



CONTACT INFORMATION  
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PACIFIC  
REGIONAL  
OPERATIONS, INC.

P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

SUBJECT: Preliminary Geological Investigation, Black Eagle Property,  
Wallapai Mining District, Arizona

TO: File

FROM: William Vanderwall, Geologist

DATE: July 20, 1981

The Black Eagle Property consists of three, contiguous, patented mining claims located in the W1/2 of Section 18, Township 22N, Range 17W, G&SRM, Wallapai Mining District, Arizona. The claims are known as the Black Eagle, Black Eagle Annex, and Twinn Basin; they comprise approximately 60 acres.

The claims can be reached by following the Old Cerbat Mill Road east from U.S. Highway 93 to the Champion Mine (U.S.G.S. Cerbat quadrangle, 7.5 minute, topographic map) then by foot trail approximately one-half mile up a steep wash to the Twinns Mine which is located adjacent to the Black Eagle property and appears to be the only major working in the area. The topographic relief is steep and rugged, the property being near the summit of the Western Cerbat Peaks. Vegetation is sparse being mostly cacti and brush. No water is present on the property.

One field day was spent on the property walking out traverses designed to be perpendicular to the direction of mineralized veins typical in the Cerbat Mountains.

One vein was noted on the property which projected to an intersection with the Twinn vein located adjacent to the property. The country rock is metamorphosed igneous and sedimentary rocks probably of Pre-Cambrian age.

The Twinn Basin claim appears to be the only claim which contains surface exposures of the mineralization. The vein is approximately 12 inches wide at the surface, irradic in outcrop and composed of quartz, limonite, and clay(?). The vein strikes N. 15° - 35° E and dips 75°-82° NE. Assay results give a trace of gold and one-half ounce of silver per ton indicating the vein to be, for the most part, uneconomic.

