

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form GT-5
9/75

APPLICATION TO INJECT FLUID INTO A RESERVOIR PRODUCTIVE OF GEOTHERMAL RESOURCES

1. Field Name (as per current proration schedule - including reservoir, if applicable.)	2. RRC District
3. Operator	4. County
5. Lease Name(s) and RRC Lease Number(s)	6. Reservoir Discovery Date

7. Have any injection permits been granted previously to any operator in this reservoir? Yes No
If answer to this question is "NO", ALL OPERATORS IN THE RESERVOIR MUST BE NOTIFIED of this application, and copies of notification attached hereto.

8. Check the Appropriate Block(s):
 New Project or Expansion of Previous Authority to Add Either: New Lease(s) or Additional Well(s) on Same Lease(s)
 Previous Authority Dated _____ by Administrative Action or Hearing, Special Order No. _____

RESERVOIR AND FLUID DATA ON ENTIRE RESERVOIR

9. Name of Reservoir	10. Estimated Productive Area of Entire Reservoir (acres)
11. Composition (sand, limestone, dolomite, etc.)	12. Type of Structure (Include cross-section and structural maps.)
13. Original Bottom Hole Pressure (psig)	14. Current Bottom Hole Pressure (psig)
15. Was Hydrocarbon Gas Present Originally?	16. Original Average Reservoir Temperature

RESERVOIR AND FLUID DATA

17. Number of Productive Acres in Lease(s) within Project Area	18. Average Depth to Top of Pay (ft.)	19. Average Effective Pay Thickness (ft.)
20. Average Horizontal Permeability (mds.)	21. Range of Horizontal Permeability (mds.)	22. Average Porosity (%)

PRODUCTION HISTORY OF RESERVOIR

23. Date First Well Completed on Lease(s)	24. Stage of Primary Depletion of Project Area
25. Current Number of Producing Wells on Each Lease in Project Area	26. Current Mass Production (lbs. x 10 ⁶)
27. SUBMIT ATTACHED SHEET(S) GIVING THE TOTAL MASS PRODUCTION BY YEARS SINCE DISCOVERY & TOTALS. FOR THE LAST 3 YEARS, GIVE THESE FIGURES BY MONTHS.	

INJECTION DATA

28. Type of Injection Fluid (Check the appropriate block(s):) <input type="checkbox"/> Salt Water, <input type="checkbox"/> Brackish Water, <input type="checkbox"/> Fresh Water, <input type="checkbox"/> OTHER (Specify) _____	
28. Source of Injected Fluid(s) (formation(s) and depth(s) in ft.)	29. Injection Pattern and Spacing
30. Total Number of Injection Wells to be Approved in this Application	31. Estimated Maximum Daily Rate of Injection per Well (bbls./day/well)
32. Total Estimated Maximum Daily Rate of Injection for All Wells in this Application. (bbls./day)	33. Maximum Injection Pressure to be Used. (psig)
34. LIST COMPLETE INJECTION WELL DATA ON REVERSE SIDE OF THIS SHEET.	

DATA ON PROPOSED PROJECT AREA

(APPLICANTS MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.) (OVER)

INJECTION WELL DATA

LEASE NAME & WELL NUMBER							
SURFACE CASING	SIZE						
	LENGTH						
	CEMENT VOL. & % GEL						
PRODUCTION CASING	SIZE						
	LENGTH						
	CEMENT VOL. & % GEL						
TUBING	LENGTH						
	PACKER DEPTH						
INJECTION	DEPTH						
	THRU CASING OR TUBING?						

I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Date _____

Signature _____

Operator _____

Name of Person (type or print) _____

Street Address or P.O. Box _____

Title of Person _____

City, State _____ Zip Code _____

Telephone: _____ Area Code _____

- INSTRUCTIONS -

1. ATTACH waivers from *each* operator offsetting the subject lease(s), or attach copies of letters of "Request for Waivers" sent to each operator offsetting the subject lease(s); provided, that if this is the initial application for fluid injection authority for this reservoir, waivers from *all* operators, or copies of "Request for Waivers", for *all* operators in the reservoir shall be attached.
2. ATTACH a list of names and addresses of all offset operators.
3. ATTACH plat of lease(s) in project area, showing producing wells, injection wells, offset wells, and also identify ownership of all surrounding leases.
4. ATTACH a complete electrical log or similar well log of one of the proposed injection wells.
5. *No application will be considered unless Items 1, 2, 3, and 4 are attached to this application.* If all necessary waivers are not attached, the Commission will hold this application for a period of ten (10) days from date of receipt in the Austin office. If no protest has been received in the Austin office within ten (10) days, the application will be processed.
6. Mail the *complete* application (including waivers) directly to the Austin office of the Railroad Commission; and the same day mail a copy of the application form, copy of plat and log to the appropriate District office.