Facility Well Name Evonik #3 **UIC Permit #** KS-01-173-001 **Month** August **Year** 2023

Submitted 09/26/2023 **Approved** 09/29/2023 **KOLAR Document ID** 1730813

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 27

Barrels per Day Maximum: 12,690

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 100 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	349	0.15	163	157	-12.4	-12.9	
Monthly Maximum	1,163	2.36	175	169	2.0	1.0	
Monthly Minimum	0	0.00	148	139	-14.0	-14.7	
Monthly Total	10,832						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
170.37	140.02	2.76	-14.84

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	08:18	0.00	0.00	155	148.5	-14	-12.5	5			BE		
2	08:15	0.00	0.00	158	149.3	-14	-12.5	5			BE		
3	11:47	0.00	0.00	160	151.7	-14	-12.3	5			BE		
4	07:19	0.00	0.00	160	153.8	-14	-12.5	5			RI		
5	09:00	166.19	0.00	161	154.1	-14	-13.1	5			VM		
6	07:52	380.95	0.00	155	156.5	-14	-14.3	5			VM		
7	10:47	0.48	0.00	171	165.8	-14	-14.4	5			BE		
8	08:09	83.43	0.00	172	168.5	-14	-14.6	5			BE		
9	11:26	1,061.90	2.36	168	159.0	2	0.7	5			BE		
10	08:25	208.76	0.00	156	148.4	-14	-14.6	5			BE		
11	08:16	70.29	0.00	150	142.5	-14	-14.7	5			BE		
12	07:20	44.95	0.00	148	138.7	-14	-14.6	5			AHG		
13	06:55	69.52	0.00	150	139.5	-14	-14.6	5			AHG		
14	08:09	121.33	0.00	150	142.8	-13	-14.2	5			BE		
15	07:49	64.00	0.00	160	151.7	-14	-14.5	5			BE		
16	08:08	619.05	0.00	165	157.5	-13	-13.9	5			BE		
17	08:09	1,162.67	0.00	170	163.9	-12	-13.5	5			RI		
18	08:09	316.57	0.00	165	156.8	-13	-14.2	5			BE		
19	06:24	499.05	0.00	165	158.1	-12	-13.4	5			SD		
20	05:45	747.62	0.00	160	150.4	-13	-13.6	5			SD		
21	06:59	818.86	0.00	162	155.9	-12	-13.3	5			RI		
22	07:10	760.00	0.00	163	156.8	-12	-13.3	5			RI		
23	08:14	1,036.38	2.19	165	157.1	2	1.0	5			BE		
24	08:22	613.33	0.00	172	167.0	-12	-13.3	5			BE		
25	08:07	490.86	0.00	171	164.2	-13	-13.6	5			BE		
26	07:10	826.10	0.00	172	165.8	-13	-13.7	5			AHG		
27	06:35	59.24	0.00	172	166.9	-14	-14.5	5			AHG		
28	08:03	39.43	0.00	172	167.4	-14	-14.6	5			BE		
29	07:40	161.71	0.00	171	164.0	-13	-14.1	5			BE		
30	08:17	207.62	0.00	175	169.3	-13	-14.2	11			BE		
31	07:43	202.10		170	163.5	-13	-14.0	10			BE		

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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	89.80	08/01/2023	10.25	07/05/2023					
2	77.20	08/09/2023	10.54	07/12/2023					
3	79.00	08/17/2023	11.20	07/20/2023					
4	93.80	08/23/2023	10.85	07/26/2023					
5	84.90	08/30/2023	11.13	08/30/2023					

Monthly Injectate Samples

Date Sample Collected 08/09/2023

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	ND	mg/l
Acrylonitrile	ND	mg/l
Benzene	ND	mg/l
Chloride	18.900	mg/l
Nickel	0.012	mg/l

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Quarterly Injectate Samples

Quarter 3
Date Sample Collected 07/07/2023
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)	33.200	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	14.600	mg/l
Dicyclohexylamine	0.762	mg/l
N (3 Aminopropyl) Cyclohexylamine	124.000	mg/l
N,N-Dimethylcyclohexylamine	15.000	mg/l
N-Methyldicyclohexylamine	0.000	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	0.000	mg/l
Sulfate	5.370	mg/l