Facility Well Name Sunflower (Fort Dodge) #1 **UIC Permit #** KS-01-057-003 **Month** June **Year** 2020

Submitted 07/16/2020 **Approved** 07/16/2020 **KOLAR Document ID** 1523904

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 2

Barrels per Day Maximum: 20,571

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 60 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	323	0.10	246	236	-1.6	-0.6	
Monthly Maximum	6,148	1.69	355	345	0.0	1.4	
Monthly Minimum	0	0.00	160	150	-24.0	-25.8	
Monthly Total	9,704						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
396.04	140.02	1.51	-25.92

Comments:

The actual injection rate (gpm) reading showed negative values throughout the month when the injection well had no flow and was recorded as negative, but changed to 0 for the report to indicate no flow at that time.

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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	08:28	0.00	0.00	320	310.5	0	1.3	35			CS		
2	08:06	0.00	0.00	286	274.8	0	1.3	35			DA		
3	07:58	0.00	0.00	250	237.9	0	1.3	35			DA		
4	07:45	0.00	0.00	214	204.0	0	1.3	35			DA		
5	07:37	0.00	0.00	184	174.8	0	1.2	35			DA		
6	07:34	0.00	0.00	160	150.2	0	1.2	35			KK		
7	08:30	0.00	0.00	344	332.6	0	1.3	35			KK		
8	08:25	0.00	0.00	320	309.4	0	1.3	35			KK		
9	08:14	0.00	0.00	290	279.6	0	1.3	35			KK		
10	08:07	0.00	0.00	260	250.9	0	1.0	35			KK		
11	08:15	0.00	0.00	232	222.9	0	1.1	35			KK		
12	06:40	0.00	0.00	210	199.6	0	1.2	35			MH		
13	08:57	0.00	0.00	185	175.7	0	1.3	35			LF		
14	08:18	0.00	0.00	166	156.7	0	1.3	35			LF		
15	08:22	0.00	0.00	355	344.8	0	1.2	35			CS		
16	08:16	0.00	0.00	312	302.9	0	1.3	35			LF		
17	08:14	0.00	0.00	280	269.6	0	1.3	35			LF		
18	08:16	0.00	0.00	246	235.2	0	1.3	35			LF		
19	07:45	0.00	0.00	216	204.8	0	1.1	35			DA		
20	08:43	0.00	0.00	188	177.4	0	1.2	35			MH		
21	08:11	0.00	0.00	165	156.1	0	1.4	35			MH		
22	07:55	0.00	0.00	350	338.9	0	1.2	35			CS		
23	08:22	0.00	0.00	310	298.3	0	1.2	35			MH		
24	08:03	0.00	0.00	279	267.2	0	1.3	35			MH		
25	08:03	0.00	0.00	248	236.5	0	1.3	35			MH		
26	06:46	0.00	0.00	220	208.6	0	1.2	35			MH		
27	07:12	0.00	0.00	190	182.5	0	1.3	35			CG		
28	07:39	0.00	0.00	170	166.4	0	1.4	35			CS		
29	11:01	6,148.17	1.69	255	244.9	-24	-25.8	29			CS		
30	07:13	3,556.19	1.40	176	165.9	-24	-25.8	29			KK		
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Weekly Injectate Samples

Kansas Lab Certificate Number E-10150

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	65.20	06/30/2020	7.42	06/30/2020	540.0	06/30/2020	07/02/2020		
2									
3									
4									
5									

No monthly injectate samples required.