

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONForm U3C
June 2015ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERYForm must be Typed
Form must be completed
on a per well basis*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
(Q/Q/Q/Q) _____ 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/BrineSource: 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: Harper Taldo 1-22
 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: BA68055
 Location Code: 430647

Field Analysis			Sample Analysis		
<u>Analysis</u>	<u>Result</u>	<u>Analysis Method</u>	<u>Analysis</u>	<u>Result</u>	<u>Analysis Method</u>
Total Alkalinity (M-Alk as HCO3)	259 mg/L	Titration	Specific Gravity	1.039	Densitometer
Dissolved CO2	270 mg/L	Titration	Ionic Strength	1.00 mol/L	Calculation
Dissolved H2S	110 mg/L	Titration	Total Dissolved Solids	55100 mg/L	Calculation
Pressure Surface	25 psi				
Temperature	100 ° F				
pH of Water	7.0	Meter			

Cations - Analyzed By ICP

Iron	2.02 mg/L	Measured Sodium	19700 mg/L
Manganese	0.396 mg/L		
Barium	0.148 mg/L		
Strontium	39.9 mg/L		
Calcium	709 mg/L		
Magnesium	332 mg/L		
Sodium	19700 mg/L		

Anions - Analyzed By IC*

Chloride	30900 mg/L	Sulfate	3180 mg/L
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Scale Type

Anhydrite CaSO4 PTB	N/A
Barite BaSO4 PTB	0.0
Calcite CaCO3 PTB	N/A
Celestite SrSO4 PTB	4.70
Gypsum CaSO4 PTB	N/A
Hemihydrate CaSO4 PTB	N/A

Anhydrite CaSO4 SI	-0.71
Barite BaSO4 SI	0.22
Calcite CaCO3 SI	-0.47
Celestite SrSO4 SI	0.080
Gypsum CaSO4 SI	-0.58
Hemihydrate CaSO4 SI	-0.56

Comments

Scaling predictions calculated using Oddo-Tomson model

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