



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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PROPERTY SURVEYS
MINE SAMPLING
MINE SURVEYS

ROBERT LENON, P. E.

Mining Engineer and Land Surveyor
Surface and Underground Surveying and Mapping
Dec. 24, 1964

PATENT SURVEYS
MINE REPORTS
CLAIMS STAKED

P. O. Box 525

Patagonia, Arizona

Dear Frank, et al:

Thanks for reporting in; sorry to hear of Charlie's dad having passed on, he must have been quite the gent himself.

I have the patent-dates on most of that land around the Uncle Sam and believe that all of it reserves the Mineral Rights to the U.S. as it wasn't patented until the 1930s. If before about 1915 the minerals generally went with the land; there are some exceptions, though; I have the mineral maps in the mining parts of the County, but do not have complete coverage of the County; that particular area is missing.

Sedgwick
That Green area (now owned by ~~Wiggles~~) was patented in 1904 & 1912, so that is probably the only exception to the above. I will return your sketch herewith; the blue (State land) probably still has its minerals in the custody of the State, even though the State has sold the surface rights.

All the Best for the Holidays; we will be in and out of Town about the time you are here, but give us a call, even after hours, as we have a home-extension....

Bob L.
encl: mineral status sketch (returned)

Affidavit of Labor Performed and Improvements Made

BOOK 355 PAGE 111

STATE OF ARIZONA, }
County of Santa Cruz } ss.

FRANK R. CHEATHAM being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, and resides at _____ in _____ County, State of Arizona, and is personally

acquainted with the mining claim known as JACK RABBIT, Red Rock Black Jack (Group of Mines) mining claim, situate in Patagonia

Mining District, County of Santa Cruz, State of Arizona, the location notice of which is recorded in the office of the County Recorder of said County, in Book 41-43 of Records of Mines, at page 50-51-52; that between the 7th day of JANUARY, A. D. 1964, and the 22th day of MARCH, A. D. 1964, at least

\$35000 dollars worth of work and improvements were done and performed upon said claim, not including the location work of said claim. Such work and improvements were made by and at the expense of FRANK R. CHEATHAM

owner of said claim for the purpose of complying with the laws of the United States pertaining to assessment of annual work, and FRANK R. CHEATHAM CHARLES CHEATHAM

were the men employed by said owner and who labored upon said claim, did said work and improvements, the same being as follows, to-wit:

Improvements of Road And Tunnel WORK

8891

STATE OF ARIZONA) SS.
County of Santa Cruz)

NO. _____

I hereby certify that the within instrument was filed and recorded at the request of

