Facility Well Name Northern (Bushton) #1 **UIC Permit #** KS-01-159-003 **Month** June **Year** 2023

Submitted 07/24/2023 **Approved** 07/28/2023 **KOLAR Document ID** 1723116

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 3,840

			Annulus Pressure psig min 60		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	94	0.07	130	130	-28.0	-25.5	0
Monthly Maximum	231	1.07	135	134	-28.0	-25.2	0
Monthly Minimum	0	0.00	125	125	-28.0	-26.0	0
Monthly Total	2,816						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
135.70	122.20	-25.10	-25.80

Comments:

Northern (Bushton) #1 06/2023

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	16:15	152.52	0.00	131	129.6	-28	-25.5	5	N	0	DJ		
2	06:02	75.05	0.00	129	125.6	-28	-25.7	4	N	0	RB		
3	06:03	185.69	0.00	127	125.2	-28	-25.3	4	N	0	RB		
4	08:58	141.62	0.00	128	127.6	-28	-25.6	4	N	0	RB		
5	15:00	150.74	0.00	135	132.8	-28	-25.4	4	N	0	MU		
6	16:00	87.69	0.00	135	133.5	-28	-25.3	4	N	0	MU		
7	12:00	75.26	0.00	134	132.6	-28	-25.4	4	N	0	MU		
8	08:07	75.10	0.00	133	130.4	-28	-25.4	4	N	0	MU		
9	08:30	74.36	0.00	134	131.7	-28	-25.5	4	N	0	DR		
10	17:00	231.26	0.00	130	131.9	-28	-25.2	4	N	0	DR		
11	09:28	77.02	0.00	128	127.7	-28	-25.5	4	N	0	LM		
12	16:00	74.60	0.00	133	132.0	-28	-25.5	4	N	0	GA		
13	08:55	74.64	0.00	130	128.9	-28	-25.5	5	N	0	AJR		
14	06:10	74.67	0.00	130	128.9	-28	-25.4	4	N	0	RB		
15	06:15	119.17	1.07	127	126.9	-28	-25.4	4	N	0	RB		
16	12:37	126.43	0.00	131	130.0	-28	-25.6	4	N	0	DJ		
17	09:12	156.07	0.00	126	124.8	-28	-25.6	4	N	0	DJ		
18	11:30	74.95	0.00	130	129.9	-28	-25.4	6	N	0	DJ		
19	13:54	169.36	0.00	128	127.6	-28	-25.5	6	N	0	LM		
20	12:05	66.29	0.00	128	128.1	-28	-25.6	6	N	0	LM		
21	12:37	169.55	0.00	125	127.1	-28	-25.6	6	N	0	LM		
22	11:29	75.14	0.00	130	130.6	-28	-25.7	6	N	0	LM		
23	14:00	74.00	0.00	125	131.0	-28	-25.5	6	N	0	MU		
24	08:00	72.52	0.00	125	130.8	-28	-25.6	6	N	0	MU		
25	09:00	0.00	0.00	131	131.0	-28	-26.0	6	N	0	AJR		
26	08:12	0.00	0.00	133	131.0	-28	-25.6	7	N	0	DJ		
27	10:07	13.76	0.00	131	131.0	-28	-25.5	7	N	0	DJ		
28	08:05	71.24	0.00	128	127.8	-28	-25.3	7	N	0	DJ		
29	15:15	8.43	1.07	131	131.3	-28	-25.4	7	N	0	DJ		
30	06:10	68.76	0.00	131	131.4	-28	-25.5	4	N	0	RB		
31									N	0			

Northern (Bushton) #1 06/2023

Weekly Injectate Samples

Kansas Lab Certificate Number

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	71.00	06/06/2023	6.47	06/06/2023	N/A				
2	69.00	06/14/2023	7.17	06/14/2023	N/A				
3	71.00	06/19/2023	6.82	06/19/2023	N/A				
4	71.00	06/26/2023	6.89	06/26/2023	N/A				
5					N/A				

No monthly injectate samples required.

Northern (Bushton) #1 06/2023

Quarterly Injectate Samples

Quarter 2
Date Sample Collected 05/22/2023
Kansas Lab Certificate Number E-10146
Lab Name Pace Analytical-Salina

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Calcium	43.200	mg/l
Chloride	311.000	mg/l
Conductivity	1.350	Mmhos
Diethanolamine	914.000	mg/l
Iron	7.570	mg/l
Magnesium	10.000	mg/l
Sulfate	10.200	mg/l
Total Alkalinity as CaCO3	204.000	mg/l
Total Dissolved Solids	756.000	mg/l
Total Hardness as CaCO3	149.000	mg/l