



## **CONTACT INFORMATION**

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: DRAGON

ALTERNATE NAMES:

UNION GROUP  
UNITED VANADIUM  
LU ANN

MARICOPA COUNTY MILS NUMBER: 331

LOCATION: TOWNSHIP 7 N RANGE 4 W SECTION 23 QUARTER S2  
LATITUDE: N 33DEG 55MIN 51SEC LONGITUDE: W 112DEG 38MIN 34SEC  
TOPO MAP NAME: WICKENBURG - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

VANADIUM  
LEAD  
GOLD  
LITHIUM PEGMATITE  
BERYLLIUM PEGMATITE

BIBLIOGRAPHY:

USGS WICKENBURG QUAD  
BLM MINING DISTRICT SHEET  
BLM MINERAL SURVEY MS 4110  
FLAGG A L VANADIUM REPORT BOOK V, VI  
ADMMR DRAGON FILE  
ADMMR PHOTOS

REFERENCES

T~~1~~W R4W Sec. 23 S $\frac{1}{2}$

BLM Mining District Sheet 281

BLM Plat 4110

Flagg, A.L. Vanadium Rpt. Book V and VI

MILS Sheet sequence number 0040130261

LU-ANN GROUP

MARICOPA COUNTY  
WICKENBURG DISTRICT  
T7N R4W Sec. 23

SEE: DRAGON MINE (FILE)

MARICOPA COUNTY MILS INDEX #331

BLM MINING DISTRICT SHEET 281

BLM PLAT 4110

FLAGG, AL.L. VANADIUM RPT. BOOK V AND VI

WICKENBURG 7.5' TOPO MAP (INCLUDED IN FILE)

Arizona Department of Mines and Mineral Resources

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

Maricopa County  
~~Wickenburg~~ Wickenburg  
 San Domingo Mining Dist.  
 100 yd. W of Dragon Mine Shaft  
 T7N RAW Sec 28 SW $\frac{1}{4}$   
           6          7

MILS # 331  
 2-AKA's  
 DRAGON (jw)

MM-9177	Lepidolite
9178	"
9179	"
9180	"
9181	"
9182	"
9183	"
9184	Tourmaline
9185	"
9186	"
9187	"
9188	"
9189	"
9190	"
K511	Lepidolite
K512	Tourmaline

# DRAGON MINING & DEVELOPMENT CO.

## A LOCAL GOLD AND VANADIUM MINE THAT IS MAKING GOOD

1917

Frequently, of late, news items in regard to the operations of the Dragon Mining & Development Company have appeared in the columns of the Miner, and the property has been highly spoken of by all who have visited it or are acquainted with the property now being operated by that company, but, perhaps, the best piece of news that could be given to the public is the fact that the company now has ample capital to carry out their plans for the immediate development and equipping of it. This announcement will be a source of great satisfaction to those who have watched the progress of work at the mine and seen the careful and economical administration of the local management.

The news referred to was brought by Mr. Herman Hertz, the secretary and treasurer of the company, who arrived Monday night from an extended visit to New York and other eastern points where he has been arranging the financing of the property.

Mr. Hertz spent Tuesday at the property, but being seen Monday night he gave out the above news and backed it up by exhibiting certified checks which amply insure the company's future. The fact that it takes money to make a mine is none the less true today than it was the day it was coined, but in the case of the Dragon the money is not needed to make the mine, for all who know the property agree that it is a real mine, but it is needed to develop what they have and now that a commensurate amount is available it is stated that that work will go ahead as never before attempted. Already a car of lumber has been received and construction on the enlargement of the camp is being pushed by Superintendent Newman so as to provide quarters for the shift of miners which will be put on as soon as the houses are ready.

The Dragon is primarily a gold mine, located about seven miles southeast of the town of Wickenburg in the famous San Domingo district which has been placered for gold ever since the early sixties. The consensus of opinion among the engineers who have examined this gold agrees that the gold found in the placers had not traveled to any extent, but apparently had been produced by the weathering and break-

ing down of the gold bearing rocks in the immediate vicinity of the placer ground. Naturally, this accepted opinion has set many men to searching for the mother of the placer. Among them was H. L. Deitcher, who found the outcroppings of what is now the Dragon mine. After holding the property for many years and realizing that he was financially unable to make the necessary development himself Mr. Deitcher and his partner, J. F. Newman, turned the property over to the Dragon company and the developments that they have made seems to be an ample proof that one of the sources of the gold found in the San Domingo placer fields has been laid bare.

The work which had been done on the property prior to its being taken over by the Dragon did not prove suitable for the prosecution of formal commercial mining so the new company started a working shaft to be sunk on the perpendicular. This shaft is now down 110 feet and shows a fine vein of gold ore that averages about 3 1/2 feet wide. This ore has been drifted on for a distance of 93 feet. A large number of assays have proven the value of the ore and show it to run as high as \$30.06 in gold alone, but this is not the only value shown, as it has been found to run well in Vanadium, in the form of lead vanadate, and an average of fourteen assays shows it to carry 4% of this valuable metal. In addition to the vein on which this work has been done there is, at the surface, another and parallel vein which the engineers reporting on the property say will form a junction with the first vein at a depth of about 150 feet. Of these ores the company reports that about 900 tons of the vanadium ore is blocked out and some 600 tons of the gold ore is blocked out and on the dumps.

The main shaft above referred to is being sunk 9 feet by 5 feet and is timbered all the way down, being a very complete and up-to-date working. The shaft is equipped with a timber head frame and the hoisting is done with a Foos engine and Fulton hoist, while the drilling is done with jackhammer drills, air driven, the air being furnished by a compressor of ample size located at the hoist house. All

of this machinery is first class and efficient. The hoist and engine are capable of caring for an 800 foot shaft.

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There are already four houses on the ground, including a completely equipped blacksmith shop. For transportation the company has a light truck.

The actual property owned by the company consists of eight lode mining claims and comprises about 160 acres. They have had a number of engineers on the ground to make examinations, and all of these reports have been very flattering to the owners. While this is pleasing and reassuring, it is no more than one would expect from the history of the mine's location.

The actual physical operations on the property are in the hands and under the direction of Mr. J. F. Newman, who was for a number of years with the Standard Oil Company, and later with the Union Oil Company in China, where he acquired extensive mining interests which he still holds in part. The actual administration of the work is in the hands of Mr. H. L. Deitcher, the original discoverer of the property and a miner of many years' experience.

The officials of the corporation are as follows: President, James G. Scarborough; secretary and treasurer, Herman Hertz. Both of these gentlemen are from Los Angeles, where Mr. Scarborough is a prominent lawyer and capitalist, and Mr. Hertz has been an extensive real estate operator and is a large land owner. He at one time was owner of the Majestic and Moros-

...and sisters. Thus they go unwe-  
 ded, martyrs to duty.  
 Last numbers of women refuse good  
 offers of marriage, for reasons that are  
 ludicrous, if they were not so pitiful.  
 Absurd would be a better word for it.  
 One pretty girl told me in all serious-  
 ness that she had refused an exemplary  
 young man because she feared her at-  
 tractions would fade early, as did her  
 mother's. When her beauty went, she  
 would not be able to attract him long-  
 er. Another girl refused a fine young  
 man for the reason that he had two  
 young sisters of whom he was very  
 fond. "He would think as much of  
 them as he did of me," she confided.  
 "That would make my life miserable.  
 I shall never marry unless it be a man  
 who has no living relative. I could be  
 reasonably sure of such a man's un-  
 divided heart." She is still single. Her  
 ideal man is not likely to materialize.  
 These women are happy in their own  
 way, and they are not wrong.

Dragon Mining and Development  
 company, Wickenburg, Arizona, in-  
 stalled 50-ton gold-silver-vanadium  
 concentrator, also 25-horsepower  
 gasoline hoist, 80-horsepower gas  
 engine, pump and small compres-  
 sor



## DRAGON MINING AND DEVELOPMENT CO. WILL ERECT MILL

The Dragon Mining and Development company, owning the Dragon mines at Wickenburg, Arizona, and whose Los Angeles address is 1225 Washington building, has recently taken action for equipping their property with a mill and assaying plant. Plans for this mill have already been submitted. It will be constructed on the unit plan, making provisions for additional units as the needs require. The action means that the Dragon property will now pass from the development stage to that of a producing mine.

MAY 21 1910

Vanadium of high grade predominates on this property, while good values in gold, silver and ochre are also found. Vanadium is a rare and valuable metal for which just now, on account of the war there is an unprecedented and unsupplied demand. This valuable metal was never so much in demand by the steel industries having government contracts as just now. It is an interesting fact that few know that steel tempered with vanadium will not lose its temper when heated red hot, and it also remains as hard as when cold. Consequently it is indispensable at present in the manufacture of steel for shafting gears, engine valves, motor bearings, automobiles, aeroplanes, etc. It will harden steel beyond any known hardness, and yet it is not brittle. An axe tempered with it can cut a spike in two without dulling it.

Inasmuch as the Dragon company can supply five or six tons of high percentage concentrates daily, Arizona will soon be doing just that much more toward her "bit" in helping Uncle Sam win the war.

For two years this company has em-

ployed a force of men of from two to three shifts a day and has developed the property by sinking shafts, cross-cutting, tunneling, etc. This work exceeds 1,000 feet of development. The deepest shaft is 257 feet, and carries high grade vanadium, gold, silver, and ochre ores.

This company is particularly fortunate in having sufficient water in the main shaft to amply supply all the necessary needs for milling purposes. It controls about 248 acres of proven rich mineral land, and has sufficient equipment to develop same. Almost before a pick was struck the concern was amply financed. All development, down to the point of the purchase of the mill, has been paid for as the work progressed, and the company has sufficient cash on hand for the payment of the mill.

This rich property is located within three miles of the Santa Fe railroad and about seven miles from Wickenburg.



