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# Aero Geology & Engineering Services

SURVEYING  
AERIAL PHOTO-TOPOGRAPHY  
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GEO-CHEMICAL SURVEYS

"WORLD COVERAGE"

R. E. MIERITZ, REG'D. ENG., PRINCIPAL EXECUTIVE

PETROLEUM GEOLOGY  
MINERAL GEOLOGY  
MINING  
EXAMINATIONS  
EXPLORATION

810 East Colter Street

PHOENIX, ARIZONA

Phone 82-57302

AM. 4-0621

October 4, 1962

Mr. G. L. Wright  
20 West Catherine  
Phoenix, Arizona

Dear Mr. Wright:

As suggested, I have prepared this letter separately to advise you the patent potential of your Gladys #1 claim.

The samples taken from the developments are not of sufficient value to serve as a patent basis, thus, it would not be advisable at this time to apply for patent because I am sure it would be turned down.

As stated in the report, gold mineralization in that area would be erratic, thus, it is extremely possible, and I feel quite sure, that you could encounter gold of a higher value in the quartz vein with additional work--as a drift--toward the east on the level of the road. That is one reason I suggested the particular sampling and recording program. Until such time as you do encounter higher values--\$15.00 or so, it would be a waste of money to apply for patent.

Meanwhile, any work you do will "improve" the claim and such expenditures will apply as assessment work--even the cost of this report and work can be used for assessment work.

You perhaps already know what routes you can follow in order to maintain a residence there, but I shall mention same here. You yourself must make the decision.

(1)- Continue to develop the claim by annual assesment work and hold same by "right of location" and since this is an "old" claim, I am sure the surface rights are part of it--the lawyer can clarify this for you. Being retired, you can accomplish this quite easily.

(2)- At the time of passage of the new law, which

- 2 -

would provide that a claim owner who has made his home on the claim, can ~~6666~~have five acres of the claim for his homesite and receive a deed of same.

I would suggest that route (2) may be your best solution in as much as you indicated that you would want the property for your children and would spend \$1000.00 for patent proceedings.

I realize also your thought of a little additional income from the development of the quartz vein, however, the mineralization you may encounter will not be \$30.00 to \$40.00 per ton--more like the \$15.00/ton as previously mentioned. Were you to recover the full value per ton--which is not likely--, it would require that you mine and crush fifteen tons in order to receive a revenue of \$220 per year. This tonnage is not great, but when it is mined and crushed by hand, it is a mountain.

Mr. Arthur L. Goodman, the attorney at 221 E. Culver Street would handle the patent application for you and discuss same with you. I would suggest you permit Mr. Goodman to review the report, letter and your position and then let him advise you.

Sincerely yours,

Richard E. Mieritz.

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PHOENIX, ARIZONA

PETROLEUM GEOLOGY  
MINERAL GEOLOGY  
MINING  
EXAMINATIONS  
EXPLORATION

A RECONNAISSANT

GEOLOGIC REPORT

of the

GLADYS # 1 CLAIM

in the

PAYSON MINING DISTRICT

in

GILA COUNTY, ARIZONA

by

Richard E. Mieritz  
Consulting Mining Engineer  
Phoenix, Arizona

October 1, 1962



## INTRODUCTION

At the request of Mr. G. L. Wright, the writer completed a brief geological examination and Brunton-pace survey of the Gladys #1 lode claim located northeast of Payson on the East Verde River in Gila County, Arizona.

## PROPERTY & LOCATION

Mr. G. L. Wright owns but one lode claim, Gladys #1, which was originally located on July 4, 1937 and transferred to Mr. G. L. Wright by quit claim deed in 1949.

The Gladys claim is located on the East Verde River. As near as can be determined, the claim lies in Sec. 34 of T. 12 N., R. 10 E., approximately halfway between Green Valley or Payson Mining District and the Long Valley Mining District.

