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01/28/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BIG BUG CLAIMS

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 329

LOCATION: TOWNSHIP 12 S RANGE 18 E SECTION 31 QUARTER C
LATITUDE: N 32DEG 20MIN 56SEC LONGITUDE: W 110DEG 32MIN 35SEC
TOPO MAP NAME: BELLOTA RANCH - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
W
CU OXIDE

BIBLIOGRAPHY:

DALE, V.B., ET.AL., 1960, USBM RI 5650,
P. 118-119
ADMMR BIG BUG GROUP FILE

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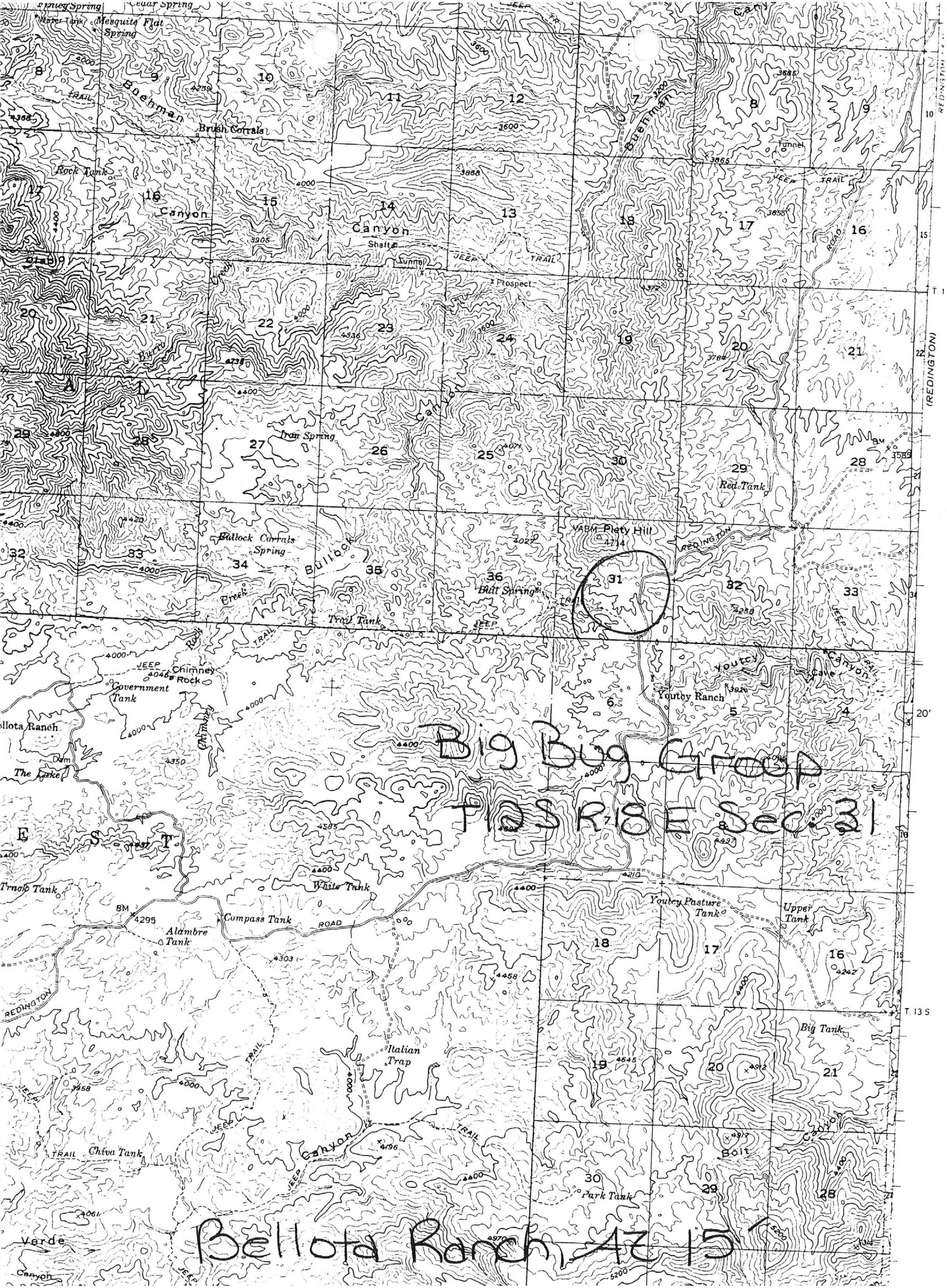
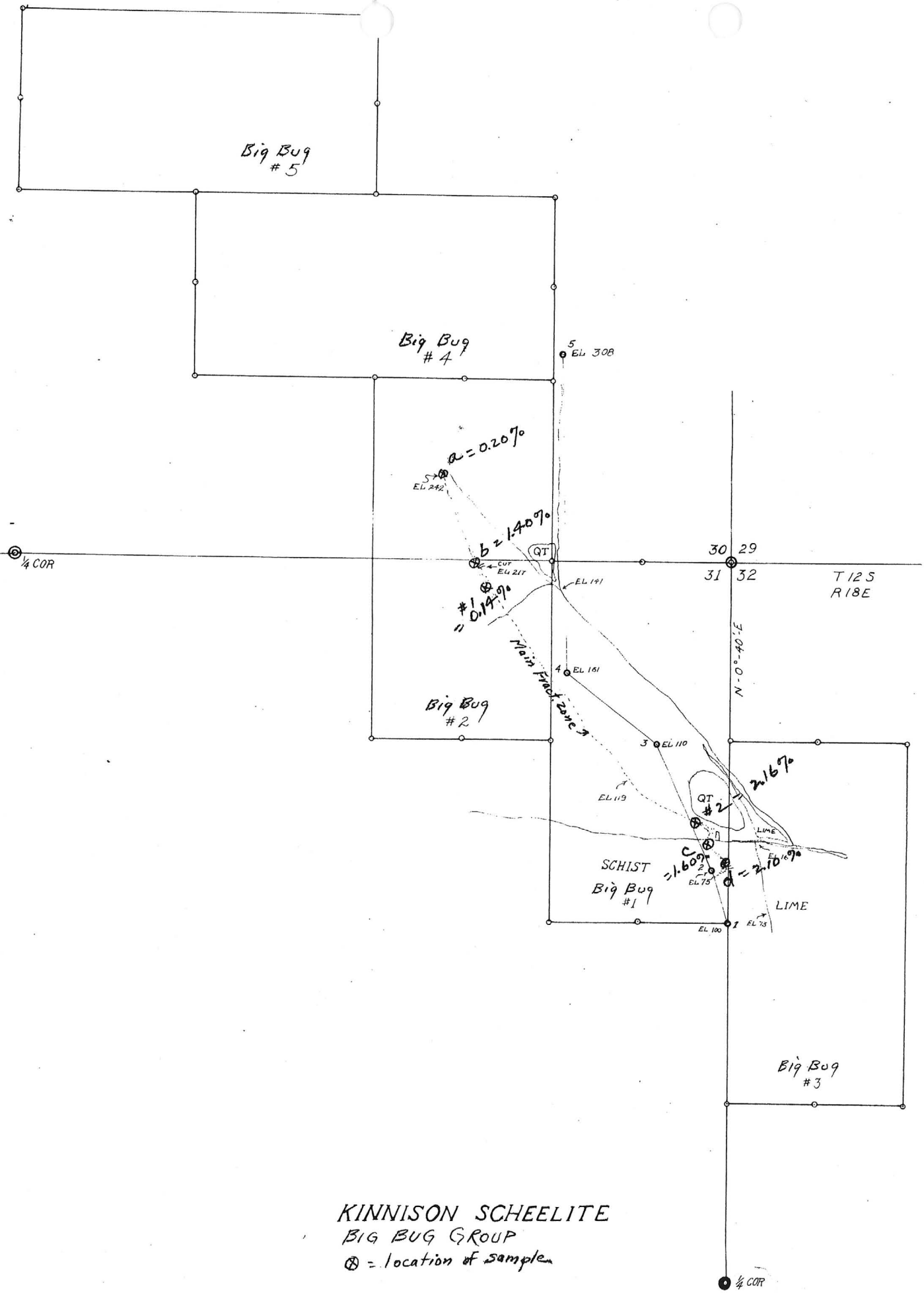

