Facility Well Name Evonik #1 **UIC Permit #** KS-01-173-002 **Month** July **Year** 2022

Submitted 08/27/2022 **Approved** 08/31/2022 **KOLAR Document ID** 1662358

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	1,224	0.88	159	153	-3.7	-3.5	
Monthly Maximum	1,864	1.26	166	160	-2.0	-1.5	
Monthly Minimum	35	0.00	148	145	-13.0	-9.9	
Monthly Total	37,928						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
164.06	144.61	1.79	-12.12

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	05:46	1,277.50	0.88	160	153.5	-3	-2.8	41			CS		
2	08:03	815.74	0.00	160	149.8	-9	-7.3	41			CS		
3	10:40	35.24	1.26	148	149.4	-2	-1.5	41			CM		
4	06:13	1,045.26	0.74	158	156.4	-4	-3.1	41			CM		
5	05:45	992.98	0.69	160	156.8	-3	-3.2	40			CS		
6	05:34	860.98	0.00	160	151.9	-9	-5.0	40			CS		
7	06:50	1,277.21	0.79	160	151.2	-2	-2.2	42			CS		
8	05:44	1,183.45	0.74	160	158.4	-2	-2.0	40			CS		
9	03:00	937.50	0.93	154	160.2	-3	-3.0	40			ZB		
10	10:18	1,136.43	1.14	160	157.7	-3	-3.2	40			CS		
11	08:15	1,154.50	0.83	160	153.3	-2	-2.5	41			CS		
12	05:48	1,077.57	0.88	160	154.5	-2	-2.6	40			CS		
13	09:25	1,466.38	0.95	160	157.9	-2	-2.3	41			CS		
14	08:32	728.29	0.00	160	155.0	-13	-9.9	41			CS		
15	09:43	1,450.45	1.14	160	148.1	-8	-4.7	41			BE		
16	07:05	1,447.10	1.02	160	154.2	-2	-3.2	41			CS		
17	07:06	1,501.38	1.10	160	155.8	-4	-4.4	41			CS		
18	09:21	1,794.24	1.02	155	151.1	-4	-3.8	41			BE		
19	09:45	1,396.21	0.95	160	152.6	-3	-3.6	41			CS		
20	09:20	1,375.07	1.00	160	152.9	-3	-3.8	41			CS		
21	08:30	1,341.29	1.14	160	150.7	-2	-2.8	42			CS		
22	09:23	1,389.79	1.00	160	149.9	-4	-3.9	42			CS		
23	02:00	1,864.00	1.02	160	154.8	-4	-3.6	42			TB		
24	12:00	1,207.69	1.02	158	155.1	-3	-2.8	42			TB		
25	08:23	1,098.60	1.00	160	148.1	-3	-3.3	41			BE		
26	08:22	1,380.93	0.95	159	149.5	-3	-3.2	41			BE		
27	09:42	1,189.17	0.98	160	149.7	-3	-3.3	41			CS		
28	08:55	1,265.29	1.14	160	145.2	-3	-2.9	41			CS		
29	06:56	1,412.98	0.98	166	152.5	-3	-3.1	41			CS		
30	09:15	1,425.55	0.93	160	150.2	-2	-2.7	40			DF		
31	11:15	1,399.62	0.95	158	152.2	-2	-2.4	40			DF		

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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	93.70	07/05/2022	10.30	07/05/2022					
2	88.50	07/14/2022	10.30	07/14/2022					
3	97.70	07/22/2022	9.90	07/22/2022					
4	92.30	07/29/2022	10.70	07/29/2022					
5									

Monthly Injectate Samples

Date Sample Collected 08/04/2022

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	0.180	mg/l
Acrylonitrile	0.000	mg/l
Benzene	0.000	mg/l
Chloride	91.600	mg/l
Nickel	0.103	mg/l

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Quarterly Injectate Samples

Quarter 3
Date Sample Collected 07/01/2022
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)	15.100	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	0.000	mg/l
Dicyclohexylamine	0.290	mg/l
N (3 Aminopropyl) Cyclohexylamine	0.000	mg/l
N,N-Dimethylcyclohexylamine	2,160.000	mg/l
N-Methyldicyclohexylamine	24.900	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	4.960	mg/l
Sulfate	11.500	mg/l