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

Submitted 04/27/2020 **Approved** 04/27/2020 **KOLAR Document ID** 1514020

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	1,347	0.89	135	134	-21.5	-25.8	
Monthly Maximum	1,485	1.19	152	150	23.0	-25.4	
Monthly Minimum	1,287	0.64	118	116	-24.0	-26.3	
Monthly Total	41,752						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
168.50	109.40	-25.20	-26.30

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	11:30	1,334.12	1.12	143	142.2	-22	-25.7	22			GAO		
2	08:00	1,388.31	0.71	135	133.7	-23	-26.0	21			BC		
3	08:10	1,400.55	0.86	144	139.7	-24	-25.9	22			BC		
4	11:00	1,444.00	0.90	140	141.0	-23	-25.8	21			BC		
5	08:15	1,484.52	0.81	138	136.8	-23	-25.7	21			BC		
6	08:00	1,375.60	0.64	136	135.3	-23	-25.9	21			BC		
7	08:47	1,319.81	1.00	136	135.7	-23	-25.7	21			TN		
8	08:00	1,329.05	0.93	134	132.4	-23	-25.9	21			TN		
9	08:00	1,434.02	0.83	140	138.0	-23	-25.8	21			BC		
10	08:15	1,418.24	0.79	120	118.8	-23	-26.0	21			BC		
11	11:00	1,318.19	0.83	125	124.6	23	-25.8	21			BC		
12	12:21	1,320.79	0.83	136	124.8	-23	-25.6	22			BC		
13	08:45	1,341.29	1.02	120	118.5	-23	-25.8	21			BC		
14	08:50	1,345.10	0.86	118	115.6	-24	-25.9	21			SW		
15	10:15	1,340.76	1.00	119	117.0	-23	-25.9	21			SW		
16	07:45	1,347.71	0.83	118	117.1	-23	-25.9	21			BC		
17	10:00	1,344.57	0.76	120	117.5	-23	-25.8	21			BC		
18	10:50	1,334.29	1.19	124	121.6	-23	-25.7	22			BC		
19	08:40	1,318.02	0.88	125	123.6	-23	-25.6	22			BC		
20	08:30	1,346.98	1.07	130	132.5	-23	-26.3	21			BC		
21	09:45	1,345.36	0.83	137	136.7	-23	-25.9	21			PS		
22	10:04	1,353.12	0.93	144	138.4	-23	-26.0	21			PS		
23	08:20	1,306.90	1.05	145	146.8	-23	-25.6	22			BC		
24	07:15	1,301.12	0.88	145	143.0	-23	-25.6	21			BC		
25	11:00	1,286.55	0.81	145	143.9	-23	-25.6	22			BC		
26	08:00	1,288.62	0.86	150	149.8	-23	-25.5	22			BC		
27	08:45	1,293.79	0.90	150	147.1	-22	-25.6	22			BC		
28	08:40	1,321.21	0.79	152	150.1	-22	-25.5	23			SW		
29	09:30	1,335.43	0.98	142	141.3	-23	-25.7	22			SW		
30	08:00	1,320.83	0.90	140	140.1	-23	-25.6	22			BC		
31	08:10	1,313.19	0.83	145	142.6	-23	-25.4	22			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	104.39	03/04/2020	9.00	03/04/2020	25.6	03/04/2020	03/06/2020		
2	104.57	03/11/2020	9.10	03/11/2020	26.1	03/11/2020	03/13/2020		
3	106.18	03/18/2020	8.90	03/18/2020	26.1	03/18/2020	03/21/2020		
4	106.64	03/25/2020	6.90	03/25/2020	26.9	03/25/2020	03/29/2020		
5									

No monthly injectate samples required.