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Phoenix, AZ 85007
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inquiries@azgs.az.gov

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 08/29/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HONDA BOW GROUP

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 674

LOCATION: TOWNSHIP 6 N RANGE 3 E SECTION 18 QUARTER S2
LATITUDE: N 33DEG 51MIN 40SEC LONGITUDE: W 112DEG 05MIN 27SEC
TOPO MAP NAME: NEW RIVER SE - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
- ZINC
- COPPER
- GOLD
- SILVER

BIBLIOGRAPHY:

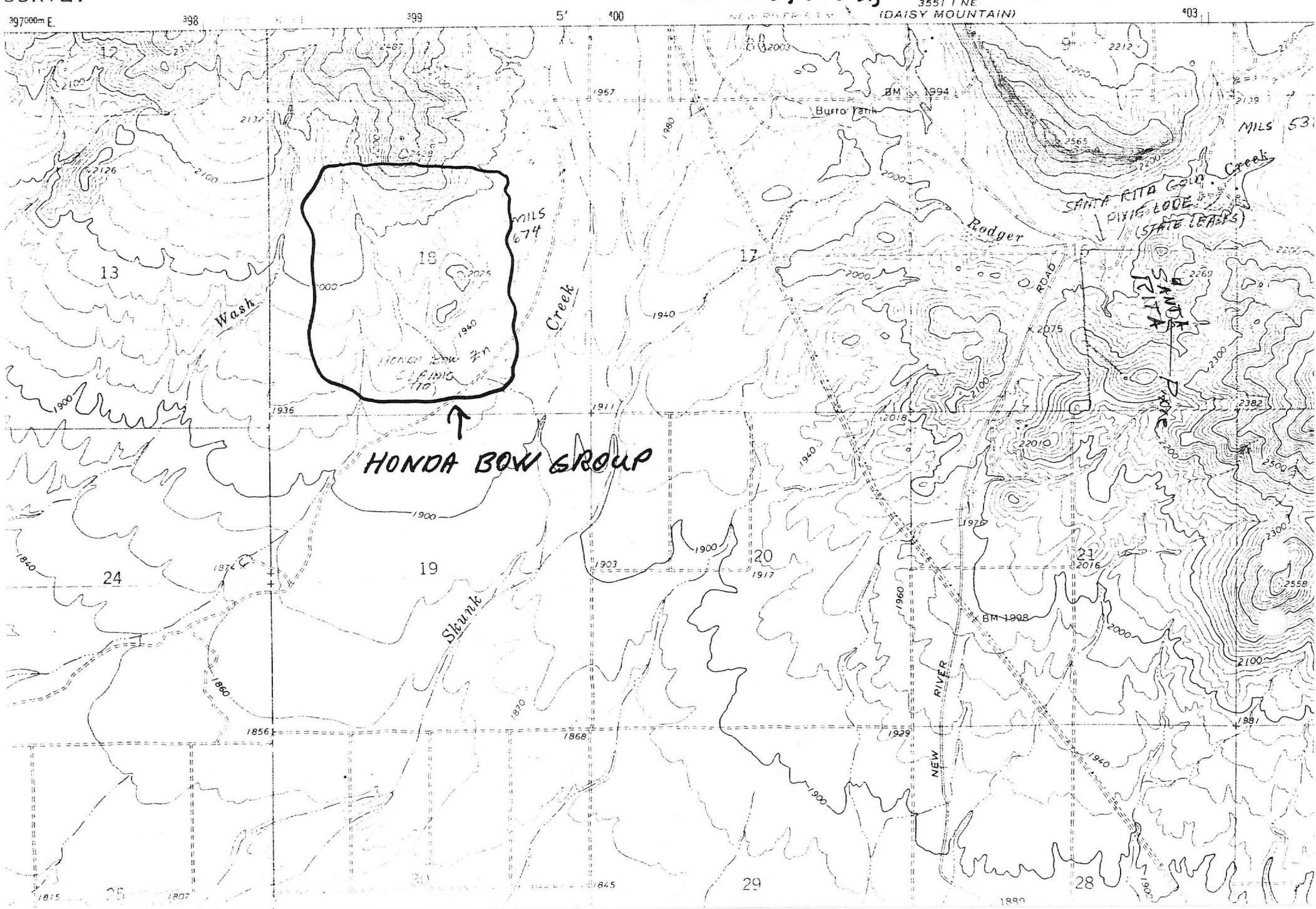
ADMMR HONDA BOW GROUP FILE

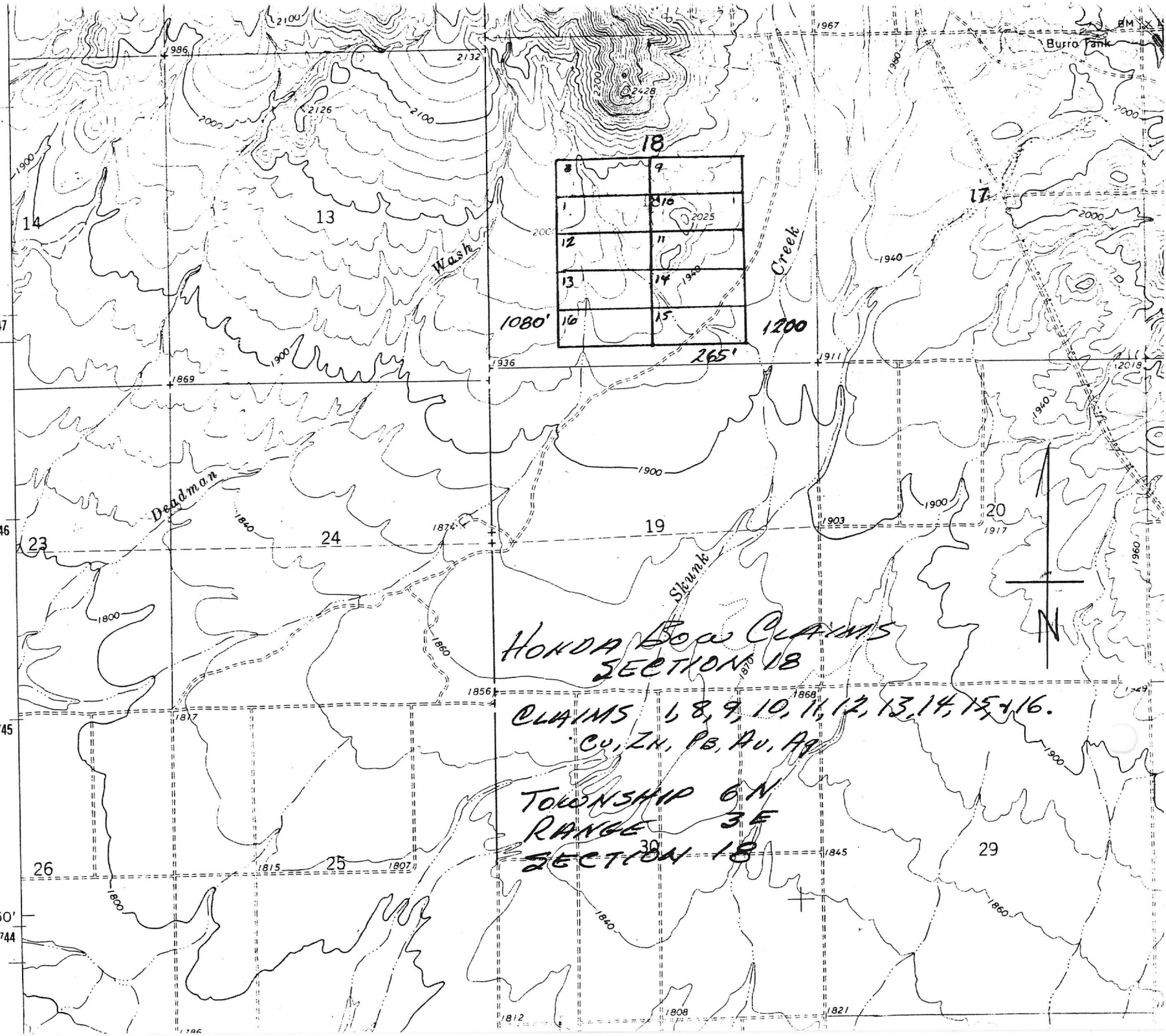
NTES
HE INTERIOR
SURVEY

HONDA BOW GROUP

NEW RIVER SE 7½' QUAD

SEC. 18, T. 6N., R. 3E. G+S.R. B.+M.




HONDA BOW CLAIMS
SECTION 18
CLAIMS 1, 8, 9, 10, 11, 12, 13, 14, 15, + 16.
Cu, Zn, Pb, Au, Ag
TOWNSHIP 6N
RANGE 3E
SECTION 18
1080'
1200
265'
18
17
14
13
23
24
19
20
26
25
30
29
Deadman
Wash
Skunk
Creek
Burro Tank
3748000m.N.
3747
3746
3745
3744
50'
N

HONDA BOW GROUP Maricopa County

