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Item 14

RUTH

Lander County, Nevada

Section 11, T. 21 N., R. 46 E.

Charles P. Seel

CHARLES P. SEEL

INTRODUCTION

The Ruth tungsten prospect was submitted to General Electric Company by the owner:

Mr. Elmer Schroeder
Box 6
Crescent Valley, Nevada 89447
Tel: Crescent Valley #34

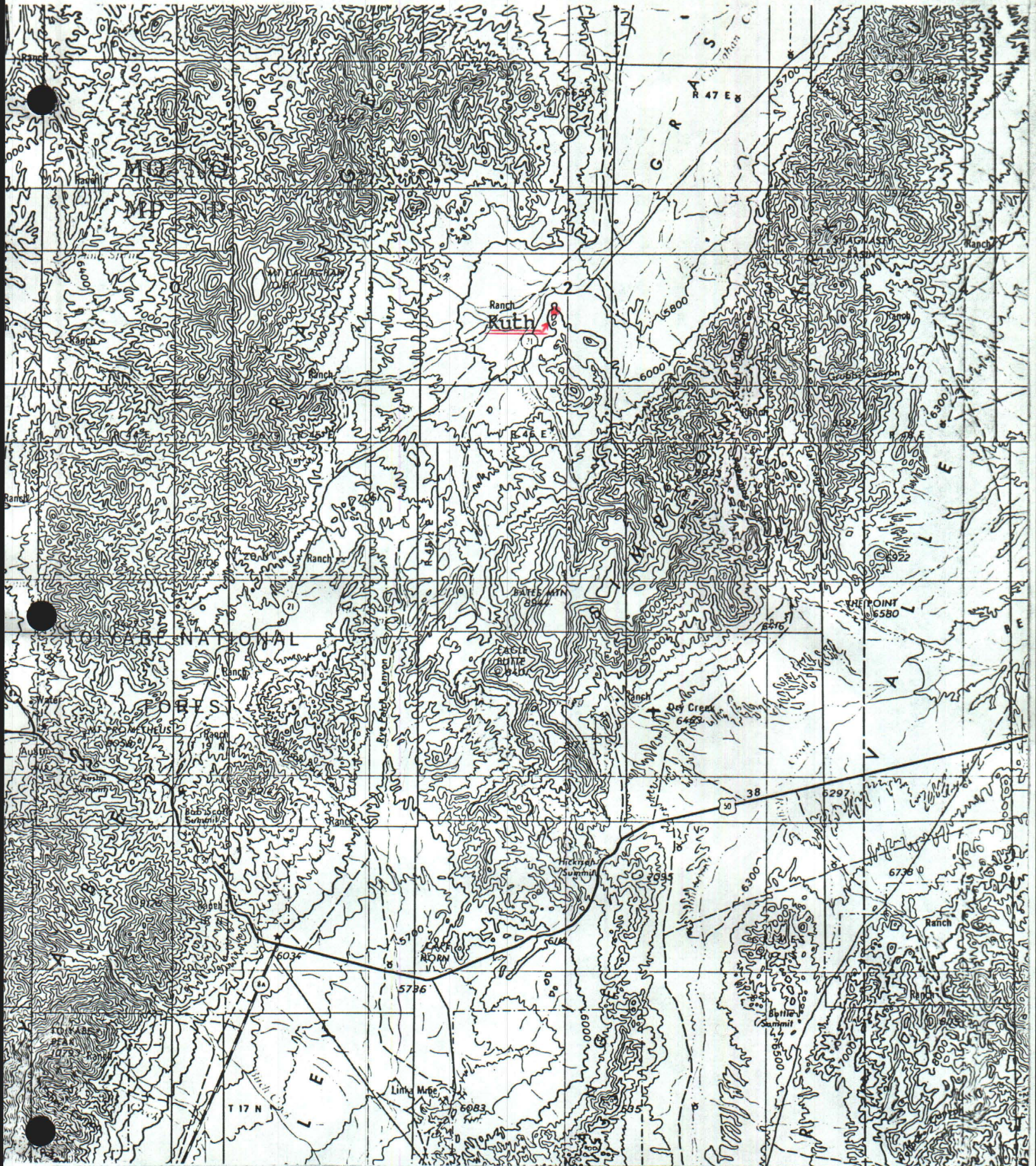
May 20, 1977 was spent on the property and surrounding area accompanied by Mr. Schroeder.

