Facility Well Name ONEOK (Hutchinson) #2 **UIC Permit #** KS-01-155-002 **Month** February **Year** 2023

Submitted 03/27/2023 **Approved** 04/03/2023 **KOLAR Document ID** 1706177

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 25

Barrels per Day Maximum: 21,000

			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	414	0.29	82	83	-26.0	-26.0	0
Monthly Maximum	1,171	0.81	87	88	-20.0	-21.6	0
Monthly Minimum	0	0.00	76	78	-30.0	-27.5	0
Monthly Total	11,586						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
90.50	77.00	1.10	-27.80

Comments:

* No weekly disposal well sample was collected from Hutchinson #2 Disposal Well during the calendar week of 26Feb2023. This disposal well started injecting waste fluids on Tue 28Feb2023. However, a quarterly disposal well sample was collected from Hutchinson #3 Disposal Well on Tue 28Feb2023. On this date, both wells were being used to inject waste fluids from the same source, cooling tower blowdown. The Hutchinson #3 Disposal Well sample results showed 7.79 pH, 74.3 degrees F, and 5350 mg/L chloride. Roger Nikolai Kotschegarow, ONEOK Hydrocarbon, made telephone contact with Ken Brooks, KDHE, at 11:09 AM on 22Mar2023 and advised him of the issue and that a note will be submitted in the monthly disposal well report.

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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	19:37	1,171.43	0.81	84	84.5	-26	-27.3	16		0	JG		
2	20:24	1,157.14	0.81	84	84.1	-26	-27.5	16		0	GB		
3	20:40	1,078.57	0.74	85	85.7	-26	-27.2	16		0	GB		
4	19:15	973.81	0.67	80	79.9	-27	-27.0	16		0	GB		
5	19:05	990.48	0.69	86	86.7	-28	-27.1	16		0	GB		
6	18:31	926.19	0.64	86	87.1	-27	-27.0	16		0	GB		
7	19:15	923.81	0.64	81	82.6	-27	-27.4	16		0	GB		
8	21:18	861.90	0.60	80	82.0	-27	-27.0	16		0	GB		
9	18:58	621.43	0.43	78	80.0	-27	-27.3	16		0	JB		
10	18:38	604.76	0.43	80	81.8	-27	-27.1	16		0	JB		
11	19:37	504.76	0.36	84	84.5	-26	-27.3	16		0	JB		
12	21:49	433.33	0.31	80	81.7	-26	-27.2	16		0	JB		
13	18:16	278.57	0.19	84	85.8	-28	-26.8	16		0	JB		
14	19:28	245.24	0.17	82	83.7	-27	-26.7	16		0	JB		
15	18:19	176.19	0.12	78	77.7	-26	-27.1	16		0	JB		
16	19:49	147.62	0.10	76	77.6	-25	-27.5	16		0	SN		
17	19:08	111.90	0.07	84	85.2	-27	-27.1	16		0	SN		
18	18:45	80.95	0.05	81	83.5	-25	-23.5	16		0	SN		
19	18:31	7.14	0.00	83	84.7	-24	-22.2	16		0	SN		
20	18:22	2.38	0.00	83	85.6	-25	-23.2	16		0	SN		
21	18:33	2.38	0.00	82	84.7	-26	-23.4	16		0	SN		
22	18:41	4.76	0.00	76	78.5	-22	-23.8	16		0	SN		
23	18:46	4.76	0.00	80	81.9	-24	-25.2	16		0	JG		
24	18:42	4.76	0.00	80	80.5	-20	-21.6	16		0	JG		
25	21:00	0.00	0.00	80	80.8	-26	-26.8	16		0	JG		
26	17:26	0.00	0.00	85	86.7	-28	-25.5	16		0	JG		
27	18:38	0.00	0.00	87	88.2	-25	-23.3	16		0	JG		
28	18:28	271.43	0.19	85	87.9	-30	-26.5	16		0	JG		
29													
30													
31													

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Weekly Injectate Samples

Kansas Lab Certificate Number E-10152

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	66.90	02/05/2023	7.66	02/05/2023	8,500.0	02/05/2023	02/24/2023		
2	64.80	02/12/2023	7.62	02/12/2023	10,200.0	02/12/2023	02/24/2023		
3	68.20	02/19/2023	7.37	02/19/2023	5,200.0	02/19/2023	02/24/2023		
4									
5									

No monthly injectate samples required.