Facility Well Name Williams (Conway West) #1 **UIC Permit #** KS-01-113-001 **Month** September **Year** 2020

Submitted 10/13/2020 **Approved** 10/20/2020 **KOLAR Document ID** 1532930

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 18

Barrels per Day Maximum: 47,619

			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	12,109	8.13	86	85	-26.5	-25.8	0
Monthly Maximum	28,493	19.79	94	92	-21.0	-21.0	0
Monthly Minimum	0	0.00	79	79	-30.0	-27.6	0
Monthly Total	351,152						0

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
94.05	77.93	-7.80	-27.64

Comments:

Williams (Conway West) #1 09/2020

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	12:40		0.00	83	82.7	-27	-26.7	42	N/A	0	BJ		
2	12:05	0.00	0.00	83	83.2	-27	-26.8	42	N/A	0	BJ		
3	14:15	0.00	0.00	83	83.0	-27	-26.9	42	N/A	0	BJ		
4	10:30	9,519.05	6.62	82	82.0	-27	-27.3	39	N/A	0	AW		
5	08:08	0.00	0.00	81	81.0	-29	-27.4	39	N/A	0	AW		
6	11:40	13,507.14	9.38	87	87.0	-30	-27.0	40	N/A	0	AW		
7	12:27	12,728.57	8.83	87	87.0	-30	-26.8	40	N/A	0	AW		
8	15:28	14,295.24	9.93	79	79.0	-27	-27.0	40	N/A	0	CC		
9	13:47	14,469.05	10.05	80	80.0	-21	-21.0	39	N/A	0	CC		
10	15:30	23,883.33	16.60	81	81.0	-26	-26.0	38	N/A	0	CC		
11	14:08	19,895.24	13.81	82	82.0	-26	-26.0	37	N/A	0	CC		
12	14:22	22,088.10	15.33	88	88.0	-26	-26.0	39	N/A	0	CC		
13	10:50	19,592.86	13.60	88	88.0	-21	-21.0	39	N/A	0	CC		
14	14:30	26,345.24	18.29	88	88.0	-26	-26.0	39	N/A	0	CC		
15	10:20	19,021.43	13.21	88	88.0	-24	-22.0	40	N/A	0	BK		
16	10:48	21,769.05	15.12	85	88.0	-24	-21.9	39	N/A	0	BK		
17	08:17	20,835.71	14.48	84	83.6	-26	-26.0	39	N/A	0	TH		
18	14:02	28,492.86	19.79	88	88.0	-25	-25.0	40	N/A	0	CC		
19	10:43	20,002.38	13.88	84	84.0	-26	-26.0	39	N/A	0	CC		
20	12:36	22,202.38	15.43	86	86.0	-22	-22.0	39	N/A	0	CC		
21	11:20	22,000.00	15.29	86	86.0	-24	-24.0	39	N/A	0	CC		
22	09:48	20,504.76	14.24	85	85.0	-30	-27.6	39	N/A	0	AW		
23	11:20	0.00	0.00	87	87.0	-27	-27.0	39	N/A	0	AW		
24	11:50	0.00	0.00	90	90.0	-27	-27.0	40	N/A	0	AW		
25	12:26	0.00	0.00	94	92.0	-30	-27.0	41	N/A	0	BK		
26	09:11	0.00	0.00	90	88.0	-30	-27.0	41	N/A	0	BK		
27	09:48	0.00	0.00	86	86.1	-28	-27.3	40	N/A	0	TH		
28	08:11	0.00	0.00	82	82.5	-28	-27.6	40	N/A	0	BK		
29	14:00	0.00	0.00	89	88.8	-28	-27.3	41	N/A	0	BJ		
30	15:30	0.00	0.00	90	90.0	-27	-27.0	41	N/A	0	BJ		
31													

Williams (Conway West) #1 09/2020

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	72.20	09/04/2020	7.09	09/04/2020	207,400.0	09/04/2020	10/08/2020		
2	69.30	09/11/2020	6.66	09/11/2020	212,400.0	09/11/2020	10/08/2020		
3	74.40	09/18/2020	6.60	09/18/2020	222,400.0	09/18/2020	10/08/2020		
4									
5									

No monthly injectate samples required.