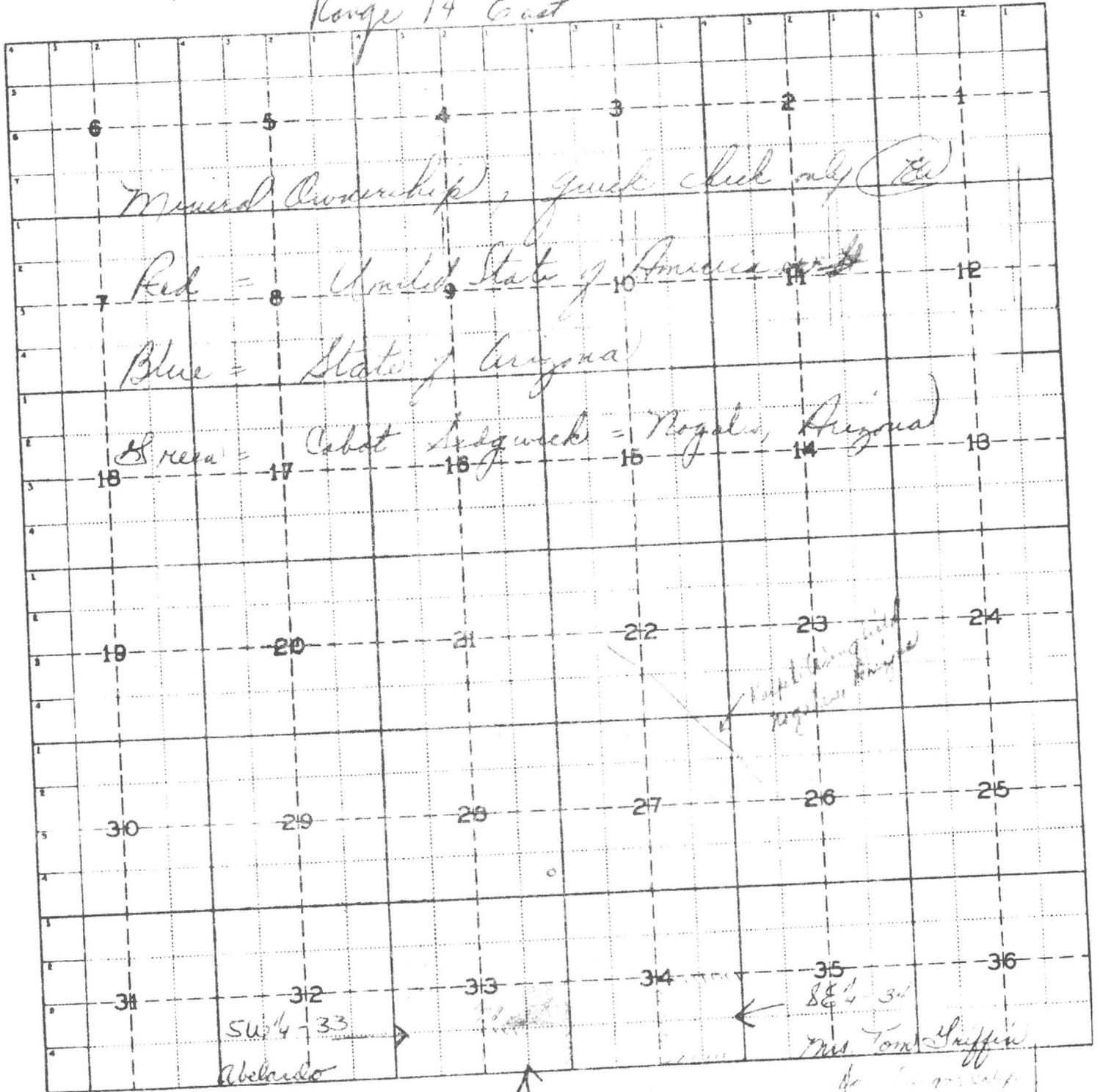
FRANK R. CHEATHAM Aug 22th A. D., 1964 at 8:31 A.M. DOCKET NO. 53 Page 111

Witness my hand and official seal the day and year aforesaid.

By Mary Lou Seery
Deputy County Recorder

G. ESPINOSA MORENO, County Recorder

Township 23 S.
Range 14 East



SECTION OF LAND CONTAINS ONE SQUARE MILE OR 640 ACRES

20 CHAINS 80 RODS		20 CHAINS 80 RODS		40 CHAINS 160 RODS	
W. 1/2 N.W. 1/4 80 ACRES		E. 1/2 N.W. 1/4 80 ACRES		S. 1/2 884-33 A.L.T.T. 5850-T. Tucson Arizona N.E. 1/4 160 ACRES	
1320 FEET		1320 FEET		2640 FEET	
N.W. 1/4 S.W. 1/4 40 ACRES		N.E. 1/4 S.W. 1/4 40 ACRES		N. 1/2 N.W. 1/4 S.E. 1/4 20 ACRES	
S.W. 1/4 S.W. 1/4 40 ACRES		S.E. 1/4 S.W. 1/4 40 ACRES		W. 1/2 N.E. 1/4 S.E. 1/4 20 ACS	
80 RODS		440 YARDS		E. 1/2 N.E. 1/4 S.E. 1/4 20 ACS	
				10 CHAINS 10 CHAINS	
				5 ACRES 5 ACRES	
				5 ACRES 5 ACRES	
				1 FURLONG 5 CHAINS 20 RODS	
				2 1/2 ACS 2 1/2 ACS	
				2 1/2 ACS 2 1/2 ACS	
				10 ACRES MAY BE SUBDIVIDED INTO ABOUT 80 LOTS OF 30' X 125' EA.	

