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PRINTED: 09-04-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TRAILS END

ALTERNATE NAMES:

CLORINDA SHAFT
TOBY SHAFT
ARIZONA-KLONDIKE
CIRCLE CROSS
GOLD RIDGE CLAIMS

YAVAPAI COUNTY MILS NUMBER: 1247

LOCATION: TOWNSHIP 11 N RANGE 2 W SECTION 1 QUARTER SW
LATITUDE: N 34DEG 19MIN 08SEC LONGITUDE: W 112DEG 25MIN 38SEC
TOPO MAP NAME: BATTLESHIP BUTTE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD
SILVER
COPPER

BIBLIOGRAPHY:

ADMMR TRAILS END MINE FILE

Mildred and W. C. Dean working Trails End mine (formerly Gold Ridge Claims) in Sec. 1, T11N, R3W (Formerly held by Grace Randall et al) Fairly high grade Au in quartz.
FTJ WR 5-22-70

Active Mine List May 1970 - 3 men - W. C. & Mildred Dean, Goodwin

A small gold mine started operations NE of Kirkland Jct, Trails End Mine by Mildred and W.C. Dean. This was formerly the Gold Ridge Claims, in Sec. 1, T11N, R3W.
FTJ QR 6-30-70

Active Mine List Oct. 1970 - 3 men

3-26-75 Jim Butler leasing this property. H

Information from Mel Jones, 9/24³/75 - New cement collar around shaft at mine.

CJH WR 12/12/80: George E. Travis, P.E. Consultant, 125 E. Whipple Place, Prescott Ariz, 86301, phone 778-4568, was a visitor in the office. Interested in the following mines in Yavapai County: Trails End, Indian Girl, Transcendent, and DeSoto. Pulled mine files.

NJN WR 1/28/83: Neal "Art" Mischke, Trails End Enterprises, P.O. Box 59, Star Route, Kirkland, AZ. 85332, Mobile phone 778-8456, visited. He reported cleaning out the Trails End Mine, Yavapai County, shaft to the first level and is also drifting on the vein to the northeast of the shaft. The vein is 4-5 feet wide with a horse of schist often present. Grade of the vein material is about 1/2 oz Au/ton plus some silver. The material is processed at a mill about 5 miles to the southwest where it is run thru a gravity mill, amalgamated and then retorted in a furnace. Mr. Mischke reported he would like to sell the property and is currently showing it to an unidentified Canadian group.

v

NJN WR 12/20/85: Visited trails End Mine (f) and mill, Yavapai County with Ken Phillips at the request of owner Neil Mischke (c). Samples were taken, when assayed their description and the results will be placed in the file.



TRAILS END MINE & MILL



HC 68 BOX 901, KIRKLAND, ARIZONA 86332
(602) 778-8456

12 July 1990

H. Mason Coggin
317 Griswald
Phoenix, AZ 85020

Dear Mr. Coggin,

We have enjoyed your news letters very much. Reading through your April 16, 1990 edition, we thought you might like to see our precious metals target, for your consideration. Any information or suggestions you wish to make would be greatly appreciated.

We are the owners of 21 unpatented lode mining claims, the **TRAILS END & GOLD RIDGE GROUPS**, Township 11N, Sections 1, 2, 11 & 12 of Range 2 W, & Section 6 of Range 1 W, G.S.R.B. & M., Yavapai County, Arizona. These claims are located on the west slope of the Bradshaw Mountains, 10 air miles due south of Prescott and cover a potential gold deposit whose surface length is estimated as greater than 10,500 feet.

The property was purchased by us in 1978, and we have continued the development of the holdings, obtained 100% clear titles and re-searched it's past history. After satisfying ourselves of the existence of substantial quantities of commercial grade ores, we offered it for lease, with a purchase option, in 1982.

In 1983, Bridgewest Development Corp. and Unistar Technologies Corp. purchased the mineral claims for \$2,000,000, on an industry standard "Percentage of Gross" contract, with an "Option to Purchase". After spending about \$50,000 on an engineering report, and limited test drilling, they ran into a "Cash Flow Problem" with their other properties, when gold dipped below \$400 per oz. They reluctantly had to abandon this, and all their other projects, when they were forced out of business. Some samples obtained by their engineer were as high as 2.68 oz. AU per ton of quartz ore.

There are several declines on the vein that provide access for underground inspections and sampling. We continue to mine on a small scale and to improve the property. By the Spring of 1985 we had completed a new ladderway down to the first and second drifts, of the Clarinda Shaft, which is 140' deep. It is now supplied with fresh air, electricity, compressed air and water. It is ready for inspection and sampling at any time.

Mr. Ken Phillips and Mr. Nyal Niemuth, Engineers with the Arizona Department of Mineral Resources, visited the property in December of 1985. They took numerous samples, measurements and notes, and said they were favorably impressed. Numerous other reports and data are on file at the Arizona Department of Mineral Resources offices in Phoenix, AZ, going back to 1907.

We have driven a drift into the side of a hill located about 1/2 mile northeast of the Clarinda Shaft. Our ore vein, at this point, is 5 feet across and running about .25 oz. Au/ton and increasing as we go further in from the surface.

At this time we are also offering to include the **TRAILS END MILL SITE** in a very favorable "cash out" type of sale, if that is desired, instead of a mineral lease. The mill site is located 6 miles west of the mine, 6 miles east of the paved road and our mail box and includes a 2-BR stone house, a large trailer house (with built-on's), a complete 24 ton/day quartz reduction mill with concentrators, 2 large workshops, several diesel and gasoline generators, dump truck, crane truck, D-8 Cat tractor, air compressor with rotary drills and bits, deep well water system, including 10,000 gallon storage tanks, 8,000 gallon fuel storage and dispensers, road grader, Bobcat loader, 800 gallons of propane storage, chickens, gardens and a reliable free watchman with guard dog. In fact, everything needed to make it into a "turn-key" type of mining operation. All it needs is some manpower to start producing small quantities of very high grade doré in a few days, not months from now. This would allow some cash flow, while further exploration and development of the property continues. We will be happy to teach the complete blasting, mining, milling and smelting operation to any buyer.

The purchase price, lease terms, etc. are negotiable. However, because of age and physical problems coming on, a very favorable cash out price could be negotiated. We are asking \$500,000. If after viewing and testing the property, you care to make an offer, we will be happy to consider any, repeat, any reasonable proposal.

Recent studies, by a local engineer, suggest several parallel veins on the property. The dips of the various veins seem to indicate they meet underground, which he thinks will be a high value area. His assays indicate the entire vein should average .25 to .50 AU oz. per ton.

We live in the 2BR house at the mill site and would be happy to show the property at your convenience. Please feel free to contact us with any questions or to discuss the property further. We are on a Prescott area direct dial mobile phone, and during regular business hours there may be lots of traffic on our single frequency, so keep trying. There is an automatic 3 min. cut-off on this phone system. We didn't hang up on you! If we are cut off, please call back as many times as necessary.

Several mineral surveys, a proposed contract and a video tape of our operation are available to financially responsible interested persons.

Sincerely,

Neal A. Mischke
Neal A. Mischke, owner



TRAILS END MINE & MILL



HC 68 BOX 901, KIRKLAND, ARIZONA 86332
(602) 778-8456

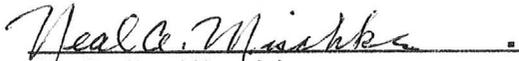
19 July 1990

H. Mason Coggin
317 Griswald
Phoenix, AZ 85020

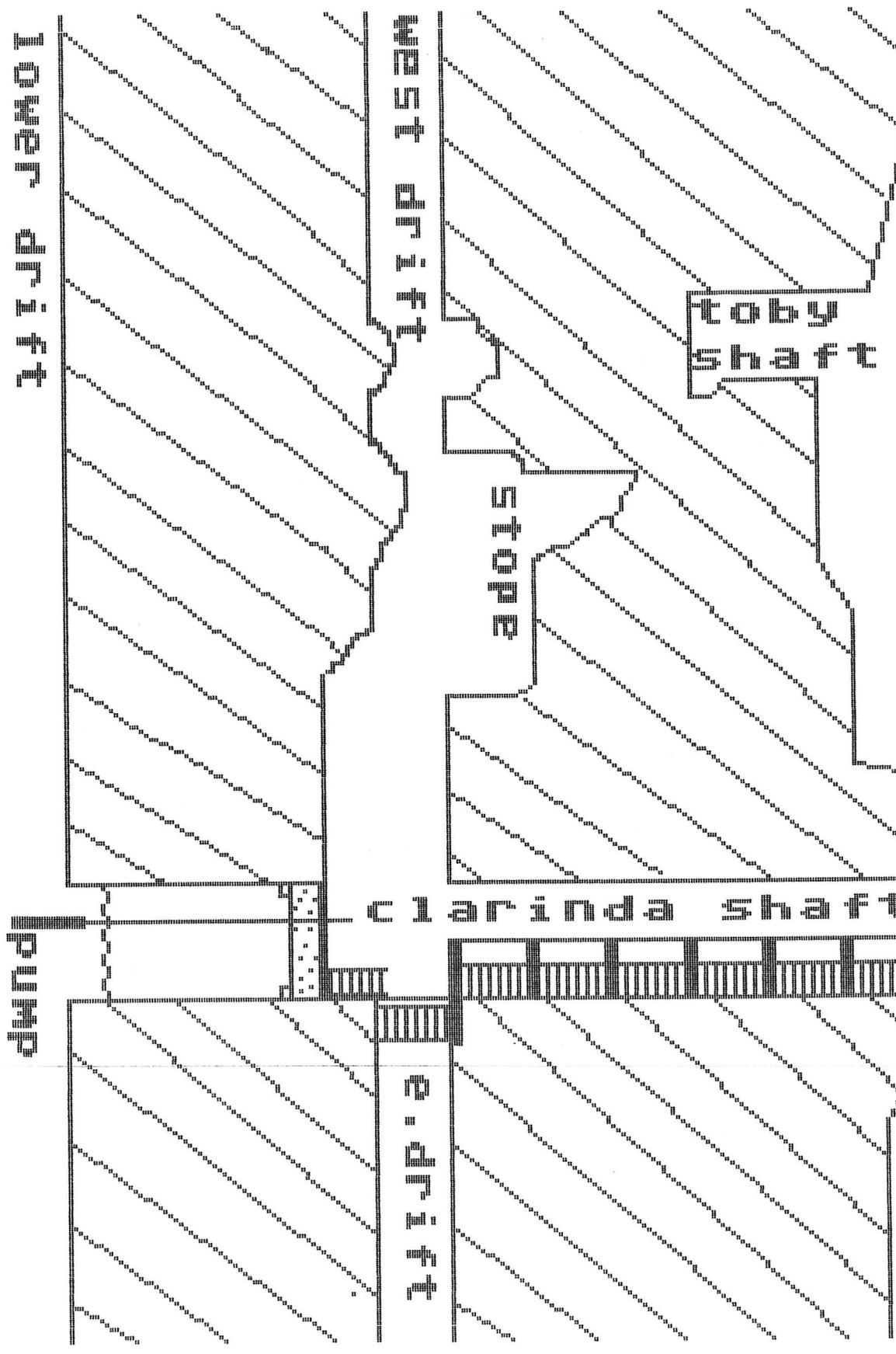
Dear Mr. Coggin,

We sent you a precious metals target on the 12th of July, 1990. We inadvertently forgot to include a report and map. Enclosed we are pleased to include them now.

Thank you,


Neal A. Mischke

TRAIL'S END MINE



west drift

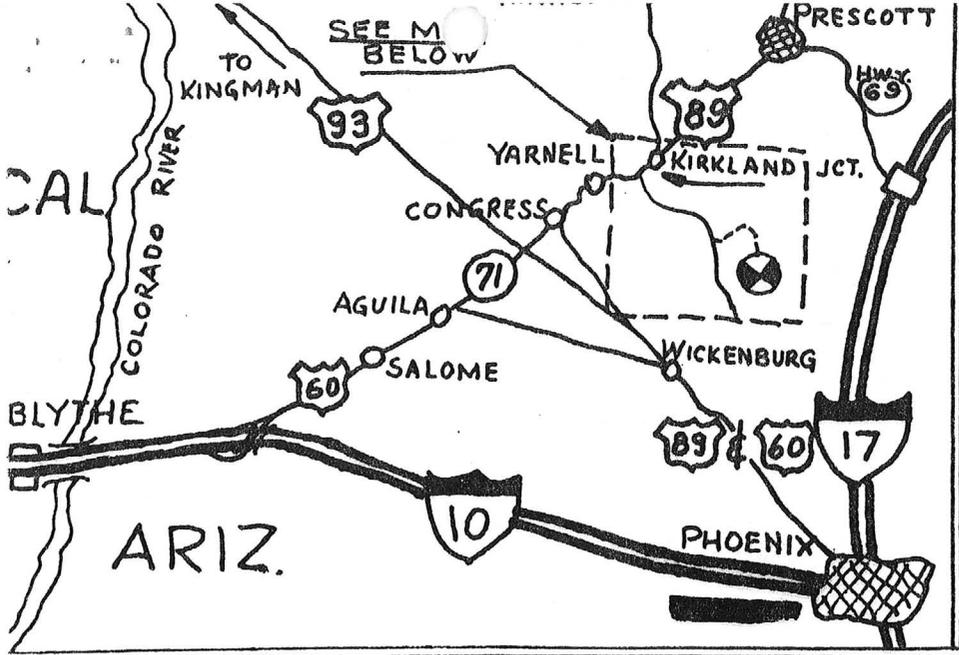
toby shaft

stope

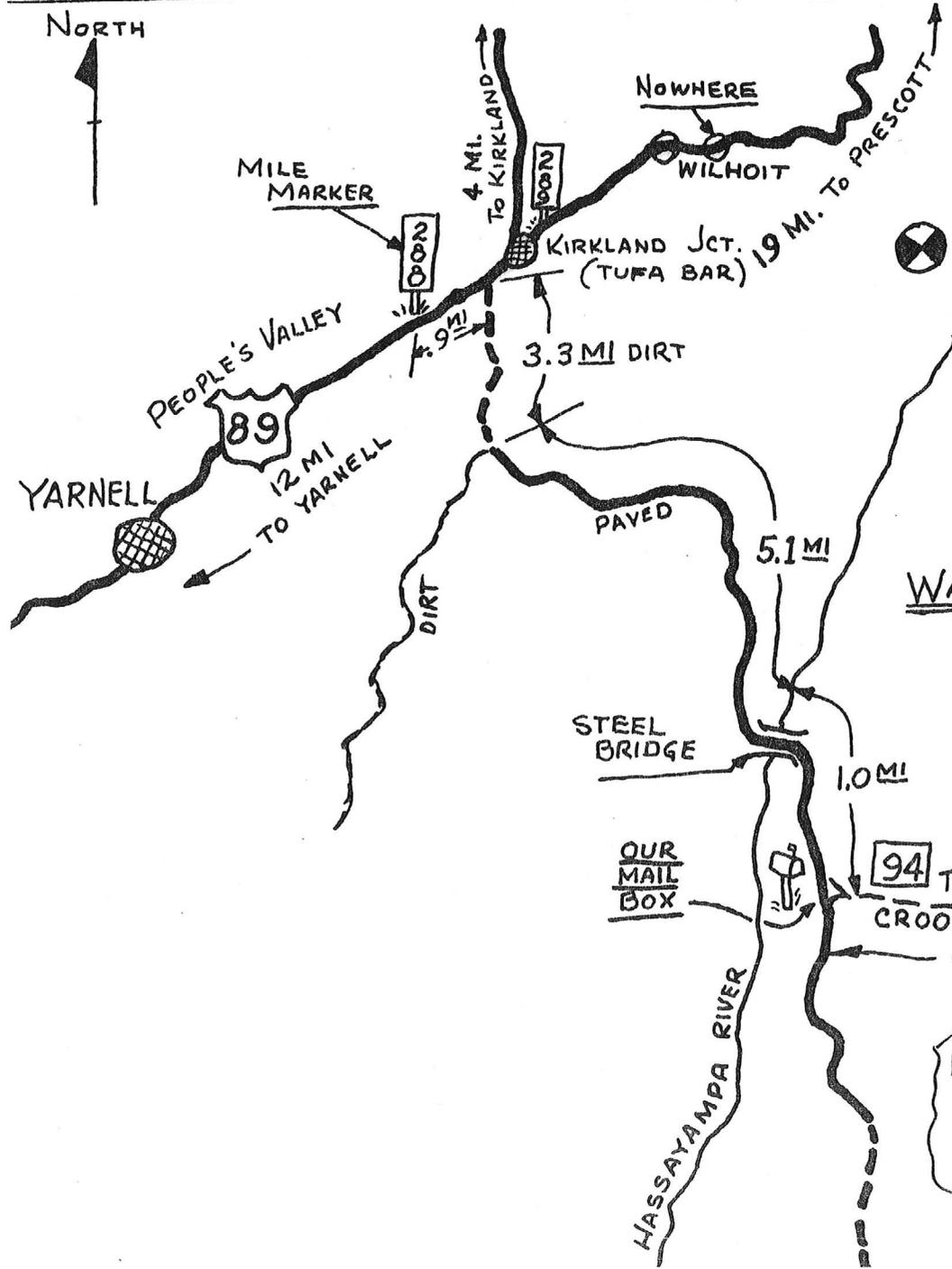
Clarinda shaft

e. drift

pump



H.C. 68 BOX 901
KIRKLAND, ARIZONA 86332

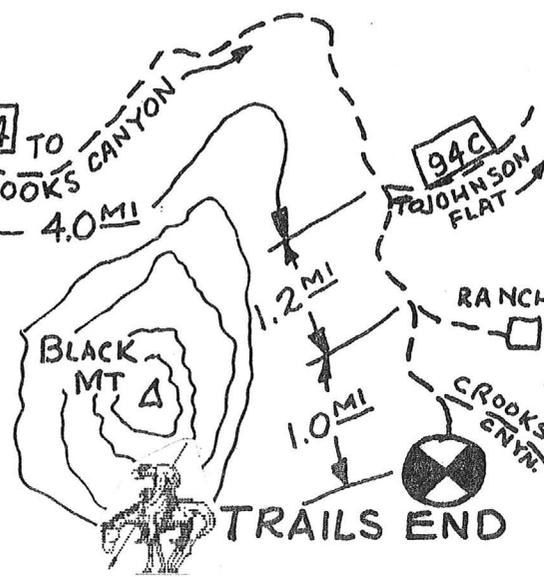


PHONE: (602) 778-8456
(A DIRECT DIAL MOBILE)
FROM PRESCOTT

⊗ = TRAILS END MINE & MILL
H.C. 68 BOX 901
KIRKLAND, AZ. 86332

NEAL MISCHKE - PROP.
CB CHN. 21
"BROKEN PICK"

WARNING:
WATCH OUT FOR
CATTLE ON ROADS





Department of the Interior

OFFICE OF HEARINGS AND APPEALS
INTERIOR BOARD OF LAND APPEALS
4015 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22203

UNITED STATES

v.

