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 # 33629
Name: Great Plains Energy, Inc.
Address 1: 6121 S 58TH ST, STE B
Address 2:
City: LINCOLN State: NE Zip: 68516 + 3669
Contact Person: Matthew Mondero
Phone: (402) 9044092
Lease Name: SAUVAGE
Well Number: 9

API No.: 15-039-21080-00-01
Permit No: E31992.6
Reporting Year: 2025
(January 1 to December 31)

NW - SE - SW - NE Sec. 35 Twp. 4 S. R. 30 ☐ E ☑ W
(Q/Q/Q/Q)
3001 feet from ☐ N / ☑ S Line of Section
1685 feet from ☑ E / ☐ W Line of Section
County: Decatur

I. Injection Fluid:

Type *(Pick one)*: ☐ Fresh Water ☑ Treated Brine ☐ Untreated Brine ☐ Water/Brine
Source: ☑ Produced Water ☐ Other *(Attach list)*
Quality: Total Dissolved Solids: 91603 mg/l Specific Gravity: 1.052 Additives:
(Attach water analysis, if available)

II. Well Data:

Maximum Authorized Injection Pressure: 1500 psi Injection Zone: LANSING-KANSAS CITY,TORONTO
Maximum Authorized Injection Rate: 1000 barrels per day
Total Number of Enhanced Recovery Injection Wells Covered by this Permit: 1 *(Include TA's)*

III.

Month:	Total Fluid Injected BBL	Maximum Fluid Pressure	Total Gas Injected MCF	Maximum Gas Pressure	# Days of Injection
January	5778	225			31
February	6110	225			28
March	7105	225			31
April	7450	225			30
May	7189	225			31
June	8045	225			30
July	8311	225			31
August	7660	225			31
September	8127	225			30
October	8850	225			31
November	7900	225			30
December	7875	225			31
TOTAL	90400		0		

Submitted Electronically

Complete Water Analysis

Customer:	**GREAT PLAINS ENERGY INC**	Equipment Description:	**Swede Hollow Injection**	Collection Date:	**02/11/2022**
Geographic Region:	**Kansas**	Sample Point:	**Injection**	Receive Date:	**02/22/2022**
Geographic Location:	**Decatur County**	Sample ID:	**AT02253**	Report Date:	**02/25/2022**
System Description:	**Production System**	Account Rep:	**Steve.Eckhardt@championx.com**	Location Code:	**470211**

Field Analysis

Analysis	Result		Analysis Method
Bicarbonate	**459**	mg/L	Titration
Dissolved CO2	**220**	mg/L	Titration
Dissolved H2S	**132.6**	mg/L	Titration
Pressure Surface	**10**	psi	
Temperature	**76**	° F	
pH of Water	**6.9**		Meter

Sample Analysis

Analysis	Result		Analysis Method
Specific Gravity	**1.052**		Densitometer
Ionic Strength	**1.63**	mol/L	Calculation
Total Dissolved Solids	**91603.46**	mg/L	Calculation

Cations - Analyzed By ICP

Iron	**0.320**	mg/L	Measured Sodium	**33410**	mg/L
Manganese	**0.171**	mg/L			
Barium	**11.97**	mg/L			
Strontium	**402.4**	mg/L			
Calcium	**1254**	mg/L			
Magnesium	**540.6**	mg/L			
Sodium	**33410.00**	mg/L			

Anions - Analyzed By IC

Chloride	**55207**	mg/L
Sulfate	**318**	mg/L

Scale Type

Anhydrite CaSO4 PTB	N/A	**Anhydrite CaSO4 SI**	-1.63
Barite BaSO4 PTB	6.5	**Barite BaSO4 SI**	1.08
Calcite CaCO3 PTB	N/A	**Calcite CaCO3 SI**	-0.48
Celestite SrSO4 PTB	N/A	**Celestite SrSO4 SI**	-0.05
Gypsum CaSO4 PTB	N/A	**Gypsum CaSO4 SI**	-1.42
Hemihydrate CaSO4 PTB	N/A	**Hemihydrate CaSO4 SI**	-1.43

Comments

Scaling predictions calculated using Oddo-Tomson model

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