

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	_____	_____	_____	_____	_____
	<b>TOTAL</b>	_____	_____	_____	_____	_____

# STAABCO CHEMICAL, INC.

P.O. Box D  
Plainville, KS 67663

Phone: (785) 737-6141  
Fax: (785) 434-2529

## WATER ANALYSIS REPORT

Company: Kanco  
Source: Marcotte SWD

Date Sampled: January 13, 2022  
Date Analyzed: January 13, 2022

pH:	6.00	Total Dissolved Solids (mg/L):	53,840
Dissolved H <sub>2</sub> S:	7		
Dissolved CO <sub>2</sub> :	0	Total Ionic Strength:	1.036
Specific Gravity:	1.040		
Density, (lbs/gal):	8.67		

	mg/L	Meq/L
Anions		
Sulfide	16	16
Bicarbonate:	293	5
Chloride:	31,000	873
Sulfate:	2,100	44
Cations		
Calcium:	3,000	150
Magnesium:	366	30
Sodium:	17,061	742
Barium:	20	
Strontium:	0	
Total Hardness:	3,600	
Total Dissolved Iron:	0	
Ferrous Iron:	Not Determined	

### PROBABLE MINERAL COMPOSITION

150 Ca	5 HCO <sub>3</sub>		
30 Mg	44 SO <sub>4</sub>	Meq/L	mg/L
742 Na	873 Cl		
Saturation Values			
In Distilled Water @ 20°C			
CaCO <sub>3</sub>	13 mg/L	Calcium Bicarbonate:	5 389
CaSO <sub>4</sub> * 2H <sub>2</sub> O	2,090 mg/L	Calcium Sulfate:	44 2,978
MgCO <sub>3</sub>	103 mg/L	Calcium Chloride:	101 5,630
		Magnesium Bicarbonate:	0 0
		Magnesium Sulfate:	0 0
		Magnesium Chloride:	30 1,429
		Sodium Bicarbonate:	0 0
		Sodium Sulfate:	0 0
		Sodium Chloride:	742 43,365

**COMMENTS:**

# STAABCO CHEMICAL, INC.

P.O. Box D  
Plainville, KS 67663

Phone: (785) 737-6141  
Fax: (785) 434-2529

## Scale Deposition Potential Analysis

Company: Kanco  
Source: Marcotte SWD

Date Sampled: January 13, 2022  
Date Analyzed: January 13, 2022

### Brine Composition

pH:	6.00	Ca, mg/L:	3,000	Total Hardness, mg/L:	3,600
Specific Gravity:	1.040	Mg, mg/L:	366	Total Dissolved Solids, mg/L:	53,840
HCO <sub>3</sub> , mg/L:	293	Na, mg/L:	17,061	Total Ionic Strength:	1.036
Cl, mg/L:	31,000	Ba, mg/L:	20		
SO <sub>4</sub> , mg/L:	2,100	Sr, mg/L:	0	Total Dissolved Iron, mg/L:	0.0

### Calcium Carbonate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	110	130
Stiff-Davis Index:	-0.90	-0.62	-0.24	0.24	-0.48	-0.14
Deposition, lbs/1,000 Bbls:	-864.4	-403.0	-109.8	65.9	-272.2	-58.4

### Calcium Sulfate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	110	130
Supersaturation Ratio:	0.88	0.88	0.89	0.91	0.88	0.89
Deposition, lbs/1,000 Bbls:	-145.4	-144.8	-132.3	-105.2	-140.4	-129.6

### Barium Sulfate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	110	130
Supersaturation Ratio:	330.17	249.84	175.00	120.43	216.14	160.84
Deposition, lbs/1,000 Bbls:	11.9	11.8	11.8	11.8	11.8	11.8

[Return To Main Menu](#)

