



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 08/08/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HARPER MINE

ALTERNATE NAMES:

RINCON CLAIM
SOUTHWEST TUNGSTEN COMPANY

COCHISE COUNTY MILS NUMBER: 120

LOCATION: TOWNSHIP 23 S RANGE 20 E SECTION 30 QUARTER S2
LATITUDE: N 31DEG 23MIN 51SEC LONGITUDE: W 110DEG 21MIN 10SEC
TOPO MAP NAME: MILLER PEAK - 7.5 MIN

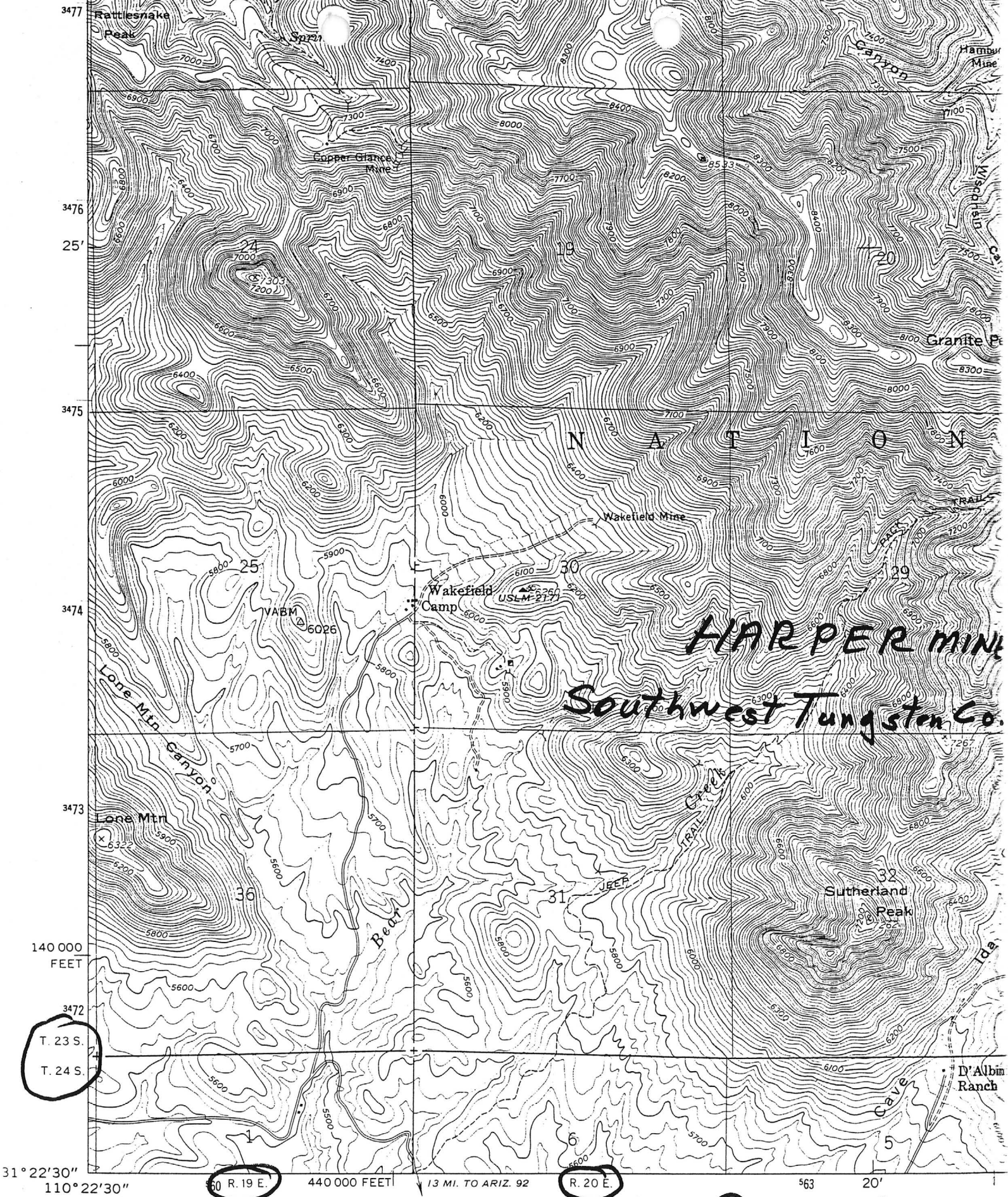
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD LODE
SILVER
TUNGSTEN
COPPER SULFIDE
LEAD