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# TWIN BASIN GROUP

T 22 N R 17 W  
SEC 18

NW/4

4000

Country Rock  
PE metamorphics

BLACK WARRIOR

BLACK EAGLE ANNEX

BLACK EAGLE

TWIN BASIN

SACOTASH

4200

4400

4600

X4722

SW/4

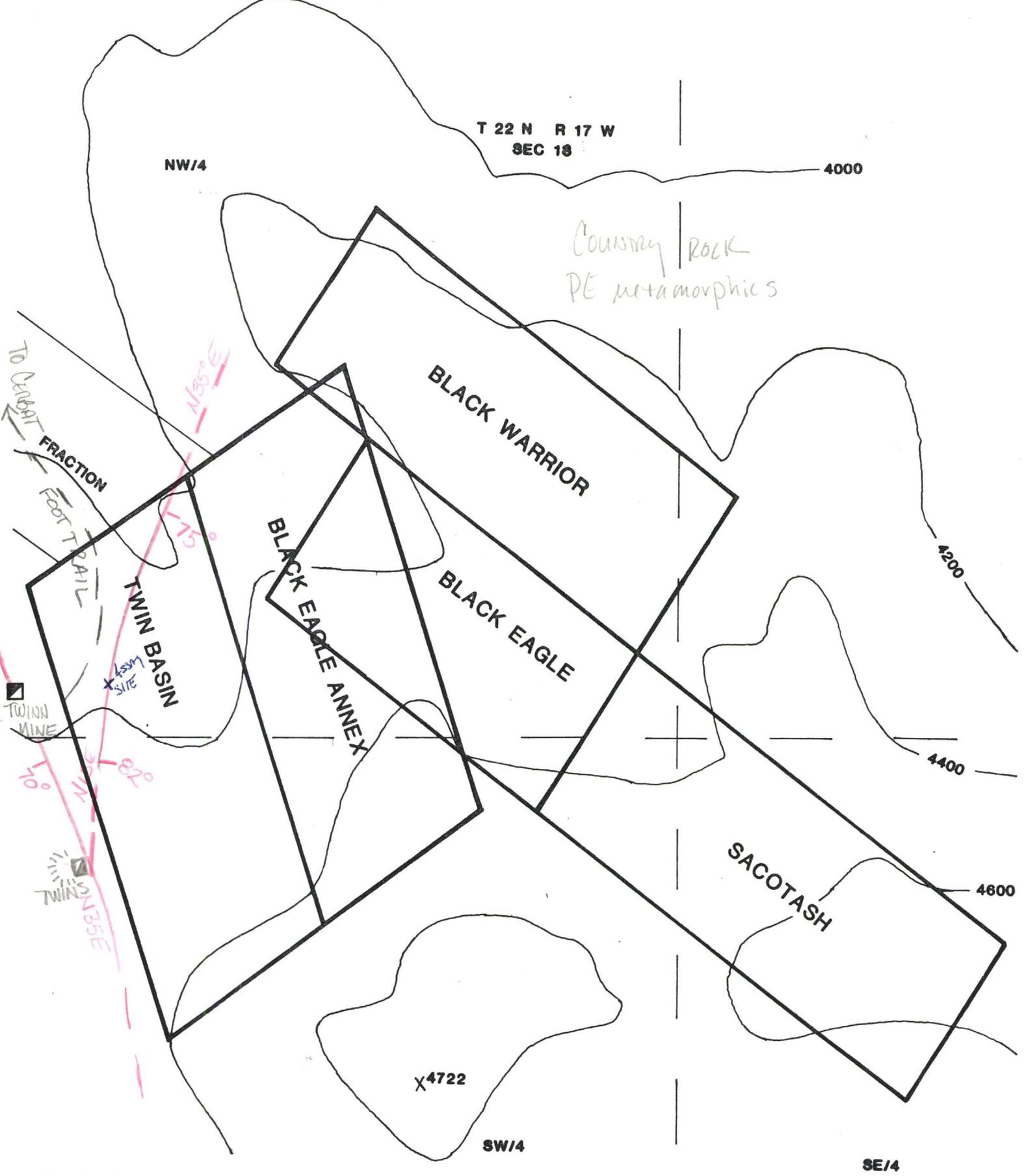
SE/4

SCALE: 1"=400'

TO DEERHAT  
FRACTION  
FOOT TRAIL  
TWIN MINE  
TWIN MINE  
X4500 SITE  
N35°E  
N35°E  
N35°E  
N35°E

75°

82°



PACIFIC  
REGIONAL  
OPERATIONS, INC.

P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

July 28, 1981

Arthur Quaintance  
5027 Kingfisher  
Houston, Texas 77035

Dear Mr. Quaintance:

Thank you for allowing our geological staff to examine your property in the Wallapai Mining District, Mohave County, Arizona.

After reviewing the preliminary report on your claims management has decided the mineralization is too weak to constitute an economic ore deposit at this time. Therefore, Pacific Regional Operations, Inc., declines to further investigate your land.

Enclosed is a copy of our preliminary report.