W. C. DEAN AND MILDRED W. DEAN

IBLA 73-373

Decided December 21, 1973

Appeal from a decision by Administrative Law Judge Graydon E. Holt dismissing a contest to determine the validity of a millsite.

Affirmed.

Millsite found valid

Mining Claims: MILL SITES; PRACTICE AND PROCEDURE - Contests - generally

Although a millsite may be declared invalid when its only use is in connection with a mining claim which is declared invalid, a millsite can be contested separately and declared invalid when evidence establishes it is not being used for mining or milling purposes, independent of the issue of the validity of the mining claim.

Mining Claims: MILL SITES

A millsite is used for mining or milling purposes if the use is a function or utility intimately associated with the removal, handling or treatment of the ore from the vein or lode. Some step in or directly connected with the process of mining or some feature of milling must be performed.

Mining Claims: PRACTICE AND PROCEDURE - Administrative Law Judge - Contests - generally - Hearings - burden of proof - evidence; MILL SITES

An Administrative Law Judge may properly dismiss a millsite contest if the Government makes an inadequate prima facie showing that the millsite is invalid either as a dependent or independent claim, and evidence shows use and occupation of the site for mining and milling purposes.

APPEARANCES: Demetrius J. Augustine, Esq., Office of the General Counsel, U.S. Department of Agriculture, Albuquerque, New Mexico, for the United States; John F. Mills, Esq., Twitty, Sievright, and Mills, Phoenix, Arizona, for appellee.

OPINION BY MRS. THOMPSON

The Forest Service, United States Department of Agriculture, appearing on behalf of the United States, has appealed from a decision by Administrative Law Judge Graydon E. Holt dated April 20, 1973, dismissing a contest to determine the validity of the Dean Millsite located in Sec. 20, T. 11 N., R. 2 W., Yavapai County, Arizona. This millsite is within the Prescott National Forest and was located on December 18, 1969, and amended June 8, 1970. It is associated with seven lode mining claims located within several miles of the millsite.

The Bureau of Land Management, at the request of the Forest Service, filed a contest complaint charging that:

- a. The Dean Millsite claim is not occupied by a mill or reduction works for ores.
- b. The millsite is not being used for purposes related to mining and milling.

The Judge, in dismissing the complaint, ruled that the contestant did not make a prima facie showing that all the lode claims associated with the millsite were invalid and failed to establish that the millsite is not being used for mining or milling purposes.

He succinctly summarized the facts in this case:

The Dean Millsite was located on December 18, 1969, and amended June 8, 1970 (Tr. 7). It is within the Prescott National Forest approximately 15 miles southeast of Kirkland Junction, Arizona. Previously, Mr. Dean had a mill site some distance away. After making preliminary improvements on the new site in 1971 he removed his improvements from the old site (Tr. 24). At the time of the hearing the present mill site contained a small mill with a primary jaw crusher, a secondary crusher, buck elevators, roll crusher, conveyors, a ball mill, shaker table, amalgamation drum, a retort, tables, a gold trap, and a sluice box (Tr. 25). There were also a number of improvements consisting of a trailer with a frame addition making a building 20 x 65 feet, a plywood shed 8 x 14 feet, a tool shed 16 x 40 feet, two water towers, and a rock house (Tr. 9) (Exhs. 5-A - 5-D). The

COMPLETE AND MAIL

STATE MINE INSPECTOR

TRAILS END (P) QUARRY

STATE MINE INSPECTOR
1616 WEST ADAMS, SUITE 411
PHOENIX, ARIZONA 85007-2627

JAN 29 1990

FOR OFFICE USE ONLY	
START-UP NUMBER	04303020
STATE NUMBER	141223
DEPUTY NUMBER	HAMM
NEW	MOVE

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with the Arizona Revised Statute, we are submitting this written notice to the Arizona State Mine Inspector of our intent to start , stop _____ , move _____ an operation.

Please check the appropriate boxes: Contractor , Owner , Operator , Open Pit Mine ,
Underground Mine , Mill , Quarry , Aggregate Plant , Hot Plant , Batch Plant ,
Smelter , Leach Plant .

If this is a move, please show last location: _____

If you have not operated a previously in Arizona, please check here: _____ If you want the
Education and Training Division to assist with your mine safety training, please check here: _____

If this operation will use Cyanide for leaching, please check here: _____

COMPANY NAME: HIGH PLAIN DEVELOPMENT

DIVISION: MINING MILLING

MINE OR PLANT NAME: TRAILS END TELEPHONE: 602-427-6226

CHIEF OFFICER: William R LEASE

COMPANY ADDRESS: PO Box 906

CITY: YARNELL STATE: AZ ZIP CODE: 85362

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions
for locating property by vehicle: R I N T O W S 11-12-1

TYPE OF OPERATION: LOAD PRINCIPAL PRODUCT: AG AG

STARTING DATE: 1-23-90 CLOSING DATE: _____

PERSON COMPLETING NOTICE: William R LEASE TITLE: PRESIDENT

02/02/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: TRAILS END

ALTERNATE NAMES:

CLORINDA SHAFT
TOBY SHAFT
ARIZONA-KLONDIKE
CIRCLE CROSS
GOLD RIDGE CLAIMS

YAVAPAI COUNTY MILS NUMBER: 1247

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TOPO MAP NAME: BATTLESHIP BUTTE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD
SILVER
COPPER

BIBLIOGRAPHY:

ADMMR TRAIL'S END MINE FILE
ADMMR ARIZONA KLONDIKE GROUP FILE
YAVAPAI MAGAZINE JULY 1918 P 16
LINDGRE, W. ORE DEPTS JEROME & BRADSHAW MTN
QUADS USGS BULL 782 1926 P 126



United States Department of the Interior

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COMPLETE AND MAIL

STATE MINE INSPECTOR

TRAILS END (P) 4/20/90 RWB

FOR OFFICE USE ONLY

START-UP NUMBER 04303020

STATE NUMBER 141223

DEPUTY NUMBER HAMM

NEW _____ MOVE _____

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JAN 29 1990

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If this is a move, please show last location: _____

If you have not operated a previously in Arizona, please check here: _____ If you want the

Education and Training Division to assist with your mine safety training, please check here: _____

If this operation will use Cyanide for leaching, please check here: _____

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DIVISION: MINING-MILLING

MINE OR PLANT NAME: TRAILS END TELEPHONE: 602-427-6226

CHIEF OFFICER: WILLIAM R LEAKE

COMPANY ADDRESS: PO Box 906

CITY: YARNELL STATE: AZ ZIP CODE: 85362

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions for locating property by vehicle: R I N T W S 11-12-1

TYPE OF OPERATION: LOAD PRINCIPAL PRODUCT: AG AC

STARTING DATE: 1-23-90 CLOSING DATE: _____

PERSON COMPLETING NOTICE: WILLIAM R LEAKE TITLE: PRESIDENT

**REPORT ON THE
TRAILS END PROPERTY
CROOKS CANYON AREA
YAVAPAI COUNTY, ARIZONA**

For

BRIDGEWEST DEVELOPMENT CORP.

And

UNISTAR TECHNOLOGIES CORP.

#1500 - 609 Granville Street

P.O. Box 10364, Exchange Tower

Vancouver, B.C. V7Y 1G5

With

**Recommended Program and
Estimated Costs**

by

M.P. Dickson, P. Eng.

Adtec Mining Consultants Incorporated

#811 - 543 Granville Street

Vancouver, B.C.

V6C 1X8

December 14, 1983

CERTIFIED TO BE A TRUE COPY

**A Commissioner for taking Affidavits
for British Columbia**

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Figure 1. Location Map

Figure 2. Location & Roads

Figure 3. Topo, Roads & Claims

Figure 4. Trails End Claim Group

Figure 5. Golden Ridge Claim Group

Figure 6. Longsection of Underground Workings with Assays

Figure 7. General Geology and X-Section

INTRODUCTION

The writer first became acquainted with the Trails End property of the Crooks Canyon area of Arizona in May of 1983 when asked to visit the property for an evaluation of underground workings and surface exposures. The visit on May 13, 1983 in the company of Mr. Frank Clark of Apache Junction, Arizona proved inconclusive as the shaft had not been dewatered to the first level.

Samples taken from the Toby Shaft and upper 15 feet of the main shaft were not encouraging. However, since old reports indicated that good gold values could not be found on surface and good values were reported from the lower workings, it was felt that additional examination was warranted.

CORRECTIONS BY OWNER:
Neal A. Mischke
11/26/85

NEAL & ERIC MISCHKE
~~Mr. Clark had the shaft~~ pumped out and repaired ^{SHAFT} for access by the owner. Mr. Neal Mischke and Mr. John Wilburn of Phoenix accompanied Mr. Clark to the property for sampling.

Mr. Wilburn's sampling resulted in good assay values being obtained for gold on the first level verifying old records.

The writer visited the property once again on August 21, 1983 accompanied by Mr. Mischke, F. Clark and J. Wilburn. Samples were taken from the first level workings and from the dump at the main shaft. A geological sketch and longsection were made at the time of the underground workings.

Assay results from the writer's sampling verified Mr. Wilburn's values.

A review of old records, information obtained from Arizona ^{DEPT. OF MINES & MINERAL RESOURCES.} State University, and encouraging assay values satisfied the writer that the property warranted further exploration.

On December 13, 1983, the writer was approached by Mr. T.W. Neild, President of Bridgewest Development Corp. and Mr. J.M. Hatcher, President of Unistar Technologies Corp. as to the merits of the property. As a consequence, the principals of the above two companies requested that the author prepare a report on the property with a recommended program, if warranted, with estimated costs.

SUMMARY

The Trails End property of Yavapai Co., Arizona is accessible by vehicle from Prescott, Arizona by 34 miles of good highway with the final 6 miles being a narrow winding forestry access road.

Access, topography, climate, adequate water supply and good ground conditions auger well for an easy, year-round mining operation if economic reserves can be found.

A persistent fissure vein of quartz with an amphibolite dyke has been traced for some 3,500 feet of strike length on the property and potential for an additional 7,000 feet of strike length exists.

The vein exists in the Crooks Complex of the Bradshaw granite where similar veins on other properties have been persistent on strike and to depth.

Development consists of a 155 foot shaft with 228 feet of drifting on the first level (with some stoping) with an unknown amount of development on the lower levels. A number of old pits and shallow caved adits exist on the property - very little information is available on the latter.

Sampling by the author on the first level has returned assay values as high as 2.68 ozs. Au/Ton from quartz veins. Assay values obtained reflect overall assay returns reported in old records.

Because of the persistence of the structure, good gold values in one potential economic mineralized shoot and other favourable conditions the author recommends a three phase program of grid layout, geological mapping, rehabilitation of the old workings, sampling, rotary-percussion hole drilling, map making and metallurgical test-work. Phase II and Phase III are to be contingent on favourable results being obtained in Phase I and Phase II. A follow-up phase is suggested but no costs have been allotted for this phase of work.

The cost of the program is estimated to be:

Phase I	\$ 47,797
Phase II	78,865
Phase III	<u>96,069</u>
Total Program	<u>\$ 222,731</u> (Cda.)

LOCATION

The property is located in the Hassayampa Mining District some 20 miles south of Prescott, Yavapai Co., Arizona (Figure 1). Approximate geographic co-ordinates are $34^{\circ} 19' 30''$ north latitude and $112^{\circ} 25' 20''$ west longitude. Prescott has a population of approximately 20,000. Phoenix, the state capital, with a population of some one million people, lies 70 miles to the southeast (Figures 1 & 2).

ACCESS

Access to the property from Prescott is gained by following Highway No. 89 southwest for 22 miles to the junction of the Walnut Grove - Wagoner Road, thence for ¹⁰~~8~~ miles to the junction of road No. 94 (Crooks Canyon Road). Road No. 94 branches at the 6 mile point to Forestry Access No. 82 which leads to the property through 6 miles of winding narrow road (Figures 2 & 3).

PHYSIOGRAPHY AND CLIMATE

The property is located in the center of the Bradshaw Mountain Range which extends south from Prescott for some 50 miles. The workings are near the crest of a relatively flat, gently sloping ridge that runs down in to the Hassayampa River.

Elevations at the river are some 3,400 feet rising to 5,400 feet at the property giving an approximate relief of 2,000 feet to the southwest. To the northeast, however, the general terrain rises another 2,000 to 3,000 feet giving a total relief of 4,000 to 5,000 feet.

The climate is dry and very pleasant for the most part. Occasional snow comes and goes during the winter. The warmer 90°F temperatures of the summer months are held in check by frequent thunder storms.

Vegetation is bushy but open and relatively void of timber.

Fresh water springs in the vicinity have supplied enough water in the past for the smaller operations. However, water wells may be necessary for a larger operation.

Mr. Frank Clark, a local well-drilling contractor who has drilled many wells throughout the area informed the writer that obtaining adequate water in wells in the vicinity of the property could be assured.

PROPERTY

Bridgewest Development Corp. and Unistar Technologies Corp. control by agreement the following mineral claims:

- 1) Trails End Group (Figures 3 & 4)
 - a) Claim Nos. 1 - 12 inclusive

- 2) Golden Ridge Group (Figures 3 & 5)
 - b) Claim Nos. 1 - 9 inclusive

Although the writer has examined claim documents and some location markers with Mr. Neal Mischke the present owner, no responsibility for the legal status of the property has been accepted.

HISTORY

Placer gold was found as early as 1863 in the area on the Hassayampa and Lynx Creeks by a party of pioneers under the leadership of Joseph Walker. The discovery of additional placers on larger streams in the area led to the location of numerous gold and silver bearing veins on Bigbug, Lynx, and Hassayampa Creeks.

Prospecting and mining continued to be limited as the area remained a stronghold of the hostile Apache Indians for some time.

The Trails End property is said to have been worked by Geo. Pearce and Bros. in the early days. Their work was reported to have been confined to the White Oak claim but was suspended when sulphides were encountered.

In 1903 and 1904, John Henry Cross located 5 claims. The Yavapai Magazine, July 1918, P. 16 reports that Cross was responsible for the then existing workings which consisted of:

- a) 100 foot shaft.
- b) 70 foot drift to north from bottom of shaft.
- c) 100 foot drift to south from bottom of shaft.
- d) a 90 foot tunnel that intersected the vein (6 feet wide) just above the camp on a second ledge.

The magazine also reports that Cross paid for the above work from bullion extracted by using an arastra.