BIBLIOGRAPHY:

ADMMR HARPER MINE FILE
KEITH, S.B.,1973, INDEX MINING PROPERTIES IN
COCHISE CO., AZ: AZBM BULL. 187, P. 65
DALE,V.B.,ET.AL.,1960, TUNGSTEN DPSTS COCHISE
PIMA & SANTA CRUZ COUNTIES, AZ: USBM RI 5650
P. 35-37
WILSON, E.D.,1941, TUNGSTEN DPSTS OF AZ: AZ
BUR MINES BULL 148, P. 49



NI MESA
46 IV SW

Mapped by the Army Map Service
Edited and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography from aerial photographs by stereoplanigraph methods
Aerial photographs taken 1946. Field check 1948
Revised by the Geological Survey 1958

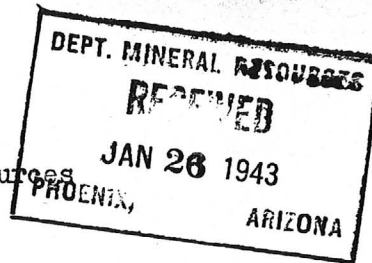
Miller Peak, AZ
7 1/2 min

GN MN
12°

January 21, 1943

MEMORANDUM

To: Dept. Mineral Resources
From: George A. Ballam



Harper Mine
Mori Mine and Mill
(Huachuca)

I was unable to examine this property save very superficially, due to the fact that the owner was away, and the Mexicans on the place had no authority to permit it.

It is known as the Southwest Tungsten Mining and Milling Co., under ownership of Dean Mori, Box 1393, Bisbee. Located near the mouth of Cave Canyon on the west slope of the Huachuca and on the highway. The mine is about two miles east up the canyon.

From what I was able to learn, this is the old Stockstead mill and mine. The mill has been moved to its present site and completely revamped, using power generated on the ground. A 50 KVA generator is driven by a gas engine. There is a crusher, ball mill and 2 14' tables together with the necessary bins, water tanks, etc. The mill is well-arranged, but so far has been engaged in experimental work which is now completed and ready to go.

The mine is developed by a tunnel which is reported to be 100' in. Some underhand stoping has been done in the hill above the tunnel. Here the quartz, carrying scheelite of a rather massive type, is about 24" to 30" thick and dipping to the west at about 35°. It looks as though this can be stoped from the tunnel. It carries considerable copper, well-oxidized and apparently easily removed in the milling operation. There is ample water in the canyon year round. There are good camps at both mine and mill, buildings newly painted and in good repair.

I gathered that Mr. Mori is on his way back from Pittsburgh with the intention of getting under operation at once. I left a card with one of the boys requesting him to get in touch with the department if he needs assistance.

GA Ballam

May 4, 1953

Dr. Eldon L. Carlson
4677 York Boulevard
Los Angeles, 41, California

Dear Dr. Carlson:

We are enclosing herewith a copy of a report on your Southwest
Tungsten Co. property by our Mr. Johnson. Please return this
report to us when you are finished with it.

Very truly yours,

R.I.C. Manning,
Director

Enc

RICM:lp

C
O
P
Y

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORTREPORT BY:
A. BRODIE CAMPBELL

Date May 15, 1942

1. Mine SOUTHWEST TUNGSTEN CO.
2. Mining District & County Hartford Dist.
Cochise Co.
3. Former name Harper Group
4. Location Southwest slope of Huachuca
Mts. about 18 miles from eastern tip.
5. Owner Dean Mori
6. Address (Owner) Manennen, Pa.
7. Operator C. O. Stockstead (Leasee)
8. Address (Operator) Box 393 Bisbee, Arizona
9. President Dean Mori
10. Gen. Mgr.
11. Mine Supt. - - -
12. Mill Supt.
13. Principal Metals Scheelite, a little copper &
galena
14. Men Employed Two
15. Production Rate None
16. Mill: Type & Cap. Gravity. 2 ton/hr
17. Power: Amt. & Type Old type 45 HP diesel
two gas auto engines
18. Operations: Present
Mapping and geologizing
19. Operations Planned Install new mill. Mine some ore that is already blocked out.
20. Number Claims, Title, etc. 2 patented claims & one held by location.
21. Description: Topography & Geography Fairly rugged mountainous. 6,000' elevation. Fair
amount of precipitation. Sparse stand of cedar and juniper trees.
22. Mine Workings: Amt. & Condition 300' drifts. Several open cuts and cross trenches.
Open cut on N end about 40' long and 20' deep at deepest. Open cut and drift on
SE end of apparently the same vein is about 60' long and 20ft deep

