Facility Well Name ONEOK (Bushton) #5 **UIC Permit #** KS-01-053-004 **Month** May **Year** 2020

Submitted 06/26/2020 **Approved** 06/29/2020 **KOLAR Document ID** 1521444

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 30,952

			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	7,957	5.59	77	76	-23.8	-24.2	0
Monthly Maximum	13,747	9.55	80	80	3.0	3.3	0
Monthly Minimum	0	0.00	74	74	-28.0	-27.9	0
Monthly Total	246,655						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
85.49	72.82	-25.75	-28.06

Comments:

4.30.20 - Testing injection pressure transmitter then well out of service for MIT Testing 5.1.20 - 5.4.20. The minimum injection pressure data submitted in the report has been verified. The minor differential is due to brief seconds of delay in the priorities on the communication system.

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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	06:44	0.00	0.00	80	80.2	0	-7.8	12		0	CK		
2	07:47	1,109.76	0.76	79	79.0	3	3.3	12		0	CK		
3	06:38	0.00	0.00	79	78.7	-5	-4.6	12		0	CK		
4	07:05	0.00	0.00	79	79.1	-5	-4.5	12		0	CK		
5	06:28	1,708.19	1.19	75	75.1	-27	-27.8	12		0	CK		
6	06:32	3,163.43	2.19	75	75.6	-27	-27.7	12		0	CK		
7	05:38	3,466.81	2.40	76	75.6	-28	-27.5	12		0	LS		
8	06:00	2,955.62	2.05	74	74.7	-27	-27.7	12		0	LS		
9	06:22	2,778.38	1.93	77	76.3	-27	-27.8	12		0	TS		
10	07:00	4,220.81	2.93	77	76.6	-27	-27.9	12		0	LS		
11	05:50	4,106.81	4.76	78	77.7	-27	-27.9	12		0	LS		
12	06:15	4,202.38	2.93	77	76.3	-27	-27.6	12		0	LS		
13	06:30	3,951.57	2.74	78	77.6	-27	-27.0	12		0	LS		
14	06:10	3,701.07	2.57	78	79.7	-27	-26.8	12		0	JE		
15	06:23	3,759.50	2.62	80	80.4	-27	-26.8	12		0	JE		
16	06:11	5,969.31	4.14	79	78.3	-28	-27.0	12		0	JE		
17	06:13	13,668.19	9.50	77	76.3	-27	-27.1	12		0	JE		
18	05:52	13,744.19	9.55	75	75.1	-27	-27.3	12		0	JE		
19	05:54	13,746.50	9.55	75	75.1	-27	-27.1	12		0	JE		
20	06:04	13,674.76	9.50	75	75.1	-27	-27.1	12		0	JE		
21	06:12	13,443.12	9.33	77	76.7	-27	-27.0	12		0	LS		
22	06:27	13,326.50	9.26	77	76.1	-27	-26.9	12		0	LS		
23	05:38	12,971.12	9.00	75	74.4	-27	-27.0	12		0	LS		
24	06:02	13,240.76	9.19	78	77.8	-27	-26.9	12		0	LS		
25	07:13	13,259.76	9.21	76	75.5	-27	-27.0	12		0	LS		
26	05:22	13,258.43	9.21	75	74.6	-27	-27.0	12		0	LS		
27	05:57	13,400.69	9.31	75	74.6	-27	-27.1	12		0	LS		
28	06:29	13,454.93	9.33	76	75.6	-27	-27.2	12		0	TS		
29	06:38	13,495.26	9.38	74	73.6	-27	-27.4	12		0	CK		
30	06:02	13,452.62	9.33	74	74.1	-27	-27.3	12		0	TS		
31	06:29	13,424.38	9.33	75	75.0	-27	-27.2	12		0	CK		

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Weekly Injectate Samples

Kansas Lab Certificate Number E-10146

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	68.80	05/01/2020	6.21	05/03/2020	188,000.0	05/01/2020	05/11/2020		
2	59.10	05/10/2020	7.68	05/10/2020	3,740.0	05/10/2020	05/27/2020		
3	61.40	05/17/2020	6.72	05/17/2020	149,000.0	05/17/2020	06/01/2020		
4	65.00	05/24/2020	6.35	05/24/2020	139,000.0	05/24/2020	06/04/2020		

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 05/27/2020
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
Benzene	0.001	mg/l
Calcium	1,590.000	mg/l
Conductivity	220,000.000	Mmhos
Iron	ND	mg/l
Magnesium	1,010.000	mg/l
Sulfate	3,580.000	mg/l
Total Alkalinity as CaCO3	174.000	mg/l
Total Dissolved Solids	262,000.000	mg/l
Total Hardness as CaCO3	4,390.000	mg/l