Facility Well Name Redbarn #1 **UIC Permit #** KS-01-009-001 **Month** May **Year** 2021

Submitted 09/08/2021 **Approved** 09/09/2021 **KOLAR Document ID** 1589820

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

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	1,956	10.68	115	114	-17.1	-14.8	0
Monthly Maximum	2,178	11.93	120	120	-12.0	-10.0	0
Monthly Minimum	1,619	9.29	110	108	-19.0	-20.0	0
Monthly Total	60,649						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
117.21	104.12	-2.00	-22.00

Comments:

5

Redbarn #1 05/2021

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	09:00	2,177.98	11.31	115	114.1	-14	-17.0	31	N/A	0	NR		
2	09:30	2,101.07	11.14	115	113.5	-15	-15.0	31	N/A	0	NR		
3	10:00	1,894.90	11.29	115	114.5	-19	-15.0	31	N/A	0	NR		
4	11:00	2,013.71	9.79	115	116.4	-18	-15.0	31	N/A	0	NR		
5	09:00	1,691.86	9.64	110	108.4	-19	-15.0	31	N/A	0	NR		
6	09:00	2,167.90	9.90	110	108.8	-17	-15.0	31	N/A	0	NR		
7	11:00	2,084.38	10.71	115	114.6	-17	-18.0	32	N/A	0	NR		
8	10:00	1,778.26	10.55	115	114.3	-16	-15.0	32	N/A	0	NR		
9	10:00	1,690.17	10.86	115	115.0	-15	-12.0	32	N/A	0	NR		
10	10:00	2,048.21	9.88	115	113.5	-17	-12.0	32	N/A	0	NR		
11	11:00	1,908.48	9.29	115	114.0	-18	-12.0	32	N/A	0	NR		
12	11:00	1,811.55	9.79	120	118.1	-19	-10.0	33	N/A	0	NR		
13	09:30	1,973.12	10.95	120	119.9	-19	-15.0	33	N/A	0	NR		
14	10:00	1,829.81	11.21	120	117.8	-19	-15.0	33	N/A	0	NR		
15	09:00	1,692.38	10.81	120	117.0	-17	-20.0	33	N/A	0	NR		
16	09:30	1,618.57	11.17	120	119.8	-18	-12.0	33	N/A	0	NR		
17	09:00	1,679.93	10.10	115	113.6	-19	-15.0	32	N/A	0	NR		
18	10:00	2,013.50	11.62	115	114.8	-17	-16.0	32	N/A	0	NR		
19	10:30	2,146.55	11.64	115	113.2	-18	-19.0	32	N/A	0	NR		
20	11:00	2,098.74	11.93	115	113.0	-19	-15.0	32	N/A	0	NR		
21	10:30	1,902.02	11.43	115	114.5	-17	-15.0	32	N/A	0	NR		
22	10:00	1,780.33	11.29	110	109.8	-17	-19.0	32	N/A	0	NR		
23	09:30	1,922.50	11.14	110	108.9	-16	-20.0	32	N/A	0	NR		
24	09:00	2,001.36	11.43	110	109.7	-17	-16.0	32	N/A	0	NR		
25	11:00	2,150.88	11.36	110	109.7	-18	-14.0	32	N/A	0	NR		
26	10:00	2,084.57	9.88	120	119.8	-19	-13.0	33	N/A	0	NR		
27	09:30	1,934.67	9.64	120	117.9	-18	-14.0	33	N/A	0	NR		
28	10:00	2,041.52	10.76	120	119.1	-17	-13.0	33	N/A	0	NR		
29	11:00	2,150.93	9.83	115	115.0	-16	-11.0	33	N/A	0	NR		
30	09:30	2,168.02	10.12	115	113.9	-14	-13.0	33	N/A	0	NR		
31	10:00	2,090.76	10.55	115	114.9	-12	-12.0	33	N/A	0	NR		

Redbarn #1 05/2021

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	85.12	05/05/2021	8.05	05/05/2021	274.0	05/05/2021	05/12/2021		
2	85.19	05/12/2021	8.12	05/12/2021	393.0	05/12/2021	05/19/2021		
3	83.27	05/19/2021	8.22	05/19/2021	447.0	05/19/2021	05/26/2021		
4	86.12	05/26/2021	8.44	05/26/2021	501.0	05/26/2021	06/02/2021		
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No monthly injectate samples required.

Quarterly Injectate Samples

Quarter
Date Sample Collected
Kansas Lab Certificate Number
Lab Name

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Magnesium		mg/l