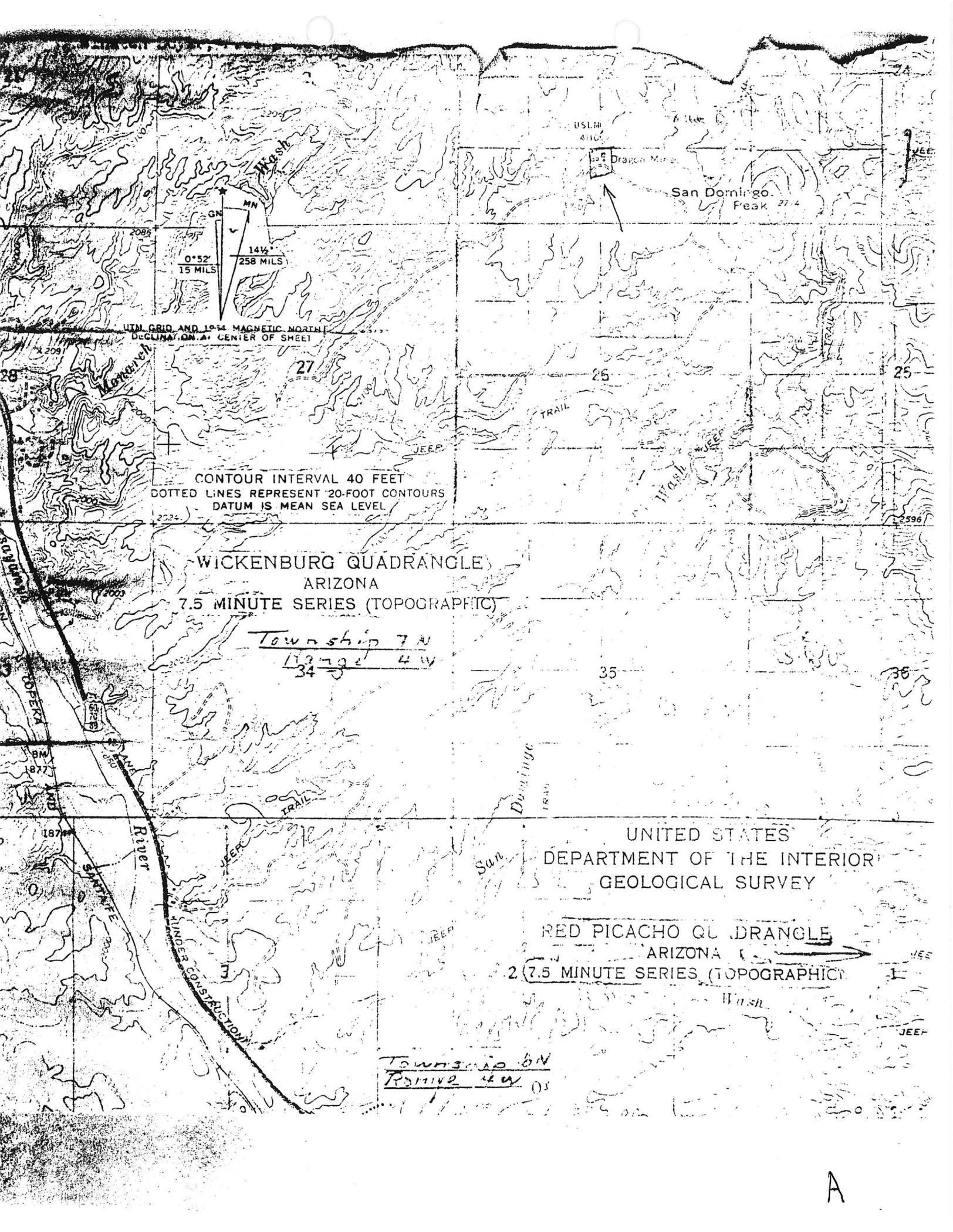
Dragon Mine

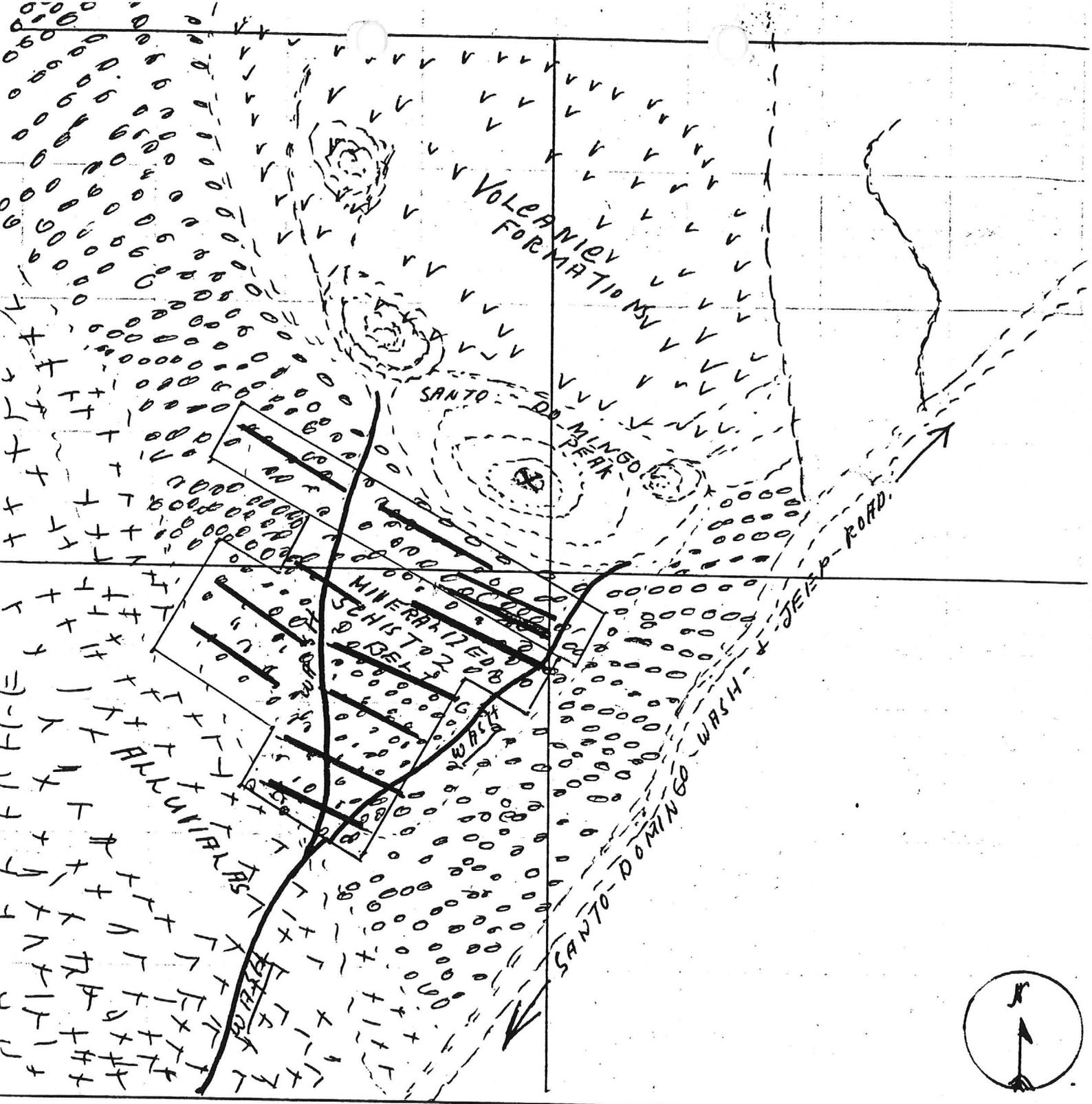
Dragon Mine  
T 7 N R 4 W SEC. 23

Wickenburg 7.5

3757  
3755  
3754  
3753  
3752  
T. 7 N.  
T. 6 N.

(RED P/CACHO)  
3451 1 NE





LA-ANN-CLAIMS-OUTLINE-  
MINERALIZATION-AREA-MAP-

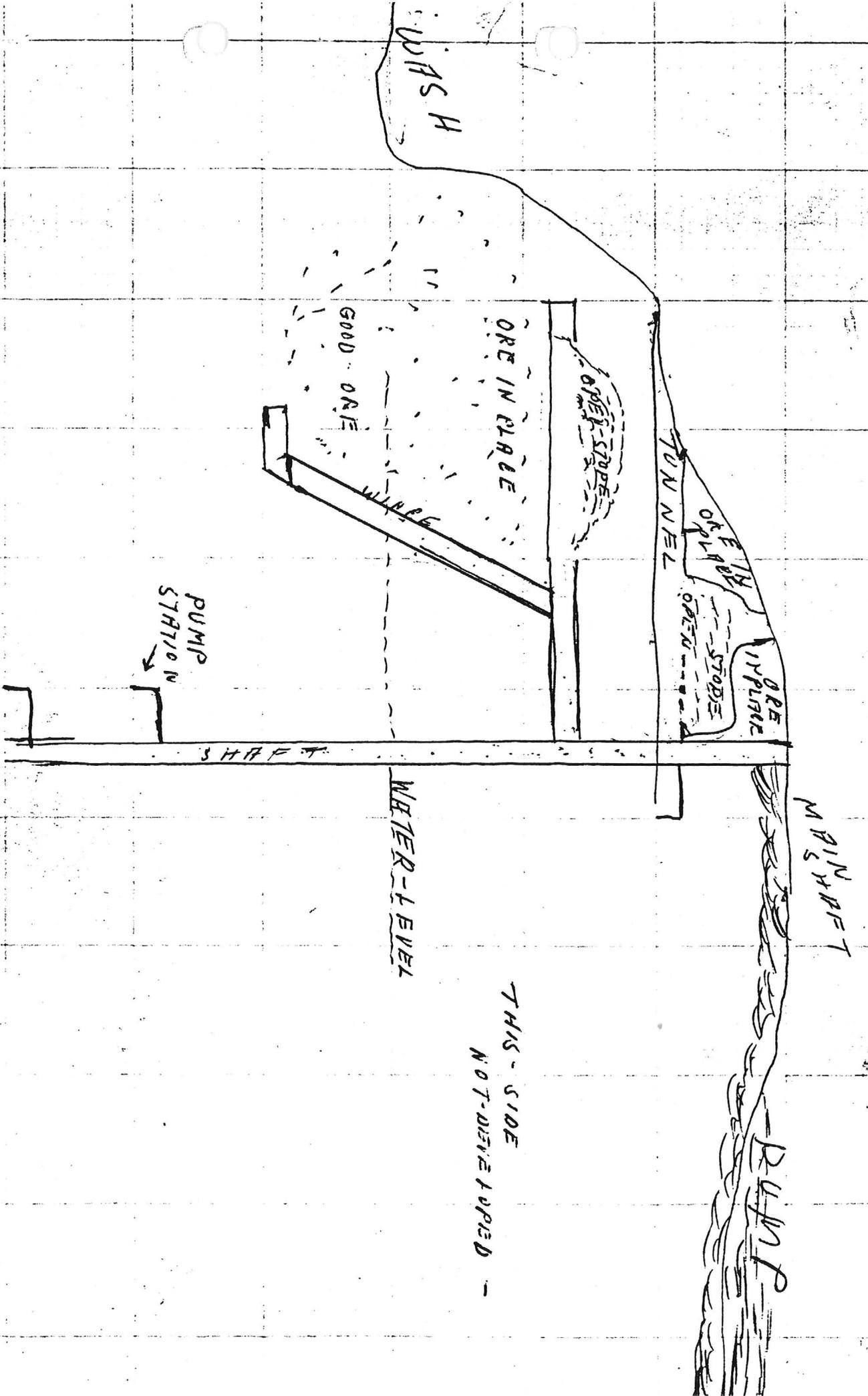
CLAIMS IN  
T-7-N, R-4-W  
SECTIONS - 23426  
MARICOPA CO. - AZ.  
SANTO DOMINGO-MINING-DIST.

- V- VOLCANICS
- O - MINERAL-ORE-BELT
- X - ALLUVIALS
- PRINCIPAL ORE STRUCTURES



SCALE  
10 FT. PER SQUARE

DRAWING  
WORKING



WASH

GOOD ORE

ORE IN PLACE

OPEN-STORE

TUNNEL

OPEN-STORE

ORE IN PLACE

PUMP  
STATION

SHAFT

WATER-LEVEL

MAIN SHAF

RUN

THIS - SIDE  
NOT DEVELOPED -

T

MAIN AIRT

RUMF

OPEN  
STORAGE  
TUNNEL

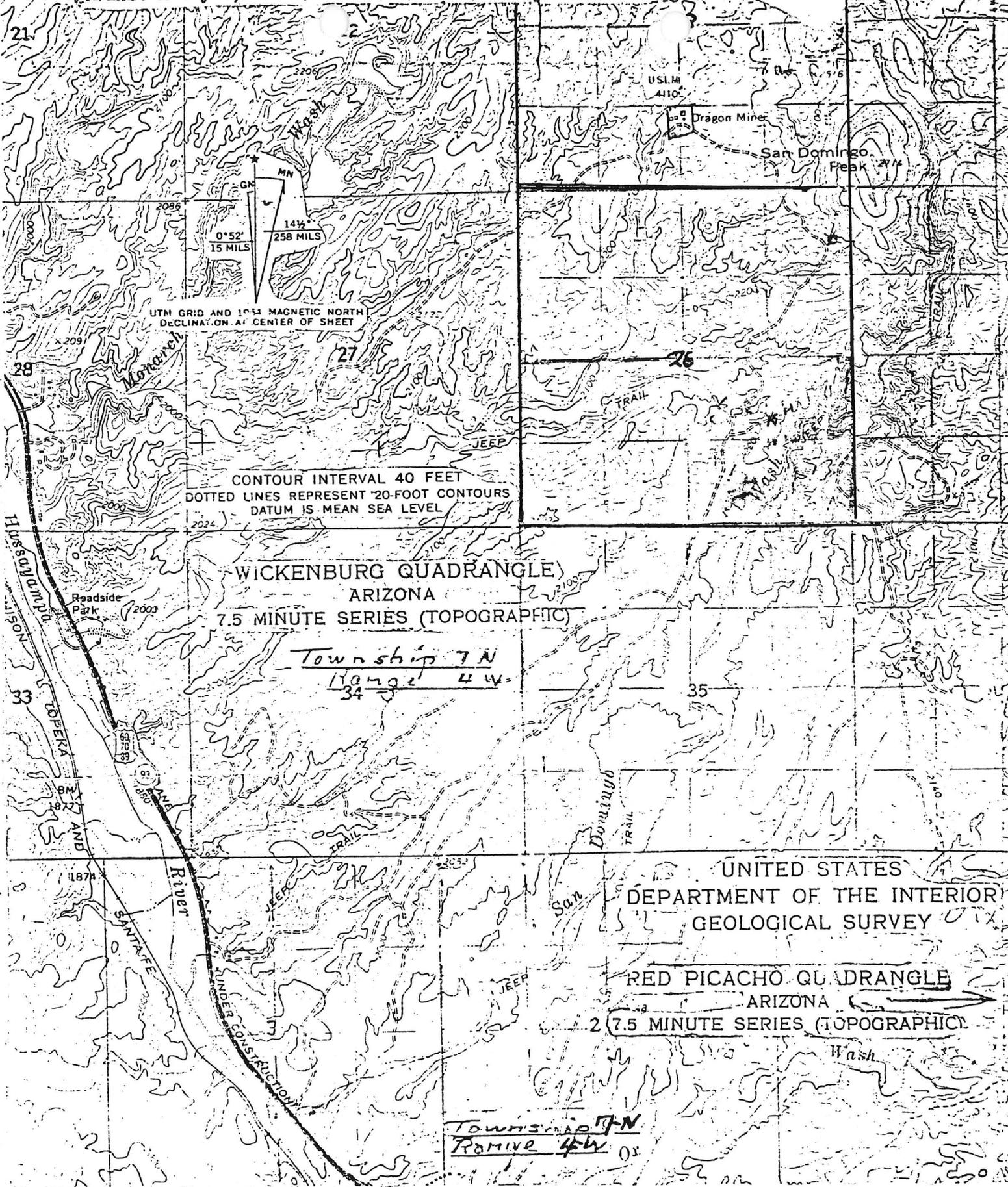
OPEN  
STORAGE

WASH

WATER LEVEL

5 1/2 H 2 1/4

SCALE  
10 FT. PER SQUARE  
DRAWN  
IN 1961



UTM GRID AND 1954 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 40 FEET  
DOTTED LINES REPRESENT 20-FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL

WICKENBURG QUADRANGLE  
ARIZONA  
7.5 MINUTE SERIES (TOPOGRAPHIC)

