

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>	_____	_____	_____	_____	_____



## WATER ANALYSIS REPORT

**Company:** FALCON EXPLORATION  
**Source:** RAY SWD

**Sample Point:** Wellhead  
**Date Sampled:** 1/13/2017  
**Date Analyzed:** 2/3/2017

pH:	7.00	Total Dissolved Solids (mg/L):	59,127
Dissolved H <sub>2</sub> S:	105.00	Total Ionic Strength:	1.140
Dissolved CO <sub>2</sub> :	105.00	Specific Gravity:	1.035
Resistivity @ 75°F(Ohm-Meters):	0.12900	Density, (lbs/gal):	8.63

<b>Cations</b>	<b>mg/L</b>	<b>Meq/L</b>	<b>Anions</b>	<b>mg/L</b>	<b>Meq/L</b>
Calcium:	7,776	389	Carbonate:	0	0
Magnesium:	0	0	Bicarbonate:	988	16
Sodium:	16,782	730	Chloride:	35,000	986
Barium:	0		Sulfate:	0	0
Strontium:	0		Total Hardness:	13,600	
Total Dissolved Iron:	0.00				

### PROBABLE MINERAL COMPOSITION

	<b>mg/L</b>	<b>Meq/L</b>
<b>Calcium Bicarbonate:</b>	1,313	16
<b>Calcium Sulfate:</b>	0	0
<b>Calcium Chloride:</b>	20,679	373
<b>Magnesium Bicarbonate:</b>	0	0
<b>Magnesium Sulfate:</b>	0	0
<b>Magnesium Chloride:</b>	0	0
<b>Sodium Bicarbonate:</b>	9,771	116
<b>Sodium Sulfate:</b>	0	0
<b>Sodium Chloride:</b>	35,854	613

**Remarks**

**Analyst:**



## SCALE DEPOSITION POTENTIAL ANALYSIS

**Company:** FALCON EXPLORATION

**Sample Point:** Wellhead

**Source:** RAY SWD

**Date Sampled:** 1/13/2017

**Date Analyzed:** 2/3/2017

### Brine Composition

pH:	7.00	Ca, mg/L:	7,776	Total Hardness, mg/L:	13,600
Specific Gravity:	1.035	Mg, mg/L:	0	Total Dissolved Solids, mg/L:	59,127
HCO <sub>3</sub> , mg/L:	988	Na, mg/L:	16,782	Total Ionic Strength:	1.140
Cl, mg/L:	35,000	Ba, mg/L:	0	Total Dissolved Iron, mg/L:	0.0
SO <sub>4</sub> , mg/L:	0	Sr, mg/L:	0		

### Calcium Carbonate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	40	180
Stiff-Davis Index:	1.033	1.303	1.702	2.166	0.742	2.760
Deposition, lbs/1,000 Bbls:	511.3	537.7	554.7	562.7	460.2	565.7

### Calcium Sulfate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	40	180
Supersaturation Ratio:	0.000	0.000	0.000	0.000	0.000	0.000
Deposition, lbs/1,000 Bbls:	0.0	0.0	0.0	0.0	0.0	0.0

### Barium Sulfate Scale Indices

					Specified Temperatures	
Temperature, °F:	75	100	125	150	40	180
Supersaturation Ratio:	0.000	0.000	0.000	0.000	0.000	0.000
Deposition, lbs/1,000 Bbls:	0.0	0.0	0.0	0.0	0.0	0.0



## SCALE DEPOSITION POTENTIAL TRENDS

Company: FALCON EXPLORATION  
 Source: RAY SWD

Sample Point: Wellhead  
 Date Sampled: 1/13/2017  
 Date Analyzed: 2/3/2017

