

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	_____	_____	_____	_____	_____



JACAM LABORATORIES

DownHole R_x
WATER CHEMISTRY

ANCHOR BAY PETROLEUM
LARRY HACKEROTT
ROOKS KS

ROMINE #2
BLEEDER

Report Date: 04-21-2014 Sampled: 04-01-2014
Sample #: 2393 at 0000

Sample ID: 67241

CATIONS

Calcium (as Ca)	2887
Magnesium (as Mg)	823.10
Barium (as Ba)	0.983
Strontium (as Sr)	113.70
Sodium (as Na)	13607
Potassium (as K)	348.40
Lithium (as Li)	16.50
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	0.326
Manganese (as Mn)	0.653
Zinc (as Zn)	0.714
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	29300
Sulfate (as SO ₄)	125.00
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	500.00
Bicarbonate (as HCO ₃)	610.00
Carbonate (as CO ₃)	0.00
Oxalic acid (as C ₂ O ₄)	0.00
Silica (as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	180.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	20.71

PARAMETERS

Calculated T.D.S.	47920
Molar Conductivity	62730
Resistivity	15.94
Sp.Gr.(g/mL)	1.04
Pressure(atm)	1.00
pCO ₂ (atm)	0.130
pH ₂ S(atm)	0.113
Temperature (°F)	85.00
pH	6.30

COMMENTS

ROOKS KS

JACAM LABORATORIES
205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096



JACAM LABORATORIES

DownHole R_x
WATER CHEMISTRY

ANCHOR BAY PETROLEUM
LARRY HACKEROTT
ROOKS KS

ROMINE #3

Report Date: 04-11-2014 Sampled: 04-07-2014
Sample #: 2393 at 0000

Sample ID: 66806

CATIONS

Calcium (as Ca)	4247
Magnesium (as Mg)	1403
Barium (as Ba)	5.36
Strontium (as Sr)	263.60
Sodium (as Na)	23273
Potassium (as K)	397.50
Lithium (as Li)	15.99
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	4.54
Manganese (as Mn)	0.534
Zinc (as Zn)	0.0820
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	49600
Sulfate (as SO ₄)	550.00
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	200.00
Bicarbonate (as HCO ₃)	244.00
Carbonate (as CO ₃)	0.00
Oxalic acid (as C ₂ O ₄)	0.00
Silica (as Si)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	50.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	18.18

PARAMETERS

Calculated T.D.S.	79260
Molar Conductivity	106512
Resistivity	9.39
Sp.Gr.(g/mL)	1.05
Pressure(atm)	1.00
pCO ₂ (atm)	0.0275
pH ₂ S(atm)	0.0321
Temperature (°F)	80.00
pH	6.70

COMMENTS

ROOKS KS

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