

**RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION**

**Form H-1**

05/2004

**APPLICATION TO INJECT FLUID INTO A RESERVOIR PRODUCTIVE OF OIL OR GAS**

1. Operator name \_\_\_\_\_ 2. Operator P-5 No. \_\_\_\_\_  
(as shown on P-5, Organization Report)

3. Operator Address \_\_\_\_\_

4. County \_\_\_\_\_ 5. RRC District No. \_\_\_\_\_

6. Field Name \_\_\_\_\_ 7. Field No. \_\_\_\_\_

8. Lease Name \_\_\_\_\_ 9. Lease/Gas ID No. \_\_\_\_\_

10. Check the Appropriate Boxes:      New Project       Amendment

    If amendment, Fluid Injection Project No. F- \_\_\_\_\_

    Reason for Amendment:    Add wells     Add or change types of fluids     Change pressure

   Change volume     Change interval     Other (explain) \_\_\_\_\_

**RESERVOIR DATA FOR A NEW PROJECT**

11. Name of Formation \_\_\_\_\_ 12. Lithology \_\_\_\_\_  
(e.g., dolomite, limestone, sand, etc.)

13. Type of Trap \_\_\_\_\_ 14. Type of Drive during Primary Production \_\_\_\_\_  
(anticline, fault trap, stratigraphic trap, etc.)

15. Average Pay Thickness \_\_\_\_\_ 16. Lse/Unit Acreage \_\_\_\_\_ 17. Current Bottom Hole Pressure (psig) \_\_\_\_\_

18. Average Horizontal Permeability (mds) \_\_\_\_\_ 19. Average Porosity (%) \_\_\_\_\_

**INJECTION PROJECT DATA**

20. No. of Injection Wells in this application \_\_\_\_\_

21. Type of Injection Project:    Waterflood     Pressure Maintenance     Miscible Displacement     Natural Gas Storage

   Steam     Thermal Recovery     Disposal     Other \_\_\_\_\_

22. If disposal, are fluids from leases other than the lease identified in Item 9?      Yes     No

23. Is this application for a Commercial Disposal Well ?      Yes     No

24. If for commercial disposal, will non-hazardous oil and gas waste other than produced water be disposed?    Yes     No

25. Type(s) of Injection Fluid:

    Salt Water     Brackish Water     Fresh Water     CO<sub>2</sub>     N<sub>2</sub>     Air     H<sub>2</sub>S     LPG     NORM

    Natural Gas     Polymer     Other (explain) \_\_\_\_\_

26. If water other than produced salt water will be injected, identify the source of each type of injection water by formation, or by aquifer and depths, or by name of surface water source:

<p align="center"><b>CERTIFICATE</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.</p>	<p>Signature _____ Date _____</p>
	<p>Name of Person (type or print) _____</p>
	<p>Phone _____ Fax _____</p>

<b>For Office Use Only</b>	<b>Register No.</b>	<b>Amount \$</b>
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## INSTRUCTIONS FOR FORM H-1

1. **Application.** File the original Form H-1 application, including all attachments, with Assistant Director, Environmental Services, Railroad Commission of Texas, P. O. Box 12967, Capitol Station, Austin, Texas 78711. File one copy of the application and all attachments with the appropriate Railroad Commission District Office. Include with the original application a non-refundable fee of \$200, payable to the Railroad Commission of Texas. Submit an additional \$150 for each request for an exception to Statewide Rule 46(g)(3) and/or (j)(5)(B).
2. **Well Logs.** Attach the complete electric log or a similar well log for one of the proposed injection wells or for a nearby well. Attach any other logging and testing data, such as a cement bond log, available for the well that supports this application.
3.
  - (a) **For a new project,** attach a map with surveys marked showing the location and depth of all wells of public record within one-quarter (1/4) mile radius of the proposed injection well(s).
  - (b) **For an amendment to add wells to a previous authority,** attach a map with surveys marked showing the location and depth of all wells of public record within one-quarter (1/4) mile radius of the additional wells, unless such data has been submitted previously for the project.
  - (c) **Table of Wells.** For those wells in 3(a) or 3(b) that penetrate the top of the injection interval, attach a table of wells showing the dates drilled and their current status. The Commission may adjust or waive this data requirement in accordance with provisions in the "Area of Review" section of Statewide Rule 46 (Rule 46(e)).
4. **Water Letter.** Attach a letter from the Texas Commission on Environmental Quality (TCEQ) or its predecessor or successor agencies for a well within the project area stating the depth to which usable quality water occurs.
5. **Form(s) H-1A.** Attach Form H-1A showing each injection well to be used in the project. Up to TWO wells can be listed on each Form H-1A.
6. **Use of Fresh Water.** Attach Form H-7, Fresh Water Data Form, for a new injection project that includes the use of fresh water. An updated Form H-7 must be attached to Form H-1 for an expansion of a previously authorized fresh water injection project unless the fresh water is purchased from a commercial supplier, public entity, or from another operator.
7. **Plat of Leases, Notice and Hearings**
  - (a) **Plat of Leases.** Attach a plat of leases showing producing wells, injection wells, offset wells and identifying ownership of all surrounding leases within one-half (1/2) mile.
  - (b) **Notice.**
    - (1) Send or deliver a copy of the application to the owner of record of the surface tract on which the well(s) is located; each Commission-designated operator of any well located within one-half (1/2) mile of the proposed injection well(s); and the clerk of the city and county in which the well(s) is located. If this is the initial application for fluid injection authority for this reservoir, send copies of the application to all operators in the reservoir. Attach a signed statement indicating the date the copies of the application were mailed or delivered and the names and addresses of the persons to whom copies were sent.
    - (2) Attach an affidavit of publication signed by the publisher that notice of the application has been published in a newspaper of general circulation in the county where the well(s) will be located. Notice instructions and forms may be obtained from the Commission's Austin Office, the Commission's website ([www.rrc.state.tx.us](http://www.rrc.state.tx.us)) or the District Offices. Attach a newspaper clipping of the published notice.
  - (c) **Protests and Hearings.** An affected person or local government may protest this application. A hearing on the application will be held if a protest is received and the applicant requests a hearing, or if the Commission determines that a hearing is in the public interest. Any such request for a public hearing shall be in writing and contain: (1) the name, mailing address and phone number of the person making the request; and (2) a brief description of how the protestant would be adversely affected by the granting of the application. If the Commission determines that a valid protest has been received, or that a hearing would be in the public interest, a hearing will be held after issuance of proper and timely notice of the hearing by the Commission. If no protest is received within fifteen (15) days of publication or receipt in Austin of the application, the application may be processed administratively.