Facility Well Name Evonik #1 **UIC Permit #** KS-01-173-002 **Month** July **Year** 2020

Submitted 08/17/2020 **Approved** 08/18/2020 **KOLAR Document ID** 1526806

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	1,581	1.18	161	153	-1.4	-1.5	
Monthly Maximum	2,423	2.07	170	160	4.0	4.6	
Monthly Minimum	969	0.00	155	146	-10.0	-10.1	
Monthly Total	48,999						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
164.68	143.14	4.98	-12.33

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	08:21	1,229.38	0.81	166	158.0	0	0.5	41			BE		
2	05:50	969.14	0.76	170	159.9	0	0.7	39			RI		
3	06:00	1,195.24	0.76	166	158.0	0	0.7	39			DV		
4	07:30	1,683.10	0.93	166	150.0	0	-0.5	39			CS		
5	07:00	1,261.40	0.81	167	153.0	0	-0.2	39			CS		
6	07:58	1,295.07	0.95	160	152.9	0	-0.4	41			BE		
7	08:22	1,293.79	0.98	160	151.3	0	-0.4	40			BE		
8	07:41	1,303.36	1.12	160	151.7	0	-0.2	40			BE		
9	07:46	1,054.14	1.45	158	149.0	4	4.6	40			BE		
10	08:11	1,761.14	1.45	158	147.4	-1	-0.3	39			BE		
11	08:00	1,535.71	1.45	158	147.6	-1	-2.4	39			DV		
12	06:00	1,376.24	1.43	158	147.4	-1	-2.4	37			DV		
13	07:53	1,547.88	0.95	162	154.2	0	-0.1	41			BE		
14	07:27	1,442.38	1.33	162	153.4	-1	-1.2	41			BE		
15	07:10	1,016.24	0.00	160	151.5	-10	-10.1	39			BE		
16	09:20	1,327.79	0.00	160	156.7	-10	-9.9	39			RI		
17	06:20	1,577.10	1.40	164	155.0	-5	-5.3	39			RI		
18	07:40	1,494.57	1.36	158	157.1	0	-1.7	40			BB		
19	07:20	1,689.98	1.31	160	157.5	-1	-2.1	40			BB		
20	08:01	1,926.62	1.48	166	156.8	-2	-2.2	42			BE		
21	07:35	1,676.88	1.64	160	150.8	-1	-0.6	39			BE		
22	08:21	2,134.71	1.40	160	151.7	-3	-3.0	41			BE		
23	08:17	1,689.48	1.00	164	155.1	-1	-0.6	41			BE		
24	08:01	1,740.50	1.29	162	153.5	-1	-0.9	41			BE		
25	08:30	1,674.74	1.17	164	154.6	0	-0.5	41			BE		
26	07:30	1,746.31	1.29	160	149.5	-2	-2.2	41			VS		
27	07:56	1,877.57	1.60	155	146.0	-2	-2.3	10			BE		
28	08:05	1,878.26	1.36	158	150.0	-2	-1.5	41			BE		
29	07:55	1,785.90	1.29	156	147.2	-1	-1.4	40			BE		
30	08:21	2,392.02	2.07	156	149.0	-2	-1.1	40			BE		
31	07:15	2,422.52	1.71	160	153.2	0	0.5	40			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	101.40	07/01/2020	10.11	07/01/2020					
2	98.60	07/08/2020	10.53	07/08/2020					
3	92.30	07/15/2020	10.00	07/15/2020					
4	96.20	07/23/2020	9.82	07/23/2020					
5	80.30	07/29/2020	10.79	07/29/2020					

Monthly Injectate Samples

Date Sample Collected 07/01/2020

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acrylonitrile	0.000	mg/l
Benzene	0.000	mg/l
Chloride	34.300	mg/l
Nickel	0.016	mg/l
Toluene	0.000	mg/l

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Quarterly Injectate Samples

Quarter 3
Date Sample Collected 07/06/2020
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)	2.080	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	7.670	mg/l
Dicyclohexylamine	1.580	mg/l
N,N-Dimethylcyclohexylamine	65.200	mg/l
N-Methyldicyclohexylamine	27.700	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	4.220	mg/l
Sulfate	8.400	mg/l