KAP WR 1/15/82: Jim Boyle brought in samples from his two Honda Bow claim group and mine owners reports. The reports will allow the separation of data on the same named, but separate claim groups into two mine files.

KAP WR 14/87: Jim Boyle (card) temporary phone 242-6275, called and reported he is divorced and as part of the property settlement has become sole owner of his mining claims and State permit. (Honda Bow - file, Maricopa County) He went on to report that he has been prospecting some free gold bearing stringers along a diorite sill on the Santa Rita Claim. One surface specimen contained a "nugget of gold" the size of a grain of wheat in a matrix of quartz with pyrite partially altered to limonite. He feels the deposit has a sufficient amount of acid soluble copper to either set up a small acid leaching operation or to ship to a smelter or to be developed by someone else. He needs our help in determining a potential reserve and has so requested.

RRB WR 12/18/87: Jim Boyle (card) was in to discuss the possiblility of leaching oxide copper at the Honda Bow Group (file) Maricopa County. He said that he had some chrysocolla, so I suggested that he watch for gem quality chrysocolla and contact mineral dealers. He now is planning to work the gold placers on the property and try to interest someone else in the oxide copper possibilities. I will visit property with him in January.

Jim Boyle
2013 W. San Miguel Ave.
Phoenix, AZ. 85015
(602) 242-6275

Jamie N. Boyle
3744 W. Angela Dr.
Glendale, Arizona 85308

August 31, 1981

State of Arizona
State Land Department
1624 W. Adams
Phoenix, Arizona

Gentlemen,

Please refer to my application to lease one twenty acre mining claim located T6N, R3E, Sec. 16, N½SWSE.

I have inclosed an affidavit supporting the validity of the assays submitted August 12, 1981 as proof of discovery as requested.

Assays 108A and 108B were taken from the Hammond Shaft at a point closest to the intersect of the iron chloride shear zone and the quartz vein. 108C was taken from the east end of the claim and intended to show continuation of mineralization occuring on the adjoining State Lease no.4417 that I hold. A total of three assays have been made from this mineralized zone:

Lab no.8967	Silver 1.10 oz./ton
Lab no.2867 origional	Gold .27
Lab no.2867 revised	Copper 2.6%

A copy of the corrected assay is inclosed.

The Plan of Operation and Reclaimation Plan is attached as requested.