In 1917, the property was taken over by the Circle Cross Mining Co. who did some work but details are not available.

Mr. W.B. Blaylock acquired the property in 1920 and deepened the shaft to its present depth; did additional drifting; and did some work on the White Oak Claim. A water supply, camp buildings and a hoist installed by Blaylock at this time have since vanished.

Very little work was done on the property in later years, but it is reported that Mr. Blaylock held the claims for a number of years.

A Mr. W.C. Dean staked the property about 1965 with a one-half interest going to Mr. Clyde Walker on recording. Mr. Walker later sold his interest to two Smith brothers in the area. Mr. Neal Mischke, the present owner, acquired the property from the above owners in 1975.

Mr. Mischke dewatered the main shaft to the first level and the Toby Shaft. Any mining by Mr. Mischke has been small and confined to a surface cut some 2,000 feet east of the above workings.

GEOLOGY

The area in general is underlain by granitic rocks which have intruded pre-Cambrian Yavapai schists. Igneous rocks consist of medium grained granite, some diorite, large areas of apillite, and basic dikes which are now amphibolite schists. These rocks as a whole are known as the Bradshaw granite (Figure 7).

That portion of the Bradshaw granite in which the Trails End property lies is known as the Crooks Complex. Rock compositions are similar, but the complex differs in that it is marked by alternations of diorite, aplite, gabbro, schist and granite.

The complex is largely igneous and the trend of the bands is often transverse to the adjacent schists. It is reported that the contacts between the separate acid and basic bands are igneous in all cases and enclosed belts of schists are numerous.

Granitic intrusions and uplift to form the Bradshaw Mountains has caused fissuring and fracturing of the rocks which permitted the formation of structures such as the mineralized veins of the district.

The mineralized vein is a true fissure. In the area of the Clorinda and Toby Shafts the vein is from 4 to 8 feet in width with quartz sometimes on one wall, but more frequently on both walls, separated by 1 to 3 feet of amphibolite schist forming generally the central part of the vein.

The strike of the structure is N 65° E with a dip of 80° to the south. Some minor deviations from this occur in both strike and dip.

Mineralized vein material has been found on surface through exposures, trenches, pits and tunnels over a strike length of some 3,500 feet. The claim groups cover an additional potential strike length of some 4,000 feet to the northeast and approximately 3,000 feet to the southwest.

Reports on other mineralized structures from other workings in the Bradshaw Mountains indicate that most of these fissure veins are quite persistent along strike and depth. Ground conditions were found to be excellent by the author with the untimbered shaft still standing well and open drifts and stopes on the first level in excellent condition after these many years. This augurs well for little need of ground support if mineable deposits are found.

MINERALIZATION

Quartz and amphibolite schist constitute the greatest portion of the mineralized structure. Sulphide mineralization is mainly pyrite although it is generally low overall. Some chalcopyrite has been observed by the author and mention is made of it in old reports.

Pyrite in the quartz is mainly coarse grained. The author has observed some pyrite in the amphibolite schist and this appears to be all gradations from fine to coarse. The author has not observed any other types of sulphide and mention is not made of any in reports.

Sulphides have been leached from the upper 40 feet of the vein and to some extent to as far as the first level. The pyrite in the amphibolite does not appear to be leached appreciably.

This author has not observed any gold, but it is reported to be free and also associated with the sulphides.

MINEABLE RESERVES

Sufficient tonnages of economic reserves have not been outlined to date to warrant the placing of mineralized material in to ore reserves.

The purpose of recent rehabilitation work and visits by the author (and others) has been directed towards verifying information from old reports as to the extent of workings, geology and assay values.

Sampling and mapping on the first level with assay returns has verified records from past operations for these headings.

Chip samples taken on the first level returned assay values up to 2.68 ozs. Au/ton (Figure 6). The condition of the ladders and lack of the landings in the shaft has not permitted sampling of the walls. Old records indicating values as high as 1.83 ozs. Au/ton in the shaft can only be considered speculation until verified by additional work.

Silver values, when assayed, have been fairly low and recent work does not confirm the higher silver values reported from old records which had reported silver values up to 5.70 ozs./ton while the author's sampling resulted in values mainly below the 1.0 oz. Ag/ton except for a high of 3.70 ozs. Ag/ton.

After examining old records and the writer's own work, it now seems apparent that the higher silver values seem to be associated with the amphibolite schist.

Previous mining operations avoided mining and/or milling the schist as values were too low. It is obvious from the first level stoping they were drilling and blasting the schist first and leaving it underground and then slashing the quartz veins off of the hanging-wall and footwall. Old records report gold values of \$4/ton in the amphibolite which would translate roughly into 0.25 ounces of gold per ton at the then prevailing prices.

By way of comparison the author obtained assay values from the amphibolite of 0.10 and 0.16 ozs. Au/ton from 3.5 foot wide channel samples on the east and west walls of the Toby Shaft. These samples were taken 9 feet below the collar of the shaft. On his second visit the author collected a sizeable grab sample of slightly pyritized amphibolite pieces from all over the old dump face at the main shaft. The sample assayed 0.16 ozs. Au/ton. While sufficient samples have not been collected to give a good average value for the amphibolite, from the authors point of view it will likely carry values of 0.10 ozs. Au/ton or better in the mineralized zones.

Of particular interest is the fact that gold assay values are very low close to surface. Sampling by the author and Mr. John Wilburn, a geologist from Phoenix, confirm what the old records indicate, that gold is apparently leached from the quartz close to surface and until one gets below the zone of complete oxidation (likely 30 feet on the average) very little gold content can be found in the quartz. This may not apply to values in the amphibolite as it does not appear to have been affected by oxidation to any great extent. The above must be kept in mind while carrying out surface exploration.

CONCLUSIONS

Examination of the surface showings, underground workings to the first level with mapping and sampling confirms a persistent structure with quartz veins associated with an amphibolite schist (basic dyke) over a strike length of some 3,500 feet. It is believed that the structure could persist on both ends of the claim group giving an additional 7,000 feet of exploration potential.

The persistence of the Trails End vein along strike is in keeping with reports on veins of other properties in the area. Persistence along strike has been coincident with persistence to depth on other veins and although not conclusive augurs well for depth potential on the property.

Assay values obtained from sampling the quartz veins in the Toby Shaft and on the first level of the main workings have confirmed high grade values reported by previous operators.

Low gold assay values obtained on or near surface does not mean that better gold values will not be found below the zone of leaching.

A mineralized shoot of some 100 feet in strike length exists on the first level that could be mineable if additional shoots are found. Ground conditions seem to be excellent and standard shrinkage methods could be employed to mine the steeply dipping vein.

RECOMMENDATION

In view of the above conclusions, the author feels that the present ground held through agreement by Bridgewest Development Corp. and Unistar Technologies Corp. warrants the following recommended three phase program. Phase II and Phase III shall be contingent on obtaining favourable results in Phase I and Phase II respectively.

Phase I

- 1) Establish a control grid by flagging and picket where necessary over the entire property.

- 2) Detailed geological mapping with sampling should be carried out on surface after the above grid is established.
- 3) The above work is to establish vein location in areas of known outcrop for immediate drilling and in undisclosed areas for back-hoe trenching.
- 4) Bearing in mind that gold values are leached from the quartz in the upper 30 feet or more, then drilling must be carried out to explore the vein's potential at depth.

The author recommends rotary-percussion drilling with sample intervals every 5 feet and every one foot when approaching the vein. Two holes should be drilled below the lowest mine workings to examine the vein at depth.

Angle holes should be drilled where the vein has been located in 2) and 3) above aiming initially for the 60 to 100 foot horizon.

- 5) Trenching on surface with a backhoe is to be carried out to accurately locate the vein(s) where not established and for examination.
- 6) Further prospecting, mapping and sampling should be carried out on surface while the trenching and drill program is progressing.

Phase II

- 1) Angle drill the vein where located by backhoe trenching aiming once again for the 60 to 100 foot mark unless the drilling in Phase I indicates something different than evidenced in the underground workings.
- 2) Trench any targets located by general prospecting if warranted.

- 3) Fill-in angle hole drilling is to be done as warranted by results of the above outlined drilling.
- 4) Install new ladders with landings to the first level and install staging in the first level stoped areas to permit sampling.
- 5) Remove the material from the first level bulkhead and pump the lower section of the shaft after the bulkhead has been removed.
- 6) Install ladders and landings in the lower part of the shaft and open up any lower workings that exist.
- 7) Geologically map and systematically sample all underground workings.

Phase III

- 1) Systematically collect a representative bulk sample from the underground workings.
- 2) Have metallurgical test work performed on bulk sample submitted.
- 3) Have area flown and aerial photographs taken at suitable scale.
- 4) Evaluate results of data collected from underground sampling and mapping. Calculate grade and tonnage of mineable material in this block.
- 5) Have maps made from aerial photography work.
- 6) Do ore definition drilling where required.

Geology and engineering should be kept up to date so that by the time most of the above is complete, a decision should be available so that the next step in the program will be known.

If the results of the above work are favourable, then a x-cut and drift will be required, preferably at the same elevation as the lowest present underground workings, to test the results of drilling and to further evaluate the property's potential.

COST ESTIMATES

Phase I

Grid layout - labor	\$ 1,800
- supplies	400
Mapping - consulting fees and geological	3,100
- supplies	600
Backhoe trenching	
- rental	1,700
- supplies and transportation	700
Assaying	708
Drilling - 1,800 feet @ \$12.50 / ft	22,500
Accommodations	700
Transportation - vehicle & gas	710
- air fare	600
	<u>33,518</u>
+ 15% contingencies	<u>5,028</u>
	\$ 38,546 (U.S.)
Total Canadian*	<u><u>\$ 47,797</u></u>

* Exchange Rate: 1.24

Phase II

Backhoe trenching:	
- rental	\$ 1,360
- supplies and transportation	300
Drilling - 2,000 feet @ \$12.50/ft.	25,000
Mapping and sampling:	
- consulting and geologist	3,900
- supplies	500
Rehabilitation:	
- labor	10,875
- supplies	8,000
Assaying	2,270
Accommodation	600
Supplies (general)	1,000
Transportation - vehicle & gas	900
- air fare	600
	<u>55,305</u>
+ 15% contingencies	<u>8,296</u>
Total	\$ 63,601 (U.S.)
Total Canadian *	<u><u>\$ 78,865</u></u>

* Exchange Rate: 1.24

Phase III

Bulk sample collection & freight	\$ 2,200
Metallurgical test work	8,500
Drilling - 3,000 ft @ \$12.50 per ft	37,500
Aerial photography	2,500
Map making	2,600
Geological and engineering fees	6,500
Assaying	3,820
Supplies	2,500
Transportation - vehicle & gas	<u>1,250</u>
	67,370
+ 15% Contingencies	<u>10,105</u>
Total	77,475 (U.S.)
Total Canadian*	<u>96,069</u>
Grand Total	\$ 179,622 (U.S.)
Total Canadian*	\$ 222,731

* Exchange Rate: 1.24

REFERENCES

- 1) Wilson, E.D. Cunningham, J.B., and Butler, G.M., Arizona Lode Gold Mines and Gold Mining, The Arizona Bureau of Mines, Bulletin 137, Revised 1967.
- 2) Ridland, G.C., Geological Report 74, Trails End Property, August 28, 1964.
- 3) Flagg, A.L., Report on the Arizona Klondyke Group, Oct. 2, 1926.
- 4) Weeks, F.B., Report on the Arizona Klondike Mine, Aug. 1, 1934.
- 5) Wilburn, J.D., Report on the Trails End Property, July 24, 1983.
- 6) USGS, Bradshaw Mountain Folio, Arizona G 1201 C 5U5, V. 126, 1905.

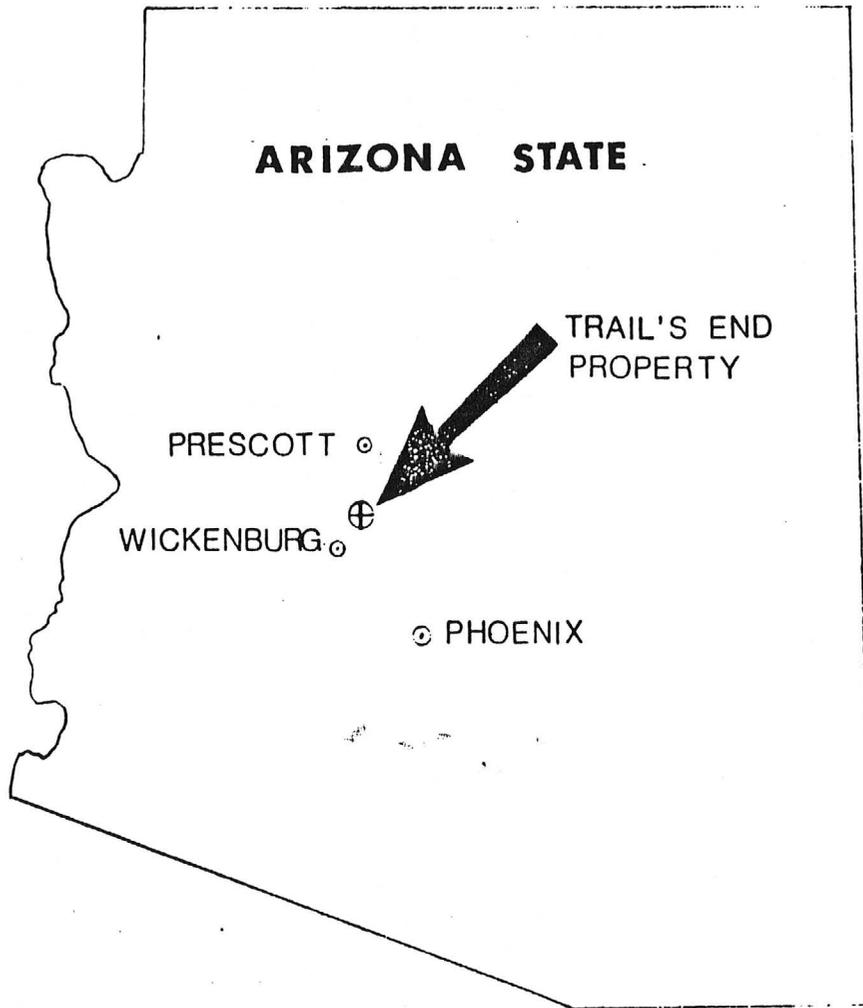
CERTIFICATE

I, Melvin Plenny Dickson of 2731 Mathers Avenue, in the City of Vancouver, in the Province of British Columbia, Canada hereby certify as follows:

1. I am a graduate of Mount Allison University, Sackville, New Brunswick and hold a Bachelor of Science Degree in Geology.
2. I am a Registered Professional Engineer of the Province of British Columbia Registration No. 11456.
3. I have actively practised my profession on a full-time basis in mineral exploration, mine development, production, management and consulting since graduation in 1965.
4. That the information contained in this report is based on published and unpublished reports on the property, augmented by visits to the property on May 12, 13 and 14, 1983, and August 21, 22 and 23, 1983.
5. I have no interest, direct or indirect, in the property or securities of Bridgewest Development Corp. or Unistar Technologies Corp., or their affiliates, nor do I expect to receive any.
6. Permission is hereby given to Bridgewest Development Corp. and Unistar Technologies Corp. to reproduce this report, or any part of it, for the purposes of a financial prospectus or to be used in a statement of material facts relating to the raising of funds for this project, provided, however, that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

