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

Submitted 09/08/2021 **Approved** 09/09/2021 **KOLAR Document ID** 1589821

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	10.75	115	114	-17.1	-14.9	0
Monthly Maximum	2,167	11.88	119	120	-14.0	-10.0	0
Monthly Minimum	1,638	9.79	112	108	-19.0	-20.0	0
Monthly Total	58,665						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:

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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	2,160.76	11.14	116	114.1	-14	-17.0	33	N/A	0	NR		
2	08:00	2,133.90	11.12	118	113.5	-15	-15.0	33	N/A	0	NR		
3	09:00	1,908.52	11.31	115	114.5	-19	-15.0	33	N/A	0	NR		
4	08:00	1,969.60	10.07	115	116.4	-18	-15.0	32	N/A	0	NR		
5	10:00	1,680.05	9.79	114	108.4	-19	-15.0	32	N/A	0	NR		
6	11:00	2,161.05	10.02	112	108.8	-17	-15.0	33	N/A	0	NR		
7	09:00	2,052.69	10.81	116	114.6	-16	-18.0	32	N/A	0	NR		
8	08:00	1,778.26	10.57	116	114.3	-17	-15.0	33	N/A	0	NR		
9	08:00	1,725.76	10.76	115	115.0	-15	-12.0	33	N/A	0	NR		
10	08:00	2,041.45	10.02	113	113.5	-19	-12.0	33	N/A	0	NR		
11	09:00	1,902.36	9.95	115	114.0	-18	-12.0	32	N/A	0	NR		
12	11:00	1,851.33	9.83	118	118.1	-19	-10.0	33	N/A	0	NR		
13	10:00	1,970.45	11.12	117	119.9	-17	-15.0	32	N/A	0	NR		
14	08:00	1,836.21	11.31	117	117.8	-18	-15.0	32	N/A	0	NR		
15	09:00	1,690.98	10.86	116	117.0	-17	-20.0	32	N/A	0	NR		
16	08:00	1,637.50	11.24	117	119.8	-14	-12.0	32	N/A	0	NR		
17	09:00	1,691.55	10.29	115	113.6	-15	-15.0	32	N/A	0	NR		
18	08:00	1,997.64	11.62	114	114.8	-19	-16.0	33	N/A	0	NR		
19	10:00	2,137.02	11.40	114	113.2	-18	-19.0	33	N/A	0	NR		
20	11:00	2,114.79	11.88	113	113.0	-19	-15.0	33	N/A	0	NR		
21	08:00	2,076.50	11.45	113	114.5	-17	-15.0	33	N/A	0	NR		
22	08:00	1,785.81	11.31	112	109.8	-17	-19.0	32	N/A	0	NR		
23	08:00	1,917.14	11.12	115	108.9	-16	-20.0	33	N/A	0	NR		
24	09:00	1,997.24	11.36	115	109.7	-17	-16.0	32	N/A	0	NR		
25	08:00	2,166.81	11.50	115	109.7	-14	-14.0	33	N/A	0	NR		
26	11:00	2,074.81	10.31	114	119.8	-15	-13.0	33	N/A	0	NR		
27	11:00	1,923.90	9.90	119	117.9	-19	-14.0	32	N/A	0	NR		
28	08:00	2,017.36	10.43	118	119.1	-18	-13.0	32	N/A	0	NR		
29	09:00	2,119.67	10.00	115	115.0	-19	-11.0	33	N/A	0	NR		
30	08:00	2,143.90	10.14	116	113.9	-17	-13.0	33	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	87.11	06/02/2021	9.30	06/02/2021		06/02/2021	06/09/2021		
2	86.56	06/09/2021	8.99	06/09/2021	334.0	06/09/2021	06/16/2021		
3	84.98	06/16/2021	8.75	06/16/2021	318.0	06/16/2021	06/23/2021		
4	87.45	06/23/2021	9.10	06/23/2021		06/23/2021	06/30/2021		
5		06/30/2021		06/30/2021		06/30/2021	07/07/2021		

No monthly injectate samples required.

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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