Facility Well Name Koch Fertilizer #2 **UIC Permit #** KS-01-057-001 **Month** February **Year** 2024

Submitted 03/28/2024 **Approved** 03/29/2024 **KOLAR Document ID** 1770239

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	7,713	5.44	185	186	-24.9	-22.2	0
Monthly Maximum	12,859	9.19	200	196	-9.0	-8.0	0
Monthly Minimum	0	0.00	160	169	-28.0	-25.4	0
Monthly Total	223,685						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
214.80	96.60	-6.60	-28.00

Comments:

Koch Fertilizer #2 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		
1	10:00	0.00	0.00	190	189.0	-16	-15.5	22		0	TA		
2	10:30	0.00	0.00	192	191.0	-14	-12.4	21		0	AS		
3	10:40	0.00	0.00	192	191.0	-11	-9.8	21		0	AS		
4	10:25	0.00	0.00	194	192.0	-9	-8.0	21		0	AS		
5	13:50	74.17	8.43	181	179.0	-25	-24.9	21		0	AS		
6	13:10	11,219.48	6.33	170	169.0	-26	-25.4	20		0	AS		
7	08:59	11,930.64	8.00	170	186.0	-26	-24.9	21		0	AH		
8	08:30	11,805.43	7.14	181	183.0	-28	-24.7	21		0	JA		
9	08:31	11,521.07	8.21	180	187.0	-28	-24.6	21		0	AH		
10	08:49	11,478.64	8.21	180	186.0	-28	-24.8	21		0	AH		
11	09:30	11,606.67	8.69	170	182.0	-28	-24.5	21		0	SF		
12	09:30	12,859.07	9.19	160	181.0	-28	-24.9	21		0	SF		
13	09:00	3,536.21	0.00	190	180.0	-26	-23.2	21		0	SF		
14	15:45	0.00	0.00	190	189.0	-25	-19.0	21		0	SF		
15	10:30	473.05	7.33	179	175.0	-28	-24.8	21		0	JA		
16	14:38	11,435.48	8.40	180	179.0	-28	-25.1	21		0	JA		
17	10:35	11,230.60	8.38	181	181.0	-28	-24.9	22		0	JA		
18	09:15	12,165.02	7.95	187	185.0	-26	-24.6	21		0	TA		
19	09:15	11,989.93	7.43	189	188.0	-26	-24.4	21		0	AS		
20	09:35	12,697.55	7.60	192	190.0	-26	-24.7	21		0	AS		
21	10:05	11,982.24	8.19	193	192.0	-26	-24.7	21		0	AS		
22	10:35	12,610.62	8.33	192	190.0	-26	-24.6	21		0	AS		
23	08:37	11,844.57	7.26	180	184.0	-28	-25.2	21		0	AH		
24	09:15	11,806.02	8.43	190	189.0	-28	-24.9	21		0	JA		
25	10:04	12,793.81	7.19	200	196.0	-28	-24.6	22		0	AH		
26	08:23	12,278.64	7.12	200	195.0	-28	-24.5	22		0	AH		
27	09:20	2,132.00	0.00	190	194.0	-27	-22.0	21		0	SF		
28	09:45	2,213.79	0.00	190	189.0	-26	-20.0	21		0	SF		
29	11:00	0.00	0.00	180	188.0	-25	-17.1	21		0	SF		
30													
31													

Koch Fertilizer #2 02/2024

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	88.70	02/05/2024	6.69	02/05/2024	262.0	02/05/2024	02/09/2024	89.50000	1.10000
2	89.40	02/12/2024	6.83	02/12/2024	285.0	02/12/2024	02/13/2024	43.00000	1.10000
3	91.70	02/19/2024	6.44	02/19/2024	263.0	02/19/2024	02/21/2024	73.90000	0.78000
4	92.80	02/26/2024	6.88	02/26/2024	254.0	02/26/2024	03/04/2024	35.30000	0.67000
5									

Monthly Injectate Samples

Date Sample Collected 02/05/2024

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Chromium	0.0286	mg/l

Koch Fertilizer #2 02/2024

Quarterly Injectate Samples

Quarter 1
Date Sample Collected 01/02/2024
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	368.000	mg/l
Conductivity	52.000	Mmhos
Iron	0.149	mg/l
Magnesium	0.114	mg/l
Sodium	0.575	mg/l
Specific Gravity	1.010	N/A
Sulfate	1,680.000	mg/l
Total Alkalinity as CaCO3	103.000	mg/l
Total Dissolved Solids	3,610.000	mg/l
Total Hardness as CaCO3	1,390.000	mg/l
Zinc	0.634	mg/l