Yours truly,

Jamie N. Boyle

Jamie N. Boyle

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Mr. J. N. Boyle
3744 West Angela Dr.
Glendale, AZ. 85308

Date August 11, 1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
2867	#108A	6.1					
	#108B	1.7					
	#108C			2.6%			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Jamie N. Boyle
3744 W. Angela Dr.
Glendale, Arizona
85308

August 25, 1981

State of Arizona
State Land Department
1624 W. Adams
Phoenix, Arizona

Gentlemen,

Assays number 108A, 108B and 108C were submitted to you August 12, 1981 as "Proof of Discovery" for the purpose of obtaining a mineral lease on land administered by the State Land Dept. located T6N, R3E, Section 16, N½SWSE. To substantiate that the above samples were cut from mineral rich veins on the above described property locally known as the old Hammond Claim the following signatures are submitted as proof. Both are Prospector/Geologists familiar with the claim.

Affidavit:

I submit that on July 11, 1981 I did accompany Jamie N. Boyle on the above mentioned claim and assisted or observed the gathering of mineral samples collected for the purpose of determining value of mineralization. It has been represented to me and I believe that assays number 108A, 108B and 108C are of the exact same samples described in Arizona Testing Laboratories Lab No. 2867 Assay Certificate.

Signed Bill C. Waldeck
P.O. Box 584
Cave Creek, Ariz. 85331
488-3780

Signed Robert W. Evans
2013 W. San Miguel Ave.
Phoenix, Az. 85015
242-6275

Respectfully submitted,

Jamie N. Boyle

Jamie N. Boyle

PLAN OF OPERATION

Honda Bow Mining Claim no. 108.

1. Mining operations will be conducted by myself and for my benefit.

Jamie "Jim" N. Boyle
3744 W. Angela Dr.
Glendale, Arizona 85308

Work phone 866-3611
Home phone 938-1333

2. Topographic map detailing:
   a) Current means of access. Single lane dirt road as shown.
   b) Proposed means of access. Same as shown except for last 100 foot shifted to north side of vein.
   c) Size of area where surface resources will be disturbed. An oval area approximately 150' X 200'.

3. Mining operation.

   Mining operations will commence upon receipt of final issue of mining lease. Innitial activities will be to develop a Flow Sheet of the vein material to be mined. At the same time surface structures will be mapped.

   On completion of the above rudimentary equipment will be acquired and the operation will swing into a full time activity. Employment will be minimal yet sufficient to meet Safety Codes.

   Standard underground mining methods will be used. The square set collaring the Hammond Shaft will be reset to follow the iron/quartz intersect on an approximate 70 degree dip. Positioning of the shaft will be to cover the acute angles of the contact.

4) Description of other facilities.

   During 1982 a non burnable tool shed and guard shack will need to be constructed near the mine shaft and within the area of disturbance. In addition a chain link fence will need to inclose the working area. Vandalism is a serious problem in the area and positive measures must be allowed to make any operation feasible. All improvements would be within the preposed area of disturbance shown on the attached map.

5) Means of transportation.

   Innitially a one ton pickup will be the only vehicle used. As the operation increases in activity a Bobcat will be used. Eventully a ten ton duel wheeled dump truck will be brought in.

6) Estimated period of activity..

Activity will commence upon issue of this lease and continue so long as prices hold, value of mineralization sufficient to support the operation or until the lease expires.

7) Damage to vegetation.

There are two large Saquaro cactus in the area one which has been damaged by lightning the other a remarkably beautiful plant. Neither will be bothered unless absolutely necessary at which time the proper authority will be petitioned.

Additionally there are approximately 12 Palo Verde trees six to twelve feet tall in the area. Some will have to be destroyed but most will be saved for their shade and cover.

There are approximately 24 Palo Verde trees that are less than three feet tall growing in the working area on the tailing pile. These will be transplanted and nurtured to recovery as soon as weather permits to strategic positions.

Other ground cover such as Cholla, Barrel, Stag Horn, Fish Hook, Ocotillo will be transplanted at the proper season ahead of the advancing tail pile.

8) Description of equipment.

