



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 | _____ | _____ | _____ | _____ | _____ |

An Ecolab Company

Attention: **Brodie.Pfannenstiel@CHAMP-TECH.com**

Customer: **Stratakan Exploration**

Location Code: **28791**

Region: **Not Available**

Sample ID: **AC77572**

Location: **Ellis, KS**

Login Batch: **141016104526**

System: **Production System**

Collection Date: **10/15/2014**

Equipment: **Well Rossie Morgan 1**

Receive Date: **10/16/2014**

Lab ID: **ABU-0055**

Report Date: **10/21/2014**

Sample Point: **Wellhead**

| Analyses | Result | Unit |
|---------------|------------|------|
| Dissolved CO2 | 484 | mg/L |
| Dissolved H2S | 77 | mg/L |
| pH | 6.8 | |
| Pressure | 25 | psi |
| Temperature | 100 | ° F |

| Analyses | Result | Unit |
|------------------------|----------------|----------|
| Bicarbonate | 488 | mg/L |
| Conductivity | 50984 | µS - cm3 |
| Ionic Strength | 0.64 | |
| Resistivity | 0.196 | ohms - m |
| Specific Gravity | 1.023 | |
| Total Dissolved Solids | 32632.5 | mg/L |

| Cations | Result | Unit |
|-----------|----------------|------|
| Iron | 2.787 | mg/L |
| Manganese | 0.129 | mg/L |
| Barium | 0.051 | mg/L |
| Strontium | 44.55 | mg/L |
| Calcium | 1713 | mg/L |
| Magnesium | 437.6 | mg/L |
| Sodium | 9910.38 | mg/L |

| Anions | Result | Unit |
|----------|--------------|------|
| Chloride | 17464 | mg/L |
| Sulfate | 2572 | mg/L |

| Scale Type | Result |
|---|--------------|
| Anhydrite CaSO4 SI | -0.39 |
| Barite BaSO4 SI | -0.17 |
| Calcite CaCO3 PTB | 48.2 |
| Calcite CaCO3 SI | 0.18 |
| Celestite SrSO4 PTB | 7.5 |
| Celestite SrSO4 SI | 0.13 |
| Gypsum CaSO4 SI | -0.24 |
| Hemihydrate CaSO4 SI | -0.18 |
| Saturation Index Calculation (Tomson-Oddo Model) | |

| |
|---|
| <p>Comments:</p> |
|---|

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An Ecolab Company

Attention: **Brodie.Pfannenstiel@CHAMP-TECH.com**

Customer: **Stratakan Exploration**

Location Code: **144792**

Region: **Not Available**

Sample ID: **AC17922**

Location: **Graham County, KS**

Login Batch: **140702110524**

System: **Production System**

Collection Date: **06/30/2014**

Equipment: **Well Jensen #2**

Receive Date: **07/02/2014**

Lab ID: **ABU-0055**

Report Date: **07/14/2014**

Sample Point: **Bleeder**

| Analyses | Result | Unit |
|---------------|------------|------|
| Dissolved CO2 | 836 | mg/L |
| Dissolved H2S | 131 | mg/L |
| pH | 7.2 | |
| Pressure | 120 | psi |
| Temperature | 90 | ° F |

| Analyses | Result | Unit |
|------------------------|-----------------|----------|
| Bicarbonate | 874 | mg/L |
| Conductivity | 49694 | µS - cm3 |
| Ionic Strength | 0.63 | |
| Resistivity | 0.201 | ohms - m |
| Specific Gravity | 1.021 | |
| Total Dissolved Solids | 31805.66 | mg/L |

| Cations | Result | Unit |
|-----------|----------------|------|
| Iron | 0.88 | mg/L |
| Manganese | 0.581 | mg/L |
| Barium | 0.219 | mg/L |
| Strontium | 58.31 | mg/L |
| Calcium | 1826 | mg/L |
| Magnesium | 665.9 | mg/L |
| Sodium | 9143.77 | mg/L |

| Anions | Result | Unit |
|----------|--------------|------|
| Chloride | 17687 | mg/L |
| Sulfate | 1549 | mg/L |

| Scale Type | Result |
|---|--------------|
| Anhydrite CaSO4 SI | -0.66 |
| Barite BaSO4 PTB | 0.1 |
| Barite BaSO4 SI | 0.29 |
| Calcite CaCO3 PTB | 272.6 |
| Calcite CaCO3 SI | 0.76 |
| Celestite SrSO4 PTB | 1.3 |
| Celestite SrSO4 SI | 0.01 |
| Gypsum CaSO4 SI | -0.44 |
| Hemihydrate CaSO4 SI | -0.38 |
| Saturation Index Calculation (Tomson-Oddo Model) | |

| Comments: |
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