23. Geology & Mineralization Several quartz veins cutting through metamorphosed sediments. Strike NE-NW, dip about 60° W. Veins from ~~3~~ one foot to three feet wide. traceable intermittently for several thousand feet. Some major faulting. One vein opened shows scheelite with copper minerals and galena.
24. Ore: Positive & Probable, Ore Dumps, Tailings None. Very good chance that there might be some 40,000 tons of questionable grade ore $\frac{1}{4}$ to $\frac{1}{2}\%$.
- 24-A Vein Width, Length, Value, etc. Main vein or one similar to it is about 900' long. Has approximately mean elevation of 40' above lowest exposure.
25. Mine, Mill Equipment & Flow Sheet 220 cuft portable compressor; mill; mine run to crusher, to ball mill to tables
26. Road Conditions, Route Take Montezuma Pass road 27 miles west of Bisbee on the Bisbee-Haachuca road. Go 17 miles west, take road to north that is marked Wakefield Mines. Go 2 miles north on this road.
27. Water Supply Comes from stream that reportedly never goes dry. Water might present a problem for major operations. Do not think that there is more than enough water that could be developed over a 25-ton a day operation.
28. Brief History Started in early 1900 as a copper property. Some small tungsten extraction was made during the World War. Been owned by the present group since 1939.
29. Special Problems, Reports Filed Tungsten Deposits of Arizona, Wilson, 1941
30. Remarks This property and those adjoining it should show under proper conditions a 25-ton a day production if water can be developed.
31. If property for sale: Price, terms and address to negotiate. Some kind of promotion going on now. Do not know if property is for sale or not.
32. Signed.....
33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date April 18, 1953

1. Mine: Southwest Tungsten Co.

2. Location: Sec. 30 Twp. 23 S. Range 20 E. Nearest Town Bisbee

Distance 40 miles Direction West Road Condition 38 miles good--2 miles fair
last 1/2 mile washed out

3. Mining District & County: Hartford Dist., Cochise Co.

4. Former Name of Mine: Harper Group

5. Owner: Southwest Tungsten Co.,--Dean Mori, et. al.

Address: Dean Mori, R. F. D. #2--Box 347, Belle Vernon, Pennsylvania.

6. Operator: Not in operation

Address:

7. Principal Minerals: Tungsten and Copper.

8. Number of Claims: Two patented.

Patented Pat. claims--Pincon & Chipsha Unpatented.

9. Type of Surrounding Terrain: Moderately rugged in Huachuca Mts. at elevation 6000 ft.

Geology and Mineralization: A number of quartz veins in country rock of shale, with some conglomerate. The quartz veins contain coarsely crystalline dull white quartz, which are mineralized in places, the minerals being scheelite, cupro-scheelite, malachite, chalcopryrite, bornite, and galena. Four veins examined, viz:
 (1) Strike N 15 E--Dip 35 West. Vein 3 in. to 18 in thick, containing malachite, chal-
 10. copyrite, bornite, and a small amount of scheelite. Was
mined for copper in 1898 through the 150 ft. inclined shaft. 1 carload shipped. Copper
showing does not appear to be commercial. Very little scheelite.

(2) Strike N 15 W--Dip 48 West. Vein 2 to 4 ft. thick. Outcrops in 3 places, with
one open cut, where some scheelite appears to have been taken out. Has scattered
scheelite showings, mixed with malachite, chalcopryrite, and galena.
 (3) Strike N 38 W--Dip 54 to SW. Vein 3 ft. wide, narrowing down to 12 inches
at end of tunnel. Was mined for scheelite ore, there being a 35' x 15' stope above
the tunnel. Most of the commercial ore appears to have been removed. However,

11. some low grade scheelite showings are still found in
scattered places of the vein, where vein is cut by the tunnel. Further exploration
of the vein may possibly show up additional bodies of commercial scheelite ore. This
vein contains very little of the copper minerals found in the other veins.

