Facility Well Name Pioneer #2 **UIC Permit #** KS-01-077-001 **Month** March **Year** 2023

Submitted 04/25/2023 **Approved** 04/28/2023 **KOLAR Document ID** 1711071

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 5

Barrels per Day Maximum: 1,000

			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	3	0.00	76	76	-6.3	-6.5	0
Monthly Maximum	42	0.05	81	81	-1.0	-1.3	0
Monthly Minimum	0	0.00	70	71	-11.0	-11.1	0
Monthly Total	106						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
81.39	67.23	-0.04	-13.41

Comments:

Pioneer #2 03/2023

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	14:00	41.76	0.05	76	77.0	-2	-2.0	16		0	KS		
2	14:00	0.00	0.00	77	77.7	-3	-3.1	16		0	KS		
3	14:00	0.00	0.00	79	79.2	-3	-3.6	16		0	KS		
4	14:00	0.00	0.00	78	78.2	-5	-5.1	16		0	KS		
5	14:00	0.00	0.00	78	78.1	-6	-2.2	16		0	KS		
6	14:00	27.10	0.02	76	76.2	-8	-8.6	16		0	KS		
7	14:00	0.00	0.00	70	70.5	-11	-11.1	16		0	MB		
8	14:00	2.62	0.00	74	74.9	-10	-10.6	16		0	MB		
9	14:00	0.00	0.00	76	76.4	-11	-11.0	16		0	MB		
10	14:00	0.00	0.00	74	74.8	-1	-1.3	16		0	MB		
11	14:00	25.86	0.02	76	76.5	-10	-10.7	16		0	MB		
12	14:00	8.64	0.00	75	75.8	-4	-4.1	16		0	MB		
13	14:00	0.00	0.00	76	76.5	-10	-10.7	16		0	MB		
14	14:00	0.00	0.00	76	76.1	-5	-5.3	16		0	MB		
15	14:00	0.00	0.00	78	78.6	-5	-5.4	16		0	MB		
16	14:00	0.00	0.00	73	73.8	-6	-6.3	16		0	MB		
17	14:00	0.00	0.00	75	75.3	-6	-6.3	16		0	KS		
18	14:00	0.00	0.00	73	72.9	-7	-6.8	16		0	KS		
19	14:00	0.00	0.00	74	74.1	-7	-6.5	16		0	KS		
20	14:00	0.00	0.00	77	76.9	-6	-6.3	16		0	KS		
21	14:00	0.00	0.00	79	78.9	-6	-6.1	16		0	KS		
22	14:00	0.00	0.00	81	80.9	-6	-5.6	16		0	KS		
23	14:00	0.00	0.00	80	80.9	-6	-6.6	16		0	KS		
24	14:00	0.00	0.00	76	76.2	-6	-6.2	16		0	KS		
25	14:00	0.00	0.00	76	76.1	-7	-7.1	16		0	KS		
26	14:00	0.00	0.00	75	75.1	-6	-6.8	16		0	KS		
27	14:00	0.00	0.00	73	73.4	-6	-6.6	16		0	KS		
28	14:00	0.00	0.00	73	73.4	-6	-6.8	16		0	KS		
29	14:00	0.00	0.00	73	74.0	-7	-7.4	16		0	KS		
30	14:00	0.00	0.00	74	74.2	-7	-7.3	16		0	KS		
31	14:00	0.00	0.00	75	75.1	-6	-6.9	16		0	KS		

Pioneer #2 03/2023

Weekly Injectate Samples

Kansas Lab Certificate Number E-10152

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	46.00	03/02/2023	7.60	03/02/2023	260.0	03/02/2023	03/09/2023		
2	48.00	03/09/2023	7.70	03/09/2023	275.0	03/09/2023	03/14/2023		
3	56.00	03/16/2023	7.70	03/16/2023	135.0	03/16/2023	03/22/2023		
4	50.00	03/23/2023	7.60	03/23/2023	310.0	03/23/2023	03/28/2023		
5	51.00	03/30/2023	7.70	03/30/2023	325.0	03/30/2023	04/05/2023		

No monthly injectate samples required.

Pioneer #2 03/2023

Quarterly Injectate Samples

Quarter 1
Date Sample Collected 03/07/2023
Kansas Lab Certificate Number E-10152
Lab Name SDK Laboratories (Hutchinson)

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

Constituent	Value	Units
Benzene	0.000	mg/l
Calcium	100.000	mg/l
Conductivity	7.690	Mmhos
Iron	17.000	mg/l
Magnesium	-0.050	mg/l
Sulfate	510.000	mg/l
Total Alkalinity as CaCO3	268.000	mg/l
Total Dissolved Solids	281.000	mg/l
Total Hardness as CaCO3	853.000	mg/l