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

Submitted 04/25/2023 **Approved** 04/28/2023 **KOLAR Document ID** 1711038

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	1,914	1.26	136	134	-26.9	-26.3	
Monthly Maximum	2,275	1.79	160	161	-25.0	-24.9	
Monthly Minimum	970	0.26	113	110	-28.0	-26.9	
Monthly Total	59,326						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
180.30	110.10	-24.40	-27.20

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	20:00	969.60	0.57	120	119.8	-27	-26.6	20			SW		
2	09:00	1,305.31	1.02	114	111.5	-27	-26.6	20			TR		
3	08:45	1,512.90	1.07	113	110.2	-27	-26.7	19			MM		
4	08:57	1,816.83	1.05	114	113.3	-27	-26.8	20			BM		
5	08:41	2,048.12	1.43	114	113.8	-27	-26.9	19			BM		
6	09:00	1,571.52	1.02	118	116.8	-27	-26.8	20			TR		
7	09:00	1,406.67	0.95	114	112.8	-27	-26.8	20			TR		
8	09:00	1,622.98	0.95	116	114.0	-27	-26.6	20			TR		
9	09:00	1,420.00	0.98	118	116.2	-27	-26.8	20			TR		
10	08:30	1,703.19	1.00	116	113.9	-28	-26.9	19			MM		
11	07:05	1,646.88	1.40	130	126.8	-28	-26.4	22			SW		
12	08:00	2,007.02	1.00	125	122.8	-28	-26.7	21			SW		
13	08:00	2,117.48	1.62	137	136.0	-28	-26.8	23			MM		
14	09:00	2,235.86	1.79	140	141.8	-27	-26.6	24			TR		
15	09:00	1,725.93	1.19	120	119.8	-27	-26.8	23			TR		
16	09:00	2,274.74	1.52	160	159.8	-26	-24.9	26			TR		
17	09:00	2,220.05	1.26	144	143.3	-27	-25.7	24			MM		
18	07:03	2,079.93	1.12	150	132.2	-27	-26.8	22			PS		
19	07:15	1,945.36	1.17	147	140.2	-27	-26.0	22			PS		
20	08:00	2,070.55	1.19	140	137.1	-27	-26.2	24			TR		
21	08:00	2,201.14	1.74	150	148.9	-26	-25.9	25			TR		
22	07:00	2,204.07	1.55	158	156.7	-25	-25.3	26			TR		
23	07:00	2,233.31	1.76	160	161.4	-27	-25.8	26			TR		
24	08:00	2,244.69	1.52	152	150.3	-27	-26.0	25			MM		
25	08:45	2,182.88	1.60	155	151.3	-27	-25.8	25			SW		
26	07:45	2,165.21	1.40	148	145.2	-27	-26.1	25			SW		
27	07:45	2,197.60	0.26	142	141.7	-27	-26.4	24			TR		
28	07:45	2,174.40	1.50	145	143.3	-26	-26.3	24			TR		
29	11:00	2,151.33	1.50	150	148.8	-26	-25.7	25			TR		
30	08:15	2,125.74	1.50	143	141.4	-27	-25.8	26			MM		
31	08:00	1,745.05	1.43	157	152.8	-26	-25.4	27			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	68.50	03/01/2023	6.50	03/01/2023	125.0	03/01/2023	03/06/2023		
2	65.90	03/08/2023	5.70	03/08/2023	72.2	03/08/2023	03/09/2023		
3	72.00	03/15/2023	5.80	03/15/2023	84.5	03/15/2023	03/21/2023		
4	102.50	03/22/2023	7.20	03/22/2023	187.0	03/22/2023	03/24/2023		
5	114.40	03/29/2023	6.70	03/29/2023	170.0	03/29/2023	04/04/2023		

No monthly injectate samples required.