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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Conservation Division, MS-92
345 Middlefield Road
Menlo Park, CA 94025



DEC 03 1981

Memorandum

To: Interested Parties

From: Acting Deputy Conservation Manager, Geothermal

Subject: Unit Plan of Exploration, Amax Exploration, Inc., Alum Unit,
Esmeralda County, Nevada
Ref: 2404-02 Alum Unit (POE for CER 191-82)

Amax Exploration, Inc., has submitted a Unit Plan of Exploration in accordance with 30 CFR 270.34 to drill up to twenty-three (23) 8000-foot (2462 meters) geothermal exploratory wells on Federal Leases N-31417, N-31418, N-31419, N-31420, N-31421, N-31422, and N-31423 in the Alum Unit, Esmeralda County, Nevada. A copy of the Unit Plan of Exploration is available from the Office of the Deputy Conservation Manager for Geothermal, or the Office of the Reno District Geothermal Supervisor.

A Categorical Exclusion Review (CER #191-82) will be prepared by the Office of the Deputy Conservation Manager for Geothermal for the proposed action. A field inspection is not considered necessary at this time. You are encouraged to visit the site at your own convenience. Any inquiries should be directed to Mr. Bernie Moroz, Reno District Geothermal Supervisor, Kietzke Plaza, Building D, Suite 137, 4600 Kietzke Lane, Reno, Nevada (Tel: (702) 784-5676, FTS: 470-5676).

We urge you to send written commentary and will appreciate hearing from you even if you are of the opinion that the existing regulations, lease terms, and Operational Orders provide adequate environmental protection.

All comments concerning the proposed actions should be received no later than December 21, 1981 by:

Deputy Conservation Manager, Geothermal
U.S. Geological Survey, Conservation Division
345 Middlefield Road, MS-92
Menlo Park, CA 94025

Tel: (415) 323-8111, ext, 2841
FTS: 467-2841

All comments will be given serious consideration in the preparation of the Environmental document or any subsequent conditions of approval.

The Deputy Conservation Manager for Geothermal will not send a draft Categorical Exclusion Review to Interested Parties for review of the proposed action. Certain parties, however, such as the surface managing agency, the lessee, GEAP, and the U.S. Fish and Wildlife Service will receive a copy of the completed CER. Copies of the CER are available for inspection during normal business hours at the Office of the Deputy Conservation Manager for Geothermal and the Las Vegas BIM District Manager's Office.



for William F. Isherwood

Enclosure

Proposed Plan of Exploration

Alum Unit

Esmeralda County, Nevada

United States Geothermal Leases N-31417, N-31418,
N-31419, N31420, N-31421, N31422, N-31423

AMAX-Exploration, Inc.
7100 West 44th. Avenue
Wheat Ridge, Colorado 80033

May 1981

AMAX EXPLORATION, INC.
A SUBSIDIARY OF AMAX INC.

R E C E I V E D

NOV 30 1981

OFFICE OF DIR., GEOTHERMAL
CONSERVATION DIVISION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIFORNIA

GEOTHERMAL BRANCH

July 2, 1981

Ms. Jeane Hopkins
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, California 94025

Re: AMAX Exploration, Inc. Proposed Plan of Exploration, Alum Unit,
Esmeralda County, Nevada.

