Facility Well Name Williams (Mitchell) #2 **UIC Permit #** KS-01-159-008 **Month** February **Year** 2022

Submitted 03/27/2022 **Approved** 03/31/2022 **KOLAR Document ID** 1636364

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 29,762

			Annulus Pressure psig min 50		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	13,561	9.41	84	84	-21.3	-23.6	0
Monthly Maximum	16,736	11.62	90	90	-20.0	-23.1	0
Monthly Minimum	8,949	6.21	79	78	-23.0	-24.0	0
Monthly Total	379,699						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
95.18	77.25	-22.62	-25.25

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	Meter Reading	
1	09:00	8,948.57	6.21	80	80.6	-20	-23.3	29	N/A	0	DS	518,363,50(	
2	01:30	16,735.71	11.62	80	78.1	-20	-23.6	29	N/A	0	DS	519,066,40(	
3	08:30	11,154.76	7.74	79	78.0	-22	-23.7	29	N/A	0	DS	519,534,90(	
4	10:00	14,764.29	10.26	81	80.6	-20	-23.9	28	N/A	0	DS	520,155,00(	
5	09:30	13,633.33	9.48	85	83.5	-21	-23.6	28	N/A	0	DS	520,727,60(	
6	10:20	14,471.43	10.05	87	86.5	-21	-23.6	29	N/A	0	TS	521,335,40(	
7	08:50	13,078.57	9.07	83	83.6	-20	-23.8	28	N/A	0	DS	521,884,70(	
8	08:52	14,059.52	9.76	83	85.7	-21	-23.4	28	N/A	0	TH	522,475,20(	
9	12:39	16,157.14	11.21	90	89.9	-22	-23.4	29	N/A	0	TH	523,153,80(	
10	15:00	15,369.05	10.67	90	89.9	-22	-23.3	28	N/A	0	TH	523,799,30(	
11	10:50	11,373.81	7.90	88	88.0	-22	-23.4	29	N/A	0	BK	524,277,00(	
12	09:33	13,397.62	9.31	80	81.0	-22	-23.9	29	N/A	0	BK	524,839,70(	
13	07:57	13,209.52	9.17	84	83.0	-22	-23.8	29	N/A	0	BK	525,394,50(	
14	08:53	14,402.38	10.00	84	85.0	-20	-23.8	29	N/A	0	BK	525,999,40(	
15	10:15	12,111.90	8.40	90	88.2	-21	-23.5	29	N/A	0	TS	526,508,10(	
16	08:30	10,976.19	7.62	89	85.7	-23	-23.3	29	N/A	0	TS	526,969,10(	
17	13:20	15,428.57	10.71	83	83.2	-20	-23.8	29	N/A	0	TS	527,617,10(	
18	09:36	11,323.81	7.86	83	83.2	-22	-23.7	29	N/A	0	TH	528,092,70(	
19	09:33	13,866.67	9.62	83	83.5	-23	-24.0	29	N/A	0	TH	528,675,10(	
20	09:31	12,985.71	9.02	88	87.5	-21	-23.3	29	N/A	0	TH	529,220,50(	
21	08:43	13,157.14	9.14	88	87.2	-22	-23.1	29	N/A	0	TH	529,773,10(	
22	08:50	14,140.48	9.81	80	79.5	-20	-23.6	28	N/A	0	DS	530,367,00(	
23	12:30	16,450.00	11.43	83	82.7	-22	-23.9	29	N/A	0	DS	531,057,90(	
24	10:40	13,007.14	9.02	83	82.7	-21	-23.9	29	N/A	0	DS	531,604,20(	
25	09:15	13,314.29	9.24	83	82.2	-22	-23.9	29	N/A	0	TS	532,163,40(	
26	08:08	13,535.71	9.40	85	82.7	-21	-23.9	29	N/A	0	TS	532,731,90(	
27	07:30	13,928.57	9.67	83	82.9	-21	-23.9	29	N/A	0	TS	533,316,90(	
28	08:00	14,716.67	10.21	87	86.1	-22	-23.6	29	N/A	0	TS	533,935,00(	
29													
30													
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Weekly Injectate Samples

Kansas Lab Certificate Number E-10152

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	65.30	02/04/2022	6.84	02/04/2022	66,800.0	02/04/2022	02/16/2022		
2	54.20	02/11/2022	6.52	02/11/2022	121,200.0	02/11/2022	02/16/2022		
3	47.50	02/18/2022	6.74	02/18/2022	116,200.0	02/18/2022	03/14/2022		
4	72.40	02/25/2022	6.64	02/25/2022	111,200.0	02/25/2022	03/14/2022		
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 1
Date Sample Collected 01/28/2022
Kansas Lab Certificate Number E-10152
Lab Name SDK Laboratories (Hutchinson)

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

Constituent	Value	Units
Calcium	1,390.000	mg/l
Conductivity	312.300	Mmhos
Iron	21.600	mg/l
Magnesium	94.500	mg/l
Sulfate	3,100.000	mg/l
Total Alkalinity as CaCO3	246.000	mg/l
Total Dissolved Solids	169,600.000	mg/l
Total Hardness as CaCO3	3,860.000	mg/l