All moving equipment will be small and rubber tired such as listed in Item 5 above. In addition to vehicles listed there will be portable air and electrical generating equipment all rubber mounted.

Processing equipment has not yet been determined but a small crusher and a hydraulic table are reasonably certain. Hopefully acid leaching solutions will not be required. In the event that they are off sight processing will be developed.

9) Reclamation plan.

Reclamation will be an on-going project collecting and building topsoil, propigating plants, seasonally planting and nuturing plants and moving plants. Timing will be continual on a day to day basis adjusted to the seasons.

10) Statement.

The topographic map attached shows the location of the main operating shaft. The old timers placed the shaft in a saddle on the east side of a prominance essentially hiding it from the view of New River road. With a little planning small buildings, a head frame and an emmense tail pile could remain hidden from highway traffic.

THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

ARIZONA BUREAU OF MINES TEL. (602) 884-2733

February 28, 1975

Mr. James Boyle
9827 North 11th St.
Phoenix AZ 85020

Sample No. 2262

Dear Mr. Boyle:

This will continue our letter to you dated December 30, 1975.

A representative sample of the oxide copper ore you sent was assayed for total copper and oxide copper; results, 6.26% total and 5.1% oxide.

A ten-day leach at room temperature of minus quarter-inch feed to a 20-inch leaching column resulted in a 71.5% extraction, with an acid consumption of approximately 52 pounds of commercial concentrated sulphuric acid per ton of ore. Seventy-one and a half percent of the total copper represents 88% of the oxide copper.

LEACH TIME	START	2 HRS.	10 HRS.	24 HRS.	48 HRS.	120 HRS.	240 HRS.
ACID ADDED, #/T	#20	30	35	40	45	50	52
COPPER EXTRA %	0	N/A	52	61	66	70	71.5
% OF OXIDE COPPER	0	N/A	73	75	81	86	88

If the 5-lb. sample delivered to us is representative of the several thousand tons of dump material you state is available, you may wish to discuss the matter further.

I would suggest you may consider a heap leach but a great deal will depend upon the location, preparation and permission to establish a leaching pond, and the vat, and availability of acid and shredded iron for precipitation of the dissolved copper. I don't believe you really want to use any specialized pressure system (ref., your letter of last December) or agitation or even vat leaching. Treat your ore in the least expensive way possible with the least capitol for plant outlay. Remember, you are not in the business of making copper, you are in the business of making money. One of your major problems may be to find a buyer for your cement copper.

There is enclosed a list of references you may already have on hand regarding leaching in general. You, at one time I believe, expressed an interest in gold placers and gold leaching.

The total charge for assays and test work amounts to thirty dollars ($30.00). Please remit payment to the Arizona Bureau of Mines. Thank you.

If there are questions, or if can be of further service, please let me know.

Very truly yours,

David D. Rabb

David D. Rabb
Metallurgist

DDR:mv
Enclosure
CC: Dr. Dresher
Mr. Rudy

October 6, 1972

Mr. A. K. Doss
State of Arizona Land Dept.
1624 West Adams Street
Phoenix, Arizona 85007

Dear A.K.:

Regarding our phone conversation earlier this week, I wish to elaborate to some extent on my impressions of the mineralization on the SE/4, Sec. 16, T6N, R3E.

The area is underlain principally by schist whose foliation strikes northeasterly with considerable variation. Near the central-eastern part of the land a highly altered granitic rock has intruded the old schist. This intrusive rock has a topographic expression of perhaps 100 feet above the valley in which the schist crops out. Sulfide mineralization, mainly pyrite, occurs sparsely but through-out the schist, and ocassionally at intersections of small NW striking fractures with the foliation in the schist oxide Cu minerals are found. On the two hills consisting of the intrusive rock are a large number of small, old excavations made on N40°-60°W fractures or shears which contain in some cases, considerable oxide Cu minerals in widths up to 3 and 4 feet. On the northwest side of the larger hill is an old shaft, caved at the collar, which must be a few hundred feet deep as evidenced by the size of the dump. This dump material is apparently all the altered intrusive granitic rock with here and there pieces containing copper mineralization. So far I have been unable to find any information in our files regarding this shaft.

