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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ROSE TUNGSTEN

ALTERNATE NAMES:
SHOESTRING PROPERTY
SMITH PROPERTY
WILD BULL

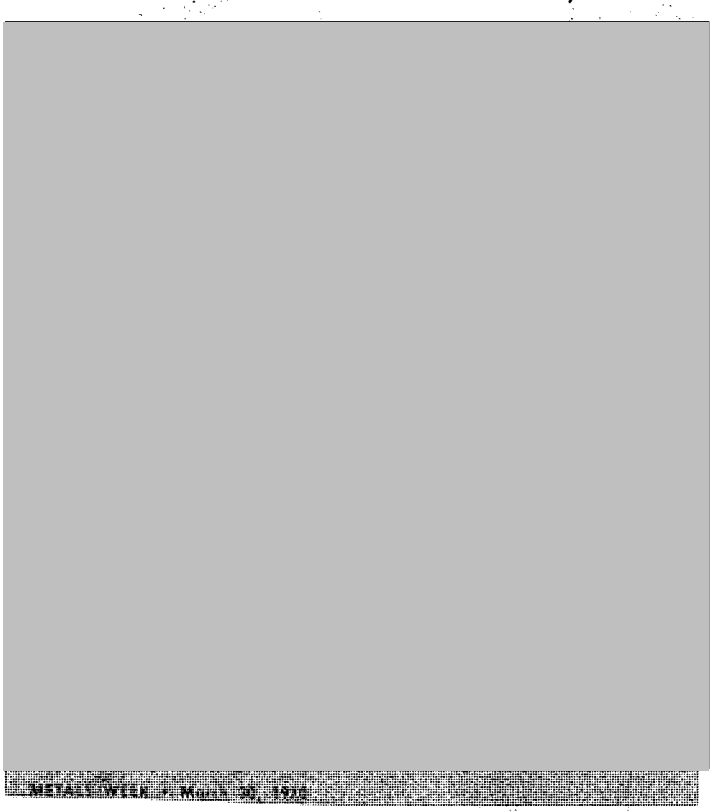
GILA COUNTY MILS NUMBER: 401B

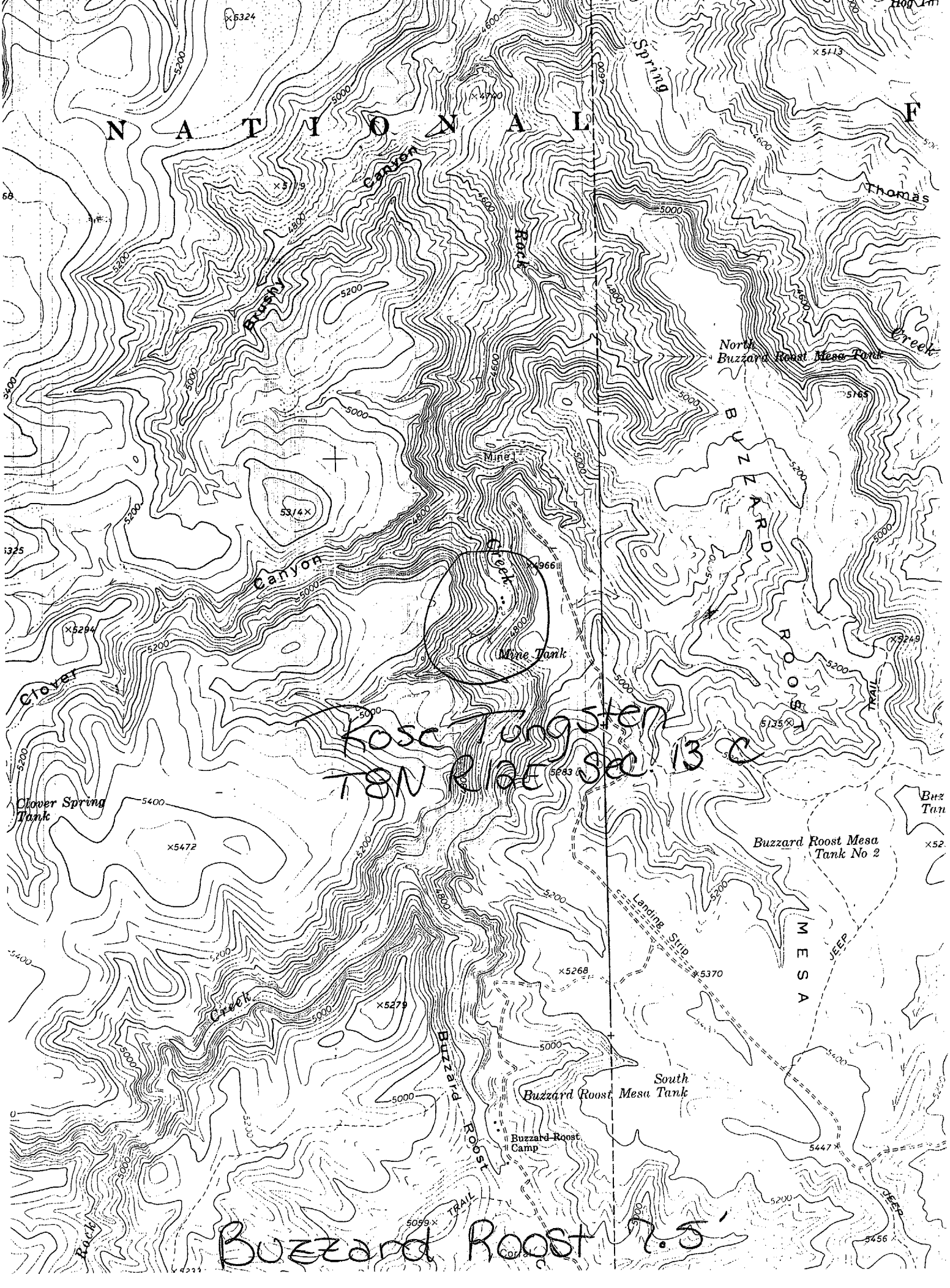
LOCATION: TOWNSHIP 8 N RANGE 12 E SECTION 13 QUARTER C
LATITUDE: N 34DEG 02MIN 01SEC LONGITUDE: W 111DEG 04MIN 32SEC
TOPO MAP NAME: BUZZARD ROOST MESA - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
TUNGSTEN

BIBLIOGRAPHY:
ADMMR ROSE TUNGSTEN FILE
BALE, V B "TUNGTEN DPSTS GILA, YAVAPAI, &
MOHAVE CTYS" USBM IC 8078, P 18-19; 1961
WILSON, E D "TUNGSTEN DPSTS AZ" AZBM BULL 148
P 27; 1941
ADMMR "U" FILE, W 9




N A T I O N A L
Spring
Canyon
Rock
Thomas
Creek
North Buzzard Roost Mesa Tank
BUZZARD ROOST
Mine
Canyon
Creek
Mine Tank
Clover
Clover Spring Tank
Rose Tungsten
T8N R16E Sec. 13 C
Buzzard Roost Mesa Tank No 2
Landing Strip
MESA
JEEP
TRAIL
Creek
Buzzard Roost
South Buzzard Roost Mesa Tank
Buzzard Roost Camp
Buzzard Roost 7.5'
5314
5294
5472
5279
5268
5370
5447
5456
5059
5135
5249
5113
5165
4966

ROSE TUNGSTEN (P) GILA

ROSE QUARTZ TUNGSTEN
Gila County, Arizona

by
Richard E. Mieritz
Mining Consultant
Phoenix, Arizona

On March 13 and 14, 1966, the writer, accompanied by Messrs. John Murphy and Jim Haught, visited the Rose Quartz Tungsten property to examine the tungsten occurance and sample same with a view to determine the possible potential of tungsten ore reserves in the immediate area of development.