(4) This vein is 25 ft. east of previous vein, and appear to be parallel to same.
Strike N 40 W -- Dip vertical at top, turning to 54 deg. SW. Vein is 5 ft. thick
at top, narrowing on going down. Mining was done for scheelite in an open cut at
the top of the vein. Good values reported taken out, but ore did not continue
down in the vein.

These veins are exposed intermittently across the property. They can
be followed on the surface for several hundred feet, and then either pinch out, or
covered by overburden. Also may be cut off by faults.

12. Ore "Blocked Out" or "In Sight"..... No commercial ore blocked out or in sight.

State of Arizona
MINE OWNER'S REPORT

Date April 18, 1953

Ore Probable: (1) First described vein does not appear to have commercial grade ore. (2) Second described vein has scattered scheelite showing, with a large amount of copper present. (3) Third described vein appears to have scheelite pockets, but needs exploration and development work to block these out. May be possible to develop some commercial grade ore. (4) This vein also worthy of exploration.

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts..... 1	150 ft. incl.	Good. 8 to 10 ft. of water at bottom.
Raises..... 1	15 ft.	Good
Tunnels..... 1	170 ft.	Good
Crosscuts..... 3	100 ft.	Good
Stopes & open cuts..... 4		Good

Mill moved to present site 2 1/4 miles south of mine about 1943. Mill is a 25 ton gravity mill, consisting of jaw crusher, vibrator screen, ball mill, 2 tables, elevators, elec. generator, etc. Mill can be reactivated with slight repairs.

14. Water Supply: Water supply for mill comes from Bear Creek, running past mill site. This creek would not supply water enough most of the year for continuous operation according to opinions expressed by residents of the area. Water may have to be developed by well dug to depth of 200 ft. or more, or by building a dam in the creek and storing the water. Water recovery system could be installed at the mill.

15. Brief History: First vein described was mined about 1898 to 1900 for copper. At least one carload was reported shipped, and some ore was reported milled.

Third and fourth veins described were mined during World War II for scheelite by C. O. Stockstead (lessee), now deceased, and later by Dean Mori. This ore was milled by the 25 ton gravity mill. One stope is about 3' x 35' x 15'. One open cut is about 5' x 25' x 8' ft. Reported good ore values, but ore did not continue down.

Stockstead mined for about one year. After that Mr. Mori is reported to have done some mining and moved mill to present location. After 1943, there has been no work done, except some small repairs to the mill, except that Dean Mori was reported as having a man working on the property for a few days last fall.

Did not find any evidence of any unpatented claims held by location. All the claims surrounding these two patented claims, are reported as being held by H. G. Van Horn, who lives near the property.

Needs about 1/2 mile of road to be built into the property, as the old road is badly washed out.

No mining equipment remaining on the property, except one Packard engine, which was used to run the air compressor, which has been removed. Machine shop bldg. standing on the property.

16. Signature: *Capel L. Johnson*

17. If Property for Sale, List Approximate Price and Terms: Apparently for sale or lease. Several parties are reported as having looked over the mill and mine recently.

