



## **CONTACT INFORMATION**

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PRINTED: 08/29/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HONDA BOW CLAIMS

ALTERNATE NAMES:  
PIXIE LODE  
SANTA RITA

MARICOPA COUNTY MILS NUMBER: 538

LOCATION: TOWNSHIP 6 N RANGE 3 E SECTION 16 QUARTER SE  
LATITUDE: N 33DEG 51MIN 38SEC LONGITUDE: W 112DEG 03MIN 07SEC  
TOPO MAP NAME: NEW RIVER SE - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:  
COPPER OXIDE

BIBLIOGRAPHY:  
ADMMR HONDA BOW CLAIMS FILE

03/08/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

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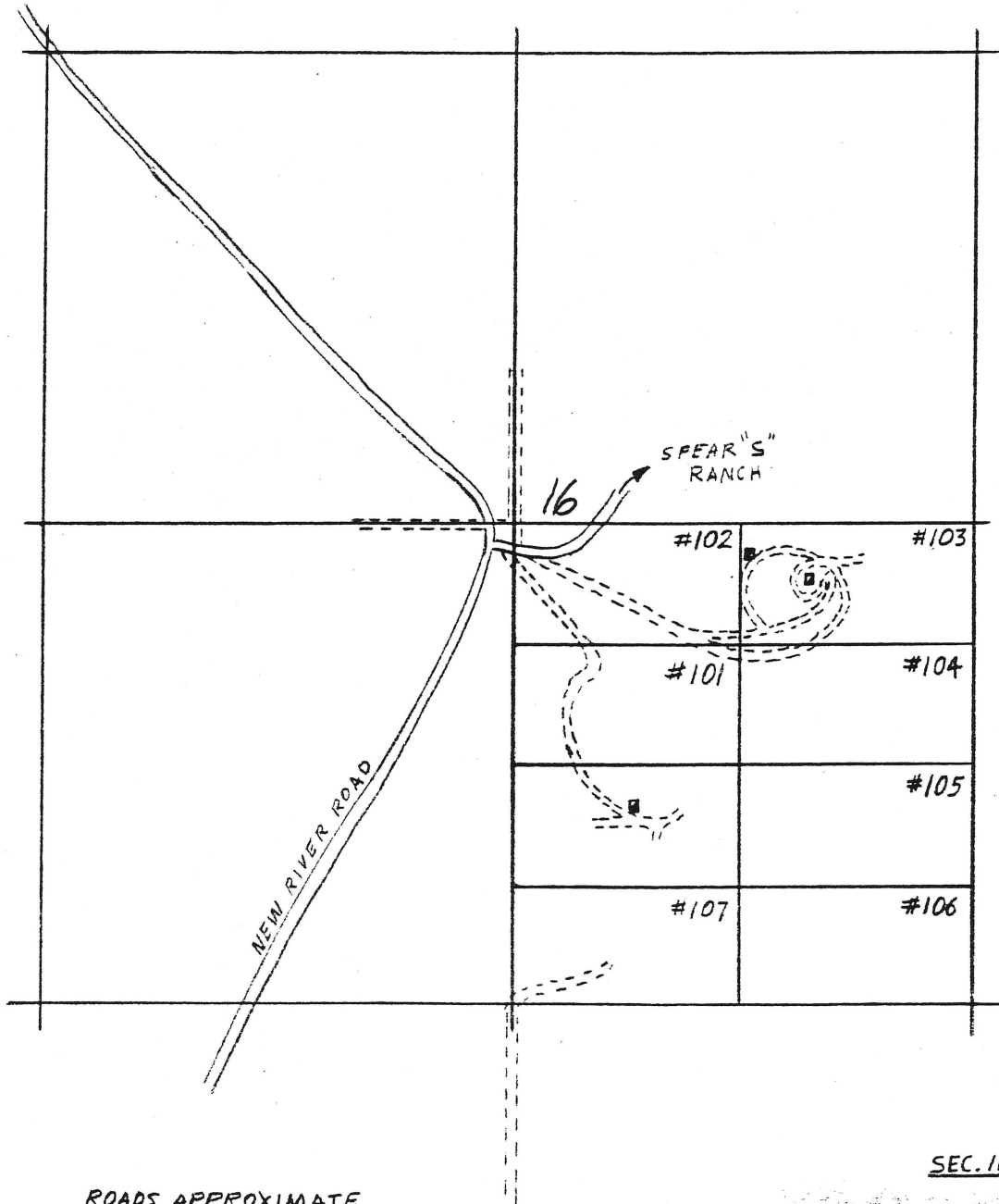
BIBLIOGRAPHY:  
ADMMR HONDA BOW CLAIMS FILE