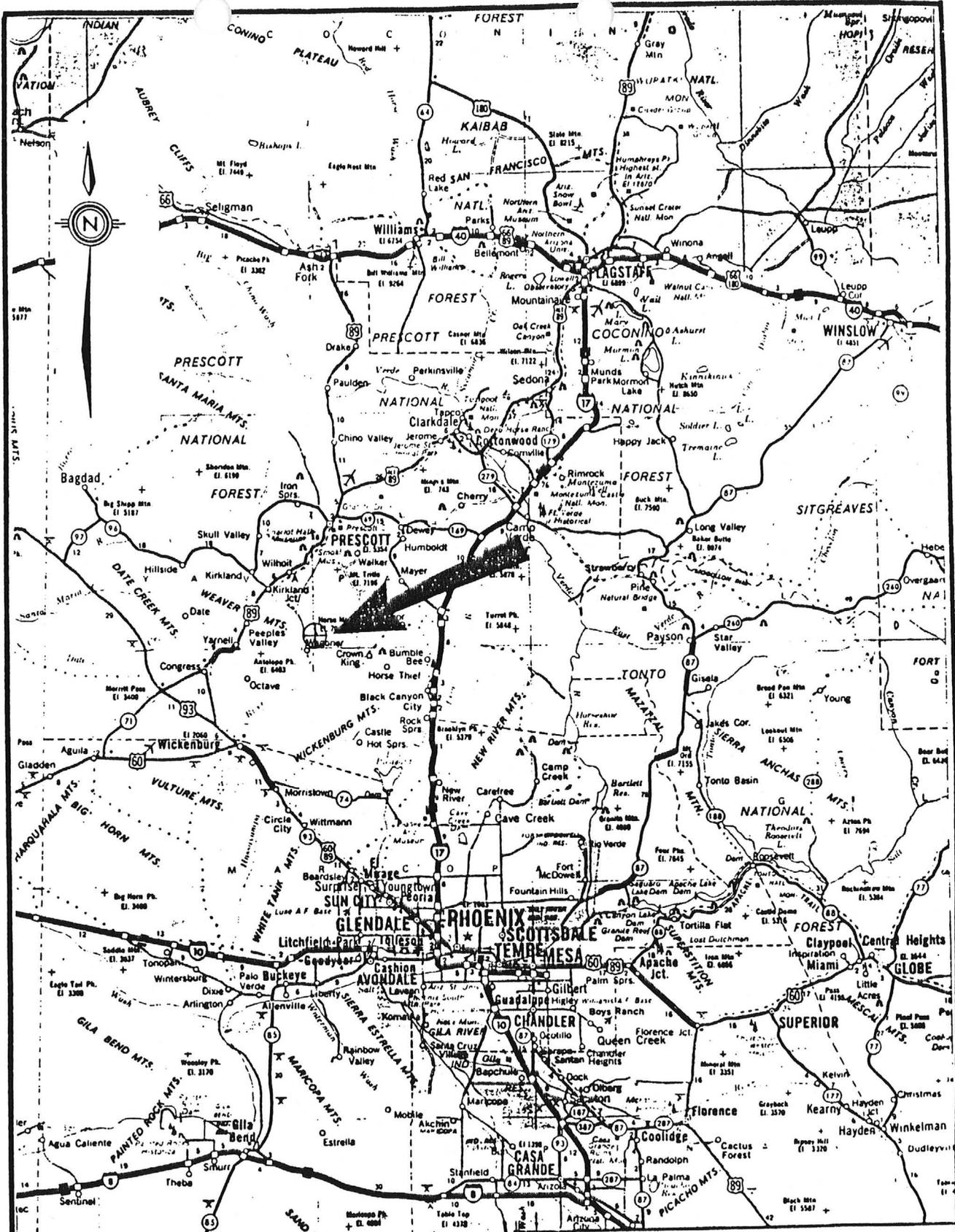
Dated at Vancouver, B.C., this 15th day of December, 1983.


M.P. Dickson, P. Eng.



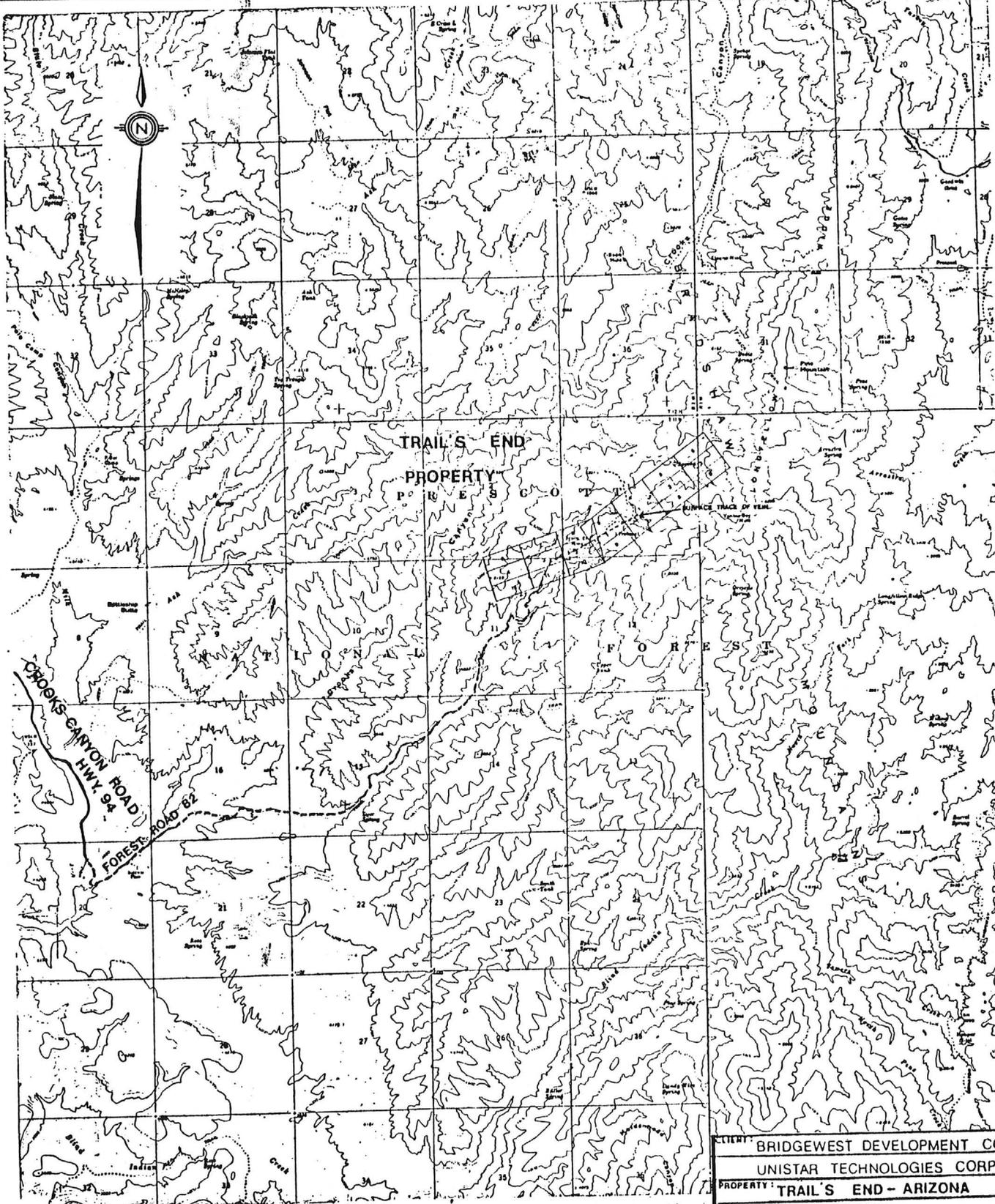
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UNISTAR TECHNOLOGIES CORP.		
PROPERTY: TRAIL'S END - ARIZONA		
PROPERTY LOCATION		
50	SCALE: 0 miles 50	DATE: 8/83
		DRG. NO.: 1
		DR: RPM

ADTEC APPROVED:
 MINING CONSULTANTS INCORPORATED
 611-643 GRANVILLE ST., VANCOUVER, B.C., V6C 1Z8



CLIENT: BRIDGEWEST DEVELOPMENT CORP.	
UNISTAR TECHNOLOGIES CORP.	
PROPERTY: TRAIL'S END - ARIZONA	
PROPERTY LOCATION	
SCALE: 10 5 0 10 20 miles	DATE: 8/83
DR: RPM	ORG NO: 2

