



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
BUR OF LAND MANAGEMENT
CARSON CITY FIELD OFFICE

MAR 7 11 27 AM '83

345 Middlefield Road
Menlo Park, CA 94025

RECEIVED

MAR 10 1983

IN REPLY REFER TO:

MS-92

MAR 03 1983

AMAX Exploration, Inc.
Attn: Mr. Dean Pilkington
1707 Cole Boulevard
Golden, Colorado 80401

Gentlemen:

AMAX Exploration, Inc., Unit Plan of Operation for one (1) geothermal exploratory well in the McCoy Unit is hereby approved subject to the following special conditions in accordance with the MMS Categorical Exclusion Review (CER) #211-83.

Special Conditions of Approval

All operations must be conducted according to the Geothermal Steam Act of 1970, applicable regulations, GRO Orders, Lease Terms, and Special Lease Stipulations; and unless otherwise directed by the Deputy Minerals Manager for Geothermal in consultation with the Authorized Officer, the lessee/operator will comply with the following conditions:

1. Upon abandonment of the drill pads, all holes and trenches shall be back-filled; the drill site shall be graded to conform as nearly as possible with the natural contour; and those areas which have been subjected to soil compaction shall be scarified.
2. The total width of surface disturbance for the improved access road shall be no more than 9 m (30'), including water drainage structures.
3. Sumps and reserve pits shall be lined with an impermeable layer whose percolation rate does not exceed 1×10^{-6} cm/sec.
4. To protect livestock, an unattended sump or pit shall be fenced until the sump or pit has been backfilled.
5. If the operator decides to conduct extended flow-testing and elects to discharge produced geothermal fluids to the surface drainage, the operator shall first: 1) provide water quality analyses of producible geothermal fluids, local groundwater, and any surface water which may be affected (the analyses shall include the chemical parameters required by the BLM), 2) submit these analyses to the Deputy Minerals Manager for Geothermal; the BLM District Manager, Carson City, NV; the BLM District Manager, Battle Mountain, NV; and 3) obtain concurrence from these agencies that the existing groundwater and surface waters will not be adversely affected by this action.

6. The operator shall remove 15 cm (6") of the top layer of soil during leveling of the drill pad and stockpile the soil (separately from vegetation) at the periphery of the site for use in soil reclamation.
7. Removed vegetation shall be stockpiled to provide wildlife cover at a reasonable and safe distance from drilling activities.
8. Water drainage structures shall be constructed along all new or improved access roads where needed to prevent erosion of the road surface at drainage crossings, or ponding of water on the road surface in low areas.
9. If the operator decides to drain the water from the sump at the conclusion of operations, this water shall be disposed of at a site approved by the DMM for Geothermal.
10. No surface disturbing operations shall take place until the U.S. Fish and Wildlife Service determines that there will be no effect on listed endangered and threatened species and/or their critical habitat.

The area of operations, (30 CFR 270.2(o)), as shown on the attached map is incorporated herein by reference.

Approval of this Plan of Operation does not constitute authorization to commence drilling operations. An Application for Permit to Drill must be approved by the Deputy Minerals Manager for Geothermal for the proposed well.

Sincerely,




William F. Isherwood
Acting Deputy Mineralst Manager,
Geothermal

Referred to the District Manager, Bureau of Land Management, Carson City, Nevada this date.

I concur and approve.

3/8/83

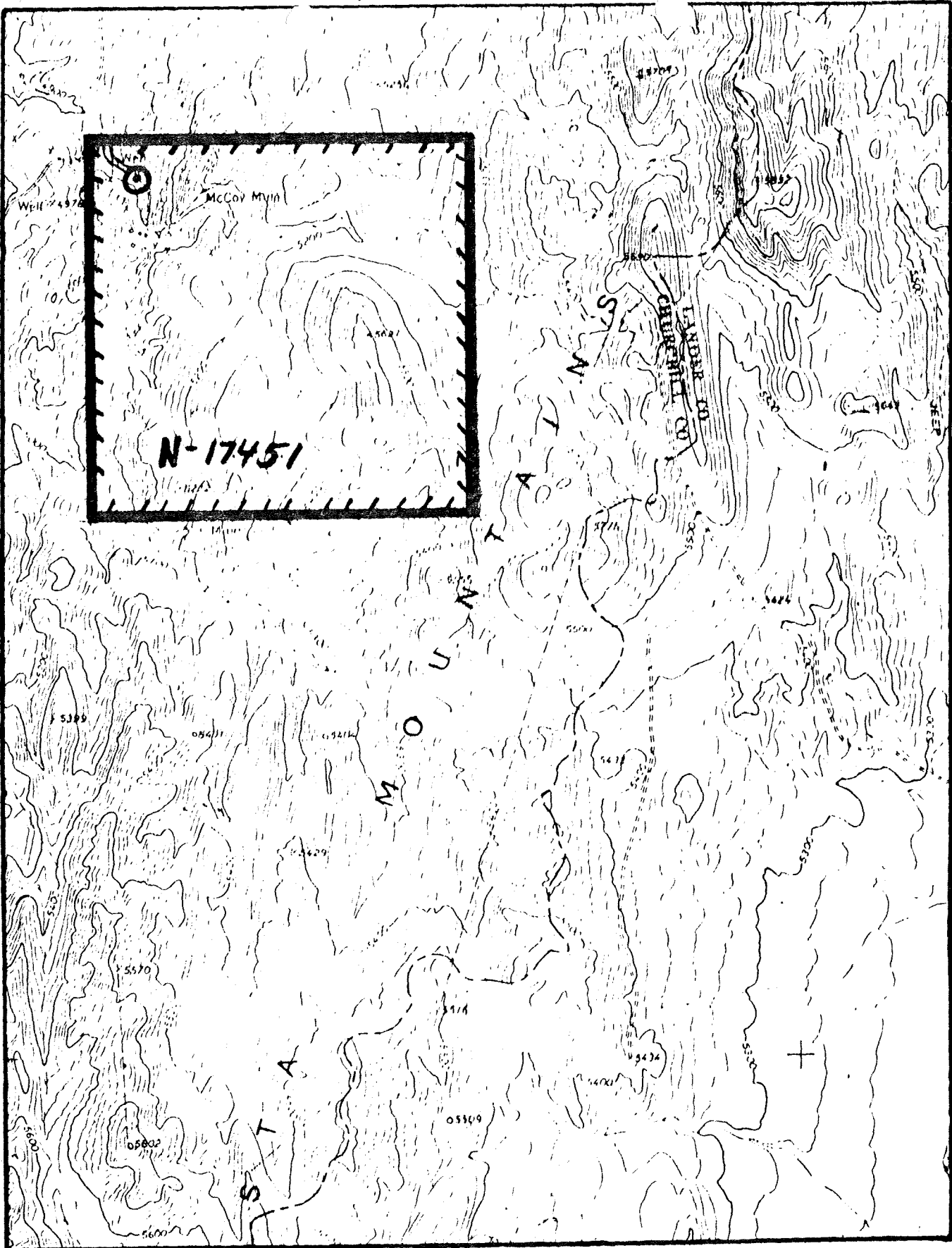
Date Approved and Effective


District Manager, Carson City, Nevada
Bureau of Land Management
Acting Area Mg.

cc: District Manager, BLM, Carson City, NV
DMM, Geothermal, Menlo Park, CA

R 40 E

T 32 N



N-17451



Area of Operations



Federal Lease N-17451 (Portion)

Amax Exploration, Inc.
Alum Unit, NV