

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	_____	_____	_____	_____	_____

Submitted Electronically

Complete Water Analysis

Customer: **SHAKESPEARE OIL COMPANY**

Formation Zone:

Geographic Region: **Kansas**

Geographic Location: **Lane County**

System Description: **Production System**

Equipment Description: **Gail 1-21**

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: **BA68054**

Location Code: **430673**

Field Analysis			Sample Analysis		
Analysis	Result	Analysis Method	Analysis	Result	Analysis Method
Total Alkalinity (M-Alk as HCO3)	283 mg/L	Titration	Specific Gravity	1.040	Densitometer
Dissolved CO2	260 mg/L	Titration	Ionic Strength	1.00 mol/L	Calculation
Dissolved H2S	130 mg/L	Titration	Total Dissolved Solids	55700 mg/L	Calculation
Pressure Surface	25 psi				
Temperature	100 ° F				
pH of Water	7.0	Meter			

Cations - Analyzed By ICP					
Iron	0.757 mg/L	Measured Sodium	19700 mg/L		
Manganese	0.291 mg/L				
Barium	0.142 mg/L				
Strontium	40.1 mg/L				
Calcium	706 mg/L				
Magnesium	332 mg/L				
Sodium	19700 mg/L				

Anions - Analyzed By IC*			
Chloride	31400 mg/L	Sulfate	3190 mg/L

Scale Type					
Anhydrite CaSO4 PTB		N/A	Anhydrite CaSO4 SI		-0.71
Barite BaSO4 PTB		0.0	Barite BaSO4 SI		0.20
Calcite CaCO3 PTB		N/A	Calcite CaCO3 SI		-0.44
Celestite SrSO4 PTB		4.70	Celestite SrSO4 SI		0.080
Gypsum CaSO4 PTB		N/A	Gypsum CaSO4 SI		-0.58
Hemihydrate CaSO4 PTB		N/A	Hemihydrate CaSO4 SI		-0.57

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.