

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

Customer: **SHAKESPEARE OIL COMPANY**

Formation Zone:

Geographic Region: **Kansas**

Geographic Location: **Scott County**

System Description: **Production System**

Equipment Description: **Strickert WI 1**

Sample Point: **SWD**

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: **BA68082**

Location Code: **503171**

| Field Analysis | | | Sample Analysis | | |
|----------------------------------|----------|-----------------|------------------------|-------------|-----------------|
| Analysis | Result | Analysis Method | Analysis | Result | Analysis Method |
| Total Alkalinity (M-Alk as HCO3) | 151 mg/L | Titration | Specific Gravity | 1.027 | Densitometer |
| Dissolved CO2 | 150 mg/L | Titration | Ionic Strength | 0.700 mol/L | Calculation |
| Dissolved H2S | 110 mg/L | Titration | Total Dissolved Solids | 37200 mg/L | Calculation |
| Pressure Surface | 25 psi | | | | |
| Temperature | 60 ° F | | | | |
| pH of Water | 7.0 | Meter | | | |

| Cations - Analyzed By ICP | | | | | |
|---------------------------|-------------|-----------------|------------|--|--|
| Iron | 1.01 mg/L | Measured Sodium | 12400 mg/L | | |
| Manganese | <0.200 mg/L | | | | |
| Barium | <0.100 mg/L | | | | |
| Strontium | 34.8 mg/L | | | | |
| Calcium | 1170 mg/L | | | | |
| Magnesium | 319 mg/L | | | | |
| Sodium | 12400 mg/L | | | | |

| Anions - Analyzed By IC* | | | |
|--------------------------|------------|---------|-----------|
| Chloride | 20200 mg/L | Sulfate | 2880 mg/L |

| Scale Type | | | | | |
|-----------------------|--|------|----------------------|--|-------|
| Anhydrite CaSO4 PTB | | N/A | Anhydrite CaSO4 SI | | -0.75 |
| Barite BaSO4 PTB | | N/A | Barite BaSO4 SI | | N/A |
| Calcite CaCO3 PTB | | N/A | Calcite CaCO3 SI | | -0.73 |
| Celestite SrSO4 PTB | | 2.20 | Celestite SrSO4 SI | | 0.040 |
| Gypsum CaSO4 PTB | | N/A | Gypsum CaSO4 SI | | -0.34 |
| Hemihydrate CaSO4 PTB | | N/A | Hemihydrate CaSO4 SI | | -0.25 |

| Comments |
|----------|
| |

Scaling predictions calculated using Oddo-Tomson model

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