

SLB  
8/2/56

FILE B-60\*

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY W. S. Moen and R. G. Pruitt  
DATE(S) EXAMINED July 4, 1956

2. STATE Idaho COUNTY Clark  
DISTRICT Heart Mountain  
NEAREST TOWN Lidy Hot Springs  
PROPERTY Heart Canyon

1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY
None		

None

LOCATION:

SEC 8, 17 T 11 N R 9 W  
Montana Meridian

3. TYPE OF EXAMINATION: Surface, Scintillation, LaRoe FV-68

4. DIRECTIONS TO DEPOSIT: About 15 miles NNW of Lidy Hot Springs. Area centers on Heart Canyon which is located on the north side of Crooked Creek approximately 1 1/2 miles above its junction with Myers Creek.

5. OWNER OR OPERATOR:	<u>Indian Head Mining Co.</u>	<u>Heart Mountain Mining Co.</u>
ADDRESS:	<u>C. H. Manhart</u>	<u>Bybee and Thomas</u>
	<u>Address unknown</u>	<u>Address unknown</u>

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:

Several abandoned short adits in the area, no record of production or metallic minerals noted on the dump. Recent exploration consists of about 20 doser cuts on slightly radioactive showings.

7. RADIOACTIVITY: Background .02 - .03 MR/hr  
Average in doser cuts 0.035 - 0.050 MR/hr  
Maximum in doser cuts 0.15 MR/hr.

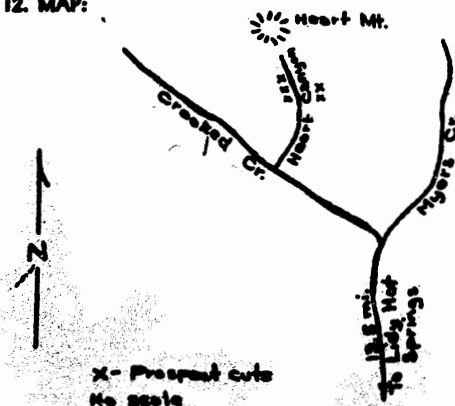
8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)

- A. Moderately wooded glaciated peaks with elevations up to 8,000 feet. Sage covered alluvium-filled valleys at lower elevations.
- B. Predominate formation of the area is the Madison limestone (Miss.) which overlies argillites and quartzites of questionable age, all have been folded and faulted. Tertiary volcanics overlie the above units in the lower valleys to the south.
- C. Carnotite is the only uranium mineral noted and occurs as sparse powdery coatings on joint and fracture surfaces of the argillite. A controlling structure has not been determined.



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

12. MAP:



13. OTHER INVESTIGATIONS:  
PER B-44 covers area two miles east of this area.

14. ADDITIONAL INFORMATION:  
None

15. SUPPLEMENTARY RECONNAISSANCE REPORT TO FOLLOW? Yes

