

**THE APPLICATION OF LIME ROCK RESOURCES A, L.P. TO AMEND THE FIELD RULES FOR THE REKLAW (RODESSA) FIELD, CHEROKEE COUNTY, TEXAS**

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**Heard by:** Andres J. Trevino, P.E. on April 8, 2011

**Appearances:**

Dale Miller

**Representing:**

Lime Rock Resources A, L.P.

**EXAMINER'S REPORT AND RECOMMENDATION**

**STATEMENT OF THE CASE**

Field rules for the Reklaw (Pettit) Field were adopted on May 25, 1965 in Order No. 6-54,713. The rules in effect for the field are summarized as follows:

1. 1,867'-3,735' well spacing;
2. 640 acre gas units with 10% tolerance;
3. 100% acreage allocation.

Lime Rock Resources requests that the field rules be amended as follows:

1. Designation of the field as the correlative interval from 7,778 feet to 7,794 feet as shown on the log of the Reklaw GU 4 Well No. 11;
2. 467'-933' well spacing;
3. 640 acre units with optional 40 acre units;
4. Allocation based on 100% acreage; continued AOF.

This application was unopposed and the examiner recommends that the field rules for the Reklaw (Rodessa) Field be amended as proposed by Lime Rock Resources A.

**DISCUSSION OF THE EVIDENCE**

The Reklaw (Rodessa) Field was discovered in 1964 upon completion of the Reklaw GU 2 No. 1 by Exxon Corp. A total of eight gas wells have been completed in the field, two of which have been plugged and abandoned. The only active producing well in the field

is the Reklaw GU 4 No. 11 operated by Lime Rock Resources A, L.P.

Lime Rock proposes that the Reklaw (Rodessa) Field be designated to include the entire productive Rodessa interval. This interval is shown on the log of the Reklaw GU 4 No. 11 between the depths of 7,779 feet and 7,794 feet.

Wells which have been completed in the field have produced between 2.4 MMCF and 8.9 BCF. Lime Rock's Reklaw GU 4 No. 11 has produced only 343.8 MMCF and is expected to have an ultimate recovery of 516 MMCF. Average porosity of the reservoir is 12% and average water saturation is 35%. Average net pay is 33 feet. Recoverable reserves beneath 640 acres are estimated to be 12.8 BCF of gas and recoverable reserves beneath 40 acres are estimated to be 802 MMCF of gas. One of the early wells in the field drained a large area and Lime Rock requests that the 640 acre base units be retained. However, the Reklaw GU 4 No. 11 will drain only 26 acres. Lime Rock plans to recomplete wells currently producing in the deeper Reklaw (Pettit) Field into the Reklaw (Rodessa) Field. Lime Rock believes additional up hole potential exists in some wells currently producing from the Pettit only. Having field rules in the Reklaw (Rodessa) Field similar to the Reklaw (Pettit) Field will facilitate the recompletion and commingling of the two reservoirs.

The requested 467'-933' well spacing rule will accommodate development on 40 acre units. Additionally, Lime Rock provide a tabulation indicating that the rules proposed for the Reklaw (Rodessa) Field are common for other gas fields in the area.

### **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. The Reklaw (Rodessa) Field was discovered in 1964 and is non-associated gas field which has had eight producing wells.
3. Field rules for the Reklaw (Rodessa) Field provide for 1,867'-3,735' well spacing, 640 acre density and 100% acreage allocation. The field is AOF.
4. The Reklaw (Rodessa) Field should be designated to include the entire productive Rodessa interval as shown on the log of the Reklaw GU 4 No. 11 between the depths of 7,779 feet and 7,794 feet.
5. A density rule providing for optional 40 acre density is appropriate for the Reklaw (Rodessa) Field.
  - a. Completed wells in the field have produced between 2.4 MMCF and 8.9 BCF.

- b. Lime Rock's Reklaw GU 4 No. 11 has produced 343.8 MMCF and is expected to have an ultimate recovery of 516 MMCF.
  - c. Recoverable reserves beneath 640 acres are estimated to be 12.8 BCF of gas and recoverable reserves beneath 40 acres are estimated to be 802 MMCF of gas.
- 6. The requested 467'-933' well spacing rule will accommodate development on 40 acre units and will encourage commingling with wells completed in the Reklaw (Pettit) Field.
  - 7. The rules proposed for the Reklaw (Rodessa) Field are similar to rules governing other gas fields in the area.

**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 Reklaw (Rodessa) 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 Reklaw (Rodessa) Field be amended as proposed by Lime Rock.

Respectfully submitted,

Andres J. Trevino, P.E.  
Technical Examiner