APPROVED: ADTEC MINING CONSULTANTS INCORPORATED
 811-843 GRANVILLE ST. VANCOUVER, B.C. V6C 1K8

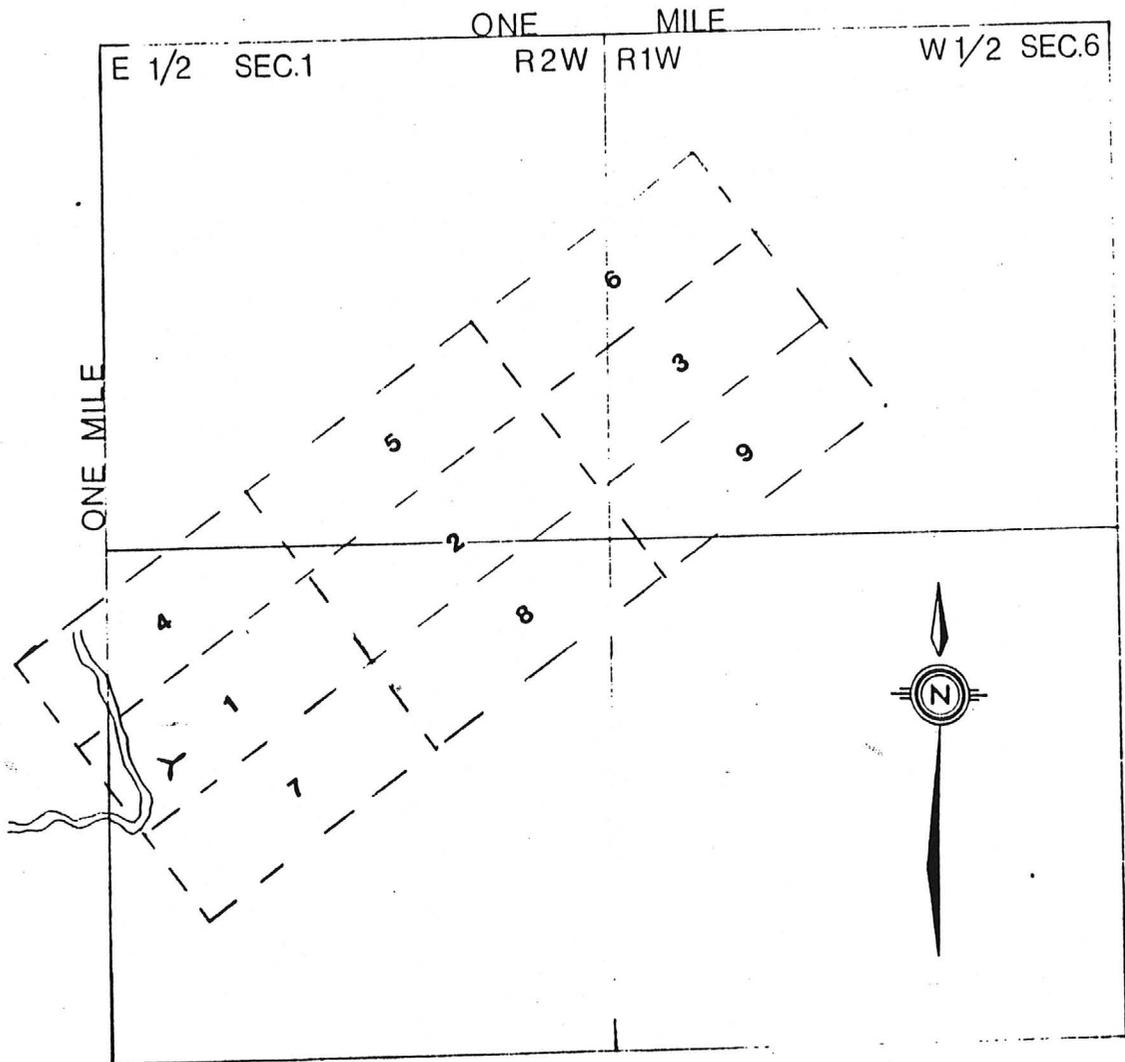


APPROVED:
 ADTEC MINING CONSULTANTS INCORPORATED
 811-843 GRANVILLE ST, VANCOUVER, B.C., V6C 1Z8

CLIENT: BRIDGEWEST DEVELOPMENT CORP.
 UNISTAR TECHNOLOGIES CORP.
 PROPERTY: TRAIL'S END - ARIZONA

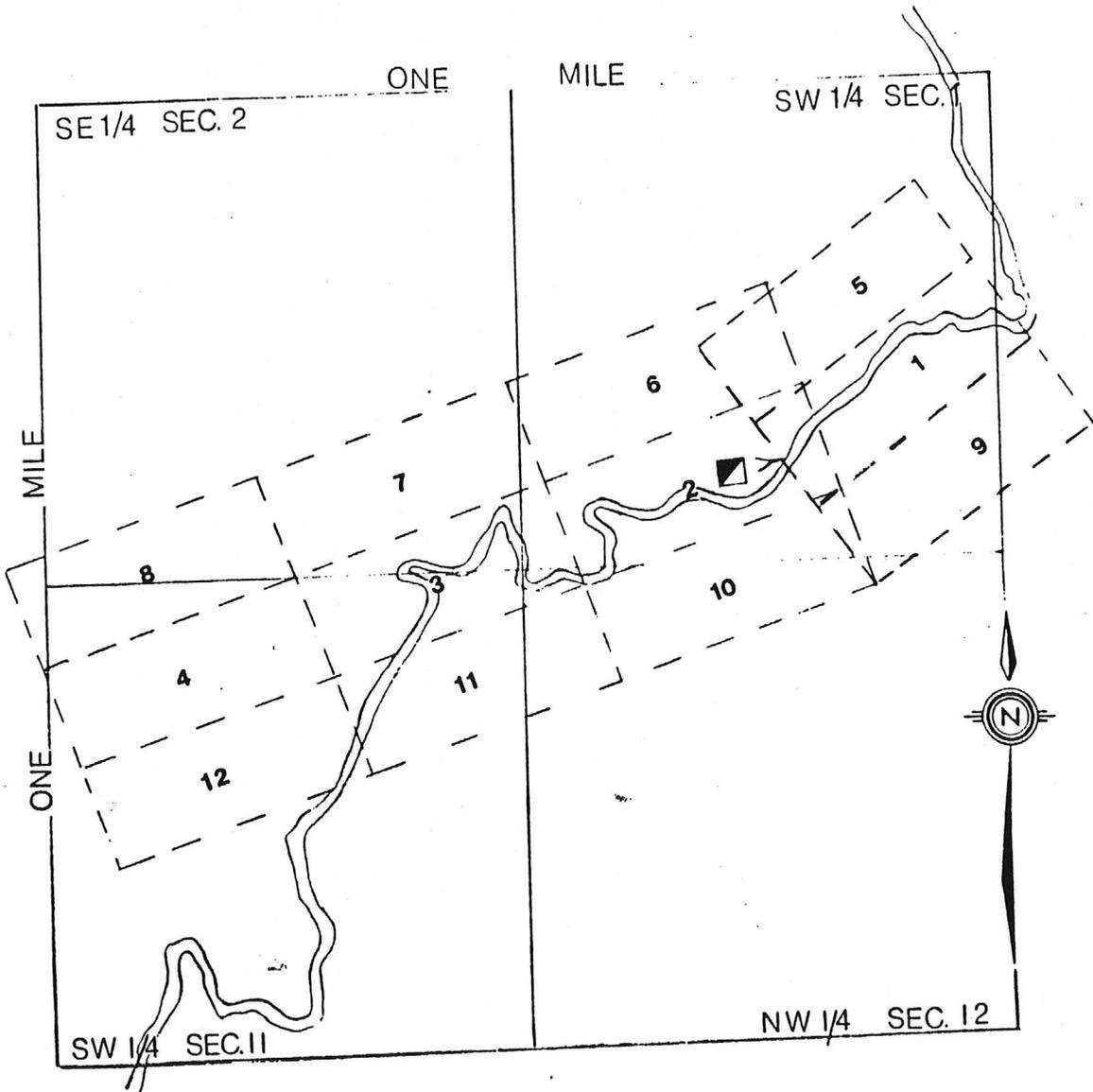
TOPO, ROAD, CLAIM, and VEIN MAP

0 SCALE: miles
 DATE: 8/83
 DRG. NO.: 3
 DR: RPM



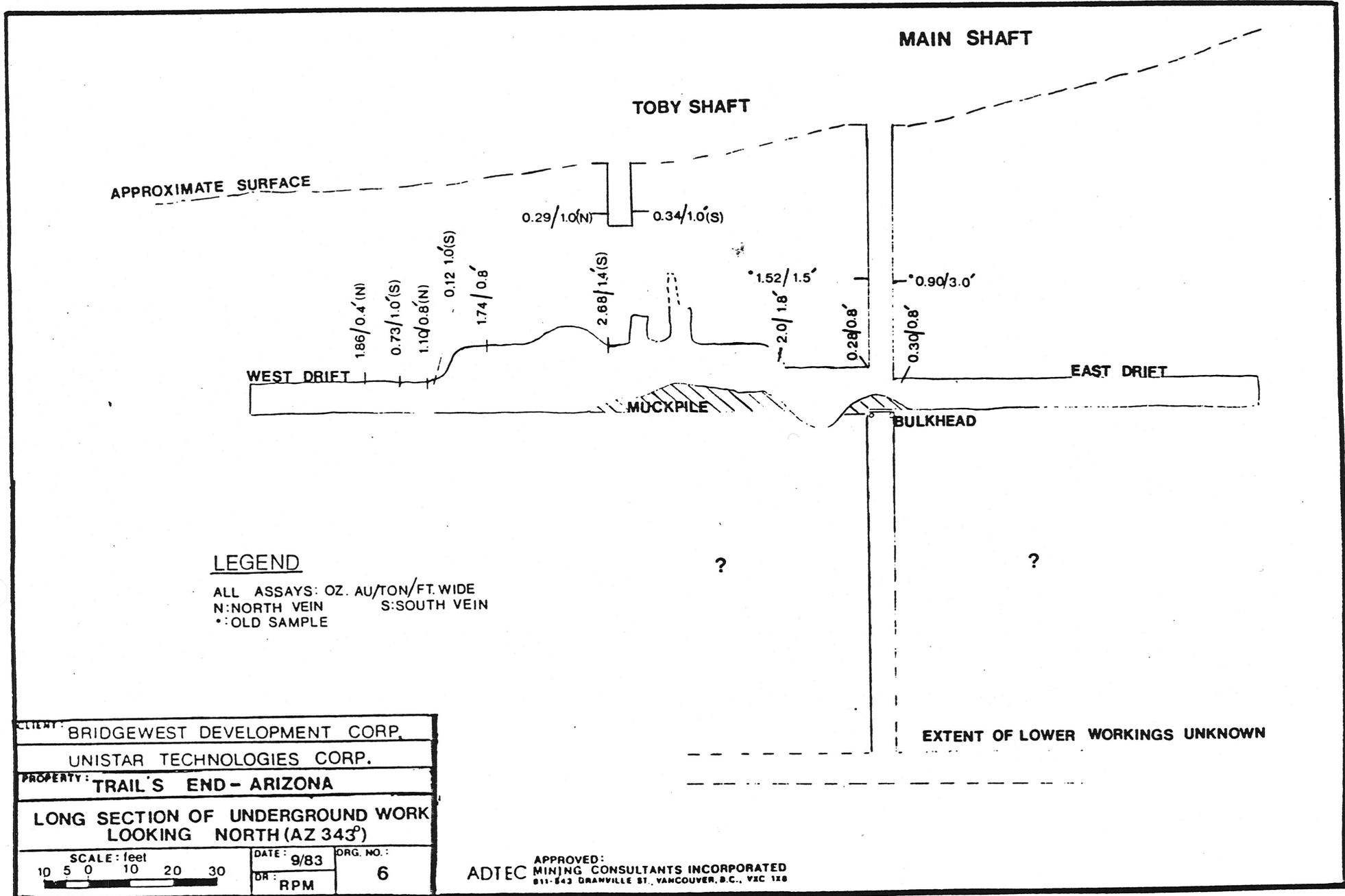
CLIENT: BRIDGEWEST DEVELOPMENT CORP.	
UNISTAR TECHNOLOGIES CORP.	
PROPERTY: TRAIL'S END - ARIZONA	
GOLDEN RIDGE CLAIM GROUP	
SCALE: miles	DATE: 8/83
0.125 0 0.25	OR: RPM
	ORG. NO.: 5

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 ADTEC MINING CONSULTANTS INCORPORATED
 811-643 GRANVILLE ST., VANCOUVER, B.C., V6C 1Z8



CLIENT: BRIDGEWEST DEVELOPMENT CORP.		
UNISTAR TECHNOLOGIES CORP.		
PROPERTY: TRAIL'S END - ARIZONA		
TRAIL'S END CLAIM GROUP		
SCALE: miles	DATE: 8/83	ORG. NO.:
0.25 0 0.25	DR: RPM	4

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 811-843 GRANVILLE ST., VANCOUVER, B.C., V6C 1X8



APPROXIMATE SURFACE

TOBY SHAFT

MAIN SHAFT

WEST DRIFT

EAST DRIFT

MUCKPILE

BULKHEAD

LEGEND

ALL ASSAYS: OZ. AU/TON/FT. WIDE
 N: NORTH VEIN S: SOUTH VEIN
 * : OLD SAMPLE

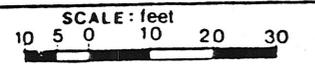
?

?

EXTENT OF LOWER WORKINGS UNKNOWN

CLIENT: BRIDGEWEST DEVELOPMENT CORP.
 UNISTAR TECHNOLOGIES CORP.
 PROPERTY: TRAIL'S END - ARIZONA

LONG SECTION OF UNDERGROUND WORK
 LOOKING NORTH (AZ 343°)



DATE: 9/83 ORG. NO.: 6
 DR: RPM

ADTEC APPROVED:
 MINING CONSULTANTS INCORPORATED
 811-843 GRANVILLE ST., VANCOUVER, B.C., V1C 1X8

26 MAR 1984

INSTRUCTIONS TO OPERATORS. Items 1 through 6 and 12 constitute a Notice of Intention; items 1 through 12 constitute a Basic Operating Plan. Please complete in as much detail as possible and furnish to District Ranger's office. Additional sheets may be used if necessary.
NOTICE: To the extent authorized by law this information will be held confidential. As an agency of the Federal Government, the Forest Service is required to comply with the Freedom of Information Act.

NOTICE IS HEREBY given that the undersigned intends to conduct prospecting, mining, or milling operation, etc. on the lands described below, and in the manner indicated.

1. Operator(s):

Name(s)	Address(es)	Telephone No(s).
Bridge west Development Corporation & Unistar Technologies Corp.	1500-609 Granville St Vancouver, B.C. P.O. Box 10364 Vancouver, B.C. V7Y 1G5	604-687-3442

2. Area of Operation:

National Forest:	State: Arizona	Mining District: Hassayampa
Ranger District: Bradshaw	County: Yavapai	T. 11N, R. 2W, Sec. 142, 141, 143

3. Access:

The proposed route of access to the operation is (describe route from point of entry into National Forest, using road numbers when possible):
Trail No. 94 existing and #82 existing.

The following means of transport will be used (4-wheel drive vehicle) tractor, pickup, etc.):

(NOTE: Construction, reconstruction, or restoration of a road across National Forest System lands as a means of access to mining claims must be authorized separately by special-use permit.)

4. Type of Proposed Operation:

Describe the type of proposed surface disturbing activities, such as trenching, bulldozer exploration, drill road construction, tunnel site development, etc.

Trenching - backhoe
450 John Deere Dozer for drill pad sites with backhoe for trenching
All pad sites & trenches to be within 100 feet of existing trails. Trenching with backhoe & percussion drilling for assessment and preliminary exploration evaluation work.

5. Map:

A map is attached which shows the general area of operation and the proposed route of access to it. (This map is required. A map scale of about 1 inch = 2 miles is adequate.)

6. Period of Operation:

Period or periods during which operations, including road work, will take place. The work will be continuous intermittent, during the periods:
Road Work: Other Operations:

March 24th/1984 - April 4th/1984

EXHIBIT A

To Mischke-Gold Venture Lease and Option

The following unpatented mining claims situated in the Hassayampa Mining District, Yavapai County, Arizona, the location notices of which are recorded in the following Books and Pages of the Official Records of Yavapai County, Arizona.

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>BLM Serial No.</u>
Trails End #1	1517	745	AMC 77096
Trails End #2	1517	747	AMC 77097
Trails End #3	1517	749	AMC 77098
Trails End #4	1517	751	AMC 77099
Trails End #5	1517	753	AMC 193509
Trails End #6	1517	755	AMC 193510
Trails End #7	1517	757	AMC 193511
Trails End #8	1517	759	AMC 193512
Trails End #9	1517	761	AMC 193513
Trails End #10	1517	763	AMC 193514
Trails End #11	1517	765	AMC 193515
Trails End #12	1517	767	AMC 193516
Gold Ridge #1	1517	727	AMC 77094
Gold Ridge #2	1517	729	AMC 77093
Gold Ridge #3	1517	731	AMC 193517
Gold Ridge #4	1517	733	AMC 77095
Gold Ridge #5	1517	735	AMC 193518
Gold Ridge #6	1517	737	AMC 193519
Gold Ridge #7	1517	739	AMC 193520
Gold Ridge #8	1517	741	AMC 193521
Gold Ridge #9	1517	743	AMC 193522



Arizona Department of Mines and Mineral Resources

1502 West Washington, Phoenix, AZ 85007 Phone (602) 255-3795
1-800-446-4259 in Arizona FAX (602) 255-3777 www.admmr.state.az.us

MINE: TRAILS END
COUNTY: YAVAPAI

DATE 12/17/85
ENGINEERS - KAP & NJN

SAMPLE #	Au oz/ton	Ag oz/ton	Location and Description
28106			face of Big Red adit, qtz vein with limonite boxwork sample width 4.6'
28107			Clarenda #1, 31' west of east rib of shaft, 2nd level, sample width 4.3', quartz vein
28108			Clarenda #2, 100' west of east rib of shaft, includes hw, fw, & qtz rib w/mafic horse, cuox stains, sample width 6.4' inc. 2.' of mafic horse
28109			Clarenda #3, rib of shaft, 130' west of east near west fault

Post note: Samples were lost by the assayer. They were being run au gratis and during some rush orders they were inadvertently lost. NJN 3/86

(This Word document is a recreation of the original). NJN 8-21-2003



United States Department of the Interior

OFFICE OF HEARINGS AND APPEALS
 INTERIOR BOARD OF LAND APPEALS
 4015 WILSON BOULEVARD
 ARLINGTON, VIRGINIA 22203

UNITED STATES

v.

W. C. DEAN AND MILDRED W. DEAN

IBLA 73-373

Decided December 21, 1973

Appeal from a decision by Administrative Law Judge Graydon E. Holt dismissing a contest to determine the validity of a millsite.

Affirmed.

Mining Claims: MILL SITES; PRACTICE AND PROCEDURE - Contests - generally

Although a millsite may be declared invalid when its only use is in connection with a mining claim which is declared invalid, a millsite can be contested separately and declared invalid when evidence establishes it is not being used for mining or milling purposes, independent of the issue of the validity of the mining claim.

Mining Claims: MILL SITES

A millsite is used for mining or milling purposes if the use is a function or utility intimately associated with the removal, handling or treatment of the ore from the vein or lode. Some step in or directly connected with the process of mining or some feature of milling must be performed.

Mining Claims: PRACTICE AND PROCEDURE - Administrative Law Judge - Contests - generally - Hearings - burden of proof - evidence; MILL SITES

An Administrative Law Judge may properly dismiss a millsite contest if the Government makes an inadequate prima facie showing that the millsite is invalid either as a dependent or independent claim, and evidence shows use and occupation of the site for mining and milling purposes.

APPEARANCES: Bennett J. Augustine, Esq., Office of the General Counsel, U.S. Department of Agriculture, Albuquerque, New Mexico, for the United States; John F. Mills, Esq., Twitty, Siewwright, and Mills, Phoenix, Arizona, for appellee.

OPINION BY MRS. THOMPSON

The Forest Service, United States Department of Agriculture, appearing on behalf of the United States, has appealed from a decision by Administrative Law Judge Graydon E. Holt dated April 20, 1973, dismissing a contest to determine the validity of the Dean Millsite located in Sec. 20, T. 11 N., R. 2 W., Yavapai County, Arizona. This millsite is within the Prescott National Forest and was located on December 18, 1969, and amended June 8, 1970. It is associated with seven lode mining claims located within several miles of the millsite.

The Bureau of Land Management, at the request of the Forest Service, filed a contest complaint charging that:

- a. The Dean Millsite claim is not occupied by a mill or reduction works for ores.
- b. The millsite is not being used for purposes related to mining and milling.

The Judge, in dismissing the complaint, ruled that the contestant did not make a prima facie showing that all the lode claims associated with the millsite were invalid and failed to establish that the millsite is not being used for mining or milling purposes.

He succinctly summarized the facts in this case:

The Dean Millsite was located on December 18, 1969, and amended June 8, 1970 (Tr. 7). It is within the Prescott National Forest approximately 15 miles southeast of Kirkland Junction, Arizona. Previously, Mr. Dean had a mill site some distance away. After making preliminary improvements on the new site in 1971 he removed his improvements from the old site (Tr. 24). At the time of the hearing the present mill site contained a small mill with a primary jaw crusher, a secondary crusher, buck elevators, roll crusher, conveyors, a ball mill, shaker table, amalgamation drum, a retort, tables, a gold trap, and a sluice box (Tr. 25). There were also a number of improvements consisting of a trailer with a frame addition making a building 20 x 65 feet, a plywood shed 8 x 14 feet, a tool shed 16 x 40 feet, two water towers, and a rock house (Tr. 9) (Exhs. 5-A - 5-D). The

photographs received in evidence amply verify the existence of these improvements (Exhs. 5, and A through G). In addition there are various mining tools and equipment on the site.

In addition, a small blacksmith shop is on the site, a dump truck is driven almost every day from the mining claims to the millsite and several persons besides the Deans are working on the mining and millsite claims. A small amount of ore has been processed through the mill.

The Forest Service contends that the Judge improperly required it to present a prima facie case of invalidity of contestee's associated mining claims as a prerequisite to invalidating the millsite. Whether such a showing is necessary depends on the other evidence in a millsite contest, and the status of the case. A millsite dependent on a lode claim may be maintained on nonmineral land not contiguous to a vein or lode if it is used or occupied for mining or milling purposes by the proprietor of such vein or lode. Act of May 10, 1872, 17 Stat. 96, as amended, 74 Stat. 7, 30 U.S.C. § 42(a) (1970). In order to receive a patent for a millsite dependent on an unpatented lode claim, the applicant for patent must show a discovery on the associated lode claim. United States v. Larsen, 9 IBLA 247, 274 (1973);^a United States v. Coston, A-30835 (February 23, 1968)^b If the mining claim has already been patented, he must show mining operations on the associated patented claim. United States v. Wedertz, 71 I.D. 368, 373 (1964).^c A dependent millsite may be contested, however, without contesting the validity of unpatented mining claims with which it is connected. Although a millsite may be declared invalid when its only use is in connection with a mining claim which is declared invalid, United States v. Mellos, 10 IBLA 261, 268 (1973);^d United States v. Coston, *supra* at 3, a millsite can be contested separately and declared invalid when evidence establishes it is not being used for mining and milling purposes independent of the issue of the validity of the mining claims. United States v. Polk, A-30859 at 3-4 (April 17, 1968).^e

Where the use or occupation is related to a lode claim, the showing must be of

* * * a function or utility intimately associated with the removal, handling or treatment of the ore from the vein or lode. Some step in or directly connected with the process of mining or some feature of milling must be performed.

Alaska Copper Co., 32 L.D. 128, 131 (1903) (emphasis in original).

a) GFS(MIN) 29(1973)

b) GFS(MIN) SO-16(1968)

c) GFS(MIN) SO-1(1965)

d) GFS(MIN) 48(1973)

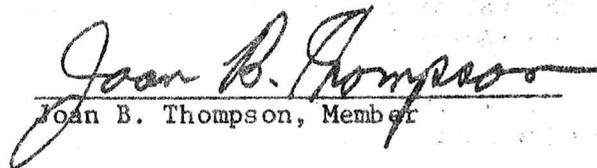
e) GFS(MIN) SO-24(1968)¹⁴ IBLA 109

GFS(MIN) 8(1974)

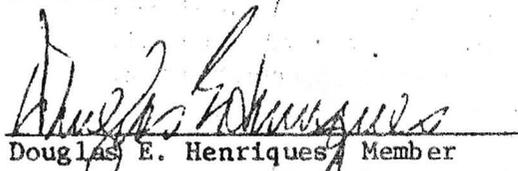
Here, among other uses, contestees showed that tools used in working the claims and ore are stored at the millsite, a stone house is used to board employees, a mill is on the land and has been used, and frequent trips are made between the millsite and the mining claims. The uses and improvements are typical of mining and milling operations. The millsite appears to be used for mining or milling purposes. E.g., United States v. Skidmore, 10 IBLA 322, 327 (1973). The conclusion of whether the activity is actually mining or milling in connection with the lode claims cannot be determined, however, without determining the nature of the activity on the associated claims and their validity.

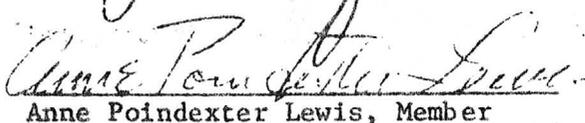
Where contestees present proof of use and occupancy of a millsite which appears related to mining or milling in connection with lode claims, then the issues raised are whether there are mining activities conducted on the associated claims and whether they are valid claims. This requires evidence in addition to proof of the activities on the millsite. The Government made no prima facie showing regarding five of the seven associated mining claims. The contestees presented general testimony of use of the site with the claims. We cannot conclude that the activity is not actually mining or milling in connection with the lode claims without further proof of their invalidity. Also, the presence of a mill, if operable and used as a quartz mill or reduction works, may be sufficient to maintain the site as an independent millsite under the last sentence of 30 U.S.C. § 42(a) (1970). In any event, based upon the evidentiary record before him, the Judge properly dismissed the Government's contest of this millsite, as there was an inadequate prima facie showing that the millsite was invalid either as a dependent or an independent claim.

