

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	_____	_____	_____	_____	_____



Baker Hughes
1625
Plainville Kansas 67663

Report Date: 1/13/2022

Complete Water Analysis Report SSP v.8

Customer:	ESP Development	Sample Date:	7/18/2019
District:	Kansas	Log Out Date:	7/18/2019
Area:	Fairport	Sample ID:	Eulert 3 #1-3
Lease:	Eulert #3	Analyst:	Bill Foster
Sample Point Name	bleeder	Chemical Used:	
Sales Rep:	Bill Foster	Comments:	

ESP Development, Eulert #3, bleeder

Field Data		Analysis of Sample											
		Anions:		mg/L		meq/L		Cations:		mg/L		meq/L	
Initial Temperature (°F):	140	Chloride (Cl ⁻):	20000	563.4	Sodium (Na ⁺):	10711	467.7						
Final Temperature (°F):	70	Sulfate (SO ₄ ²⁻):	2500	52.1	Potassium (K ⁺):	0	0.0						
Initial Pressure (psi):	15	Borate (H ₃ BO ₃):	0.0	0.0	Magnesium (Mg ²⁺):	267	22.0						
Final Pressure (psi):	15	Fluoride (F ⁻):	0.0	0.0	Calcium (Ca ²⁺):	2560	127.7						
		Bromide (Br ⁻):	0.0	0.0	Strontium (Sr ²⁺):	0	0.0						
pH:		Nitrite (NO ₂ ⁻):	0.0	0.0	Barium (Ba ²⁺):	0.0	0.0						
pH at time of sampling:	7.4	Nitrate (NO ₃ ⁻):	0.0	0.0	Iron (Fe ²⁺):	0.0	0.0						
pH at time of analysis:	7.4	Phosphate (PO ₄ ³⁻):	0.0	0.0	Manganese (Mn ²⁺):	0.00	0.0						
pH used in Calcs:	7.4	Silica (SiO ₂):	0.0	0.0	Lead (Pb ²⁺):	0.00	0.0						
					Zinc (Zn ²⁺):	0.0	0.0						
Alkalinity by Titration:	mg/L meq/L												
Bicarbonate (HCO ₃ ⁻):	305 5.0				Aluminum (Al ³⁺):	0.0	0.0						
Carbonate (CO ₃ ²⁻):	0 0.0				Chromium (Cr ³⁺):	0.0	0.0						
Hydroxide (OH ⁻):	0 0.0				Cobalt (Co ²⁺):	0.0	0.0						
					Copper (Cu ²⁺):	0.0	0.0						
aqueous CO ₂ (ppm):	0.0	Organic Acids:	mg/L meq/L		Molybdenum (Mo ²⁺):	0.0	0.0						
aqueous H ₂ S (ppm):	0.0	Formate:	0.0 0.0		Nickel (Ni ²⁺):	0.0	0.0						
aqueous O ₂ (ppb):	0.0	Acetate:	0.0 0.0		Tin (Sn ²⁺):	0.0	0.0						
		Propionate:	0.0 0.0		Titanium (Ti ²⁺):	0.0	0.0						
		Butyrate:	0.0 0.0		Vanadium (V ²⁺):	0.0	0.0						
Calculated TDS (mg/L):	36343	Valerate:	0.0 0.0		Zirconium (Zr ²⁺):	0.0	0.0						
Density/Specific Gravity (g/cm ³):	1.0200				Total Hardness:	7500	N/A						
Measured Density/Specific Gravity	1												
Conductivity (µmhos):	0												
MCF/D:	0												
BOPD:	0												
BWPD:	0	Anion/Cation Ratio:		1.00									

Conditions		Barite (BaSO ₄)		Calcite (CaCO ₃)		Gypsum (CaSO ₄ ·2H ₂ O)		Anhydrite (CaSO ₄)	
Temp	Press.	Index	Amt (PTB)	Index	Amt (PTB)	Index	Amount	Index	Amt (PTB)
70°F	15 psi		0.000	1.23	52.425	0.15	345.905	-0.12	0.000
78°F	15 psi		0.000	1.29	54.614	0.15	348.607	-0.09	0.000
86°F	15 psi		0.000	1.35	56.698	0.15	353.274	-0.06	0.000
93°F	15 psi		0.000	1.41	58.676	0.16	359.979	-0.02	0.000
101°F	15 psi		0.000	1.47	60.548	0.16	368.695	0.02	30.873
109°F	15 psi		0.000	1.53	62.316	0.17	379.338	0.05	107.391
117°F	15 psi		0.000	1.59	63.984	0.17	391.784	0.10	183.087
124°F	15 psi		0.000	1.65	65.554	0.18	405.886	0.14	257.401
132°F	15 psi		0.000	1.71	67.029	0.19	421.480	0.18	329.830
140°F	15 psi		0.000	1.77	68.415	0.19	438.393	0.23	399.938

Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Amt (PTB)	Index	Amt (PTB)	Index	Amt (PTB)	Index	Amt (PTB)
70°F	15 psi		0.000	-2.50	0.000	0	0.000		0.000
78°F	15 psi		0.000	-2.51	0.000	0	0.000		0.000
86°F	15 psi		0.000	-2.52	0.000	0	0.000		0.000
93°F	15 psi		0.000	-2.53	0.000	0	0.000		0.000
101°F	15 psi		0.000	-2.53	0.000	0	0.000		0.000
109°F	15 psi		0.000	-2.54	0.000	0	0.000		0.000
117°F	15 psi		0.000	-2.54	0.000	0	0.000		0.000
124°F	15 psi		0.000	-2.55	0.000	0	0.000		0.000
132°F	15 psi		0.000	-2.55	0.000	0	0.000		0.000
140°F	15 psi		0.000	-2.56	0.000	0	0.000		0.000

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered
 Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.
 Note 3: Saturation Index predictions on this sheet use pH and alkalinity, %CO₂ is not included in the calculations.



Started Lease Operations May 1, 2021