

A SCHEELITE DEPOSIT NEAR LEWISTON, FREMONT COUNTY, WYOMING

Location and Ownership

The deposit is found in the old Burr Mine which is located in Sec. 5, T.28 N., R.98 W., approximately one mile south of the old mining town of Lewiston. The mine is readily accessible to automobile. It may be reached from Atlantic City by following a gravel road, marked "Art Faulkners Ranch", for a distance of approximately twelve miles.

C.E. Carpenter of Atlantic City has the major interest in the claim and mine.

History and Development

The Burr mine was opened up in 1879 and reportedly was very rich in gold. Even today selected samples of ore have reportedly yielded very rich assays.

The mine consists of limited underground workings, some of which are partially caved and flooded. At present the workings at the twenty-five foot level are accessible and free of water. Figure 1 is a rough sketch of the underground workings and local geology.

Geology and Mineralization

The general geology of the Lewiston district is essentially Precambrian schist intruded by diorite (diabase ?) dikes which are parallel to the strike of the schist.

At the Burr mine both gold and scheelite are associated with a steeply dipping hematiferous biotite schist which contains numerous quartz veins and

lenses. The scheelite occurs just below the gold horizon and is found as small stringers, veinlets, lenses, pods, and specs ranging from microscopic to 6 inches in length. It almost invariably occurs with the quartz veins and lenses. Reported assays vary from $2\frac{1}{2}$ to 70 per cent WO_3 .

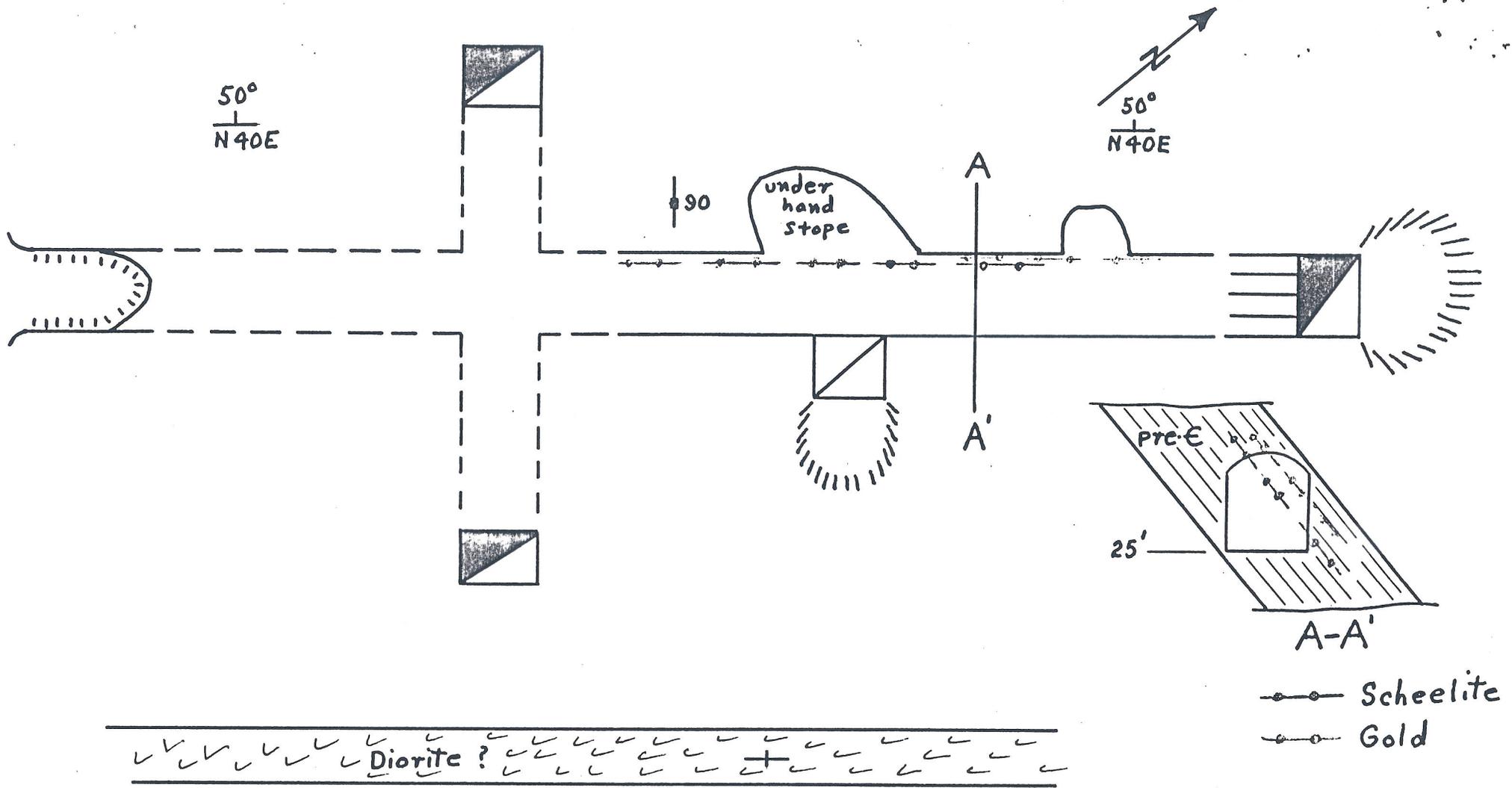
CONCLUSION

Although the district was only briefly examined by the writer, nevertheless it appears to have possibilities. The tungsten is probably a low grade deposit but may average as much as 5 per cent WO_3 in places. In addition, several miles to the west of the Burr mine, is found a greenish-yellow fluorescent nonradioactive mineral which I believe to be an impure variety of scheelite. If this interpretation is correct, then there may be a considerable deposit of low grade tungsten in this locality.

It has also been reported by C.E. Carpenter that Ralph Cannon, a geologist from the U.S. Geological Survey, Washington, D.C. has also commented favorably upon the area for a low grade tungsten deposit.

Signed

William H. Wilson
Assistant State Geologist
Geological Survey of Wyoming
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Sketch of Geology & Mineralization, 25' Level, Burr Mine, Lewiston
No Scale