Facility Well Name Holly Frontier #1 **UIC Permit #** KS-01-115-001 **Month** September **Year** 2021

Submitted 11/09/2021 **Approved** 11/24/2021 **KOLAR Document ID** 1598370

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 21

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	995	0.69	132	134	-26.9	-18.0	
Monthly Maximum	1,341	1.07	145	150	-26.0	-0.9	
Monthly Minimum	538	0.02	120	119	-27.0	-25.9	
Monthly Total	20,904						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
157.60	113.10	-0.8	-26.00

Comments:

Well was not used 9/22 to 9/30. Line leading to well was under repair. No manual readings were collected while the well was down.

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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	07:20	730.50	0.43	138	135.6	-27	-25.1	24			SW		
2	07:05	589.48	0.02	122	119.8	-27	-25.9	20			SW		
3	08:30	1,083.05	0.52	125	123.4	-27	-25.7	21			BC		
4	08:45	1,334.31	1.07	145	136.4	-27	-25.2	23			BC		
5	08:45	1,341.10	0.98	135	136.9	-27	-25.1	23			BC		
6	13:00	1,171.67	0.79	145	139.0	-27	-25.0	23			BC		
7	08:00	1,247.98	0.90	140	136.8	-26	-25.0	23			RC		
8	10:45	1,162.29	0.93	134	132.9	-26	-25.2	22			RC		
9	08:00	996.26	0.86	132	128.7	-26	-25.4	22			RC		
10	10:45	1,072.76	0.57	132	130.6	-27	-25.2	22			RC		
11	09:00	1,081.17	0.64	130	131.3	-27	-25.2	23			BC		
12	10:45	1,024.14	0.83	130	132.7	-27	-25.1	23			BC		
13	09:45	955.69	0.88	130	128.0	-27	-25.3	23			BC		
14	10:45	979.93	0.69	130	131.5	-27	-25.1	24			BC		
15	10:45	1,010.74	0.57	132	129.8	-27	-25.2	22			RC		
16	09:30	989.36	0.71	132	129.8	-27	-25.2	22			RC		
17	10:30	954.60	0.71	133	130.6	-27	-25.2	22			RC		
18	08:30	902.45	0.74	132	129.0	-27	-25.2	22			RC		
19	08:30	891.07	0.48	125	124.9	-27	-25.4	22			BC		
20	09:00	847.29	0.50	125	125.3	-27	-25.3	22			BC		
21	10:30	537.88	0.67	120	118.7	-27	-25.5	21			BC		
22	08:00				150.21		-1.76						
23	08:00				146.95		-1.26						
24	08:00				143.13		-1.07						
25	08:00				141.06		-0.95						
26	08:00				141.79		-0.94						
27	08:00				141.93		-0.94						
28	08:00				141.49		-0.96						
29	08:00				141.56		-0.98						
30	08:00				140.06		-0.99						
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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	113.20	09/01/2021	8.40	09/01/2021					
2	101.64	09/03/2021	7.10	09/03/2021	388.0	09/03/2021	09/08/2021		
3	113.50	09/08/2021	8.50	09/08/2021	227.0	09/08/2021	09/13/2021		
4	113.03	09/15/2021	7.20	09/15/2021	205.0	09/15/2021	09/18/2021		
5									

No monthly injectate samples required.