

1330 0005

Current

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Item 5

H. L. Jones
c/o John E. Sisson
Suite 515, Van Nuys Bldg.
210 West 7th St., L. A. 14, Calif.
Dear Sir:

NEVADA STATE BUREAU OF MINES
Box C, University Station
Reno

We are gathering information for a bulletin on the mineral resources
of Nye County and would greatly appreciate data on your...
Alpha, Omega groups and any other mining claims you have in Nye County....
Number ^{/12} and name of claims. Alpha, Omega, Harry, Ted, Ben, Florence, Katherine, Abraham,
Lil, Joe, Franklin #1, Franklin #2
Ownership is in what name or names and addresses.....
A & O Co., Inc., Ltd. 136 So Crescent Drive, Beverly Hills, Calif.
Location by distance from a point on highways or railroads..... ^{1/2 mile from}
Highway 66 and about 51 miles southwest of Ely Nevada
.....
Township and section if know, Sec..... T. Current Mining District
Amount and nature of development work and when done. 25 foot tunnel and
many test holes
.....
Ore minerals present, assays... see reverse side of this sheet
.....
Formation ore occurs in.....
Nature and size of ore occurrence, vein, or.....
Shipments made, date and to what mill or smelter.....
Some years ago several carloads were shipped to a pottery mfg. concern in
St Louis.
When discovered and general history (Use back of this page).
Any maps or reports if mailed in will be returned promptly, or pencil
sketches of claims and workings will be appreciated. Please use this
sheet for reply.

Thanking you for your attention to this request,

Nevada State Bureau of Mines
By, Victor E. Kral
Victor E. Kral
Mining Engineer

General Remarks

The deposit which we have has been the subject of a great deal of discussion with a number of authorities. Due to the difference of opinion and the fact that we have no knowledge of any distinctively similar deposit we have had difficulty in determining just what to do with it. The following will explain the situation more accurately.

Analysis

	Smith Emory	Reynolds Metals	Stauffer	Ransom
AL 2O3	39.20%	38.51%	37.0%	36.60%
SiO2	15.00	12.56	14.0	19.66
FeO	.70	.20	0.05	trace of FeO ₃
H2O	3.46	2.80	2.40	9.00 NaO
Alkalies	1.50	2.55	5.00	14.00 Fluorine
CaO	.30	.55	—	0.54 MgO
Sulphur	.15	.50	0.01	15.02 combination water
Ignition Loss	39/47	42.20	41.54	1.45 Moisture

Ransom says—after roasting we get

Aluminum Oxide	60.68%
Silica	15.69
Magnesium Oxide	0.90
Sodium Oxide	7.25
Iron Oxide	trace
	<u>99.62%</u>

Ignition loss at 700°C (1292°F)----- 39.61%
 Ignition loss is Hydrous Silicic Fluoride 23.14%
 Combined water----- 16.47
39.61%

Ransom terms it Aluminum Hydrous Phospho Silicate (an empirical formula)
 $Al_4 Si_2 F_4 O_{10} \cdot 5 H_2 O$.

March 27-1946 a liberal sample was submitted to Mr. Jay Carpenter, Director of Mackay School of Mines at Reno, Nevada, who pronounced it Alunite (regardless of the trace of sulphur)

Jan 31-1947 Ed Eisenhower Jr. gives total sulphur (S) as 1.48% which does not harmonize with alunite.

May 10-1946 Smithsonian Institution calls it natraalunite,, a hydrous aluminum sulphate.

March 2-1946 George P. Kanakoff, Ass't curator in Paleontology says it is Kaolin or Kaolinite

March 22-1945 Julian D. Sears, Administrative Geologist of U.S Dept of the Interior said it is alunite, hydrous potassium aluminum sulfate which has when pure the following: SO₃ 38.6%,

Al₂O₃ 37.0%, K₂O 11.4%, H₂O 13.0% with a total volatile matter about 52%

The Corporation is controlled by the following persons:

Pres. Joe Pitino	Pres. & Treas.	Los Angeles Calif.
V.P. Florence Pitino		" "
Treasurer, Joe Pitino		" "
Secr. Harry Lee Jones,	515 Van Nuys Bldg. Los Angeles	

P.S. We have a large deposit and are anxious to make use of it.