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

Submitted 11/16/2022 **Approved** 11/30/2022 **KOLAR Document ID** 1672950

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	974	0.66	132	131	-24.7	-23.1	
Monthly Maximum	1,438	1.24	175	178	-14.0	-12.2	
Monthly Minimum	400	0.33	112	110	-27.0	-24.9	
Monthly Total	30,181						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
206.40	110.30	3.50	-25.90

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	08:12	984.79	0.40	120	118.3	-26	-24.6	18			BM		
2	09:02	965.00	0.52	120	117.2	-25	-23.6	18			BM		
3	10:30	948.10	0.43	119	118.8	-25	-23.7	18			MM		
4	08:45	952.81	0.71	119	117.5	-24	-23.3	18			MM		
5	10:52	965.02	0.76	123	120.3	-25	-23.6	18			MM		
6	08:00	783.64	0.33	117	116.7	-14	-12.2	18			MM		
7	09:00	788.14	0.55	118	116.4	-23	-21.1	18			MM		
8	06:00	785.64	0.57	118	114.5	-24	-21.1	18			PS		
9	09:15	781.60	0.57	120	115.2	-24	-20.7	18			PS		
10	10:00	777.79	0.55	118	116.1	-22	-20.6	18			MM		
11	09:00	776.19	0.57	117	118.4	-22	-20.4	18			MM		
12	10:40	682.26	0.55	120	118.1	-22	-20.2	18			MM		
13	09:20	1,437.55	1.19	172	170.9	-25	-23.7	25			MM		
14	08:30	1,381.43	0.74	175	177.9	-24	-23.2	25			BC		
15	08:57	1,143.38	0.38	166	165.3	-24	-22.8	24			BM		
16	09:00	1,114.76	0.88	164	163.3	-26	-24.0	25			BM		
17	08:00	737.93	0.50	126	125.3	-26	-24.9	22			MM		
18	08:45	1,028.81	0.69	137	135.5	-27	-24.7	25			MM		
19	10:51	733.31	0.57	136	134.7	-27	-24.8	25			MM		
20	10:00	400.31	0.43	123	121.4	-26	-24.4	24			MM		
21	10:00	533.60	0.45	112	110.4	-27	-24.0	24			MM		
22	06:34	872.67	0.57	122	127.8	-25	-24.1	21			PS		
23	08:30	1,418.69	0.88	154	157.2	-25	-23.7	26			PS		
24	08:00	1,246.95	1.24	148	145.7	-25	-24.0	28			MM		
25	08:30	946.48	0.62	126	123.1	-26	-24.6	25			MM		
26	10:45	772.90	0.60	125	120.4	-26	-24.6	25			MM		
27	18:30	912.64	0.74	127	119.4	-27	-24.8	24			KCS		
28	07:30	1,327.07	0.76	140	137.7	-25	-24.7	26			BC		
29	07:45	1,259.48	0.76	140	137.5	-26	-24.7	26			BC		
30	08:00	1,289.74	0.86	140	138.4	-26	-24.8	27			BC		
31	12:15	1,432.10	1.14	145	143.0	-26	-24.6	28			MM		

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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	71.30	10/05/2022	5.70	10/05/2022	36.4	10/05/2022	10/07/2022		
2	72.91	10/12/2022	5.50	10/12/2022	31.6	10/12/2022	10/13/2022		
3	105.86	10/19/2022	6.90	10/19/2022	302.0	10/19/2022	10/25/2022		
4	106.83	10/26/2022	7.40	10/26/2022	404.0	10/26/2022	10/31/2022		
5									

No monthly injectate samples required.