PLAT

HONDA BOW COPPER CLAIMS

JIM BOYLE, LOCATER

SEPT 16, 1972



ROADS APPROXIMATE

SCALE 1" = 1000'

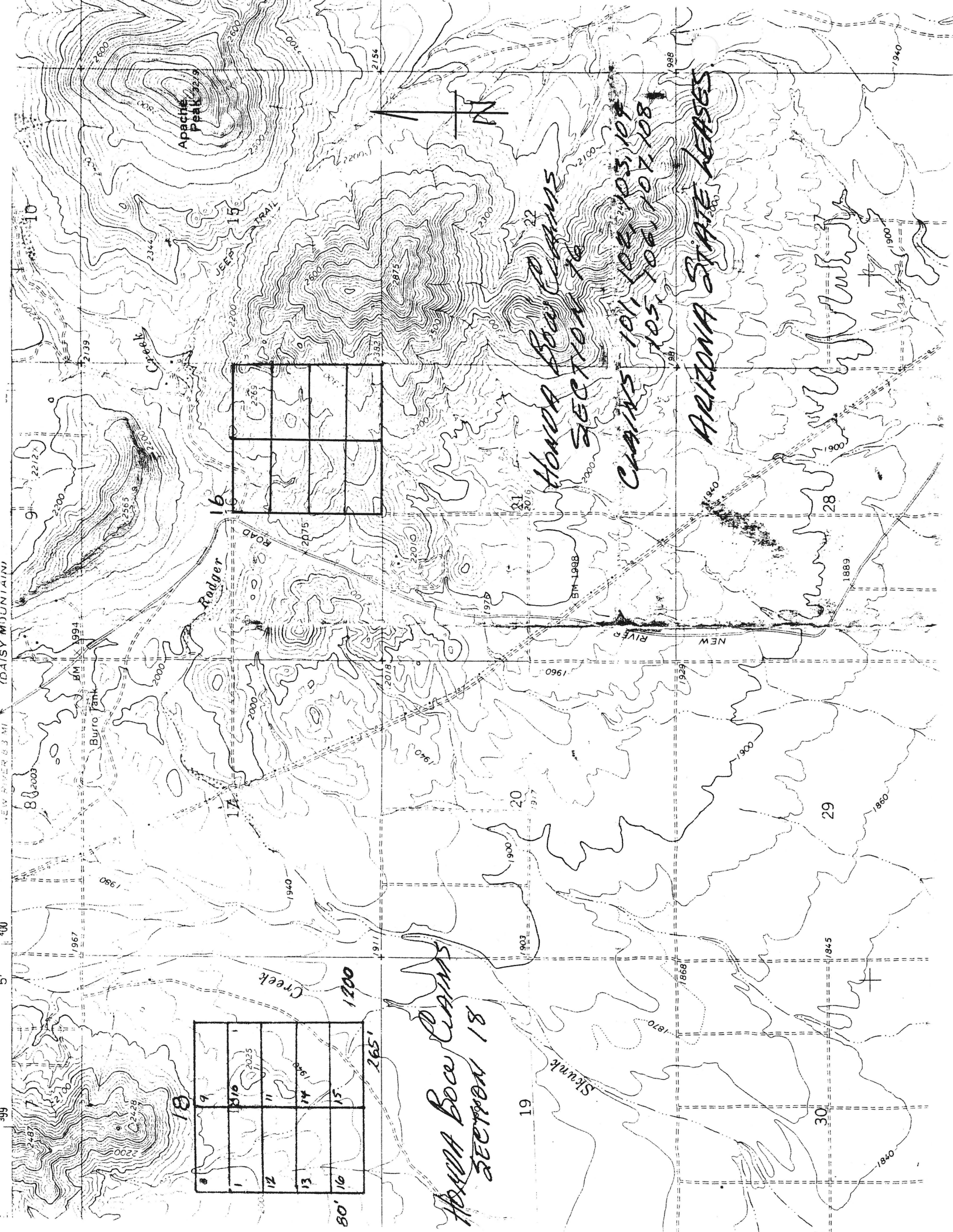
SEC. 16

T 6 N

R 3 E

N





Apache Peak 2299

JEEP TRAIL

Burro Trail

Skunk Creek

NEW RIVER

ARIZONA STATE LEASES

HONDA BOCA CHAINS  
SECTION 18

HONDA BOCA CHAINS  
SECTION 16

CHAINS 101, 102, 103, 104,  
105, 106, 107, 108

8	9			
1	10	2025		
12	11			
13	14	1998		
15				

50' 16

265'

19

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# HONDA BOW

SE 1/4, SEC. 16, T. 6 N., R. 3 E.

HONDA BOW  
(STATE LEASES)

ALSO KNOWN AS: SANTA RITA LODGE  
PIXIE LODGE

HONDA BOW

MARICOPA COUNTY

KAP WR 12/4/87: 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. (Hondo 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 possibility 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 the property with him in January.

-----

Jim Boyle called to report progress on his leaching experiment. He has dug two 1000 gallon pits in his backyard which will be lined with concrete and then epoxy resin. The tanks will hold leaching solution. He plans to use 24" diameter concrete pipes, epoxy coated inside, set vertical for leaching columns. The ore will be loaded into the pipes and the acid pumped from the dug tanks to sprinklers over the columns. Dave Rabb at the ABM conducted leaching tests which showed that 100 lbs. of copper could be recovered per ton of the typical 6.25% oxide ore by exposing the ore to a 10 hour sulfuric acid leach. The ABM charged \$30 for the tests. If the