

U.S. DEPARTMENT OF ENERGY  
FIELD TASK PROPOSAL/AGREEMENT

1831 General

1. WORK PACKAGE NUMBER	2. TASK NO.	3. REV. NO. 0	4. PROJECT NO.	5. DATE PREPARED (mm dd yy) 01-30-80	6. CONTRACTOR NUMBER F218
7. TASK TITLE Environmental Assessment-HDR Geothermal			8. WORK PACKAGE TITLE		
9. BUDGET AND REPORTING CODE GK-01-02-03-1	10. TASK TERM Begin: (mm dd yy) 10-01-75 End: (mm dd yy) Open		11. CONTRACTOR NAME Los Alamos Scientific Laboratory		12. CODE (See instructions)
13. CONTRACTOR TASK MANAGER (Name: Last, First, MI) (PTS No.)  Petersen, Donald F. 843-2690			14. PRINCIPAL INVESTIGATORS (Name: Last, First, MI.)  Miera, Jr., Felix R.		
15. WORK LOCATION (See instructions): Name of facility, City, State, Zip Code  Los Alamos Scientific Laboratory P. O. Box 1663 Los Alamos, New Mexico 87545				16. Is this task included in the Instructional Plan? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17. Does this task include any management services efforts? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. TASK DESCRIPTION (Approach, relation to work package, in 200 words or less)					

This task was initiated to provide an integrated and comprehensive assessment of the environmental implications in developing Hot Dry Rock (HDR) geothermal resources. The results obtained will be significant in that they will provide an early basis for evaluating environmental controls or alternatives. The underlying task objective is to provide necessary information where it is presently lacking, which will satisfy EDP requirements and evaluate environmental acceptability of this alternate energy resource.

Programatic efforts are focused on evaluating impacts to water quality, air quality, ecology and resources. Studies to date have emphasized establishing biotic and abiotic baseline inventories and measurements, characterization of source terms and identifying pathways by which residuals and emissions may potentially reach the environment. Where applicable, tests are conducted under controlled environmental conditions using proven methodologies and validated through field test comparisons. These efforts will provide a long-term predictive capability for monitoring impacts from HDR technology development and an evaluation of appropriateness of methodologies currently used for gathering baseline data and their application in geothermal environmental assessment.

19. CONTRACTOR TASK MANAGER



12160

(Signature)

(Date)

20. DETAIL ATTACHMENTS. (See instructions)

- |   |   |   |   |
|---|---|---|---|
| <input type="checkbox"/> a. Facility Requirements   | <input type="checkbox"/> e. Background                    | <input type="checkbox"/> g. Future accomplishments          | <input type="checkbox"/> i. Explanation of questions    |
| <input checked="" type="checkbox"/> b. Publications | <input checked="" type="checkbox"/> f. Approach           | <input type="checkbox"/> h. Relationships to other projects | <input type="checkbox"/> j. ZBB Data                    |
| <input checked="" type="checkbox"/> c. Reports      | <input checked="" type="checkbox"/> t. Technical progress | <input type="checkbox"/> l. Environmental assessment        | <input checked="" type="checkbox"/> k. Other (Specify): |