About 1½ miles a little north of west of these two hills, a water well was drilled recently which contained a large amount of pyrite in altered schist from 140 feet to 360 feet. As previously mentioned the outcropping schist in the area between the well and the hills of intrusive rock has sparce sulfide mineralization. Mr. Boyle says there was considerable pyrite encountered in a 70 foot water well near Burro Tank, which is about 3/4 miles NW of the SE/4 Sec 16.

It is my feeling that because of the extensive, though slight, mineralization of such a large area there could be a major ore deposit here. I have suggested this district to the McIntyre-Porcupine Company geologist, Mr. William Laughlin who has made a reconnaissance and promises to return.

Thanks for your indulgence.

Hasta luego,

Glen Walker
Field Engineer

GW:m

COPY

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Jim Boyle

   Address: 9827 N. 11th St., Phoenix 85020

2. Mine: Honda Bow Group 3. No. of Claims - Patented ____ Unpatented 10

4. Location: See portion of New River SE7½ Quadrangle

5. Sec 18 Tp 6N Range 3E 6. Mining District New River, Maricopa County

7. Owner: Jim Boyle

8. Address: Same as above

9. Operating Co.: ____

10. Address: ____

11. President: ____ 12. Gen. Mgr.: ____

13. Principal Metals: Zinc, Copper, Au, Ag 14. No. Employed: ____

15. Mill, Type & Capacity: ____

16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☒
    (d) Production ☐ (e) Rate ____ tpd.

17. New Work Planned: Promotion of property to an exploration firm after data has been assembled in a presentable form.

18. Miscl. Notes: Reported NNW trending mineralization in pre-Cambrian meta volcanics. Limited drilling has some zinc mineralization. One sample of core supposedly assayed 7.0% zinc.

Date: 12/30/81

Ken A. Phillips
(Signature) (Field Engineer)

cc: Tucson Office

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Jim Boyles
   Address: IN FILE?
2. Mine: Honda Bow Group 3. No. of Claims - Patented
   Unpatented 10
4. Location: See Portion of New River SE 7½' Quadrangle
5. Sec 18 Tp 6N Range 3E 6. Mining District New River, Maricopa County
7. Owner: Jim Boyles
8. Address:
9. Operating Co.:
10. Address:
11. President: 12. Gen. Mgr.:
13. Principal Metals: Zinc, Copper, Au Ag 14. No. Employed:
15. Mill, Type & Capacity:
16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☒
    (d) Production ☐ (e) Rate tpd.
17. New Work Planned: Promotion of property to an exploration firm after data has been assembled in a presentable form.
18. Miscl. Notes: Reported NNW trending mineralization in pre Cambrian meta volcanics. Limited drilling has seen zinc mineralization. One sample of core supposedly assayed 7.0% Zinc

Maricopa M125 674

Date: Dec 30, 1981

Ken A. Phillips
(Signature) (Field Engineer)

MINE AND PROSPECT FIELD VISIT DATA SUMMARY

Sheet 1 of 3

COMMODITIES Gold, Silver, Copper Zinc

MILS ID No. _____ DATE _____

ENGINEER _____

INFORMATION FROM: Jim Boyle, owner

PROPERTY SUMMARY

I. MINE NAME Honda Bow Claims (Section 18)

OTHER POSSIBLE NAMES _____

II. LOCATION: T 6N R 3E SEC(S) 18 MINE DISTRICT New River

ELEV. 1940 COUNTY Maricopa TOPO QUAD. New River S.E. Az.

DIRECTIONS North on I 17 exit east on Carefree Hy. then north 4½ miles to Honda Bow Road. East 1 mile to corner (NE) of section 18. MAP ATTACHED Yes.

