** KS-05-093-002 **Month** June **Year** 2019

Submitted 02/05/2020 **Approved** 02/05/2020 **KOLAR Document ID** 1467168

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	509	1.44	178	173	-13.9	-3.4	
Monthly Maximum	3,810	2.79	200	189	26.0	8.0	
Monthly Minimum	190	0.00	150	144	-26.0	-11.0	
Monthly Total	15,262						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
197.50	144.20	1.66	-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	07:57	238.10	0.00	200	189.0	0	8.0	17			NH		
2	08:42	214.29	0.00	200	189.0	0	8.0	17			NH		
3	08:35	190.48	0.00	190	188.0	0	8.0	17			DW		
4	08:49	261.90	2.74	190	179.0	-26	-11.0	17			DW		
5	08:55	404.76	2.26	190	179.0	-26	-11.0	17			DW		
6	08:34	261.90	0.00	190	187.0	0	8.0	17			DW		
7	08:30	380.95	0.00	190	187.0	0	8.0	17			DW		
8	07:11	357.14	0.00	190	186.0	0	8.0	17			DW		
9	08:04	333.33	0.00	190	183.0	0	8.0	17			DW		
10	08:30	357.14	0.00	190	187.0	0	8.0	17			DW		
11	08:37	404.76	2.29	180	178.0	-26	-11.0	17			DW		
12	08:44	428.57	2.71	180	178.0	-26	-11.0	17			DW		
13	08:41	404.76	2.24	190	180.0	-26	-11.0	17			DW		
14	08:51	404.76	2.71	190	181.0	-26	-11.0	17			DW		
15	08:03	404.76	0.00	190	187.0	0	8.0	17			NH		
16	09:23	452.38	0.00	190	188.0	0	8.0	17			NH		
17	08:47	571.43	2.69	170	168.0	-26	-11.0	17			DW		
18	08:46	285.71	0.00	170	167.0	0	8.0	17			DW		
19	08:41	404.76	2.26	150	144.0	-26	-11.0	17			DW		
20	08:38	238.10	2.79	170	160.0	-26	-11.0	17			DW		
21	08:41	547.62	2.26	170	159.0	-26	-11.0	17			DW		
22	08:10	333.33	2.24	170	159.0	-26	-11.0	17			SH		
23	08:30	3,809.52	0.00	170	161.0	0	8.0	17			SH		
24	08:34	523.81	2.24	170	159.0	-26	-11.0	17			DW		
25	08:47	523.81	2.26	170	159.0	-26	-11.0	17			DW		
26	08:41	404.76	2.29	160	158.0	-26	-11.0	17			DW		
27	08:47	619.05	2.29	160	168.0	26	-11.0	17			DW		
28	08:52	428.57	2.69	160	157.0	-26	-11.0	17			DW		
29	08:41	523.81	2.17	160	158.0	-26	-11.0	17			DW		
30	08:24	547.62	2.19	160	157.0	-26	-11.0	17			DW		
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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	63.50	06/04/2019	7.86	06/04/2019	N/A				
2	66.02	06/11/2019	7.95	06/11/2019	N/A				
3	67.10	06/18/2019	7.71	06/18/2019	N/A				
4	63.50	06/25/2019	7.73	06/25/2019	N/A				
5					N/A				

No monthly injectate samples required.