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

Submitted 07/10/2020 **Approved** 07/13/2020 **KOLAR Document ID** 1523322

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	1,154	0.78	169	162	-1.0	-0.9	
Monthly Maximum	1,914	1.48	180	175	2.0	2.2	
Monthly Minimum	0	0.00	160	152	-11.0	-11.3	
Monthly Total	34,628						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
183.52	150.51	5.58	-11.89

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	07:40	1,228.90	0.98	174	167.3	0	-0.3	41			BE		
2	07:07	1,046.57	0.00	174	164.3	-11	-11.3	40			BE		
3	07:15	1,284.71	0.79	178	173.8	0	0.6	42			BE		
4	07:38	1,316.81	0.81	179	174.7	0	0.6	42			BE		
5	07:38	1,176.95	0.88	180	171.6	0	-0.2	42			BE		
6	07:40	1,385.36	0.83	180	174.6	0	-0.2	42			RA		
7	07:00	1,162.98	1.00	180	171.0	0	-0.2	41			RI		
8	07:54	1,313.64	0.00	176	169.0	-10	-10.5	41			BE		
9	07:07	0.95	0.00	174	159.6	-7	-6.8	40			BE		
10	08:05	0.48	0.00	162	153.3	-1	-1.0	39			BE		
11	08:10	25.95	1.48	160	152.1	-1	-1.1	39			BE		
12	07:51	866.14	1.14	164	159.7	0	0.1	40			BE		
13	08:00	1,834.29	0.95	175	164.0	0	0.0	41			TB		
14	08:00	1,606.71	0.95	172	164.6	0	0.2	42			TB		
15	09:25	1,414.26	0.00	174	165.2	-1	-0.7	39			CRR		
16	08:45	885.50	0.64	160	159.5	1	2.2	21			CD		
17	06:00	1,037.83	0.69	160	164.2	0	0.5	39			CD		
18	00:00	1,211.33	0.88	165	162.0	0	0.3	41			TB		
19	05:55	1,246.12	1.31	164	156.6	2	2.0	39			RI		
20	07:45	1,913.81	0.95	164	154.7	-1	-0.6	41			CS		
21	06:20	1,267.98	0.83	165	159.7	0	-0.3	41			CS		
22	07:34	1,424.55	1.00	160	154.0	0	-0.4	39			BE		
23	07:41	1,386.52	1.10	162	156.7	-1	-1.3	41			BE		
24	07:24	1,311.14	0.93	164	155.6	0	0.2	41			BE		
25	07:33	1,266.81	0.88	166	157.8	0	0.4	41			BE		
26	05:50	1,195.98	0.93	165	158.2	0	0.2	39			RI		
27	10:30	1,469.43	0.93	165	155.6	0	0.2	38			JN		
28	06:30	1,055.14	0.95	165	153.4	0	0.5	38			JN		
29	07:45	1,154.24	0.83	164	156.6	0	-0.1	41			BE		
30	07:27	1,137.00	0.83	164	157.2	0	0.5	41			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	99.68		10.03						
2	92.48	06/09/2020	9.85	06/09/2020					
3	99.70	06/15/2020	10.75	06/15/2020					
4	101.90	06/24/2020	10.15	06/24/2020					
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Monthly Injectate Samples

Date Sample Collected 06/02/2020

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acrylonitrile	0.000	mg/l
Benzene	0.006	mg/l
Chloride	105.000	mg/l
Nickel	0.000	mg/l
Toluene	0.000	mg/l

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 06/04/2020
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)	0.000	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	22.500	mg/l
Dicyclohexylamine	3.530	mg/l
N,N-Dimethylcyclohexylamine	86.500	mg/l
N-Methyldicyclohexylamine	37.800	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	0.710	mg/l
Sulfate	138.000	mg/l