III. OWNERSHIP: NAME Jamie N. & Marietta Boyle PHONE 938-1333

ADDRESS: 3744 W. Angela Dr.
Glendale, Az. 85308

COMPANY NAME _____

PERTINENT PEOPLE Same

IV. PROPERTY AND HOLDINGS: 10 each 20 acre claims - See map.

V. HISTORY: FIRST LOCATED: 1970 OPERATED BY J. Boyle

DISCUSSION There are no workings on these claims except for several cuts done by myself.

VI. PAST PRODUCTION NONE

DISCUSSION: THIS IS A NEW FIND AND REMAINS TO BE DEVELOPED.

VII. CURRENT STATUS: AVAILABLE FOR DEVELOPMENT.

VIII. WORKINGS: NONE

IX. GEOLOGY: DEPOSIT TYPE: STRATA BOUND Cu-Zn-PB VEIN STRIKE: NW TO SE SW TO NE

LENGTH: 1 MILE WIDTH: 1 MILE DIP: SW AGE: PROTEROZOIC

HOST ROCK: BASALT ANDESITE RHYOLITE AGE: PRECAMBRIAN ORE: Cu Zn Pb

CONTROL: FOLDING AND STRESS WARPING

COMMENTS: SEE "THE PRECAMBRIAN MASSIVE SULFIDE DEPOSITS OF ARIZ - A DISTINCT METALLOGENIC EPOCH + PROVINCE" BY PHILLIP ANDERSON AND JOHN M. GUILBERT, DEPT. OF GEOSCIENCES, UNIVERSITY OF ARIZONA.

X. MINEROLOGY: ECONOMIC MINERALS: Cu, Zn, Pb, Au + Ag

GANGUE MINERALS: SEE ASSAYS ATTACHED

GOSSAN MINERALS: HEMATITE, LIMONITE, MANGANESE, GOETHITE

ALTERATION:

DISCUSSION: HEMATITE PSEUDOMORPHS AFTER PYRITE ARE LOCALLY ABUNDANT AND DEFINE THE GOSSAN AREA.

XI. METALLURGICAL OBSERVATIONS ZN HAS NOT SHOWN ON SURFACE ASSAYS BUT IS EVIDENT AS SPHALERITE IN A MAJOR VEIN STRUCTURE.

XII. EQUIPMENT ON SIGHT: NONE

XIII. SAMPLE DATA: SAMPLING TECHNIQUE _____

_____

_____

SAMPLES TAKEN BY: _____ NUMBER OF SAMPLES: _____

DATE: _____

DRILLING: _____ TYPE: _____ TOTAL FOOTAGE: _____

WHEN DRILLED: _____

XIV. RESERVES: PROVEN _____ DIMENSIONS _____ PROBABLE _____

DEMENSION _____ POSSIBLE _____ DEMENSIONS _____

DISCUSSION _____

_____

_____

XV. REFERENCES AND REMARKS _____

_____

AU + AG SHOW IN ALL SURFACE ASSAYS FROM TRACE AMOUNTS UP TO .02 ON AU AND 1.1 ON AG.

PLACERING IS LOCALLY PROFITABLE AT THE HIGHER GOLD PRICES IN AREAS OF CONCENTRATION.

ELECTROMAGNETIC ANOMALYS WERE OBSERVED ON CLAIM # 10 AS .50636 OERSTEDS ON THE EAST SIDE OF COYOTE HILL AND .43012 ON THE WEST SIDE.

