

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: 2/2/2024

Complete Water Analysis Report SSP v.8

Customer:	Fossil Energy	Sample Date:	2/2/2024
District:	Kansas	Log Out Date:	2/2/2024
Area:	Fairport Kansas	Sample ID:	Eulert #3-3 SWD
Lease:	Eulert #3	Analyst:	Bill Foster
Sample Point Name	Water Tank	Chemical Used:	
Sales Rep:	Bill Foster	Comments:	

Fossil Energy, Eulert #3, Water Tank

Field Data		Analysis of Sample					
		Anions:		Cations:			
		mg/L	meq/L	mg/L	meq/L		
Initial Temperature (°F):	140	Chloride (Cl ⁻):	62000	1746.5	Sodium (Na ⁺):	33016	1441.7
Final Temperature (°F):	70	Sulfate (SO ₄ ²⁻):	2550	53.1	Potassium (K ⁺):	0	0.0
Initial Pressure (psi):	15	Borate (H ₃ BO ₃):	0.0	0.0	Magnesium (Mg ²⁺):	1459	120.1
Final Pressure (psi):	15	Fluoride (F ⁻):	0.0	0.0	Calcium (Ca ²⁺):	4890	244.0
pH:		Bromide (Br ⁻):	0.0	0.0	Strontium (Sr ²⁺):	0	0.0
pH at time of sampling:	6.8	Nitrite (NO ₂ ⁻):	0.0	0.0	Barium (Ba ²⁺):	0.0	0.0
pH at time of analysis:	6.8	Nitrate (NO ₃ ⁻):	0.0	0.0	Iron (Fe ²⁺):	0.0	0.0
pH used in Calcs:	6.8	Phosphate (PO ₄ ³⁻):	0.0	0.0	Manganese (Mn ²⁺):	0.00	0.0
Alkalinity by Titration: mg/L meq/L		Silica (SiO ₂):	0.0	0.0	Lead (Pb ²⁺):	0.00	0.0
Bicarbonate (HCO ₃ ⁻):	210				Zinc (Zn ²⁺):	0.0	0.0
Carbonate (CO ₃ ²⁻):	0	Organic Acids: mg/L meq/L			Aluminum (Al ³⁺):	0.0	0.0
Hydroxide (OH ⁻):	0	Formate:	0.0	0.0	Chromium (Cr ³⁺):	0.0	0.0
aqueous CO ₂ (ppm):	0.0	Acetate:	0.0	0.0	Cobalt (Co ²⁺):	0.0	0.0
aqueous H ₂ S (ppm):	0.0	Propionate:	0.0	0.0	Copper (Cu ²⁺):	0.0	0.0
aqueous O ₂ (ppb):	0.0	Butyrate:	0.0	0.0	Molybdenum (Mo ²⁺):	0.0	0.0
Calculated TDS (mg/L):	104125	Valerate:	0.0	0.0	Nickel (Ni ²⁺):	0.0	0.0
Density/Specific Gravity (g/cm ³):	1.0600				Tin (Sn ²⁺):	0.0	0.0
Measured Density/Specific Gravity	1				Titanium (Ti ²⁺):	0.0	0.0
Conductivity (µmhos):	0				Titanium (Ti ²⁺):	0.0	0.0
MCF/D:	0				Vanadium (V ²⁺):	0.0	0.0
BOPD:	0				Zirconium (Zr ²⁺):	0.0	0.0
BWPD:	0				Total Hardness:	19800	N/A
		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	0.83	31.874	0.07	193.794	-0.17	0.000
78°F	15 psi		0.000	0.90	33.847	0.07	211.630	-0.13	0.000
86°F	15 psi		0.000	0.96	35.657	0.08	226.894	-0.09	0.000
93°F	15 psi		0.000	1.03	37.322	0.09	240.795	-0.05	0.000
101°F	15 psi		0.000	1.09	38.858	0.09	254.075	-0.02	0.000
109°F	15 psi		0.000	1.16	40.277	0.10	267.201	0.02	54.606
117°F	15 psi		0.000	1.22	41.589	0.10	280.465	0.06	144.668
124°F	15 psi		0.000	1.28	42.804	0.11	294.042	0.11	230.833
132°F	15 psi		0.000	1.34	43.929	0.11	308.027	0.15	312.971
140°F	15 psi		0.000	1.39	44.974	0.12	322.455	0.19	390.952

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	-1.49	0.000	0	0.000		0.000
78°F	15 psi		0.000	-1.50	0.000	0	0.000		0.000
86°F	15 psi		0.000	-1.50	0.000	0	0.000		0.000
93°F	15 psi		0.000	-1.51	0.000	0	0.000		0.000
101°F	15 psi		0.000	-1.51	0.000	0	0.000		0.000
109°F	15 psi		0.000	-1.52	0.000	0	0.000		0.000
117°F	15 psi		0.000	-1.52	0.000	0	0.000		0.000
124°F	15 psi		0.000	-1.53	0.000	0	0.000		0.000
132°F	15 psi		0.000	-1.53	0.000	0	0.000		0.000
140°F	15 psi		0.000	-1.53	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.



ScaleSoftPitzer™
SSP2010

Sample ID: Eulert #3-3 SWD Fossil Energy, Eulert #3, Water Tank