backyard pilot experiment is successful, he will erect a larger operation on the mining property. In addition to his Honda Bow claims in Secs. 16 & 17, T6N, R3E, he has two state leases #4418 in S $\frac{1}{2}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$  and #4419 in S $\frac{1}{2}$ , SW $\frac{1}{4}$ , SE $\frac{1}{4}$  both in Sec. 16, T6N, R3E. KAP WR 5/16/75

---

Jim Boyle, Phoenix, called to report the greenish mineral in the specimen he had examined by ABM was chlorite. However, he said he's proceeding with the exploration of the tuff and wanted to contact Kerr-McGee Corp. GW WR 8/2/76

---

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.

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KAP WR 5/7/82: Jim Boyle reported he has received the lease on his Honda Bow Mine in Sec. 16, T6N R3E.

---

KAP WR 7/16/82: Jim Boyles reported he is doing some very simplified process evaluation work on test lots of his Honda Bow Mine ores.

---

NJN WR 11/1/85: Jim Boyles (c) visited and reported he continues to work the Pixie Lode (c) in the SE $\frac{1}{4}$  of Sec 16, T6N R3E (Honda Bow Mine - file, Maricopa County.) He describes the occurrence as narrow free gold quartz veins and breccias hosted in precambrian metasediments (schist) possible controls of the mineralization are intrusive diorite dikes and small displacement faulting. He has sunk a shaft over which he has erected a steel headframe. He mines ore on a solo intermittent basis and after careful selection of ore has others custom mill it.

