

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<br>BBL | Maximum Fluid<br>Pressure | Total Gas Injected<br>MCF | Maximum Gas<br>Pressure | # Days of<br>Injection |
|------|--------------|-----------------------------|---------------------------|---------------------------|-------------------------|------------------------|
|      | January      | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | February     | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | March        | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | April        | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | May          | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | June         | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | July         | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | August       | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | September    | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | October      | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | November     | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | December     | _____                       | _____                     | _____                     | _____                   | _____                  |
|      | <b>TOTAL</b> | _____                       | _____                     | _____                     | _____                   | _____                  |

**STAABCO CHEMICAL, INC.**

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Plainville, KS 67663

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

**WATER ANALYSIS REPORT**

Company: Shakespeare  
Source: Strickert #1 SWD & #10 Inj.

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

|                             |       |                                |        |
|-----------------------------|-------|--------------------------------|--------|
| pH:                         | 5.70  | Total Dissolved Solids (mg/L): | 35,321 |
| Dissolved H <sub>2</sub> S: | 20    |                                |        |
| Dissolved CO <sub>2</sub> : | 0     | Total Ionic Strength:          | 0.688  |
| Specific Gravity:           | 1.025 |                                |        |
| Density, (lbs/gal):         | 8.55  |                                |        |

|                       | mg/L           | Meq/L |
|-----------------------|----------------|-------|
| <b>Anions</b>         |                |       |
| Sulfide               | 11.2           | 11.2  |
| Bicarbonate:          | 360            | 6     |
| Chloride:             | 19,000         | 535   |
| Sulfate:              | 2,800          | 58    |
| <b>Cations</b>        |                |       |
| Calcium:              | 1,600          | 80    |
| Magnesium:            | 439            | 36    |
| Sodium:               | 11,119         | 483   |
| Barium:               | 3              |       |
| Strontium:            | 0              |       |
| Total Hardness:       | 2,320          |       |
| Total Dissolved Iron: | 0              |       |
| Ferrous Iron:         | Not Determined |       |

**PROBABLE MINERAL COMPOSITION**

|        |                    |                        |            |
|--------|--------------------|------------------------|------------|
| 80 Ca  | 6 HCO <sub>3</sub> |                        |            |
| 36 Mg  | 58 SO <sub>4</sub> | Meq/L                  | mg/L       |
| 483 Na | 535 Cl             |                        |            |
|        |                    | Calcium Bicarbonate:   | 6 478      |
|        |                    | Calcium Sulfate:       | 58 3,971   |
|        |                    | Calcium Chloride:      | 16 875     |
|        |                    | Magnesium Bicarbonate: | 0 0        |
|        |                    | Magnesium Sulfate:     | 0 0        |
|        |                    | Magnesium Chloride:    | 36 1,714   |
|        |                    | Sodium Bicarbonate:    | 0 0        |
|        |                    | Sodium Sulfate:        | 0 0        |
|        |                    | Sodium Chloride:       | 483 28,262 |

  

|                                       |            |
|---------------------------------------|------------|
| Saturation Values                     |            |
| In Distilled Water @ 20°C             |            |
| CaCO <sub>3</sub>                     | 13 mg/L    |
| CaSO <sub>4</sub> * 2H <sub>2</sub> O | 2,090 mg/L |
| MgCO <sub>3</sub>                     | 103 mg/L   |

**COMMENTS:**