Sincerely,

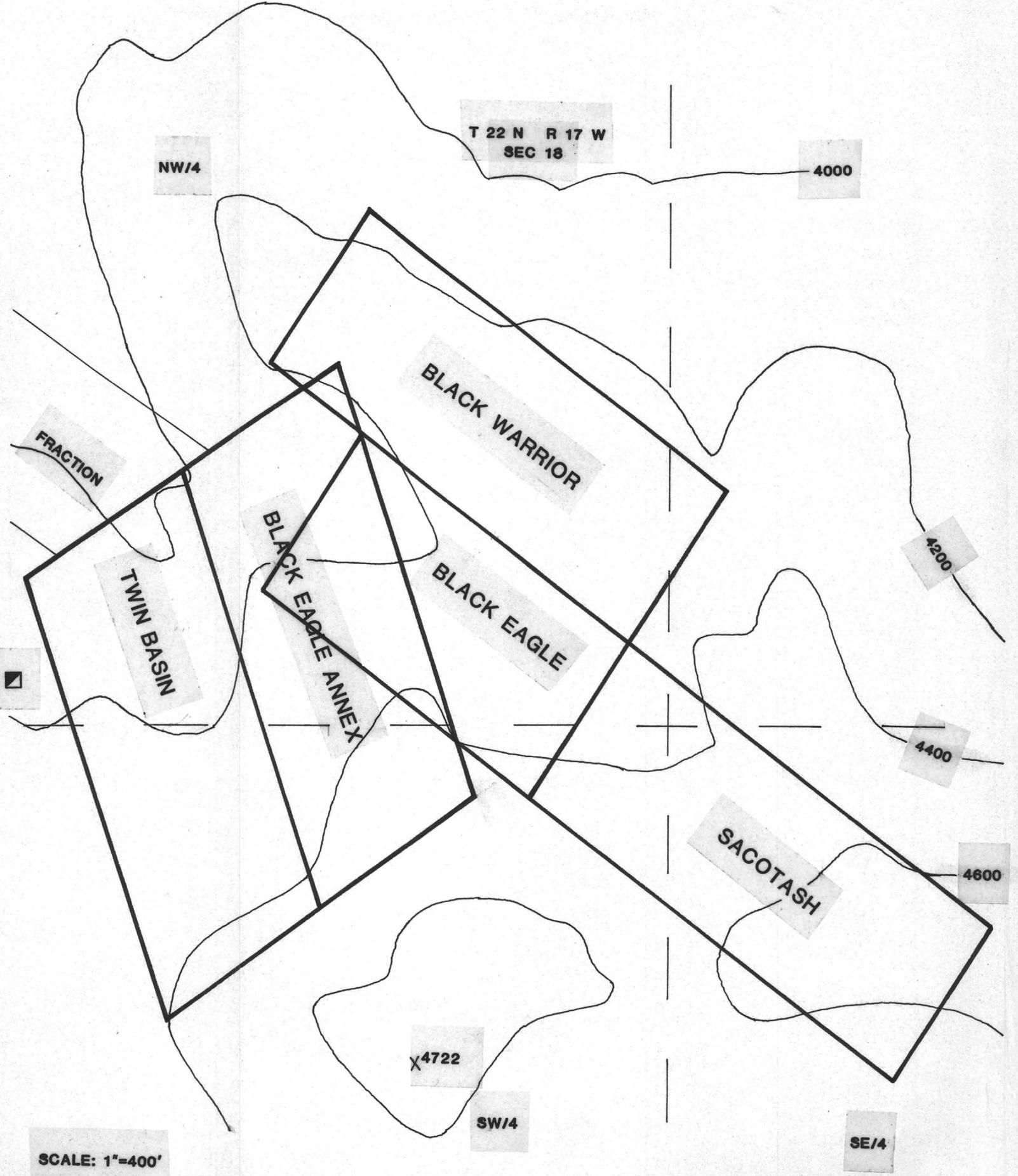


William C. Vanderwall  
Geologist

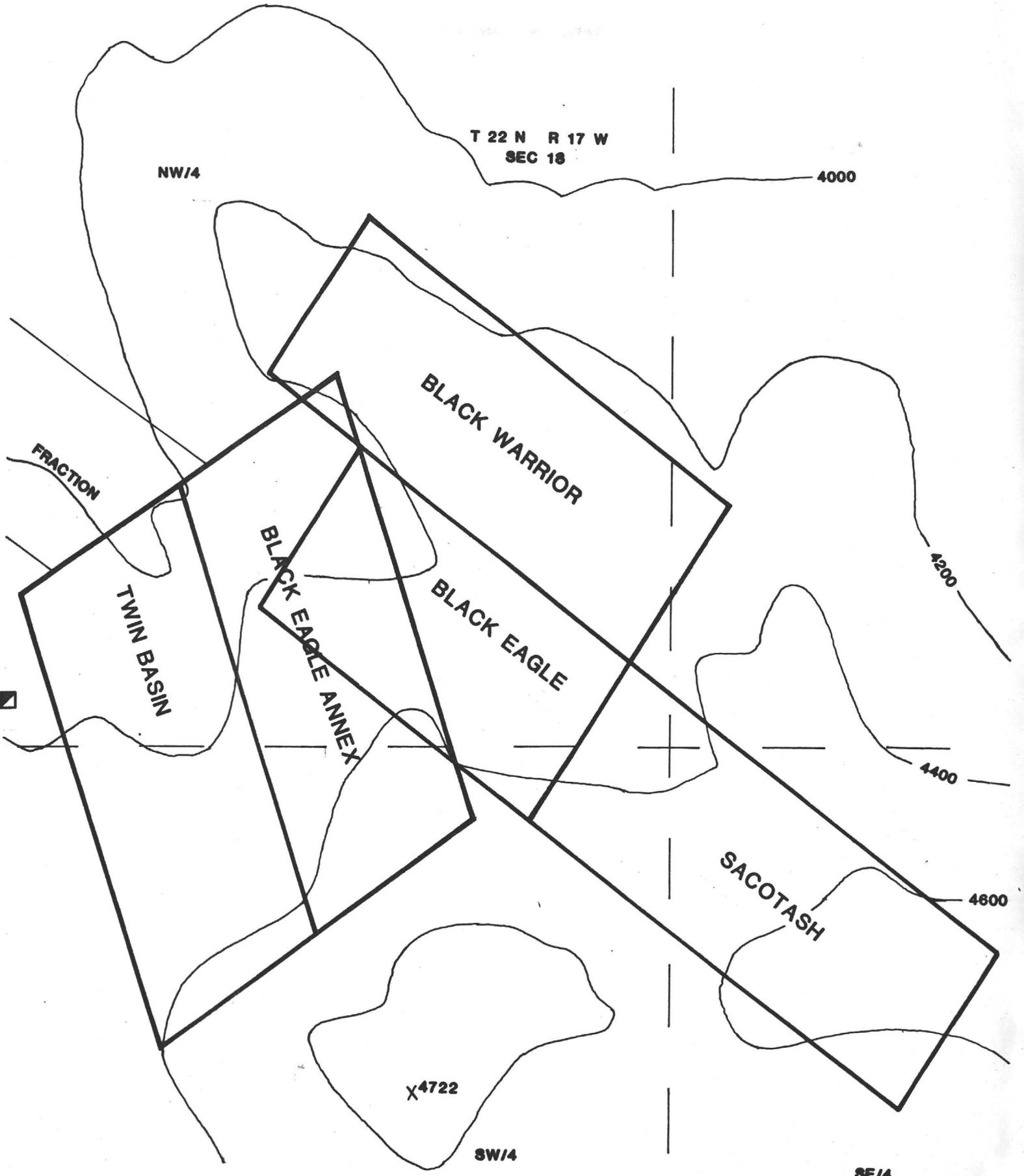
WCV:1k

Enclosure

# TWIN BASIN GROUP



# TWIN BASIN GROUP



T 22 N R 17 W  
SEC 18

NW/4

4000

FRACTION

TWIN BASIN

BLACK EAGLE ANNEX

BLACK WARRIOR

BLACK EAGLE

4200

4400

SACOTASH

4600

X 4722

SW/4

SE/4

SCALE: 1"=400'

Amount deposited \$75.00  
 Cost of O.W. & S. 58.00  
 Unearned Am't., \$17.00

Claim Located

Mineral Survey No. 3956

Lot No. ARIZONA Land District.

**PLAT**  
 OF THE CLAIM OF  
 Granberg Silver Mines Corporation

KNOWN AS THE  
 TWIN BASIN, BLACK EAGLE, BLACK EAGLE ANNEX,  
 BLACK WARRIOR, SACOTASH, and FRACTION lodes

IN Wallapai MINING DISTRICT,  
 Mohave COUNTY, Arizona

Containing an Area of \_\_\_\_\_ Acres.

Scale of 350 Feet to the inch.

Variation 15° 30' E.

