

Facility Well Name

UIC Permit #

Month

Year

Submitted

Approved

KOLAR Document ID

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred:

Barrels per Day Maximum:

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min		Injection Pressure		Amount Added to Seal Pot
			Gauge psig	Cont. Record psig	Gauge psig	Cont. Record psig	
Monthly Average							
Monthly Maximum							
Monthly Minimum							
Monthly Total							

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig

Comments:

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		

No monthly injectate samples required.



1000 Corey Road
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 620-665-5661
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 TOLL FREE: 877-464-0623
 www.sdklabs.com

Sample # 455.19
 Sample: Wastewater
 Other ID: Sampled by Caden Shaw Mitch Disp #1 Quarterly-Grab

Date Received: 02/05/2019
 Date/Time Sampled: 1/30/2019 8:45:00
 Date Reported: 02/08/2019
 Total Fee: \$95.00

WILLIAMS ENERGY-CONWAY
 839 Kiowa Road
 MCPHERSON, KS 67460

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++Alkalinity, Total - SM 2320B	48.00	mg/L	2/6/2019 16:20	KW
++Total Hardness - SM 2340B	3788	mg/L		
++Calcium - SM 3111B	1230.00	mg/L	2/7/2019 14:45	JC
++Magnesium - SM 3111B	174.00	mg/L	2/7/2019 14:45	JC
++Sulfate - SM 4500 SO4 E	2630.00	mg/L	2/5/2019 14:00	KW
++Iron - SM 3120B	0.33	mg/L	2/7/2019 14:30	JC
++Electrical Conductivity - SM 2510B	264000	umhos/cm	2/5/2019 10:00	KW
++TDS-Total Dissolved Solids - SM 2540C	150300	mg/L	2/6/2019 08:40	SE

**Sample receipt temperature = 10.4 degrees C

* Denotes analysis was subcontracted to another laboratory for state compliance - see attached.
 Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
 ++Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.

Approved By: 
 Matt Hogan
 Quality Assurance Officer





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Sample # 1180.19
 Sample: Water
 Other ID: Sampled by Levi Baker Mitchell Disp #1 Grab

Date Received: 04/01/2019
 Date/Time Sampled: 3/6/2019 8:30:00
 Date Reported: 04/03/2019
 Total Fee: \$23.00

WILLIAMS ENERGY-CONWAY
 839 Kiowa Road
 MCPHERSON, KS 67460

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	6.05	s.u.	4/1/2019 13:40	SE
++Chloride - SM 4500-Cl B	209900.00	mg/L	4/2/2019 09:00	SE

**Sample receipt temperature = 18.4 degrees C
 **Sample beyond hold time for pH

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Sample # 1177.19
 Sample: Water
 Other ID: Sampled by Dale Froese Mitchell Disp #1 Grab

Date Received: 04/01/2019
 Date/Time Sampled: 3/14/2019 9:00:00
 Date Reported: 04/03/2019
 Total Fee: \$23.00

WILLIAMS ENERGY-CONWAY
 839 Kiowa Road
 MCPHERSON, KS 67460

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.33	s.u.	4/1/2019 13:34	SE
++Chloride - SM 4500-Cl B	65000.00	mg/L	4/2/2019 09:00	SE

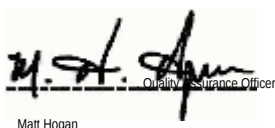
**Sample receipt temperature = 18.4 degrees C
 **Sample beyond hold time for pH

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Sample # 1179.19
 Sample: Water
 Other ID: Sampled by Michael Yowell Mitchell Disp #1 Grab

Date Received: 04/01/2019
 Date/Time Sampled: 3/22/2019 9:00:00
 Date Reported: 04/03/2019
 Total Fee: \$23.00

WILLIAMS ENERGY-CONWAY
 839 Kiowa Road
 MCPHERSON, KS 67460

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.01	s.u.	4/1/2019 13:38	SE
++Chloride - SM 4500-Cl B	64300.00	mg/L	4/2/2019 09:00	SE

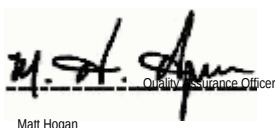
**Sample receipt temperature = 18.4 degrees C
 **Sample beyond hold time for pH

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Sample # 1178.19
 Sample: Water
 Other ID: Sampled by Caden Shaw Mitchell Disp #1 Grab

Date Received: 04/01/2019
 Date/Time Sampled: 3/27/2019 8:45:00
 Date Reported: 04/03/2019
 Total Fee: \$23.00

WILLIAMS ENERGY-CONWAY
 839 Kiowa Road
 MCPHERSON, KS 67460

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	5.40	s.u.	4/1/2019 13:36	SE
++Chloride - SM 4500-Cl B	207400.00	mg/L	4/2/2019 09:00	SE

**Sample receipt temperature = 18.4 degrees C
 **Sample beyond hold time for pH

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