## ACCESSIBILITY & FACILITIES

Car travel to the claim from Payson is possible by travelling north 2.3 miles on the Payson-Pine State Highway 87 from the Heber road junction northeast of Payson to the Houston Mesa or Washington Park turn-off--east or to the right. Travel the Washington Park gravel-dirt road 9.2 miles to the claim--immediately after crossing the East Verde River the second time.

The East Verde River must go underground at this point or thereabouts, because the second crossing is dry as contrasted to the first crossing about 1 mile away. There is however, a spring on the property but this past summer it also has gone dry.

The Arizona Public Service Washington Park power line passes through the claim. (see included map).

The property lacks gas facilities.

## GEOLOGY & MINERALIZATION

Rock exposures in the immediate area are Pre-Cambrian granite and related crystalline igneous rocks as diorite, etc, the Carboniferous sediments as quartzite and limestone, and a later andesite(?) plug or two.

Structurally, there appears to be a trend of veins and faults which strike N. 45° E. and dip steeply to the southwest.

One such fault and one such vein was observed in two separate workings or developments. (see included map).

A cut and adit at the southwestern end of the claim exhibits a fault with 3 to 12 inches of gouge containing oxides of iron, which dips  $75^{\circ}$  to the southeast.

A 40 foot cut near the middle southeast side line exhibits a 16 to 20 inch quartz and iron oxide vein which dips  $65^{\circ}$  to the southeast. This vein is widening with depth.

Mr. Wright advised that an old shaft, now caved, but evidenced by its dump, had been sunk on the vein to a 50 foot depth. The dump still shows evidence of quartz-iron fragments.

Both of these structures have the possibility of carrying or containing gold mineralization, however, such mineralization will be quite erratic. The erratic character is common to the Payson area as evidenced by the writers experience and knowledge of other mines in the area.

The writer took three character samples, one each of the two structures in the developments and one of the wall rock of the quartz fissure near the side line of the claim. The results of these samples are tabulated below.

	oz./ ton
Sample #136 - 6" of gouge from fault zone, face	Tr.
Sample #137 - 12" of quartz-iron fissure-face	.005
Sample #138 - piece of wall rock, granite-diorite	Tr.

Although the samples are weak in gold mineralization or content, additional work should be done on the quartz vein. This vein exhibits a moderate amount of yellow, brown and some black iron oxide which the writer believes to be oxidation products of pyrite, iron sulphide. Gold quite frequently is associated with pyrite and/or the iron oxides. it is possible that the low assays are due to surface influence of washing away of the gold freed during the process of iron oxidation.

Thus, increased values could be anticipated below the depth of surface influence which could be 15 feet or 50 feet, it is difficult to estimate.

The suggested work to be done is to advance the cut to the northeast and drift on the vein to gain a "back" and depth below surface influence. The new quartz face of each round, 2 to 3 feet advance, should be sampled, each sample length measured and each sample located by measuring from some permanent point in the cut. A portion of the sample can be used for panning and a portion for assaying. All information should be recorded for future use and analysis.



