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

Submitted 02/26/2020 **Approved** 02/27/2020 **KOLAR Document ID** 1505928

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	639	0.74	153	144	-12.3	-2.6	20
Monthly Maximum	1,238	2.55	180	174	-2.0	-0.1	20
Monthly Minimum	71	0.00	120	114	-30.0	-7.7	20
Monthly Total	19,810						20

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
278.50	108.20	1.51	-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	08:50	214.29	0.00	180	173.0	-4	-0.1	17			NH		
2	08:10	166.67	0.00	180	174.0	-4	-0.1	17			NH		
3	06:15	142.86	0.00	180	173.0	-4	-0.1	17			NH		
4	08:38	95.24	0.00	180	174.0	-4	-0.1	17			NH		
5	08:59	214.29	2.14	170	161.0	-30	-7.7	17			NH		
6	08:36	214.29	2.31	180	170.0	-30	-7.7	17			DW		
7	08:39	238.10	0.00	170	165.0	-4	-0.1	17			DW		
8	08:33	166.67	0.00	160	150.0	-4	-0.1	17			DW		
9	08:30	71.43	0.00	150	139.0	-4	-0.1	17			DW		
10	08:41	142.86	0.00	150	147.0	-4	-0.1	17			DW		
11	08:26	857.14	2.19	150	134.0	-30	-7.7	17			SH		
12	08:13	1,095.24	0.00	150	149.0	-4	-0.1	17			SH		
13	08:36	880.95	0.00	160	148.0	-4	-0.1	17			DW		
14	08:36	428.57	0.00	150	145.0	-4	-0.1	17			DW		
15	08:56	1,095.24	2.43	140	134.0	-30	-7.7	17			DW		
16	08:30	952.38	2.19	150	139.0	-30	-7.7	17			DW		
17	08:52	1,047.62	0.00	150	149.0	-4	-0.1	17			DW		
18	08:34	857.14	0.00	150	137.0	-4	-0.1	17			SH		
19	08:29	523.81	0.00	150	134.0	-4	-0.1	17			SH		
20	08:52	595.24	0.00	140	129.0	-2	-0.2	17			MM		
21	08:47	952.38	2.10	150	135.0	-30	-7.7	17			DW		
22	08:42	761.90	2.40	150	135.0	-30	-7.7	17	ANNULUS	20	DW		
23	08:40	1,238.10	2.48	120	114.0	-30	-7.7	30			DW		
24	08:51	1,071.43	0.00	150	137.0	-4	-0.1	30			DW		
25	08:25	976.19	0.00	140	134.0	-4	-0.1	30			DW		
26	09:35	714.29	0.00	140	130.0	-4	-0.1	31			DW		
27	08:39	690.48	0.00	140	132.0	-4	-0.1	31			DW		
28	09:05	857.14	2.07	140	130.0	-30	-7.7	31			DW		
29	08:43	1,071.43	2.55	130	119.0	-30	-7.7	31			DW		
30	08:45	1,071.43	0.00	150	140.0	-4	-0.1	31			MM		
31	08:24	404.76	0.00	150	138.0	-4	-0.1	31			NH		

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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	01/07/2020	7.90	01/07/2020	N/A				
2	64.76	01/14/2020	8.15	01/14/2020	N/A				
3	59.90	01/21/2020	8.01	01/21/2020	N/A				
4	54.68	01/28/2020	7.99	01/28/2020	N/A				
5					N/A				

No monthly injectate samples required.