

FILE B-B-170

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY L. D. Jarrard and O. M. Hart
DATES EXAMINED June 23, 19542. STATE Idaho COUNTY LemhiDISTRICT Dahlonaga Mining DistrictNEAREST TOWN Gibbonsville, IdahoPROPERTY Surprise GroupLOCATION:
SEC. 27 T. 3 S R. 19 W

1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY
Owner's samples:		
1.	Grab specimen	0.09% eU ₃ O ₈
2.	Grab specimen	0.12% eU ₃ O ₈
3.	Grab specimen	0.30% eU ₃ O ₈
AEC 8453	Grab specimen	0.345% eU ₃ O ₈ 0.374% eU ₃ O ₈

3. TYPE OF EXAMINATION:
Geologic and radiometric4. DIRECTIONS TO DEPOSIT: Turn west up Volter Creek 1/2 mile south of Gibbonsville.
Proceed 4 miles to Forest Service training camp. Claims are 1/2 mile north.

5. OWNER OR OPERATOR: Charles C. Mathis

ADDRESS: Ralph Dean
Gibbonsville, Idaho

Lessee: I. G. Wilhite

Bismarck, North Dakota

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS: Three dozer trenches. Two trenches crosscut the vein.

7. RADIOACTIVITY: Maximum 1.0 mr/hr. Float rock from vein carries much autunite disseminated throughout the rock.

8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)

A. Steep north slope with dense timber and brush overgrowth.

B. Quartz vein from 5 to 15 feet wide striking N 60° W, steep dip, transecting bedding of Belt formations. Hanging wall of vein where exposed is limonite-stained hard quartz with hematite, varying in width from 6 inches to two feet. The rest of the exposed vein is highly friable vein quartz. Hanging wall portion carries major portion of uranium minerals.

C. Autunite, torbernite, hematite, limonite, quartz.

11. PROOF OF OWNERSHIP RECEIVED? No
PERMISSION TO PUBLISH RECEIVED: No

12. MAP: None

13. OTHER INVESTIGATIONS: None

14. ADDITIONAL INFORMATION: None

15. SUPPLEMENTARY RECONNAISSANCE
REPORT OF FOLLOW Yes