

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: 6/2/2019

Complete Water Analysis Report SSP v.8

Customer:	ESP Development	Sample Date:	6/2/2019
District:	Kansas	Log Out Date:	6/2/2019
Area:	Fairport Kansas	Sample ID:	Eulert G#3
Lease:	Eulert G	Analyst:	Bill Foster
Sample Point Name	bleeder	Chemical Used:	
Sales Rep:	Bill Foster	Comments:	

ESP Development, Eulert G, bleeder

Field Data		Analysis of Sample											
		Anions:		mg/L		meq/L		Cations:		mg/L		meq/L	
Initial Temperature (°F):	140	Chloride (Cl ⁻):	37000	1042.3	Sodium (Na ⁺):	18837	822.6						
Final Temperature (°F):	70	Sulfate (SO ₄ ²⁻):	1750	36.4	Potassium (K ⁺):	0	0.0						
Initial Pressure (psi):	15	Borate (H ₃ BO ₃):	0.0	0.0	Magnesium (Mg ²⁺):	1215	100.0						
Final Pressure (psi):	15	Fluoride (F ⁻):	0.0	0.0	Calcium (Ca ²⁺):	3200	159.7						
		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:	7.0	Nitrate (NO ₃ ⁻):	0.0	0.0	Iron (Fe ²⁺):	0.0	0.0						
pH at time of analysis:	NA	Phosphate (PO ₄ ³⁻):	0.0	0.0	Manganese (Mn ²⁺):	0.00	0.0						
pH used in Calcs:	7.0	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 ⁻):	414		6.8		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								
aqueous H ₂ S (ppm):	0.0	Formate:	0.0	0.0	Molybdenum (Mo ²⁺):	0.0	0.0						
aqueous O ₂ (ppb):	0.0	Acetate:	0.0	0.0	Nickel (Ni ²⁺):	0.0	0.0						
		Propionate:	0.0	0.0	Tin (Sn ²⁺):	0.0	0.0						
		Butyrate:	0.0	0.0	Titanium (Ti ²⁺):	0.0	0.0						
Calculated TDS (mg/L):	62416	Valerate:	0.0	0.0	Vanadium (V ²⁺):	0.0	0.0						
Density/Specific Gravity (g/cm ³):	1.0407				Zirconium (Zr ²⁺):	0.0	0.0						
Measured Density/Specific Gravity	0				Total Hardness:	15000	N/A						
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	1.06	71.518	-0.12	0.000	-0.38	0.000
78°F	15 psi		0.000	1.12	74.696	-0.12	0.000	-0.34	0.000
86°F	15 psi		0.000	1.19	77.667	-0.11	0.000	-0.31	0.000
93°F	15 psi		0.000	1.26	80.443	-0.11	0.000	-0.28	0.000
101°F	15 psi		0.000	1.32	83.035	-0.11	0.000	-0.24	0.000
109°F	15 psi		0.000	1.38	85.455	-0.10	0.000	-0.20	0.000
117°F	15 psi		0.000	1.45	87.711	-0.10	0.000	-0.16	0.000
124°F	15 psi		0.000	1.51	89.815	-0.09	0.000	-0.12	0.000
132°F	15 psi		0.000	1.57	91.774	-0.08	0.000	-0.07	0.000
140°F	15 psi		0.000	1.63	93.599	-0.08	0.000	-0.03	0.000

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	-1.99	0.000	0	0.000		0.000
78°F	15 psi		0.000	-2.00	0.000	0	0.000		0.000
86°F	15 psi		0.000	-2.01	0.000	0	0.000		0.000
93°F	15 psi		0.000	-2.01	0.000	0	0.000		0.000
101°F	15 psi		0.000	-2.02	0.000	0	0.000		0.000
109°F	15 psi		0.000	-2.03	0.000	0	0.000		0.000
117°F	15 psi		0.000	-2.03	0.000	0	0.000		0.000
124°F	15 psi		0.000	-2.03	0.000	0	0.000		0.000
132°F	15 psi		0.000	-2.04	0.000	0	0.000		0.000
140°F	15 psi		0.000	-2.04	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