Facility Well Name Sunflower (Fort Dodge) #1 **UIC Permit #** KS-01-057-003 **Month** September **Year** 2022

Submitted 10/24/2022 **Approved** 10/28/2022 **KOLAR Document ID** 1670716

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 4

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	1,033	0.10	330	327	-2.7	-1.6	
Monthly Maximum	10,492	3.10	553	548	0.0	1.4	
Monthly Minimum	0	0.00	226	224	-26.0	-26.0	
Monthly Total	30,987						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
600.00	136.80	1.60	-26.20

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.

Sunflower (Fort Dodge) #1 09/2022

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	07:54	0.00	0.00	288	286.1	0	1.3	31			MH		
2	07:52	0.00	0.00	283	279.5	0	1.3	32			TK		
3	07:36	0.00	0.00	277	273.1	0	1.3	32			LF		
4	03:35	0.00	0.00	270	268.0	0	1.3	32			CG		
5	07:04	0.00	0.00	264	262.0	0	1.3	32			MH		
6	07:43	0.00	0.00	260	257.0	0	1.3	32			KK		
7	03:04	0.00	0.00	255	252.6	0	1.3	32			CG		
8	03:07	0.00	0.00	250	246.8	0	1.3	32			CG		
9	03:18	0.00	0.00	244	241.5	0	1.3	32			CG		
10	02:22	0.00	0.00	239	236.6	0	1.3	32			CG		
11	02:49	0.00	0.00	234	232.0	0	1.3	32			CG		
12	08:38	0.00	0.00	230	226.7	0	1.3	32			LF		
13	00:32	0.00	0.00	226	224.1	0	1.3	32			TK		
14	12:55	9,751.98	0.00	539	538.9	-18	-16.6	25			KK		
15	08:31	0.00	0.00	400	398.7	0	1.3	29			CS		
16	13:37	10,491.71	0.00	338	335.2	-26	-26.0	25			KK		
17	07:24	0.00	0.00	410	408.7	-12	-13.3	27			CG		
18	05:14	6,917.90	3.10	242	238.6	-26	-25.9	26			TK		
19	02:54	3,825.31	0.00	553	547.8	0	1.3	26			TK		
20	02:12	0.00	0.00	417	414.4	0	1.3	28			LF		
21	01:50	0.00	0.00	478	477.8	0	1.3	28			LF		
22	02:40	0.00	0.00	474	474.1	0	1.3	28			LF		
23	08:15	0.00	0.00	442	440.7	0	1.4	29			TK		
24	08:10	0.00	0.00	410	407.6	0	1.3	30			TK		
25	08:06	0.00	0.00	376	375.1	0	1.2	30			TK		
26	08:11	0.00	0.00	348	345.4	0	1.3	30			CG		
27	08:08	0.00	0.00	322	318.2	0	1.3	31			KK		
28	07:28	0.00	0.00	297	293.6	0	1.2	31			KK		
29	07:59	0.00	0.00	276	271.5	0	1.3	31			KK		
30	08:11	0.00	0.00	255	252.1	0	1.3	31			KK		
31													

Sunflower (Fort Dodge) #1 09/2022

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	73.30	09/13/2022	7.88	09/13/2022	420.0	09/13/2022	09/14/2022		
2	70.50	09/18/2022	7.32	09/18/2022	553.0	09/19/2022	09/19/2022		
3									
4									
5									

No monthly injectate samples required.