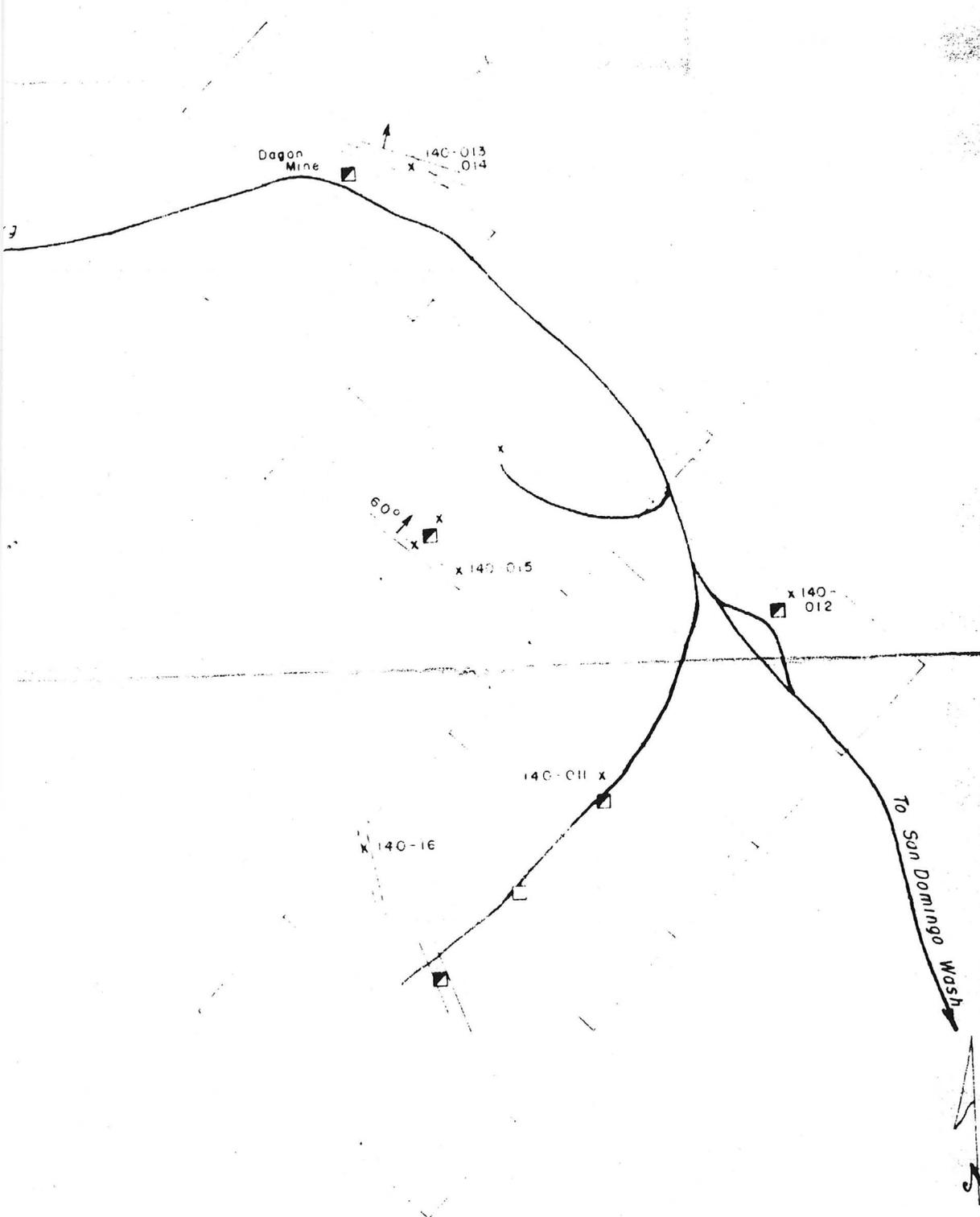
Township 7N  
Range 4W  
34

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

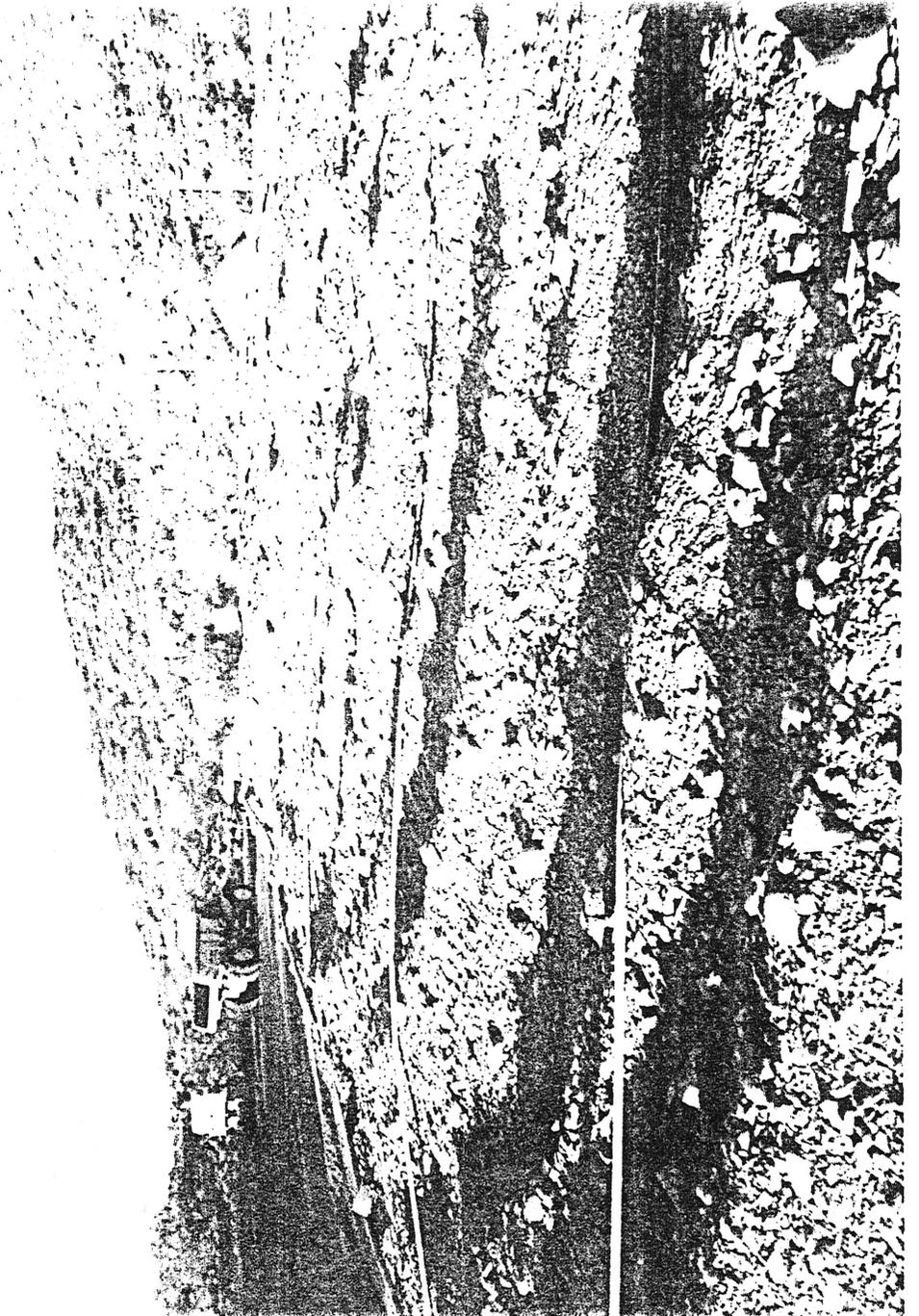
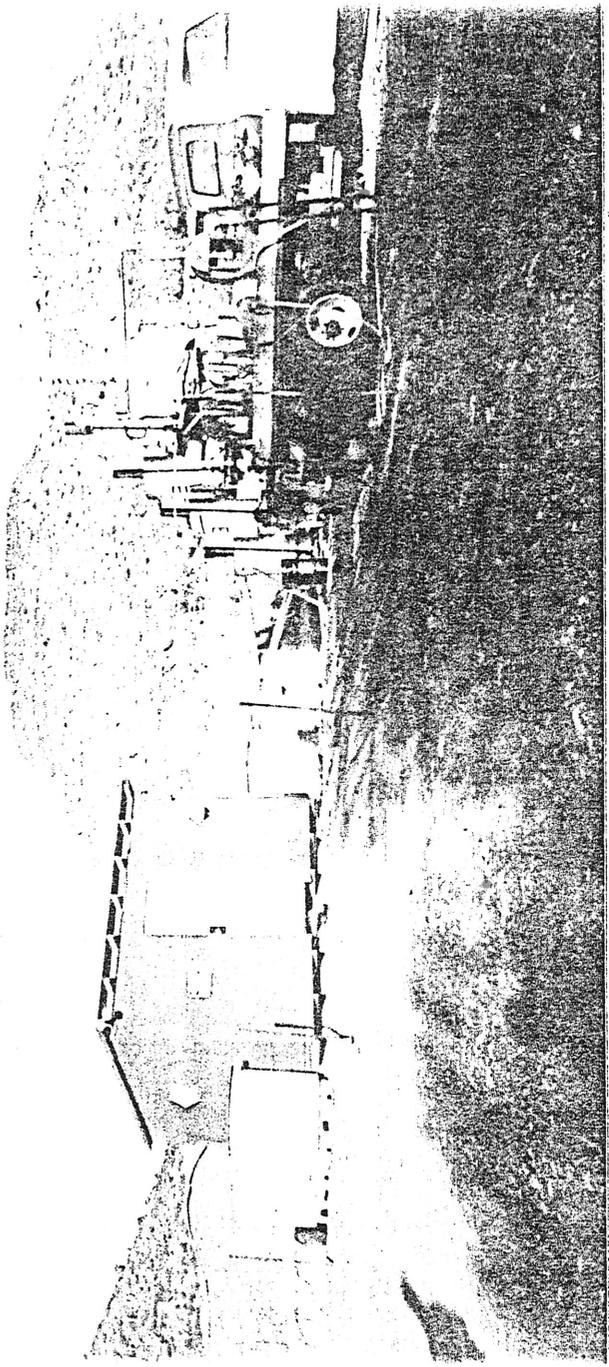
RED PICACHO QUADRANGLE  
ARIZONA  
2 7.5 MINUTE SERIES (TOPOGRAPHIC)