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HONDA BOW CLAIMS

MARICOPA  
S16, 17 T6N R3E

Went with Jim Boyle to his 4 unpatented Honda Bow copper claims 6 miles SE of New River. Here oxide Cu mineralization occurs along the foliation of the schist which strikes N70-80°E. The main concentrations appear at cross-fractures striking N50-60°W. In places the mineralization at these intersections is up to 2½ feet thick. Mr. Boyle has dug several shallow pits on the claims at points where he has found the better looking outcrops. The area in general is quite flat and is within a ½ mile (east) of Bruce Law's "pyrite" well. Mr. Boyle showed an area consisting of 2 hills about 1 mile to the SE of his claims on which there are a number of excavations on Cu oxide showings. Near the foot of the southerly most hill is a vertical shaft apparently several hundred feet as indicated by the much pile. On both these hills the slight Cu mineralization occurs in a hydrothermally altered light colored intrusive rock. Due to the extensive although light mineralization this general area appears to warrant a more thorough examination. GW WR 9/9/72

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Jim Boyle called to say he had yesterday examined some of the well cuttings from the Burro Tank water well and found pyrite in them. He will bring a sample of them to the office. The well is near his claims about 6 miles SE of New River. GW WR 9/11/72

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Jim Boyle, Honeywell engineer, called to report some new finds of mineralization on his Cu prospect 8 miles SE of New River. GW WR 10/10/72

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Mr. James Boyle, Phoenix, called to report on the progress of work on his copper prospect near New River. He had dug several shallow holes on mineralization in the flat and cleaned out all the old adits on the state lease. GW WR 2/6/73

---

Jim Boyle, Phoenix, called to briefly discuss some of the literature sent him on Cu leaching. He is going to conduct a small scale leaching experiment on his deposit SE of New River. GW WR 1/3/75

---

Jim Boyle, Honeywell plastics engineer, came in to report on his Cu leaching experiment on ore from his State lease 7 miles SW of New River. GW WR 1/24/75

---

Jim Boyle of Phoenix is reported planning to conduct a small - scale copper leaching experiment on his deposit southeast of New River. PAY DIRT for January 27, 1975



Sheet 1 of **2**COMMODITIES GOLD, COPPER

MILS ID No. \_\_\_\_\_ DATE \_\_\_\_\_

ENGINEER \_\_\_\_\_

INFORMATION FROM: Jim Boyle, ownerPROPERTY SUMMARYI. MINE NAME HONDA BOW CLAIMS (SECTION 16)OTHER POSSIBLE NAMES SANTA RITA MINE (MARICOPA Co.)II. LOCATION: T 6N R 3E SEC(S) 16 SW 1/4 MINE DISTRICT NEW RIVERELEV. 2300' COUNTY MARICOPA TOPO QUAD. NEW RIVER S.E.DIRECTIONS NORTH ON I 17 EXIT EAST ON CAREFREE HY.THEN NORTH 4 MILES TO GREER'S SPEAR S RANCHENTRANCE WHICH IS NW CORNER OF CLAIMS. MAP ATTACHED YESIII. OWNERSHIP: NAME JAMIE N. + MARIETTA BOYLE PHONE 938-1333ADDRESS: 3744 W. ANGELA DR.GLENDALE, ARIZ. 85308

COMPANY NAME \_\_\_\_\_

PERTINENT PEOPLE SAMEIV. PROPERTY AND HOLDINGS: 8 20 ACRE CLAIMS COVERING SE 1/4  
SECTION 16. THESE ARE ARIZONA STATE MINERAL  
LEASES.V. HISTORY: FIRST LOCATED: 1907? OPERATED BY ?DISCUSSION THIS IS THE OLD SANTA RITA MINE HELD  
BY A VARIETY OF PEOPLE OVER THE YEARS.

VI. PAST PRODUCTION ? THERE ARE SEVERAL DRIFTS AND SHAFTS AND REMAINS OF AN OLD SMELTER NEAR BY. THE

DISCUSSION: DEEPEST SHAFT HAS BEEN FILLED UP TO THE WITHIN 43' OF SURFACE.

VII. CURRENT STATUS: PRESENT OWNER PLANS TO START WORK ON THE PIXIE LOGE

VIII. WORKINGS: SEVERAL

IX. GEOLOGY: DEPOSIT TYPE: CONTACT METAMORPHISM VEIN STRIKE: EAST - WEST 10° E OF NORTH NW TO SE

LENGTH: 300' 1500' WIDTH: 4" 20 TO 40' DIP: 0° AGE: \_\_\_\_\_

HOST ROCK: RHYOLITE AGE: \_\_\_\_\_ ORE: \_\_\_\_\_

CONTROL: MINERALIZATION APPEARS TO BE AN UPTHrust FROM

COMMENTS: THE SKUNK CREEK VALLEY FLOOR AGAINST A GRANITE BASE. A GRANODIORITE(?) INTRUSIVE WEAVES IT'S WAY THROUGH THE MINERALIZED AREAS.