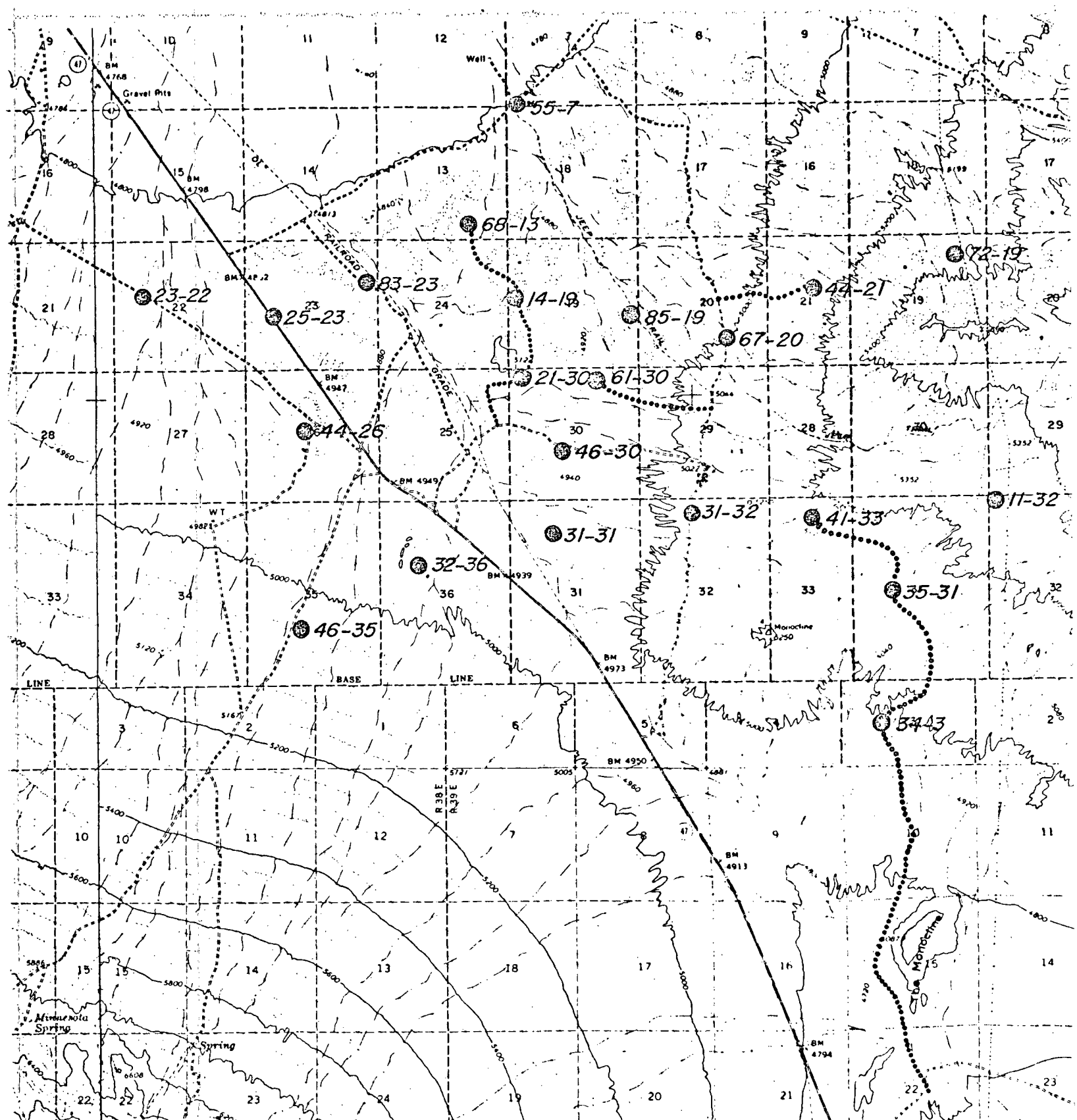
Dear Jeane:

This letter is submitted as an addendum to the above referenced report and may be cited as authority for the additions and changes listed below.

The planned well location as shown on Exhibit "A" were based upon office picks. When the holes were flagged hole 32-36 T1N R38E had to be moved to a 41-36 T1N R38E location. Three copies of a Sundry Notice for the proposed changes are enclosed.

AMAX would like to add one hole, a 56-29 T1N R38 1/2E location, to the POE. Three copies of the Geothermal Drilling Permit are enclosed.

AMAX requests that the enclosed pages 3-1, and 3-2 be added to the section of the POE titled DETAILS OF WORK. The new pages outline an integrated exploration program of geological, geochemical and geophysical studies and a phased exploration drilling program including shallow