Big Bug Group
T12S R18E Sec. 31
Bellota Ranch, AZ 15'
Mesquite Flat Spring
Buehman
Brush Corrals
Rock Tank
Canyon
Shaft
Tunnel
Prospect
Iron Spring
Red Tank
Plety Hill
Bullock Corrals Spring
Bullock
Bull Spring
Trail Tank
Chimney Rock
Government Tank
Youtcy Ranch
Youtcy Cave
Bellota Ranch
The Lake
White Tank
Compass Tank
Alambre Tank
Youtcy Pasture Tank
Upper Tank
Big Tank
Italian Trap
Chiva Tank
Park Tank
Verde
Canyon
(REDINGTON)
T. 13 S



KINNISON SCHEELITE
BIG BUG GROUP
⊗ = location of samples

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Big Bug Group Date Feb. 15, 1956

District Redington District, Pima County Engineer Axel L. Johnson

Subject: Present Status.

Location See report of Aug. 10, 1951.

Number of Claims 2 unpatented claims on State lands. Originally, 5 claims were located, as shown on the Aug. 10, 1951 report. Later, this was amended so as to include only 2 claims, located end to end at a bearing of N 39-30 W.

Owner J. E. Kinnison, Commercial Hotel, Box 937, Flagstaff, Arizona.

Operator Not in operation.

Principal Minerals Tungsten ore in the form of scheelite.

Number of Men Employed None.

References For other information in regard to this property, please see my report of Aug. 10, 1951.

Remarks No change in the status of this property, except in regard to the number of claims held and the address of the owner. No work has been done on same, except for the required assessment work.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

New

Mine Big Bug Group Date Aug. 10, 1951

District Catalina Mining District Engineer Axel L. Johnson

Subject: Reconnaisance Report.

Ownership. The Big Bug Group is made up of 5 unpatented claims, covering approximately 100 acres. The group is owned by J. E. Kinnison, 221 North Norris Ave., Tucson, Ariz.

Location. The property is situated about 1/4 mile north-west of the Tucson-Redington Highway and about 33 miles north-east of Tucson near the section corner common to Sections 29, 30, 31, & 32 ---T 12 S-- R 18 E (See accompanying map). A newly constructed road connects the property with the highway.

Topography. The claims are in an area of comparatively low, rolling hills on the east slopes of the Santa Catalina Mts. Several small washes are found between the hills.

Geology and Mineralization. All the rocks in this area seem to be very much folded, and occur in relatively steep dips. The predominant country rock in the area of the Big Bug Group of claims is a gray schist which is quite hard and resistant to fracture. It is probably pre-Cambrian in age.

On the east side of the Big Bug #3, there is an area of limestone rock which dips north-east. This is probably Devonian in age, and originally must have been laying above the schist, and has since been folded, overturned and eroded away, exposing the schist. No mineralization was found in the limestone and, as far as could be determined, there is no relation to the limestone and the tungsten mineralization found in the schist.

The schist on these claims has been broken by a series of fractures with a general north-west trend and steep dips. The main fracture zone, shown on map, has a general north-west trend (see dotted line on map), and appears to be a few inches to a few feet in width. The width is rather indeterminate in most places on account of the loose overburden which covers most of the area from a few inches to 4 feet in thickness. The dip of this main fracture zone is from vertical to 60 deg. SW. (Aver. about 75 deg.)

