

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	_____	_____	_____	_____	_____

800-533-0511

James Tart office

WATER ANALYSIS for:

Date of Analysis:	NOVEMBER 30, 2000	Analysis #:	N/D
Company:	STEPHENS ENGR.	Attention:	N/D
County:	N/D	State:	KANSAS
Lease/Well #:	HENDERSON A-1	Formation:	N/D
Type of Water:	PRODUCED	Total fluid:	N/D
Temp., C:	N/D	Sample Source:	BLEEDER
Use:	N/D	Date of Sampling:	N/D
Field Engineer:	JERRY ROBERTS	Analysis By:	BETH WOLF

DISSOLVED SOLIDS

DISSOLVED GASES

CATIONS	mg/l	me/l	AS CaCO3
Ca++	2,240.0	112.0	5,600.0
Mg++	780.8	64.0	3,200.0
Fe+++	4.0	0.2	10.8
Ba++	0.0	0.0	0.0
Na+	44,026.7	1,914.2	95,710.2
Mn++	0.0	0.0	0.0
ANIONS			
Cl-	72,000.0	2,028.2	101,408.5
SO4--	2,700.0	56.3	2,812.5
CO3--	0.0	0.0	0.0
HCO3-	366.0	6.0	300.0
OH-	0.0	0.0	0.0
S--	0.0	0.0	0.0
TOTAL HARDNESS :		176.0	8,800.0

Hydrogen Sulfide, H2S:	0.0
Carbon Dioxide, CO2 :	180.0
Oxygen, O2 :	0.0

PHYSICAL PROPERTIES

pH :	7.5
Specific Gravity :	1.075
TDS (calc.) p.p.m. :	122,117.5

SCALE STABILITIES

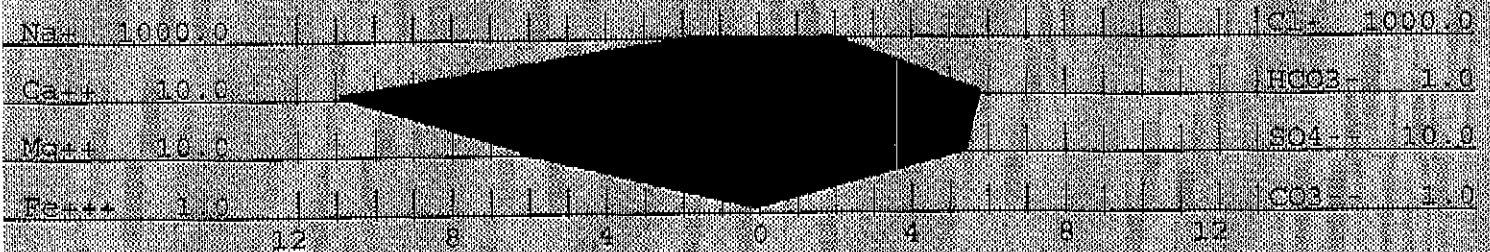
Temp.	mg/l			
	C.	F.	CaCO3	CaSO4
32	90	0.91	6277	0
38	100	1.04	6480	0
49	120	1.32	7212	0

TOTAL SOLIDS (quantitative): 122,117.5
 RESIDUAL HYDROCARBONS : 0.0

Max entity, (calc): 3970 0

WATER ANALYSIS PATTERN

(number beside ion symbol indicates mg/l scale unit)



RECOMMENDATION:

N/D = not determined