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

Submitted 12/18/2023 **Approved** 12/28/2023 **KOLAR Document ID** 1741253

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	1,113	0.77	83	85	-27.9	-28.6	0
Monthly Maximum	1,412	0.98	88	91	-27.0	-27.2	0
Monthly Minimum	460	0.31	79	80	-28.0	-29.0	0
Monthly Total	33,388						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
93.00	77.80	-17.8	-30.2

Comments:

During the afternoon of November 13th, ONEOK determined the Hutchinson #2 Disposal Well flow meter was locked up. The meter was promptly replaced. ONEOK Hydrocarbon estimates approximately 48,000 gallons per day was flowing through the meter during the period November 5th to November 13th. Roger Nikolai Kotschegarow, ONEOK Hydrocarbon, called and left a voice mail to Ken Brooks, UIC-KHDE, on November 14th at about 8:27 AM providing details of the situation.

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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	19:19	992.86	0.69	88	89.1	-27	-28.7	16		0	EJ		
2	18:35	990.48	0.69	88	91.2	-28	-28.6	16		0	CP		
3	18:28	826.19	0.57	80	80.5	-28	-28.4	16		0	TH		
4	21:23	880.95	0.62	82	82.0	-28	-28.8	16		0	TH		
5	18:45	459.52	0.31	86	86.3	-28	-28.5	16		0	TH		
6	19:52	1,142.86	0.79	85	84.5	-28	-28.5	16		0	TH		
7	18:14	1,142.86	0.79	86	86.0	-28	-28.2	16		0	TH		
8	19:00	1,142.86	0.79	83	82.8	-28	-28.7	16		0	TH		
9	18:36	1,142.86	0.79	80	81.6	-27	-28.9	16		0	SN		
10	18:22	1,142.86	0.79	85	85.6	-28	-28.8	16		0	SN		
11	18:14	1,142.86	0.79	85	85.6	-28	-28.8	16		0	SN		
12	19:13	1,142.86	0.79	85	86.7	-28	-28.9	16		0	SN		
13	18:32	1,142.86	0.79	85	86.0	-28	-28.9	16		0	SN		
14	18:03	935.71	0.64	85	86.8	-28	-28.7	16		0	SN		
15	19:05	1,235.71	0.86	84	86.4	-28	-28.7	16		0	SN		
16	18:13	1,185.71	0.83	84	85.3	-28	-28.4	16		0	BK		
17	19:32	1,311.90	0.90	80	82.7	-28	-28.7	16		0	BK		
18	18:42	1,219.05	0.86	86	86.3	-28	-28.6	16		0	JG		
19	18:33	1,252.38	0.88	85	84.3	-28	-28.2	16		0	JG		
20	19:28	1,319.05	0.90	80	80.8	-28	-27.2	16		0	BK		
21	19:34	1,200.00	0.83	80	80.0	-28	-28.8	16		0	BK		
22	21:35	1,411.90	0.98	85	84.8	-28	-28.6	16		0	BK		
23	19:26	1,188.10	0.83	84	83.9	-28	-28.8	16		0	BK		
24	19:04	1,273.81	0.88	80	81.1	-28	-29.0	16		0	BK		
25	19:20	1,307.14	0.90	79	79.8	-28	-28.8	16		0	DR		
26	20:37	1,092.86	0.76	81	83.4	-28	-28.7	16		0	DR		
27	19:18	1,066.67	0.74	82	85.8	-28	-28.9	16		0	DR		
28	19:58	807.14	0.57	82	85.2	-28	-28.7	16		0	DR		
29	21:29	1,252.38	0.88	83	86.4	-28	-28.3	16		0	DR		
30	18:34	1,035.71	0.71	84	86.8	-27	-28.2	16		0	EJ		
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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	77.30	11/05/2023	7.24	11/05/2023	7,000.0	11/05/2023	11/16/2023		
2	74.30	11/13/2023	7.53	11/13/2023	6,200.0	11/13/2023	11/30/2023		
3	71.50	11/19/2023	7.92	11/19/2023	6,250.0	11/19/2023	11/30/2023		
4	56.00	11/26/2023	7.80	11/26/2023	5,900.0	11/26/2023	11/30/2023		
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No monthly injectate samples required.