

COPY

STATE DEPARTMENT OF GEOLOGY AND
MINERAL INDUSTRIES

1069 STATE OFFICE BUILDING
PORTLAND 1, OREGON

January 25, 1963

Dr. Jack Green
Space Sciences Laboratory
Space & Information Systems Division
North American Aviation, Inc.
12214 Lakewood Blvd.
Downey, California

Dear Jack:

I have just received a Special Land Use Permit to make scientific studies in the vicinity of and within Derrick Cave. So legally we are clean.

The permit is being sent to Norm Peterson who will be with you at the time of your investigation and I am sure Norm will have this in the car.

I am delighted that you will be giving a speech before the faculty at Oregon State University.

Best regards.

Sincerely yours,

Hollis M. Dole
Director

HMD:jr

cc Norman V. Peterson

ORE013127

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FIELD OFFICES:
2033 FIRST STREET
BAKER
239 SOUTHEAST "H" STREET
GRANTS PASS

*Anderson
me. return
T. right
R. 1/11*

J.R. 1/11

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 STATE OFFICE BUILDING
PORTLAND 1

January 10, 1963

Mr. Russell E. Getty, State Director
U.S. Bureau of Land Management
710 N.E. Holladay
Portland 12, Oregon

Dear Mr. Getty:

This Department plans to do research work in Derrick Cave of northern Lake County located, as near as I can determine from the AMS topographic map of the Crescent, Oregon, area (listed as Map # NK 10-3) in T. 24 S., R. 15 E., Sec. 1.

The work will consist of a complete transit survey of the cave underground and the establishment of the surface trace of the cave. In addition, magnetometer and gravity meter surveys will be made in the vicinity and core drillings will be made.

The purpose of this work is to determine the character and size of lava tubes and to make preliminary studies to determine if geophysical methods can pick up the existence of the caves and what order of magnitude any anomaly might be. Core drillings will be of no greater than 1 1/2 inches in diameter, will be only a few feet in length, and will be for the purpose of studying the lava.

The whole purpose of this project is to try to determine if lava tubes show any great anomaly that would be of an order that could be picked up from a Surveyor satellite circling the moon. If lava tubes do occur on the moon, it would enhance man's ability to maintain himself on the moon's surface. As you can see, this project is in the national interest. It is in the State's interest as it could well be that parts of central Oregon are especially attractive for lunar base test sites.

Work on this project will not only be by people from this Department but also scientists from one of the commercial organizations concerned with this matter. The work period that we have chosen is between January 28 and February 5, plus or minus a few days on either side.

The purpose of this letter is to request land ownership check by the Land Office, and if this land does occur within the federal domain, to request permission to conduct this work. I am hoping that you can cooperate with us on this project.

Sincerely yours,

Hollis M. Dole
Director

HMD: jr