

Pershing Co. general

Item 36

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Access Road

TRUE AMERICAN TUNGSTEN PROPERTY

Tobin Range, Pershing County, Nevada

M. R. Meppner - July 24, 1945

On July 22 I visited the True American tungsten property in the Tobin Range, eastern Pershing County, Nevada. John B. Blossom and son, Battle Mountain, Nevada, located and own the property, a group of five mining claims.

From Battle Mountain the property is reached by driving 27.5 miles southwest on the Buffalo Valley gravel road and 14.5 miles north and west on partly improved dirt roads (see map included). The last 5½ miles of road is poor, but passable.

Mr. Blossom located the claims in 1940. During the last year he and his son have been mining tungsten ore on a small scale. A total of 22 tons of ore averaging between 2 and 3% WO₃ have been shipped to the Metals Reserve stockpile at Battle Mountain and to Salt Lake City. Twenty tons of sorted ore, estimated to average 2.5% WO₃, is now ready to be trucked to Battle Mountain.

The scheelite occurs in small silicified lenses in thin limestone members of a metamorphosed shale and volcanic sequence. Small diorite dikes cut the metamorphic sequence. The ore lenses are ramified by stringers of quartz, partly vuggy, and calc, te. Most of the scheelite is intimately associated with the quartz. The lenses are sill-like and dip about 25 degrees east. Three of these gently dipping lenses have been explored. Two are exhausted, having yielded 1 and 6 tons of sorted ore respectively. The third and largest lens has yielded 35 tons of ore and may contain 100 tons more. This ore has been mined from a surface bench and a 15' adit. Maximum width of ore exposed is 24"; average width about 6".



The ore is only 1" wide in the bottom of the drift, and is narrower in the face than at the portal. Ore between the drift and the surface has not yet been mined.

A fourth, and more steeply dipping, lens has not yet been explored. It crops out for a length of 50' and averages 18" wide. A little scheelite occurs in this vein at the surface. The owners plan to explore this vein after the lens now being mined is exhausted. It is not likely to yield more than a few tons of sorted ore. A few pieces of ore float have been found elsewhere on the property, but the source of this float has not been found.

Thin seams of quartz-garnet rock that contain as much as 0.25% W_2O_3 occur on the property. There is little likelihood that commercial ore of this type will be found.