No attempt made as to patented or unpatented mines or mining claims

- 1 LINK = 7.92 INCHES
- 1 ROD = 16 1/2 FEET.
- 5 1/2 YARDS = 25 LINKS.
- 1 CHAIN = 66 FEET = 4 RODS = 100 LINKS.
- 1 FURLONG = 660 FEET = 40 RODS.
- 1 MILE = 8 FURLONGS = 320 RODS = 80 CHAINS = 5280 FEET.
- 1 SQ. ROD = 272 1/4 SQ. FEET = 30 1/4 SQUARE YARDS.
- 1 ACRE = 43560 SQUARE FEET.
- 1 ACRE = 160 SQUARE RODS.
- 1 ACRE IS ABOUT 208 3/4 FEET SQUARE.
- 1 ACRE IS 8 RODS X 20 RODS (OR ANY TWO NUMBERS OF RODS WHOSE PRODUCT IS 160)

Affidavit of Labor Performed and Improvements Made

STATE OF ARIZONA, }
County of SANTA CRUZ } ss.

INDEXED
DOCK 045 PAGE 391

FRANK R. Cheatham being duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one years of age, and resides at Mogales in Santa Cruz County, State of Arizona, and is personally acquainted with the mining claim known as JACK RABBIT - Red Rock Black Jack (group of 3 claims) mining claim, situate in Patagonia Mining District, County of Santa Cruz, State of Arizona, the location notice of which is recorded in the office of the County Recorder of said County, in Book 43-41 of Records of Mines, at page 560-561-53; that between the 20th day of MAY, A. D. 1963, and the 1st day of July, A. D. 1963, at least \$35.00 dollars worth of work and improvements were done and performed upon said claim, not including the location work of said claim. Such work and improvements were made by and at the expense of FRANK R. Cheatham

owner of said claim for the purpose of complying with the laws of the United States pertaining to assessment of annual work, and FRANK R. Cheatham

were the men employed by said owner and who labored upon said claim, did said work and improvements, the same being as follows, to-wit:

DRIFT TUNNEL

STATE OF ARIZONA }
County of Santa Cruz }

NO. 2769

I hereby certify that the within instrument was filed and recorded at the request of Frank R. Cheatham on July 29 A. D., 1963 at 8:31 A.M. DOCKET NO. 45 Page 391.
Witness my hand and official seal the day and year aforesaid.

G. ESPINOSA MORENO, County Recorder

By Mary Lou Davis
Deputy County Recorder

Affidavit of Labor Performed and Improvements Made

MICROFILMED INDEXED
DOCK 062 PAGE 583

STATE OF ARIZONA,
County of Santa Cruz } ss.

FRANK R. Cheatham being duly sworn, deposes and

says that he is a citizen of the United States and more than twenty-one years of age, and resides at _____ in _____ County, State of Arizona, and is personally

acquainted with the mining claim known as JACK ROBBITT, Red Rock, Black Jack (group of 3 mines)

mining claim, situate in PATAGONIA Mining District, County of Santa Cruz, State of Arizona, the location notice of which

is recorded in the office of the County Recorder of said County, in Book 41-43 of Records of Mines, at page 560-561-53; that between the 1st day of FEBRUARY, A. D. 1965,

and the 30th day of MARCH A. D. 1965, at least \$325.00

_____ dollars worth of work and improvements were done and performed upon said claim, not including the location work of said claim. Such work and improvements were made by and at the expense of FRANK R. Cheatham

owner _____ of said claim for the purpose of complying with the laws of the United States pertaining to assessment of annual work, and CHARLES Cheatham, James Cheatham

were the men employed by said owner _____ and who labored upon said claim, did said work and improvements, the same being as follows, to-wit:

IMPROVEMENT OF ROAD WORK

STATE OF ARIZONA, County of Santa Cruz, ss.
I do hereby certify that the within instrument was filed and recorded at the request of Frank R. Cheatham
on August 29 A. D. 1965 at 10:29 o'clock A. M. Docket No. _____ Page 583
Records of Santa Cruz County, Arizona.
WITNESS my hand and official seal this day and year first above written.
G. ESPINOSA MORENO, County Recorder.
By Mary Ann [Signature], Deputy

