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

Submitted 03/15/2021 **Approved** 03/17/2021 **KOLAR Document ID** 1564272

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

Barrels per Day Maximum: 20,571

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 50 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	13,534	9.80	82	79	-17.0	-17.9	
Monthly Maximum	15,987	10.00	85	81	-17.0	-17.4	
Monthly Minimum	3,560	9.60	79	77	-17.0	-18.2	
Monthly Total	406,032						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
82.30	76.80	0.90	-30.30

Comments:

On June 22 we had to use the flow rate to determine the total flow for the day.

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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	08:06	10,342.69	9.86	81	77.9	-17	-18.2	7			KB	2,548.00	
2	07:36	14,006.07	9.69	80	78.1	-17	-18.1	7			KB	2,556.00	
3	08:10	14,072.50	9.88	82	78.6	-17	-18.0	7			BW	2,556.00	
4	07:16	14,025.98	9.64	82	79.0	-17	-17.9	7			BW	2,560.00	
5	07:30	14,030.26	9.69	82	79.0	-17	-18.1	7			BW	2,561.00	
6	08:23	14,031.19	9.60	82	79.2	-17	-18.1	7			BW	2,551.00	
7	08:48	14,018.52	9.64	82	79.5	-17	-17.9	7			BW	2,570.00	
8	07:03	14,073.83	9.71	82	79.2	-17	-17.8	7			BW	2,554.00	
9	09:31	14,098.60	9.86	82	79.6	-17	-17.5	7			BW	2,544.00	
10	08:18	14,095.52	9.86	79	76.8	-17	-18.0	7			KB	2,551.00	
11	13:13	14,089.74	9.79	81	78.3	-17	-18.2	7			KB	2,556.00	
12	07:40	14,154.10	9.83	81	78.0	-17	-18.2	7			KB	2,575.00	
13	07:35	14,096.57	9.74	81	78.5	-17	-18.0	7			KB	2,573.00	
14	07:46	14,153.79	9.71	81	78.9	-17	-18.0	7			KB	2,539.00	
15	08:09	14,108.00	9.76	82	78.9	-17	-18.1	7			KB	2,542.00	
16	08:39	14,134.12	9.81	82	79.0	-17	-18.1	7			KB	2,558.00	
17	07:27	14,110.29	9.93	82	79.2	-17	-18.0	7			BW	2,545.00	
18	07:37	14,116.26	9.79	82	79.3	-17	-17.8	7			BW	2,561.00	
19	09:18	3,559.83	9.88	85	81.3	-17	-17.9	7			BW	2,570.00	
20	09:10	14,293.69	9.93	81	77.7	-17	-17.6	7			BW	2,589.00	
21	09:44	14,165.55	9.90	81	78.4	-17	-17.4	7			BW	2,618.00	
22	09:00	11,372.26	10.00	81	77.5	-17	-17.6	7			BW	2,492.00	
23	09:42	14,366.69	9.90	81	77.9	-17	-17.6	7			BW	2,581.00	
24	08:38	14,177.74	10.00	81	78.2	-17	-18.2	7			KB	2,593.00	
25	08:44	13,989.33	9.83	81	77.8	-17	-18.1	7			KB	2,578.00	
26	08:02	14,003.69	9.83	81	78.4	-17	-18.2	7			KB	2,618.00	
27	10:26	12,424.24	9.60	81	78.8	-17	-18.1	7			KB	2,595.00	
28	06:57	15,987.00	9.74	82	79.3	-17	-17.9	7			KB	2,618.00	
29	07:44	13,972.52	9.71	82	79.0	-17	-17.8	7			KB	2,587.00	
30	07:21	13,961.10	9.83	82	79.2	-17	-17.8	7			KB	2,563.00	

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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	60.90	06/01/2020	7.39	06/01/2020	598.0	06/01/2020	06/01/2020		
2	58.60	06/07/2020	7.26	06/07/2020	560.0	06/07/2020	06/07/2020		
3	63.50	06/16/2020	7.34	06/16/2020	443.0	06/16/2020	06/16/2020		
4	59.00	06/21/2020	7.21	06/21/2020	568.0	06/21/2020	06/21/2020		
5	61.70	06/29/2020	7.24	06/29/2020	610.0	06/29/2020	06/29/2020		

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 04/07/2020
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	121.000	mg/l
Iron	<0.050	mg/l
Magnesium	15.500	mg/l
Sulfate	119.000	mg/l
Total Alkalinity as CaCO3	291.000	mg/l
Total Dissolved Solids	1,570.000	mg/l
Total Hardness as CaCO3	366.000	mg/l