Therefore, pursuant to the authority delegated to the Board of Land Appeals by the Secretary of the Interior, 43 CFR 4.1, the decision appealed from is affirmed.


Joan B. Thompson, Member

We concur:


Douglas E. Henriques, Member


Anne Poindexter Lewis, Member

Bill COTEE,

FOR YOUR FILE

Neal Mischke

ON TRAILS END MINE (F) AKA GOLD RIDGE

MINERAL LEASE AND OPTION

This Mineral Lease and Option, hereafter referred to as "Option", effective as of the 22nd day of April, 1983, is entered into by and between Neal A. Mischke and Phyllis M. Mischke, husband and wife, hereinafter referred to as "Lessor" and Gold Venture, a partnership, hereinafter referred to as "Lessee". § NOW INCLUDES BRIDGEWEST INC. VANCOUVER B.C.

R E C I T A L S

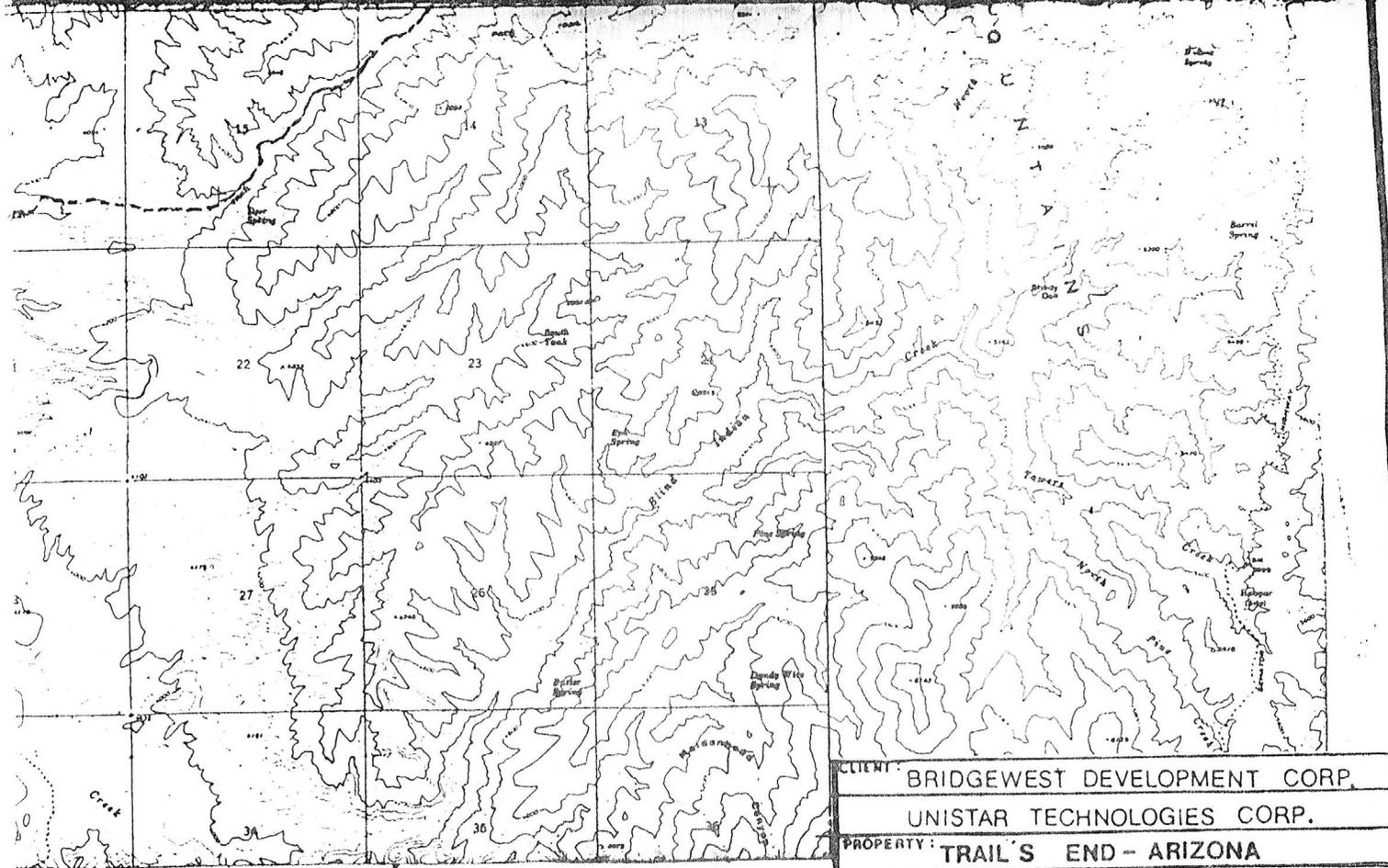
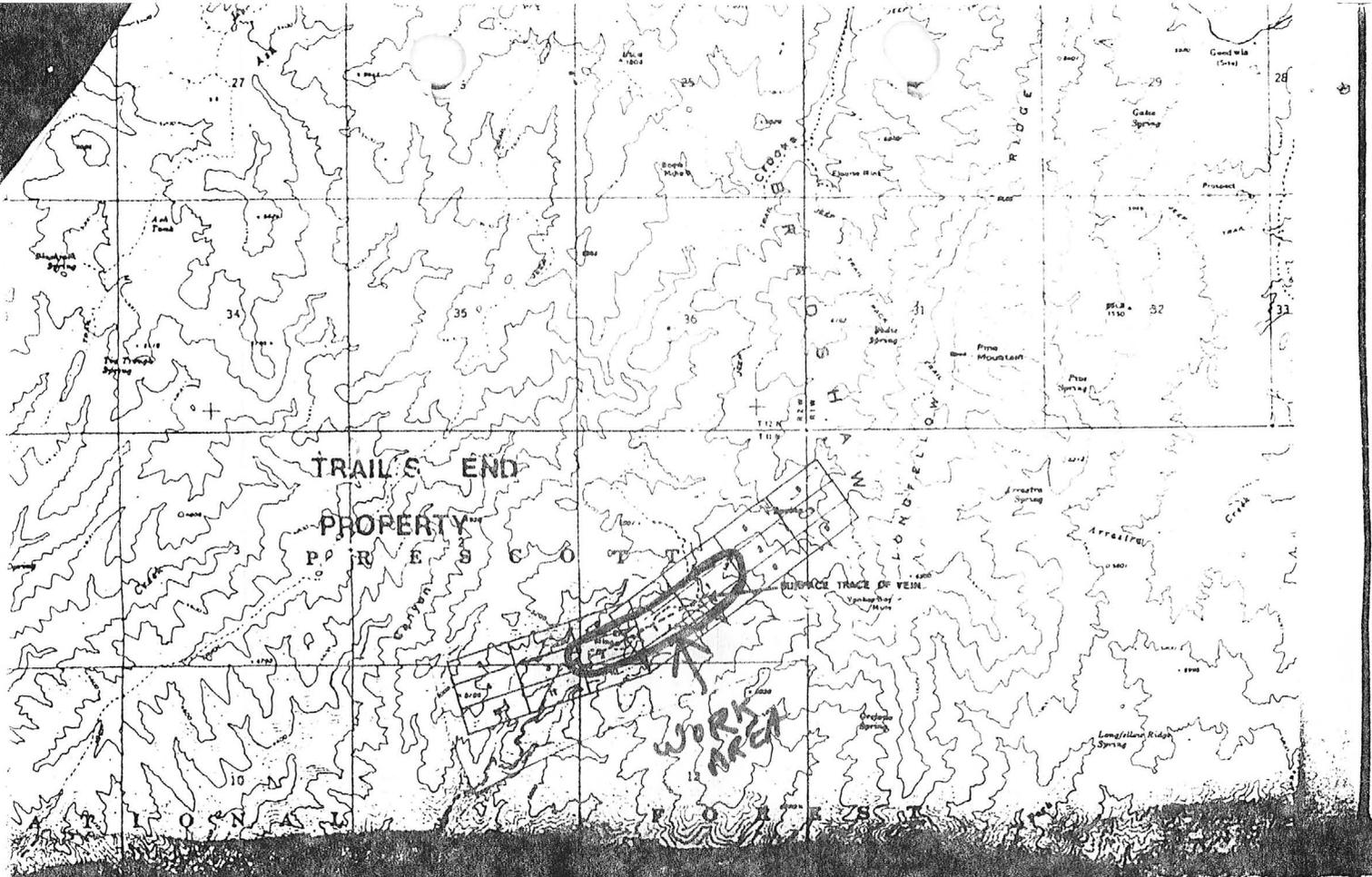
A. Lessor is the owner of certain unpatented mining claims in Yavapai County, Arizona, more particularly described in Exhibit A attached hereto and made a part hereof.

B. Lessor desires to grant unto Lessee and Lessee desires to acquire from Lessor a mineral lease and option to purchase said unpatented mining claims pursuant to which Lessee will have the sole and exclusive right to explore for, develop, extract, mine, process, market, sell or otherwise dispose of all minerals therefrom, as hereinafter provided.

A G R E E M E N T

NOW, THEREFORE, for and in consideration of the sum of \$500.00 in hand paid by Lessee to Lessor, and in consideration of the mutual covenants contained and pro-

Written by our attorney
William Bill Elving
Phoenix AZ.



CLIENT: BRIDGEWEST DEVELOPMENT CORP.	
UNISTAR TECHNOLOGIES CORP.	
PROPERTY: TRAIL'S END - ARIZONA	
TOPO, ROAD, CLAIM, and VEIN MAP	
SCALE: miles	DATE: 8/83
0 _____ 1	ORG. NO.: 3
	DH: RPM

APPROVED:
ADTEC MINING CONSULTANTS INCORPORATED
 811-843 DRANVILLE ST, VANCOUVER, B.C., V6C 1R8

OPERATING PLAN. The following information taken together with the following information constitutes a Basic Operating Plan for which approval is requested.

Claims on which Operations will be Conducted:

Claim Name	BLM Serial No.	Date of Location	(Lode) Placer Millsite (check)
Trail's End #2, 2	Book 1517 P. 747 (77097)	Sept 1/68	
" #1	77096	" "	
Gold Ridge #1	193513	Feb. 17/83	

3. Identification of Owners and Other Interested Parties:

Specify, under "status," whether owner, lessee, assignee, designee, etc:

Name	Address	Telephone No.	Status
Neal Mische	Star Route Box 59 Kirkland, AZ 86322	602	

Field Representative:

Name	Address	Telephone No.
Clark-Oliver Mining Co. Inc.	419 S. 103 Pl. Apache Junction 85220	602-986-5681

3. Method of Proposed Operation:

Specify how the operations of Item 4 would be conducted:

Trenching of vein will be done by 450 Dorer-Backhoe to provide as little disturbance as possible - small dorer will be used to provide drill site pads for 6x6 Tired Drill Rig which requires very little in line of pad so disturbance will be negligible.

10. Environmental Protection Requirements:

Measures to be taken to minimize adverse environmental impacts and reclaim disturbed areas. (36 CFR 228.8):

Any trenches done to locate vein will be back-filled garbage to be cleaned up after job and good housekeeping procedures will be exercised. Disturbance should be less than 1/4 Acre.

11. Map of Surface Disturbance:

A map is attached which shows the location and size of the areas of surface disturbance. (This map is required. A map scale of about 1"=1/2 mile is adequate.)

Wally Platt
Newmont Exploration Co.
200 West Desert Sky Road
Tuscon, AZ 85704

Mark C. Olm
Consulting Geologist
2240 West Kendra Place
Tuscon, AZ 85741

S.E. Theiss
Gold Extractions Corporation
3345 West Evans Drive
Phoenix, Az 85023

Marks O. Morrison
Investment Leasing
P.O. Box 3
Scottsbluff, Nebraska 69361

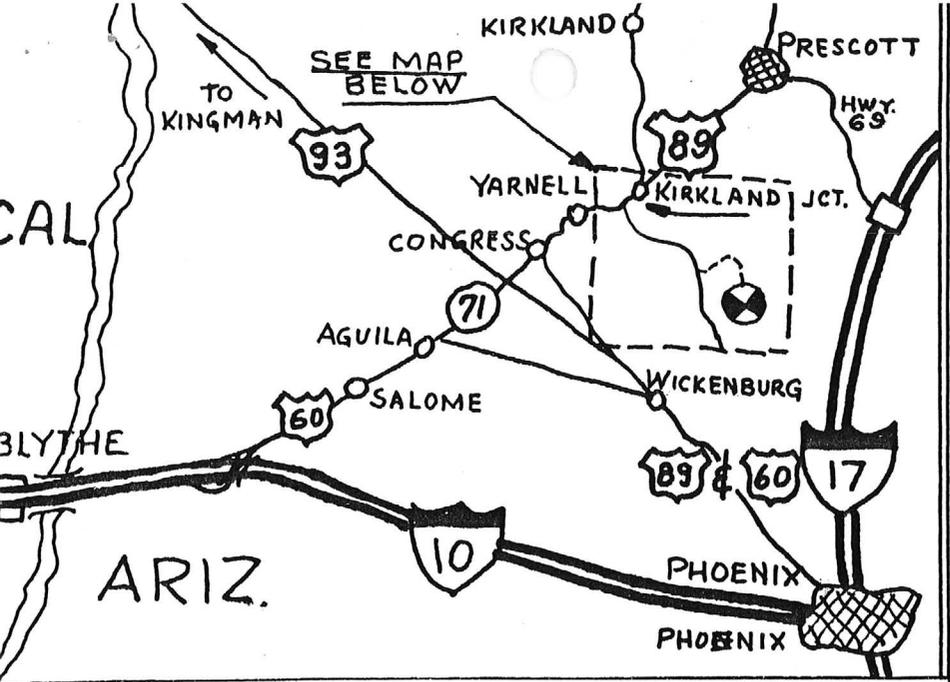
Duke Haltom
Cyclone Z Corporation #111
13951 North Scottsdale Road
Scottsdale, AZ 85260

Don Anderson
Consultant, Apex Energy Co.
407-0607 West Pender Street
Vancouver, BC, Canada, V6C 2T7

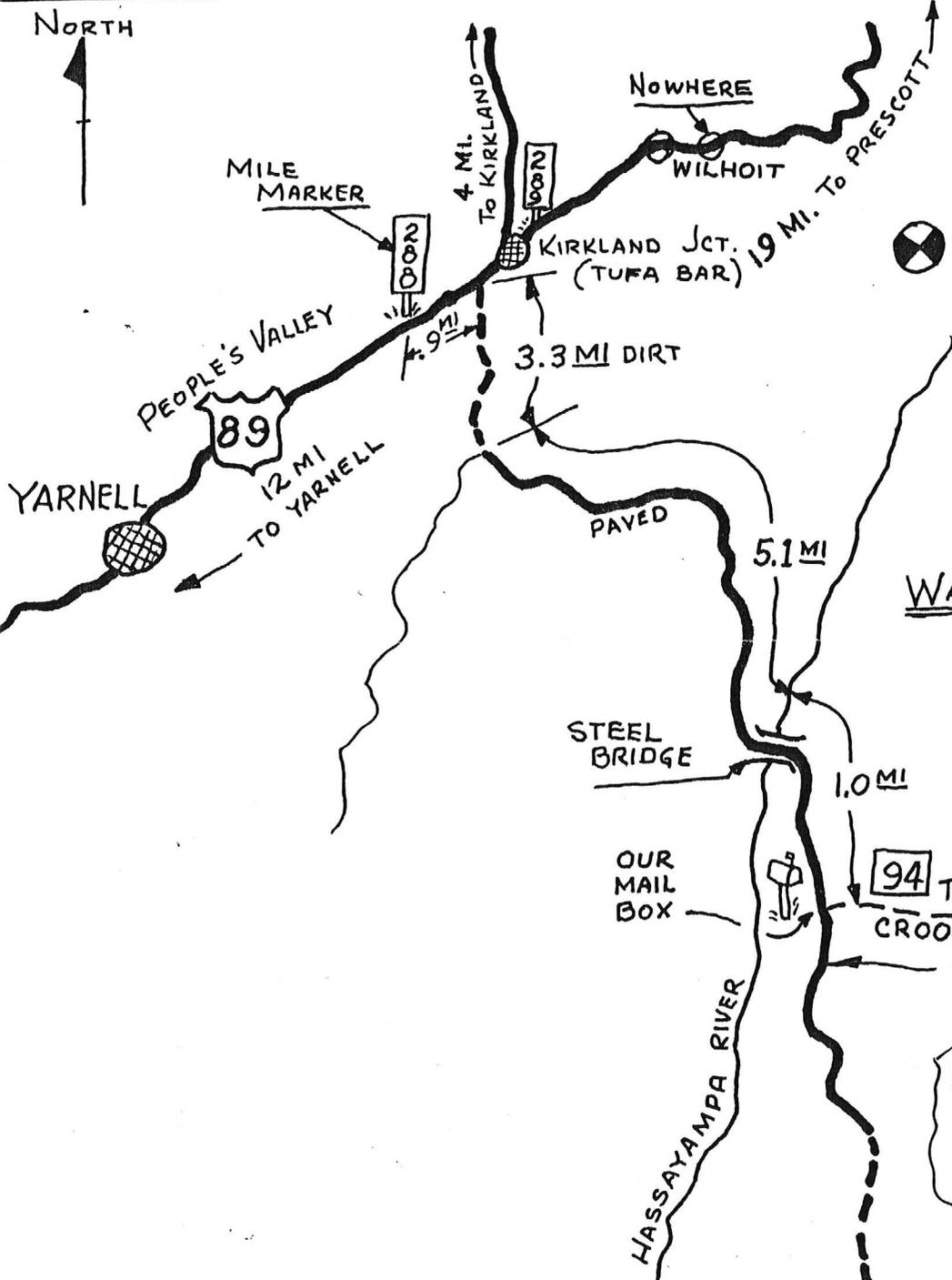
Don Jacobs
Gold River Exploration
P.O. Box 4106
Prescott, AZ 86302