CONCLUSIONS:

Information obtained through the examination of the property and the limited sampling program suggests the following to the writer:

(1)- Tungsten mineralization is limited to the quartz veins and dispersed minutely but very weakly in the diabase-quartz diorite material separating the veins.

(2)- The quartz veins are strong and have favorable geologic setting which prompts the writers calculations of 50,000 tons INFERRED ore containg approximately 1.36% WO_3 or 68,000 units of tungsten.

(3)- Exploration as underground drifting and raising or surface diamond drilling must be completed before ~~a mining and milling program are commenced.~~ changed.

(4)- The property should be optioned if expenditures in the exploration direction can be considered.

PROPERTY AND LOCATION:

The Rose Quartz property, first located in 1937, consists of five unpatented mining claims known as the Rose Quartz No. 1 through No. 5. The claims are located in the Tonto National Forest in unsurveyed territory but would be located in what might be Sections 13 and 24 of T. 8 N. and R. 12 E. of the Gila and Salt River Base and Meridian, Gila County, Ariz.

This property is approximately 12 airline miles southwest of Young, Arizona but is best reached by traveling north from Globe on State Highway 88 to junction with County Highway 288 and north toward Young on Highway 288 to a point about 10 miles south of Young where a westerly road leads to the Jim Haught Homestead, about six miles by road.

The Rose Quartz claims are in Rock Creek Canyon about two airline miles west or three road miles west of the

Haught Homestead. The road is narrow, steep and very muddy when wet.

The topography in the canyon is steep and rugged and has great relief.

Rock Creek has a good flow of water all year due to its being spring feed near its head.

GEOLOGY and MINERALIZATION:

Rocks observed in the area include quartzite, diabase-quartz diorite, conglomerate and schist as well as some exposures of basalt. No attempt was made to map the rock formations in the immediate area at this time.

Mineralization in the immediate area includes gold, copper, tungsten and molybdenum. The main interest of concern is the tungsten and molybdenum mineralization.

Strong, steep dipping, milky to clear quartz veins, 4 inches to 10 inches wide, generally striking N. 40 to 45° W. are located in the diabase-quartz diorite rock which is in contact with steep dipping schist near the portal of the lower adit. Tungsten mineralization as scheelite, wolframite and possibly minor powellite were observed in the quartz veins, usually on the foot and hanging walls but also dispersed in the quartz. Scheelite, at least, is also dispersed in the quartz diorite-diabase rock along hairline or knife-blade fractures. This observation was made by mineral light. The quartz veins and diabase-quartz diorite rock carry small amounts of associated minerals as molybdenite, pyrite and pyrite showing cuperiferous tarnish.

DEVELOPMENT:

Adit portals expose three separate but quite parallel quartz veins, the two most westerly ones being 20 to 25 feet apart and the third being approximately 50 feet easterly of the middle vein.

The most easterly vein is developed by a short 25 to 30 foot drift, not now accessible, but reported as such in the U. S. Bureau of Mines R. L. 8078 by V. B. Dale.

The most westerly two veins are more developed than the most easterly vein and are referred to on the attached "Map of Adits" as veins "A" and "B".

Vein "A" is developed by an upper and lower drift with approximately 40 feet difference in elevation. (see "Map of Adits") The lower adit is 155 feet in length, the upper adit is approximately 100 feet in length. These workings explore the vein for a total horizontal

length of 170 feet because the face of the upper adit is 15 feet further northwest than the face of the lower adit.

Vein "B" is developed by an upper adit about 55 feet long and a 25 foot drift at the end of a northeast crosscut from the lower adit.

There is one small stope upwards from the lower adit immediately above the crosscut from Vein "A" to vein "B" on this level. This stope is about 20 feet high measured from the lower adit drift back. It did not intersect the upper adit level; on vein "A".

A previous lessee has "stoped the upper adit drift on vein "A" from just inside the caved portal to the crosscut. The broken muck is still in the drift and shows considerable scheelite with the "lamp". This stoped length is approximately 35 feet.

SAMPLING:

No complete sampling program was conducted, instead, character samples were taken to determine where the tungsten values occur in order to calculate a reasonable and justifyable tonnage and grade of potential ore.

Four samples were taken; one each of the two quartz veins "A" and "B", one across the uper drift back on vein "A" but not including the exposed quartz vein and one across the face and along the wall of the crosscut on the lower adit but not including the quartz vein "B" exposed in the short drift.

A description and assay results of these four samples are tabulated below. (see Map of Adits for specific locations).

Sample	Discription	% WO_3	% Mo.
1	Quartz vein "A", 6" wide, back upper adit. 5' NW of drift-cross cut intersection.	3.25	.009
2	Diabase-diorite, 4 ft. length, across back, same place No. 1	0.08	.003
3	Quartz vein "B", 8" wide, back, drift lower adit	2.22	Tr.
4	Diabase-diorite, 12 ft. length, face of drift and NW wall xcut.	0.06	.002

A 25 pound plus sample (bulk) was also obtained and sent to Mr. H. P. Erhlinger, Texas Western College, El Paso, Texas. This sample was taken across 20 feet of the crosscut between the two veins on the lower adit level. Mr. Erhlinger will complete metallurgical tests to de-

termine concentrating feasibility.

The sampling clearly indicates that the tungsten values are very strongly associated with the quartz veins and even though there has been some impregnation of tungsten mineralization away from the quartz veins or between the quartz veins, it is very weak in strangth.

With these conditions, mining must be done to minimize dilution.

It should also be noted that the molybdenum mineralization seams to occur mainly in vein "A", however, because of its low content and no doubt sporadic occurance, it is quite likely that molybdenum was "missed" in taking sample No. 3 of quartz vein "B".

ORE RESERVES:

Developed ore reserves are nil for all practical purposes, thus, any ore reserve is strictly "inferred". omitted

The adits have explored vein "A" for approximately 175 feet along the strike and vein "B" for about 90 feet. Although the veins are only 4 to 10 inches in width, they are strong and part of a strong shear zone associated with the intruded diabase-quartz diorite rock.

Similar quartz veins are present some 1200 feet further northwest on the south hillside of a creek which parallels the direction of Rock Creek at the mine. Hilltops are quartzite covered and the bottom, relatively horizontal quartzite, diabase contact is some 250 feet vertically above the adits.

Reserves are dependent on a mining plan, and to retain as high as possible, a grade which would make an operation profitable. It is here suggested that "stope" mining be kept to a maximum of 4 feet wide, keeping the quartz vein in the center.

