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

Submitted 05/25/2023 **Approved** 05/26/2023 **KOLAR Document ID** 1712764

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	1,398	0.89	133	132	-24.4	-23.6	
Monthly Maximum	3,547	3.10	161	171	-5.0	-4.3	
Monthly Minimum	90	0.17	98	96	-28.0	-27.1	
Monthly Total	41,931						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
178.60	93.70	-1.80	-27.20

Comments:

Holly Frontier #1 04/2023

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	934.48	0.62	109	108.5	-28	-27.0	20			MM		
2	19:30	1,187.74	1.29	140	137.4	-26	-26.0	25			SW		
3	08:00	1,761.29	1.05	136	135.1	-26	-26.2	25			TR		
4	09:00	1,818.26	0.93	142	138.1	-26	-26.2	25			TR		
5	18:50	1,859.90	1.55	135	119.3	-27	-26.5	26			SW		
6	07:45	1,615.69	0.90	108	108.6	-28	-26.8	23			MM		
7	08:00	1,635.05	0.83	112	110.6	-28	-26.7	23			MM		
8	10:30	1,820.05	1.07	131	129.3	-28	-26.3	26			MM		
9	19:55	2,474.07	0.36	128	171.4	-26	-24.8	30			TN		
10	08:00	1,786.98	0.60	161	156.2	-27	-25.2	29			MM		
11	08:00	2,026.24	1.83	147	146.2	-27	-25.4	28			MM		
12	11:00	1,687.45	1.14	132	129.1	-27	-25.9	26			MM		
13	08:00	1,530.81	1.26	128	124.1	-27	-26.1	25			MM		
14	09:00	1,651.57	1.26	127	126.7	-27	-26.1	26			MM		
15	08:30	1,675.45	0.74	120	117.5	-28	-26.6	25			MM		
16	08:00	1,241.07	1.07	98	96.3	-28	-27.1	21			MM		
17	07:00	3,547.26	1.02	137	134.6	-18	-25.8	20			MM		
18	07:30	2,704.83	3.10	150	150.2	-22	-22.4	24			TR		
19	20:00	674.67	0.24	150	148.0	-12	-11.8	22			SW		
20	08:00	975.88	0.48	142	140.1	-25	-24.3	21			TR		
21	20:00	1,057.21	1.00	140	140.7	-26	-25.4	21			SW		
22	08:00	1,050.36	0.69	131	130.8	-27	-25.7	20			MM		
23	08:00	1,025.14	0.38	128	129.3	-26	-25.2	20			MM		
24	08:00	1,202.36	0.74	129	127.9	-27	-25.8	20			MM		
25	08:00	1,253.43	0.64	129	129.2	-26	-25.8	20			MM		
26	08:30	90.48	0.29	138	136.5	-27	-16.7	21			TR		
27	08:40	103.40	0.17	140	138.6	-8	-7.9	21			BC		
28	20:03	362.19	0.43	145	134.7	-5	-4.3	21			PS		
29	07:45	485.17	0.67	142	139.1	-26	-25.7	21			BC		
30	08:30	692.33	0.50	147	139.8	-22	-21.4	21			MM		
31													

Holly Frontier #1 04/2023

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	91.50	04/05/2023	6.40	04/05/2023	226.0	04/05/2023	04/06/2023		
2	100.90	04/12/2023	7.40	04/12/2023	333.0	04/12/2023	04/13/2023		
3	73.90	04/19/2023	6.50	04/19/2023	83.2	04/19/2023	04/20/2023		
4	78.00	04/26/2023	6.00	04/26/2023	48.1	04/26/2023	03/24/2023		
5									

No monthly injectate samples required.