To: KEN

I have sent the enclosed
submittal letter to these
people. Thank you.
Neal



TRAILS END ENTERPRISES
 H.C. 6 BOX 901
 KIRKLA ARIZONA 86332

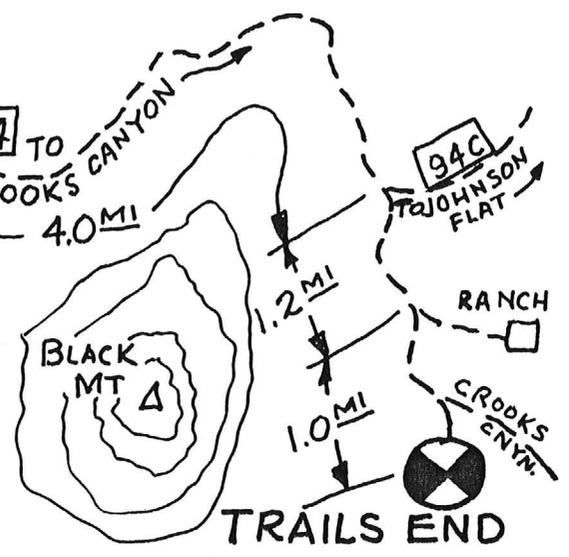


PHONE: (602) 778-8456

⊗ = TRAILS END MINE & MILL
 H.C. 68 BOX 901
 KIRKLAND, AZ. 86332

NEAL MISCHKE - PROP.
 CB CHN. 21
 "BROKEN PICK"

WARNING:
 WATCH OUT FOR
 CATTLE ON ROADS





TRAILS END MINE & MILL



H.C. 68 BOX 901, KIRKLAND, AZ 86332
(602) 778-8456

15 February 1987

Ken A. Phillips
Mineral Building
State Fairgrounds
Phoenix, AZ 85007

Dear Ken,

The following is the submittal letter we have sent out. Thank you for your help.

We (that is my wife and I, and our son) are the owners of 21 unpatented mining claims, the *TRAILS END GROUP*, located in Sections 6 & 1, Township 11N, Ranges 1 & 2W, G.S.R.B.& M., Yavapai County, Arizona. These claims cover a potential gold deposit whose surface extent is greater than 400 feet by 10,500 feet.

During a recent visit to the Arizona Department of Mineral Resources, I acquired your company's name and address as a firm that may be interested in receiving a submittal of my precious metal target.

In 1983, Bridgewest Development Corp. and Unistar Technologies Corp. purchased the mineral claims for \$2,000,000, on an industry standard percentage of gross arrangement. After spending about \$50,000 on the enclosed engineering report, and test drilling, they ran into a "Cash Flow Problem" when gold dipped below \$400 per oz. They reluctantly had to abandon this, and all their other properties, when they were forced out of business.

The enclosed Mining Report was prepared before the test drilling samples could be analyzed by M.P. Dickson, P.Eng. Mr. Dickson assures me the raw data is still in his possession, and we are negotiating with him to release it to us, as specified in our Mineral Lease & Option with Bridgewest.

The property has not been on the market since that lease was terminated, and by the Spring of 1985 we had completed a new ladderway down to the first drift of the Clarinda Shaft. It is now supplied with fresh air, electricity, compressed air and water. It is ready for inspection and sampling at any time.

Mr. Ken Phillips and Mr. Nyal Niemuth, Engineers with the Arizona Department of Mineral Resources, visited the property in December of 1985. They took numerous samples, measurements and notes. Unfortunately the samples for assay were misplaced, but the rest of their report should be available sometime in the future. Numerous other reports and data are on file at the Arizona Department of Mineral Resources offices.

At the present time, We are continuing to drive a drift into the side of a hill located about about 1/2 mile northeast of the Clarinda Shaft. The ore vein is 5 feet across, running about .16 oz. Au/ton and increasing as we go further in from the surface.

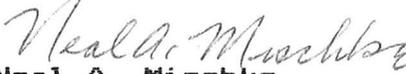
At this time we are offering to include the *TRAILS END MILL SITE* in a "cash out" type of sale. The mill site is located 6 miles west of the mine and includes: a 2-BR house, a large trailer house (with built-on's), a 24 ton/day quartz reduction mill with concentrators, 2 large workshops, several diesel and gasoline generators, dump truck, crane truck, D-8 Cat tractor, air compressor with rotary drills and bits, deep well water system, including 10,000 gallon storage tanks, 8,000 gallon underground fuel storage and dispensers, road grader, Bobcat loader, 800 gallons of propane storage, chickens, and a reliable free watchman with guard dog. In fact, everything needed to make it into a "turn-key" type of mining operation. All it needs is some manpower to start producing small quantities of ore and dore in a few days, not months from now.

The purchase price, lease terms, etc. are negotiable. However, if the mill site is wanted in addition to the mining claims, it should be included in a whole package, including the mill site and the mining claims.

We live at the mill and would be happy to show you the property at your convenience. Please feel free to contact us with any questions or to discuss the property further. We are on a Prescott area direct dial mobile phone, and during regular business hours there may be lots of traffic on our single frequency, so, keep trying. There is an automatic 3 min. cut-off on this phone system, and then we will have to call you back.

We have made a video tape of our operation, on VHS format, and have drawn up a proposed *MINERAL LEASE & OPTION* on the mining claims, for your consideration. We would be happy to send you either or both of these items at your further request.

Sincerely,


Neal A. Mischke

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Mineral Building, Fairgrounds

Phoenix, Arizona

- 1. Information from: W. C. Dean
- Address: Star Route Box 59 Kirkland
- 2. Mine: Gold Ridge group 3. No. of Claims - Patented _____
(Blaylock - Blalock) Unpatented 7 (6 long
Klondyke ~~1~~ claims
- 4. Location: NE of Kirkland
- 5. Sec. 3850 Tp T11N Range R2W 6. Mining District Kirkland (?)
- 7. Owner: W. C. Dean
- 8. Address: same
- 9. Operating Co.: same
- 10. Address: _____
- 11. President: _____ 12. Gen. Mgr.: _____
- 13. Principal Metals: Au 14. No. Employed: 23
- 15. Mill, Type & Capacity: Ball Mill 1TPH gravity
- 16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
- 17. New Work Planned: going to move mill about a mile to
obtain a better water supply.
- 18. Miscl. Notes: _____

Date: 12-16-69

(Signature) F. T. Johnson (Field Engineer)

MINE - TRAILS END
COUNTY - YAVAPAI

DATE 12/17/85
ENGINEERS - KAP & NJN

SAMPLE #	Au oz/ton	Ag oz/ton	LOCATION & DESCRIPTION
28106			face of Big Red adit, qtz vein with limonite boxwork sample width 4.6'
28107			Clarenda #1, 31' west of east rib of shaft, 2nd level, sample width 4.3', quartz vein
28108			Clarenda #2, 100' west of east rib of shaft, includes hw, fw, & qtz rib w/mafic horse, cuox stains, sample width 6.4' inc. 2.' of mafic horse
28109			Clarenda #3, 130' west of east rib of shaft, near west fault

Postnote

Samples were lost by the assayer. They were being run au gratis and during some rush orders they were inadvertently lost. NJN 3/86

Greetings to you all from the Trails End Mine in the Hassayampa Valley, Arizona. Yes, the Mischkes have done it again — In November last year, 1976 that is, we bought this Gold Mine and a real, live, working Quartz reduction mill in a corner of the Prescott National Forest about 37 miles from the beautiful, little old city of Prescott, Arizona. When we told Mark what we were going to do he sounded so eager to do something like that, we just said "Come along," so Neal and Mark moved in immediately. Eric and I stayed in Encinitas to complete the sale of our "Castle," finish out the school year and PACK.

Dean, who is in the Navy, came home in June after a 1 year tour of duty in Iceland. On the 26th of June he married the lovely girl he fell in love with when they were 15 years old. Her name is Leesa. They are now living in Jacksonville, Fla., where he is stationed.

In July, Eric and I moved to Prescott and rented a house, where we'll be living for the 2 more years he has of high school.

All 3 of my gold miners are attending college classes here in Prescott, taking courses like mining, geology and welding. So, we're back and forth between here and the mill like yo-yo's. Neal even took a course this year in blasting.

We discovered quite recently, that when Neal's Dad was a young man he came out west and settled for 2 years in Prescott. His job was hauling dynamite by mule to the gold mines in the area. Possibly even the one we now own. He always talked of returning but didn't have the opportunity. Mark looks very much like pictures taken of Pop when he was a young man, so maybe he's with us in spirit.

Neal and I have done a lot of traveling this year. Made a quick trip to see Dean and Leesa in Fla. Have been to New Mexico a couple of times, back to So. Calif. many times, Las Vegas and Northern Calif. and just got back from Mexico.

We love it here in Arizona and are excited about our new adventure. If you are ever in our area, we sure do hope you'll come for a visit. We've put down our phone number so you can call just to make sure we're not out on the road again.

Have a Happy Christmas and a Wonderful New Year!

Love from us all,

Neal - "Broken Pick"
Phyllis - "Silver Lady"
Mark - "Polish Sausage"
Eric - "Roadrider"

Mill Address:

~~P.O. Box 59 Star Route~~
Kirkland, Ariz. 86332

~~425 Webb Pl.~~
~~Prescott, Ariz. 86301~~
~~(602) 445-3241~~



TRAILS END MINE & MILL



1254 NANCY DRIVE, PRESCOTT, AZ 86301
(520) 771- 0969

24 December 1997

Bill Miller
102 East Loma Linda Drive
Tempe AZ 85282-35224

Dear Mr. Miller,

Thank you for your call yesterday inquiring about the Trails End Mine & Mill again. Enclosed is the additional information I promised you in my letter of the 29th of November, from Mexico, which you may be receiving soon? Mabe? Mabe? As you know!

We are the owners of 19 unpatented lode mining claims, the TRAILS END & GOLD RIDGE GROUPS, Township 11N, Sections 1, 2, 11 & 12 of Range 2 W, & Section 6 of Range 1 W, G.S.R.B. & M., Yavapai County, Arizona. These claims are located at an elevation of 6,000 feet, on the west slope of the Bradshaw Mountains, 10 air miles due south of Prescott (45 miles by road) and cover a potential gold vein whose surface length is in excess 10,500'. The mine is noted on the Mount Union Quadrangle Chart.

The property was purchased by us in 1976 and we have continued the development of the holdings, obtained 100% clear titles and researched it's past history. After satisfying ourselves of the existence of substantial quantities of commercial grade ores, we offered it for lease, with a purchase option, in 1982.

In 1983, Bridgewest Development Corp. and Unistar Technologies Corp. purchased the mineral claims for \$2,000,000, on an industry standard "Percentage of Gross" lease contract, with an "Option to Purchase". After spending about \$50,000 on an engineering report, they ran into a "Cash Flow Problem" with their other properties, when gold dipped below \$400 per oz. They reluctantly had to abandon this, and all their other projects, when they were forced out of business. Some samples obtained by their engineer were as high as 2.68 oz. au. per ton of quartz ore.

Mr. Ken Phillips and Mr. Nyal Niemuth, Engineers with the Arizona Department of Mineral Resources, visited the property in December of 1985. They took samples, measurements and notes, and said they were favorably impressed. Numerous other reports and data are on file at the Arizona Department of Mineral Resources office in Phoenix, AZ, going back to 1907.

During the next several years we sold the property on the same type of lease purchase contract, twice more, for \$1,000,000 each time. Again, after a year or so of paying the monthly lease, the purchasers reluctantly returned the property to us when they couldn't put together a big enough promotional deal with potential investors. We have, until the last 3 or 4 years, continued to mine and process gold on a small scale and to improve the property. By the Spring of 1994 we had completed a new all steel ladderway down to the first 70' drift, of the Clarinda Shaft, which is 140' deep and installed an air driven mucking system. This shaft now has a diesel operated hydraulic winch with a new steel headframe.

Recent studies, by a local engineer, suggest several parallel veins on the property. The dips of the various veins seem to indicate they meet underground, which he thinks will be a high value area. Also, recently a minerologist in Congress, AZ, has made some tests of concentrates from our mill and thinks there may be another 2 to 4 oz. AU/ ton locked up in some arsenopyrites. He feels this "extra" gold can be recovered with a pre-roasting and floatation process.

The mill site is located 6 miles west of the mine, at 4,200' elevation, on a County maintained well graded dirt road, 6 miles east of the paved road and our mail box. It includes a 2-BR. stone house, a large trailer house, a complete 24 to 30 ton/day quartz reduction mill with concentrators, 2 large workshops, several diesel and gasoline generators to create all our own electricity (3 phase), dump truck, crane truck, 2 D-8 CAT tractors with spare parts, air compressor with rotary drills and bits, deep well water system that includes 20,000 gallons of storage, 400 gallon diesel fuel storage tank with dispensers, pull type road grader, Bobcat loader, and 800 gallons of propane storage. A small diesel tractor with Gannon and a large trailer mounted arc welder are for your use (on loan from my son) and these two items may be purchased or returned to him when he needs them. In fact, everything needed to make it into a "turn-key" type of mining operation. All it needs is some manpower to start producing small quantities of very high grade doré in a few weeks, not months or years from now. This would allow some cash flow, while further exploration and development of the property continues.

We have a currently valid Operating Plan with the Forestry Dept. The plan includes a \$23,307 reclamation bond, but no problems about the usual environmental difficulties, and will be expandable, if you bring in more equipment. The bond amount we have posted is not included in the price of the property, but it can be covered in many ways that allow you to continue collecting interest, such as putting cash, CDs, Money Market accounts, or Letters of Credit, etc., in a federally insured bank, in lieu of depositing cash with the Forestry.

In answer to the usual question about reasonably possible reserves; there are thousands of tons of ore ready to be blasted out, hauled to the mill and processed. With 10,000 feet of vein to go, and plenty of hard work, there should be enough to last several life times, on a small scale operation. By separating the quartz from the shist before milling, the quartz should average 1 oz./Au./ton, and 3 to 4 good workers should be able to mine, haul, mill, smelt and send off a minimum of 15 to 30 oz./au. doré to the refiners in a week or less, on a medium scale operation. The number of workers available, how hard they or you are willing to work, and how much time they or you are willing to put in, are the only factors involved in the net proceeds to be gained by mining this property. A much larger operation and a lot more bucks would bring in much more gold.

Old age and health problems are forcing us to sacrifice the property for the price of \$300,000. If after you have viewed and tested the property, we will be happy to consider any reasonable offer as to a possible terms, preferably a cash-out. I'm a retired Los Angeles City Fire Department Engineer, a retired Air force Colonel, pushing 76, and we just can't hold out any longer for another \$1,000,000 offer. We have enough money to live well on, if we can clear up our debts with our equity in the mine, and want to play full time the few remaining years of our lives.

If you desire further information, or to discuss the property further, please contact us again and we will be happy to talk about any ideas you may have. We have plenty of space for trailer, motor home or camper parking, with hook-ups, and you are welcome to come up at any time and stay as long as you like. There are plenty of motel rooms in Yarnell (25 miles) or Prescott (45 miles).