With the above assumptions, inferred ore reserves from lower level to diabase-quartzite contact above can be calculated as follows:

Triangular Block: 400 ft. long, 250 ft. high, 4 ft. wide.

$\frac{1}{2} \times \frac{4 \times 400 \times 250}{14 \text{ c.f./ton}}$ equals 14,300 tons.

double for two veins 28,600 tons.

Rectangular Block further northwest along strike: 150 ft. long, 250 feet high and 4 ft. wide.

$\frac{150 \times 250 \times 4}{14 \text{ c.f./ton}}$ equals 10,700 tons.

double for two veins 21,400 tons.

Total, two blocks 50,000 tons (two veins)

Values:	Vein "A"	3.25%	WO_3
	" "B"	2.22%	"
		5.47	
	average	2.73	"
	Dilution	1.36	" (50%, 4 ft. width.)

Probable avg. grade 1.36% WO_3

Inferred WO_3 units equals 50,000 x 1.36 or 68,000 units.
Inferred "inplace" value-$40.00/unit or $2,720,000.00.

DEVELOPMENT BY EXPLORATION:

Exploration of the veins could best be done by drifting and raising on a sub-level above a planned haulage drift to serve both veins. This is time consuming and requires much equipment. Reworde

On the other hand, diamond drilling from the surface would be somewhat faster and perhaps less expensive except for the fact of costly road and drill site construction on the very steep slopes of the canyon. Four diamond drill holes strategically located, totaling about 1000 feet of hole, could satisfactorly "prospect" the triangular block of "inferred" ore to justify or denounce forward movement toward an operation. Such a plan would prospect all three quartz veins and could increase the inferred reserve in this block because vein "C" or the most easterly vein was not considered in the reserve.

MINING:

After satisfactory indications that about 30,000 tons of tungsten ore exist in the "triangular block", an operation would be justified.

Since it is indicated that the strong mineralization is confined to the quartz veins and not adequately dispersed in the material between the veins, it is conceivable that a "haulage" drift could be driven between the quartz veins "A" and "B". Finger raises could be driven toward each vein and a 4 foot wide stope carried forward on each vein. Shrink stoping would be a satisfactory and relatively cheap mining program.

MILLING:

Mr. H. P. Erhlinger will conduct test work on the concentration feasibility of this ore.

There is little room for tailing disposal in the narrow, steep Rock Creek canyon. Water pollution from the use of flotation may also be a problem.

As a thought, based on some observations during the exam-

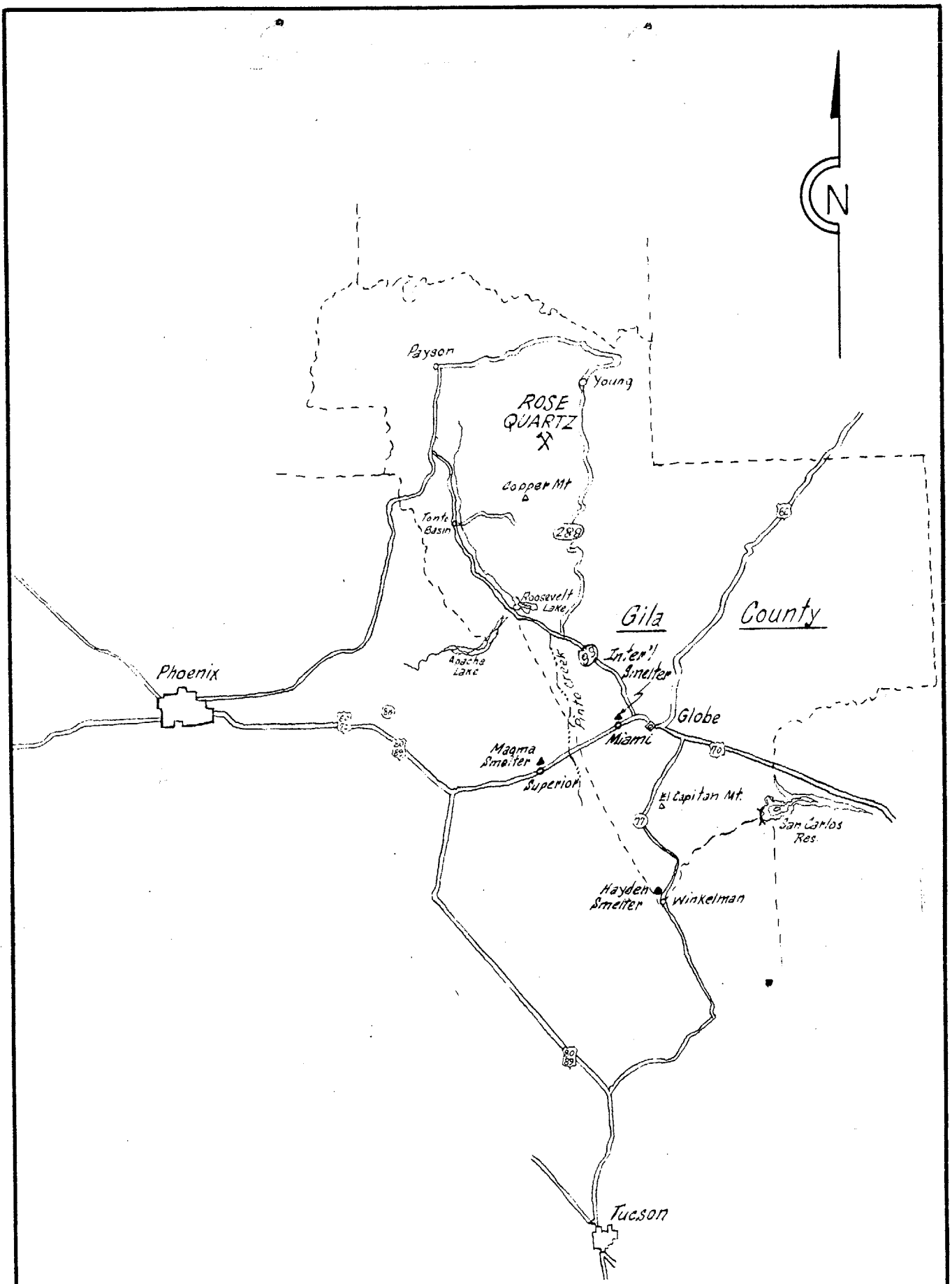
ination, it may be possible to eliminate some "waste" before entering the mill.

The quartz veins, being 4 to 10 inches wide, are quite friable and break up quite finely as contrasted to the diabase-quartz diorite. It is quite likely that a 4" screen would eliminate 75% of the "waste", thus, reduce the size of the mill but would produce the same amount of tungsten units at a less cost of operation.

A test of this nature should be made before a mill is designed for the operation.

