Facility Well Name Kansas Ethanol #5 **UIC Permit #** KS-01-159-007 **Month** February **Year** 2024

Submitted 03/06/2024 **Approved** 03/15/2024 **KOLAR Document ID** 1766695

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

Barrels per Day Maximum: 13,714

			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	4,183	2.92	69	71	-23.3	-19.6	
Monthly Maximum	4,643	3.14	70	73	-23.0	-18.4	
Monthly Minimum	3,786	2.81	69	69	-24.0	-20.3	
Monthly Total	121,310						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
73.50	68.80	-18.00	-20.90

Comments:

Kansas Ethanol #5 02/2024

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	Conduc-tivity	
1	07:15	4,285.71	3.00	69	73.0	-23	-18.4	10	N/A		BF	2,004.00	
2	07:15	4,380.95	2.83	69	71.1	-24	-19.9	10	N/A		BF	2,161.00	
3	08:42	4,452.38	2.86	69	71.0	-23	-19.8	10	N/A		TM	1,803.00	
4	08:20	4,071.43	2.95	69	70.8	-23	-19.7	10	N/A		TM	2,004.00	
5	07:15	3,928.57	2.98	69	70.8	-24	-19.6	10	N/A		BF	2,110.00	
6	07:15	4,261.90	2.93	69	70.8	-24	-19.7	10	N/A		BF	1,874.00	
7	07:15	4,214.29	2.98	69	70.6	-24	-19.7	10	N/A		BF	1,922.00	
8	07:15	4,261.90	2.95	69	70.7	-24	-19.6	10	N/A		BF	1,807.00	
9	07:15	4,190.48	2.93	70	71.3	-23	-19.5	10	N/A		BF	2,121.00	
10	08:00	4,357.14	2.90	69	71.0	-23	-19.6	10	N/A		CM	1,747.00	
11	08:00	4,261.90	2.93	70	70.9	-24	-19.7	10	N/A		BH	2,134.00	
12	07:15	4,000.00	2.95	70	71.0	-24	-19.6	10	N/A		BF	2,080.00	
13	07:15	4,190.48	2.98	70	71.4	-24	-19.3	10	N/A		BF	1,917.00	
14	07:15	4,214.29	2.93	70	71.4	-23	-19.3	10	N/A		BF	2,006.00	
15	07:15	4,190.48	2.98	70	70.7	-23	-19.9	10	N/A		BF	2,088.00	
16	07:15	4,214.29	2.98	70	70.5	-23	-19.6	10	N/A		BF	1,964.00	
17	09:15	4,642.86	3.00	69	69.4	-23	-20.3	10	N/A		AA	1,851.00	
18	09:10	4,238.10	2.95	69	70.2	-23	-19.7	10	N/A		AA	1,911.00	
19	07:15	3,809.52	2.90	69	70.7	-23	-19.5	10	N/A		BF	1,974.00	
20	07:15	4,142.86	2.90	69	71.1	-23	-19.5	10	N/A		BF	2,055.00	
21	07:15	4,119.05	2.88	70	70.9	-23	-19.8	10	N/A		BF	1,916.00	
22	07:15	4,142.86	2.86	70	71.0	-23	-19.7	10	N/A		BF	2,041.00	
23	07:15	4,142.86	2.86	70	70.6	-24	-20.0	10	N/A		BF	1,877.00	
24	08:30	4,404.76	2.88	69	70.8	-23	-19.9	10	N/A		DW	1,872.00	
25	08:35	4,095.24	2.83	69	70.9	-23	-19.8	10	N/A		DW	2,118.00	
26	07:15	3,785.71	2.83	70	71.6	-23	-19.6	10	N/A		BF	2,069.00	
27	07:15	4,047.62	2.81	70	72.2	-23	-19.3	10	N/A		BF	2,041.00	
28	07:15	4,119.05	2.86	70	70.3	-24	-20.1	10	N/A		BF	1,871.00	
29	07:15	4,142.86	3.14	70	70.4	-23	-19.1	10	N/A		BF	2,060.00	
30													
31													

Kansas Ethanol #5 02/2024

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	60.40	02/07/2024	7.73	02/07/2024	330.0	02/07/2024	02/12/2024		
2	59.70	02/14/2024	7.68	02/14/2024	310.0	02/14/2024	02/16/2024		
3	61.40	02/21/2024	7.83	02/21/2024	315.0	02/21/2024	02/26/2024		
4	57.40	02/28/2024	7.81	02/28/2024	320.0	02/28/2024	03/05/2024		
5									

No monthly injectate samples required.

Kansas Ethanol #5 02/2024

Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/07/2024
Kansas Lab Certificate Number E-10152
Lab Name SDK Laboratories (Hutchinson)

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Calcium	307.000	mg/l
Iron	1.350	mg/l
Magnesium	57.000	mg/l
Sulfate	267.000	mg/l
Total Alkalinity as CaCO3	760.000	mg/l
Total Dissolved Solids	2,050.000	mg/l
Total Hardness as CaCO3	1,001.000	mg/l