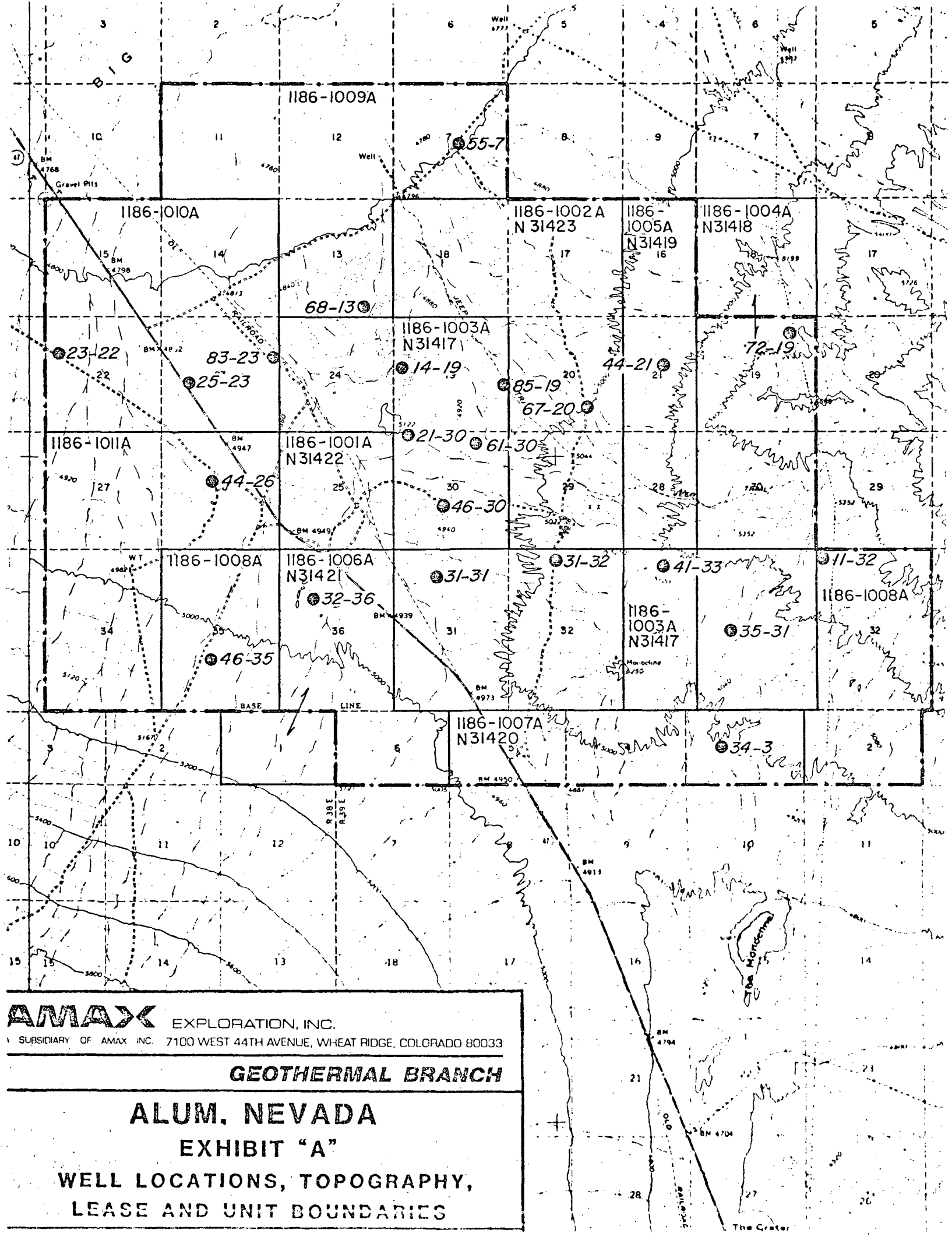


EXPLORATION, INC.
 A SUBSIDIARY OF AMAX INC 7100 WEST 44TH AVENUE, WHEAT RIDGE, COLORADO 80033

GEOHERMAL BRANCH

**ALUM, NEVADA
 EXHIBIT "B"**

**WELL LOCATIONS AND
 NEW ROAD CONSTRUCTION**



AMAX EXPLORATION, INC.
 A SUBSIDIARY OF AMAX INC. 7100 WEST 44TH AVENUE, WHEAT RIDGE, COLORADO 80033

GEOTHERMAL BRANCH

**ALUM, NEVADA
 EXHIBIT "A"**

**WELL LOCATIONS, TOPOGRAPHY,
 LEASE AND UNIT BOUNDARIES**

The Crater