Respectfully submitted,

R. E. Mieritz, P. E.
Mining Consultant.



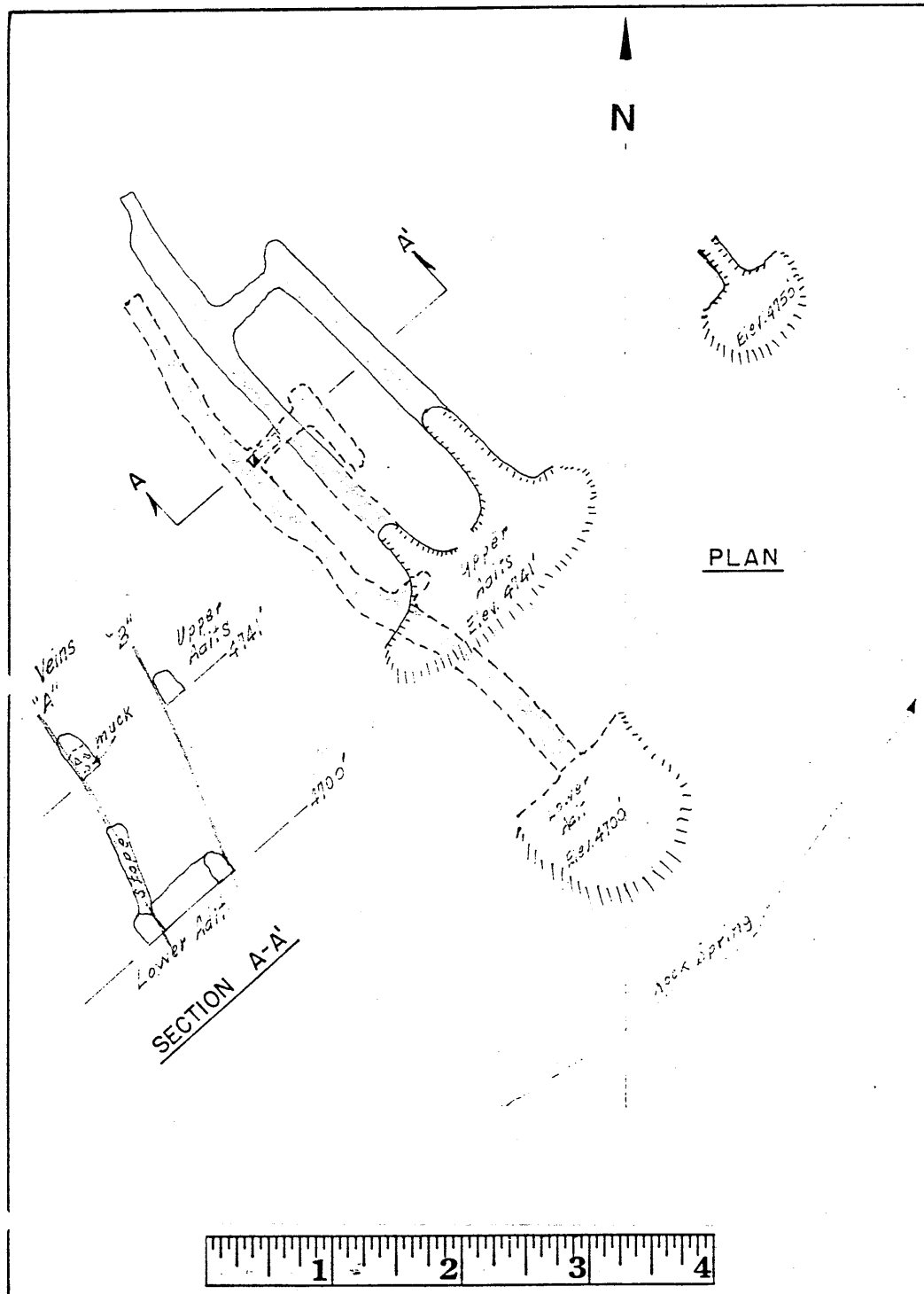
INDEX MAP

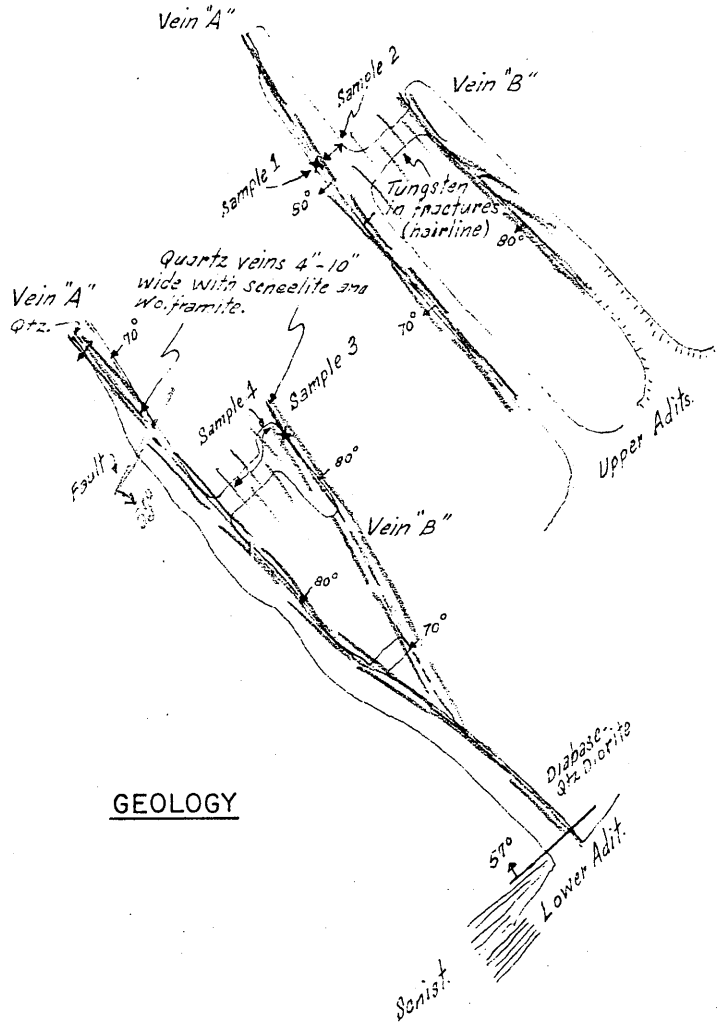
PORTION of ARIZONA

SCALE

1 INCH = ± 21 Mi.

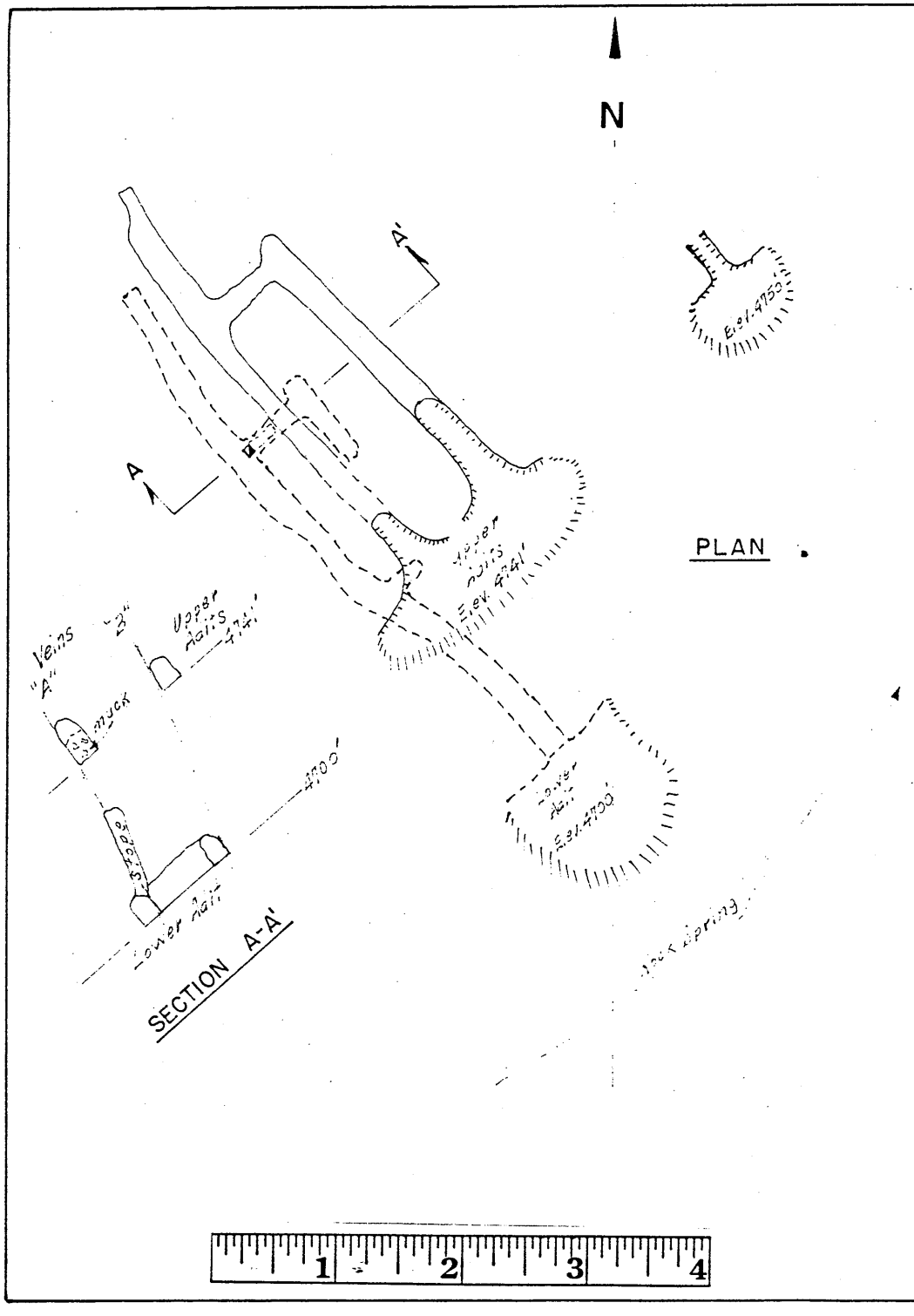
R.E. MIERITZ

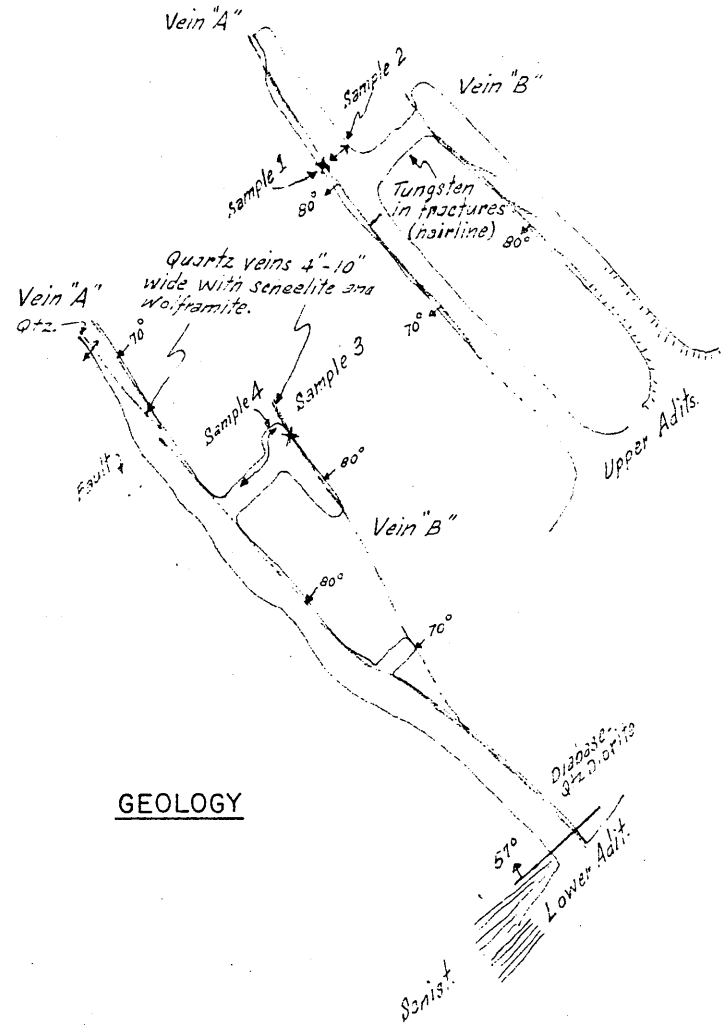




MAP of ADITS
ROSE QUARTZ CLAIMS
Gila County, Arizona
Scale: 1" = 30'

MARCH, 1966 R.E. MIERITZ





MAP of ADITS

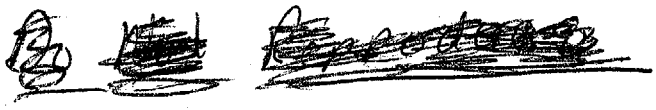
ROSE QUARTZ CLAIMS

Gila County, Arizona

Scale: 1" = 30'

MARCH, 1966

R.E. MIERITZ

ROSE TUNGSTEN  GILA COUNTY

Conference with Richard Mieritz, consultant

Richard Mieritz said that he had examined this deposit recently for a client who wants 100,000 units of tungsten, for which he was offered over $40 per unit. The mine is adequately described by the U.S. Bureau of Mines in IC 8078 (1961), p. 18-19. The specimens submitted by Mieritz showed a fine grained, black rock cut by white quartz that contains a few blebs up to ½ inch in diameter, of wolframite. The black rock, classed by Eldred Wilson as diorite, is intimately shattered by jointing that in two directions (NW-SE and NE-SW) at about 60 degrees in angle. These joints contain knife-blade veinlets of quartz and calcite. These are filled by very fine-grained film-like deposits of scheelite, under the ultra-violet lamp. They are said to also have some wolframite. According to Mieritz he took a channel sample across the area that separates the first two veins (17-20 feet wide) and another 25-30 feet wide across the interval between the second and third veins. These are now being processed. The third vein is mostly covered by detritus but was encountered in a crosscut from the upper adit tunnel. (A previous engineers samples showed up to 3 percent tungsten across the vein 1 to vein 2 interval in the lower adit tunnel crosscut. Mieritz roughly measured 250 feet elevation difference from the mine up to where the diorite plunges under quartzsite. Mieritz said also, that he had not made a definite potential reserve calculation, but if the mineralization continues along the vein strikes for a few hundred feet, a fair tonnage of ore might be had. (Most tungsten deposits generally tend to be lenticular and sporadic in occurrence). Previous sampling ore said to indicate values in the vein zone for several hundred feet south of the main worked area. ½ mile southwest of the Rose Tungsten main workings a schistose outcrop shows tungsten and copper values (cuperferous pyrite and some molybdenite). Here the quartz veins generally follow the schistosity. Gold values were formed in one of these. Memo LAS 3-17-66

