

FILE NI-3-15

PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY E. W. Norman
DATE(S) EXAMINED January 29, 1953

2. STATE Idaho COUNTY Shoshone

DISTRICT Burke

1. SAMPLES
NUMBER TYPE AND WIDTH RADIOACTIVITY

NEAREST TOWN Burke, Idaho

PROPERTY Star Mine

None

LOCATION:
sec 20-21, T. 18 N, R. 5 E
28

3. TYPE OF EXAMINATION:
Underground radiometric and geologic.
Instruments: Halross Model 939
Scintillation and Model 107 Professional
Geiger Counter.

4. DIRECTIONS TO DEPOSIT:

Mine is reached through the Neola Shaft which is located in the town of Burke.

5. OWNER OR OPERATOR: Sullivan Mining Company
ADDRESS: P. O. Box 330
Wallace, Idaho

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:

The Star Crosscut which gives access to the Star Mine from the Neola shaft was begun in 1921 and completed in 1924. Mining of the Star Ore Body was commenced thereafter. Maximum production is approximately 1000 tons per day of approximately 10% combined zinc-lead ore. The mine is being worked over a vertical distance of almost 6000 feet, although

7. RADIOACTIVITY:

Negative. Average background - 30 counts per second.
Range - 15 - 50 counts per second.

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

- A. The mine is located approximately midway between Burke and Millan in a rough wooded area of the Gosar d'Alene Mountains.
- B. Zinc-lead ore occurs in a narrow steeply dipping fissure filling in Nevett and St. Regis formations. Weather parallel wall veins are common.
- C. Sphalerite and galena are the ore minerals occurring in about a 2 1/2 to 1 ratio respectively. A very small amount of silver occurs with the galena. Pyrite, quartz, calcite and apatite are the common gangue constituents. Sericite is a common constituent of the wall rock.



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

12. DATE: January 29, 1953

13. OTHER INVESTIGATIONS:

None

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

14. ADDITIONAL INFORMATION:

The Star mine has probably been sunk to the 6100 level which is 1250 feet lower than any level known to date.

15. The mine is located approximately midway between Burke and Millan in a rough wooded area of the Gosar d'Alene Mountains.

15. COMMENTS:

