Facility Well Name Evonik #1 **UIC Permit #** KS-01-173-002 **Month** December **Year** 2021

Submitted 01/28/2022 **Approved** 01/28/2022 **KOLAR Document ID** 1614364

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	1,760	1.18	160	154	-4.0	-4.1	
Monthly Maximum	2,915	1.76	168	161	2.0	1.7	
Monthly Minimum	810	0.00	156	150	-12.0	-11.8	
Monthly Total	54,572						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
162.02	148.26	3.25	-13.25

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	07:29	1,107.00	0.00	160	154.0	-10	-10.0	39			BE		
2	11:33	1,951.17	1.24	162	155.3	-3	-2.8	39			BE		
3	08:25	1,458.71	1.14	160	153.5	-3	-2.2	39			BE		
4	07:07	1,542.57	1.14	158	151.4	-2	-2.3	39			AG		
5	06:30	1,560.67	1.14	158	151.0	-2	-1.9	39			AG		
6	08:16	1,734.86	1.21	160	153.7	-3	-2.7	39			BE		
7	09:25	1,704.64	1.10	160	154.2	-2	-2.1	39			BE		
8	14:16	2,065.93	1.24	168	161.3	-1	-0.5	39			BE		
9	09:43	1,448.90	1.31	164	156.4	2	1.7	39			BE		
10	08:18	1,695.69	1.33	162	154.2	1	0.9	39			BE		
11	08:41	1,879.81	1.38	158	155.3	0	-0.1	39			BB		
12	14:08	2,287.24	1.33	160	155.5	0	-2.1	39			BB		
13	09:17	1,534.98	1.31	161	154.4	1	1.0	39			BE		
14	08:23	1,694.67	1.26	160	152.5	1	0.8	39			BE		
15	09:34	1,612.36	0.00	160	152.2	-12	-11.8	39			BE		
16	07:43	1,409.76	1.05	160	153.0	-2	-2.4	39			BE		
17	08:58	1,658.10	1.05	160	154.6	-2	-2.4	39			RI		
18	11:00	1,661.90	1.02	160	156.3	-3	-2.7	39			RI		
19	11:15	1,573.90	1.05	160	153.4	-3	-3.5	39			JD		
20	08:35	954.71	1.26	162	156.1	-1	-1.1	39			BE		
21	09:03	810.38	0.00	164	155.9	-10	-10.5	39			BE		
22	09:05	1,940.07	1.48	162	154.2	-7	-7.4	39			RI		
23	06:30	2,077.14	1.76	156	150.3	-9	-8.9	39			AG		
24	06:55	2,196.86	1.62	156	150.3	-8	-8.4	39			AG		
25	14:46	2,914.62	1.67	156	156.6	-9	-8.8	39			SD		
26	11:55	1,916.43	1.24	160	152.1	-8	-9.1	39			CR		
27	08:24	1,731.93	1.38	158	151.9	-7	-6.8	39			BE		
28	09:37	2,150.55	1.36	160	152.8	-6	-6.1	39			BE		
29	09:30	2,015.33	1.48	160	152.1	-5	-5.7	39			RI		
30	12:05	2,523.29	1.64	160	154.5	-6	-5.7	39			RI		
31	07:55	1,757.81	1.40	162	154.9	-4	-4.3	39			BE		

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	76.50	12/01/2021	10.42	12/01/2021					
2	69.20	12/08/2021	11.47	12/08/2021					
3	81.10	12/15/2021	10.74	12/15/2021					
4	66.10	12/20/2021	10.88	12/20/2021					
5	82.10	12/28/2021	10.19	12/28/2021					

Monthly Injectate Samples

Date Sample Collected 12/01/2021
Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	0.000	mg/l
Acrylonitrile	0.000	mg/l
Benzene	0.000	mg/l
Chloride	86.100	mg/l
Nickel	0.000	mg/l

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Quarterly Injectate Samples

Quarter 4
Date Sample Collected 11/08/2021
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)	379.000	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	0.000	mg/l
Dicyclohexylamine	1.940	mg/l
N,N-Dimethylcyclohexylamine	22.900	mg/l
N-Methyldicyclohexylamine	70.200	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	4.780	mg/l
Sulfate	70.000	mg/l