Richard Mieritz brought in some tungsten specimens from the Rose Tungsten Mine southwest of Young (S13, T8N, R12E) and which is owned by Samuel A. Haught and Alfred Haught - owns part of the Jim-Sam Haught Ranch and iron bearing claims. Mieritz examined it for a client who wants a hundred thousand units of WO_3. LAS WR 3-18-66

Went to Young and found Jim Sam Haught, owner of the Rose Tungsten mine about 15 miles southwest of Young. He said a Mr. LaBlue of El Paso had leased the property but it was temporarily closed due to poor road conditions and the acquisition of additional milling equipment. There are 4"-6" of snow in the area and the temperature was down to -20° last week. GW WR 1-15-71

Mr. Sirgo was in charge of the mill expansion at the Rose Tungsten property southwest of Young. He said that on its completion he ran about 250 tons of the low grade material through, but the results were not profitable. He understands that Mr. LaBlue has "farmed" it out to Golden Cycle Co. who are presently examining the deposit. He says the ore runs approximately 0.25% WO_3. GW WR 5-10-71

Little or no activity has been noted in Gila County except the enlargement of the Rose Tungsten mill by the Buckhorn Development Co. of El Paso, Texas. GW QR 4-8-71

Had to get permit from Young Forest Ranger to go to Rose Tungsten as all off highway roads are closed in the Tonto National Forest due to extreme fire hazard. At Rose Tungsten, due to 12 on and 4 off, only the cook and her 2 children were in camp. She confirmed the rumor that the Golden Cycle Co. had control of the property as was presently expanding and rearranging the mill. Louis Yturbbi, of Winnemucca, Nevada is directing 5 men doing the work. GW WR 7-6-71

ROSE TUNGSTEN MINE Do Not Reproduce GILA CO.

KP/WR 7/13/78 a.p. - Mr. C.A. Haught hopes to reopen the Rose Tungsten Mine, Spring Creek District, Gila Co. He needs assistance in setting up his mill flow sheet. Some information was copied from the Denver Equipment flow sheets book and sent to him, and he was referred to Dave Rabb, 12/19/78 a.p.

KP WR 1/26/79 - Mr. Haught reported he has produced 1,000 pounds of scheelite (tungsten) concentrate containing 43% WO_3 from his Rose Tungsten Mine. He further reported that the Bureau of Geology and Mineral Technology ran some milling tests from which they concluded a 25% WO_3 concentrate was the economical. Mr. Haught plans to run enough additional ore so as to have 2000 pounds of concentrate from which to send samples to Union Carbide, Bishop, Ca. and Kennemetal, Fallon, Nevada in preparation to ship the concentrate. It is quite possible that the higher grade concentrate produced by Haught (43% compared to the ABG & MT's 25%) is accomplished at a lower total recovery. 2/8/79 a.p.

KP WR 5/31/79 - An attempt was made to visit the Rose Tungsten Mine, Spring Creek District, Gila Co. The property is remote and could not be reached before dark. 6/26/79 a.p.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Rose Tungsten and Wild Bull Claims Date November 18, 1960

District Spring Valley (or Spring Creek) Dist., Gila Co. Engineer Lewis A. Smith

Subject: Interview with Samuel Haught.

Location: T 8 N, R ~~14~~ 12 E, approx. S ~~23-24~~ 13 Cor. Las, (along hogback between Turkey Creek and Spring Creek).

Access: Young-Globe road to 8 miles south of Young and thence 8 miles west (turn off at ½ mile past Boretree Saddle).

Owner: Samuel A. Haught, Box 43, Young, Arizona.

Property: 5 tungsten claims (Rose Tungsten)

10 copper, silver, gold claims (Wild Bull).

These are contiguous and unpatented (forming a V shape).

Development: The claims have been developed by short cuts and pits (two claims have not been developed due to heavy overburden).

Geology: According to Haught the ore zones are in granite rocks and trend NE-SW in the Wild Bull, and NW-SE in the Rose Tungsten group. The assays from the Wild Bull run from 8 to 40% copper, up to 18 oz. of silver, and contain appreciable gold. The main exposure runs up to $65.00 per ton. There are two or more ore bands up to 4 feet wide. The Rose claims contain scheelite and wolframite along with quartz. One ton of sorted ore shipped during World War II, yielded $63.00. So far the two mineralizations appear to be separate.

No overall picture could be obtained without much more work.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date Aug 3, 1958

1. Mine: Rose Tungsten
2. Location: Sec..... Twp..... Range..... Nearest Town Young Distance 10 miles
   Direction..... Nearest R.R. Globe Distance 70
   Road Conditions Do the mine Jeep
3. Mining District and County: Spring Creek
4. Former Name of Mine: Rose Tungsten
5. Owner: Samuel A. Haught Young Ariz Box 43
   Address: Young Ariz Box 43
6. Operator: none at present
   Address: Young
7. Principal Minerals: Scheelite & Wolframite
8. Number of Claims: Lode 5 Patented..... Unpatented 5
   Placer..... Patented..... Unpatented.....
9. Type of Surrounding Terrain: Minerals of different Kinds

10. Geology and Mineralization:

11. Dimension and Value of Ore Body:
    Acording to the price of ore
    I bet a few mining men get away with them
    I sold a Ton of ore to Bunkerhill for $348

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective leasors or buyers.

(over)

12. Ore "Blocked Out" or "In Sight": 3 or 4 hundred ft of tunnel

Ore Probable:

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts		
Raises		
Tunnels	3 or 4 hundred ft	
Crosscuts	50 ft	
Stopes	50 ft	

14. Water Supply: Running creek

15. Brief History: Shooting Jerry had it and sold a lot of ore but what he did no one knows The ore is free of other minerals that don't good

16. Remarks: I have is three veins & goes good in the wall rock for a mill

17. If Property for Sale, List Approximate Price and Terms: $50,000 on terms or cash Come & see it your self if you want to deal

18. Signature: Samuel A Haught

Owner Young Orig Book 4 of 3

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

July 29, 1958

To the Owner or Operator of the Arizona Mining Property named below:

√ Shoestring (Gila County)	√ tungsten, wolframite
(Property)	(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

MS-14

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

Date 1/17/41

1. Mine Shoestring

2. Mining District & County Tonto District. Gila County

3. Former name Rose Tungsten Group

4. Location Turkey Creek 22 miles SE of Young.

5. Owner Robert O'Quinn

6. Address (Owner) Young, Arizona

7. Operator Jerry Binkley

8. Address (Operator) C/o of Ariz. Assay Office 315 N 1st. Street , Phoenix,

9. President

10. Gen. Mgr.

11. Mine Supt.

12. Mill Supt.

13. Principal Metals Tungsten (Scheelite and Wolframite) (Hubnerite)

14. Men Employed

15. Production Rate

16. Mill: Type & Cap. 5 ton Roll Mill

17. Power: Amt. & Type 35 HP Gas engine

18. Operations: Present None

19. Operations Planned Further development and increase mill to 15 ton.

20. Number Claims, Title, etc. 5 claims unpatented
Binkley holds lease and option for 5 more years.
10% net returns - $50 minimum monthly

21. Description: Topography & Geography 4900 ft. elevation at mine - fully timbered with good size trees - pine. Rugged mountains. workings near bottom of gulley and all tunnel work.