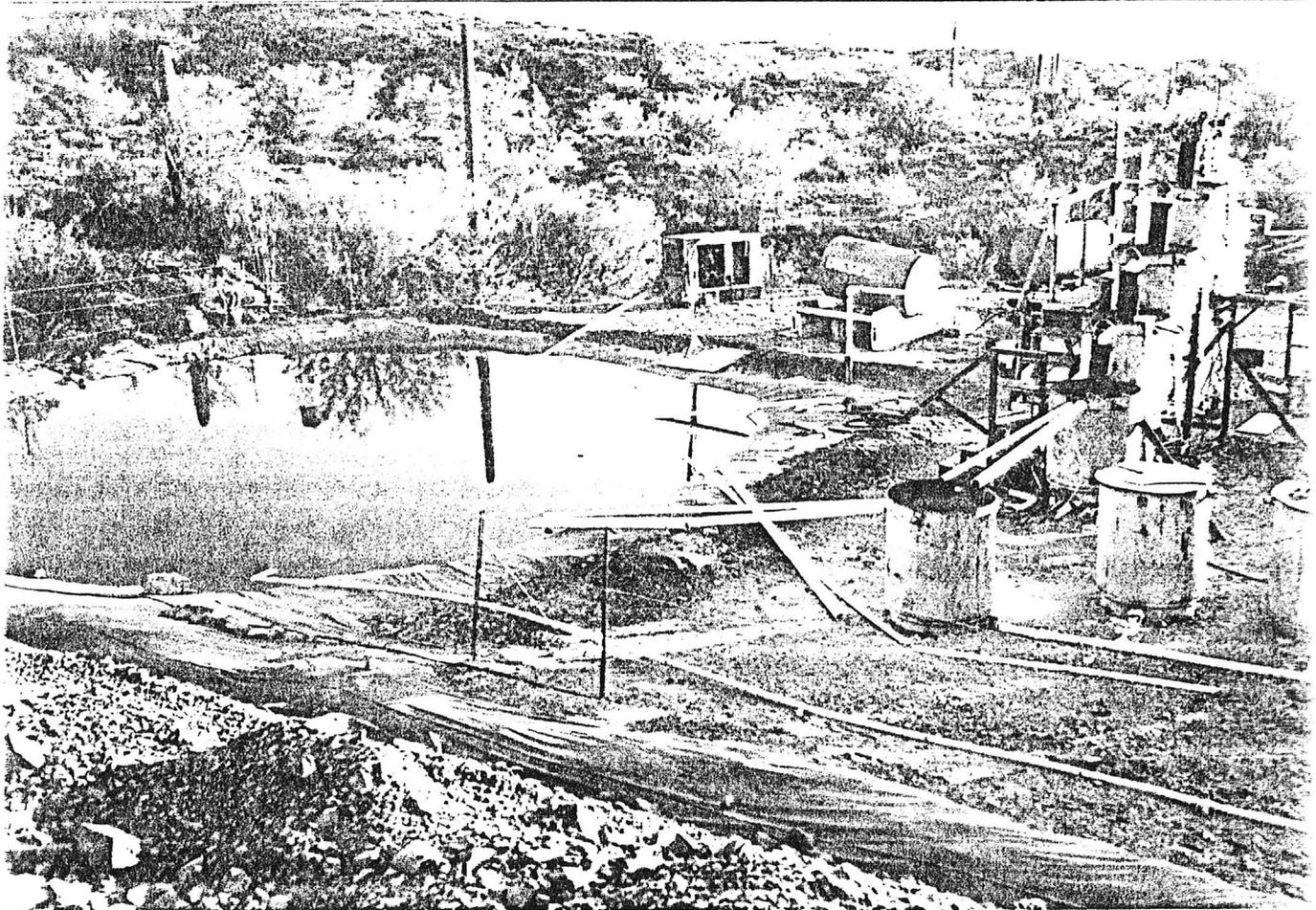
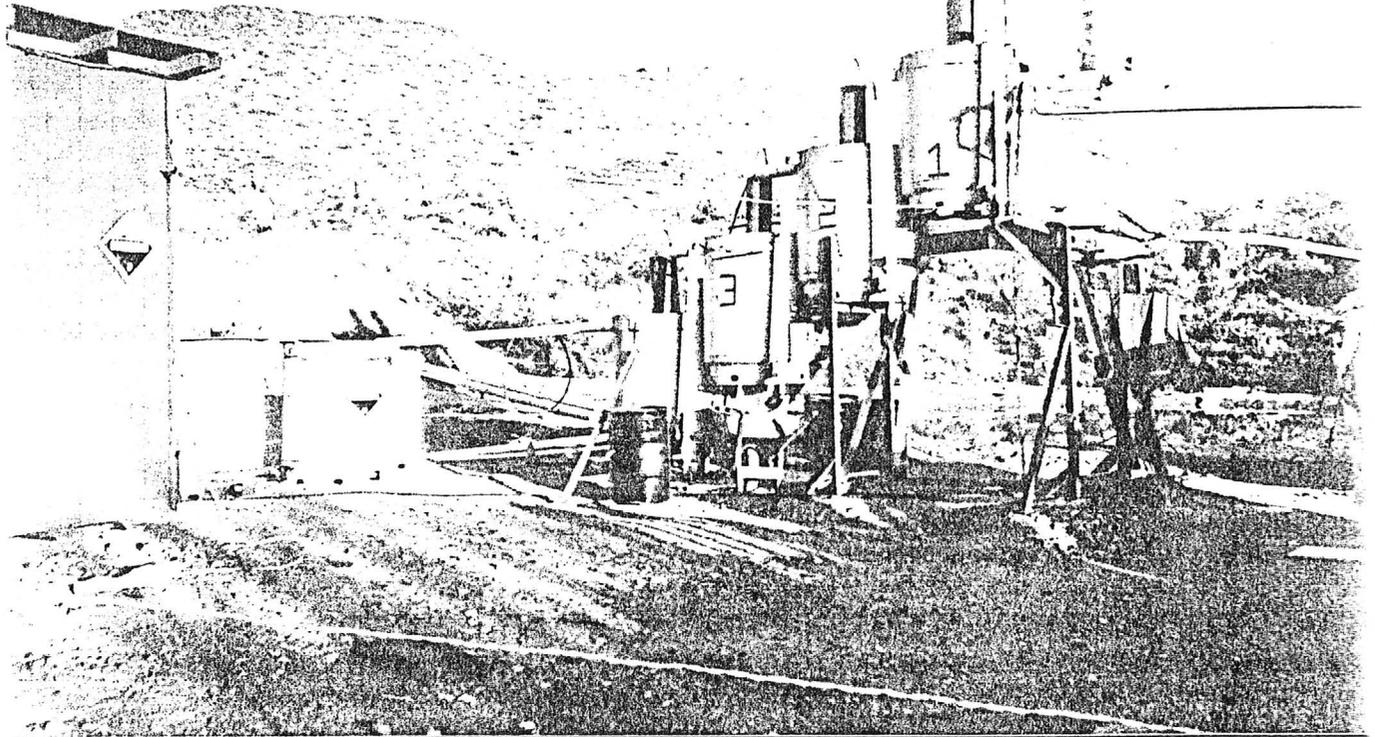
Township 7N  
Range 4W

T 7 N  
R 4 W  
Sec 23



DAVE CAMPBELL'S RELUCTANT DRAGON  
& LU-ANN CLAIMS













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MAR 17 1917

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Dragon Mining and Development company, Wickenburg, Arizona, installed 50-ton gold-silver-vanadium concentrator, also 25-horsepower gasoline hoist, 60-horsepower gas engine, pump and small compressor

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 young sisters of whom he was very  
 fond. "He would think as much of  
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 I shall never marry unless I be a man  
 who has no living relative. I could be  
 reasonably sure of such a man's un-  
 divided heart." She is still single. Her  
 ideal man is not likely to materialize.  
 These women are happy in their own  
 way no doubt. Marriage does not hurt

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## ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

FIELD VISIT

1. Mine file: DRAGON MINE
2. Mine name if different from above:
3. County: Maricopa
4. Operational status:
5. Information from: Nyal J. Niemuth and Ken A. Phillips
6. Summary of information received, comments, etc.:

The Dragon Mine was visited to determine the existence of a rumored cyanide heap leach operation. A small abandoned operation was found.

The heap measures about 150' X 90' X 6' and contains about 5,000 tons of material. Leach solution had been applied by plastic sprinklers. Pregnant solution was collected in a small pond and pumped through a series of carbon adsorption columns.

The operation appears to have been abandoned without neutralizing the solutions. Further, the heap had not been fenced and so surge pond or other discharge protection provided.

A no-lien notice posted by the property's owner, John D. Campbell indicated the property was operated by Triad Minerals (make card), Cory B. Eddington (make card), P.O. Box 2754, Wickenburg, AZ 85358.

Date:

Jan 19, 1989Ken A. Phillips, Chief Engineer

DRAGON MINE

MARICOPA COUNTY

NJN WR 12/24/82: DAvid L. Lorge, Geologist with S & G Mining Co. (owned by Peter Kiewit Construction), 1000 Kiewit Plaza, Omaha, Nebraska 86131, phone (402)342-2052 visited. He will be in charge of their exploration program at the Dragon Mine, Maricopa County. The exploration plan is to conduct a geochem survey which will be followed up by having Longyear core dill any gold targets.

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NJN WR 2/26/83: Dave Lorge of S & G Mining visited and reported having completed 630' (2 holes) of core drilling at the Dragon Mine, Maricopa County. S & G is also looking at properties in the Signal Peak District in the Pinal Mountains, Gila County.

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KAP WR 3/18/83: The claim group at the Dragon Mine is known as the Lu Anne. S and G ( subsidiary of Peter Kiewit and Sons) has finished a preliminary drilling program and is evaluating the resluts and the target.

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KAP WR 9/16 /83: In a conversation with Don Unrau of S. & G Mining Company, 1000 Kiewit Plaza, Omaha, Nebraska 68131, He reported the firm has dropped the Dragon Mine near Wickenburg. However, they continue to be active in Arizona.

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NJN WR 7/13/84: Jeff Rinker, geologist with Placer Development (c) reported that they have an option on the Dragon Mine (f) Maricopa County. Mr. Rinker feels that although Peter Kewit's (S & G Mining) drilling there did not encounter lots of ore grade mineralization, that not all the promising zones were tested.

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NJN WR 8/24/84: Dave Lorge, geologist with the S & G Mining (c) reported the company has dropped the Dragon Mine (f) Maricopa County and have provided the owner, Dave Campbell (c), with a copy of all their drill and sample data.

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DRAGON MINE

MARICOPA COUNTY

RRB WR 9/25/81: Mr. Shurtliff and his son, Michael of S. and S Mining and Mfg. Co., Ltd., P.O. Box 2725, Wickenburg, AZ reported that they intend to leach the dumps on the Lu Ann and Dragon claims that they have leased from J. D. Campbell. He wanted to know about notifying the BLM (letter of intent) and said that they had access problems with the owner of private land that their access road crosses.

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RRB WR 10/16/81: Visited the Lu Anne claims (formerly the Dragon Mine) with J. D. Campbell of Wickenburg. They are being leased from Mr. Campbell by S & S Mining and Manufacturing Ltd. P. O. Box 2725, Wickenburg, AZ. A leach pad is under construction.

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NJN WR 3/26/82: Mike Gimple (684-5576) with Ramah Mines of Wickenburg visited. He reported they have bought the Dragon Mine from Dave Campbell. In an area of mineralization they want to expose and drill, there exists a nearly complete arrastre. He would like to donate it to the Department to preserve it. I made arrangements with Mr. Gimple to visit the Dragon Mine, see the arrastre and size up the job of moving it to the Department.

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NJN WR 4/2/82: Visited the Dragon Mine, Maricopa County with Chris Crecelius to evaluate the task of moving an arrastre to the department grounds. We met Mr. Mike Gimple (PH: 684-5576 - Wickenburg) with Ramah Mines on the property. He reported that they have bought the Dragon from Dave Campbell. They have done some geologic mapping and trenching on the surface of some east-west hematite structures. They are planning further exposing and drilling of those structures. We also visited a pegmatite on the property from which we collected some lepidolite and pink and green tourmalines for the museum's collection.

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NJN WR 5/14/82: Accompanied BLM cultural resource archeologists Mary Barker and Cathy Boyer to the Dragon Mine arrastre, Maricopa County, so they could complete their historical, archeological and botanical survey. Mary Barker will work with Dean Durkee to find a way to give the Department title to the property.

---

7 pages  
Preliminary report to Ramah Mines Company  
THE GEOLOGY OF THE DRAGON MINE PROPERTY

By  
A. E. Disbrow  
March 15, 1982

GENERAL

The Dragon Mine Property lies on unpatented mining claims controlled by the Ramah Mines Company in sections 23 and 26, T. 7 N., R. 4 W.. This property is in northern Maricopa County, approximately 5 miles southeast of Wickenburg. Access to the property is by a graded road that diverges northeastward from the Wickenburg - Phoenix highway at Monarch Wash, about 4.7 miles southeast of Wickenburg.

The area was mapped during a 7 day period early in March. Mapping was done with a planetable and open-sight alidade.

Gold deposits occur in Precambrian metamorphic rocks and are scattered over a large portion of the area. Tertiary volcanic rocks overlie the metamorphics to the east and Tertiary gravel covers them to the west. Quaternary alluvial deposits obscure the metamorphics in several places throughout the area.

The Precambrian schist is commonly colored gray, fine grained, finely foliated and comprised of quartz, feldspar and muscovite. In some areas the schist is coarser grained and black; some of this rock is amphibolite and in some the dark color is due to tourmaline alteration. Light colored aplite dikes and sills cut the schist. The aplite is composed of quartz and orthoclase with sericite along planes of schistosity. Bands of tourmaline are prominent in some of the southern aplite bodies. Pegmatite dikes cut both the schist and aplite. These dikes are light colored and contain white quartz, orthoclase and muscovite; large black tourmaline crystals are included in places.

The Quaternary alluvial deposits are sand and gravel derived from Precambrian and Tertiary source rocks. These deposits occur along washes and on terraces adjacent to them. The Tertiary gravel unit is comprised beds of tuff, sand and gravel; the gravel contains pebble to boulder sized fragments of volcanic rocks with a lesser amount of metamorphic material. The Tertiary volcanic unit is a sequence of tuff beds and andesite and latite flows.

## GOLD DEPOSITS

The primary gold deposits on the property occur in veins and may occur as disseminations in areas where the veins are numerous and the host rock is more strongly fractured. Gold deposits are found only in rocks of the Precambrian metamorphic unit. Many of the vein deposits were exploited between the late 1800's and 1942. The Dragon Mine, the largest producer, supported a mill. The production history for the various mines in the area is unknown.

The veins exposed in pits and trenches commonly have a core quartz and calcite 6 inches to 1 foot or more in thickness that is red where hematite is present and green where chlorite alteration is strong. Alteration and veinlets of core material extend outward 2 to 6 feet or more on either side of the core. South of the Dragon Mine and in the northern portion of the area the veins mostly trend easterly, parallel to the schistosity. Northerly trending veins are present in an area just north of the Dragon. Vein lengths range from 200 to more than 1,000 feet. Veins sampled by Ramah Mines Company showed gold values that ranged from a few tenths of an ounce to several ounces per ton. The large Dragon Mine dump contains 0.07 of an ounce per ton and one of the Julia dumps averages 0.40 of an ounce per ton.

Hematite staining and quartz-calcite veinlets are present in several areas and may indicate the presence of disseminated gold deposits. The largest of these areas lies in the southern part of the area; it is about 300 feet wide and 800 feet long. Somewhat smaller areas were mapped a few hundred feet farther north. Smaller potential deposits were observed in a few areas north of the Dragon Mine. A program for evaluating the potential of these areas by trenching and sampling is in progress.

A northeasterly trending band of pyritic altered schist 200 to 300 feet wide and more than 2,000 feet long was mapped in the northern part of the area. Schist within this band is bleached and stained red and yellow-brown by iron oxides derived from the oxidation of pyrite. The possible gold content of these rocks should be checked by sampling and assaying.

7 Paper  
August 6, 1982

To: Tom Gwynn

Re: Report on the Dragon Property, Mike Gimple

The Dragon property is a limited, but easily defined deposit that could be developed and worked with economy of scale and thoughtful design. Gimple has proffered that it is an opportunity to develop skills and confidence in mining a lode deposit.

