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L.P.F.

J.H.C.

JUN 17 1965

JUN 3 1965

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

June 2, 1965

W.E.S.
JUL 7 1965

READ AND RETURN
PREPARE ANSWERS
FILE INITIALS
J.R.W.
JUN 17 1965
RKK
4/28/65

TO: J. H. COURTRIGHT

FROM: S. VON FAY

UNITED NUCLEAR PROJECT - Sanchez
CARPENTER MINE
SAFFORD AREA
GRAHAM COUNTY, ARIZONA

United Nuclear's prospect is located about 12 miles east and slightly north of Safford, about a mile north of the Sanchez Cemetary. It is southeast of the San Juan and Lone Star areas.

A very small, weak alteration patch, with some weak brecciation and veining is being drilled by United Nuclear, after being drilled several years ago by Bear Creek. Bear Creek drilled 5 holes, of which one had oxide ore, chrysocolla, etc., in grades of about 2% Cu. United Nuclear is on their 27th and 28th holes, of which a number have had intercepts of oxide and sulfide ore (+.4 Cu).

Mineralization is spotty, in andesite and monzonite, over an areal extent of about 500'. The oxide zone extends to depths of over 1000', with chrysocolla, and some native Cu. Sulfides extend to total depth, with cpy, bornite, rare pyrite, and no molybdenite. Grades are generally low, but all holes show some copper.

The great vertical persistence is interesting, but the very small areal extent, the extreme depth of oxidation, lack of any enrichment, and no continuity of grades between holes preclude serious commercial interest.

No further mineral potential is known in the immediate area. United Nuclear is mildly considering the possibility of leaching in place, but because of the mineralogy, and lack of porosity and permeability this appears impractical.

Stephen von Fay
S. VON FAY

SVF/jak