Facility Well Name Compass #3 **UIC Permit #** KS-01-159-005 **Month** February **Year** 2020

Submitted 03/23/2020 **Approved** 03/23/2020 **KOLAR Document ID** 1510728

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 20,571

			Annulus Pressure psig min 50		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	12,963	8.84	79	77	-16.6	-17.1	
Monthly Maximum	14,249	9.95	89	81	0.0	0.0	
Monthly Minimum	0	0.00	75	74	-29.0	-29.0	
Monthly Total	375,925						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
81.10	73.40	0.90	-31.30

Comments:

The motor for the disposal supply failed on 2-10-20 and was restarted 2-12-20

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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	Conductivity Mmhos	
1	09:34	10,486.60	9.86	80	77.0	-17	-17.9	7			BW	2,607.00	
2	09:43	14,196.98	9.88	81	78.1	-17	-17.7	7			BW	2,557.00	
3	07:47	14,190.76	9.86	82	79.5	-17	-17.4	7			BW	2,559.00	
4	11:31	14,114.00	9.71	78	74.6	-17	-18.0	7			BW	2,559.00	
5	10:13	14,122.10	9.71	78	74.4	-17	-18.0	7			KB	2,584.00	
6	10:25	14,073.19	9.86	79	75.9	-17	-17.7	7			KB	2,561.00	
7	10:40	14,091.31	9.88	80	77.0	-17	-17.8	7			KB	2,563.00	
8	11:41	14,161.98	9.86	80	76.9	-17	-18.0	7			KB	2,564.00	
9	12:13	14,138.19	9.95	80	76.9	-17	-18.0	7			KB	2,567.00	
10	08:48	11,854.26	0.67	79	76.2	-29	-29.0	7			KB	2,322.00	
11	09:33	1,223.67	0.00	78	75.8	0	0.0	7			KB	0.00	
12	09:02	0.00	0.00	83	81.1	-11	-1.6	9			BW	10.00	
13	07:20	11,736.07	9.69	75	73.7	-17	-18.1	7			BW	2,608.00	
14	09:07	14,206.31	9.74	75	74.3	-17	-18.1	7			BW	2,581.00	
15	06:55	14,233.29	9.90	78	76.4	-17	-17.7	7			BW	2,604.00	
16	09:10	14,236.74	9.64	78	77.0	-17	-17.8	7			BW	2,584.00	
17	10:13	14,234.38	9.83	81	78.4	-17	-17.6	7			BW	2,568.00	
18	07:31	14,165.00	9.74	89	75.9	-17	-18.1	7			BW	2,584.00	
19	09:19	14,219.26	9.90	79	76.5	-17	-18.2	7			KB	2,564.00	
20	10:22	14,165.95	9.83	77	73.5	-17	-18.5	7			KB	2,590.00	
21	10:45	14,248.62	9.86	78	75.0	-17	-18.3	7			KB	2,582.00	
22	12:34	14,232.21	9.86	80	77.4	-17	-17.9	7			KB	2,575.00	
23	11:06	14,226.55	9.93	81	78.5	-17	-17.8	7			KB	2,579.00	
24	07:48	14,216.69	9.86	80	76.9	-17	-17.5	7			KB	2,572.00	
25	07:41	14,211.95	9.90	81	77.6	-17	-17.7	7			KB	2,587.00	
26	08:55	14,221.55	9.93	76	74.9	-17	-18.2	7			BW	2,582.00	
27	10:51	14,234.31	9.83	79	76.4	-17	-17.9	7			BW	2,569.00	
28	11:02	14,248.31	9.90	79	76.9	-17	-18.0	7			BW	2,557.00	
29	10:31	14,235.02	9.88	80	77.5	-17	-17.8	7			BW	2,550.00	
30													
31													

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Weekly Injectate Samples

Kansas Lab Certificate Number E-30320

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	57.90	02/02/2020	7.00	02/02/2020	607.0	02/02/2020	02/02/2020		
2	56.80	02/13/2020	7.17	02/13/2020	1,522.0	02/13/2020	02/13/2020		
3	57.20	02/16/2020	7.11	02/16/2020	601.0	02/16/2020	02/16/2020		
4	59.00	02/24/2020	7.39	02/24/2020	586.0	02/24/2020	02/24/2020		

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/04/2020
Kansas Lab Certificate Number E-10116
Lab Name Pace Analytical-Lenexa

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Calcium	122.000	mg/l
Iron	<0.050	mg/l
Magnesium	16.000	mg/l
Sulfate	125.000	mg/l
Total Alkalinity as CaCO3	335.000	mg/l
Total Dissolved Solids	1,650.000	mg/l
Total Hardness as CaCO3	371.000	mg/l