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

Submitted 08/02/2020 **Approved** 08/04/2020 **KOLAR Document ID** 1525518

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	1,532	9.01	109	111	-13.0	-15.7	0
Monthly Maximum	2,683	11.88	120	125	-9.0	-12.2	0
Monthly Minimum	247	7.19	95	97	-17.0	-19.0	0
Monthly Total	45,963						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
125.51	95.24	-11.97	-19.32

Comments:

Late due to major change over in our companies computer network system and could not pull data.

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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	14:30	1,303.21	9.45	100	101.3	-12	-16.6	33	N/A	0	NR		
2	14:00	329.67	7.40	100	104.1	-14	-15.5	33	N/A	0	NR		
3	13:00	475.64	9.57	100	101.2	-11	-13.7	33	N/A	0	NR		
4	13:00	1,134.64	11.88	100	103.1	-14	-15.9	33	N/A	0	NR		
5	09:00	2,136.76	9.14	100	102.2	-15	-17.8	33	N/A	0	NR		
6	09:30	2,491.76	8.50	95	98.2	-16	-17.9	32	N/A	0	NR		
7	10:00	2,351.07	9.50	95	96.7	-12	-15.4	32	N/A	0	NR		
8	09:00	723.55	9.29	95	97.9	-10	-12.3	32	N/A	0	NR		
9	14:00	2,142.81	7.43	105	106.2	-16	-18.4	32	N/A	0	NR		
10	11:00	1,298.69	9.69	105	107.5	-16	-18.7	32	N/A	0	NR		
11	09:30	314.29	7.19	110	114.5	-16	-18.0	33	N/A	0	NR		
12	15:00	246.83	8.98	110	113.4	-11	-13.5	33	N/A	0	NR		
13	15:00	281.64	7.48	100	101.1	-17	-18.6	33	N/A	0	NR		
14	14:00	1,916.12	9.57	100	102.4	-12	-14.5	33	N/A	0	NR		
15	09:00	1,135.43	8.50	100	103.3	-15	-17.9	33	N/A	0	NR		
16	10:00	1,855.83	9.57	120	123.6	-9	-12.2	32	N/A	0	NR		
17	09:00	1,636.76	9.50	120	124.5	-12	-14.5	32	N/A	0	NR		
18	09:00	2,524.29	7.55	115	117.8	-11	-12.3	32	N/A	0	NR		
19	10:00	2,682.57	8.43	115	116.9	-12	-15.9	33	N/A	0	NR		
20	09:30	1,757.71	9.79	115	117.2	-14	-16.9	33	N/A	0	NR		
21	10:00	2,041.31	9.21	110	112.4	-9	-12.5	33	N/A	0	NR		
22	11:00	1,000.81	8.33	120	121.3	-14	-15.4	32	N/A	0	NR		
23	14:00	859.55	9.57	120	122.4	-12	-13.5	32	N/A	0	NR		
24	11:00	2,180.40	9.81	120	123.2	-11	-15.5	32	N/A	0	NR		
25	10:00	1,399.90	9.50	120	124.3	-14	-15.0	32	N/A	0	NR		
26	09:00	2,156.67	10.81	115	117.9	-13	-16.4	32	N/A	0	NR		
27	11:00	2,417.71	9.57	115	116.9	-12	-14.9	32	N/A	0	NR		
28	09:00	2,383.24	9.17	115	113.4	-16	-19.0	32	N/A	0	NR		
29	12:00	1,456.57	8.48	115	119.0	-14	-17.8	32	N/A	0	NR		
30	09:00	1,327.24	7.36	110	113.3	-11	-13.3	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	84.16	06/03/2020	6.65	06/03/2020	518.0	06/03/2020	06/05/2020		
2	84.13	06/10/2020	6.64	06/10/2020	355.0	06/10/2020	06/19/2020		
3	84.13	06/17/2020	6.64	06/17/2020	299.0	06/17/2020	06/20/2020		
4	84.13	06/23/2020	6.54	06/23/2020	323.0	06/23/2020	06/25/2020		
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 06/23/2020
Kansas Lab Certificate Number E-10146
Lab Name Pace Analytical-Salina

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

Constituent	Value	Units
Ammonia	75.700	mg/l
Biological Oxygen Demand (BOD)	439.000	mg/l
Calcium	63.000	mg/l
Conductivity	22.300	Mmhos
Magnesium	14.500	mg/l
Oil and Grease	30.600	mg/l
Sodium	300.000	mg/l
Sulfate	16.300	mg/l
Total Alkalinity as CaCO3	611.000	mg/l (as CaCO3)
Total Dissolved Solids	1,460.000	mg/l
Total Suspended Solids	121.000	mg/l