Facility Well Name Pioneer #2 **UIC Permit #** KS-01-077-001 **Month** June **Year** 2020

Submitted 07/24/2020 **Approved** 07/29/2020 **KOLAR Document ID** 1524802

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	184	0.13	93	93	-26.6	-26.8	0
Monthly Maximum	279	0.19	95	96	-26.0	-26.1	0
Monthly Minimum	53	0.05	86	86	-27.0	-27.4	0
Monthly Total	5,534						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
97.74	81.50	-14.18	-27.78

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	14:00	170.14	0.12	92	92.3	-27	-27.1	17		0	MS		
2	14:00	139.71	0.10	92	92.3	-26	-26.6	17		0	MB		
3	14:00	164.90	0.12	94	94.1	-27	-27.0	17		0	MB		
4	14:00	187.90	0.12	95	95.7	-26	-26.8	17		0	MB		
5	14:00	169.90	0.12	95	95.4	-26	-26.9	17		0	MB		
6	14:00	224.50	0.17	95	95.1	-27	-27.0	17		0	MB		
7	14:00	193.64	0.14	93	93.9	-26	-26.4	17		0	MB		
8	14:00	215.19	0.14	94	94.4	-26	-26.4	17		0	MB		
9	14:00	53.31	0.05	92	91.6	-27	-26.8	17		0	KS		
10	14:00	278.69	0.19	89	88.8	-27	-27.3	17		0	KS		
11	14:00	244.55	0.17	91	90.9	-27	-27.1	17		0	KS		
12	14:00	217.62	0.14	92	92.1	-27	-27.2	17		0	KS		
13	14:00	219.93	0.14	93	93.4	-27	-27.4	17		0	KS		
14	14:00	250.24	0.17	94	94.1	-27	-26.9	17		0	KS		
15	14:00	208.50	0.14	93	93.2	-27	-27.2	17		0	MB		
16	14:00	216.26	0.14	94	93.8	-26	-26.6	17		0	MS		
17	14:00	240.24	0.17	93	93.1	-27	-27.1	17		0	MS		
18	14:00	211.88	0.14	94	94.2	-27	-26.6	17		0	MS		
19	14:00	198.81	0.14	86	85.7	-26	-26.1	17		0	MS		
20	14:00	102.76	0.07	91	91.4	-26	-26.2	17		0	MS		
21	14:00	148.74	0.10	92	92.4	-27	-26.6	17		0	MS		
22	14:00	141.26	0.10	92	92.0	-27	-27.0	17		0	MS		
23	14:00	166.62	0.12	90	90.4	-27	-27.2	17		0	MB		
24	14:00	194.95	0.14	92	92.9	-27	-27.0	17		0	MB		
25	14:00	172.50	0.12	92	92.8	-26	-26.9	17		0	MB		
26	14:00	188.40	0.12	93	93.3	-26	-26.8	17		0	MB		
27	14:00	159.64	0.12	93	93.8	-26	-26.8	17		0	MB		
28	14:00	165.69	0.12	92	92.4	-26	-26.5	17		0	MB		
29	14:00	146.95	0.10	93	93.0	-26	-26.1	17		0	MB		
30	14:00	140.86	0.10	95	94.6	-27	-26.8	17		0	KS		
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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	68.00	06/04/2020	7.90	06/04/2020	660.0	06/04/2020	06/08/2020		
2	62.00	06/11/2020	7.80	06/11/2020	700.0	06/11/2020	06/15/2020		
3	76.00	06/18/2020	7.80	06/18/2020	680.0	06/18/2020	06/24/2020		
4	68.00	06/25/2020	7.90	06/25/2020	740.0	06/25/2020	06/29/2020		
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No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 06/08/2020
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	490.000	mg/l
Conductivity	3,870.000	Mmhos
Iron	0.240	mg/l
Magnesium	35.200	mg/l
Sulfate	1,280.000	mg/l
Total Alkalinity as CaCO3	94.000	mg/l
Total Dissolved Solids	2,950.000	mg/l
Total Hardness as CaCO3	1,368.000	mg/l