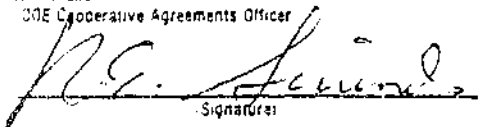
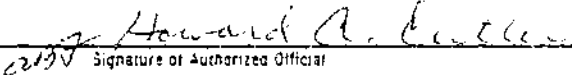


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U. S. DEPARTMENT OF ENERGY COOPERATIVE AGREEMENT PURSUANT TO AUTHORITY OF PL 93-410, PL 93-438, PL 93-473, PL 93-577, and PL 93-91		1.a. Agreement No. DE-FC07-79ET27034	1.b. Modification No.								
1. Participant Name and Address Alaska Geophysical Institute University of Alaska Fairbanks, Alaska 99701		2. Agreement Period From: March 7, 1979 To: March 6, 1980									
5. Project Title Geothermal Assessment and Reservoir Definition in Alaska		4. Participant Type <input checked="" type="checkbox"/> Educational <input type="checkbox"/> Nonprofit <input type="checkbox"/> State or Local Government <input type="checkbox"/> Profit									
3. Principal Investigator(s) or Program Director(s) Name and Address Donald L. Turner Alaska Geophysical Institute University of Alaska Fairbanks, Alaska Telephone: 907-479-7198		8. Project Will Be Conducted Per See Article <u>II</u>									
10. Accounting and Appropriation Data 89X0210.91		7. Technical Reports Are Required See Article <u>VII</u>									
12. Submit Vouchers, if any, to Agreement Officer Unless Otherwise Specified in this Block Director, Contracts Management Division, DOE-ID, 550-2nd St. Idaho Falls, Idaho 83401		9. DOE Program Officer (Name and Address) Leland L. Mink, E&T Division Idaho Operations Office, DOE 550 Second Street Idaho Falls, Idaho 83401 Telephone No. 208-526-0638									
11. Funding Sources <table border="1"> <thead> <tr> <th>Source</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>DOE:</td> <td>\$ 320,081.00</td> </tr> <tr> <td>Participant:</td> <td>\$ 8,357.00</td> </tr> <tr> <td>Total Funding:</td> <td>\$ 328,438.00</td> </tr> </tbody> </table>		Source	Amount	DOE:	\$ 320,081.00	Participant:	\$ 8,357.00	Total Funding:	\$ 328,438.00	11. Method of Payment <input type="checkbox"/> % At Award, % When Requested, 5% Upon Receipt of Final Report <input type="checkbox"/> Letter of Credit <input type="checkbox"/> Reimbursement <input checked="" type="checkbox"/> Other (specify) See Article <u>IV</u>	
Source	Amount										
DOE:	\$ 320,081.00										
Participant:	\$ 8,357.00										
Total Funding:	\$ 328,438.00										
13. DOE Issuing Office (Name and Address) Idaho Operations Office 550 Second Street Idaho Falls, Idaho 83401		14. Remarks:									
15. DOE Cooperative Agreements Officer  5/15/79 Signature: _____ Date: _____ Name (typed) <u>R. E. Simonds</u> Title <u>Director, Contracts Management Div.</u> Telephone No <u>208-526-1347</u>		13. Participant Acceptance <u>UNIVERSITY OF ALASKA</u> By  2/27 Signature of Authorized Official Name (typed) <u>Howard A. Cutler</u> Title <u>Chancellor, UAF</u>									
Amount Obligated by This Action \$ 248,661.00											

ARTICLE II - DESCRIPTION OF RESPONSIBILITIES (Cont'd)

- Task 1. Continuation of resource assessment of any newly-discovered areas.
- Task 2. Temperature and gravity studies around prospect reservoirs.
- Task 3. Geochronologic studies in selected geothermal prospect areas.
- Task 4. Active seismic probing of selected geothermal reservoir areas.
- Task 5. Electromagnetic studies at selected sites to determine the extent of geothermal reservoirs

The Participant is also responsible for cost-sharing to the extent provided for in Article III, "Financial Support of the Project."

ARTICLE III - FINANCIAL SUPPORT OF THE PROJECT

A. The total estimated cost of performing the work under this Agreement is Three Hundred Twenty-Eight Thousand Four Hundred Thirty-Eight Dollars (\$328,438.00). The Participant shall be reimbursed by DOE for not more than 97% of the costs of the project determined to be allowable in accordance with Article A-I of the General Provisions entitled "Allowable Costs." The remaining 3% or more of the costs of the project so determined shall constitute the Participant's share for which it will not be reimbursed by DOE. The total cost to DOE is hereby established as Three Hundred Twenty Thousand Eighty-One Dollars (\$320,081.00), and this amount is also the maximum amount of the project which is subject to reimbursement by DOE unless such maximum cost is changed in writing by the Contracting Officer.

B. In regard to any increase or decrease in the total estimated cost of this Agreement, as a result of any change in the original Statement of Work, as may be agreed upon by the parties during the term of this Agreement, the appropriate sharing of the funding, if any, of such increase or decrease shall be shared at the ratio of 97% DOE and 3% Participant.

C. The amount of funds obligated under this Agreement by DOE for the period from March 5, 1979 through March 6, 1980 is Three Hundred Twenty Thousand Eighty-One Dollars (\$320,081.00). Future funding will be provided for in future years when and if available.