Facility Well Name Pioneer #3 **UIC Permit #** KS-01-077-002 **Month** April **Year** 2019

Submitted 06/13/2019 **Approved** 06/18/2019 **KOLAR Document ID** 1463054

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	182	0.13	81	81	-24.0	-23.8	0
Monthly Maximum	306	0.21	86	86	-15.0	-13.3	0
Monthly Minimum	5	0.00	74	74	-28.0	-27.7	0
Monthly Total	5,473						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
87.99	22.41	-10.37	-27.96

Comments:

PLEASE NOTE: The minimum annulus pressure recorded of 22.41 psig occurred while the transmitter was blocked in during the cleaning of the seal pot sight glass. The small leak on the tubing to the transmitter was also repaired. The annulus pressure was not affected, the minimum annulus pressure recorded other than the 22.41 was 77.34 psig.

Pioneer #3 04/2019

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	165.43	0.12	78	77.9	-27	-27.7	19		0	MB		
2	14:00	227.60	0.17	75	75.6	-27	-27.1	18		0	SA		
3	14:00	195.55	0.14	77	77.8	-27	-27.4	18		0	SA		
4	14:00	223.33	0.17	77	76.8	-17	-15.9	18		0	SA		
5	14:00	188.12	0.12	76	76.3	-27	-27.3	18		0	SA		
6	14:00	142.33	0.10	75	74.3	-27	-27.4	18		0	SA		
7	14:00	190.55	0.14	74	74.2	-17	-15.9	18		0	SA		
8	14:00	211.40	0.14	81	81.6	-26	-27.1	18		0	SA		
9	14:00	200.71	0.14	84	83.1	-28	-27.2	18		0	MB		
10	14:00	4.90	0.00	85	84.3	-27	-26.5	18		0	MB		
11	14:00	203.17	0.14	78	78.0	-15	-13.3	16		0	MB		
12	14:00	306.36	0.21	82	81.8	-23	-27.4	16		0	MB		
13	14:00	124.21	0.10	81	81.1	-28	-27.6	16		0	MB		
14	14:00	244.60	0.17	85	85.6	-28	-27.2	16		0	MB		
15	14:00	207.95	0.14	85	84.7	-18	-16.8	16		0	MB		
16	14:00	181.21	0.12	84	84.7	-18	-16.6	16		0	KS		
17	14:00	179.60	0.12	85	85.7	-27	-26.9	16		0	KS		
18	14:00	138.48	0.10	83	82.9	-27	-27.1	16		0	MB		
19	14:00	158.33	0.12	84	84.2	-27	-27.6	16		0	KS		
20	14:00	199.76	0.14	86	85.7	-18	-16.4	16		0	KS		
21	14:00	224.60	0.17	85	85.3	-27	-27.0	16		0	KS		
22	14:00	192.95	0.14	84	84.0	-17	-15.1	16		0	KS		
23	14:00	147.95	0.10	81	81.5	-27	-27.3	15		0	SA		
24	14:00	151.55	0.10	80	82.5	-18	-16.2	15		0	SA		
25	14:00	222.19	0.14	80	80.3	-27	-27.4	15		0	SA		
26	14:00	162.36	0.12	82	83.6	-27	-27.4	15		0	MB		
27	14:00	231.50	0.17	82	82.1	-27	-27.0	15		0	SA		
28	14:00	158.74	0.12	85	82.2	-16	-14.5	15		0	SA		
29	14:00	175.05	0.12	83	83.2	-27	-27.3	15		0	SA		
30	14:00	112.90	0.07	80	80.5	-28	-27.1	14		0	KS		
31													

Pioneer #3 04/2019

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	60.00	04/04/2019	7.90	04/04/2019	850.0	04/04/2019	04/09/2019		
2	45.00	04/11/2019	7.90	04/11/2019	940.0	04/11/2019	04/17/2019		
3	61.00	04/18/2019	7.90	04/18/2019	760.0	04/18/2019	04/22/2019		
4	64.00	04/25/2019	7.80	04/25/2019	760.0	04/25/2019	04/30/2019		
5									

No monthly injectate samples required.