Facility Well Name Holly Frontier #1 **UIC Permit #** KS-01-115-001 **Month** February **Year** 2024

Submitted 03/26/2024 **Approved** 03/28/2024 **KOLAR Document ID** 1769517

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 29

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	1,093	0.75	139	135	-24.7	-23.9	
Monthly Maximum	1,361	1.26	150	145	-22.0	-21.7	
Monthly Minimum	908	0.24	127	124	-26.0	-24.6	
Monthly Total	31,697						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
152.33	117.42	-20.47	-25.12

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	1,023.81	0.60	150	143.7	-25	-23.8	24			TR		
2	08:00	1,108.31	0.60	140	139.9	-25	-24.0	24			TR		
3	08:00	1,000.19	0.69	142	137.1	-24	-24.1	24			SW		
4	08:00	1,101.38	0.81	141	141.4	-24	-23.9	24			MN		
5	08:04	1,079.10	0.86	142	134.9	-25	-24.1	24			BL		
6	08:00	939.26	0.24	134	132.9	-25	-24.1	23			TR		
7	07:55	1,086.45	1.07	140	132.3	-22	-21.7	22			BL		
8	06:00	1,154.29	1.00	138	133.5	-25	-24.1	24			TR		
9	08:00	995.45	0.79	143	140.8	-24	-23.9	24			TR		
10	08:00	954.26	0.76	138	127.0	-25	-24.4	22			TR		
11	08:00	958.10	0.60	130	128.2	-25	-24.2	22			TR		
12	08:30	1,221.57	0.57	136	130.4	-25	-24.3	23			MM		
13	08:00	1,285.07	0.48	140	135.2	-25	-24.1	23			TR		
14	11:00	1,316.95	0.86	141	138.5	-24	-23.8	23			MM		
15	08:00	1,360.74	0.81	138	134.0	-25	-24.1	23			MM		
16	08:00	1,194.52	1.02	133	132.3	-25	-24.2	23			TR		
17	08:00	1,177.07	0.71	130	128.6	-25	-24.3	23			TR		
18	08:00	1,114.90	1.12	133	132.2	-25	-24.0	24			TR		
19	08:00	1,003.43	0.86	140	134.5	-25	-24.1	23			TR		
20	09:00	965.50	0.57	137	135.6	-25	-23.8	23			MM		
21	08:00	1,110.52	0.86	138	137.7	-25	-23.8	23			MM		
22	08:00	1,164.45	1.26	145	144.6	-25	-23.6	24			MM		
23	08:00	923.43	0.76	141	138.8	-24	-23.7	24			MM		
24	08:00	996.48	0.76	137	130.7	-25	-23.8	24			TR		
25	08:00	907.71	0.62	140	139.7	-25	-23.7	24			TR		
26	08:00	1,046.83	0.57	138	131.3	-24	-23.9	22			TR		
27	08:00	1,170.60	0.60	150	144.5	-23	-23.7	22			TR		
28	08:00	1,114.60	0.67	127	124.4	-26	-24.6	22			MM		
29	08:00	1,222.40	0.79	138	137.3	-25	-23.6	24			MM		
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	122.96	02/07/2024	6.10	02/07/2024	410.0	02/07/2024	02/08/2024		
2	126.39	02/14/2024	7.40	02/14/2024	333.0	02/14/2024	02/16/2024		
3	128.75	02/21/2024	6.60	02/21/2024	342.0	02/21/2024	02/23/2024		
4	121.23	02/28/2024	8.00	02/28/2024	313.0	02/28/2024	03/04/2024		
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 02/14/2024
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	16.000	mg/l
Arsenic	0.055	mg/l
Benzene	<0.001	mg/l
Calcium	186.000	mg/l
Chromium	<0.0150	mg/l
Conductivity	18.600	Mmhos
Cyanide	0.590	mg/l
Ethylbenzene	<0.001	mg/l
Iron	0.340	mg/l
Magnesium	27.600	mg/l
Oil & Grease	<5.100	mg/l
Sodium	3,840.000	mg/l
Sulfate	9,920.000	mg/l
Toluene	<0.001	mg/l
Total Alkalinity as CaCO3	78.200	mg/l
Total Dissolved Solids	7,300.000	mg/l
Total Suspended Solids	24.000	mg/l
Xylene	<0.003	mg/l