PROSPECT EVALUATION SURVEY
UNCLE SAM MINE AREA
SANTA CRUZ COUNTY, ARIZONA

For
MR. HARRY P. MATHIESON

December 1965

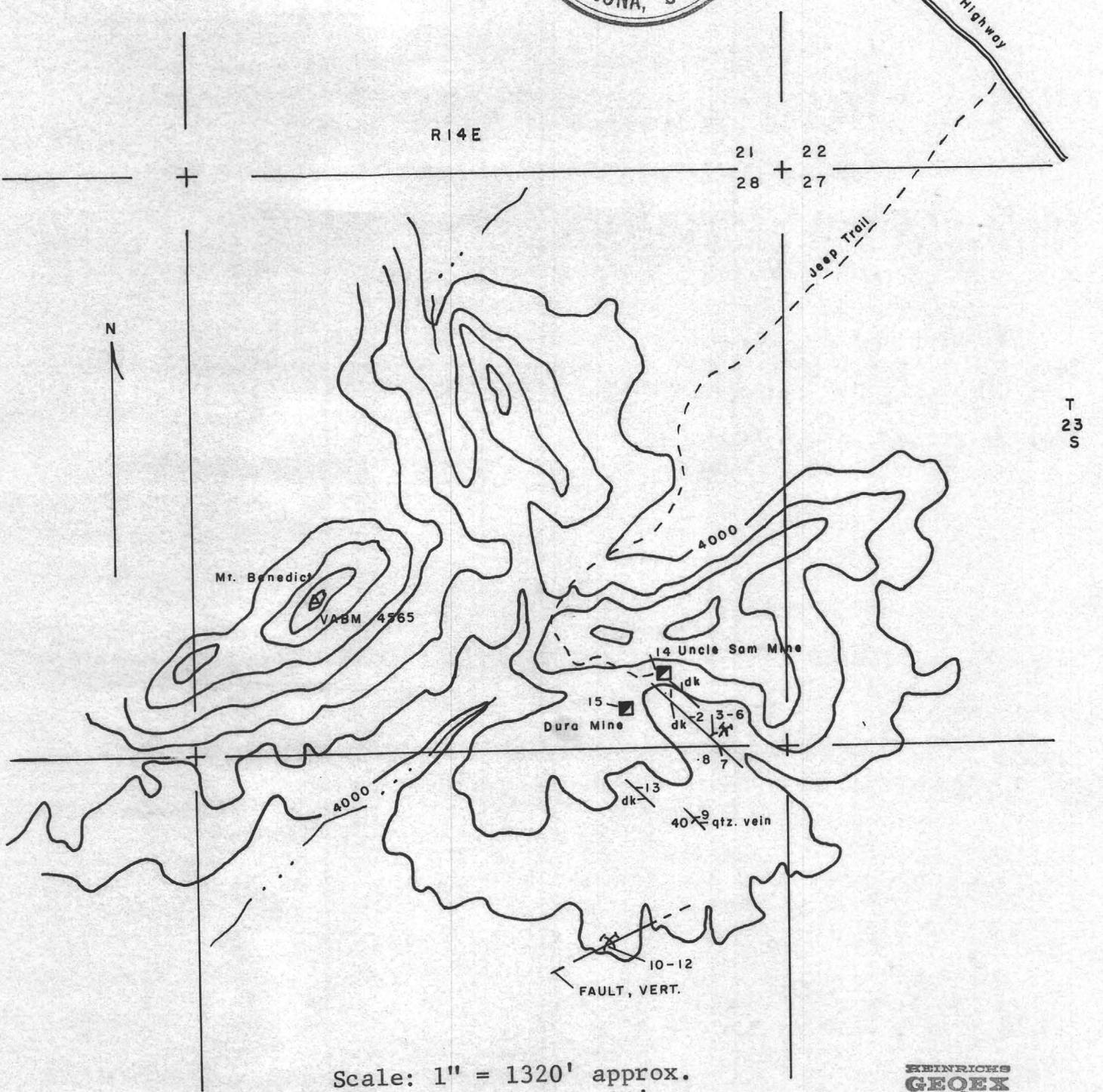
by
HEINRICHS GEOEXPLORATION COMPANY
P. O. Box 5671 Tucson, Arizona

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SAMPLE LOCATION MAP

UNCLE SAM MINE AREA
SANTA CRUZ COUNTY, ARIZONA
for
Harry Mathieson



Scale: 1" = 1320' approx.
Contour Interval: 80'



INTRODUCTION

At the request of Mr. Harry P. Mathieson, Fort Lauderdale, Florida, Heinrichs Geoexploration Company conducted and completed a Prospect Evaluation Survey of the Uncle Sam Mine Area, Santa Cruz County, Arizona, on December 8, 1965.

