



# RAILROAD COMMISSION OF TEXAS

## OFFICE OF GENERAL COUNSEL

OIL AND GAS DOCKET NO. 02-0262518

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THE APPLICATION OF T-C OIL COMPANY TO AMEND THE FIELD RULES FOR THE ANAQUA (3100) FIELD, REFUGIO COUNTY, TEXAS

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Heard by: Donna K. Chandler on August 12, 2009

**Appearances:**

Davin McGinnis  
Roger Dixon

**Representing:**

T-C Oil Company

**EXAMINER'S REPORT AND RECOMMENDATION**

**STATEMENT OF THE CASE**

Field rules for the Anaqua (3100) Field were adopted on June 30, 2009 in Order No. 02-0262518, effective June 30, 2009. The rules in effect for the field are summarized as follows:

1. Designation of the field as the correlative interval from 3,062 feet to 3,125 feet as shown on the log of the River Ranch -A-/Williams State Unit Well No. 1;
2. 233'-466' well spacing;
3. 20 acre oil units;
4. MER of 250 BOPD per well.

T-C Oil Company requests that the field rules be amended as follows:

1. No change;
2. 233'-0' well spacing;
3. 10 acre oil units;
4. No change.

This application was unopposed and the examiner recommends that the field rules for the Anaqua (3100) Field be amended as proposed by T-C Oil Company.

**DISCUSSION OF THE EVIDENCE**

The Anaqua (3100) Field was discovered in September 2008 and ten oil wells have been completed in the field. T-C Oil Company operates all of the wells in the field. Cumulative production from the field is 47,770 BO through June 2009.

The wells in the field are located in close proximity to the San Antonio River, resulting in difficulties finding surface locations. Additionally, there is a large northeast/southwest trending fault which bounds the field to the east and T-C is attempting to locate wells at optimum structural locations to avoid intersecting splinter faults. For these reasons, T-C requests that the between-well spacing requirement be eliminated to accommodate additional development.

T-C has estimated ultimate recoveries for all 10 wells currently in the field. The estimates range from 73,000 BO to 400,000 BO. Recoverable oil beneath 20 acres ranges from approximately 200,000 BO to over 600,000 BO, depending on pay thickness, which ranges from 20 feet to 66 feet. It appears that most wells will not adequately drain 20 acres and T-C therefore requests that the density rule be amended to 10 acres per well.

**FINDINGS OF FACT**

1. Notice of this hearing was given to all persons entitled to notice at least ten days prior to the date of hearing.
2. Field rules for the Anaqua (3100) Field provide for a designated interval, 233'-466' well spacing, 20 acre density and an MER of 250 BOPD per well.
3. The Anaqua (3100) Field was discovered in September 2008 and there are ten oil wells in the field, all operated by T-C Oil Company.
4. Elimination of the between-well spacing requirement in the field is necessary to provide flexibility in locating wells.
  - a. The wells in the field are located in close proximity to the San Antonio River and within its flood plain.
  - b. The field is bounded by a large northeast/southwest trending fault and wells must be located at optimum locations between splinter faults.

5. Adoption of a 10 acre density rule is appropriate for the subject field.
  - a. Estimated ultimate recoveries for all 10 wells range from 73,000 BO to 400,000 BO.
  - b. Recoverable oil beneath 20 acres ranges from approximately 200,000 BO to over 600,000 BO, depending on pay thickness.
  - c. Net pay ranges from 20 feet to 66 feet.

**CONCLUSIONS OF LAW**

1. Proper notice of this hearing was given to all persons legally entitled to notice.
2. All things have occurred or been accomplished to give the Railroad Commission jurisdiction in this matter.
3. Amending the field rules for the Anaqua (3100) Field is necessary to prevent waste and protect correlative rights.

**EXAMINER'S RECOMMENDATION**

Based on the above findings and conclusions, the examiner recommends that the field rules for the Anaqua (3100) Field be amended as proposed by T-C Oil Company.

Respectfully submitted,

  
Donna K. Chandler  
Technical Examiner