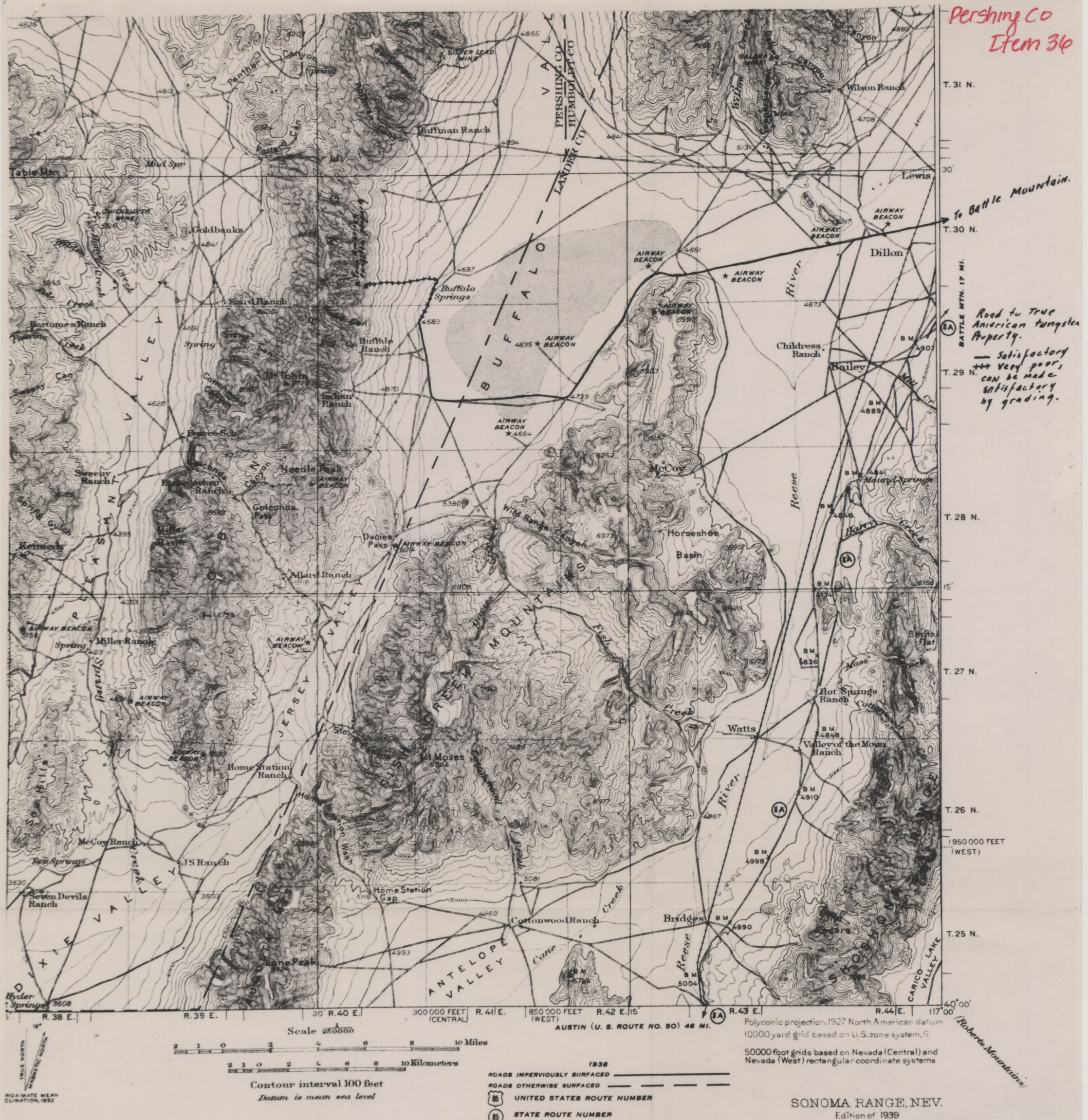
The small ore lenses are situated on a steep slope, 800' vertically above the end of the road. The ore is chlorided, broken to about 4" size, and sorted at the workings. It is then rolled halfway down the hill in a cylindrical chute made of galvanized sheeting. From the bottom of this chute it is sledged by a team to the end of the road. Here it is resorted and sacked for shipment. In this way 300 to 400 pounds of 2.5% W_2O_3 ore are accumulated daily. The reserve of ore does not warrant expansion of the operation.

In view of the anticipated small future production, possibly a total of 250 units of W_2O_3 , the seven mile access road costing \$ 4800 is not warranted. The existing road could be greatly improved by one or two trips of a grader across the 5½ mile stretch shown on the accompanying map. If either a county or Grazing Service grader could be made available for two or three days, this project could be accomplished for \$ 100 or \$ 200.

