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

Submitted 07/21/2021 **Approved** 07/23/2021 **KOLAR Document ID** 1583171

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

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	1,702	1.22	170	163	-1.3	-1.6	
Monthly Maximum	3,069	2.14	180	176	2.0	2.0	
Monthly Minimum	0	0.00	158	150	-10.0	-10.5	
Monthly Total	51,067						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
177.36	145.76	5.31	-10.84

Comments:

Deepwell was blocked in on 6/1/2021 for modified fall off test.

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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	07:58	2,754.00	0.00	166	158.3	-10	-10.5	40			BE		
2	08:02	0.00	0.00	166	157.3	-10	-9.8	39			BE		
3	08:04	1,311.64	1.31	174	166.2	-1	-0.9	41			BE		
4	08:17	2,193.31	1.45	174	166.6	0	-0.1	41			BE		
5	08:30	2,087.98	1.00	180	170.4	0	-0.1	41			CD		
6	05:45	1,254.79	1.17	175	169.5	0	-0.8	41			BP		
7	08:11	1,683.00	1.24	176	168.3	-1	-1.0	42			BE		
8	08:07	1,719.17	1.17	176	167.8	-1	-0.9	42			BE		
9	09:18	1,694.00	1.21	178	169.0	-2	-1.7	41			BE		
10	07:50	1,477.83	1.10	178	170.6	-1	-1.0	41			RI		
11	08:35	1,677.90	1.12	178	168.2	-1	-1.6	41			RI		
12	08:20	1,725.55	1.71	175	176.0	-1	-3.2	41			JN		
13	05:30	2,225.33	1.07	174	166.0	-2	-1.5	41			CM		
14	08:10	1,842.36	1.17	162	164.8	-1	-1.4	41			RI		
15	07:20	1,502.19	1.10	174	165.8	-1	-1.1	41			RI		
16	07:20	1,656.79	1.31	172	162.9	-2	-1.9	41			RI		
17	07:36	1,535.74	1.10	172	164.4	-1	-1.5	41			RI		
18	08:00	1,621.33	1.38	172	163.4	-2	-2.4	41			RI		
19	06:15	1,445.67	1.14	170	164.1	0	-1.0	41			BP		
20	06:00	1,601.24	1.14	172	164.8	-1	-1.2	41			BP		
21	09:21	1,907.07	1.74	158	150.5	-2	-2.4	39			BE		
22	08:00	1,925.45	1.45	164	155.3	-2	-2.2	40			BE		
23	10:20	1,846.07	1.24	166	159.3	-1	-1.1	41			BE		
24	08:37	1,556.26	1.14	170	161.0	-1	-0.4	41			BE		
25	07:52	1,471.79	1.05	172	163.6	0	0.0	42			BE		
26	07:30	1,792.50	1.95	160	151.0	2	2.0	40			CM		
27	06:45	2,113.48	1.38	164	155.2	0	-1.1	40			AHG		
28	08:21	1,820.36	1.12	164	156.1	-1	-1.2	41			BE		
29	07:30	555.43	1.57	159	152.7	2	1.8	40			BE		
30	11:15	3,068.71	2.14	158	150.2	2	1.3	39			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	70.70	06/02/2021	11.19	06/02/2021					
2	101.90	06/08/2021	10.44	06/08/2021					
3	100.60	06/16/2021	10.54	06/16/2021					
4	98.10	06/22/2021	10.71	06/22/2021					
5									

Monthly Injectate Samples

Date Sample Collected 06/02/2021

Kansas Lab Certificate Number 10116

Constituent	Value	Units
Acetone	0.000	mg/l
Acrylonitrile	0.000	mg/l
Benzene	0.000	mg/l
Chloride	52.000	mg/l
Nickel	0.020	mg/l

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 06/04/2021
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)	30.400	mg/l
Aniline	0.000	mg/l
Cyclohexylamine	5.790	mg/l
Dicyclohexylamine	2.030	mg/l
N,N-Dimethylcyclohexylamine	106.000	mg/l
N-Methyldicyclohexylamine	217.000	mg/l
O-Toluidine	0.000	mg/l
Pentamethyldipropylene-triamine	63.600	mg/l
Sulfate	23.700	mg/l