This fracture zone contains fissures in the schist filled with a greenish-looking rock, which appears to be tremolite. Whereever this green rock (tremolite) is present, the rock shows evidence of tungsten under the ultra-violet lamp. Most of the area along the fracture zone was covered with overburned and was not accessible for testing with the lamp. Some of this overburden, however, contained float which showed some fluorescence. Some of the tests along the exposed fracture zone showed negative results.

We took two samples #1 and #2 (see map for location). Previously, Mr. Kinnison had taken four samples--a , b, c, & d (see map). The assay on these samples were viz.---#1--0.14 % ; #2-- 2.16 % ; a-- 0.20 % ; b-- 1.40 % ; c-- 1.60 %; d-- 2.10 %,

Mine Workings. There are no mine workings on the claims, except two shallow cuts, about 4 ft. wide and 10 ft. long. These cuts apparently missed intersecting the fracture

Conclusion of Findings. The information, at present, is too limited to base any conclusions as to the probable extent, depth, of average content of the deposit. In view of the present information, however, it would seem that the property would warrant some exploration work. This, I think, should be done in two steps--- (1) Preliminary exploration by trenching across the strike of the deposit to determine the width and average analyses near the surface. (2) If this preliminary exploration seems to warrant further exploration work, a few diamond drill holes should then be put down in order to determine the nature of the deposit in depth.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Big Bug Group Date Aug. 10, 1951

District Catalina Mining District. Engineer Axel.L. Johnson

Subject: Reconnaisanee Report (page 2)

Plans of Mr. Kinnison. Mr. Kinnison does not wish to apply for an exploration loan at the present time. He wishes to wait until he can be assured that the ore mined from the deposit can be sold at a profit at a government stockpile or a government operated mill. He does not wish to take the chances of shipping the ore to a custom mill on account of the uncertainties of getting a fair return, and also on account of the uncertainties of a continuous operation of such a mill.

Mr. Kinnison, however, is willing to lease the property to an operator at a scale of 10% royalty for a 1% tungsten ore, with an increase of 1 % royalty for each 0.1 % of tungsten trioxide above 1%, and running up to a maximum of 50 % royalty.

Mr. Kinnison will also sell a majority interest in the property, retaining a negotiated minority interest for himself.

Axel L. Johnson

Axel L. Johnson, Field Engineer,
Department of Mineral Resources,
P. O. Box 390, Tucson, Arizona.

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

Date Sept. 1951

1. Mine: Big Bug
2. Location: Sec. ..... Twp. ..... Range ..... Nearest Town Tucson
   Distance 35 Mi. Direction N E Road Condition Good
3. Mining District & County: OLD HAT PIMA County
4. Former Name of Mine: ——
5. Owner: J E KINNISON
   Address: 221 N NORRIS AVE TUCSON ARIZ
6. Operator: .....
   Address: .....
7. Principal Minerals: SCHEELITE
8. Number of Claims: 5 Lode ✓ Placer .....
   Patented ..... Unpatented ✓
9. Type of Surrounding Terrain: LOW HILLS

10. Geology & Mineralization: SCHEELITE IN SCHIST

11. Dimension & Value of Ore Body: VEIN SHOWS ON SURFACE FOR about 1200 FEET - 1 to 3 FEET WIDE - SHEELITE IS SEEN AS FLOAT AND OUTCROPS.

12. Ore "Blocked Out" or "In Sight": NONE

Ore Probable: ?

