Facility Well Name Redbarn #1 **UIC Permit #** KS-01-009-001 **Month** March **Year** 2020

Submitted 05/11/2020 **Approved** 05/13/2020 **KOLAR Document ID** 1515448

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 27

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	1,389	8.05	104	105	-12.8	-14.9	0
Monthly Maximum	3,571	11.95	110	113	-7.0	-9.0	0
Monthly Minimum	0	0.00	95	96	-16.0	-18.4	0
Monthly Total	43,045						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
117.38	92.34	-5.23	-20.30

Comments:

no quarterly due to shipping mix up. Quarterly will be with april report. Emailed Carrie and Ken.

Redbarn #1 03/2020

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	1,372.71	9.98	100	103.2	-14	-16.7	33	N/A	0	NR		
2	13:00	1,684.38	11.95	100	103.2	-16	-18.4	33	N/A	0	NR		
3	15:00	515.43	10.69	110	111.2	-12	-14.3	33	N/A	0	NR		
4	10:00	2,360.38	7.43	110	107.1	-14	-16.3	33	N/A	0	NR		
5	08:00	2,086.79	8.33	110	108.2	-12	-13.3	33	N/A	0	NR		
6	08:30	1,166.43	8.12	105	106.4	-12	-13.4	34	N/A	0	NR		
7	11:00	1,616.45	9.48	105	106.2	-14	-17.2	34	N/A	0	NR		
8	10:00	1,303.17	9.57	105	106.7	-13	-17.3	34	N/A	0	NR		
9	15:00	1,463.48	9.79	105	107.6	-14	-15.3	34	N/A	0	NR		
10	10:30	1,585.14	9.29	105	107.2	-12	-13.3	34	N/A	0	NR		
11	09:00	11.12	9.93	110	111.2	-12	-14.5	34	N/A	0	NR		
12	15:00	46.40	9.98	110	112.4	-14	-16.3	34	N/A	0	NR		
13	11:00	23.81	7.40	110	110.1	-14	-17.7	34	N/A	0	NR		
14	09:00	588.55	9.29	110	112.2	-12	-13.4	33	N/A	0	NR		
15	09:00	574.60	9.57	110	112.2	-13	-15.2	33	N/A	0	NR		
16	10:00	1,016.12	9.21	110	112.6	-15	-16.7	33	N/A	0	NR		
17	02:00	2,140.93	9.79	100	101.3	-14	-16.8	33	N/A	0	NR		
18	11:00	2,793.33	9.12	105	105.7	-14	-16.7	33	N/A	0	NR		
19	10:00	2,238.24	9.05	105	107.2	-13	-14.1	33	N/A	0	NR		
20	09:30	826.21	9.57	105	107.0	-12	-13.3	33	N/A	0	NR		
21	11:00	2,381.12	9.71	105	106.2	-12	-15.3	32	N/A	0	NR		
22	10:00	3,571.19	8.79	105	106.7	-13	-14.5	32	N/A	0	NR		
23	09:00	3,022.57	9.50	95	97.1	-7	-9.0	32	N/A	0	NR		
24	11:00	789.05	8.21	100	101.7	-12	-14.5	32	N/A	0	NR		
25	09:00	2,666.71	9.21	95	97.2	-13	-14.6	32	N/A	0	NR		
26	11:00	2,597.00	7.40	95	98.7	-14	-15.3	32	N/A	0	NR		
27	09:00	2,603.71	9.29	95	96.4	-12	-13.3	32	N/A	0	NR		
28	10:00	0.00	0.00	95	98.2	-14	-15.6	32	N/A	0	NR		
29	10:00	0.00	0.00	100	102.2	-12	-13.3	32	N/A	0	NR		
30	09:30	0.00	0.00	100	101.2	-12	-14.4	32	N/A	0	NR		
31	10:00	0.00	0.00	100	102.4	-11	-12.5	32	N/A	0	NR		

Redbarn #1 03/2020

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	74.16	03/04/2020	7.01	03/04/2020	358.0	03/04/2020	03/13/2020		
2	74.60	03/11/2020	7.00	03/11/2020	152.0	03/11/2020	03/18/2020		
3	74.13	03/18/2020	7.04	03/18/2020	306.0	03/18/2020	03/22/2020		
4									
5									

No monthly injectate samples required.