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

Submitted 08/31/2021 **Approved** 08/31/2021 **KOLAR Document ID** 1588908

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	2,698	10.70	116	114	-17.0	-16.5	0
Monthly Maximum	2,927	11.64	119	119	-14.0	-14.0	0
Monthly Minimum	2,234	9.60	112	108	-19.0	-19.0	0
Monthly Total	83,647						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
118.20	102.75	-3.00	-23.00

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	08:00	2,639.43	11.62	116	115.6	-16	-17.0	33	N/A	0	NR		
2	08:00	2,672.98	11.31	117	114.3	-17	-17.0	33	N/A	0	NR		
3	10:00	2,470.24	11.00	115	111.2	-19	-16.0	33	N/A	0	NR		
4	10:00	2,361.07	10.93	118	113.5	-16	-15.0	32	N/A	0	NR		
5	08:00	2,689.33	11.48	113	118.1	-18	-17.0	32	N/A	0	NR		
6	08:00	2,577.29	10.36	112	108.8	-18	-18.0	33	N/A	0	NR		
7	09:00	2,765.69	10.95	115	114.0	-17	-19.0	32	N/A	0	NR		
8	08:00	2,819.33	10.81	117	114.3	-18	-16.0	33	N/A	0	NR		
9	08:00	2,926.57	10.57	115	115.1	-16	-14.0	32	N/A	0	NR		
10	10:00	2,861.48	10.40	113	113.5	-18	-15.0	33	N/A	0	NR		
11	11:00	2,312.48	10.19	116	115.2	-17	-16.0	32	N/A	0	NR		
12	08:00	2,599.33	9.60	118	117.5	-18	-17.0	33	N/A	0	NR		
13	08:00	2,708.50	11.21	116	118.5	-16	-15.0	33	N/A	0	NR		
14	08:00	2,752.95	9.67	117	118.0	-17	-18.0	33	N/A	0	NR		
15	08:00	2,837.00	10.02	116	117.6	-18	-19.0	32	N/A	0	NR		
16	08:00	2,791.33	10.43	118	118.5	-15	-14.0	32	N/A	0	NR		
17	11:00	2,827.60	11.12	115	114.1	-16	-15.0	33	N/A	0	NR		
18	09:00	2,233.93	11.64	114	115.8	-18	-17.0	33	N/A	0	NR		
19	08:00	2,395.14	10.76	116	114.0	-17	-18.0	32	N/A	0	NR		
20	09:00	2,766.36	11.31	113	115.6	-19	-17.0	32	N/A	0	NR		
21	08:00	2,846.76	10.12	114	115.1	-18	-18.0	32	N/A	0	NR		
22	08:00	2,789.86	11.31	112	110.8	-17	-16.0	32	N/A	0	NR		
23	08:00	2,746.31	11.12	115	111.5	-16	-18.0	33	N/A	0	NR		
24	10:00	2,876.76	11.33	115	108.3	-16	-17.0	32	N/A	0	NR		
25	10:00	2,267.90	11.31	115	109.0	-14	-16.0	32	N/A	0	NR		
26	08:00	2,866.98	10.52	114	117.1	-17	-16.0	33	N/A	0	NR		
27	09:00	2,826.10	9.83	119	115.3	-18	-16.0	33	N/A	0	NR		
28	08:00	2,833.17	10.50	119	115.4	-17	-16.0	33	N/A	0	NR		
29	09:00	2,905.26	10.40	117	114.6	-18	-17.0	32	N/A	0	NR		
30	08:00	2,883.17	10.14	116	112.4	-16	-16.0	32	N/A	0	NR		
31	10:00	2,796.57	9.60	118	114.4	-17	-16.0	32	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	86.21	07/07/2021	9.50	07/07/2021		07/07/2021	07/14/2021		
2	87.52	07/14/2021	8.80	07/14/2021		07/14/2021	07/21/2021		
3	87.64	07/21/2021	9.03	07/21/2021	263.0	07/21/2021	07/28/2021		
4	88.77	07/28/2021	8.50	07/28/2021		07/28/2021	08/04/2021		
5									

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