Nolan (2)
Lemmon
File

M. R. Klepper
M. R. Klepper
Assistant Geologist
Winnemucca, Nevada
July 24, 1943

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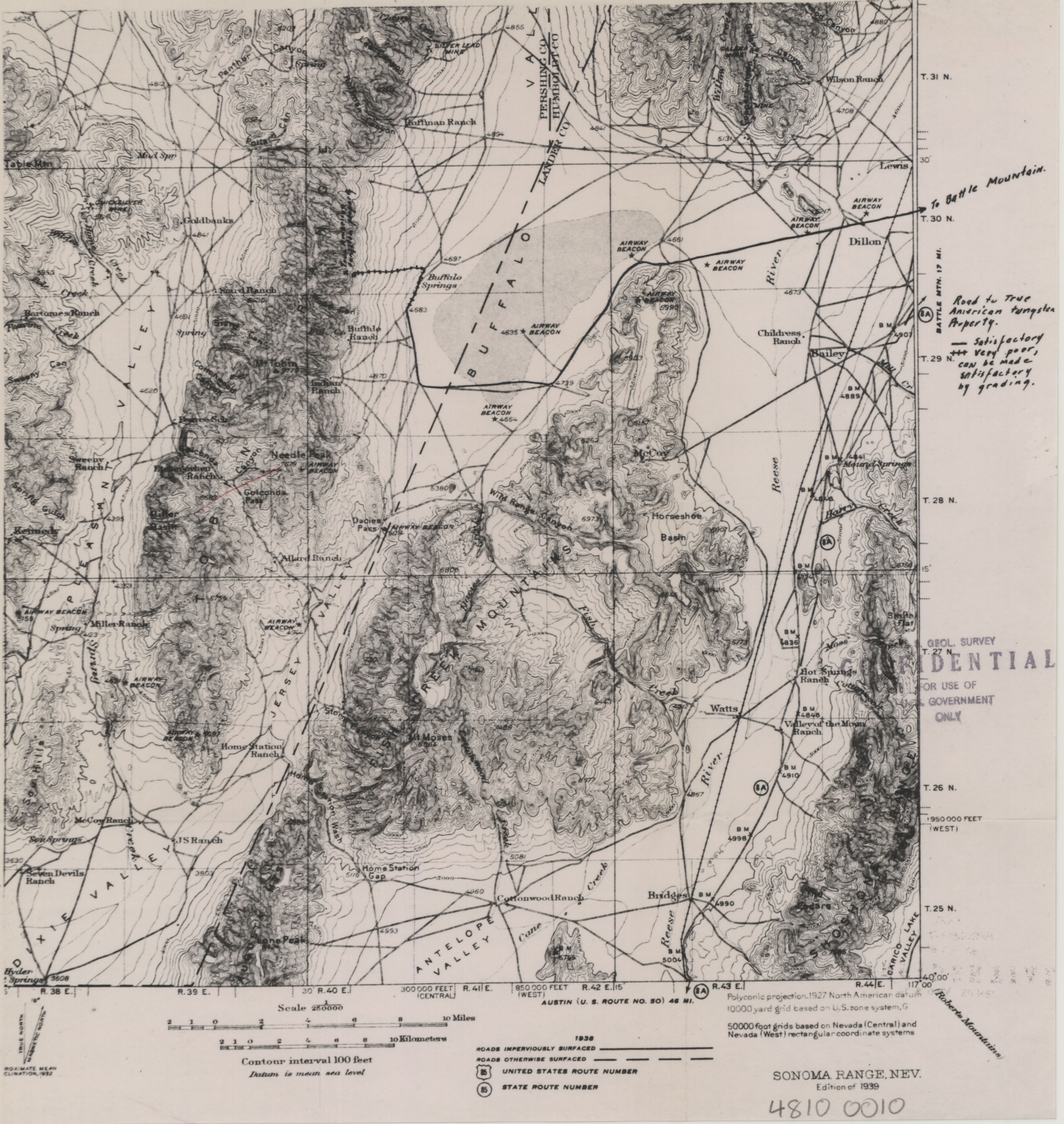
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Nolan (2)
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Assistant Geologist
Winnemucca, Nevada
July 24, 1943



T. 31 N.

30'

T. 30 N.

BATTLE MTN. 17 MI.

T. 29 N.

T. 28 N.

15'

T. 27 N.

T. 26 N.

T. 25 N.

1950 000 FEET (WEST)

40' 00"

117 00'

R. 38 E.

R. 39 E.

R. 40 E.

300 000 FEET (CENTRAL)

R. 41 E.

850 000 FEET (WEST)

R. 42 E.

R. 43 E.

R. 44 E.

117 00'

40' 00"

117 00'

40' 00"

117 00'

40' 00"

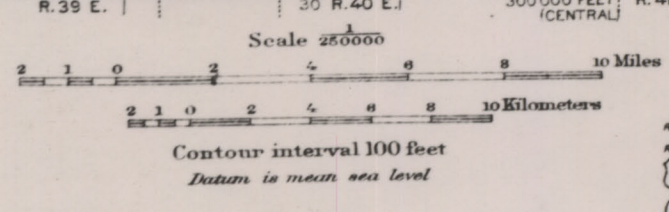
117 00'

40' 00"

To Battle Mountain.
Road to True American tungsten Property.
Satisfactory
++ Very poor,
can be made
satisfactory
by grading.

GEOL. SURVEY
CONFIDENTIAL
FOR USE OF
GOVERNMENT
ONLY

Roberts Mountains



1938
ROADS IMPERVIOUSLY SURFACED
ROADS OTHERWISE SURFACED
UNITED STATES ROUTE NUMBER
STATE ROUTE NUMBER

Polyconic projection, 1927 North American datum
10000 yard grid based on U.S. zone system, G
50000 foot grids based on Nevada (Central) and
Nevada (West) rectangular coordinate systems

SONOMA RANGE, NEV.
Edition of 1939

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