A preliminary geologic reconnaissance of the Prospect property was made, during which the claim boundaries and one discovery pit was pointed out by Mr. Frank Cheatham. In conjunction with the reconnaissance, fifteen random grab rock chip samples were collected and submitted to Hawley and Hawley for assay. Each sample contained approximately fifteen pounds of rock.

The assay data is presented on sample description sheets, each sample located individually as to location taken, description of rock type, and assay results. Sample location map is also included.

Records at the Bureau of Land Management indicate that the area is open to location of unpatented mining claims subsequent to ditches and canals (Bureau of Land Management entry 1056189).

Sampling, interpretation and report was by Harvey Durand, Geologist for Heinrichs Geoexploration Company.

CONCLUSIONS, RECOMMENDATIONS AND INTERPRETATION

The assay results ranged from trace to 1.28 ozs. gold; trace to 0.80 ozs silver; 0.24% to 1.56% lead and .03% to .18% copper. The highest gold values (\$44.80/ton) were recorded at the Cheatham pit, in the high grade dump material (sample No. 4). The gold assay from the in place quartz vein (sample No. 5) ran \$4.20/ton and the adjacent wall rock, .35¢/ton. The data suggests that the gold values are associated with the quartz veining and are most favorable where sulfides are present.

If this is the case, then a limited potential exists (as far as any volume of gold bearing rock being present) because the quartz veins are limited in size and seem to be limited to the dikes. According to F. C. Schrader in MINERAL DEPOSITS OF THE SANTA RITA AND PATAGONIA MOUNTAINS, ARIZONA, U.S.G.S. Bulletin 582, 1915, the production of both Dura and Uncle Sam Mines was limited to a vein which varied in width from four inches to two feet. Total production from the area was approximately \$12,000.00.

Samples taken at the other locations, in general ran low in grade. The highest values again being associated with quartz veining. The exception to this was sample No. 10 which was collected from the dump material at the N 65°E fault prospect workings.

The limited sulfide concentrations, size and depth relation of the quartz veins, and lack of magnetic mineral association are not conducive to magnetic geophysical methods. Electrical methods might help indicate the extent and distribution of some of the larger quartz veins but the application would be marginal. The granite in the Uncle Sam Mine proved to be weak in sulfides and no other potential economic correlation related to induced polarization work is indicated.

Based on the low assays and limited size and continuity possibilities of the quartz veins, further work on the property would appear to be extremely speculative and with high probability of submarginal or at best, marginal yield.

GEOLOGY

The Uncle Sam Mine Prospect is a granitic area which is cut by numerous northwest trending volcanic dikes. These dikes vary in thickness from several feet to greater than twenty feet and extend along strike for several hundreds of yards.

Associated with the dikes are conformable striking quartz veins, which carry the dominant mineralization of the area. Mineralization which is sporadic and in weak concentrations is confined to the quartz veins and the immediate adjacent rock. The granite away from the dikes is not mineralized, excepting some samples obtained from the Uncle Sam Mine dump, which contained a few disseminated specks of galena. Minerals found are pyrite, chalcopyrite, galena, gold, silver and copper carbonates.

Some mineralization was noted in a N 65°E striking fault located in the southeastern portion of the area. This fault may be a part of a northeast fault system, since the Uncle Sam and Dura Mine are believed to lie on a common N 75°E fault. (see reference to F. C. Schrader).

ASSAY RESULTS AND SAMPLE DESCRIPTIONS

Sample No. 1 Assay #2651

Material collected consisted of granite, white bulk quartz and altered volcanic rock (andesite ?) No visible mineralization was observed. Sampled randomly over 10 foot area.

