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

Submitted 09/10/2020 **Approved** 09/11/2020 **KOLAR Document ID** 1529556

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 1

Barrels per Day Maximum: 20,571

			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	4	0.00	258	248	-3.1	-1.6	
Monthly Maximum	109	0.00	474	464	0.0	1.4	
Monthly Minimum	0	0.00	153	142	-20.0	-22.0	
Monthly Total	109						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
465.96	140.09	1.51	-25.71

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	08:04	0.00	0.00	302	291.6	0	1.2	34			MH		
2	08:44	0.00	0.00	276	265.1	0	1.2	34			MH		
3	08:23	0.00	0.00	252	241.7	0	1.2	34			KK		
4	06:40	0.00	0.00	233	222.1	0	1.3	34			MH		
5	06:34	0.00	0.00	215	203.7	0	1.3	34			MH		
6	06:38	0.00	0.00	200	187.1	0	1.3	34			MH		
7	07:52	0.00	0.00	184	172.0	0	1.4	35			DA		
8	06:57	0.00	0.00	162	159.9	0	1.3	35			CG		
9	06:49	0.00	0.00	158	148.1	0	1.3	35			CG		
10	08:14	0.00	0.00	355	344.0	0	1.2	35			CS		
11	07:50	0.00	0.00	340	329.3	0	1.2	34			CG		
12	07:44	109.43	0.00	474	464.2	-20	-22.0	33			CG		
13	07:53	0.00	0.00	452	439.9	-16	-16.6	33			CG		
14	08:07	0.00	0.00	400	390.0	-12	-12.2	33			CG		
15	07:41	0.00	0.00	355	344.4	-10	-8.8	34			CS		
16	07:37	0.00	0.00	315	304.7	-8	-6.1	34			CS		
17	08:33	0.00	0.00	280	270.6	-6	-3.9	34			CS		
18	08:12	0.00	0.00	255	243.4	-4	-2.4	34			CS		
19	08:13	0.00	0.00	230	219.8	-4	-1.1	34			CS		
20	08:13	0.00	0.00	210	197.8	-2	-0.4	34			CS		
21	07:47	0.00	0.00	194	182.7	-2	0.2	35			DA		
22	08:19	0.00	0.00	178	167.3	-2	0.5	35			LF		
23	08:50	0.00	0.00	164	153.7	-2	0.7	35			LF		
24	08:18	0.00	0.00	153	141.9	-2	0.8	34			LF		
25	08:16	0.00	0.00	318	307.6	-1	0.9	34			LF		
26	08:20	0.00	0.00	290	278.4	-1	1.1	34			LF		
27	08:05	0.00	0.00	260	249.1	-1	1.2	34			LF		
28	08:03	0.00	0.00	230	222.3	-1	1.3	34			CG		
29	08:06	0.00	0.00	208	197.6	-1	1.1	35			KK		
30	08:14	0.00	0.00	187	177.9	-1	1.3	35			KK		
31	08:12	0.00	0.00	171	160.9	-1	1.2	35			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	84.30	08/11/2020	7.00	08/11/2020	530.0	08/11/2020	08/17/2020		
2									
3									
4									
5									

No monthly injectate samples required.