Facility Well Name Holly Frontier #1 **UIC Permit #** KS-01-115-001 **Month** February **Year** 2022

Submitted 03/23/2022 **Approved** 03/30/2022 **KOLAR Document ID** 1635788

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 6,167

			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	1,270	0.86	130	130	-27.5	-25.9	
Monthly Maximum	1,483	1.19	160	162	-27.0	-25.2	
Monthly Minimum	864	0.60	110	109	-28.0	-26.3	
Monthly Total	35,554						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
182.20	106.00	-24.40	-26.70

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	07:40	1,412.79	0.67	138	133.9	-27	-25.4	21			SW		
2	11:00	1,350.14	0.98	115	116.9	-28	-26.2	18			BC		
3	10:00	1,419.93	0.98	115	115.4	-28	-26.2	18			BC		
4	08:45	1,473.38	1.05	125	125.2	-28	-25.9	19			BC		
5	08:00	1,466.05	0.98	125	128.4	-27	-25.7	20			BC		
6	08:00	1,385.07	1.02	128	126.1	-27	-25.8	20			SW		
7	07:30	1,444.67	0.98	128	127.4	-27	-25.7	20			SW		
8	10:40	1,306.62	0.76	129	127.2	-27	-25.6	20			SW		
9	10:50	1,166.48	0.93	125	123.8	-27	-25.8	20			SW		
10	09:15	1,131.26	0.69	125	126.2	-27	-25.6	20			BC		
11	09:00	1,396.98	0.90	125	123.3	-27	-25.7	20			BC		
12	07:30	1,465.29	1.07	120	120.4	-28	-25.8	19			SW		
13	08:15	1,165.62	0.67	120	120.1	-27	-25.8	19			BC		
14	09:00	1,246.38	1.00	125	123.2	-28	-25.6	20			BC		
15	07:35	1,444.90	0.81	125	123.0	-27	-25.7	20			SW		
16	10:45	1,251.19	0.79	130	127.2	-27	-25.5	21			SW		
17	09:30	1,482.95	0.98	118	114.8	-28	-26.1	18			SW		
18	08:20	1,280.88	1.19	120	119.1	-28	-26.0	19			BC		
19	08:00	1,092.07	0.74	120	118.2	-28	-26.0	19			BC		
20	09:00	1,042.17	1.17	120	119.0	-27	-25.9	19			BC		
21	09:00	863.67	0.60	120	116.6	-27	-25.8	19			BC		
22	07:45	1,004.21	0.71	110	109.0	-28	-26.3	17			SW		
23	10:45	1,208.57	0.64	158	155.8	-28	-26.1	18			SW		
24	07:30	1,140.12	0.86	155	155.2	-28	-26.3	17			SW		
25	07:25	1,244.24	0.62	155	153.3	-28	-26.3	17			SW		
26	08:00	1,325.93	0.79	155	158.0	-28	-26.3	18			BC		
27	08:30	1,191.26	1.07	160	159.6	-28	-26.2	19			BC		
28	07:30	1,150.76	0.60	160	161.8	-27	-25.2	19			BC		
29													
30													
31													

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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	95.70	02/02/2022	8.60	02/02/2022	131.0	02/02/2022	02/08/2022		
2	103.90	02/09/2022	7.10	02/09/2022	207.0	02/09/2022	02/11/2022		
3	106.80	02/16/2022	7.00	02/16/2022	221.0	02/16/2022	02/21/2022		
4	94.60	02/23/2022	8.10	02/23/2022	205.0	02/23/2022	02/28/2022		
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/16/2022
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	6.540	mg/l
Arsenic	<0.010	mg/l
Benzene	<0.001	mg/l
Calcium	140.000	mg/l
Chromium	<0.0050	mg/l
Conductivity	23.700	Mmhos
Cyanide	0.100	mg/l
Ethylbenzene	<0.001	mg/l
Iron	0.420	mg/l
Magnesium	16.300	mg/l
Oil & Grease	<5.300	mg/l
Sodium	7,250.000	mg/l
Sulfate	20,500.000	mg/l
Toluene	<0.001	mg/l
Total Alkalinity as CaCO3	29.000	mg/l
Total Dissolved Solids	22,100.000	mg/l
Total Suspended Solids	8.000	mg/l
Xylene	<0.003	mg/l