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

Submitted 02/17/2023 **Approved** 02/28/2023 **KOLAR Document ID** 1691053

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	1,229	0.80	130	128	-26.2	-25.1	
Monthly Maximum	2,135	1.43	187	165	-23.0	-12.2	
Monthly Minimum	803	0.19	114	108	-28.0	-27.1	
Monthly Total	38,110						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
193.70	107.10	-6.60	-27.20

Comments:

Holly Frontier #1 01/2023

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	08:30	1,611.81	0.98	140	139.7	-25	-25.3	22			BM		
2	08:30	1,943.24	1.33	137	135.5	-26	-25.4	22			MM		
3	08:45	1,964.50	1.43	140	137.7	-28	-27.1	22			MM		
4	11:00	1,104.60	0.40	128	125.9	-23	-22.3	20			MM		
5	11:00	1,040.90	0.98	120	118.0	-27	-27.0	19			TR		
6	14:00	1,245.69	0.64	120	117.9	-27	-27.0	19			TR		
7	11:00	1,229.55	0.93	119	116.6	-28	-27.0	19			TR		
8	09:40	1,138.69	0.81	117	115.6	-28	-26.7	18			MM		
9	08:00	1,026.88	0.81	120	116.8	-28	-26.7	18			MM		
10	08:00	1,037.29	0.67	123	118.5	-27	-26.1	19			MM		
11	08:00	1,048.31	0.76	119	118.9	-27	-26.3	19			MM		
12	10:00	1,089.98	0.76	118	116.6	-27	-26.1	19			TR		
13	10:30	1,095.67	0.74	116	115.0	-27	-25.7	18			TR		
14	10:00	1,325.69	0.79	114	112.2	-26	-25.5	18			TR		
15	10:00	1,453.98	1.02	114	112.1	-27	-26.2	18			TR		
16	09:00	1,417.17	1.02	118	115.2	-27	-26.3	19			TR		
17	09:00	1,415.69	0.98	114	114.0	-27	-26.3	19			TR		
18	11:00	1,229.38	1.00	116	114.1	-27	-12.2	19			TR		
19	08:30	959.88	0.57	117	114.2	-24	-23.7	19			TR		
20	10:00	984.57	0.67	115	114.0	-26	-25.3	19			BC		
21	09:00	991.17	0.67	120	114.0	-26	-25.4	19			BC		
22	10:00	1,065.02	0.67	115	150.9	-26	-25.3	19			BC		
23	08:00	847.83	0.57	156	152.7	-26	-24.6	18			MM		
24	09:00	803.48	0.57	145	143.1	-25	-24.7	18			MM		
25	06:30	1,696.43	0.19	187	163.5	-26	-24.3	27			MM		
26	09:00	2,134.79	1.12	167	164.7	-26	-24.7	27			MM		
27	08:00	1,069.02	0.74	136	133.0	-26	-24.5	28			MM		
28	07:36	1,051.19	0.71	135	128.8	-24	-24.7	27			PS		
29	06:11	981.98	0.74	130	108.0	-24	-25.9	28			PS		
30	09:30	1,047.45	0.74	158	157.2	-26	-25.1	27			TR		
31	11:00	1,058.62	0.76	164	160.5	-26	-25.0	26			TR		

Holly Frontier #1 01/2023

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	58.80	01/04/2023	6.40	01/04/2023	53.0	01/04/2023	01/06/2023		
2	58.70	01/11/2023	5.80	01/11/2023	49.5	01/11/2023	01/13/2023		
3	59.10	01/18/2023	5.90	01/18/2023	54.0	01/18/2023	01/20/2023		
4	116.20	01/25/2023	7.20	01/25/2023	167.0	01/25/2023	01/26/2023		
5									

No monthly injectate samples required.