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

Submitted 05/03/2022 **Approved** 05/04/2022 **KOLAR Document ID** 1640448

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	1,210	0.84	140	140	-27.2	-25.8	
Monthly Maximum	1,356	1.29	152	152	-27.0	-25.3	
Monthly Minimum	1,153	0.50	124	128	-28.0	-26.3	
Monthly Total	37,512						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
163.10	128.10	-24.20	-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	09:30	1,153.05	0.50	145	144.0	-27	-25.7	19			BC		
2	10:45	1,187.90	0.76	150	149.3	-27	-25.5	20			SW		
3	07:20	1,233.83	1.10	150	149.5	-27	-25.8	20			SW		
4	07:15	1,352.83	1.29	150	147.6	-27	-25.9	20			SW		
5	06:55	1,297.55	0.60	150	149.0	-27	-25.8	20			SW		
6	08:45	1,329.02	0.76	140	138.2	-28	-26.1	19			BC		
7	08:15	1,191.52	0.67	135	132.4	-28	-26.3	17			BC		
8	09:15	1,178.29	0.55	140	141.6	-27	-25.8	19			BC		
9	11:00	1,224.64	1.02	140	138.0	-27	-25.9	19			BC		
10	07:00	1,208.29	0.79	132	132.7	-28	-26.1	18			SW		
11	07:25	1,179.62	0.95	130	131.2	-28	-26.1	18			SW		
12	07:15	1,189.86	0.98	124	131.7	-28	-26.1	18			SW		
13	07:05	1,198.45	0.60	128	134.0	-27	-26.1	18			SW		
14	08:15	1,242.55	1.26	135	134.9	-27	-26.1	19			BC		
15	09:00	1,172.60	0.79	140	137.5	-27	-26.0	19			BC		
16	08:30	1,167.43	0.88	140	141.9	-27	-25.8	19			BC		
17	08:15	1,168.29	0.71	145	143.7	-27	-25.8	20			BC		
18	07:15	1,168.05	0.79	138	134.9	-27	-26.1	19			SW		
19	07:20	1,154.48	0.50	142	137.7	-27	-25.8	19			SW		
20	07:10	1,153.79	0.79	145	142.8	-28	-25.8	20			SW		
21	07:20	1,182.29	0.67	142	139.8	-27	-25.7	19			SW		
22	08:30	1,168.00	0.76	140	139.7	-27	-25.6	19			BC		
23	11:00	1,160.71	0.76	130	128.2	-27	-26.1	18			BC		
24	09:30	1,163.90	1.00	135	135.1	-27	-25.9	19			BC		
25	08:45	1,166.45	0.88	140	141.4	-27	-25.6	20			BC		
26	06:55	1,171.90	1.00	142	142.2	-27	-25.6	20			SW		
27	08:10	1,177.64	1.10	145	143.3	-27	-25.6	20			SW		
28	07:00	1,191.95	0.76	142	140.9	-27	-25.7	20			SW		
29	07:20	1,271.24	0.81	152	152.0	-27	-25.3	21			SW		
30	11:00	1,350.07	0.98	140	143.4	-27	-25.6	21			BC		
31	08:30	1,355.93	1.02	140	140.5	-27	-25.6	20			BC		

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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	106.26	03/02/2022	7.00	03/02/2022	275.0	03/02/2022	03/07/2022		
2	100.37	03/09/2022	8.20	03/09/2022	258.0	03/09/2022	03/11/2022		
3	105.56	03/16/2022	7.00	03/16/2022	235.0	03/16/2022	03/21/2022		
4	96.05	03/23/2022	8.10	03/23/2022	267.0	03/23/2022	03/25/2022		
5	106.42	03/30/2022	6.60	03/30/2022	308.0	03/30/2022	04/01/2022		

No monthly injectate samples required.