Facility Well Name Wheatland Electric #1 **UIC Permit #** KS-01-055-003 **Month** May **Year** 2019

Submitted 06/12/2019 **Approved** 06/18/2019 **KOLAR Document ID** 1462856

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

Barrels per Day Maximum: 44,571

			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	10,661	7.31	324	324	-25.0	-11.6	
Monthly Maximum	17,143	7.40	334	334	-25.0	-11.4	
Monthly Minimum	6,905	6.67	293	293	-25.0	-11.7	
Monthly Total	330,476						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
469.00	299.00	8.00	-25.00

Comments:

Wheatland Electric #1 05/2019

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	Meter Reading 2847.06	
1	07:00	10,476.19	7.36	324	324.0	-25	-11.6	29			PS	2,847.50	
2	07:15	11,428.57	7.38	326	326.0	-25	-11.7	29			PS	2,847.98	
3	07:05	9,523.81	7.31	326	326.0	-25	-11.7	29			PS	2,848.38	
4	07:25	10,714.29	7.36	309	309.0	-25	-11.7	29			PS	2,848.83	
5	08:30	11,190.48	7.38	320	320.0	-25	-11.6	29			PS	2,849.30	
6	07:15	10,000.00	7.38	320	320.0	-25	-11.6	29			PS	2,849.72	
7	07:15	10,476.19	7.40	327	327.0	-25	-11.7	29			PS	2,850.16	
8	08:50	11,428.57	7.38	325	325.0	-25	-11.6	29			PS	2,850.64	
9	07:25	10,000.00	7.40	326	326.0	-25	-11.6	29			PS	2,851.06	
10	07:10	10,476.19	7.40	322	322.0	-25	-11.7	29			PS	2,851.50	
11	07:15	10,714.29	7.31	321	321.0	-25	-11.7	29			FL	2,851.95	
12	07:05	10,476.19	7.33	327	327.0	-25	-11.6	29			FL	2,852.39	
13	07:50	10,952.38	7.36	328	328.0	-25	-11.7	29			FL	2,852.85	
14	07:00	10,238.10	7.36	329	329.0	-25	-11.6	29			PS	2,853.28	
15	07:10	10,476.19	7.36	330	330.0	-25	-11.7	29			PS	2,853.72	
16	07:20	10,714.29	7.36	332	332.0	-25	-11.6	29			PS	2,854.17	
17	07:25	10,476.19	7.36	334	334.0	-25	-11.4	29			PS	2,854.61	
18	08:55	11,666.67	7.36	293	293.0	-25	-11.6	29			PS	2,855.10	
19	09:00	9,761.90	7.24	324	324.0	-25	-11.7	29			PS	2,855.51	
20	07:10	10,714.29	7.10	318	318.0	-25	-11.6	29			PS	2,855.96	
21	07:20	6,904.76	7.33	323	323.0	-25	-11.4	29			PS	2,856.25	
22	07:01	17,142.86	7.24	311	311.0	-25	-11.5	29			PS	2,856.97	
23	07:10	10,952.38	7.36	329	329.0	-25	-11.7	29			PS	2,857.43	
24	07:30	10,714.29	7.36	328	328.0	-25	-11.7	29			PS	2,857.88	
25	07:30	10,238.10	6.93	333	333.0	-25	-11.7	29			FL	2,858.31	
26	07:35	9,761.90	7.24	328	328.0	-25	-11.6	29			FL	2,858.72	
27	07:15	10,714.29	7.40	327	327.0	-25	-11.7	29			FL	2,859.17	
28	07:50	10,714.29	7.38	330	330.0	-25	-11.5	29			FL	2,859.62	
29	07:25	10,476.19	7.40	322	322.0	-25	-11.7	29			PS	2,860.06	
30	06:55	10,476.19	7.40	321	321.0	-25	-11.7	29			PS	2,860.50	
31	06:55	10,476.19	6.67	324	324.0	-25	-11.7	29			PS	2,860.94	

Weekly Injectate Samples

Kansas Lab Certificate Number

Week	Temperature		pH		Chloride				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	63.10	05/06/2019	7.52	05/06/2019	718.0	05/06/2019	05/10/2019		
2	63.00	05/13/2019	7.55	05/13/2019	694.0	05/13/2019	05/17/2019		
3	62.90	05/20/2019	7.43	05/20/2019	614.0	05/20/2019	05/24/2019		
4	63.00	05/27/2019	7.55	05/27/2019	794.0	05/27/2019	06/07/2019		
5									

No monthly injectate samples required.

Quarterly Injectate Samples

Quarter 2
Date Sample Collected 05/13/2019
Kansas Lab Certificate Number E-10116
Lab Name Pace Analytical-Lenexa

These samples shall be representative of injection activity and shall therefore be collected on days of injection.

Constituent	Value	Units
Calcium	933.000	mg/l
Conductivity	10,800.000	Mmhos
Magnesium	568.000	mg/l
Sodium	1,170.000	mg/l
Sulfate	6,430.000	mg/l
Total Alkalinity as CaCO3	1,080.000	mg/l
Total Dissolved Solids	13,000.000	mg/l