Facility Well Name CHS Refinery #2 **UIC Permit #** KS-01-113-009 **Month** May **Year** 2022

Submitted 06/24/2022 **Approved** 06/30/2022 **KOLAR Document ID** 1649757

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

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	14,154	9.83	97	95	2.5	1.5	
Monthly Maximum	21,680	15.05	106	104	5.0	3.7	
Monthly Minimum	10,480	7.29	86	86	1.0	0.8	
Monthly Total	438,776						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
114.45	85.52	8.48	0.91

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	12,775.88	8.88	91	89.4	2	1.0	2			CG		
2	07:00	12,814.98	8.90	98	94.6	2	1.2	3			TY		
3	07:00	12,004.81	8.33	91	88.9	2	1.0	2			TY		
4	07:00	10,479.76	7.29	94	93.2	2	0.8	3			CG		
5	07:00	12,117.95	8.40	92	90.3	2	1.0	2			CG		
6	07:00	13,319.67	9.24	94	92.0	3	1.2	3			TY		
7	07:00	16,791.10	11.67	94	92.4	1	1.4	3			TY		
8	07:00	15,769.71	10.95	99	95.9	2	1.3	3			TY		
9	07:00	13,161.95	9.14	100	97.2	2	1.2	4			MW		
10	07:00	13,094.05	9.10	104	100.5	2	1.1	5			MW		
11	07:00	12,749.14	8.86	105	103.8	2	1.1	6			TY		
12	07:00	15,932.90	11.07	96	94.8	2	1.1	3			TY		
13	07:00	14,683.19	10.19	98	97.7	2	1.1	5			MB		
14	07:00	12,233.83	8.50	100	97.1	2	1.1	5			MB		
15	07:00	13,487.31	9.36	100	97.4	2	1.0	6			MB		
16	07:00	15,241.71	10.60	92	92.0	2	1.1	4			BD		
17	07:00	14,038.98	9.74	96	94.9	2	1.2	5			BD		
18	07:00	13,719.43	9.52	100	100.3	5	3.4	6			MB		
19	07:00	17,643.43	12.26	96	93.4	3	1.8	4			MB		
20	07:00	13,061.48	9.07	96	90.8	2	1.2	4			BD		
21	07:00	11,596.45	8.05	86	86.4	2	1.0	3			BD		
22	07:00	10,675.88	7.40	98	94.9	2	1.1	5			BD		
23	07:00	11,574.52	8.05	94	91.8	2	1.1	4			CG		
24	07:00	12,864.69	8.93	94	91.4	2	1.1	3			CG		
25	07:00	15,294.86	10.62	90	88.1	4	3.0	2			BD		
26	07:00	21,680.24	15.05	90	90.2	3	1.6	1			BD		
27	07:00	19,658.05	13.64	94	90.5	5	3.6	1			CG		
28	07:00	17,128.81	11.90	104	100.6	2	1.6	2			CG		
29	07:00	13,283.67	9.21	105	103.2	2	1.3	3			CG		
30	07:00	12,911.67	8.98	106	104.0	5	3.7	3			TY		
31	07:00	16,986.17	11.79	102	103.4	4	2.3	5			TY		

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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	84.00	05/03/2022	7.28	05/03/2022	778.0	05/03/2022	05/21/2022		
2	90.00	05/10/2022	7.25	05/10/2022	938.0	05/10/2022	05/21/2022		
3	88.50	05/17/2022	7.40	05/17/2022	554.0	05/17/2022	06/09/2022		
4	84.80	05/24/2022	7.48	05/24/2022	840.0	05/24/2022	06/02/2022		
5	94.60	05/31/2022	7.75	05/31/2022	636.0	05/31/2022	06/02/2022		

No monthly injectate samples required.