

## NOTES ON URANIUM PROSPECTS NEAR DEAD INDIAN CREEK PARK COUNTY

### Location and Ownership

The deposit consists of three groups of 23 claims. The first group (and most important from a mineralized standpoint) is composed of 14 claims owned by C. Dunrud, Meeteetse, Wyoming; J. C. Nicols, Cody, Wyoming; and Loren Byce, Billings, Montana, and is located in SE 1/4, NW 1/4 Sec. 8, T. 55 N., R. 104 W. The second group consists of 5 claims owned by the Wyoming Uranium Company, Cody, Wyoming, and is located approximately in SE 1/4, SW 1/4 Sec. 5, T. 55 N., R. 104 W.

The third group of 4 claims is owned by D. Snyder and A. Bratten, Cody, Wyoming, and is located approximately in SW 1/4, SW 1/4 Sec. 32, T. 56 N., R. 104 W.

The area is covered by the U. S. Geological Survey Deep Lake, Wyoming, quadrangle, edition of 1950.

The prospects were examined September 18 and 21, 1954, in the company of C. Dunrud.

### Geology and Mineralization

The rocks in the area consist of pre-Cambrian granite which is unconformably overlain by sediments of Cambrian, Ordovician, Devonian,

and Mississippian age. Several miles to the west this sequence is unconformably overlain by the Early Basic Breccia of Tertiary age.

Anomalous radioactivity occurs in the Cambrian Flathead formation about 30 - 40 feet above the contact with pre-Cambrian rocks. Here the Flathead formation consists of a brown-weathering, massive, hard quartzite that is overlain by one to two feet of alluvium. The quartzite bed strikes N.  $86^{\circ}$  E., dips  $5^{\circ}$  SE, and contains two sets of well-developed joints; one of N.  $34^{\circ}$  W. strike and vertical dip and the other of N.  $7^{\circ}$  W. strike and vertical dip.


The anomalous radioactivity appears to be restricted to the joint set that strikes N.  $34^{\circ}$  W. One joint plane in the above set displayed a maximum reading of 0.4 MR./hr. on the scintillometer, but individual samples taken from this spot recorded only 0.1 MR./hr. The average background count is 0.02 MR./hr.

No uranium minerals were identified by the writer.

Grab samples from this deposit that were assayed by the U. S.

Atomic Energy Commission show the following results:

Sample	$\text{Eu}_3\text{O}_8$	$\text{U}_3\text{O}_8$
1	.201%	.378%
2	.056%	.059%

  
 William H. Wilson  
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 Geological Survey of Wyoming  
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