Facility Well Name Evonik #1 **UIC Permit #** KS-01-173-002 **Month** December **Year** 2023

Submitted 01/26/2024 **Approved** 02/01/2024 **KOLAR Document ID** 1748663

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 12,690

			Annulus Pressure psig min 100		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	2,258	1.54	159	156	-4.9	-5.2	
Monthly Maximum	2,774	2.26	162	160	-1.0	-2.4	
Monthly Minimum	1,718	0.00	152	148	-12.0	-12.0	
Monthly Total	70,000						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
163.68	145.94	-1.44	-12.88

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	09:48	2,245.67	2.24	160	158.3	-5	-4.9	39			BE		
2	08:30	2,000.14	0.00	160	158.1	-6	-2.5	40			DF		
3	10:00	2,163.52	2.07	160	157.8	-4	-4.1	40			AH		
4	08:18	1,805.83	0.00	160	157.5	-1	-12.0	39			BE		
5	08:24	2,272.60	2.00	162	158.7	-4	-3.5	39			BE		
6	07:35	1,968.21	2.19	156	153.9	-5	-4.5	39			BE		
7	08:21	2,588.26	2.05	162	158.9	-4	-3.7	39			BE		
8	09:07	2,648.57	2.10	159	156.5	-4	-3.9	40			BE		
9	04:54	1,948.81	2.00	162	159.8	-4	-3.5	40			CM		
10	07:38	2,581.48	1.95	158	154.5	-4	-3.3	40			CM		
11	07:15	2,250.10	1.95	159	156.4	-3	-3.5	39			RI		
12	07:05	2,031.74	1.83	160	156.5	-11	-11.4	39			RI		
13	06:35	2,079.55	1.95	160	156.1	-11	-11.9	39			RI		
14	06:20	2,401.17	2.00	156	153.7	-2	-2.5	39			RI		
15	06:35	2,743.29	2.26	152	148.2	-3	-3.6	39			RI		
16	08:48	2,773.52	1.86	162	158.8	-3	-3.1	39			AH		
17	09:15	2,127.38	1.86	160	157.0	-3	-3.2	39			AH		
18	05:57	1,764.98	0.00	160	156.8	-11	-11.7	39			RI		
19	06:14	2,241.50	1.81	159	156.2	-2	-2.4	39			RI		
20	06:17	2,142.00	1.76	160	157.9	-2	-2.4	39			RI		
21	06:20	2,418.05	1.79	162	159.2	-2	-2.4	39			RI		
22	08:53	2,679.60	0.00	154	153.1	-12	-11.7	39			CM		
23	04:45	1,717.98	0.00	156	160.0	-10	-10.8	39			CM		
24	05:57	2,443.14	2.17	160	158.3	-5	-4.9	39			CM		
25	04:50	2,628.43	0.00	158	154.5	-4	-4.3	39			CM		
26	06:26	2,301.95	2.05	160	156.5	-3	-3.3	39			RI		
27	06:12	2,316.24	2.05	158	155.8	-3	-3.1	39			RI		
28	06:27	2,123.10	0.00	158	155.5	-11	-11.2	39			RI		
29	06:55	2,090.05	1.95	158	155.1	-3	-2.9	39			RI		
30	07:00	2,334.52	1.95	160	154.8	-3	-3.2	39			JB		
31	06:45	2,169.05	1.83	160	156.3	-3	-2.8	39			JB		

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Weekly Injectate Samples

Kansas Lab Certificate Number E-92301

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	72.50	12/04/2023	10.85	12/04/2023					
2	74.10	12/13/2023	10.16	12/13/2023					
3	66.80	12/20/2023	11.06	12/20/2023					
4	64.40	12/27/2023	10.91	12/27/2023					
5									

Monthly Injectate Samples

Date Sample Collected 12/06/2023

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	0.267	mg/l
Acrylonitrile	0.000	mg/l
Benzene	0.000	mg/l
Chloride	286.000	mg/l
Nickel	0.000	mg/l

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Quarterly Injectate Samples

Quarter 3
Date Sample Collected 10/12/2023
Kansas Lab Certificate Number E-10378
Lab Name Meridian Analytical

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

Constituent	Value	Units
3 (N,N-Dimethylamino Propionitrile)	82.800	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	0.000	mg/l
Dicyclohexylamine	1.380	mg/l
N (3 Aminopropyl) Cyclohexylamine	0.000	mg/l
N,N-Dimethylcyclohexylamine	155.000	mg/l
N-Methyldicyclohexylamine	17.600	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	25.300	mg/l
Sulfate	16.100	mg/l