Facility Well Name Holly Frontier #1 **UIC Permit #** KS-01-115-001 **Month** December **Year** 2023

Submitted 01/23/2024 **Approved** 02/01/2024 **KOLAR Document ID** 1745423

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 6,167

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min 60 Gauge psig	Annulus Pressure Cont. Record psig	Injection Pressure Gauge psig	Injection Pressure Cont. Record psig	Amount Added to Seal Pot
Monthly Average	1,106	0.66	148	146	-24.8	-23.8	
Monthly Maximum	1,877	1.38	186	182	-18.0	-16.2	
Monthly Minimum	726	0.26	104	102	-27.0	-25.6	
Monthly Total	34,283						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
229.20	101.60	-15.60	-26.40

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	923.26	0.71	154	151.8	-25	-25.0	22			TR		
2	08:00	1,131.74	0.57	151	150.6	-26	-24.8	23			MM		
3	07:30	969.12	0.74	143	137.7	-26	-25.5	21			MM		
4	08:00	764.98	0.38	137	135.3	-26	-25.4	21			MM		
5	08:30	1,073.52	0.60	148	147.1	-27	-25.2	23			MM		
6	08:00	790.40	0.50	167	163.9	-26	-24.5	25			MM		
7	08:00	971.26	0.57	141	138.2	-26	-25.4	22			MM		
8	08:00	1,292.50	0.71	144	142.5	-26	-25.2	22			TR		
9	08:00	1,052.69	0.83	170	169.5	-25	-24.2	26			TR		
10	08:00	746.98	0.52	133	130.8	-26	-25.5	21			MM		
11	07:30	827.40	1.07	137	132.2	-27	-25.6	20			MM		
12	09:00	729.60	0.50	115	115.6	-18	-16.2	16			MM		
13	08:00	945.71	0.64	104	101.6	-19	-18.4	14			TR		
14	08:00	918.71	0.50	176	174.4	-25	-18.2	13			TR		
15	08:00	956.26	0.62	186	181.5	-26	-24.7	23			TR		
16	08:00	824.83	0.57	150	149.4	-25	-24.5	24			TR		
17	08:00	725.67	0.48	155	149.2	-25	-24.5	24			TR		
18	08:00	1,054.81	0.50	153	150.9	-26	-24.6	24			MM		
19	08:30	1,049.40	1.10	150	151.0	-25	-24.5	23			MM		
20	08:00	1,278.90	1.00	162	160.2	-25	-24.3	25			MM		
21	08:30	1,138.33	0.76	169	163.0	-24	-23.9	25			MM		
22	08:30	1,379.76	0.95	168	168.3	-25	-24.0	25			MM		
23	09:00	1,564.88	0.62	165	159.4	-24	-23.4	27			MM		
24	08:00	1,809.02	0.90	140	141.6	-25	-24.2	25			MM		
25	09:00	1,876.76	0.50	138	136.9	-25	-24.3	25			MM		
26	08:00	1,210.67	0.57	137	132.8	-25	-24.3	24			MM		
27	08:00	1,442.40	1.38	123	121.1	-23	-21.8	23			MM		
28	08:30	1,390.69	0.26	147	141.7	-25	-24.6	25			MM		
29	08:00	1,338.05	0.67	144	142.4	-25	-24.0	25			MM		
30	08:00	1,025.83	0.48	145	142.3	-25	-23.9	26			TR		
31	08:00	1,078.95	0.29	133	136.5	-24	-24.3	24			TR		

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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	117.30	12/06/2023	6.50	12/06/2023	370.0	12/06/2023	12/07/2023		
2	62.30	12/13/2023	7.00	12/13/2023	48.1	12/13/2023	12/14/2023		
3	123.14	12/20/2023	6.40	12/20/2023	341.0	12/20/2023	12/27/2023		
4	109.00	12/27/2023	6.20	12/27/2023	326.0	12/27/2023	12/28/2023		
5									

No monthly injectate samples required.