DAVIS TUNGSTEN DEPOSIT, Rock Creek District, Baker County

OPERATOR AND OWNER: Jack Brown, Route 1, North Powder, Oregon

AREA: Private land held in 320 acre tract, S½ Sec. 31, T 6S, R 3SE.


TOPOGRAPHY, CLIMATE, ETC.

The property is on the eastern slope of the Elkhorn Mountains, approximately one half mile west of Baker Valley. Elevation taken by aneroid shows approximately 4500 feet at the outcrop. The relief is moderately steep, nevertheless, an old logging road could be extended ¼ mile to the outcrop with a minimum of effort and maintain a 10 percent grade. At this elevation in the Elkhorns, snow usually lies on the ground from December through February. The spring months have a moderate amount of rain, and the summer months are dry. I estimate a total annual precipitation of about 20 inches. Enough water could be found near the deposit to facilitate a small mining operation. A larger supply for milling would have to come from the North Powder River, approximately one mile south of the deposit.

DEVELOPMENT WORK:

The total amount of development work is five shallow open cuts to a maximum depth of four feet. The cuts are strung out for a total length of 75 feet. See accompanying sketch.
Page 2. Davis Tungsten Deposit, Rock Creek District, Baker County.

GEOLOGY: The country rock at the outcrop is a coarsely crystallized white limestone. The limestone makes contact on the east with a highly siliceous altered rock. Megascopic inspection shows this rock to be an altered greenstone with interposed quartz filling.

The greenstone at the point of contact forms a hard rib that stands out in relief. See accompanying sketch. Brown states that granodiorite outcrops a short distance to the west and north of the outcrop. As most of the time spent at the deposit was after dark, no attempt was made to check his statement. In the upper cut (see attached sketch) an 18° gouge and quartz seam was noted in the limestone. This seam has a strike of N\42°E and dip of 61° NW.

Very little scheelite was noted at the deposit with the use of the fluorescent lamp. Locations showing scheelite are marked on the accompanying sketch. The scheelite occurs for the most part along minute fractures in the limestone within 35 feet of the altered greenstone contact. At one place, a very small amount of scheelite was noted on a fracture in the greenstone within a couple of feet of the limestone contact. No scheelite was noted in the gouge and quartz seam.

Two samples were taken from the deposit. #1 Hand picked specimen showing scheelite gave the following
Page 3. Davis Tungsten Deposit, Rock Creek District, Baker County.

result: \( WO_3 \) - Trace. 

\#2 Cut sample from the

second highest pit gave: \( WO_3 \) - Blank.

LC Richards 7/22/42

(see also C.)
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<th>NAME</th>
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<th>AREA</th>
<th>ELEVATION</th>
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<th>DISTANCE TO SHIPPING POINT</th>
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<th>NAME OF CLAIMS</th>
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DEPARTMENTAL RECORDS on file in
P'land G.P. Baker

REPORTS
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SHIPMENT AND ASSAY RECORDS

MAPS
Mr. Sam Wright, 6019 S.W. Corbett Avenue, Portland, was in the office trying to interest someone in his tungsten property known as the Davis tungsten located about 6 miles northeast of Anthony Lakes in Baker County. I sent Wright to see Coe McKenna.
DAVIS TUNGSTEN DEPOSIT, Rock Creek District, Baker County.

RECOMMENDATIONS AND CONCLUSIONS: The best that can be said for the deposit at the present time is that there definitely is a trace of scheelite present. As Mr. Brown believes that he sees possibilities in the property, I recommended to him that he sink on the best showing to a depth of about ten feet. There is a possibility that these minute surface fractures might become stronger with a little depth and give some indication of stronger seams carrying scheelite which might lead to ore. Mr. Brown has his own lamp. He has been advised to use it while sinking, and follow the best showings.

L C Richards 7/22/42