RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

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. ___________

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

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 (%)

RESERVOIR AND FLUID DATA ON ENTIRE RESERVOIR

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 10⁵)

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

26. Type of Injection Fluid (Check the appropriate block(s)):
   □ Salt Water, □ Brackish Water, □ Fresh Water, □ 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.
   (APPLICANTS MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.) (OVER)
<table>
<thead>
<tr>
<th>LEASE NAME &amp; WELL NUMBER</th>
<th>SIZE</th>
<th>LENGTH</th>
<th>CEMENT VOL. &amp; % GEL</th>
<th>SIZE</th>
<th>LENGTH</th>
<th>CEMENT VOL. &amp; % GEL</th>
<th>TUBING LENGTH</th>
<th>PACKER DEPTH</th>
<th>INJECTION DEPTH</th>
<th>THRU CASING OR TUBING?</th>
</tr>
</thead>
</table>

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
Operator
Street Address or P.O. Box
City, State Zip Code

Signature
Name of Person (type or print)
Title of Person
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.