Facility Well Name Williams (Mitchell) #1 **UIC Permit #** KS-01-159-002 **Month** April **Year** 2023

Submitted 05/23/2023 **Approved** 05/26/2023 **KOLAR Document ID** 1714785

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 1

Barrels per Day Maximum: 20,476

			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	118	0.08	91	91	-1.6	-2.1	2
Monthly Maximum	3,552	2.48	106	108	0.0	1.5	48
Monthly Minimum	0	0.00	80	77	-4.0	-4.0	0
Monthly Total	3,552						48

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
109.70	77.11	1.51	-26.88

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	08:45	0.00	0.00	86	86.0	0	0.0	23	N/A	0	DS	63,441,800.	
2	08:40	0.00	0.00	89	89.0	0	0.0	23	N/A	0	DS	63,441,800.	
3	09:15	0.00	0.00	91	91.0	0	0.0	23	N/A	0	DS	63,441,800.	
4	10:55	0.00	0.00	96	94.4	0	1.5	23	N/A	0	TS	63,441,800.	
5	14:55	3,552.38	2.48	99	98.2	0	0.2	18	N/A	0	TS	63,591,000.	
6	08:30	0.00	0.00	98	96.7	0	-0.3	21	N/A	0	TS	63,591,000.	
7	07:27	0.00	0.00	100	97.6	0	-0.8	21	N/A	0	TH	63,591,000.	
8	08:30	0.00	0.00	102	100.2	-1	-1.0	21	N/A	0	TH	63,591,000.	
9	09:49	0.00	0.00	103	103.5	0	-1.3	21	N/A	0	TH	63,591,000.	
10	09:14	0.00	0.00	103	103.8	-1	-1.7	21	N/A	0	TH	63,591,000.	
11	11:45	0.00	0.00	105	108.0	-2	-1.9	22	N/A	0	BJ	63,591,000.	
12	10:00	0.00	0.00	106	106.0	-2	-2.0	22	N/A	0	BJ	63,591,000.	
13	11:00	0.00	0.00	82	82.0	-2	-2.0	44	Diesel	48	BJ	63,591,000.	
14	11:45	0.00	0.00	82	80.5	0	-2.0	44	N/A	0	TS	63,591,000.	
15	11:30	0.00	0.00	80	77.2	0	-2.9	44	N/A	0	TS	63,591,000.	
16	12:30	0.00	0.00	88	85.3	0	-3.2	44	N/A	0	TS	63,591,000.	
17	10:30	0.00	0.00	86	85.7	0	-3.1	44	N/A	0	TS	63,591,000.	
18	09:23	0.00	0.00	86	85.9	-2	-2.9	44	N/A	0	BK	63,591,000.	
19	09:06	0.00	0.00	88	86.2	-3	-3.0	44	N/A	0	TH	63,591,000.	
20	01:57	0.00	0.00	87	86.8	-3	-3.0	44	N/A	0	TH	63,591,000.	
21	08:39	0.00	0.00	86	85.6	-4	-3.8	44	N/A	0	TH	63,591,000.	
22	09:30	0.00	0.00	86	86.0	-4	-4.0	44	N/A	0	BJ	63,591,000.	
23	10:00	0.00	0.00	90	90.0	-3	-3.0	44	N/A	0	BJ	63,591,000.	
24	10:00	0.00	0.00	90	90.0	-4	-4.0	44	N/A	0	BJ	63,591,000.	
25	08:30	0.00	0.00	88	88.0	-3	-3.0	44	N/A	0	DS	63,591,000.	
26	09:00	0.00	0.00	88	88.0	-3	-3.0	44	N/A	0	DS	63,591,000.	
27	10:10	0.00	0.00	88	88.0	-3	-3.0	44	N/A	0	DS	63,591,000.	
28	08:38	0.00	0.00	88	87.9	-4	-3.6	44	N/A	0	BK	63,591,000.	
29	10:17	0.00	0.00	90	90.0	-3	-3.7	44	N/A	0	BK	63,591,000.	
30	09:56	0.00	0.00	90	90.0	-2	-3.7	44	N/A	0	BK	63,591,000.	
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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	59.20	04/04/2023	7.09	04/04/2023	27,500.0	04/04/2023	04/17/2023		
2									
3									
4									
5									

No monthly injectate samples required.

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Quarterly Injectate Samples

Quarter 2
Date Sample Collected 04/04/2023
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	1,400.000	mg/l
Conductivity	157.500	Mmhos
Iron	47.870	mg/l
Magnesium	114.000	mg/l
Sulfate	1,300.000	mg/l
Total Alkalinity as CaCO3	224.000	mg/l
Total Dissolved Solids	94,000.000	mg/l
Total Hardness as CaCO3	3,965.000	mg/l