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

Submitted 10/23/2023 **Approved** 11/01/2023 **KOLAR Document ID** 1733536

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

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	792	0.53	147	145	-23.5	-24.3	
Monthly Maximum	1,011	0.81	154	153	22.0	-11.8	
Monthly Minimum	597	0.14	138	135	-27.0	-25.5	
Monthly Total	23,765						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
167.90	134.80	-10.50	-25.60

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	08:25	610.21	0.14	140	137.7	-26	-25.1	22			BC		
2	08:16	596.76	0.45	138	134.9	-26	-24.5	22			BC		
3	08:12	708.95	0.31	148	144.5	-26	-24.9	22			BC		
4	07:50	822.29	0.38	152	149.9	-26	-24.9	22			BC		
5	08:00	744.10	0.50	150	147.0	-26	-25.0	22			TR		
6	08:00	799.81	0.60	144	142.4	-27	-25.3	22			TR		
7	08:00	759.81	0.38	147	144.5	-26	-25.0	22			TR		
8	08:00	817.19	0.76	145	143.7	-26	-25.5	22			TR		
9	08:10	746.93	0.38	142	139.1	-22	-20.8	22			BC		
10	08:12	846.95	0.62	144	138.5	-12	-11.8	22			BC		
11	08:00	1,010.55	0.40	150	150.6	-25	-23.9	23			BC		
12	08:40	935.50	0.64	146	144.1	-25	-24.4	23			BC		
13	08:00	917.07	0.62	148	146.8	-26	-25.0	23			TR		
14	08:00	894.24	0.60	148	143.7	-26	-25.2	22			TR		
15	08:00	845.69	0.81	146	144.2	-26	-25.4	23			TR		
16	08:00	806.07	0.57	144	142.0	-26	-25.2	22			TR		
17	22:21	763.57	0.67	150	146.8	-25	-25.1	22			PS		
18	08:00	749.48	0.43	138	137.7	22	-25.3	22			TR		
19	08:00	732.50	0.79	142	138.5	-26	-25.2	22			TR		
20	08:00	875.07	0.57	140	139.5	-24	-23.4	22			TR		
21	08:00	862.19	0.36	146	145.1	-26	-25.1	22			MM		
22	07:30	817.17	0.57	143	143.3	-26	-25.3	23			MM		
23	07:00	779.93	0.60	143	139.3	-26	-25.2	22			MM		
24	07:30	779.83	0.76	151	148.0	-26	-24.8	22			MM		
25	07:45	732.74	0.48	151	150.1	-26	-24.7	24			MM		
26	08:00	828.71	0.50	150	151.6	-25	-24.6	24			TR		
27	08:00	775.33	0.50	154	153.4	-25	-24.6	24			TR		
28	08:00	767.95	0.38	154	150.8	-25	-24.4	24			TR		
29	07:30	747.83	0.57	154	151.5	-25	-24.7	24			MM		
30	07:30	690.36	0.48	150	148.8	-26	-24.8	23			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	103.10	09/06/2023	6.60	09/06/2023	500.0	09/06/2023	09/08/2023		
2	105.80	09/13/2023	7.00	09/13/2023	393.0	09/13/2023	09/14/2023		
3	104.20	09/20/2023	7.10	09/20/2023	243.0	09/20/2023	09/22/2023		
4	113.10	09/27/2023	7.00	09/27/2023	299.0	09/27/2023	09/29/2023		
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No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter
Date Sample Collected
Kansas Lab Certificate Number E-10146
Lab Name Pace Analytical-Salina

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Ammonia		mg/l