I agree whole heartedly because of a number of reasons. The geometry and geology confine the deposit to a limited access. The vein work available is within the exposed or nearly exposed host rock bordered by volcanics and thick tertiary alluvial sediments. Therefore, a specific amount of exploration will fine the high grade ore and ore shutes. Second of all this property has had a history of hi-value taken from it, and the extensive assay records afforded us have implicated that, over-all assay average (not weighted) is 0.25 oz. Au./ton from 66 assays.

The values remain in three configurations that are available to us. First is approximately 15,000 tons of tailings that average at .10 oz. Au./ton and Gimple has proposed a heap leach plant that could immediately be brought into production (I will discuss this later) that will immediately start a cash flow.

Where the vein work is denser disseminated host rock exist and could be developed with open pit procedures. It appears that a limited amount of exploration could define these small bodies and the pits easily designed.

The veins are there and in old workings produced good value even with limited technology. If we are interested in acquiring the values from lode deposits this is an excellent opportunity to develop those skills and expertise without the pressure of time and the risk of high capital investment. We could explore and develop these veins almost incidental to the open pit and leach operation.

I will discuss these concepts in detail with you if you wish. Attached are a few numbers to describe some of the potential that I have observed in my short visit.

More disseminated material exist to the north of the Dragon Mine, but Disbrow was not able to map these units enough to define any bodies of any size. A simple drilling and sampling program could define these units out.

Allan Distrow's mapping and description is excellent for the time given and the data available. It could be improved upon with some more exploration.

After discussions with Jimmy Decke (hoist operator - miner at the Dragon Mine), the underground map supplied by Dave Campbell (previous owner) are not accurate but do help.

*Lorge*

Dave Lorge

DL/cmb  
Attachment

P.O. Box 1297  
684-2539

*Ans Mine file*  
CAMPBELL INVESTMENTS  
BRIDGE APARTMENTS  
321 E. Center  
Wickenburg, Az 85358

John D. and Lillian A. Campbell  
Mining • Real-Property

February 7, 1932

RECEIVED  
FEB 11 1932

*Copy to  
John D. Campbell  
Lillian A. Campbell  
Wickenburg, Ariz*

State of Arizona  
Department of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, Az. 85007

Re; Lu-Ann Lode Au. Claims;

Dear Mr. John Jett:

On my previous letter to you of 12-31-81 I sent you a submittal in regards this claims for the Dept. records . As of 2-1-82 we finalized negotiations on this claims with a party from Denver, Colorado .

They seem to have ample financing to further develop and do whatever is necessary to start production . They paid us a substantial down , with guarantees of minimum ,or royalty from production . All applies to the final price I thought you would like to know this development . The person in charge of this operation is A Mr. Mike Gimple.

I am now starting to do some serious prospecting , sampling of another lode property we hold known now as the Hope claims , this property was first discovered back in the 1880 ties. by a Mr. Iganicious Garcia one of the Town of Wickenburg founding fathers. At the time he discovered this property he was a wood contractor delivering this wood as fuel for the Boilers at the Vulture mine , and had crews working in the area . This property he sold to, a canadian Co . they developed it, built a mill , and I understand produced a considerable amount of values . Problems with water in the shaft , and the ore faulting caused them to stop operations . My family first pick up this claims back in 1919 or 1920 , and developed some ore built a mill and worked them on an off , and on basis untill about 1936 we made our living off this property during the depression .

I was wondering if your Dept has any records of the operation of this property . The Garcia Mine. Section No. 7 . T - 6 - N , R - 4 - West . If you do I would appreciate copies of them as I am trying to put together as much information regarding this claims.

As I believe there is a good possibility of the development of further Ores here . There also are large dumps that may leach as well as a good supply of water .

Thanking you for any information you may be able to provide.  
Best regards .

Sincerely,  
*John D. Campbell*  
John D. Campbell



*Beard Lu-Ann Group file*

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

602/255-3791

July 17, 1981

Mr. J. D. Campbell  
Campbell Investments  
Bridge Apartments  
321 East Center  
Wickenburg, Arizona 85358

Dear Mr. Campbell:

In regard to your letter of June 29, 1981 regarding possible investors in the Lu-Ann Group (formerly Dragon Mines) the following people have indicated an interest in properties such as yours.

Roy Knight - 273-1599 says that he represents some Swiss bankers looking for gold/silver/copper mines for sale.

Corn and Ahern, Consulting Geologists, Suite 108, 1802 West Grant Road, Tucson, Arizona 85705, phone 884-8983 are looking for gold and silver, barite, and/or uranium exploration targets.

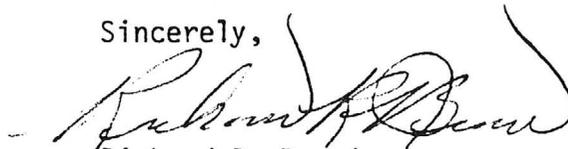
John Sandy & James MacGregor, Willington Resources, Inc., Dallas, Texas or 6512 Blue Ridge Trail, Plano, Texas 75023 tele (214)422-2735 are interested in developing precious metal properties.

Raymond E. Krilley, 7625 East Camelback Road, Suite 123B, Scottsdale, Arizona representing Woodstone Industries, Couer D'Alene, Idaho is looking for properties to buy, participate in, or work on a royalty basis.

I hope that this list will be of some assistance to you and we will keep your name on file for references in the future.

If we can be of any further assistance please contact us again.

Sincerely,

  
Richard R. Beard  
Mining Engineer

RRB:jc

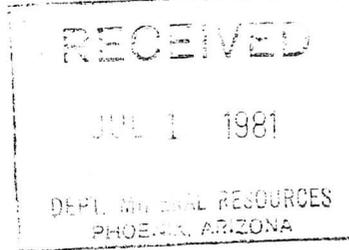
P.O. Box 1297  
684-2539

CAMPBELL INVESTMENTS  
BRIDGE APARTMENTS  
321 E. Center  
Wickenburg, Az 85358

hn D. and Lillian A. Campbell  
Mining • Real-Property

June 29 , 1981

State of Arizona  
Department of Mineral Resources  
Mineral Building , Fairgrounds  
Phoenix , Az. 85007



Mr. Richard R. Beard M.E.

Dear Mr. Beard :

Since 1974 we have had in our possession the Old mining claims then known as the Dragon Mines , now the Lu-Ann group . This claims are North-East of Wickenburg about 3 miles . The values are principlly gold , though they were worked for their Vanadium content back in World-War No. I. Our interest is in the gold values .

In the past few months we have had the good-luck of discovering good surface values in three different ore structures ranging from .22 to 1.7 AU content. Your department have always been very helpful in providing us with needed information , and having come to the conclusion that to prove this property further developing is needed such as a drilling program . We are interested in entering into a lease purchase agreement with some reliable Co . interested in developing underground lode AU . properties.

We were wondering if your Dept . have the name , and addresses of mine developing Co. interested in such type property in Arizona , and if you could furnish us with such information . Thanking you for any help you can render us in this regard .

Sincerely ,

  
J. D. Campbell

*Duck -  
Ple response*

**MELVIN H. JONES**

*Mining Geologist*

9 February 1980.

PRELIMINARY GEOLOGY EVALUATION REPORT, DRAGON MINE (Au,V), MARICOPA COUNTY, WICKENBURG, ARIZONA.

On December 9, 1979, the undersigned, accompanied by Mr. Clare C. Richardson, (President, Consolidated Chemical and Mining Co., and Mr. David Campbell, Wickenburg, Arizona (owner, along with other associates of claims whereon the Dragon is located), visited the Dragon Mine, which is located about 7 miles East of Wickenburg, by road. This was a reconnaissance geology examination, as Mr. Richardson was interested in the gold leaching potentialities of this property. Then again, the property was visited on January 5, 1980, by the writer, along with Mr. Charles R. Miliken of Wickenburg and Mr. Campbell, and an additional preliminary investigation was made and some surface samples were taken. See enclosed map marked Exhibit A.

The mining claims covering the Dragon Mine are in Section 23, T-7-N, R-4-W, SR B&M. Mr. Campbell (and associates) initially had 10 claims on this Federal Section. This study does not go into the status of title examination nor assessment labor on said claims. See claim map marked Exhibit B. The Campbell statement of ownership is accepted as correct, as far as this report is involved.

On arrival at the mine site, one is immediately impressed by the size of the ancient tailing piles and dumps, as well as, the remnants of the old mill plant (extensive concrete bases and old tanks). There are five (5) shafts (headframes are long gone), and numerous small exploration pits and adits. The deepest shaft (main) goes down to a depth of 267 feet, with drifts and winzes. The recollection of the main shaft and workings, according to a former worker there, Mr. Jimmy Deck, is Exhibit C.

This property, prior to 1916 was known as a gold claim and was named the 'Julia'. During 1917 it became the property of the Dragon Mining and Development Company. It reputedly had gold values from \$3.73 to \$30.02 per ton when gold was priced at \$20.67 per oz. The mine of course, was called the Dragon then. Later, United Vanadium Corporation had the property for an unknown period of time, but the writer has not been able to locate any records verifying ore shipments.

GEOLOGY.

This mining property is immediately West of San Domingo Peak (El. 2714 ft.) in what is known as Monarch Wash, in the Wickenburg Mountains (South portion of the Bradshaws). The mineral carrying veins are highly silicious in a Ultramafic or Lamprophyric mass of dark colored rock of apparently Cretaceous age. The local area has been geographically mapped under State of Arizona guidance, and is shown as Cretaceous Andesites. However, the writer is more inclined to consider the basic rocks as something akin to PreCambrian Monsonites, for the reason that there are numerous pegmatic dykes crisscrossing the location (including area near the mine), thusly, indicating a likely basic type of rock structure, in the form of a batholith or laccolith.

The gold values are in free form in the silicious di-oxide, ferric stained, almost vertical veins. The Vanadium is in the form of scattered Vanadinite ( $Pb_5(VO_4)_3Cl$ ) in the darker portions of the same veins. These veins were probably formed in fault structures by ancient Metasomatic and Retrograde action. The nearby pegmatites are considered as epigenetic homogeneous in origin.

The pegmatite outcrops in the vicinity of the main mine shaft are most interesting, from an academic viewpoint. They are considered to be irregular lenses. Several contain abundant black tourmaline Xtals (Schorl). The basic pegmatic rock is probably Perthite with quartz, biotite, muscovite, lepidolite, phlogopite, sericite, and some albite feldspar. Close search will disclose an occasional Rubellite Xtals (pink). The more distant, but related, pegmatites in the San Domingo Wash area have Spodumene, Ambligonite, Bismuthinite, amorphous beryl, and other rare minerals.

In the Dragon mine area, some old vertical drill holes were found, indicating extensive exploratory action in the distant past (other than pitting, shafting, and aditing). If there are any old records covering this work, its whereabouts is unknown to the writer.

Water apparently was available for past mining operations. One old well was pointed out, but it had been filled with rocks by vandals. Mr. Campbell stated there is a water level up to about 100 feet below the collars of the shafts. It appears that adequate water could be obtained by drilling in the adjoining Monarch wash.

#### SURFACE INDICATED VALUES AND SAMPLING.

In the way of Vanadium, one old report (Exhibit D) shows the following:

Dump ore 0.18%  $V_{2O_5}$   
Table Concentrate 0.69%  $V_{2O_5}$   
Flotation Concentrate 2.05%  $V_{2O_5}$

Gold values (from old record) varies from 0.28 oz. to 2.70 oz. per ton. This is viewed as extremely on the high side by the writer. Another old report shows gold averages at about 0.20 oz. per ton, which is a more acceptable figure from visual examination of the potential ore (in sight). See Exhibit E)

It is to be pointed out that it is now impossible to go down the old shafts for sampling, due to hazardous conditions and the water level. Accordingly, two (2) samples were taken by the undersigned as follows:

Sample No.1 is from an ore outcrop (small pit) 200 ft. E. of main shaft. The sample was a channel cut on a  $2\frac{1}{2}$  ft. vein. It assayed at 0.18 oz. Au. (See assay report Exhibit F).

Sample No.2 was taken on the Lu Ann Extension, where there is an old 200 ft shaft. The strike here was E 10 deg. N. Dip is 70 deg. W. The assay report (Ex.F) shows "nil" in Au. However, Mr. Campbell says that his sampling in the past, has revealed Au up to 1 oz Au per ton, from the same location.

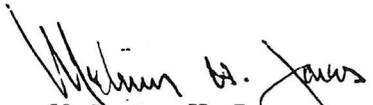
SUMMARY AND RECOMENDATION.

Assuming a large mineable body of gold ore could be delineated, at the grade of 0.18 oz. per ton (or more), which at today's prices would be valued at \$135.00 per ton, this would be a profit making mine. At depth, the auriferous veins are reported to be of 3.5 feet width. By using the 'on site' pad leaching with cyanide, which is not costly, would make this mining profitable. Water can be developed at the mine.

There is about 1500 tons of potential gold ore on the dump. This should be carefully sampled and assayed.

