Facility Well Name CHS Refinery #1 **UIC Permit #** KS-01-113-008 **Month** February **Year** 2022

Submitted 03/22/2022 **Approved** 03/28/2022 **KOLAR Document ID** 1635581

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

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	14,123	9.81	100	98	1.8	1.0	
Monthly Maximum	17,934	12.45	104	103	2.0	1.6	
Monthly Minimum	8,276	5.74	90	88	1.0	0.7	
Monthly Total	395,432						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
115.12	85.37	13.13	0.50

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	17,179.88	11.93	90	87.7	2	1.0	5			MH		
2	07:00	17,448.00	12.12	95	96.4	2	1.3	6			MD		
3	07:00	16,802.74	11.67	102	101.4	2	1.0	4			TP		
4	07:00	16,264.81	11.29	102	100.6	2	1.2	4			MH		
5	07:00	12,635.31	8.79	102	101.1	2	0.7	4			CG		
6	07:00	15,350.05	10.67	103	102.9	2	1.3	5			CG		
7	07:00	14,426.05	10.02	102	100.1	2	1.1	5			BD		
8	07:00	16,427.31	11.40	100	97.0	1	0.9	4			BD		
9	07:00	15,483.43	10.76	100	96.1	2	1.0	5			BD		
10	07:00	16,196.24	11.24	100	96.8	2	1.2	6			BD		
11	07:00	16,432.45	11.40	100	98.5	2	1.2	6			TY		
12	07:00	17,934.17	12.45	102	99.2	2	1.0	6			TY		
13	07:00	16,980.69	11.79	98	96.7	2	1.0	5			TY		
14	07:00	16,980.33	11.79	99	96.6	2	0.9	5			MW		
15	07:00	15,415.88	10.71	97	93.7	1	0.7	3			MW		
16	07:00	9,025.02	6.26	96	91.3	2	0.7	3			TY		
17	07:00	8,276.24	5.74	104	102.4	2	1.3	4			BD		
18	07:00	14,965.38	10.38	102	99.3	2	1.3	5			MW		
19	07:00	16,794.52	11.67	102	98.1	1	1.5	5			MW		
20	07:00	12,966.86	9.00	100	97.0	2	0.8	4			MW		
21	07:00	11,122.98	7.71	100	97.1	2	0.9	3			BD		
22	07:00	11,819.31	8.21	98	97.4	2	0.8	3			BF		
23	07:00	10,037.14	6.98	100	98.0	1	0.8	3			MB		
24	07:00	10,390.29	7.21	102	100.8	1	0.9	3			MW		
25	07:00	10,589.48	7.36	98	96.9	1	0.8	3			BD		
26	07:00	11,083.88	7.69	101	99.7	2	0.9	3			BD		
27	07:00	13,131.10	9.12	100	98.9	2	0.8	4			BD		
28	07:00	13,272.33	9.21	102	98.3	2	1.6	4			CG		
29													
30													
31													

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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	65.80	02/01/2022	7.45	02/01/2022	662.0	02/01/2022	02/17/2022		
2	65.10	02/08/2022	7.65	02/08/2022	906.0	02/08/2022	02/17/2022		
3	72.00	02/15/2022	7.04	02/15/2022	1,340.0	02/15/2022	02/17/2022		
4	78.00	02/22/2022	7.03	02/22/2022	824.0	02/22/2022	03/10/2022		
5									

No monthly injectate samples required.