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

Submitted 09/22/2022 **Approved** 09/30/2022 **KOLAR Document ID** 1666065

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	978	0.70	131	128	-26.0	-24.4	
Monthly Maximum	1,363	1.07	180	180	-25.0	-23.4	
Monthly Minimum	440	0.19	110	109	-27.0	-25.5	
Monthly Total	30,312						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
188.30	109.00	-22.00	-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	15:00	1,297.36	0.93	135	133.3	-25	-23.4	20			BC		
2	09:45	1,237.48	0.83	130	125.6	-25	-23.8	20			BC		
3	10:50	1,085.67	0.57	120	117.0	-26	-24.4	18			BC		
4	08:45	1,290.48	0.67	125	124.1	-25	-24.1	20			BC		
5	06:30	1,345.90	0.93	125	125.4	-26	-24.1	20			BC		
6	10:15	1,341.98	0.98	139	126.7	-25	-23.9	20			PS		
7	06:00	1,351.79	0.98	139	124.5	-26	-24.1	20			PS		
8	09:30	1,347.52	0.93	130	125.6	-26	-24.0	20			BC		
9	10:20	1,355.69	1.07	125	122.4	-26	-23.7	21			BC		
10	10:45	1,363.21	0.95	125	122.9	-26	-23.8	19			BC		
11	09:00	1,349.67	0.90	120	118.5	-25	-24.1	19			BC		
12	08:00	1,289.74	0.95	120	118.2	-26	-24.0	19			BC		
13	06:35	1,111.57	0.88	115	113.7	-25	-24.3	18			KCS		
14	06:21	1,047.62	0.81	123	120.5	-26	-23.8	19			KCS		
15	11:00	1,026.36	0.76	120	116.5	-26	-24.1	18			BC		
16	09:00	1,023.81	0.76	115	114.5	-26	-24.3	18			BC		
17	10:50	971.36	0.60	110	109.4	-26	-24.4	17			BC		
18	08:30	949.88	0.64	115	110.2	-26	-24.3	17			BC		
19	09:00	783.79	0.93	180	180.1	-26	-24.4	17			BC		
20	06:53	863.55	0.69	150	148.6	-26	-24.7	16			KCS		
21	06:18	801.07	0.69	149	146.8	-26	-24.6	15			KCS		
22	08:30	693.07	0.48	140	141.3	-26	-24.8	15			BC		
23	09:30	685.31	0.43	140	140.0	-27	-24.9	15			BC		
24	10:55	673.24	0.62	140	141.0	-27	-24.9	14			BC		
25	06:24	607.07	0.40	139	137.2	-26	-25.2	15			KCS		
26	07:00	556.52	0.57	139	135.1	-26	-25.2	14			PS		
27	08:34	511.07	0.29	134	131.8	-27	-25.3	13			BM		
28	08:22	495.36	0.19	132	129.5	-27	-25.5	12			BM		
29	08:30	442.45	0.38	130	129.2	-27	-25.4	13			BC		
30	09:00	439.62	0.24	125	127.3	-27	-25.4	12			BC		
31	10:45	973.07	0.79	125	122.6	-26	-24.4	11			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	115.46	08/03/2022	7.10	08/03/2022	347.0	08/03/2022	08/04/2022		
2	122.64	08/10/2022	7.10	08/10/2022	279.0	08/10/2022	08/12/2022		
3	114.69	08/17/2022	6.90	08/17/2022	381.0	08/17/2022	08/19/2022		
4	108.11	08/24/2022	6.80	08/24/2022	494.0	08/24/2022	08/26/2022		
5	84.10	08/31/2022	6.10	08/31/2022	39.5	08/31/2022	09/02/2022		

No monthly injectate samples required.