

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form U3C

June 2015

Form must be Typed
Form must be completed
on a per well basis

**ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY**

Complete all blanks - add pages if needed. Copy to be retained for five (5) years after filing date.

OPERATOR: License # 7311
Name: Shakespeare Oil Co., Inc.
Address 1: 202 W MAIN ST
Address 2: _____
City: SALEM State: IL Zip: 62881 + 1519
Contact Person: Joseph McDanel
Phone: (618) 548-1585
Lease Name: MAZANEC COMMUNITY
Well Number: 1-12

API No.: 15-203-20359-00-02
Permit No.: D34521.0
Reporting Year: 2025
(January 1 to December 31)
SE - NE - NE - NE Sec. 12 Twp. 17 S. R. 35 ☐ E ☒ W
(a/a/a/a)
400 feet from ☒ N / ☐ S Line of Section
110 feet from ☒ E / ☐ W Line of Section
County: Wichita

I. Injection Fluid:

Type (Pick one): ☐ Fresh Water ☐ Treated Brine ☐ Untreated Brine ☒ Water/Brine
Source: ☒ Produced Water ☐ Other (Attach list)
Quality: Total Dissolved Solids: 52700 mg/l Specific Gravity: 1.034 Additives: _____
(Attach water analysis, if available)

II. Well Data:

Maximum Authorized Injection Pressure: 1200 psi Injection Zone: OREAD, TORONTO, LKC
Maximum Authorized Injection Rate: 1500 barrels per day
Total Number of Enhanced Recovery Injection Wells Covered by this Permit: _____ (Include TA's)

III.	Month:	Total Fluid Injected BBL	Maximum Fluid Pressure	Total Gas Injected MCF	Maximum Gas Pressure	# Days of Injection
	January	<u>4764</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	February	<u>4903</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>28</u>
	March	<u>4877</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	April	<u>4908</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>30</u>
	May	<u>4821</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	June	<u>4704</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>30</u>
	July	<u>4760</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	August	<u>4752</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	September	<u>4871</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>30</u>
	October	<u>4931</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	November	<u>4718</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>30</u>
	December	<u>4812</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>31</u>
	TOTAL	<u>57821</u>		<u>0</u>		

Submitted Electronically



Complete Water Analysis

Customer: **SHAKESPEARE OIL COMPANY**
Formation Zone:
Geographic Region: **Kansas**
Geographic Location: **Scott County**
System Description: **Production System**

Equipment Description: **Mazanec Community 1-12**
Sample Point: **Wellhead**
Customer ID:
Latitude/Longitude: **0.00, 0.00**
Account Rep: **michael.walters@championx.com**

Collect Date: **02/03/2026**
Submit Date: **02/09/2026**
Report Date: **02/11/2026**
Sample ID: **BC90180**
Location Code: **483850**

Field Analysis

<u>Analysis</u>	<u>Result</u>	<u>Analysis Method</u>
Total Alkalinity (M-Alk as HCO ₃)	132 mg/L	Titration
Dissolved CO ₂	220 mg/L	Titration
Dissolved H ₂ S	110 mg/L	Titration
Pressure Surface	25 psi	
Temperature	100 ° F	
pH of Water	6.8	Meter

Sample Analysis

<u>Analysis</u>	<u>Result</u>	<u>Analysis Method</u>
Specific Gravity	1.037	Densitometer
Ionic Strength	0.970 mol/L	Calculation
Total Dissolved Solids	52700 mg/L	Calculation

Cations - Analyzed By ICP

Iron	<0.500 mg/L	Measured Sodium	18300 mg/L
Manganese	<0.200 mg/L		
Barium	<0.100 mg/L		
Strontium	32.1 mg/L		
Calcium	1010 mg/L		
Magnesium	415 mg/L		
Sodium	18300 mg/L		

Anions - Analyzed By IC*

Chloride	29100 mg/L	Sulfate	3680 mg/L
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Scale Type

<u>Anhydrite CaSO₄ PTB</u>	<u>N/A</u>	<u>Anhydrite CaSO₄ SI</u>	<u>-0.50</u>
<u>Barite BaSO₄ PTB</u>	<u>N/A</u>	<u>Barite BaSO₄ SI</u>	<u>N/A</u>
<u>Calcite CaCO₃ PTB</u>	<u>N/A</u>	<u>Calcite CaCO₃ SI</u>	<u>-0.80</u>
<u>Celestite SrSO₄ PTB</u>	<u>2.00</u>	<u>Celestite SrSO₄ SI</u>	<u>0.040</u>
<u>Gypsum CaSO₄ PTB</u>	<u>N/A</u>	<u>Gypsum CaSO₄ SI</u>	<u>-0.37</u>
<u>Hemihydrate CaSO₄ PTB</u>	<u>N/A</u>	<u>Hemihydrate CaSO₄ SI</u>	<u>-0.35</u>

Comments

Scaling predictions calculated using Oddo-Tomson model

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