X. MINEROLOGY: ECONOMIC MINERALS: AU, CU, AG

GANGUE MINERALS: RHYOLITE - SCHIST

GOSSAN MINERALS: ABUNDANT

ALTERATION: \_\_\_\_\_

DISCUSSION: \_\_\_\_\_

XI. METALLURGICAL OBSERVATIONS AU AND AG ARE IN ALL ASSAYS.

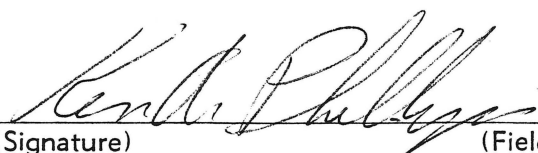
THEY ARE MOST ABUNDANT IN QUARTZ VEINS THAT INTERSECT WITH IRON STAINED HYDROTHERMAL SHEARS.

XII. EQUIPMENT ON SIGHT: NONE

**ARIZONA DEPARTMENT OF MINES & REOURCES**  
**Mineral Building, Fairgrounds**  
**Phoenix, Arizona**

1. Information from: Jim Boyle  
Address: 9827 N. 11th Street, Phoenix 85020
2. Mine: Honda Bow (Santa Rita, Pixie Lode) No. of Claims - Patented \_\_\_\_\_  
Maricopa MILS # 538 Unpatented \_\_\_\_\_
4. Location: See portion of New River SE 7½ Quadrangle
5. Sec SE¼ 16 Tp 6N Range 3E 6. Mining District New River, Maricopa Cnty.
7. Owner: Jim Boyle
8. Address: \_\_\_\_\_
9. Operating Co.: \_\_\_\_\_
10. Address: \_\_\_\_\_
11. President: \_\_\_\_\_ 12. Gen. Mgr.: \_\_\_\_\_
13. Principal Metals: Gold, Copper 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: Continued exploration and prospecting by trenching and  
sampling.
18. Misc. Notes: Reported he is prospecting a generally parallel series of  
quartz veins which trend NW-SE. Gold assays have run from nothing to 3 oz.  
Quartz veins are in pre Cambrian rocks.

Date: 12/30/81

  
(Signature)

(Field Engineer)



## AR AZONA DEPARTMENT OF MINES &amp; RESOURCES

Mineral Building, Fairgrounds

Phoenix, Arizona

1. Information from: Jim Boyles  
Address: In File?
2. Mine: Honda Bow (AKA Santa Rita Pine hole) 3. No. of Claims - Patented \_\_\_\_\_  
Unpatented \_\_\_\_\_
4. Location: See portion of New River SE 7 1/2' Quadrangle
5. Sec SE 1/4 16 Tp 6 N Range 3 E 6. Mining District New River, Maricopa Co.
7. Owner: Jim Boyles
8. Address: \_\_\_\_\_
9. Operating Co.: \_\_\_\_\_
10. Address: \_\_\_\_\_
11. President: \_\_\_\_\_ 12. Gen. Mgr.: \_\_\_\_\_
13. Principal Metals: Gold, Copper 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: Continued exploration and prospecting by trenching and sampling.
18. Misc. Notes: Reported he is prospecting a generally parallel series of quartz veins which trend NW-SE. Gold assays have run from nothing to 3 oz. Quartz veins are in pre-Cambrian rocks.

Date: Dec 30, 1981

(Signature)

(Field Engineer)

Maricopa MILS 538

DEPARTMENT OF MINERAL RESOURCES

Daily Log—Field Engineers

Date 12-8-78

Expenses Meals

Lodging (Receipt)

Misc.

Total

Meter

Time of Depart.

