Facility Well Name Pioneer #2 **UIC Permit #** KS-01-077-001 **Month** March **Year** 2022

Submitted 04/28/2022 **Approved** 05/02/2022 **KOLAR Document ID** 1641363

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

Barrels per Day Maximum: 1,000

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 60 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	62	0.05	81	81	-25.4	-25.8	0
Monthly Maximum	191	0.14	91	91	-13.0	-13.6	0
Monthly Minimum	0	0.00	75	75	-27.0	-27.5	0
Monthly Total	1,932						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
93.09	72.17	-8.59	-27.87

Comments:

Pioneer #2 03/2022

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	79.55	0.05	91	91.1	-27	-27.4	18		0	MB		
2	14:00	74.45	0.05	88	87.8	-27	-27.3	18		0	KS		
3	14:00	71.29	0.05	86	86.2	-27	-26.9	18		0	KS		
4	14:00	69.36	0.05	85	84.8	-26	-26.4	18		0	KS		
5	14:00	68.79	0.05	83	83.4	-26	-26.5	18		0	KS		
6	14:00	67.55	0.05	80	80.1	-27	-26.8	18		0	KS		
7	14:00	59.45	0.05	78	78.0	-27	-27.5	18		0	MB		
8	14:00	41.79	0.02	80	80.4	-27	-27.2	18		0	MB		
9	14:00	47.69	0.02	80	81.0	-26	-26.1	18		0	DR		
10	14:00	53.71	0.05	75	75.3	-24	-24.1	18		0	DR		
11	14:00	48.69	0.02	78	78.2	-26	-26.5	18		0	SA		
12	14:00	24.12	0.02	80	80.1	-27	-27.4	18		0	SA		
13	14:00	69.83	0.05	83	83.1	-27	-27.4	18		0	SA		
14	14:00	89.90	0.07	82	82.9	-27	-27.2	18		0	SA		
15	14:00	53.07	0.05	81	81.8	-26	-26.9	18		0	MB		
16	14:00	56.67	0.05	86	86.7	-26	-26.8	18		0	MB		
17	14:00	89.67	0.07	81	81.6	-13	-13.6	18		0	MB		
18	14:00	56.43	0.05	79	79.4	-26	-26.6	18		0	MB		
19	14:00	0.00	0.00	85	85.2	-25	-25.3	18		0	MB		
20	14:00	0.00	0.00	87	87.6	-24	-24.1	18		0	MB		
21	14:00	72.02	0.05	77	77.0	-26	-26.1	18		0	MB		
22	14:00	190.76	0.14	76	76.0	-26	-26.1	18		0	DR		
23	14:00	2.17	0.00	77	77.4	-24	-24.7	18		0	DR		
24	14:00	64.24	0.05	78	78.7	-23	-23.0	18		0	DR		
25	14:00	96.40	0.07	77	77.9	-27	-27.5	18		0	DR		
26	14:00	87.48	0.07	78	78.5	-27	-27.4	18		0	KS		
27	14:00	74.00	0.05	79	79.0	-27	-27.4	18		0	KS		
28	14:00	60.10	0.05	79	80.0	-27	-27.3	18		0	DR		
29	14:00	91.55	0.07	87	87.3	-26	-26.4	18		0	DR		
30	14:00	25.33	0.02	78	78.5	-22	-23.0	18		0	DR		
31	14:00	45.93	0.02	76	76.6	-22	-23.0	18		0	DR		

Pioneer #2 03/2022

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	57.00	03/03/2022	8.00	03/03/2022	800.0	03/03/2022	03/07/2022		
2	55.00	03/10/2022	7.70	03/10/2022	780.0	03/10/2022	03/14/2022		
3	55.00	03/17/2022	7.80	03/17/2022	810.0	03/17/2022	03/21/2022		
4	53.00	03/24/2022	7.90	03/24/2022	820.0	03/24/2022	03/25/2022		
5									

No monthly injectate samples required.

Pioneer #2 03/2022

Quarterly Injectate Samples

Quarter 1
Date Sample Collected 03/18/2022
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	117.000	mg/l
Conductivity	890.000	Mmhos
Iron	0.023	mg/l
Magnesium	8.090	mg/l
Sulfate	17.500	mg/l
Total Alkalinity as CaCO3	264.000	mg/l
Total Dissolved Solids	520.000	mg/l
Total Hardness as CaCO3	325.000	mg/l