



# 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	_____	_____	_____	_____	_____
	<b>TOTAL</b>	_____	_____	_____	_____	_____

An Ecolab Company

Attention: **Cory.Stahl@CHAMP-TECH.com**

Customer: **Clair Oil (150249189)**

Location Code: **336944**

Region: **Ellis Co, KS**

Sample ID: **A113048**

Location: **Ellis Co, KS**

Login Batch: **170220072322-HAYS**

System: **Production System**

Collection Date: **02/16/2017**

Equipment: **Well Bowby 2 Injection**

Receive Date: **02/20/2017**

Lab ID: **ABU-0055**

Report Date: **02/21/2017**

Sample Point: **SWT**

Analyses	Result	Unit
Dissolved CO2	88	mg/L
Dissolved H2S	8	mg/L
pH	7.0	psi
Pressure	<.25	° F
Temperature	70	

Analyses	Result	Unit
Bicarbonate	93	mg/L
Conductivity (Calculated)	193638	µS - cm3
Ionic Strength	2.53	
Resistivity	0.052	ohms - m
Specific Gravity	1.080	
Total Dissolved Solids	123930.5	mg/L

Cations	Result	Unit
Iron	2.041	mg/L
Manganese	0.324	mg/L
Barium	18.53	mg/L
Strontium	411.3	mg/L
Calcium	8514	mg/L
Magnesium	3122	mg/L
Sodium	34285.26	mg/L

Anions	Result	Unit
Chloride	77189	mg/L
Sulfate	295	mg/L

Scale Type	Result
Anhydrite CaSO4 SI	-0.88
Barite BaSO4 PTB	10.2
Barite BaSO4 SI	1.16
Calcite CaCO3 SI	-0.34
Celestite SrSO4 SI	-0.15
Gypsum CaSO4 SI	-0.73
Hemihydrate CaSO4 SI	-0.77
Saturation Index Calculation (Tomson-Oddo Model)	

Comments