SURVEYED Sept. 10 - Oct. 20 1924 BY

L. H. Foster

U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of  
 Granberg Silver Mines Corporation

known as the  
 TWIN BASIN, BLACK EAGLE, BLACK EAGLE ANNEX,  
 BLACK WARRIOR, SACOTASH, and FRACTION lodes

from which this plat has been made under my direction,  
 have been examined and approved, and are on file in this Office,  
 and I hereby certify that they furnish such an accurate descrip-  
 tion of said Mining Claim as will, if incorporated into a patent,  
 serve fully to identify the premises, and that such reference is  
 made therein to natural objects or permanent monuments as  
 will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has  
 been expended or improvements made upon said Mining Claims  
 by claimant or its grantors and that  
 said improvements consist of 7 shafts, 8 cuts,  
 1 tunnel and 2 drifts, total value \$7310.

that the location of said improvements is correctly shown  
 upon this plat, and that no portion of said labor or improve-  
 ments has been included in the estimate of expenditures  
 upon any other claim.

And I further certify that this is a correct plat of said Mining  
 Claim made in conformity with said original field notes of the  
 survey thereof, and the same is hereby approved.

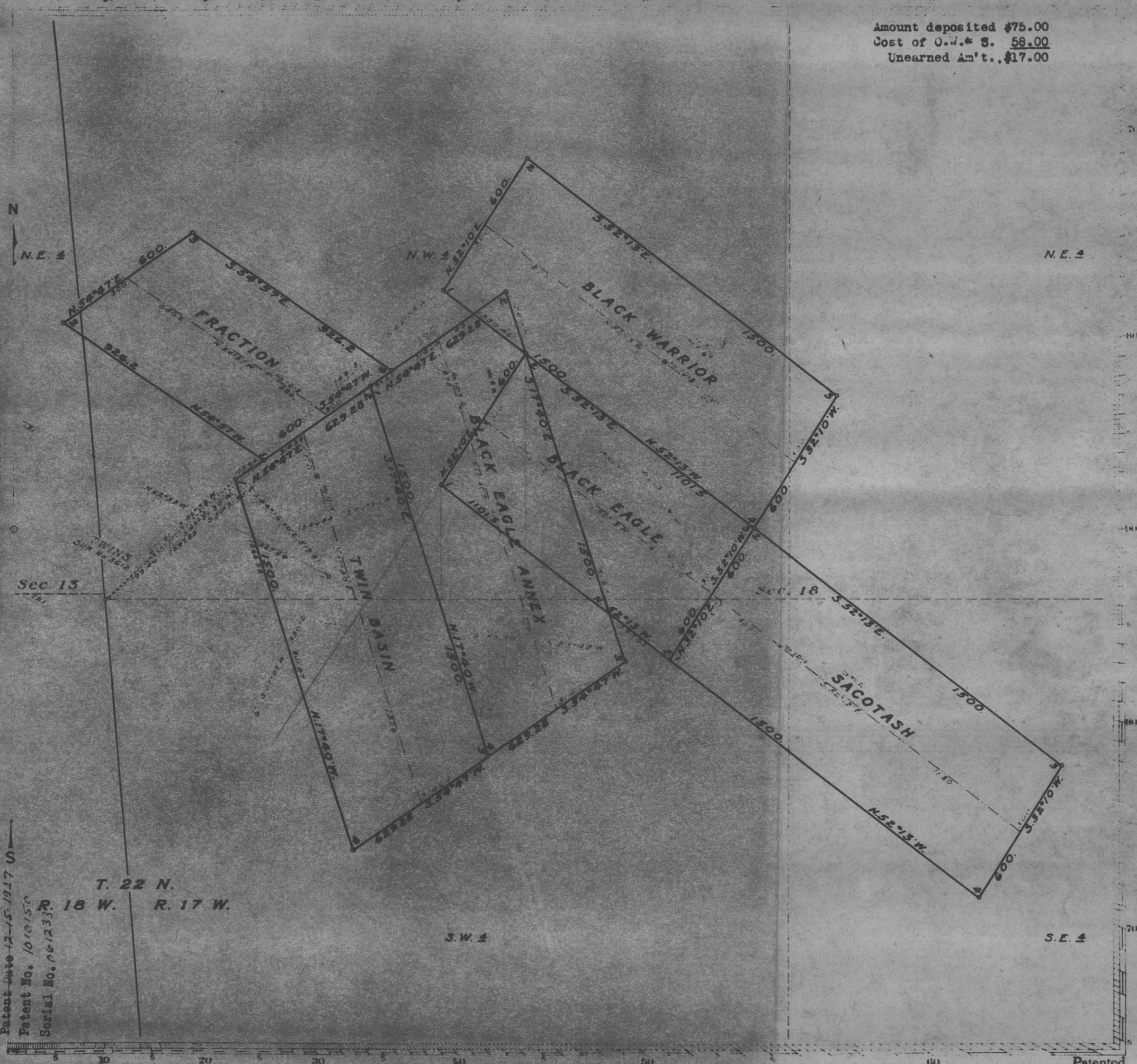
U.S. Surveyor General's Office.