22. Mine Workings: Amt. & Condition No. 1 tunnel - 100 ft. No. 1 Ext. tunnel - 50 ft. above No. 1 on same vein - 80 ft. long. No . 2 tunnel 12 ft. south and parallel to No. 1 Ext. - 75 ft. long. Connected by crosscut with No. 1 tunnel. Another parallel vein 50 ft. south is No. 3 Ext. tunnel - 40 ft. No. 4 vein - across gulley - 45 ft. tunnel. 2 other veins with shallows, discrovery cuts.

(over)

23. Geology & Mineralization — .orite country rock - tru iss veins - quartz filling
Mineralization is ~~scheelite~~ hubnerite and wolframite - with traces titanium.

24. Ore: Positive & Probable, Ore Dumps, Tailings — 650 tons blocked on 3 sides.
sampled general average 3% WO_3

24-A Vein Width, Length, Value, etc. — Average width of ore 6 inches
One new vein showing 14 inches width
General assay 3% WO_3

25. Mine, Mill Equipment & Flow Sheet — 1 Union 150 cu. ft. Air compressor
1 jackhammer - S 49 Cochise
5 x 8 crusher - 12 in. x 16 in. rolls.
2 -- 12 in. x 18 in. Jigs.
1/8 inch screen for oversize rock to crusher.
3/4 ton per hour capacity.

26. Road Conditions, Route — Phoenix to Young road, 10 miles this side of Yound take Buzzard's Roost road. To left - 12 miles to mine through Jim Sam Haught Ranch. Good auto road to mine.

27. Water Supply — Plenty of running water for domestic and for 100 ton mill capacity

28. Brief History — Opened up in 1928.
Present owner has shipped 1500# - 65% WO_3 concentrates
Has only mined and milled enough to pay for added development work.

29. Special Problems, Reports Filed — Confidential report by W. B. Gohring.
Favorable for a small profitable operation.
Also report by Bud Hughes of Miami. Favorable

30. Remarks

31. If property for sale: Price, terms and address to negotiate. — Will sell - option for $6000. Cash.
Option is for $20,000. (which may be cut).
Prefer - $3000 for working capital for which will give a 50/50 cut in option.

32. Signed.....Jerry Brinkley.....

33. Use additional sheets if necessary.

Spring Creek

Rose Tungsten Group

The Rose Tungsten group of five unpatented lode claims is in sec. 1[illegible], T. 8 N., R. 12 E., unsurveyed, in the upper drainage area of Spring Creek in the northern part of the Sierra Ancha at an altitude of about 4,800 fe[illegible]. The property is accessible from the Globe-Young highway as follows: Drive 8.4 miles southward from the Valley Store at Young on the Globe road, and [illegible] then 7.4 miles westward on a truck trail to the Jim Sam Haught ranch. A winding truck trail from the Haught ranch ends at the lower adit on the property (a distance of 4.4 miles, fig. 12). The property was [illegible] in July 1958. Its present owner is Samuel A. Haught, owner of the Jim Sam Haught ranch.

These claims were located in 1937 by Robert O'Quinn and were subsequently sold to Jerry Binkley. Haught, the present owner, purchased the claims through Binkley's attorney several years ago.

The production record is incomplete. O'Quinn, Binkley, and others produced a few lots of tungsten concentrates with a small gravity plant. The last production was by Sam Haught, who trucked 3 tons of hand-sorted ore to the Stetler mill at Quartzsite, Ariz. This ore yielded 260 pounds of concentrates; WO_3 content is unknown, but it was reportedly high.

Workings on the property consist of a lower adit 165 feet long driven on the west vein with a 20-foot crosscut to the east vein, [illegible] approximately 20 feet of drifting on this vein; an upper adit, [illegible] feet above the lower adit, driven 70 feet on the east vein with a crosscut to the west vein and 80 feet of drifting on the west [illegible] foot adit about 50 feet east of the upper adit; and a 30-foot adit [illegible] the canyon easterly from the other workings.

Wilson[10/] examined the property in 1941. He states:

> At the mine, a northeastward-flowing tributary of Spring Creek has carved a canyon about 300 feet deep through flat-lying quartzite, shale, and conglomerate of the pre-Cambrian Apache series, down into older tilted rocks. These older rocks here consist of laminated, somewhat schistose, ripple-marked beds, in places chloritized and impregnated with specularite. They strike northwestward, dip about 45° NW., and have been intruded by northeastward-trending sill-like bodies of fine-grained dark-gray to black rock as much as 300 feet wide. Microscopically, this dark-colored rock is seen to be a diorite porphyry that has undergone considerable silicification.
>
> Cutting the dark-gray intrusive on the west side of the canyon are two parallel quartz veins, 17 feet apart, that strike northwestward and dip 80° to 85° SW. When seen in May 1941,

10/ Work cited in footnote 9, pp. 27-28.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

Date January 1940

1. Mine Wild Bull Nos. 1,2,3,4,5,6

2. Mining District & County Pleasant Valley, Gila County

3. Former name

4. Location

5. Owner Sameul A. Haught, Jr.

6. Address (Owner) Young, Arizona

7. Operator

8. Address (Operator)

9. President

10. Gen. Mgr.

11. Mine Supt.

12. Mill Supt.

13. Principal Metals Gold, silver, copper, tungsten and chrome

14. Men Employed

15. Production Rate

16. Mill: Type & Cap.

17. Power: Amt. & Type

18. Operations: Present

19. Operations Planned

20. Number Claims, Title, etc. Six claims

21. Description: Topography & Geography

22. Mine Workings: Amt. & Condition

(over)

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings

24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet None

26. Road Conditions, Route Fair

27. Water Supply Plenty

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate. For lease at 10%

32. Signed Samuel A. Haught, Jr.

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

Date Pleasant Valley Dis

Mine

District

Former name

Owner

Operator

President

Mine Supt.

Principal Metals

Production Rate

Power: Amt. & Type

Operations: Present

Location Samuel a Haught ft

Address | gila co | Young ariz

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Gold Silver copper Tungsten chrome

Operations Planned

Number Claims, Title, etc. 6 claims name Wild Bull 1.2.3.4.5.6

Description: Topog. & Geog.

Mine Workings: Amt. & Condition

(over)

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet none

Road Conditions, Route fair

Water Supply plenty

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. for lease at 10 % 0

Signed Samuel A. Haught Jr.

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Mine Wild Bull

Date

District

Location Pleasant Valley District

Former name

Owner Samuel A Haught Jr

Address Young

Operator

Address gila co ariz

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present Gold Silver copper Tungsten & Chrome

Operations Planned

Number Claims, Title, etc. 6 claims name wild Bull 1, 2, 3, 4, 5, 6.

Description: Topog. & Geog.

