

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	_____	_____	_____	_____	_____

STAABCO CHEMICAL, INC.

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WATER ANALYSIS REPORT

Company: Shakespeare
Source: Ottley 1-10 SWD, 6-15 & 9-15 Inj.

Date Sampled: January 27, 2020
Date Analyzed: January 27, 2020

pH:	6.70	Total Dissolved Solids (mg/L):	102,220
Dissolved H ₂ S:	20		
Dissolved CO ₂ :	0	Total Ionic Strength:	1.883
Specific Gravity:	1.065		
Density, (lbs/gal):	8.88		

	mg/L	Meq/L
Anions		
Sulfide	97.6	97.6
Bicarbonate:	390	6
Chloride:	60,000	1,690
Sulfate:	2,600	54
Cations		
Calcium:	2,880	144
Magnesium:	708	58
Sodium:	35,620	1,549
Barium:	22	
Strontium:	0	
Total Hardness:	4,040	
Total Dissolved Iron:	0	
Ferrous Iron:	Not Determined	

PROBABLE MINERAL COMPOSITION

144 Ca	6 HCO ₃		
58 Mg	54 SO ₄		
1,549 Na	1,690 Cl		
		Meq/L	mg/L
		Calcium Bicarbonate:	6 519
		Calcium Sulfate:	54 3,687
		Calcium Chloride:	83 4,630
		Magnesium Bicarbonate:	0 0
		Magnesium Sulfate:	0 0
		Magnesium Chloride:	58 2,762
		Sodium Bicarbonate:	0 0
		Sodium Sulfate:	0 0
		Sodium Chloride:	1,549 90,538

Saturation Values
In Distilled Water @ 20°C

CaCO ₃	13 mg/L
CaSO ₄ * 2H ₂ O	2,090 mg/L
MgCO ₃	103 mg/L

COMMENTS: