Facility Well Name Hutch #1 **UIC Permit #** KS-01-155-011 **Month** July **Year** 2020

Submitted 08/04/2020 **Approved** 08/04/2020 **KOLAR Document ID** 1525680

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 54,762

			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	26,526	17.71	132	131	-23.9	-25.0	0
Monthly Maximum	38,095	27.00	140	136	-16.0	-15.7	0
Monthly Minimum	15,857	4.10	128	127	-26.0	-27.2	0
Monthly Total	822,310						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
139.21	125.51	-13.52	-27.28

Comments:

Hutch #1 07/2020

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	14:17	38,095.24	16.36	140	136.2	-25	-26.2	17		0	RT		
2	08:40	21,904.76	21.98	130	129.8	-24	-24.4	16		0	MP		
3	08:55	29,190.48	24.71	130	127.9	-23	-24.3	16		0	JWH		
4	08:05	23,500.00	13.76	130	128.9	-25	-26.5	16		0	JWH		
5	08:15	25,952.38	19.31	130	130.0	-25	-25.6	16		0	JWH		
6	10:20	31,309.52	18.45	130	135.2	-26	-26.2	16		0	RLT		
7	08:50	22,476.19	22.52	130	131.7	-24	-25.1	16		0	RLT		
8	08:57	32,500.00	21.88	130	132.0	-24	-25.2	17		0	RLT		
9	09:10	24,738.10	11.02	130	127.3	-24	-26.4	16		0	RLT		
10	09:02	23,761.90	10.79	130	126.9	-25	-26.7	17		0	JWH		
11	08:06	23,857.14	17.86	130	128.7	-24	-26.0	16		0	CM		
12	09:55	24,761.90	17.00	135	132.8	-26	-26.0	16		0	CM		
13	08:40	24,261.90	21.79	134	129.9	-24	-25.1	16		0	JWH		
14	08:40	29,428.57	27.00	132	129.6	-18	-21.6	17		0	JWH		
15	09:23	25,785.71	15.12	131	128.9	-25	-26.3	16		0	JWH		
16	09:07	24,142.86	16.88	130	127.7	-25	-26.1	16		0	JWH		
17	09:12	23,285.71	26.52	131	129.7	-16	-15.7	17		0	CM		
18	10:30	26,142.86	24.14	135	134.1	-24	-24.7	17		0	MP		
19	10:50	27,142.86	10.90	135	134.0	-26	-26.8	17		0	MP		
20	11:34	32,214.29	4.10	130	131.1	-26	-27.2	17		0	RLT		
21	15:18	30,000.00	14.26	136	135.0	-26	-26.4	17		0	CM		
22	08:26	15,857.14	13.90	131	130.5	-26	-26.4	16		0	CM		
23	09:46	27,285.71	9.24	130	132.9	-26	-26.9	17		0	RLT		
24	10:50	28,523.81	26.14	130	132.7	-19	-18.0	17		0	MP		
25	10:00	26,428.57	16.62	135	132.6	-26	-26.7	17		0	RT		
26	08:10	26,071.43	15.29	135	130.2	-25	-26.3	17		0	RT		
27	08:54	29,833.33	24.67	132	128.8	-23	-24.8	17		0	JWH		
28	02:41	31,404.76	15.93	135	131.9	-25	-26.3	17		0	JWH		
29	09:10	22,023.81	13.38	130	130.3	-25	-26.3	17		0	MP		
30	09:05	23,666.67	11.10	128	127.5	-24	-26.6	17		0	MP		
31	09:20	26,761.90	26.29	130	130.0	-17	-17.1	17		0	MP		

Hutch #1 07/2020

Weekly Injectate Samples

Kansas Lab Certificate Number E-60649

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	77.50	07/06/2020	7.40	07/06/2020	630.0	07/06/2020	07/06/2020		
2	71.10	07/13/2020	6.90	07/13/2020	450.0	07/13/2020	07/13/2020		
3	68.70	07/20/2020	7.20	07/20/2020	579.0	07/20/2020	07/20/2020		
4	66.60	07/27/2020	7.30	07/27/2020	610.0	07/27/2020	07/27/2020		
5									

No monthly injectate samples required.