

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 # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____
Lease Name: _____
Well Number: _____

API No.: _____
Permit No.: _____
Reporting Year: _____
(January 1 to December 31)
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ E W
(a/a/a/a)
_____ feet from N / S Line of Section
_____ feet from E / W Line of Section
County: _____

I. Injection Fluid:

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

II. Well Data:

Maximum Authorized Injection Pressure: _____ psi Injection Zone: _____
Maximum Authorized Injection Rate: _____ 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	_____	_____	_____	_____	_____
	February	_____	_____	_____	_____	_____
	March	_____	_____	_____	_____	_____
	April	_____	_____	_____	_____	_____
	May	_____	_____	_____	_____	_____
	June	_____	_____	_____	_____	_____
	July	_____	_____	_____	_____	_____
	August	_____	_____	_____	_____	_____
	September	_____	_____	_____	_____	_____
	October	_____	_____	_____	_____	_____
	November	_____	_____	_____	_____	_____
	December	_____	_____	_____	_____	_____
	TOTAL	_____	_____	_____	_____	_____

Complete Water Analysis

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

Equipment Description: **Steele 1 SWD**
 Sample Point: **Bleeder**
 Customer ID:
 Latitude/Longitude: **0.00, 0.00**
 Account Rep: **Michael.walters@championx.com**

Collect Date: **02/21/2025**
 Submit Date: **03/03/2025**
 Report Date: **03/05/2025**
 Sample ID: **BA68081**
 Location Code: **430655**

Field Analysis			Sample Analysis		
Analysis	Result	Analysis Method	Analysis	Result	Analysis Method
Total Alkalinity (M-Alk as HCO3)	142 mg/L	Titration	Specific Gravity	1.035	Densitometer
Dissolved CO2	180 mg/L	Titration	Ionic Strength	0.870 mol/L	Calculation
Dissolved H2S	95 mg/L	Titration	Total Dissolved Solids	47200 mg/L	Calculation
Pressure Surface	25 psi				
Temperature	75 ° F				
pH of Water	7.0	Meter			

Cations - Analyzed By ICP

Iron	<0.500 mg/L	Measured Sodium	16100 mg/L
Manganese	<0.200 mg/L		
Barium	0.101 mg/L		
Strontium	27.7 mg/L		
Calcium	998 mg/L		
Magnesium	336 mg/L		
Sodium	16100 mg/L		

Anions - Analyzed By IC*

Chloride	25500 mg/L	Sulfate	4070 mg/L
----------	------------	---------	-----------

Scale Type

Anhydrite CaSO4 PTB	N/A	Anhydrite CaSO4 SI	-0.60
Barite BaSO4 PTB	0.0	Barite BaSO4 SI	0.33
Calcite CaCO3 PTB	N/A	Calcite CaCO3 SI	-0.78
Celestite SrSO4 PTB	1.20	Celestite SrSO4 SI	0.030
Gypsum CaSO4 PTB	N/A	Gypsum CaSO4 SI	-0.31
Hemihydrate CaSO4 PTB	N/A	Hemihydrate CaSO4 SI	-0.26

Comments

Scaling predictions calculated using Oddo-Tomson model

While reasonable care has been taken in the preparation of this document, it is solely provided on an "as is" basis. ChampionX does not represent or warrant that the contents of this document are accurate, complete, reliable, current, or error-free. No oral or written information, marketing or promotional materials, or advice or recommendation contained in this document, or provided by ChampionX's authorized representatives shall create a warranty. ChampionX expressly disclaims all conditions, warranties and representations of any kind, express, implied, or contractual, including but not limited to any implied conditions or warranties of merchantability, suitability or fitness for a particular use or purpose, non-infringement, satisfactory quality or that this document will have or provide any result, performance, particular value, benefit or savings of costs or expenses. The recipients use of this document is in no way intended to replace or substitute for the recipient's operational, professional or business judgment. ChampionX shall not be liable for any loss or damage claims, of whatever kind, under any circumstances, resulting from the recipient's reliance on, or use of the content of this document, or any ChampionX advice related therewith. Copyright © 2024 ChampionX. All rights reserved.