Facility Well Name CHS Refinery #3 **UIC Permit #** KS-01-113-010 **Month** April **Year** 2022

Submitted 05/19/2022 **Approved** 05/31/2022 **KOLAR Document ID** 1644254

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 30

Barrels per Day Maximum: 51,429

			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	3,662	2.54	100	100	2.1	2.8	
Monthly Maximum	6,645	4.62	112	114	5.0	4.1	
Monthly Minimum	779	0.55	90	90	2.0	2.7	
Monthly Total	109,851						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
135.92	89.41	15.98	2.28

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	07:00	2,020.81	1.40	94	93.4	2	2.7	3			MH		
2	07:00	1,714.29	1.19	96	95.0	2	2.7	3			MH		
3	07:00	1,693.71	1.17	98	98.6	2	2.7	4			MH		
4	07:00	1,683.76	1.17	98	99.2	2	2.7	4			TY		
5	07:00	1,654.62	1.14	100	99.4	2	2.7	4			JC		
6	07:00	1,256.90	0.88	96	98.1	2	2.8	3			CG		
7	07:00	1,037.48	0.71	91	92.3	2	2.8	3			CG		
8	07:00	1,384.81	0.95	90	89.8	2	2.7	3			TY		
9	07:00	2,094.86	1.45	100	101.2	2	2.7	6			TY		
10	07:00	5,892.33	4.10	110	113.8	2	2.7	8			JC		
11	07:00	5,782.62	4.02	105	106.2	2	2.7	7			MW		
12	07:00	5,676.00	3.95	110	111.5	2	2.7	8			MW		
13	07:00	5,813.14	4.05	104	105.0	2	2.7	8			TY		
14	07:00	6,208.45	4.31	100	99.6	2	2.7	7			TY		
15	07:00	5,936.24	4.12	102	102.9	2	2.7	7			MW		
16	07:00	6,032.24	4.19	99	98.5	2	2.7	7			MW		
17	07:00	5,986.29	4.17	100	101.4	2	2.7	7			MW		
18	07:00	6,477.95	4.50	100	101.4	2	2.7	7			BD		
19	07:00	6,252.00	4.33	100	102.0	2	2.8	7			BD		
20	07:00	6,644.57	4.62	105	105.0	5	4.1	7			MB		
21	07:00	6,489.95	4.50	105	104.6	2	2.7	8			MB		
22	07:00	3,736.45	2.60	112	110.9	2	2.9	8			BD		
23	07:00	1,316.90	0.90	100	100.7	2	2.7	6			BD		
24	07:00	1,143.76	0.79	98	95.6	2	2.8	5			BD		
25	07:00	1,197.26	0.83	92	91.6	2	2.8	5			MH		
26	07:00	1,173.95	0.81	91	90.3	2	2.8	5			MH		
27	07:00	779.31	0.55	90	90.5	2	2.9	5			BD		
28	07:00	2,838.86	1.98	104	104.9	2	2.7	8			BD		
29	07:00	4,889.14	3.40	105	106.6	2	2.8	8			CG		
30	07:00	5,042.05	3.50	100	101.3	2	2.7	8			CG		
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Weekly Injectate Samples

Kansas Lab Certificate Number E-10116

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	70.00	04/05/2022	7.25	04/05/2022	648.0	04/05/2022	04/28/2022		
2	86.00	04/12/2022	7.84	04/12/2022	695.0	04/12/2022	04/29/2022		
3	82.20	04/19/2022	7.40	04/19/2022	744.0	04/19/2022	04/28/2022		
4	74.40	04/26/2022	7.85	04/26/2022	512.0	04/26/2022	05/09/2022		
5									

No monthly injectate samples required.