Sincerely,



Neal Mischke, owner

END

TRAIL'S

LANDING SHaFT

STaY 1845
STaY 1907

stope

e. drift

west drift

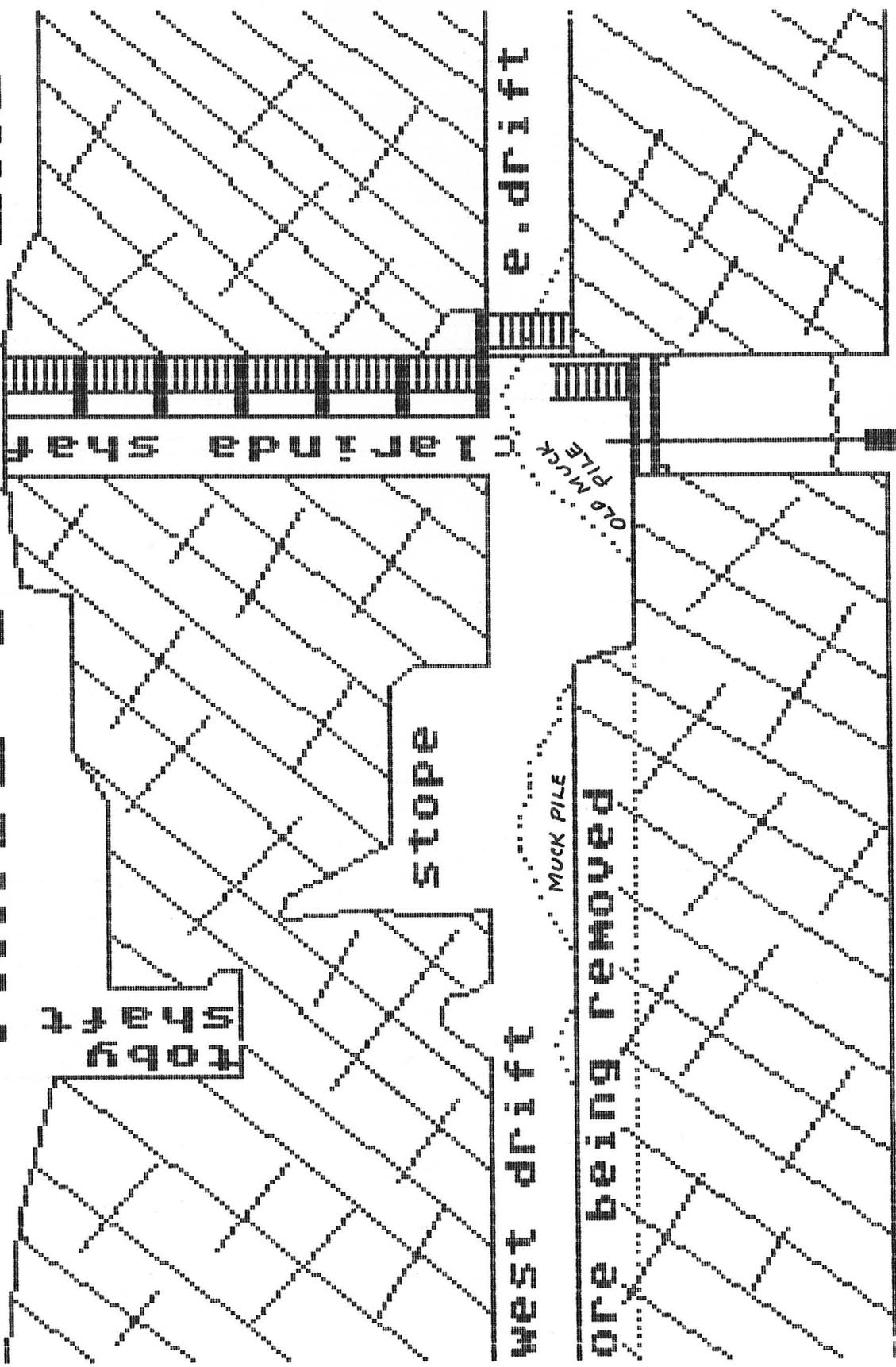
MUCK PILE

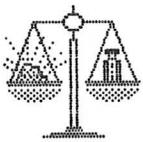
ore being removed

OLD MUCK PILE

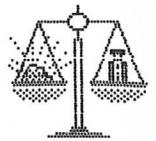
lower drift

PUMP





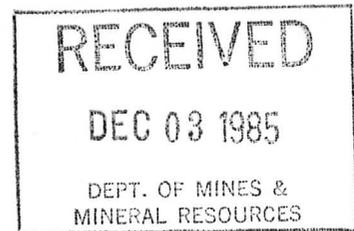
TRAIL'S END MINE & MILL



H.C.68 BOX 901 - KIRKLAND, AZ 86332
(602) 778-8456

26 November 1985

Ken A. Phillips
Arizona Dept. of Mines & Mineral Resources
Mineral Bldg., Fairgrounds
Phoenix, AZ 85007



Dear Ken,

My son and I are members of the Congress Council of the Arizona Prospectors & Small Mine Operators Association, and have met you several times in Congress and Prescott. We think we are finally ready to request a visit to our property at your earliest convenience.

In 1983 we contracted the sale of our mining claims with Bridgewest Development Corp., a Canadian outfit. When gold went below \$400 per oz., they suddenly had a cash flow problem and reluctantly canceled their obligations to us. Actually we were relieved to get the property back, and have no further plans to offer it for sale.

The earlier reports on our mine by A.L. Flagg (in 1926), F.B. Weeks (in 1934), and G.C. Ridland (in 1964), which we had obtained from your files, were very encouraging. As we all know though, in this business, it doesn't pay to believe anything that can't be double checked by yourself personally. When Bridgewest folded, they were kind enough to send us a very extensive report by M.P. Dickson. We are enclosing a copy of this report for you to include in your files on the Trail's End.

We have followed Mr. Dickson's advice and have dewatered the Clarinda Shaft down below the first drift. We have built an enclosed ladderway, with landings every 10 feet, installed new fresh air and compressed air lines, a new concrete cap with doors, and lighting and power. Enclosed also you will find a computer readout of the present situation. We need advice on whether we are proceeding in the proper way, and would appreciate any help you can give us. What does not show in the report is the fact that we have an honest 1 ton per hour mill setup, and have been processing and smelting to a dore button, which we send to Engelhard.

It looks now as if we will be gone from the 5th of December to about the 13th. If and when you can come we have a spare bedroom, if you need to stay overnight, and we will dine you royally. Our mobilphone is so far away from Prescott that the reception can get shakey at times, so please keep trying, or just write us a note with the date you choose.

Sincerely yours,

Neal A. Mischke
Neal A. Mischke



4

ADTEC

Mining Consultants Incorporated

December 4, 1985

Mr. Neal A. Mischke
Trail's End Mine & Mill
H.C. 68 Box 901
Kirland, AZ 86332
U.S.A.

Dear Neal,

Nice to hear from you after almost 1½ years from leaving the property.

Am sending along a copy of Page 9 of the report as you requested. Am returning your cheque as Adtec & myself were certainly well treated by you people and welcome the opportunity to return this small favor.

Unfortunately, we did not locate what Bridgewest needed to carry on with the project. I never did plot up all details or make a final map as it was not requested of me. However, we continue to hold the information, should the occasion arise when the information is needed.

I believe the approach you people are taking is the correct one at this time and congratulate you on your work to date, and wish you luck on your future endeavors.

If I am ever close to your area, I will drop in and say hello.

Best regards,



Plen Dickson

TRAILS END MINE

YAVAPAI COUNTY

KAP WR 12/20/85: In the company of Nyal Niemuth a visit was made to the Trails End Mine and Mill (file), Yavapai County. The mill was toured and a list of equipment made. The gravity mill is capable of treating about one ton per hour. The Trails End Mine is located about 6 miles from the mill. Both current work and some past underground workings were visited. The Clarendia shaft and drifts were mapped and 4 samples were taken from the underground workings. A separate report with maps and sample data has been assembled for the file.

Date Printed: 12/24/92

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

Information from: Neal Mischke

Company: Trail's End Enterprises

Address: P.O. Box 59, Star Route,

City, State ZIP: Kirkland, AZ 85332

Phone: 602-778-8456

MINE: Trail's End Mine and Mill

ADMMR Mine File: Trail's End Mine

County: Yavapai

AzMILS Number: 1247

SUMMARY

Neal Mischke called asking for suggestions on how to deal with the Forest Service who is trying to run them off their millsite or pay a sizable reclamation bond. Considering the extenuation circumstances that have prevented his operation in the last few years and the elapse of the appeal time on the Forest Service's plan of operations, it was suggested he contact an attorney familiar with negotiating operating plans with the Forest Service.

Ken A. Phillips, Chief Engineer Date: December 14, 1992

•Intra~Company Correspondence

SHATTUCK DENN MINING CORPORATION
and

SUBSIDIARIES

Humboldt Office
Date - April 29, 1966

TO: C. R. Sundeen

SUBJECT: TRAILS END PROPERTY

FROM: J. Olaf Sund

% G.C. Ridland, Geological Engineer

Phoenix, Arizona

TYPE: Gold

TERMS REQUESTED: Not Disclosed

LOCATION:

This prospect is 16 miles due south from Prescott and is approximately 24 miles by road. Specifically it is located in section 1, township 11 north and range 2 west.

CLAIMS

There are nine unpatented claims in the group called Trails End 1 to 3, Klondike and Klondike 1 to 4, and the Golden Dome.

GEOLOGY:

The claims are underlain by the greyish, fine-grained, massive Bradshaw granite. Moderate shearing occurs on the property along which two quartz veins have intruded. These veins are some 6 inches to 1 foot wide, dip steeply south and strike north 50 degrees east. The quartz is white, glassy and barren of any significant sulphide mineralization. A moderate limonite stain occurs in the few quartz fractures.

Amphibolitic schist rocks are mixed with the granite in the dump and presumably represent a metamorphosed lava inclusion in the granite.

MINING:

Two shafts 60 feet apart on the quartz veins are 155 and 20 feet deep. Three hundred feet of drifting is claimed but the quantity of the dumps do not bear this out.

SAMPLES

The quartz veins and quartz from the selected pile of "ore" were sampled and assayed as follows:

<u>Sample No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>
12313	Altered granite	Nil	Nil
12314	Quartz, with rust	.02	Nil
3.2315	Quartz	.03	Nil
12316	Quartz	Tr	Nil
12317	Quartz ore w/rust	Nil	Nil
12318	Quartz ore w/rust	Nil	Nil

12319	Quartz	.34	Nil
12320	Quartz	.023	Nil
12321	Altered Granite	.03	Nil
12322	Amphibolite schist w/pyrite	Nil	Nil

CONCLUSIONS

The lack of consistent values and the obvious inconsistency of the veins would rate this as a poor prospect. Nothing should be done with this property.

JOS/db

SHATTUCK DENN MINING CORPORATION
and
SUBSIDIARIES

Humboldt Office

Date..... April 29, 1966

TO: C. R. Sundeen
FROM: C. Olaf Sund

SUBJECT: TRAILS END PROPERTY
% G.C. Ridland, Geological
Engineer
Phoenix, Arizona

RE: Gold

DETAILS REQUESTED: Not Disclosed

LOCATION:

This prospect is some 16 miles due south from Prescott and is approximately 24 miles by road. Specifically it is located in Section 1, township 11 north and range 2 west.

There are nine unpatented claims in the group called Trails End 1 to 3, Klondike and Klondike 1 to 4, and the Golden Dome.

DESCRIPTION:

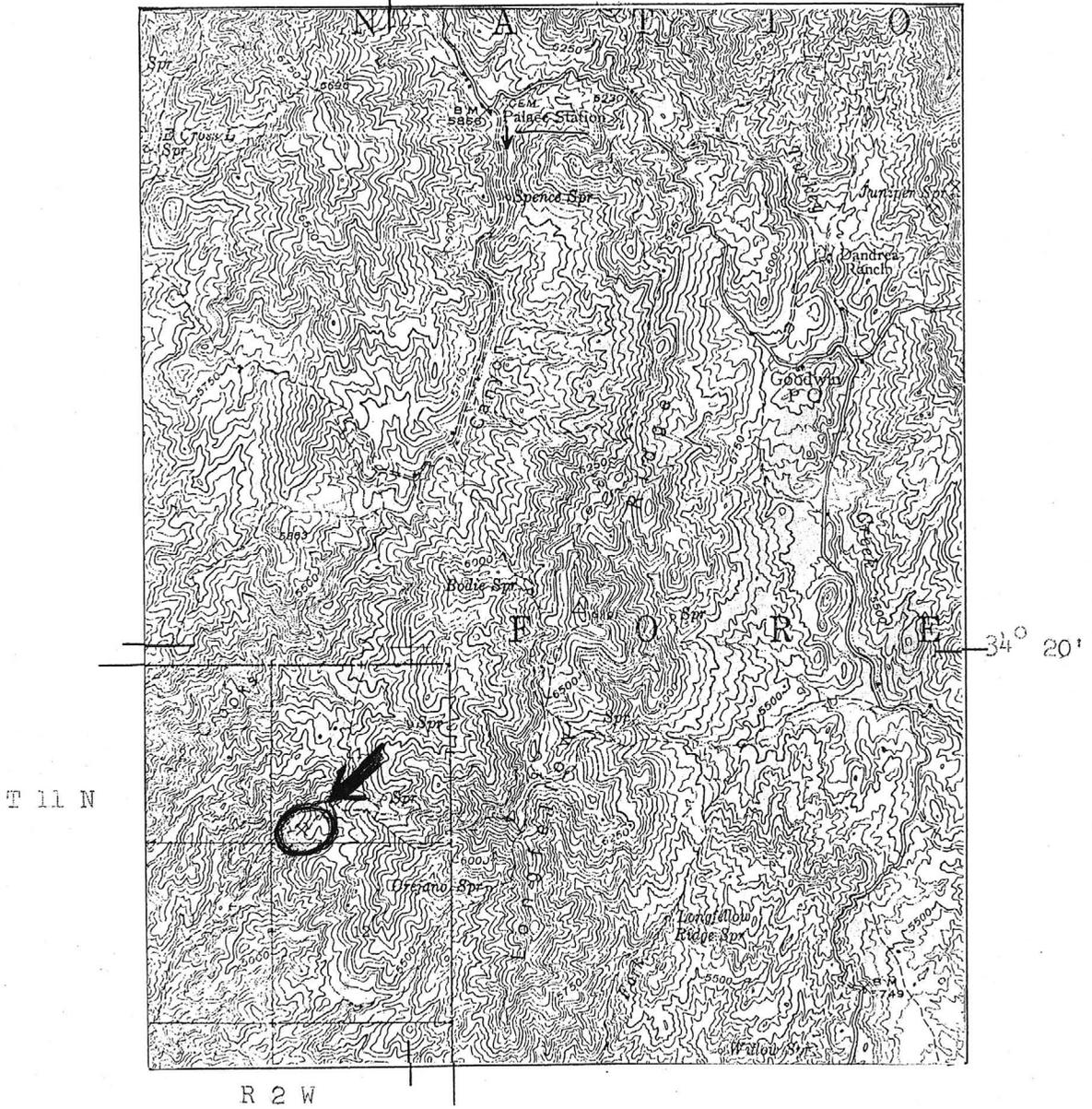
The claims are underlain by the greyish, fine-grained, massive Bradshaw granite. Moderate shearing occurs on the property along which two quartz veins have intruded. These veins are some 6 inches to 1 foot wide, dip steeply south and strike north 50 degrees east. The quartz is white, glassy and barren of any significant sulphide mineralization. A moderate limonite stain occurs in the few quartz fractures.

Amphibolitic schist rocks are mixed with the granite in the dump and presumably represent a metamorphosed lava inclusion in the granite.

MINING:

Two shafts 30 feet apart on the quartz veins are 155 and 20 feet deep. Three hundred feet of drifting is claimed but the quantity of the dumps do not bear this out.

112° 25'



LOCATION AND ACCESS TO THE TRAILS END PROPERTY

Scale 1 : 62,500

SAMPLING:

The quartz veins and quartz from the selected pile of "ore" were sampled and assayed as follows:

<u>Sample No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>
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12315	Quartz	.03	Nil
12316	Quartz	Tr	Nil
12317	Quartz ore w/rust	Nil	Nil
12318	Quartz ore w/rust	Nil	Nil
12319	Quartz	.34	Nil
12320	Quartz	.03	Nil
12321	Altered Granite	.03	Nil
12322	Amphibolite schist w/pyrite	Nil	Nil

CONCLUSIONS:

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