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

Submitted 03/19/2021 **Approved** 03/19/2021 **KOLAR Document ID** 1564872

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

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	2,158	1.46	167	160	-3.0	-3.1	
Monthly Maximum	3,205	2.17	180	165	-1.0	-0.7	
Monthly Minimum	1,242	0.00	161	156	-10.0	-11.6	
Monthly Total	60,417						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
170.61	155.13	5.42	-12.17

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	08:12	1,738.29	1.48	166	158.9	-3	-2.5	39			BE		
2	08:16	1,835.19	1.19	170	163.4	-1	-0.9	39			BE		
3	07:34	1,585.90	1.26	170	162.7	-1	-0.8	39			BE		
4	07:40	1,242.43	0.00	168	161.0	-9	-9.0	39			BE		
5	08:25	2,046.88	1.19	166	161.2	-1	-0.8	39			BE		
6	07:50	1,790.14	1.24	166	158.8	-1	-0.7	39			ZB		
7	09:30	2,042.57	1.31	166	160.1	-1	-1.3	39			BP		
8	08:12	1,914.71	1.40	164	157.3	-2	-2.3	42			BE		
9	07:55	1,987.95	1.43	161	158.2	-2	-1.9	42			BE		
10	08:11	2,016.90	1.52	161	158.2	-2	-2.0	42			BE		
11	08:32	2,010.33	1.36	164	158.0	-2	-1.9	42			BE		
12	08:30	2,110.17	1.50	164	155.7	-1	-0.9	42			BE		
13	11:50	2,548.02	0.00	167	157.1	-10	-11.6	42			CD		
14	12:00	2,681.14	1.76	180	157.0	-4	-4.0	41			CD		
15	07:53	1,708.76	1.81	162	158.1	-3	-2.8	42			BE		
16	08:50	2,459.71	1.71	164	158.3	-4	-4.3	42			BE		
17	08:18	2,147.05	1.71	164	161.0	-4	-3.8	42			BE		
18	09:33	2,326.40	1.69	164	157.8	-4	-4.2	42			BE		
19	07:48	2,048.86	1.69	167	159.8	-4	-4.0	42			BE		
20	07:52	2,292.05	1.79	164	157.7	-3	-3.3	42			BP		
21	07:30	2,658.95	2.17	165	157.1	-4	-4.0	42			BP		
22	08:07	3,204.62	1.76	164	159.8	-4	-3.8	39			BE		
23	07:59	2,481.52	1.83	168	161.9	-2	-1.8	39			BE		
24	10:21	2,682.31	1.62	170	165.0	-4	-3.4	39			BE		
25	07:15	2,079.64	1.55	170	163.8	-2	-2.1	39			BE		
26	06:35	2,256.43	1.64	168	161.6	-3	-2.9	39			RI		
27	06:37	2,319.64	1.55	170	164.3	-2	-2.3	39			CM		
28	06:00	2,200.24	1.62	170	163.5	-2	-2.5	39			CM		
29													
30													
31													

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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	76.80	02/02/2021	11.01	02/02/2021					
2	74.90	02/10/2021	11.10	02/10/2021					
3	71.70	02/19/2021	10.31	02/19/2021					
4	75.30	02/25/2021	10.62	02/25/2021					
5									

Monthly Injectate Samples

Date Sample Collected 02/03/2021

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	0.926	mg/l
Acrylonitrile	0.000	mg/l
Benzene	0.158	mg/l
Chloride	16.000	mg/l
Nickel	0.018	mg/l

Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/03/2021
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)	3.090	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	0.000	mg/l
Dicyclohexylamine	0.000	mg/l
N,N-Dimethylcyclohexylamine	11.400	mg/l
N-Methyldicyclohexylamine	38.800	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	0.000	mg/l
Sulfate	43.400	mg/l