<u>ASSAY</u>	<u>Value</u>	
Gold - .01 oz	.35¢	
Silver - .61 oz.	.78¢	
Lead - .41%	\$1.31	
Copper - .04%	.28¢	Total Value \$2.72/ton

Sample No. 2 Assay #2652

Taken in N 45°W trending andesite dike. Dike material and vein quartz was sampled. No visible mineralization observed. Sampled randomly over a 10 to 20 ft. dike.

<u>Assay</u>	<u>Value</u>	
Gold - Trace	---	
Silver - .06 ozs.	.07¢	
Lead - .36%	\$1.15	
Copper - .05%	.36¢	Total Value \$1.58/ton

Sample No. 3 Assay #2653

Collected at Mr. Cheatham's prospect pit, approximately 300 ft. to the southeast from sample location #2. This sample consisted of the dike rock only, no quartz. Sampled randomly around pit area.

<u>Assay</u>	<u>Value</u>	
Gold - trace	-	
Silver - .20 ozs	.25¢	
Lead - .24%	.76¢	
Copper - .07%	.50¢	Total Value \$1.51/ton

Sample No. 4 Assay #2654

Collected at Mr. Cheatham's prospect pit, from the high grade dump material. Sample consisted of white vein quartz containing minor amounts of pyrite and galena.

<u>Assay</u>	<u>Value</u>	
Gold - 1.28 ozs.	\$44.80	
Silver - .80 ozs.	\$ 1.03	
Lead - 1.15%	\$ 3.68	
Copper - .08%	.57	Total value \$50.08/ton

Sample No. 5 Assay #2655

Obtained from a quartz vein striking N 35°W, dipping 35°S in the Cheatham Pit. The quartz vein varies from 3 - 6" in width, length could not be determined because of cover. Sampled randomly along vein (five feet).

<u>Assay</u>	<u>Value</u>		
Gold - 0.12 ozs	\$4.20		
Silver - 0.12 ozs	.15		
Lead - 0.69%	2.20		
Copper - 0.14%	1.00	Total value	\$7.55/ton

Sample No. 6 Assay #2656

Collected at the Cheatham pit from the wall rock adjacent to the quartz vein. Rock types consisted of dike rock and granite. Sampled randomly on both sides of the vein.

<u>Assay</u>	<u>Value</u>		
Gold - 0.01 ozs.	.35		
Silver - 0.13 ozs	.16		
Lead - 0.46%	1.47		
Copper - 0.06%	.43	Total value	\$2.41/ton

Sample No. 7 Assay #2657

Collected approximately 200 ft. southeast of the Cheatham pit on the Sample #2 dike. Material taken consisted of dike rock and white bulk quartz. No mineralization was observed. Random grab sample, 10 feet along dike.

<u>Assay</u>	<u>Value</u>		
Gold - 0.07 ozs	\$2.45		
Silver - 0.12 ozs	.15		
Lead - 0.57%	1.82		
Copper - 0.03%	.21	Total value	\$4.63/ton

Sample No. 8 Assay #2658

Taken from old prospect pit in granite. Northwest quartz veining present. Granite and quartz both sampled. Minor amounts of pyrite observed. Random grab sample for ten feet along pit face.

<u>Assay</u>	<u>Value</u>		
Gold - 0.15 ozs	\$5.25		
Silver - 0.37 ozs	.47		
Lead - 0.54%	1.72		
Copper - 0.06%	.43	Total value	\$7.87/ton

Sample No. 9 Assay #2659

Material collected from a quartz vein in granite, striking N 40°W, dipping 40°S. The vein measures from eight inches to several feet in thickness, some pyrite observed. Random grab sample, ten feet along vein.

<u>Assay</u>	<u>Value</u>		
Gold - trace	--		
Silver - trace	--		
Lead - 0.82%	2.62		
Copper - 0.09%	.64	Total value	\$3.26/ton

Sample No. 10 Assay #2663

Consists of dump material from an old prospect working located on a N 65°E striking fault. Rock type is granite. Mineralization present is pyrite, chalcopyrite and copper carbonates. All in minor amounts. Random grab sample over dump area.