Mine Workings: Amt. & Condition

(over)

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet none

Road Conditions, Route fair

Water Supply plenty

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. for lease at 10%

Signed Samuel A. Haught Jr.

Use additional sheets if necessary.

MN-32

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

1. Mine Wild Bull Nos. 1,2,3,4,5,6,
2. Mining District & County Pleasant Valley - Gila County
3. Former name
4. Location
5. Owner Samuel A. Haught Jr.
6. Address (Owner) Young, Arizona
7. Operator
8. Address (Operator)
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold, silver, copper, tungsten and chrome
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present

19. Operations Planned

20. Number Claims, Title, etc. Six (6) claims,

21. Description: Topography & Geography

22. Mine Workings: Amt. & Condition

(over)

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings.

24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet None

26. Road Conditions, Route Fair

27. Water Supply Plenty

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate. For lease at 10%

32. Signed /sd/ Samuel A. Haught Jr.

33. Use additional sheets if necessary.

6 January 1940

Mr. Samuel A. Haught, Jr.,
Young, Arizona.

My dear Mr. Haught:

Your letter of December 29 addressed to the A. S. M. O. A. has been referred to the Department of Mineral Resources for reply.

I am enclosing herewith a blank Mine Owners Report, which I should suggest that you fill out in detail and return to this office immediately so that we may have information regarding your property in our files.

When we have a call for a property such as yours, we shall be glad to refer them to you.

With best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf

encl.

Lee Receipt by ... 1-8-40 ... 5 claims.

January 5, 1940.

Mr. Samuel A. Haught Jr.,
Young, Arizona.

Dear Mr. Haught:

I have your letter of the 29th. It is the Department of Mineral Resources, Capitol Bldg., Phoenix, Arizona, that does the work of trying to bring buyers and sellers of Arizona mining property together, and I am referring your letter to them.

In the meantime it might be very well for you to fill out one of their Owner's Report Blanks as this gives the information which they need in order to interest prospective buyers. A copy of that blank is enclosed and after you fill it out please send it to J. S. Coupal, Director, Department of Mineral Resources, Capitol Bldg., Phoenix.

The Department is getting quite a number of inquiries from people who want mining properties, and I feel sure that they will be able to help you.

Yours very truly,

State Secretary
ASMOA.

CFW-M

January 5, 1940.

Mr. Elgin B. Holt,
P. O. Box 288,
Kingman, Arizona.

Dear Mr. Holt:

I have your letter of the 3rd relative to the meeting of the Alamo Council. I knew that you would know much better as to when the meeting should be so that you can get to it at least every other month. Therefore, it is definitely fixed, on your recommendation, that the meeting of the Alamo council will be on Tuesday of the fourth full week of each month at the Alamo school house at 3:00 P.M.

This brings the meeting in January on the 23rd, in February on the 27th, March on the 26th, April on the 23rd, and May on the 28th. This is as far ahead as we have made our calendar.

I would suggest that inasmuch as this council is just getting started that you also attend their January meeting, and from then on alternate months. We will send out notices of the meeting from here.

With kindest personal regards, I am

Yours very truly,

State Secretary
ASWOA.

CFW-M

cc - J. S. Coupal
A. C. Drummond

DEPARTMENT OF MINERAL RESOURCES

News Items

Date 11/7

Mine THOESTRING

Location YOUNG

Owner TOBT. O. QUINN

Address YOUNG - HRIZ.

Operating Co. THOESTRING MINING CO.

Address C/O ARIZONA ASSAY OFFICE

PHOENIX

Pres. } TERRY BINKLEY

Genl. Mgr.

Mine Supt.

Mill Supt.

Principal Metals TUNGSTEN

Men Employed 4

Production Rate OPENING UP.

Mill, Type & Capacity

Power, Amt. & Type

Signed J.C.

(Over)

Present Operations KILLED BY FROST

BEING MADE BY JOHN HERMAN

L.A. & PLAN FOR A 10 TON

MILL.

SINKING 100 FT. SHAFT

New Work Planned & TUNNEL NEW 125

FT. ON VEIN - BLOCKING OUT

1000 TONS - SHOWING 3%

WO_3 - WOLFRAMITE

IN DIORITE - VEIN 6"

Miscl. Notes WIDE - WITH PARALLEL

VEIN - 10 FT. AWAY ALSO 6"

Signed J.C.

(Over)

Young, Ariz
Dec, 24, 1939.

A. & M. O. A.
Phoenix, Arizona.
Dear Sirs:

I have a quartz ledge almost a mile long that carries, gold, silver, copper, chromium, tungston, and other metals.

Would be pleased if you would send some one out who is interest in this kind of property and who has the money to operate with.

I am Sincerely one of your members.

Samuel A. Haught Jr.

Gray

TUNGSTEN PROPERTY

This mining property consists of five mining claims in Gila County, Arizona. The mine is on Spring Creek, a branch of Tonto Creek, and is 12 miles west from the Pleasant Valley road, near Young. This is a fine gravel road running to Miami and Globe. The mine would be close to 80 miles from Globe or Miami, the nearest railroad.

Spring Creek has a good flow of water the year around. The mine is on two quartz veins which cross the Creek at right angles. Thirty feet above the creek bottom they have tunnelled 75 feet on one vein, and 50 feet higher they have tunnelled in 43 feet, and both veins have been disclosed on the surface much higher up the hill and across the creek. The second vein is 12 feet distant from and parallel to the first, on which the tunnels are driven. Both look exactly alike and are remarkably uniform in width and mineralization. Each is a strong six inches in width and shows a consistently heavy mineralization of tungsten, principally wolframite. The wolframite comes in coarse crystals up to an inch or two long.

This ore, on evidence submitted by the owner, will average 3% WO_3 From its appearance and heavy mineralization it certainly looks that good. On that basis it would have a gross value of $60.00 per ton. The mill required for treating this ore is of simple gravity or water concentration which could be very cheaply installed. I estimate that this mine could supply a ten ton per day mill and, allowing a high safety factor in estimating costs, there should, on the above grade of ore, be a net profit of $30.00 per ton or $300.00 per day. At this time I have not had made my own tests on this ore, but the very appearance of the vein, together with the known and proven simplicity of its treatment or metallurgy indicates the above estimate is reasonable.

The cost of installing the simple equipment required for a ten ton operation is, tentatively, $6,000.00. The development now done shows sufficient ore to more than cover the required expenditure. A sound program here is to carry on an eight or ten week development and blocking out program. During this time mill testing, and mill and camp construction, would be completed. After that income should be continuous. On narrow veins such as these a steady development program must be kept up, in order to keep the mill running and I have allowed liberally for that in my estimate of costs and profits above. However, the structure here is sufficiently developed now to indicate these veins are continuous and persistent and there is nothing to indicate that they will not continue in size and value, both in depth and length, to keep a ten ton mill going a long while.

The site is ideal for the proposed operation. The stream flowing right by the mine insures water for all purposes at all seasons. The claims are in the pines at an elevation of just under 5000 feet.

I do not think I have ever seen so ideal a setup for a small operation, nor one with so little gamble to it.

W. B. COHRING
Mining Engineer

Phoenix, Arizona
November 4, 1939