OPERATION

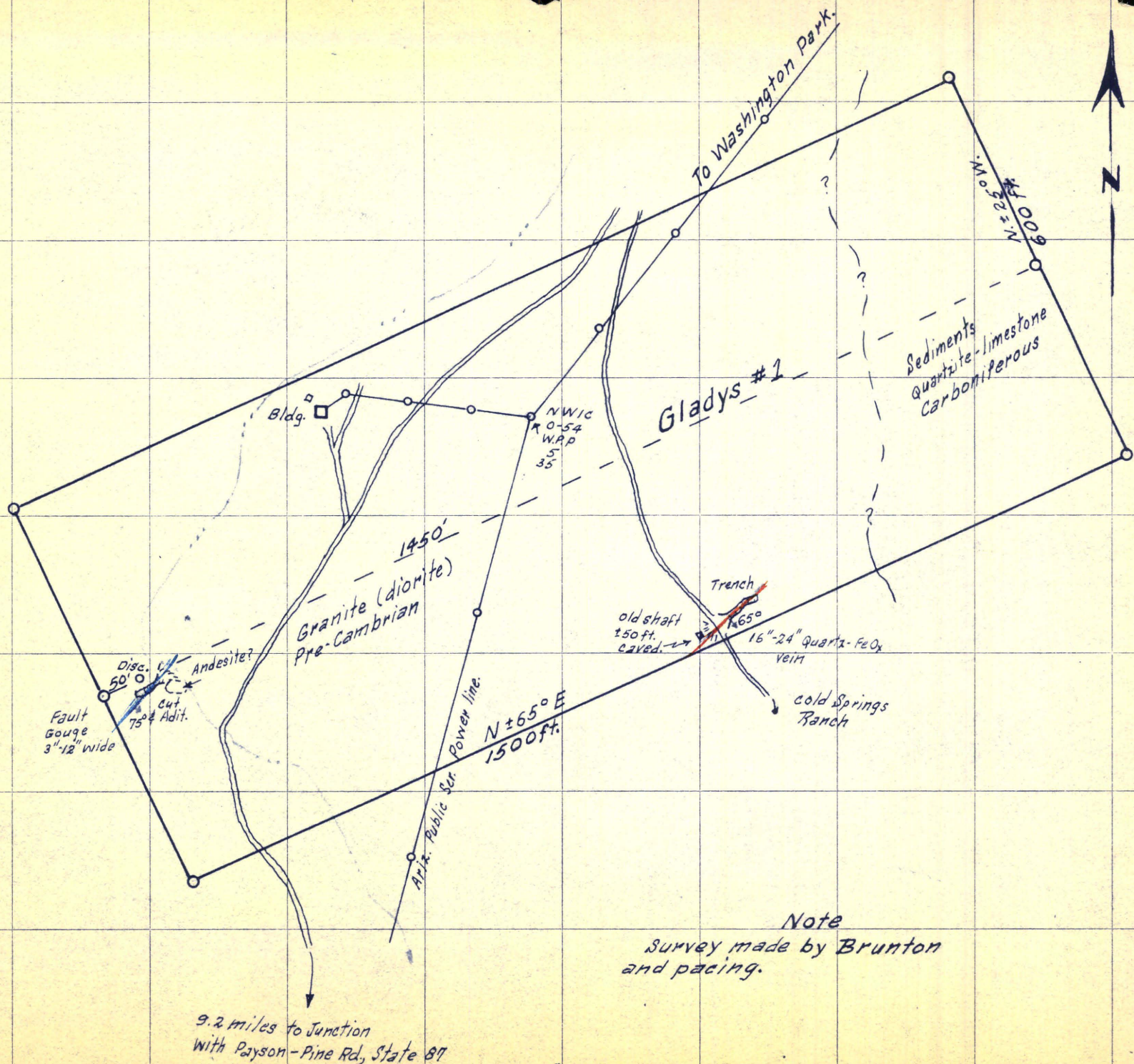
You, as a retired person and owner of the claim could operate or produce free gold from this claim by much hard-laborious work. The quartz vein could be mined, hand crushed and machine crushed with the Small "rod" mill that you have, the fine material panned and the "colors" recovered. Such an operation could net you six to eight ounces a year--not much--but some revenue for spare time.