LOCATION AND ACCESS (FIGURE I)

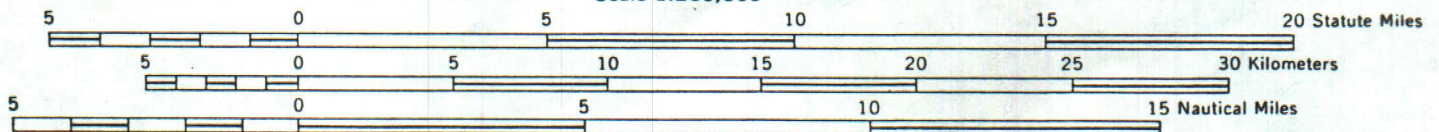
The Ruth, Fannie and Rodcyt claim group consists of about 15 contiguous (Elmer is not sure) unpatented lode claims. The claim group is readily accessible since it lies alongside State highway 21 about 60 miles south of Crescent Valley or about 25 miles north of Austin, Lander County, Nevada.

PROPERTY AND OWNERSHIP

Mr. Schroeder says that the original Ruth Claims were located in Section 11, Township 21 North, Range 46 East (Mount Callaghan 15 minute quadrangle) many years ago but were allowed to lapse until recently. No attempt was made to verify the status of the claim group at the Austin County Courthouse. Mr. Schroeder knows of no other neighboring claims



Scale 1:250,000



and states that he is the sole owner of the Ruth claim group located in his wife's name.

HISTORY AND PRODUCTION

The prospect presented by Mr. Schroeder shows a couple of small slumped surface pits, a 50' long trench and perhaps 900 square feet of stripping by dozing, all done years ago. No working extends beyond 5 feet in depth. It is doubtful therefore that there has been any production from the property.

GEOLOGY AND MINERALIZATION

The Ruth prospect consists of a 400' x 200' oval shaped roof pendant of contoured thin-bedded silty cambrian limestone of the Pagonip group whose long dimension is roughly east-west. The metasediments are intruded and surrounded by Jurassic quartz-biotite granite (Figure 3). Tactite, comprised of dark crystalline garnet, quartz, pyroxene and epidote, occurs irregularly but not continuously along the intrusive-limestone contact. One such exposure is about 30 feet in diameter and 3 to 4 feet thick. Tactite also appears to have been developed along certain favorable beds. Character samples collected from tactite outcrops lamped poorly.

Immediately south of the Ruth prospect is a range of hills shown on the Geology Map of the Mount Callaghan Quadrangle (1968) to be underlain by Ordovician Goodwin limestone of the Pagonip Group (Figure 2). This formation with a north-south trend and gentle eastward dips has been

recrystallized and locally altered to calc-silicate rock comprised of irregular masses of wollastonite and quartz. More importantly is the fact that disseminated scheelite in trace amounts was noted over a wide area and at some distance from the granitic intrusive.

ORE RESERVES AND POTENTIAL

Total tonnage of tactite based on surface exposures at the Ruth prospect is estimated at perhaps 200 tons which, from random grab samples, would likely average less than 0.4% WO₃. Moreover, the potential for finding additional tactite and mineable ore is remote.

While the Ruth prospect itself would not be of interest to General Electric Company, the range of hills just south of the property shows mild but widespread development of calc-silicate plus ppm tungsten mineralization. Provided proper geologic targets can be developed, this area may be of some potential.

CONCLUSIONS AND RECOMMENDATIONS

Neither Johnson and Benson (1963) nor Perry (1972) make mention of any tungsten occurrence in the area of interest. Neither does the Tungsten Mines of Nevada Map 18 compiled by Shilling (1963) show any tungsten prospects in the area. Based on a cursory examination, the Ruth surface workings present a tungsten situation which is much too small to be of interest to General Electric Company and Mr. Schroeder has been so advised.

However, the range of hills south of the Ruth prospect show widespread (though weak) tungsten mineralization within a host of crystalline

marble and calc-silicate rocks. It is recommended that these hills and surrounding area be examined a bit more closely to determine whether a significant tungsten target may possibly exist. Here it must be mentioned that the Linka-Conquest tungsten prospect approximately 45 miles to the south has good geologic potential and should also be investigated, if available.

REFERENCES

- Mount Callaghan, U.S.G.S. 15' Quadrangle Topographic Map, 1968
- Geologic Map of Norht-Central Nevada, Nevada Bureau of Mines Map 50, 1976
- Johnson, A.D., and Benso, W.T., 1963, Tungsten Resources of Nevada:
USBM Report
- Stewart, J.K., and McKee, E.H., 1968 Geologic Map of Mount Callaghan
Quadrangle, Lander County, Nevada, U.S.G.S. Quad. Map
GQ-730, 1:62,500.
- Perry, J.K., 1972, Literature Review of United States Tungsten Deposits;
Report prepared for General Electric Co. by Hazen
Research, Inc.

Fig. 3

