Facility Well Name Koch Fertilizer #3 **UIC Permit #** KS-01-057-002 **Month** April **Year** 2024

Submitted 05/28/2024 **Approved** 05/30/2024 **KOLAR Document ID** 1779627

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 23

Barrels per Day Maximum: 20,143

			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	7,025	4.56	148	133	-24.7	-22.9	0
Monthly Maximum	12,617	10.17	156	152	-24.0	-21.5	0
Monthly Minimum	0	0.00	139	124	-26.0	-24.3	0
Monthly Total	210,760						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
156.00	126.00	-9.69	-26.00

Comments:

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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	11:30	9,414.88	7.43	145	130.0	-25	-22.2	17		0	JM		
2	10:09	8,899.29	6.86	145	127.0	-25	-23.2	17		0	AH		
3	11:15	9,306.86	7.55	142	128.0	-26	-24.3	16		0	JA		
4	15:21	10,925.00	9.48	141	127.0	-25	-21.5	16		0	JA		
5	11:30	12,356.90	8.81	150	134.0	-25	-22.4	18		0	JA		
6	12:10	12,616.93	8.07	150	132.0	-25	-22.1	17		0	JA		
7	13:30	9,438.29	0.00	145	127.0	-24	-23.1	17		0	JP		
8	10:20	2,720.17	0.00	152	136.0	-24	-23.4	17		0	JP		
9	10:00	0.00	0.00	154	138.0	-24	-23.5	17		0	JP		
10	14:20	0.00	0.00	156	138.0	-24	-23.3	17		0	JP		
11	09:36	0.00	0.00	154	138.0	-24	-23.6	17		0	AH		
12	09:04	0.00	0.00	153	138.0	-25	-23.5	17		0	AH		
13	08:50	0.00	0.00	151	139.0	-25	-23.3	19		0	JA		
14	08:38	0.00	0.00	151	138.0	-25	-23.3	19		0	JA		
15	08:53	0.00	0.00	155	138.0	-25	-23.2	19		0	SF		
16	09:06	8,931.50	5.79	145	127.0	-25	-22.7	19		0	AH		
17	09:03	9,539.64	6.10	146	128.0	-25	-23.0	17		0	SF		
18	09:15	9,666.95	7.19	148	124.0	-25	-23.1	17		0	SF		
19	10:27	10,483.10	7.05	142	128.0	-25	-22.9	16		0	JA		
20	10:27	10,385.50	5.74	141	126.0	-25	-23.3	16		0	JA		
21	11:05	9,761.71	8.05	146	130.0	-25	-22.8	16		0	JA		
22	11:10	10,735.81	8.71	149	130.0	-25	-22.2	16		0	JA		
23	12:00	6,458.64	0.00	150	134.0	-25	-22.6	17		0	CS		
24	09:35	6,379.14	6.12	142	127.0	-25	-22.5	15		0	CS		
25	10:15	11,039.43	10.17	139	152.0	-24	-21.8	17		0	CS		
26	10:10	10,782.64	6.31	152	136.0	-24	-22.0	17		0	CS		
27	08:58	9,054.52	5.19	145	130.0	-24	-22.9	17		0	AH		
28	09:27	9,448.10	5.52	143	131.0	-24	-23.1	17		0	AH		
29	09:01	8,610.31	6.79	145	129.0	-25	-23.1	16		0	JA		
30	09:00	3,804.38	0.00	151	139.0	-25	-23.1	18		0	JA		
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Weekly Injectate Samples

Kansas Lab Certificate Number E-10116

Week	Temperature		pH		Chloride			Nitrate	Orthophosphate
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed	mg/l	mg/l
1	84.50	04/01/2024	8.06	04/01/2024	288.0	04/01/2024	04/03/2024	71.80000	0.88000
2	88.80	04/08/2024	7.19	04/08/2024	422.0	04/08/2024	04/09/2024	79.90000	1.70000
3	86.90	04/15/2024	7.15	04/15/2024	363.0	04/15/2024	04/18/2024	86.00000	1.30000
4	83.20	04/22/2024	8.23	04/22/2024	313.0	04/22/2024	04/26/2024	56.40000	1.20000
5	88.80	04/29/2024	7.42	04/22/2024	413.0	04/29/2024	05/13/2024	268.00000	1.70000

Monthly Injectate Samples

Date Sample Collected 04/01/2024

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Chromium	0.0390	mg/l

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 04/01/2024
Kansas Lab Certificate Number E-10116
Lab Name Pace Analytical-Lenexa

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

Constituent	Value	Units
Calcium	365.000	mg/l
Conductivity	5.610	Mmhos
Iron	0.517	mg/l
Magnesium	116.000	mg/l
Sodium	593.000	mg/l
Specific Gravity	1.000	N/A
Sulfate	1,800.000	mg/l
Total Alkalinity as CaCO3	495.000	mg/l
Total Dissolved Solids	1,680.000	mg/l
Total Hardness as CaCO3	1,390.000	mg/l
Zinc	0.413	mg/l