

**RAILROAD COMMISSION OF TEXAS  
OFFICE OF GENERAL COUNSEL**

**OIL AND GAS DOCKET  
NO. 6E-0228952**

**IN THE EAST TEXAS FIELD, RUSK  
COUNTY, TEXAS**

**FINAL ORDER  
APPROVING THE APPLICATION OF MISSION RESOURCES CORPORATION  
TO INJECT FLUID INTO A RESERVOIR  
PRODUCTIVE OF OIL OR GAS  
EAST KILGORE UNIT WELL NOS. 47, 51 AND 73  
IN THE EAST TEXAS FIELD  
RUSK COUNTY, TEXAS**

The Commission finds that after statutory notice in the above-numbered docket heard on September 7, 2001, the presiding examiners have made and filed a report and proposal for decision containing findings of fact and conclusions of law, which was served on all parties of record; that the proposed application is in compliance with all statutory requirements; and that this proceeding was duly submitted to the Railroad Commission of Texas at conference held in its offices in Austin, Texas.

The Commission, after review and due consideration of the examiners' report and proposal for decision, the findings of fact and conclusions of law contained therein, and any exceptions and replies thereto, hereby adopts as its own the findings of fact and conclusions of law contained therein, and incorporates said findings of fact and conclusions of law as fully set out and separately stated herein.

Therefore it is **ORDERED** by the Railroad Commission of Texas that Mission Resources Company be and is hereby authorized to conduct water injection operations in the South Kilgore Unit, Well Nos. 47, 51 and 73, East Texas Field, Rusk County, Texas, subject to the following terms and conditions:

**SPECIAL CONDITIONS:**

1. Injection of up to ONE THOUSAND FIVE HUNDRED (1500) barrels per day of produced saltwater, at a maximum surface pressure of 1000 psig, will be permitted into each of Well Nos. 47, 51 and 73 on the South Kilgore Unit.
2. The permitted injection interval in South Kilgore Unit Well No. 47 is between 3682 and 3690 feet.
3. The permitted injection interval in South Kilgore Unit Well No. 51 is between 3637 and 3689 feet.
4. The permitted injection interval in South Kilgore Unit Well No. 73 is between 3485 and 3630 feet.
5. Prior to beginning injection operations in South Kilgore Unit Well No. 51, the 4-1/2 inch liner will be perforated at 3270 feet. Sufficient cement will be squeezed in a manner to effectively seal

the annular space behind the casing to as to prevent migration of injected fluid behind the casing.

6. Prior to beginning injection operations in South Kilgore Unit Well No. 73, the 4-1/2 inch liner will be perforated at 3350 feet. Sufficient cement will be squeezed in a manner to effectively seal the annular space behind the casing to as to prevent migration of injected fluid behind the casing.
7. Annual annulus pressure tests must be performed in South Kilgore Unit Well Nos. 47, 51 and 73, with test pressure equal to the maximum authorized injection pressure of 1000 psig. The tests must be performed and the results submitted in accordance with the instructions of Form H-5.

**STANDARD CONDITIONS:**

1. Fluid injection must be through tubing set on a packer.
2. The District Office must be notified 48 hours prior to
  - a. running tubing and setting packer;
  - b. beginning any workover or remedial operation;
  - c. conducting any required pressure tests or surveys.
3. The wellhead must be equipped with a pressure observation valve on the tubing and for each annulus.
4. Prior to beginning injection, and subsequently after any workover, an annulus pressure test must be performed. The test pressure must equal the maximum authorized injection pressure or 500 psig, whichever is less, but must be at least 200 psig. The test must be performed and the results submitted in accordance with the instructions of Form H-5.
5. The injection pressure and injection volume must be monitored at least monthly and reported annually on Form H-10 to the Commission's Austin Office.
6. Within 30 days after completion, conversion to fluid injection, or any workover which results in a change in well completion, a new Form W-2 or G-1 must be filed in duplicate with the District Office to show the current completion status of the well. The date of the injection permit and the project number must be included on the new Form W-2 or G-1.
7. Written notice of intent to transfer the permit to another operator must be submitted to the Commission by filing Form P-4 at least 15 days prior to the date the operator plans for the transfer to occur. Permit transfer will not occur until the Form P-4 has been approved by the Commission.
8. A well herein authorized cannot be converted to a producing well and have an allowable assigned without filing an amended Form W-1 and receiving Commission approval.

Provided further that, should it be determined that such injection fluid is not confined to the approved

All other things of the same nature as those mentioned in the foregoing are hereby approved.

Done this Each day of to the year the of ORDERED is hereby

**RAILROAD COMMISSION OF TEXAS**

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Chairman Michael L. Williams

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Commissioner Charles R. Matthews

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Commissioner Tony Garza

**ATTEST:**

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Secretary