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

Submitted 03/30/2020 **Approved** 03/30/2020 **KOLAR Document ID** 1511403

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

Barrels per Day Maximum: 35,714

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 60 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	1,639	9.32	103	106	-14.0	-16.5	0
Monthly Maximum	5,590	12.10	120	125	-10.0	-12.1	0
Monthly Minimum	52	0.00	90	94	-18.0	-21.2	0
Monthly Total	47,535						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
125.62	93.43	-1.51	-22.57

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	11:00	485.98	0.00	95	97.4	-16	-18.3	31	N/A	0	NR		
2	09:00	281.81	0.00	95	96.1	-14	-16.3	31	N/A	0	NR		
3	08:30	216.57	0.00	90	93.5	-18	-21.0	31	N/A	0	NR		
4	08:00	52.19	9.79	110	111.8	-18	-21.2	31	N/A	0	NR		
5	08:00	4,480.10	11.79	100	101.2	-11	-12.3	31	N/A	0	NR		
6	14:00	5,590.05	9.83	120	124.3	-12	-14.3	31	N/A	0	NR		
7	09:00	4,802.24	9.43	120	124.6	-12	-15.7	31	N/A	0	NR		
8	11:00	723.55	9.21	120	121.2	-11	-14.5	31	N/A	0	NR		
9	11:00	2,142.81	9.50	120	122.1	-16	-17.8	31	N/A	0	NR		
10	14:30	1,298.69	9.24	115	115.4	-12	-15.7	31	N/A	0	NR		
11	15:00	314.29	11.52	115	116.7	-18	-19.1	31	N/A	0	NR		
12	09:30	246.83	11.67	100	103.1	-16	-18.4	30	N/A	0	NR		
13	12:00	281.64	9.90	100	101.1	-12	-14.3	30	N/A	0	NR		
14	12:00	203.14	9.45	100	101.1	-14	-16.3	30	N/A	0	NR		
15	09:30	195.14	11.62	100	107.2	-14	-16.0	30	N/A	0	NR		
16	09:00	55.38	11.93	100	101.2	-12	-13.3	30	N/A	0	NR		
17	12:00	688.14	12.10	100	103.2	-16	-19.3	30	N/A	0	NR		
18	11:00	2,524.29	9.76	100	100.5	-12	-14.5	30	N/A	0	NR		
19	11:00	2,682.57	10.74	90	93.6	-16	-20.3	30	N/A	0	NR		
20	09:00	1,757.71	9.79	100	101.2	-17	-17.1	30	N/A	0	NR		
21	11:00	835.52	7.40	100	104.3	-14	-19.7	30	N/A	0	NR		
22	10:00	1,000.81	11.98	105	106.2	-12	-14.4	30	N/A	0	NR		
23	10:30	859.55	11.29	105	107.1	-10	-12.1	30	N/A	0	NR		
24	09:30	4,564.12	9.79	105	105.3	-16	-19.6	31	N/A	0	NR		
25	11:00	1,399.90	7.43	95	97.5	-16	-17.4	31	N/A	0	NR		
26	11:00	2,156.67	11.95	95	94.4	-12	-12.2	31	N/A	0	NR		
27	14:00	3,855.43	9.81	100	104.2	-12	-14.3	31	N/A	0	NR		
28	14:00	2,383.24	11.98	100	102.5	-16	-19.1	31	N/A	0	NR		
29	12:00	1,456.57	11.43	100	101.8	-12	-13.3	31	N/A	0	NR		
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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	85.26	02/05/2020	7.03	02/05/2020	536.0	02/05/2020	02/10/2020		
2	84.13	02/12/2020	7.05	02/12/2020	115.0	02/12/2020	02/20/2020		
3	74.16	02/19/2020	7.03	02/19/2020	381.0	02/19/2020	02/21/2020		
4	76.13	02/26/2020	7.14	02/26/2020	400.0	02/26/2020	03/03/2020		
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No monthly injectate samples required.