

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 Report

Customer: SHAKESPEARE OIL COMPANY
Region: Kansas
Location: Lane County
System: Production System

Equipment: Harper Taldo 1-22
Sample Point: Bleeder
Sample ID: AQ70662
Acct Rep Email: Michael.Walters@championx.com

Collection Date: 02/10/2021
Receive Date: 02/10/2021
Report Date: 02/11/2021
Location Code: 430647

Field Analysis

Bicarbonate	229 mg/L	Dissolved CO2	229 mg/L	Dissolved H2S	36 mg/L
Pressure Surface	25 psi	Temperature	100 ° F	pH of Water	7.5

Sample Analysis

Conductivity (Calculated)	74043 µS - cm3	Ionic Strength	0.85 mol/L	Resistivity	0.135 ohms - m
Specific Gravity	1.039	Total Dissolved Solids	47387.55 mg/L		

Cations

Iron	<0.1 mg/L	Manganese	<0 mg/L	Barium	0.239 mg/L
Strontium	30.01 mg/L	Calcium	552.0 mg/L	Magnesium	254.3 mg/L
Sodium	17370.00 mg/L				

Anions

Chloride	26536 mg/L	Sulfate	2416 mg/L
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Scale Type

Anhydrite CaSO4 PTB	N/A	Anhydrite CaSO4 SI	-0.90
Barite BaSO4 PTB	0.1	Barite BaSO4 SI	0.40
Calcite CaCO3 PTB	N/A	Calcite CaCO3 SI	-0.06
Celestite SrSO4 PTB	N/A	Celestite SrSO4 SI	-0.10
Gypsum CaSO4 PTB	N/A	Gypsum CaSO4 SI	-0.76
Hemihydrate CaSO4 PTB	N/A	Hemihydrate CaSO4 SI	-0.73

Comments

Scaling predictions calculated using Oddo-Tomson model

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