Respectfully submitted,

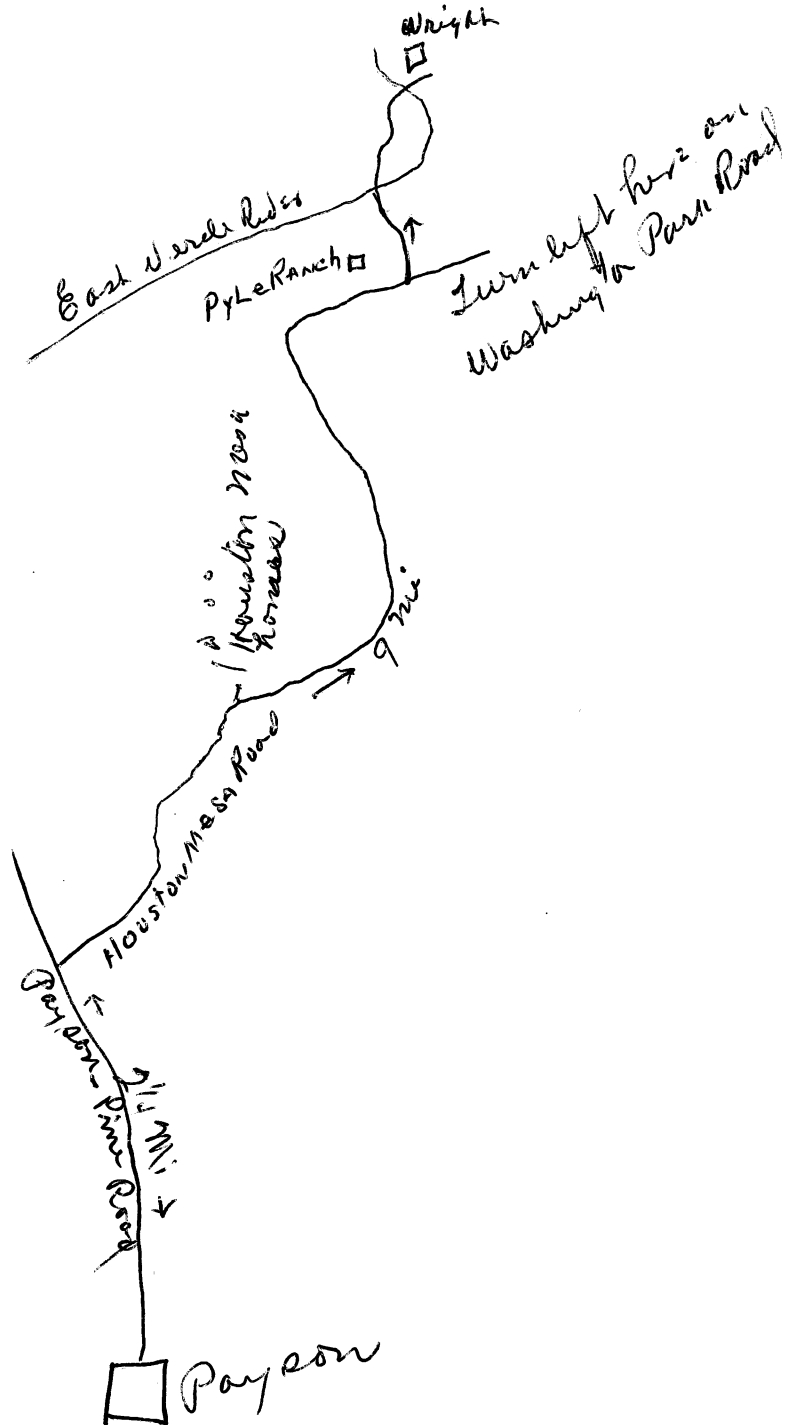
Richard E. Mieritz, P. E.  
Consulting Mining Engineer  
Phoenix, Arizona

October 1, 1962





Note  
 Survey made by Brunton  
 and pacing.



My home is on The East Verde just as you make the 2nd Crossing.



Phoenix 9. 14-62

Mr Richard E. Mieritz  
Phoenix

Dear Sir: I talked with you this morning regarding a mining claim I have north of Payson on which I would like to have a survey. As I told you I had to arrange my finances and can pay you now for the field work \$100.00 and about Oct 5th can pay for the report. If this is satisfactory I would like for you to come up next week. I am going up today and will be there until Sept 24th. so if you have the time come on up.

Am attaching a map so you will have no trouble finding me  
yours

G. L. Smith  
20 West Catherine apt 15  
Phoenix.