Concerning the Vanadium values, one old report (Exhibit D) shows 0.18%  $V_2O_5$  on the dump. This would be worth about \$12.60 per ton according to recent Vanadium Pentoxide prices. In 1970  $V_2O_5$  was worth \$2.50 per pound (now it is only \$3.50 per lb.) The prices have not gone up 'skyhigh' like some other metals (gold, silver, lead, copper, etc.). Old newspaper accounts say there is a higher  $V_2O_5$  content in the Dragon mine, but this would have to be proven by more reliable information. United Vanadium Company (now Union Carbide Corp.) had the Dragon mine many years ago, but gave it up. If the mine was rich in  $V_2O_5$  they probably would have retained the mine. The principle Vanadium mine in the U.S. is at Wilson Springs, Ark. (owned by Union Carbide). But the vast bulk of Vanadium comes as co-products of Uranium, Titaniferous magnetite, and ferrophosphorous processing. If this metal reaches higher prices, then the Vanadium ore at the Dragon should be re-considered.

Additional exploration, including a drilling program (under supervision of a capable engineer), should be initiated.

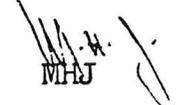
  
Melvin H Jones  
Mining Geologist.

1601 Sandhill Rd., #36  
Las Vegas, Nevada, 89104

Post Script.

2/25/80

Mr. Campbell recently obtained another sample on the Lu Ann Extension near where Sample #2 (in above narrative) was taken. This is 20 ft. inward from collar on East side of inclined shaft. Assay shows 0.30 oz. Au per ton of ore (see Exhibit G). At today's gold prices (\$639968), this would show the sample to have a value of \$192.80 per ton. This new information enhances the gold potentialities of the Dragon property.

  
MHJ

CAMPBELL INVESTMENTS  
BRIDGE APARTMENTS  
321 E. Center  
Wickenburg, Az 85358

Report on general geology of area, and possibilities of the property. Formerly known as the Dragon Claims. now the Lu-Ann group.

---

This property is located in North-Western Maricopa Co. about 7 miles East of Wickenburg, Az. And it is situated in the South half of section 23. T-7-N, R-4-W. Between the East branch of Monarch wash, and the west bank of Santo-domingo Wash. In Santo-Domingo mining district.

Owner-Ship: This claims are in Federal Section, Federal mineral rights and open for location to the public. 10 unpatented lode mining Claims in the South half of section No. 23, and the North half of Section 26. Recorded with the Maricopa Co recorder, and registered with the B. L. M. offices in Phoenix, Az. All Recordings, validation work, and Assessment work done, and up to date. Owners J. D., and Lillian A. Campbell husband and wife.

History:

The claims in the area were first discovered before the turn of the century, and developed for the gold content, known as the Julia Mines. About the time of World-War No I it was ascertained that the ore from some of the veins had a Vanadium Content. The Dragon Mining & Developing Co. was formed and incorporated. Money was raised. the workings of No2 were developed as this claim had the best values in Vanadium. A 50 ton mill was erected shippments of concentrates reached around 6 tons per day during the war years. After the war and due to the drop in demand for vanadium, and gold values not high enough the property closed down. Around 1928 the Vanadium Corporation took over the property. They had a market with Krupp - Steel of Germany, and I understand were advanced a sum of money to get the property in operation. The mine workings were further developed the Mill re-vamped, and enlarged. By 1930 the first shipment of concentrates were made. About this time depression, money panic hit Germany. Further shippments were stoped finally the operation fell apart. and other then small operations by leasors in the early 30 ties no other developing was done. The partners co/owners of the old Dragon Mines faced with a depression no demand for Vanadium, and low gold values did not feel like investing further and finally in the late 30ties. the property was abandoned. It was held by a Mr. C. Berry up to the late 1950ties when Mr Berry died, no further owners held claims. Untill we took them up in 1974, and have been holding them since, and conducting prospecting, and developing work on them in a low key.

Geology:

This claims are in what local mining circles is known as the lower Bradshaws mineral Belt. This belt is mostly a schistoz formation serveral miles wide, runing to the north against the Granits, and volcanic format. ions, bisected in maney places with upthrusts of volcanic rock such as andesites, and tuffs. Maney strong Pegmetites run thru it quartz, and epidote formations. The up thrusts are belived by maney geologists of a newer age then the shistoze formation,, depositing mineral in the area adjacent to this newer upthrusts.

## CAMPBELL INVESTMENTS

## BRIDGE APARTMENTS

321 E. Center  
Wickenburg, Az 85358John D. and Lillian A. Campbell  
Mining • Real-Property

Page No 2.

## Geology:

Just to the north-east of the property are a chain of hills known as the Santo-Domingo range with Santo-Domingo peak as its most prominent elevation this peak is just north of the claims. To the south the mineral belt dips into the Sedimentary formations conglomerates, Alluvial fans all the way to Hassayampa River, and the Start of Wickenburg Mountains.

According to Mr. J. Flood a geologist that spent some time in the property trying to help Mr. C. Berry develop interest in the property wherever this newer age upthrusts have occurred in this formation if mineral conditions are right it has formed what he called Secondary deposits with primary enrichments, where quartz, limonite, hematite, and calcite minerals come in close proximity primary enrichments can, and do occur this type of primary enrichments are the type of formation where most of past mining, and production has been.

## Past development:

Has consisted of several shafts the deepest at the Old Dragon No 2. is some 290 Ft. in depth many open cuts, adits, and prospect holes are encountered in the area. As well the remains of 2 miles one at the No 1, and the other at the No 2 dragon claims. As well as the ruins of three Arrastra type Mills.

## Present development &amp; Prospecting:

The writer of this report has had intimate knowledge of this property being of a mining family of the area. My Father was a Mill-Wright, and was in charge of the re-vamping of the Dragon - Mine Mill for U. S. Vanadium in the late 20 ties. I was acquainted with Mr. Berry, and Mr. Flood. I also am well acquainted with Mr. James Deck who worked at this property during the period of time the mine was active. As a hoist man, and electrician. He also did some work as a Lessor after the mine closed down. He is still very active in spite of his years, and has been of great help to me in planning my course of action in the developing of this claims. Our efforts have had some success. We have opened a surface showing of ore in the Lu-Ann No 4 claim assaying over 1.5 Oz. Au. At the Lu-Ann No 4 we have uncovered a vein of ore over 30 inches wide assaying over 1.6 Oz. Au., and a surface Blow-out assaying .27 Oz. Au. A strong vein on the north - west side of No 1 where the Schist formation meets the Volcanic of Santo-Domingo Peak has been located assaying .22 Oz. Au. We have been working on another Vein formation on Lu-Ann No 3. It shows color, assays at this writing have to be taken. On all of this claims values show on all of this different formations. From a few hundred per cent to as high as 1.7 Oz. Au. At the Dragon No 2 shaft there is water available enough in the past to conduct milling operations.

There are also mine dumps of around 20, 25, 000 tons that assay around .08 Oz. Au. small silver content, and .13 % Vanadium. This Gold of the area is free-milling, and the writer believes this dump would pay - Leach. Another possibility of the property.

CAMPBELL INVESTMENTS  
BRIDGE APARTMENTS  
321 E. Center  
Wickenburg, Az 85358

John D. and Lillian A. Campbell  
Mining • Real-Property

Page No 3.

Conclusion , and Prospective.

On the south side of Santo-Domingo peak there is a Highly minerali ridge running around 4000 Ft. to the south untill it dips under the sedimentary formation . One this ridge maney of the old workings occure and it is the one on witch our present discoveries have been made .

In the writers opinion this property in order to prove it as a substancial producer need a well oriented drilling program on all potential mineral formations crossing this ridge specialy . It would be any easy matter to run a dozer cut for the entire length of the ridge . from the Foot of Santo-Domingo Peak abot 4000 Ft. to the Alluvial formatio

This cut would serve three purposes . It would expose to the eye all Mineral formations , it would serve as a site on where to make drillin pads off it , and . would serve as a road for to bringe in drilling equipment. With the past history of the area , and our new discoveries I belive this property hase much merit , and good potential.

For the Record :

The writer is not . or contends to be a geologist, but does know the basicis of it . And draws on the findings of information from thoes who are geologists , and his own life long experiance as a prospector, and miner . Besides it is hard to argue with ore in place .

Sincerely Presented by

  
John D. Campbell

**MELVIN H. JONES**  
Mining Geologist

9 February 1980.

**PRELIMINARY GEOLOGY EVALUATION REPORT, DRAGON MINE (Au,V), MARICOPA COUNTY, WICKENBURG, ARIZONA.**

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This property, prior to 1916 was known as a gold claim and was named the 'Julia'. During 1917 it became the property of the Dragon Mining and Development Company. It reputedly had gold values from \$3.73 to \$30.02 per ton when gold was priced at \$20.67 per oz. The mine of course, was called the Dragon then. Later, United Vanadium Corporation had the property for an unknown period of time, but the writer has not been able to locate any records verifying ore shipments.

**GEOLOGY.**

This mining property is immediately West of San Domingo Peak (El. 2714 ft.) in what is known as Monarch Wash, in the Wickenburg Mountains (South portion of the Bradshaws). The mineral carrying veins are highly silicious in a Ultramafic or Lamprophyric mass of dark colored rock of apparently Cretaceous age. The local area has been geographically mapped under State of Arizona guidance, and is shown as Cretaceous Andesites. However, the writer is more inclined to consider the basic rocks as something akin to PreCambrian Monsonites, for the reason that there are numerous pegmatic dykes crisscrossing the location (including area near the mine), thusly, indicating a likely basic type of rock structure, in the form of a batholith or laccolith.

The gold values are in free form in the silicious di-oxide, ferric stained, almost vertical veins. The Vanadium is in the form of scattered Vanadinite ( $Pb_5(VO_4)_3Cl$ ) in the darker portions of the same veins. These veins were probably formed in fault structures by ancient Metasomatic and Retrograde action. The nearby pegmatites are considered as epigenetic homogeneous in origin.

The pegmatite outcrops in the vicinity of the main mine shaft are most interesting, from an academic viewpoint. They are considered to be irregular lenses. Several contain abundant black tourmaline Xtals (Schorl). The basic pegmatic rock is probably Perthite with quartz, biotite, muscovite, lepidolite, phlogopite, sericite, and some albite feldspar. Close search will disclose an occasional Rubellite Xtals (pink). The more distant, but related, pegmatites in the San Domingo Wash area have Spodumene, Ambligonite, Bismuthinite, amorphous beryl, and other rare minerals.

In the Dragon mine area, some old vertical drill holes were found, indicating extensive exploratory action in the distant past (other than pitting, shafting, and aditing). If there are any old records covering this work, its whereabouts is unknown to the writer.

Water apparently was available for past mining operations. One old well was pointed out, but it had been filled with rocks by vandals. Mr. Campbell stated there is a water level up to about 100 feet below the collars of the shafts. It appears that adequate water could be obtained by drilling in the adjoining Monarch wash.

#### SURFACE INDICATED VALUES AND SAMPLING.

In the way of Vanadium, one old report (Exhibit D) shows the following:

Dump ore 0.18%  $V_2O_5$   
Table Concentrate 5.69%  $V_2O_5$   
Flotation Concentrate 2.05%  $V_2O_5$

Gold values (from old record) varies from 0.28 oz. to 2.70 oz. per ton. This is viewed as extremely on the high side by the writer. Another old report shows gold averages at about 0.20 oz. per ton, which is a more acceptable figure from visual examination of the potential ore (in sight). See Exhibit E)

It is to be pointed out that it is now impossible to go down the old shafts for sampling, due to hazardous conditions and the water level. Accordingly, two (2) samples were taken by the undersigned as follows:

Sample No.1 is from an ore outcrop (small pit) 200 ft. E. of main shaft. The sample was a channel cut on a  $2\frac{1}{2}$  ft. vein. It assayed at 0.18 oz. Au. (See assay report Exhibit F).

Sample No.2 was taken on the Lu Ann Extension, where there is an old 200 ft shaft. The strike here was E 10 deg. N. Dip is 70 deg. W. The assay report (Ex. F) shows "nil" in Au. However, Mr. Campbell says that his sampling in the past, has revealed Au up to 1 oz Au per ton, from the same location.

## SUMMARY AND RECOMENDATION.

Assuming a large mineable body of gold ore could be delineated, at the grade of 0.18 oz. per ton (or more), which at today's prices would be valued at \$135.00 per ton, this would be a profit making mine. At depth, the auriferous veins are reported to be of 3.5 feet width. By using the 'on site' pad leaching with cyanide, which is not costly, would make this mining profitable. Water can be developed at the mine.

There is about 1500 tons of potential gold ore on the dump. This should be carefully sampled and assayed.

Concerning the Vanadium values, one old report (Exhibit D) shows 0.18%  $V_2O_5$  on the dump. This would be worth about \$12.60 per ton according to recent Vanadium Pentoxide prices. In 1970  $V_2O_5$  was worth \$2.50 per pound (now it is only \$3.50 per lb.) The prices have not gone up 'skyhigh' like some other metals (gold, silver, lead, copper, etc.). Old newspaper accounts say there is a higher  $V_2O_5$  content in the Dragon mine, but this would have to be proven by more reliable information. United Vanadium Company (now Union Carbide Corp.) had the Dragon mine many years ago, but gave it up. If the mine was rich in  $V_2O_5$  they probably would have retained the mine. The principle Vanadium mine in the U.S. is at Wilson Springs, Ark. (owned by Union Carbide). But the vast bulk of Vanadium comes as co-products of Uranium, Titaniferous magnetite, and ferrophosphorous processing. If this metal reaches higher prices, then the Vanadium ore at the Dragon should be re-considered.

