Facility Well Name Holly Frontier #1 **UIC Permit #** KS-01-115-001 **Month** October **Year** 2020

Submitted 11/24/2020 **Approved** 11/30/2020 **KOLAR Document ID** 1536771

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	1,180	0.84	135	134	-27.0	-25.7	
Monthly Maximum	1,244	0.93	148	144	-27.0	-25.3	
Monthly Minimum	1,059	0.64	123	125	-27.0	-26.1	
Monthly Total	36,581						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
155.70	124.10	-25.0	-26.2

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	08:30	1,190.69	0.83	136	130.9	-27	-25.9	17			RC		
2	07:30	1,058.52	0.83	132	130.7	-27	-25.9	17			SW		
3	08:00	1,134.19	0.79	135	134.4	-27	-25.6	18			BC		
4	08:15	1,163.29	0.88	140	138.6	-27	-25.6	19			BC		
5	12:30	1,156.48	0.76	140	141.2	-27	-25.6	18			BC		
6	09:45	1,167.29	0.86	146	143.6	-27	-25.5	19			RC		
7	10:45	1,164.14	0.90	148	143.6	-27	-25.3	19			RC		
8	09:45	1,162.38	0.83	144	141.8	-27	-25.6	19			RC		
9	10:30	1,171.45	0.81	145	142.7	-27	-25.5	19			RC		
10	09:00	1,173.40	0.79	140	141.9	-27	-25.5	19			BC		
11	09:00	1,165.00	0.86	140	140.2	-27	-25.5	19			BC		
12	08:15	1,165.62	0.83	135	137.4	-27	-25.7	19			BC		
13	09:00	1,173.76	0.86	140	139.3	-27	-25.6	19			BC		
14	10:23	1,179.52	0.86	142	139.5	-27	-25.6	19			SW		
15	07:45	1,170.69	0.93	142	135.0	-27	-25.7	19			SW		
16	07:55	1,165.05	0.86	130	129.9	-27	-25.6	18			SW		
17	07:40	1,183.02	0.88	132	131.4	-27	-25.7	18			SW		
18	07:45	1,167.69	0.64	130	131.3	-27	-25.7	19			BC		
19	09:15	1,165.19	0.83	130	131.5	-27	-25.8	18			BC		
20	09:30	1,193.05	0.83	130	131.6	-27	-25.8	18			BC		
21	11:00	1,218.02	0.83	135	134.9	-27	-25.7	18			BC		
22	07:25	1,219.67	0.81	140	138.9	-27	-25.5	19			SW		
23	07:30	1,212.71	0.88	125	125.2	-27	-26.0	17			SW		
24	08:48	1,213.76	0.86	128	126.7	-27	-25.9	17			KCS		
25	09:40	1,094.57	0.90	126	126.1	-27	-25.8	17			BM		
26	07:38	1,223.17	0.90	129	124.7	-27	-26.1	17			BM		
27	08:40	1,226.10	0.79	124	125.2	-27	-26.0	16			RC		
28	09:00	1,243.83	0.76	128	127.6	-27	-25.8	17			RC		
29	09:00	1,224.93	0.90	123	124.7	-27	-25.9	17			RC		
30	08:30	1,219.55	0.93	125	127.4	-27	-25.9	17			RC		
31	08:35	1,213.81	0.88	130	129.0	-27	-25.8	17			TN		

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Weekly Injectate Samples

Kansas Lab Certificate Number

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	109.30	10/07/2020	6.60	10/07/2020	76.4	10/07/2020	10/09/2020		
2	106.00	10/14/2020	6.90	10/14/2020	85.5	10/14/2020	10/19/2020		
3	103.20	10/21/2020	7.10	10/21/2020	79.4	10/21/2020	10/23/2020		
4	98.20	10/28/2020	7.60	10/28/2020	79.1	10/28/2020	11/02/2020		
5									

No monthly injectate samples required.