*Charles M. Douglas*

Phoenix, Arizona,

U.S. Surveyor General for

April 21, 1925 ARIZONA.



Patent Date 12-15-1927  
 Patent No. 1010150  
 Serial No. 0612333

T. 22 N.  
 R. 18 W. R. 17 W.

Patented

PACIFIC  
REGIONAL  
OPERATIONS, INC.

P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147  
June 11, 1981

Mr. Arthur Quaintance and  
Ms. Louise Mary Taylor  
5027 Kingfisher  
Houston, Texas 77035

713-666-8000

Dear Mr. Quaintance and Ms. Taylor:

Pacific Regional Operations, Inc., would like to conduct a preliminary geological evaluation of your mining property in the Wallapai District, Mohave County, Arizona.

If this proposal is agreeable to you, please so indicate by signing the enclosed Affidavit of Ingress and Egress which enables our geological staff to enter the property for the preliminary evaluation. No further action will be initiated by Pacific Regional Operations, Inc., until we have received the executed Affidavit of Ingress and Egress.

If at the conclusion of our preliminary evaluation, we determine the possibility that commercial quantities of ore could be found on your property as a result of future intensified exploration, we may be interested in purchasing or leasing the property.

At that time, we would advise you of our intent to proceed, and could offer to purchase the property for as much as \$1,250.00 per acre or leasing the property for a period of three years. Rental payments on the lease basis would be \$50 per acre for the first year, \$200 per acre for the second year and \$500 per acre for the third year. The lease would also provide for a landowner royalty on all produced leased substances.

Should you have any questions or comments, please call collect or write to the above address.

Sincerely,



William C. Vanderwall  
Geologist

lpk

Enclosure

AFFADAVIT OF INGRESS AND EGRESS

I hereby grant PACIFIC REGIONAL OPERATIONS, INC., permission to ingress, egress and travel about the patented mining claims known as the Twin Basin, Black Eagle, and Black Eagle Annex,

at their sole risk, to collect samples of ore and country rock, to inspect old workings but in no event to remove more than 100 pounds of samples from the property.

Signed *A. C. Quantance* 6/17/81  
LAND OWNER (Agent)

ADDENDUM:

As per my conversation June 17, 1981, with Mr. William C. Vanderwall, Pacific Regional Operations, Inc. agrees as follows:

- To limit preliminary geological evaluation to 90 days
- To conduct ingress and egress at no cost to me
- To give notice upon completion of survey
- To present a preliminary report and assay map

*A. C. Quantance* 6/17/81

A. C. Quaintance  
5027 Kingfisher St.  
Houston, TX 77035



Pacific Regional Operations, Inc.  
P. O. Box 716  
Scottsdale, AZ 85252

# TWINN BASIN GROUP

T 22 N R 17 W  
SEC 18

NW/4

NE/4

FRACTION

TWINN BASIN

BLACK EAGLE ANNEX

BLACK EAGLE

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SCALE: 1"=400'