Additional exploration, including a drilling program (under supervision of a capable engineer), should be initiated.

Melvin H Jones  
Mining Geologist.

1601 Sandhill Rd., #36  
Las Vegas, Nevada, 89104

Post Script

2/25/80

Mr. Campbell recently obtained another sample on the Lu Ann Extension near where Sample #2 (in above narrative) was taken. This is 20 ft. inward from collar on East side of inclined shaft. Assay shows 0.30 oz. Au per ton of ore (see Exhibit G). At today's gold prices (\$639.68), this would show the sample to have a value of \$192.80 per ton. This new information enhances the gold potentialities of the Dragon property.

MHJ

August 15, 1913.

Arizona Corporation Commission,  
Phoenix, Arizona.

Gentlemen:--

Application of Investment Company  
No. 487, the Dragon Mining & Development Company,  
has been received and examined. It seems to be all-  
right in form, but no engineer's report is attached  
so I cannot judge of the merits of the property.  
I suppose there can be no objection to granting the  
permit, since the stock is to be sold only to those  
interested in the Company.

Very sincerely,

Director.

G.E.B.-C

JONES  
CHAIRMAN  
W. COLÉ  
MOS A. BETTS  
COMMISSIONERS

SAM W. PROCTOR  
SECRETARY

STATE OF ARIZONA  
ARIZONA CORPORATION COMMISSION  
PHOENIX



PLEASE ADDRESS ALL COMMUNICATIONS TO  
ARIZONA CORPORATION COMMISSION

August 5, 1918

FILE NO:

SUBJECT: INVESTMENT COMPANY NO. 487

Prof. G. M. Butler, Director,  
State Bureau of Mines,  
Tucson, Arizona.

Dear Sir:

Herewith enclosed renewal application  
of the Dragon Mining & Development Company for  
your attention.

Very truly yours,

Chief Clerk,  
DEPARTMENT OF CORPORATIONS.

MB

We have present stockholders who are willing to take the stock at this price, and therefore no confusion can be produced by giving authority to sell two blocks of stock at different prices; however, if this can not be done, then let the Permit authorize the sale of the stock at 10¢ per share.

Respectfully submitted,

DRAGON MINING AND DEVELOPMENT COMPANY,

By James G. Scarborough  
President

And E. P. Truitt.  
Secretary.

STATE OF CALIFORNIA, )  
County of Los Angeles, ) ss.

James G. Scarborough, President, and E. P. Truitt, Secretary of the Dragon Mining and Development Company, of Wickenburg, Arizona, of lawful age, being first duly sworn, depose and say that they have each read the foregoing Supplement to Application for Permit, and know the contents thereof, and that the statements and allegations therein contained are true.

James G. Scarborough  
President.

E. P. Truitt  
Secretary.

Subscribed and sworn to before me  
this 2nd day of August, 1918.

Verna J. Aldrich  
Notary Public in and for the County  
of Los Angeles, State of California.  
(My Commission expires Dec. 27, 1921.)

(Seal)



DRAGON MINING AND DEVELOPMENT COMPANY.

SUPPLEMENT TO ITS APPLICATION FOR PERMIT, INCORPORATING ANSWERS TO ADDITIONAL QUESTIONS PROPOSED.

1. Q. Amount of stock given in exchange for property, giving list of individual owners.

A. 550,000 shares for the mining property and \$5,000 in cash, of which stock the incorporators of the Company sold 85,000 shares for the \$5,000, and the remaining 465,000 shares represents the property. These facts were reported in the Company's first and original application for license to do business.

The following is a list of the present holders of the 465,000 shares:

H. L. Dietcher -----	84,250	shares
J. F. Newman -----	81,250	"
James G. Scarborough ---	216,800	"
Frank L. Strohmer -----	15,000	"
Samuel G. Rothburg -----	10,000	"
Thomas J. Quinn -----	10,000	"
W. J. Squire -----	12,000	"
Martin Hertz -----	2,000	"
S. E. Whitney -----	2,500	"
Cora E. Broadwell -----	3,000	"
H. Hertz -----	100	"
Arthur Steinen -----	100	"
Mrs. M. Clophein -----	12,000	"
Lucia L. Thompson -----	7,000	"
Edwin Alexander -----	1,500	"
David Laidar -----	7,500	"
Total ---	465,000	"

2. Q. Amount of stock sold and at what price?

A. 250,000 shares at 10¢ each.

3. Q. Amount of stock now in treasury?

A. 200,000 shares.

4. Amount Company desires to sell; at what price, and what commission?

A. The Company desires to sell 30,000 shares at 10¢ per share, and 50,000 shares at 15¢ per share - no commission.

**UNION GROUP (Formerly Dragon Mine)**

**DRAGON MINING DIST.**

**YAVAPAI CO. ARIZ.**

**Owner: Mr. C. J. Berry,  
Box #42,  
Wickenburg, Ariz.**

**From Wickenburg - 4 miles on Highway  
#70 toward Phoenix. 2 miles east on  
road up San Domingo wash.**

This mine was formerly worked by the United Vanadium Corporation.

The country rock is schist and the vein gangue is barite. The shaft is accessible to 90 feet. The mine is beginning to cave. The water starts at 155 foot level. There were 3000 tons of ore of the same character as the following samples:

#1: Dump Ore.....0.18%  $V_2O_5$

#2: Table concentrate.....0.68% \*  
500 lbs. or more

#3: Flotation concentrate...2.05% \*  
2000 lbs. or more

Samples #2 and #3 were left in the mill building by former operators - these, with sample #1 were samples by the writer and assayed by Hawley & Hawley. taken

Due to the lack of tonnage of vanadium ores in this mine I recommend that no interest be taken at this time.

Submitted by

esm/Dan Harris  
Aug. 4th, 1942.

D

P.O. Box 1297  
684-2539

CAMPBELL INVESTMENTS  
BRIDGE APARTMENTS  
321 E. Center  
Wickenburg, Az 85358

John D. and Lillian A. Campbell  
Mining • Real-Property

April 30 , 1982

*File Dragon Mines*  
RECEIVED

MAY 3 1982

DEPT. MINERAL RESOURCES  
PHOENIX, ARIZONA

State of Arizona  
Department of Mineral Resources  
Mineral Bldg . Fairgrounds  
Phoenix , Az. 85007

Attn : Mr. Nyal J. Neimuth

Re. Small Arrastre . offered by Mr. Mike Gimple.

Dear Mr. Niemuth :

The ownership of this arrastra or anything else on this property formerly known as the Dragon Mines now the Lu-Ann group you may say is a moot question . There is in force a certain purchase agreement between Mr. Gimple , and myself he has made to me a small part of the total purchase price , and maney more such payments will have to be made before he obtains title to this property .

But as far as the arrastra is concerned I am more then pleased that your Dept. would be interested in it . If I had thought of this I would have offered it myself . Where it is anything may happen to it . It may be in Mr . Gimples way for his developing work , or vandals may destroy it .,

So as far as I am concerned the Department of Minerals has my permission to remove this mining artifact of a by-gone era . You may say as a donation from Mr. Gimple , and Myself .

Sincerely ,

*John D. Campbell*  
John D. Campbell

C. C. to Mr. Gimple .

## DRAGON MINE ARRASTRE

Visited: March 29, 1982

Engineer: Nyal Niemuth

At the invitation of Mike Gimple, mine owner and in the company of Chris Crecelius, tour guide, we visited the Dragon mine, (T7N R4W Sec 23, SW $\frac{1}{4}$ ), Yavapai County. In an area of mineralization that Mr. Gimple wants to expose and trench lies a nearly complete arrastre. To preserve it, Mr. Gimple would like to donate the arrastre to the Department. The purpose of the visit was to examine, photograph and measure the arrastre to evaluate the task of moving it to the Department.

The arrastre is eight feet in diameter with two approximately 300 pound dragstones (roughly 30" X 18" X 12") and about twenty-five smaller rocks lining the circular pit. The floor stones were not all visible due to soil cover. Those visible including a few removed from the arrastre are less than 150 pounds in size. The main cross bar is a wooden 4" X 6", 15 feet long. Other wood pieces present include the pivot post and two 6' long 4" X 6"s. Some steel braces and pins are still attached, but the main pivot pin is missing.

There is a track loader on the property available to lift the main dragstones and made a short road (75') to the arrastre. All the other stones can probably be loaded by hand. It will take two pick-up truck loads to carry the weight depending on the weight of the floor stones.

**DEPARTMENT OF MINERAL RESOURCES**

**STATE OF ARIZONA  
FIELD ENGINEERS REPORT**

Mine Dragon (MIL # 331)

Date January 17, 1983

District San Domingo

Engineer Nyal Niemuth and Ken Phillips

Subject: Mine Visit

Examined pegmatites around the Dragon Mine for beryl. None was found; although further prospecting on two areas is recommended.

Met with Dave Lorge, geologist for S and G Mining on the property. Four 800' - 1,000' N--S cuts 600' apart have been made with a cat ripper blade and also around the main shaft area of the Dragon. The cuts are surveyed (Brunnton and tape) and mapped. Sampling of ripped material is being done to determine location of the drill holes. The plan is to drill at least 8 holes. Drilling by Longyear should commence by January 22, 1983. The target is to find disseminated Au within 200' of the surface.

Geology - Of interest is the repetition on 4 - 8' scale of hematitic-Au alterations in Yavapai schist. Three to four of the higher grade alterations were drifted or sunk on by the old timers. Trend of their workings was generally E-W (N70W). Of much interest are the thermal spring systems evidenced by scattered remnants of tufa in the project area.

Change the access in the file to be via San Domingo Wash. The access up the wash just north of the rest area is closed now by a private land owner due to a dispute with previous mine operators. (Over contributions to road maintainance)

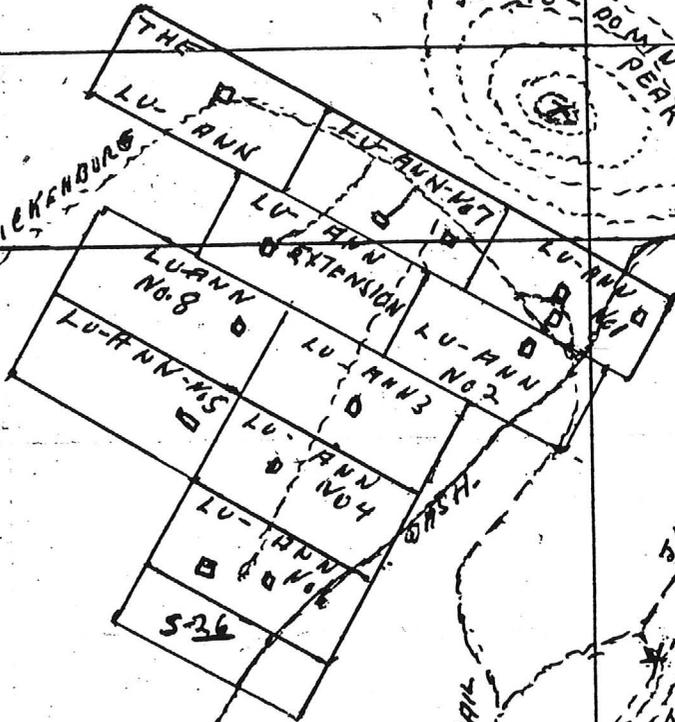
T-7-N, R-4-W-

S-23

S-24

S-25

ROAD TO WICKENBURG



SANTO DOMINGO PEAK

JEEP-TRAIL

JEEP-TRAIL

SANTO-DOMINGO WASH

JEEP-TRAIL

WASH

WASH

WELL

LU-ANN-GROUP-10-  
LODE-MINING-CLAIMS.



ARIZONA CORPORATION  
PHOENIX



PLEASE ADDRESS ALL COMMUNICATIONS TO  
ARIZONA CORPORATION COMMISSION

August 5, 1913

FILE NO.

SUBJECT. INVESTMENT COMPANY NO. 487

Prof. G. M. Butler, Director,  
State Bureau of Mines,  
Tucson, Arizona.

Dear Sir:

Herewith enclosed renewal application  
of the Dragon Mining & Development Company for  
your attention.

Very truly yours,

Chief Clerk,  
DEPARTMENT OF CORPORATIONS.

MB

August 15, 1913.

Arizona Corporation Commission,  
Phoenix, Arizona.

