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

Submitted 03/12/2020 **Approved** 03/16/2020 **KOLAR Document ID** 1509806

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

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	16,589	11.60	80	81	-27.9	-29.0	0
Monthly Maximum	17,548	13.00	90	91	-26.0	-26.0	0
Monthly Minimum	15,453	10.74	74	75	-29.0	-29.5	0
Monthly Total	481,088						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
95.09	73.92	-16.98	-29.60

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	06:20	15,452.62	10.74	79	79.4	-28	-29.4	13		0	JI		
2	06:26	15,549.19	10.81	82	81.9	-28	-29.4	13		0	WW		
3	06:10	15,452.62	13.00	82	82.8	-28	-29.4	13		0	WW		
4	05:38	15,496.57	10.76	80	81.9	-28	-29.4	13		0	JI		
5	05:48	17,547.69	12.19	82	82.6	-27	-28.4	13		0	WW		
6	06:22	17,539.38	12.19	82	83.3	-28	-29.5	12		0	CK		
7	05:21	16,951.26	11.76	85	85.9	-28	-29.3	12		0	HM		
8	05:57	16,925.76	11.76	83	84.3	-28	-29.4	12		0	TS		
9	05:38	17,247.88	11.98	85	86.5	-28	-29.3	12		0	HM		
10	05:43	17,186.57	11.93	82	83.6	-28	-29.2	12		0	DL		
11	05:43	16,930.93	11.76	84	85.5	-28	-29.4	12		0	HM		
12	05:43	16,884.95	11.71	84	85.3	-28	-29.3	12		0	DL		
13	05:27	16,932.57	11.76	85	86.3	-28	-29.3	12		0	DL		
14	06:05	16,911.26	11.74	86	87.1	-28	-29.5	12		0	DL		
15	06:01	16,850.55	11.69	90	91.4	-28	-29.4	12		0	DR		
16	05:45	16,854.83	11.71	79	78.6	-28	-29.4	12		0	DR		
17	05:33	16,832.38	11.69	80	80.2	-28	-29.4	12		0	DL		
18	05:41	16,752.33	11.64	79	78.7	-28	-29.4	12		0	DL		
19	05:39	16,695.74	11.60	79	78.2	-28	-29.4	12		0	DL		
20	05:41	16,661.81	11.57	74	75.6	-28	-28.3	12		0	DL		
21	05:33	16,066.10	11.17	76	75.6	-26	-27.3	12		0	DL		
22	05:44	16,533.95	11.48	78	77.8	-28	-28.9	12		0	TS		
23	05:30	16,560.48	11.50	80	79.6	-28	-29.1	12		0	KJ		
24	05:18	16,573.74	11.50	79	79.2	-28	-29.4	12		0	DL		
25	05:37	16,492.50	11.45	79	79.4	-29	-29.4	12		0	DL		
26	05:45	16,438.57	11.40	75	75.4	-29	-29.3	12		0	DL		
27	07:30	16,456.19	11.43	75	75.9	-28	-27.2	12		0	WW		
28	05:32	16,469.33	11.43	74	75.9	-28	-27.5	11		0	DL		
29	06:18	15,840.33	11.00	76	77.1	-27	-26.0	12		0	WW		
30													
31													

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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	61.50	02/02/2020	6.84	02/02/2020	137,000.0	02/02/2020	02/08/2020		
2	57.70	02/09/2020	6.57	02/09/2020	144,000.0	02/09/2020	02/15/2020		
3	61.70	02/16/2020	6.62	02/16/2020	237,000.0	02/16/2020	02/22/2020		
4	55.20	02/23/2020	6.46	02/23/2020	135,000.0	02/23/2020	02/29/2020		
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/11/2020
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	982.000	mg/l
Conductivity	219,000.000	Mmhos
Iron	0.434	mg/l
Magnesium	98.800	mg/l
Sulfate	3,770.000	mg/l
Total Alkalinity as CaCO3	189.000	mg/l
Total Dissolved Solids	214,000.000	mg/l
Total Hardness as CaCO3	2,860.000	mg/l