

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	_____	_____	_____	_____	_____

NALCO Water Analysis

Prepared for CHAMPLIN PETROLEUM COMPANY
LIBERAL, KS

BRYAN ENNS
NALCO Chemical Company
4-Dec-85

Well Number : FITZGERALD D2-2
Water Source : WELLHEAD

DISSOLVED SOLIDS

Cations	mg/l	meq/l		mg/l
Sodium Na+	44,963.99	1,954.96	as NaCl	
Calcium Ca++	7,200.00	360.00	as CaCO3	18,000.00
Magnesium Mg++	2,187.00	179.99	as CaCO3	9,000.00
Barium Ba++			as CaCO3	
Total Cations	54,350.99	2,494.95		

Anions	mg/l	meq/l		mg/l
Chloride Cl-	87,789.80	2,475.67	as NaCl	144,629.00
Sulfate SO4=	811.20	16.87	as Na2SO4	1,200.00
Carbonate CO3=			as CaCO3	
Bicarb. HCO3-	146.40	2.40	as CaCO3	120.00
Total Anions	88,747.40	2,494.95		

Total Solids 143,098.40

Total Iron, Fe
acid to Phen, CO2 66.00 as Fe
as CaCO3 150.00

SCALING INDICES

Temp	CaCO3	CaSO4	BaSO4
50 F	-1.02	-11.74	
77 F	-0.77		
95 F	-0.57	-12.20	
22 F	-0.18	-11.47	
49 F	+0.27		
76 F	+0.81	-10.20	
103 F	+1.44		

Positive values indicate scaling is likely.
Scaling Indices calculated using ASTM standard practices.

OTHER PROPERTIES

pH 5.95
Specific Gravity 1.12
Turbidity
Oxygen, as O2 ppm