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

Submitted 08/17/2020 **Approved** 08/18/2020 **KOLAR Document ID** 1526765

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	982	0.69	123	121	-26.5	-25.0	
Monthly Maximum	1,366	1.02	135	131	-20.0	-17.9	
Monthly Minimum	539	0.26	118	116	-29.0	-25.7	
Monthly Total	30,441						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
133.40	112.10	-10.80	-25.80

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	10:50	538.50	0.55	135	131.0	-29	-25.5	20			BC		
2	08:20	755.00	0.67	121	123.2	-26	-25.5	19			RC		
3	08:45	810.33	0.55	130	125.0	-26	-25.5	19			RC		
4	08:35	816.62	0.60	128	125.8	-27	-25.4	20			RTM		
5	08:30	759.52	0.48	130	126.3	-26	-25.4	20			RC		
6	08:30	693.12	0.26	130	124.8	-27	-25.5	19			BC		
7	11:20	684.83	0.43	130	126.7	-27	-25.4	20			BC		
8	11:00	687.19	0.50	130	125.7	-27	-25.4	20			BC		
9	08:30	694.71	0.50	120	117.7	-27	-25.7	19			BC		
10	09:00	694.86	0.52	118	120.1	-26	-25.6	19			RC		
11	08:30	710.45	0.62	120	120.3	-26	-25.5	20			RC		
12	08:45	714.12	0.52	123	120.5	-27	-25.5	20			RC		
13	07:55	731.69	0.31	118	118.0	-27	-25.5	19			RC		
14	10:15	674.90	0.48	120	117.7	-27	-25.5	19			BC		
15	11:00	940.69	0.62	125	118.8	-27	-25.4	20			BC		
16	10:30	915.17	0.76	120	115.7	-27	-25.6	20			BC		
17	10:00	952.26	0.67	120	119.1	-27	-25.4	20			BC		
18	07:20	1,085.40	0.88	120	117.9	-27	-25.4	20			SW		
19	07:55	1,010.67	0.64	120	118.4	-27	-25.3	20			SW		
20	07:00	1,074.21	0.76	120	117.6	-23	-20.7	20			SW		
21	09:00	1,325.52	0.93	122	120.6	-27	-25.6	21			SW		
22	11:00	1,366.31	1.00	130	125.9	-20	-17.9	21			BC		
23	10:00	1,309.26	0.81	125	122.8	-27	-25.4	21			BC		
24	08:15	1,304.14	0.93	120	121.3	-27	-25.3	21			BC		
25	08:15	1,308.24	0.95	120	121.0	-27	-25.3	21			BC		
26	08:30	1,311.19	1.00	124	122.3	-27	-25.1	21			RC		
27	08:45	1,314.69	0.76	120	120.8	-27	-25.3	21			RC		
28	09:00	1,311.45	0.90	118	118.5	-27	-25.3	21			RC		
29	11:00	1,317.50	0.95	120	118.2	-27	-25.3	21			BC		
30	10:30	1,321.43	0.86	120	116.7	-27	-25.4	21			BC		
31	10:30	1,306.64	1.02	125	122.8	-27	-25.5	20			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	106.36	07/01/2020	8.80	07/01/2020	118.0	07/29/2020	08/01/2020		
2	106.90	07/08/2020	8.60	07/08/2020	93.0	07/22/2020	07/24/2020		
3	105.28	07/15/2020	7.00	07/15/2020	89.0	07/15/2020	07/18/2020		
4	112.23	07/22/2020	5.90	07/22/2020	90.0	07/08/2020	07/10/2020		
5	110.41	07/29/2020	6.70	07/29/2020	92.0	07/01/2020	07/06/2020		

No monthly injectate samples required.