

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 | _____ | _____ | _____ | _____ | _____ |

Complete Water Analysis Report

Customer: **PARADISE CREEK OIL & GAS**
 Region: **Kansas**
 Location: **Lane County**
 System: **Production System**

Equipment: **Brunett 6D-15**
 Sample Point: **Bleeder**
 Sample ID: **AQ95654**
 Acct Rep Email: **Michael.Walters@championx.com**

Collection Date: **03/25/2021**
 Receive Date: **03/26/2021**
 Report Date: **03/31/2021**
 Location Code: **464798**

Field Analysis

| | | | | | |
|------------------|-----------------|---------------|-----------------|---------------|----------------|
| Bicarbonate | 620 mg/L | Dissolved CO2 | 211 mg/L | Dissolved H2S | 78 mg/L |
| Pressure Surface | 25 psi | Temperature | 100 ° F | pH of Water | 7.5 |

Sample Analysis

| | | | | | |
|---------------------------|------------------------|------------------------|----------------------|-------------|-----------------------|
| Conductivity (Calculated) | 135815 µS - cm3 | Ionic Strength | 1.58 mol/L | Resistivity | 0.074 ohms - m |
| Specific Gravity | 1.057 | Total Dissolved Solids | 86927.49 mg/L | | |

Cations

| | | | | | |
|-----------|----------------------|-----------|-------------------|-----------|-------------------|
| Iron | 6.019 mg/L | Manganese | 0.144 mg/L | Barium | 1.943 mg/L |
| Strontium | 56.48 mg/L | Calcium | 1718 mg/L | Magnesium | 510.9 mg/L |
| Sodium | 31052.00 mg/L | | | | |

Anions

| | | | |
|----------|-------------------|---------|------------------|
| Chloride | 49874 mg/L | Sulfate | 3088 mg/L |
|----------|-------------------|---------|------------------|

Scale Type

| | | | | | |
|-----------------------|--|-------|----------------------|--|-------|
| Anhydrite CaSO4 PTB | | N/A | Anhydrite CaSO4 SI | | -0.39 |
| Barite BaSO4 PTB | | 1.0 | Barite BaSO4 SI | | 1.14 |
| Calcite CaCO3 PTB | | 175.3 | Calcite CaCO3 SI | | 0.64 |
| Celestite SrSO4 PTB | | 7.5 | Celestite SrSO4 SI | | 0.09 |
| Gypsum CaSO4 PTB | | N/A | Gypsum CaSO4 SI | | -0.32 |
| Hemihydrate CaSO4 PTB | | N/A | Hemihydrate CaSO4 SI | | -0.33 |

Comments

Scaling predictions calculated using Oddo-Tomson model

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