Meter

Time of Arrival

Miles

Santa Rita

Claim

3 - 2" stringers  
 + 9' long quartz  
 carrying veins up  
 to 26'

Stringers about  
 12" apart.

3' - about 400'

strikes at 10° E

Dip Vert.

Signed

11/2' F.W. Porphyry



# 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, #20 #/T	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.

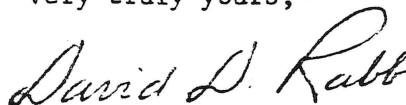
Page Two.

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,

A handwritten signature in cursive script that reads "David D. Rabb".

David D. Rabb  
Metallurgist

DDR:mv

Enclosure

CC: Dr. Drescher

Mr. Rudy

Date Printed: 01/21/93

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

Information from: Office visitor

Company:

Address:

City, State ZIP:

Phone:

MINE: Apache Springs Group

ADMMR Mine File: Honda Bow Claims

County: Maricopa

AzMILS Number: 538

SUMMARY

An exploration geologist was in to review a number of files on properties of interest. One was the Apache Springs Group in the SE, Sec. 16, T.6N., R3E. This corresponds to our Honda Bow Claims file, Maricopa AzMILS 538. He provided a copy of his notes made from data in the Anaconda Files at the Heritage Center in Wyoming.

Ken A. Phillips, Chief Engineer      Date: Jan. 21. 1993

Ancude #13258

Apache Springs Group - Maricopa County (near Ave Creek)

New River SE  $7\frac{1}{2}'$  Sec 16 T4N - R3E

Domin grey quartzite

Apache Claims - (Fm Sunnyslope stoplite N on Ave creek Rd 19.0 mi to Cave Creek Road sign. West, keep left at 0.3 mi junction;

continue  $\pm 3$  mi to S ranch sign, turn right for  $\pm 0.3$  mi to

Apache claims on E. side of Rd)

Domin Bl-grey siltst

South Rita claims - ( $\pm 4.7$  mi W of Cave Creek Rd, turn N  $\pm 1.5$  mi to ruins of (Sec 2C) wooden house, claims on hill side)

Apache Mts w/ assays of 0.1 Ag (GZ)  $\pm$  Cu at 1-4.7%

all oxidized Hematite + Magnetite  $\pm$  MnO<sub>2</sub>  
Quartz spotted w/ white (bleached)  $\pm$  Ox  $\pm$  gray quartzite

9 sample (Shu 1953)  $\%Cu$   $Mn(GZ)$   $Ag(GZ)$

1.88 Tr 0.08

3.67 Tr 0.12

0.32 Tr 0.08

1.00 Tr 0.08

4.75 .005 0.15

0.25 Tr .04

11.90 .003 2.50

3.08 Tr 0.82

18.11 .005 1.58

A-A

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

Date 12-3-78

1. Mine: Santa Rita
2. Location: Sec. Twp. 7 N Range 3 E Nearest Town Cave Creek  
Distance Direction Road Condition 6 a.c.
3. Mining District & County: New River, Maricopa
4. Former Name of Mine: ?
5. Owner: G. O. Leth  
Address: Box 18 Black Canyon Stage, Phoenix, Ariz.
6. Operator: same  
Address:
7. Principal Minerals: Au.
8. Number of Claims: 1 Lode Placer  
Patented Unpatented ☒
9. Type of Surrounding Terrain: low hills
10. Geology & Mineralization: ~~2" str~~ 4-2" stringers quartz  
iron carrying Au up to \$2000. Stringers  
about 1'0" apart in Porphyry. Strike N. 10° E  
Dip vert.
11. Dimension & Value of Ore Body: 4-2" stringers 1'0" apart.  
value questionable.

12. Ore "Blocked Out" or "In Sight": prospect hole only

Ore Probable: Questionable

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts..... 2		1-10' deep 1-25' deep
Raizes.....		good condition
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: None

15. Brief History: None

SANTA RITA 64  
✓ Maricopa 7-2 S1, T7N, R3E '48  
  
✓ G. O. Leth  
Box 18, Black Canyon Stage  
✓ Phoenix, Arizona

16. Signature: Visited by Manning & Danning 12-3-48

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