ASSAYS ARE ATTACHED THAT CHARACTERIZE THE AREA.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR
J. N. BOYLE
9827 N. 11th St.
Phoenix, Ariz. 85020

May 3, 1973

DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
BROWN VEIN NEXT TO H.B.# 1 DISCOVERY # 6 2' DEEP SHAFT	.010	0.75					0.02
H.B.# 11 NEAR DISCOVERY MARKER KANGAROO # 7 SURFACE	.020	0.68					0.93

CHARGES $11.50

ASSAYER Walter Statler 5/3/73

Reed Engineering

1140 N. Lemon Street, Orange, California 92667

SPECTROGRAPHIC ANALYSIS

*Elements not detectable below .005%

For:

Date: JAN 10 1974

Sample No. Kangaroo @ 10'

Film No. 12

Mr. J.N. Boyle
9827 N. 11th St
Phoenix, AZ 85020

Tests Recommended:

QUALITATIVE

	Approximate Values Lbs. per ton	Value per ton	Percent
Aluminum	34	.34	1.7
Antimony			
Barium	28	.56	1.4
Beryllium			
Bismuth			
Cadmium			
Calcium	310	$3.10	15.5
Cesium			
Chromium			
Cobalt			
Columbium			
Copper			
Fluorine			
Gallium			
Gold*			
Hafnium			
Indium			
Iridium*			
Iron	54	.70	2.7
Lead			
Lithium	.06	---	.003
Magnesium	52	.26	2.6
Manganese	20	$2.00	1.0
Mercury			
Molybdenum			
Nickel			
Osmium*			
Palladium*			
Platinum*			
Potassium	6	.12	.3
Rhodium*			
Rubidium*			
Ruthenium*			
Silver			
Sodium	30	.30	1.5

	Approximate Values Lbs. per ton	Value per ton	Percent
Strontium	.4	---	.02
Tantalum			
Thallium			
Thorium			
Tin			
Titanium	6	.60	.3
Tungsten			
Vanadium	---	---	trace
Zinc			
Zirconium			

RARE EARTHS : none

	Lbs. per ton	Value per ton	Percent
Cerium			
Dysprosium			
Erbium			
Europium			
Gadolinium			
Holmium			
Lanthanium			
Lutetium			
Neodymium			
Praseodymium			
Samarium			
Terbium			
Thulium			
Ytterbium			
Yttrium			

Silicon, Water, Gases--------72.9 Percent

RADIOMETRIC ASSAY

(e) Uranium Oxide 00.00 Percent

SPECTROGRAPHIC ANALYSIS - QUALITATIVE

	Percent	Lbs. per ton
Aluminum	2.6	52
Antimony**		
Barium	.01	.2
Beryllium		
Bismuth		
Cadmium		
Calcium	2.4	48
Cesium		
Chromium	.02	.4
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Germanium**		
Gold*		
Hafnium		
Indium		
Iridium*		
Iron	9.2	184
Lead	.2	4
Lithium	.001	.02
Magnesium	.4	8
Manganese	.04	.8
Mercury	trace	---
Molybdenum		
Nickel		
Osmium**		
Palladium*		
Platinum*		
Potassium	.03	.6
Rhodium*		
Rubidium*		
Ruthenium*		
Silver		
Sodium	.8	16
Strontium	.04	.8
Tantalum		
Thallium		
Thorium*		
Tin		
Titanium	trace	---
Tungsten	trace	---
Vanadium	.003	.06
Zinc		
Zirconium		

Approximate Values

RARE EARTH ELEMENTS : none

	Percent
Cerium	
Dysprosium	
Erbium	
Europium	
Gadolinium	
Holmium	
Lanthanium	
Lutetium	
Neodymium	
Praseodymium	
Samarium	
Terbium	
Thulium	
Ytterbium	
Yttrium	

RADIOMETRIC ASSAY

(e) Uranium Oxide 0.00 Percent

Silicon, gases 84.2 Percent

ADDITIONAL TESTS RECOMMENDED

FLUORESCENCE

Short wave UV neg
Long wave UV trace-yellow

Notes:

*Elements not detectable below .05%
**Elements not detectable below .5%
Percentages are computed estimates based on film densities and are relative, not exact.

Respectfully submitted,
REED ENGINEERING