13. Mine Workings—Amount and Condition: NONE

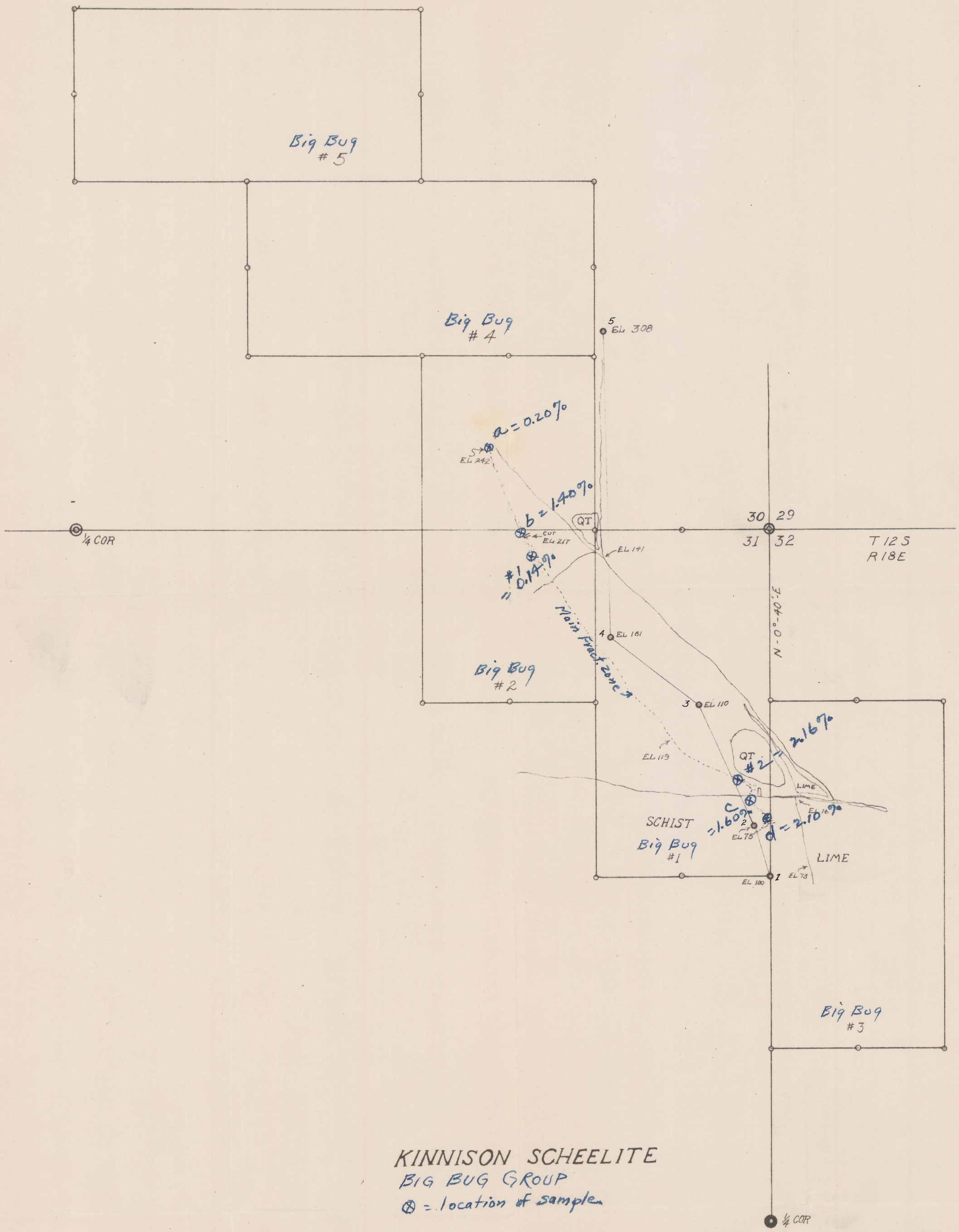
	No.	Feet	Condition
Shafts			
Raises			
Tunnels			
Crosscuts			
Stopes			

14. Water Supply: NONE DEVELOPED - SAN PEDRO RIVER about 5 MILES by good ROAD.

15. Brief History: No history

16. Signature: J. C. Kinnison

17. If Property for Sale, List Approximate Price and Terms: WOULD LEASE



KINNISON SCHEELITE
BIG BUG GROUP
⊗ = location of sample