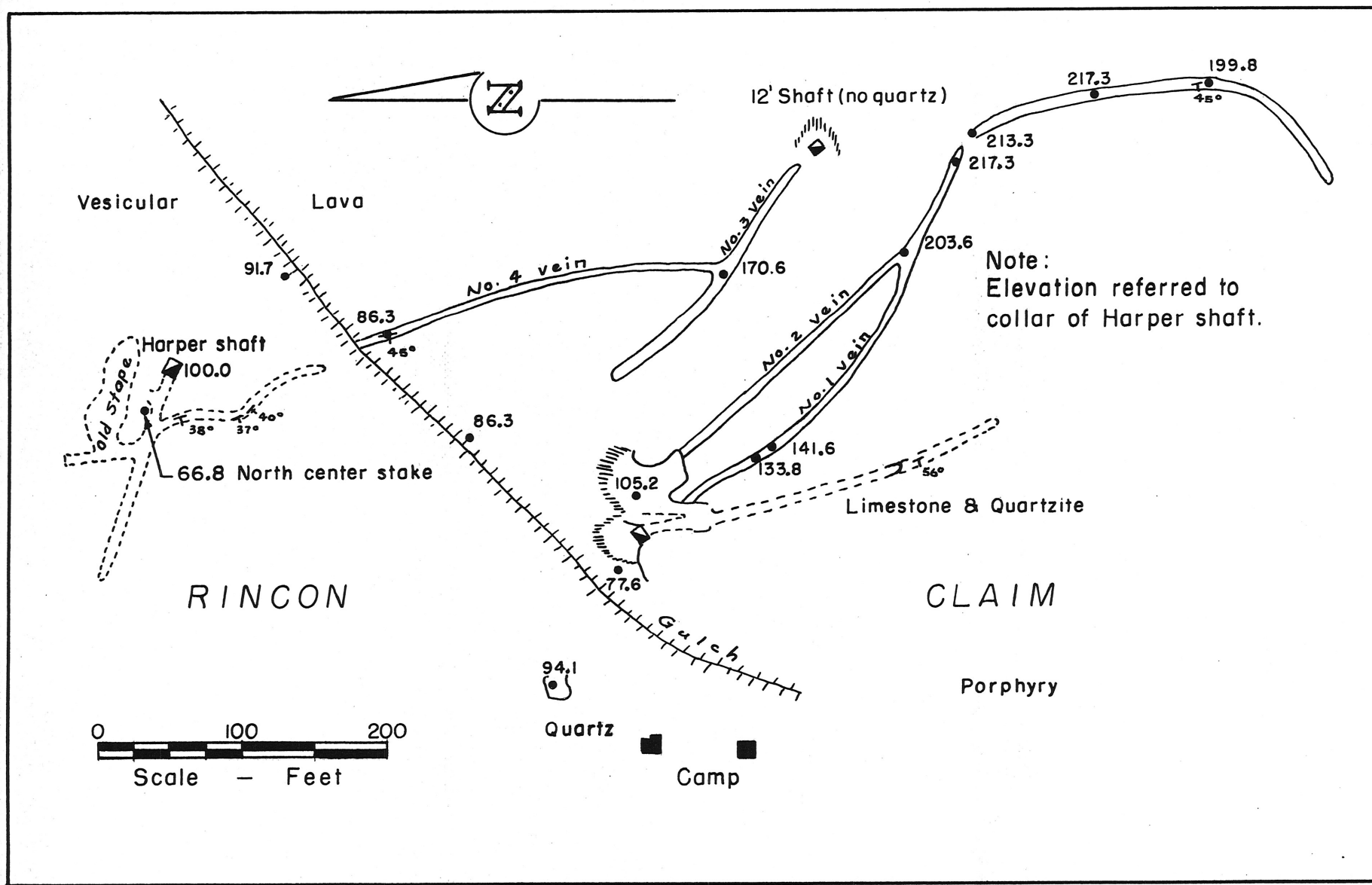


Fig.13- Brunton survey of Harper Mine

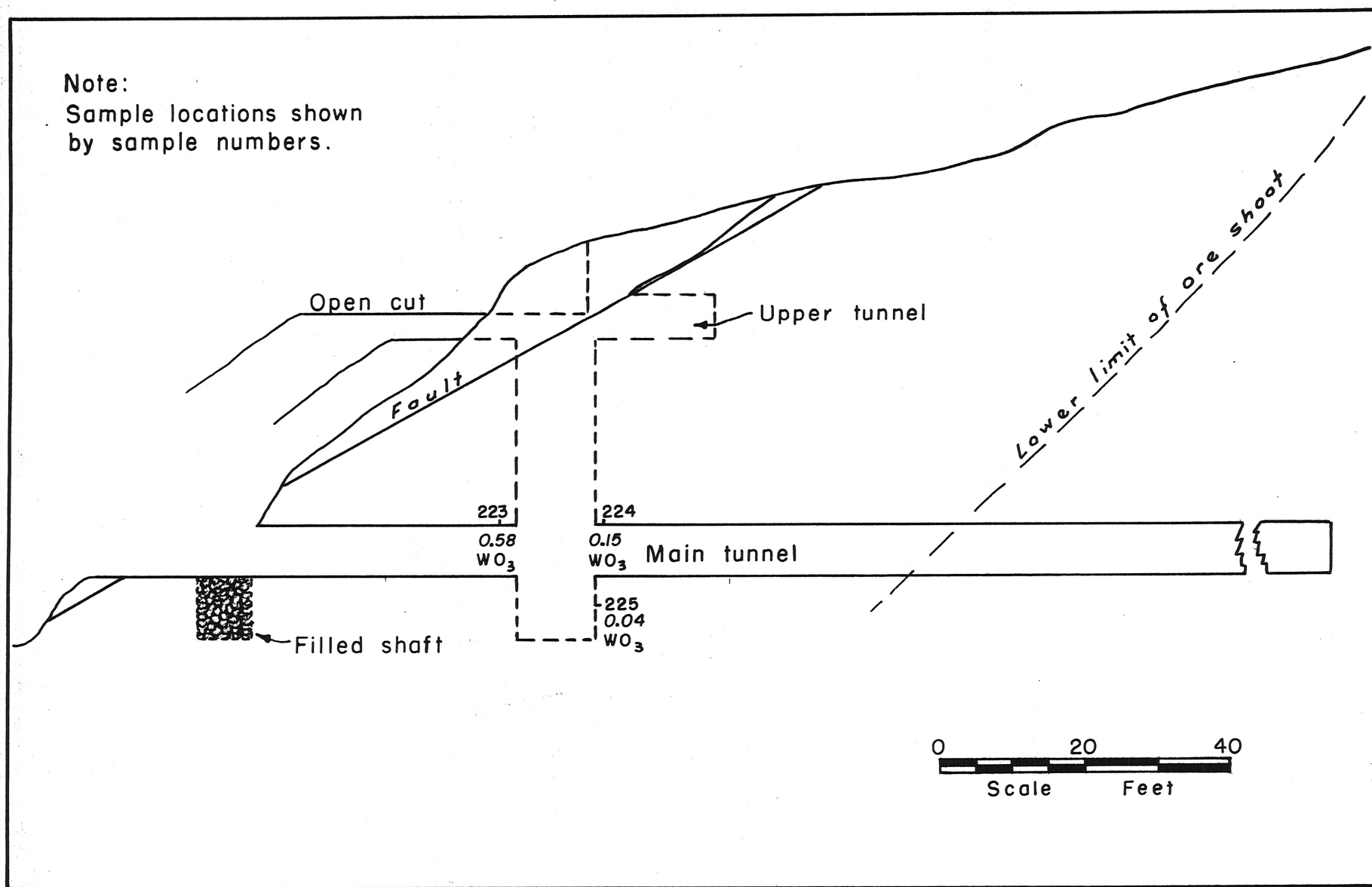


Fig. 14 Longitudinal section at main tunnel, Harper mine, upper tunnel and open cut projected.

COCHISE - Table Records

NUMBER 120	FILE F	CONT 0	CONT1 N	PRNAME HARPER MINE					
ALTNAME1 RINCON CLAIM				ALTNAME2 SOUTHWEST TUNGSTEN COMPANY					
ALTNAME3				ALTNAME4					
ALTNAME5				ALTNAME6					
CURSTAT PAST PRODUCER		MNAME MILLER PEAK - 7.5 MIN			NLATDEG 31		NLATMIN 23		
NLATSEC 51	WLONGDEG 110	WLONGMIN 21	WLONGSEC 10	TOWN 23 S	RANGE 20 E	SECTION 30	QUARTER S2	COM1 AU	
MOD11 LODE	COM2 AG	MODI2	COM3 W	MODI3	COM4 CU	MODI4 SULFIDE			
COM5	MODI5	COM6	MODI6	COM7	MODI7				
PB									
BIB1									
ADMMR HARPER MINE FILE									
BIB2									
KEITH, S.B.,1973, INDEX MINING PROPERTIES IN									
BIB3									
COCHISE CO., AZ: AZBM BULL. 187, P. 65									
BIB4									
DALE,V.B.,ET.AL.,1960, TUNGSTEN DPSTS COCHISE									