Facility Well Name Redbarn #1 **UIC Permit #** KS-01-009-001 **Month** November **Year** 2019

Submitted 01/06/2020 **Approved** 01/09/2020 **KOLAR Document ID** 1487069

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 25

Barrels per Day Maximum: 35,714

			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	1,258	8.75	101	102	-16.4	-19.2	
Monthly Maximum	1,725	12.45	120	119	-8.0	-13.0	
Monthly Minimum	0	0.00	80	85	-20.0	-23.3	
Monthly Total	37,754						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
122.78	81.06	-24.70	-1.24

Comments:

had missing sample reports due to lab computer system. Now we have these so I am turning in. We did not run several days due to fall off test prep and filter cleaning.

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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	10:00	1,669.40	9.29	115	116.3	-19	-21.1	32	N/A		NR		
2	10:00	1,635.98	11.21	115	117.6	-16	-17.3	32	N/A		NR		
3	11:00	1,636.76	11.67	110	111.3	-16	-17.3	32	N/A		NR		
4	15:00	0.00	0.00	120	119.2	-19	-22.9	33	N/A		NR		
5	08:00	0.00	0.00	100	98.7	-8	-13.0	33	N/A		NR		
6	08:30	1,703.43	9.21	100	103.4	-14	-17.3	32	N/A		NR		
7	10:00	1,422.21	12.45	100	102.8	-17	-19.7	32	N/A		NR		
8	15:00	1,695.24	10.19	100	103.5	-19	-22.1	32	N/A		NR		
9	11:00	1,528.57	9.79	100	101.2	-16	-19.4	32	N/A		NR		
10	15:00	1,662.43	9.81	95	97.4	-16	-18.2	32	N/A		NR		
11	10:30	1,695.24	11.83	90	91.7	-17	-18.7	32	N/A		NR		
12	08:00	1,392.83	9.93	80	85.1	-19	-20.8	32	N/A		NR		
13	11:00	1,565.07	9.90	100	99.9	-20	-22.4	32	N/A		NR		
14	15:00	1,398.90	9.81	100	98.6	-19	-19.0	32	N/A		NR		
15	12:00	1,672.48	12.12	100	96.6	-19	-23.0	32	N/A		NR		
16	11:00	1,089.40	9.60	95	97.6	-16	-19.3	32	N/A		NR		
17	10:00	1,368.24	9.81	95	96.3	-16	-17.2	32	N/A		NR		
18	09:00	1,160.83	11.67	95	94.8	-20	-22.5	32	N/A		NR		
19	11:00	1,606.05	9.29	110	112.0	-16	-18.6	32	N/A		NR		
20	10:30	1,370.36	11.33	105	107.1	-19	-22.3	32	N/A		NR		
21	11:00	1,606.05	9.57	100	102.1	-16	-19.3	32	N/A		NR		
22	12:30	1,458.19	9.45	100	98.9	-19	-23.3	32	N/A		NR		
23	10:00	1,372.48	11.95	100	103.2	-14	-17.3	32	N/A		NR		
24	12:00	1,537.55	11.86	100	102.2	-14	-16.4	32	N/A		NR		
25	09:00	0.00	0.00	110	110.9	-16	-21.8	32	N/A		NR		
26	15:00	0.00	0.00	100	97.3	-19	-22.6	32	N/A		NR		
27	08:30	0.00	0.00	90	87.5	-12	-14.0	32	N/A		NR		
28	11:00	1,404.02	9.90	100	102.5	-15	-17.0	31	N/A		NR		
29	13:00	1,377.43	11.71	100	103.2	-14	-17.4	31	N/A		NR		
30	15:00	1,724.83	9.14	100	101.1	-12	-14.0	31	N/A		NR		
31													

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Weekly Injectate Samples

Kansas Lab Certificate Number

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1									
2	78.16	11/13/2019	7.05	11/13/2019	790.0	11/13/2019	11/25/2019		
3	71.18	11/20/2019	7.00	11/20/2019	678.0	11/20/2019	11/25/2019		
4									
5									

No monthly injectate samples required.