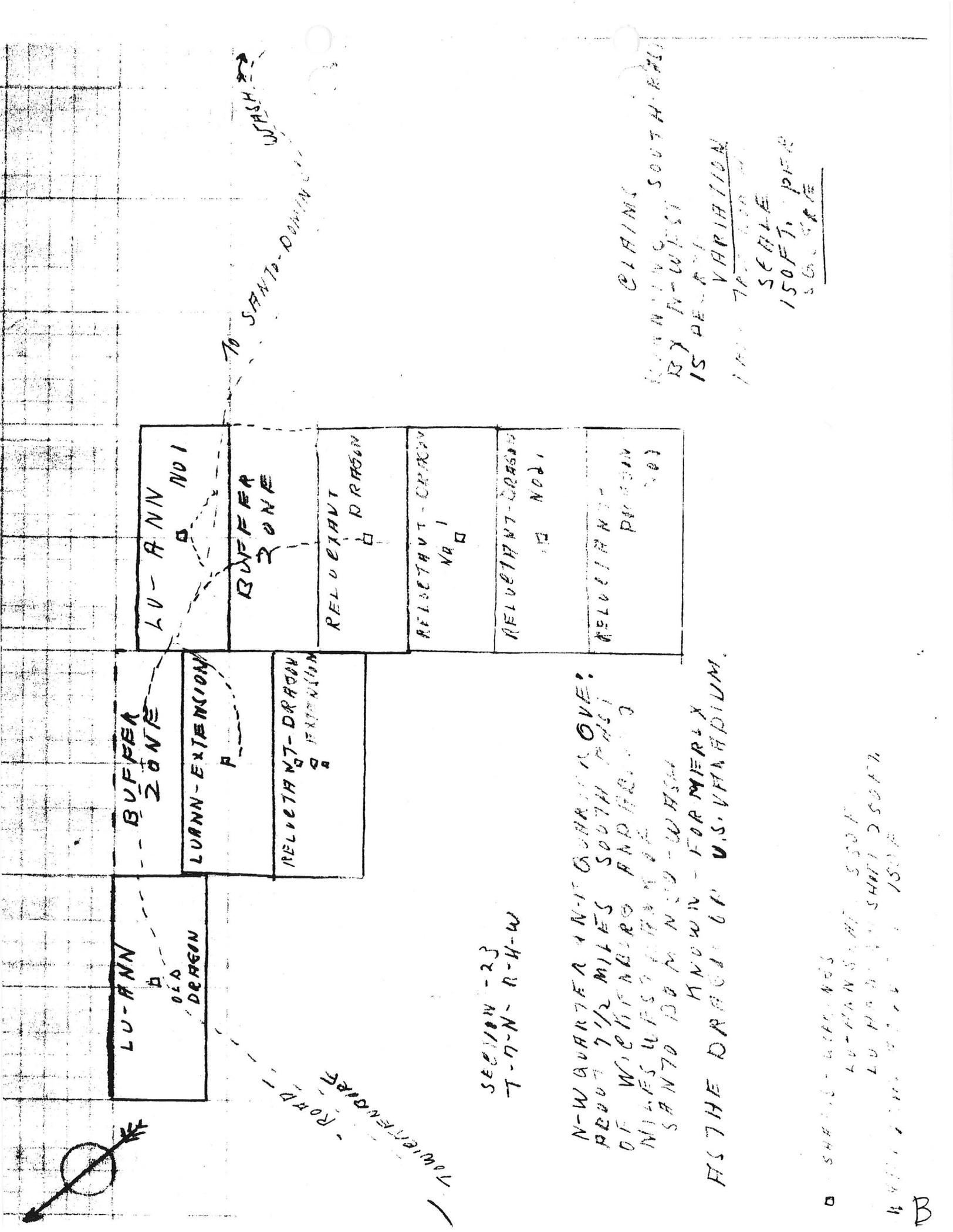
Gentlemen:--

Application of Investment Company  
No. 487, the Dragon Mining & Development Company,  
has been received and examined. It seems to be al-  
right in form, but no engineer's report is attached  
so I cannot judge of the merits of the property.  
I suppose there can be no objection to granting the  
permit, since the stock is to be sold only to those  
interested in the Company.

Very sincerely,

Director.

G.M.B-C



LU-ANN  
DRAGON

LUANN-EXTENSION

LU-ANN NO 1

REFLECTANT-DRAGON  
EXTENSION

REFLECTANT-DRAGON

REFLECTANT-DRAGON

REFLECTANT-DRAGON  
NO 1

REFLECTANT-DRAGON  
NO 1

REFLECTANT-DRAGON  
NO 1

TO SANTA-DOMINGO WASH.



ROAD  
WRIGHTSBURG

SECTION - 23  
T-7-N- R-4-W

N-W QUARTER 4 N-1/4 QUARTER 106:  
ABOUT 7 1/2 MILES SOUTH EAST  
OF WICHITA, NEBRASKA AND APPROX 10  
MILES WEST OF PRINCE  
SANTO DOMINGO WASH  
KNOWN - FORMERLY  
AS THE DRAGON OF U.S. VETERANIUM.

CLAIMS  
KNOWN - SOUTH H. R. 100  
BY N-WEST  
IS REFLECTANT  
VARIATION  
SCALE  
150 FT. PER  
500 FT.

SHARPLESS  
LU-ANN DRAGON 550 FT  
LU-ANN DRAGON 550 FT  
LU-ANN DRAGON 550 FT

B

U N I O N   G R O U P (Formerly Dragon Mine)

DRAGON MINING DIST.

YAVAPAI CO. ARIZ.

Owner: Mr. C. J. Berry,  
Box #42,  
Wickenburg, Ariz.

From Wickenburg - 4 miles on Highway  
#70 toward Phoenix. 2 miles east on  
road up San Domingo wash.

This mine was formerly worked by the United  
Vanadium Corporation.

The country rock is schist and the vein gangue  
is barite. The shaft is accessible to 90 feet. The mine is  
beginning to cave. The water starts at 155 foot level. There  
were 3000 tons of ore of the same character as the following  
samples:

- #1: Dump Ore.....0.18% V<sub>2</sub>O<sub>5</sub>
- #2: Table concentrate.....0.68% \*  
500 lbs. or more
- #3: Flotation concentrate...2.05% \*  
2000 lbs. or more

Samples #2 and #3 were left in the mill building  
by former operators - these, with sample #1 were samples/by the  
writer and assayed by Hawley & Hawley. taken

Due to the lack of tonnage of vanadium ores in  
this mine I recommend that no interest be taken at this time.

Submitted by

esm/Dan Harris  
Aug. 4th, 1942.

**IRON KING ASSAY OFFICE**  
**ASSAY CERTIFICATE**

247  
 BOX 14 PHONE 632-7410  
 HUMBOLDT, ARIZONA 86329



ASSAY  
 MADE  
 FOR

[ Melvin Jones  
 Box 1196  
 Wickhamburg 172. 85358 ]

Feb 4 1983

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag	% Fe	% Pb	% Zn	% Cu
1-11-14	Dragons #1	.180					
1-11-22	" #2	.111					
1-11-23	<del>Oregon Swindon</del>	<del>.111</del>					

CHARGES #1425 \_\_\_\_\_

ASSAYER \_\_\_\_\_

# Arizona Testing Laboratories

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

For **Campbell Investments**  
 Post Office Box 1297  
 Wickenburg, AZ. 85358

Date **February 20, 1980**

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
4459	LuAnn Extension:						
	East Drift	0.30	0.25	↙			
	West Drift Face	0.06	0.05				
	Red Crown:						
	Shaft East	0.01	1.6	0.03 %			
	Shaft West	0.02	0.40	0.04 %			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean, Jr.*

Claude E. McLean, Jr.



# ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.

815 WEST MADISON STREET

PHOENIX, ARIZONA 85007

PHONE 254-6181

For **Campbell Investments**  
**Mr. J. D. Campbell**  
**Post Office Box 1297**  
**Wickenburg, Arizona 85358**

Date **December 15, 1975**

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
937	Anne #1 East Drift	0.03	0.05				
	Anne #2 East Drift-Face	0.10	0.30				
	Anne #3 Slope off East Drift	0.01	0.05				
	Anne - Tailing Pile	0.10	0.30				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean Jr*

Claude E. McLean, Jr.

# ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.  
817 WEST MADISON ST. PHOENIX, ARIZONA 85007

PHONE 254-6181

For **Mr. J. D. Campbell**  
Post Office Box 1297  
Wickenburg, Arizona 85358

Date **April 7, 1976**

Sample of **Ore**

Received: **4-5-76**

Submitted by: **same (mail)**

## ASSAY CERTIFICATE

Gold figured at \$ **128.00** per ounce

Silver figured at \$ \_\_\_\_\_ per ounce

LAB. NO.	IDENTIFICATION	GOLD		SILVER		PERCENTAGES	
		OZ. PER TON	VALUE	OZ. PER TON	VALUE		
1641	<b>Luann Extension:</b>						
	Parallel Vein	0.03	\$ 3.84				
	Shaft	0.61	78.08				
	Small Shaft West	0.04	5.12				
	<b>Reluctant Dragon:</b>						
	#1 open cut	0.01	1.28				
#2 open cut	0.01	1.28					
#2 ore stockpile	0.16	20.48					

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean Jr*

Claude E. McLean, Jr.

# Arizona Testing Laboratories

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

For **Campbell Investments**  
**Post Office Box 1297**  
**Wickenburg, AZ. 85358**

Date **February 20, 1980**

## ASSAY CERTIFICATE

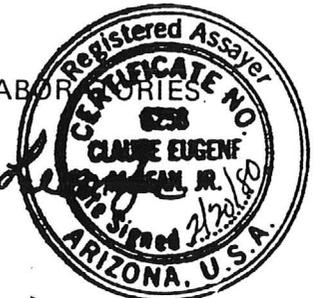
LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
4459	LuAnn Extension:						
	East Drift	0.30	0.25				
	West Drift Face	0.06	0.05				
	<del>Red Crown:</del>						
	<del>    Shaft East</del>	<del>0.01</del>	<del>1.6</del>	<del>0.03 %</del>			
	<del>    Shaft West</del>	<del>0.02</del>	<del>0.40</del>	<del>0.04 %</del>			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean, Jr.*

Claude E. McLean, Jr.



# Arizona Testing Laboratories

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

For Campbell Investments  
 Bridge Apartments  
 321 East Center  
 Wickenburg, Arizona 85358  
 ATTN: Mr. J. D. Campbell

Date May 13, 1981

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
<del>1552</del>	<del>1. Hope Center vein</del>	<del>0.16</del>					
	<del>2. Hope North vein west</del>	<del>0.05</del>					
	3. Louann #1 open cut east	0.01					
	4. Louann #1 west blow out surface	1.6					
	5. Louann #4 bottom open cut	1.7					
	6. Louann #4 surface blow out	0.27					
	7. Louann #4 west end open cut	1.4					
	8. Louann #10	0.21					
	<del>9. Warrior ore stockpile</del>	<del>0.23</del>					
	<del>10. Warrior #1</del>	<del>0.23</del>					
	<del>11. Warrior #2</del>	<del>0.09</del>					

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E. McLean, Jr.*

Claude E. McLean, Jr.



# Arizona Testing Laboratories

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

For **Campbell Investments**  
**Post Office Box 1297**  
**Wickenburg, Arizona 85358**

Date **December 1, 1976**

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD		
3108 <i>LU-ANN</i>	No Mark <i>D</i>	0.05	0.20		<i>0.10</i>		
	NO. 2 Material in tanks	0.02	0.05				
	<del>No. 4 Surface Blow-out East</del>	<del>nil</del>	<del>0.15</del>				
	<del>No. 6 Big Red Surface Blow-out</del>	<del>nil</del>	<del>0.05</del>				
<i>LU-ANN</i>	Tailings Pond Material	0.06	0.25				
	<del>Bull-Horn</del>	<del>0.02</del>	<del>1.70</del>		3.10%	<i>3 1/2</i>	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean Jr*

Claude E. McLean, Jr.

# Arizona Testing Laboratories

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

For Campbell Investments  
 Post Office Box 1297  
 Wickenburg, Arizona 85358

Date July 2, 1980

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD		
6648	Hope Incline Dump	0.13					
	Hope Main Dump	0.04					
	Hope 1 Chip 1	0.06					
	Hope 1 Chip 2	0.12					
	Hope 1 Chip 3	0.04					
	LuAnn Dump	0.07	Nil				
	Warrior Open Cut	0.06	Trace				
	Re Crown Open Cut	0.03	0.80		4.7		
	Table Cone Test 1	0.70	Trace				

Respectfully submitted,

ARIZONA TESTING LABOR

Claude E. McLean, Jr.

Claude E. McLean, Jr.



# Arizona Testing Laboratories

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

For Campbell Investments  
Post Office Box 1297  
Wickenburg, Arizona 85358

Date March 23, 1981

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
0681	<del>Hope middle vein 30' shaft</del>	<del>0.12</del>	<del>0.05</del>				
	Luann #1, small pit	0.31	0.10				
	Luann #3, open cut	1.1	0.25				
	Luann #4, old Addit	0.25	0.10				
	Table Cons., Luann	2.1	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*Claude E McLean, Jr.*

Claude E. McLean, Jr.



# ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.  
817 WEST MADISON ST. PHOENIX, ARIZONA 85007

PHONE 254-6181

For **Mr. J. D. Campbell**  
Post Office Box 1297  
Wickenburg, Arizona 85358

Date **April 7, 1976**

Sample of **Ore**

Received: **4-5-76**

Submitted by: **same (mail)**

## ASSAY CERTIFICATE

Gold figured at \$ **128.00** per ounce

Silver figured at \$ \_\_\_\_\_ per ounce

LAB. NO.	IDENTIFICATION	GOLD		SILVER		PERCENTAGES	
		OZ. PER TON	VALUE	OZ. PER TON	VALUE		
1641	<b>Luann Extension:</b>						
	Parallel Vein	0.03	\$ 3.84				
	✓ Shaft	0.61	78.08				
	Small Shaft West	0.04	5.12				
	<b>Reluctant Dragon:</b>						
	#1 open cut	0.01	1.28				
	✓ #2 ore stockpile	0.16	20.48				

Respectfully submitted,

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