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

Submitted 02/23/2022 **Approved** 03/01/2022 **KOLAR Document ID** 1623745

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

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	1,264	0.62	124	124	-27.5	-26.0	
Monthly Maximum	1,292	1.10	138	135	-25.0	-24.7	
Monthly Minimum	1,205	0.00	119	116	-28.0	-26.4	
Monthly Total	39,187						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
136.80	115.40	-22.20	-26.60

Comments:

Flow Meter display not working properly for manual readings 1/1/22 to 1/10/22. Repair order issued to fix. Flowrates still were recorded by data acquisition system for GPD reading. Repaired 1/10/22.

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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	1,247.62	0.00	125	124.4	-27	-26.3	19			BC		
2	09:30	1,252.50	0.00	120	119.6	-28	-26.4	18			BC		
3	08:45	1,249.21	0.00	125	125.8	-28	-26.1	19			BC		
4	10:00	1,247.60	0.00	125	126.8	-25	-24.7	19			BC		
5	10:40	1,254.95	0.00	125	124.2	-27	-26.1	19			SW		
6	07:25	1,257.69	0.00	120	119.7	-27	-26.3	18			SW		
7	07:20	1,252.74	0.00	122	120.8	-28	-26.3	18			SW		
8	07:05	1,261.71	0.00	125	123.3	-27	-26.0	19			SW		
9	08:30	1,263.12	0.00	125	124.4	-28	-26.2	19			BC		
10	08:05	1,257.21	0.86	125	125.4	-28	-26.1	19			BC		
11	10:30	1,258.98	1.02	125	127.4	-28	-26.0	19			BC		
12	11:00	1,266.05	1.00	130	132.3	-27	-25.7	20			BC		
13	07:15	1,261.88	0.98	138	134.9	-27	-25.6	21			SW		
14	07:20	1,257.29	0.90	135	132.6	-27	-25.8	20			SW		
15	08:20	1,258.60	0.79	119	116.4	-28	-26.4	17			SW		
16	07:20	1,267.21	0.88	125	122.8	-27	-26.1	19			SW		
17	09:00	1,271.14	0.67	125	127.0	-27	-25.8	20			BC		
18	08:45	1,204.81	0.95	130	128.6	-27	-25.9	20			BC		
19	11:00	1,263.19	1.10	120	120.3	-28	-26.2	19			BC		
20	09:00	1,273.12	0.74	120	118.7	-28	-26.2	18			BC		
21	07:20	1,282.86	0.95	119	119.2	-28	-26.3	18			SW		
22	07:45	1,276.48	0.83	122	123.9	-28	-26.1	19			SW		
23	07:10	1,284.36	1.10	129	125.9	-27	-25.9	19			SW		
24	07:10	1,290.55	0.64	130	127.2	-27	-25.9	20			SW		
25	08:30	1,291.60	0.88	120	120.9	-28	-26.1	19			BC		
26	11:00	1,286.12	0.74	120	119.3	-28	-26.1	18			BC		
27	08:45	1,265.45	1.07	120	122.2	-28	-26.1	19			BC		
28	11:00	1,265.67	0.79	120	121.4	-28	-26.1	19			BC		
29	07:50	1,269.76	0.86	120	120.2	-28	-26.2	19			SW		
30	07:20	1,279.21	0.81	125	124.2	-28	-26.0	19			SW		
31	07:25	1,267.93	0.69	129	124.2	-27	-26.0	19			SW		

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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	96.84	01/05/2022	8.20	01/05/2022	336.0	01/05/2022	01/10/2022		
2	106.02	01/12/2022	7.20	01/12/2022	317.0	01/12/2022	01/14/2022		
3	95.36	01/19/2022	8.60	01/19/2022	277.0	01/19/2022	01/20/2022		
4	98.22	01/26/2022	8.50	01/26/2022	196.0	01/26/2022	02/01/2022		
5									

No monthly injectate samples required.