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

Submitted 12/09/2020 **Approved** 12/09/2020 **KOLAR Document ID** 1538628

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 0

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	0	0.00	226	219	1.0	1.2	
Monthly Maximum	0	0.00	362	353	1.0	1.3	
Monthly Minimum	0	0.00	115	143	1.0	1.2	
Monthly Total	0						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
399.51	140.06	1.31	1.17

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. Also, during a power outage that affected the continuous recorder, there was NO DATA collected for 4 hours and 10 minutes on 11/4/2020. Details of this event were shared with Ken Brooks in an email from Emily Vsetecka dated 12/8/2020 with Ken responding the same day. During the timeframe that NO DATA was recorded the injection pressure went from 1.25 inHg to 1.23 inHg and the annulus pressure went from 244.81 psi to 240.23 psi. No other issues were identified during the month.

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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	07:23	0.00	0.00	362	353.3	1	1.2	33			CG		
2	08:29	0.00	0.00	320	308.9	1	1.3	34			CG		
3	08:07	0.00	0.00	286	275.8	1	1.3	34			CG		
4	07:46	0.00	0.00	260	248.1	1	1.2	34			CG		
5	08:00	0.00	0.00	234	224.7	1	1.2	34			CG		
6	07:36	0.00	0.00	115	205.1	1	1.3	34			CS		
7	07:26	0.00	0.00	200	188.1	1	1.3	34			CS		
8	06:39	0.00	0.00	185	173.6	1	1.3	35			CS		
9	08:08	0.00	0.00	168	159.9	1	1.2	35			DA		
10	08:35	0.00	0.00	160	148.7	1	1.2	35			CS		
11	08:27	0.00	0.00	345	335.8	1	1.2	34			CS		
12	08:17	0.00	0.00	295	285.4	1	1.2	34			CS		
13	08:45	0.00	0.00	260	251.2	1	1.3	34			CS		
14	08:43	0.00	0.00	235	226.2	1	1.3	34			DA		
15	08:20	0.00	0.00	215	206.3	1	1.2	34			DA		
16	07:56	0.00	0.00	200	190.2	1	1.2	35			DA		
17	07:59	0.00	0.00	184	176.3	1	1.2	35			DA		
18	07:44	0.00	0.00	173	164.5	1	1.3	35			DA		
19	08:07	0.00	0.00	162	153.4	1	1.3	35			DA		
20	08:22	0.00	0.00	155	143.4	1	1.2	35			CS		
21	06:42	0.00	0.00	320	309.3	1	1.3	35			CG		
22	06:33	0.00	0.00	280	270.7	1	1.2	35			CG		
23	07:57	0.00	0.00	246	237.7	1	1.3	35			CG		
24	08:02	0.00	0.00	222	212.6	1	1.3	35			CG		
25	07:58	0.00	0.00	204	193.3	1	1.2	35			CG		
26	06:51	0.00	0.00	188	178.4	1	1.2	35			LF		
27	08:35	0.00	0.00	174	164.4	1	1.2	35			LF		
28	07:53	0.00	0.00	162	153.8	1	1.2	35			KK		
29	07:29	0.00	0.00	153	144.3	1	1.2	35			KK		
30	07:55	0.00	0.00	303	298.1	1	1.3	34			KK		
31		0.00	0.00										