<u>Assay</u>	<u>Value</u>		
Gold - 0.16 ozs	\$5.60		
Silver - 0.44 pzs	.56		
Lead - 0.64%	2.04		
Copper - 0.14%	1.00	Total value	\$9.20/ton

Sample No. 11 Assay 2667

Taken along pit face in central portion of workings. Rock type is granite containing minor amounts of pyrite and copper carbonates. Random chip sample fifteen feet along face.

<u>Assay</u>	<u>Value</u>		
Gold - 0.01 ozs	.35		
Silver - 0.19 ozs	.24		
Lead - 0.38%	1.21		
Copper - 0.03%	.21	Total value	\$2.01/ton

Sample No. 12 Assay #2662

Description same as No. 11 except sample taken from southwest end of workings.

<u>Assay</u>	<u>Value</u>		
Gold - 0.03 ozs	\$1.05		
Silver - 0.15 ozs	.19		
Lead - 0.64%	2.04		
Copper - 0.07%	.50	Total value	\$3.78/ton

Sample No. 13 Assay #2664

Material collected from northwest trending quartz vein cutting N 45°W volcanic dike. No sulfide mineralization present. Random grab sample ten feet along vein.

<u>Assay</u>	<u>Value</u>	
Gold - 0.01 ozs	.35	
Silver - 0.09 ozs	.11	
Lead - 0.28%	.89	
Copper - 0.18%	1.29	Total value \$2.64/ton

Sample No. 14 Assay #2665

Collected from dump material from Uncle Sam Mine. Rock type is granite with traces of pyrite and galena. Random grab sample over dump area.

<u>Assay</u>	<u>Value</u>	
Gold - trace	--	
Silver - 0.06	.07	
Lead - 0.46%	1.47	
Copper - 0.03%	.21	Total value \$1.75/ton

Sample No. 15 Assay #2666

Collected from dump material from Dura Mine. Rock type sampled is bulk quartz. Random grab sample over dump area.

<u>Assay</u>	<u>Value</u>	
Gold - 0.07 ozs	\$2.45	
Silver - 0.79 ozs	1.01	
Lead - 1.56%	4.99	
Copper - 0.09%	.64	Total value \$9.09/ton

NOTE: Metal prices used are quoted from ENGINEERING MINING JOURNAL, November 1965.

Gold - \$35.00/oz.
Silver - \$1.29/oz.
Lead - .16¢/pound
Copper - .36¢/pound

Respectfully submitted,
HEINRICHS GEOEXPLORATION COMPANY

Harvey Durand
Harvey Durand, Geologist

December 30, 1965
P. O. Box 5671
Tucson, Arizona

Approved:

- 6 -

Walter E. Heinrichs, Jr.
Walter E. Heinrichs, Jr.
HEINRICHS GEOEXPLORATION COMPANY
REGISTERED PROFESSIONAL ENGINEER (MINING)
CERTIFICATE EXPIRES
WALTER E. HEINRICHS, JR.
TUCSON, ARIZONA, U.S.A.



Registered Assayers

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:

Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Ox. Copper %	Zinc %	Mo. %		
Uncle Sam Prospect # 2651	0.01	0.61	0.41	0.04					
U.S.M. 2652	trace	0.06	0.36	0.05					
2653	trace	0.20	0.24	0.07					
2654	1.28	0.80	1.15	0.08					
2655	0.12	0.12	0.69	0.14					
2656	0.01	0.13	0.46	0.06					
2657	0.07	0.12	0.57	0.03					
2659	trace	trace	0.82	0.09					
2662	0.03	0.15	0.64	0.07					
2663	0.16	0.44	0.64	0.14					
2664	0.01	0.09	0.28	0.18					
2665	trace	0.06	0.46	0.03					
2666	0.07	0.79	1.56	0.09					
2667	0.01	0.19	0.38	0.03					
2658	0.15	0.37	0.54	0.06					

Heinrichs
GEOEX
GEOLOGICAL ENGINEERS
TUCSON, ARIZONA



DEC 24 1965

BOX 5671 TUCSON, ARIZONA 85703
Phone: (AREA 602) 623-0578

Matheson

CC: Heinrichs Geoexploration Company
ADD: 806 West Grant Road
CITY: Tucson, Arizona
ADD:
CITY:

REMARKS:

"Special"

Analysis Cert. By

Shrews

Preparation \$ 11.25

Analysis \$ 112.50

ACC: HEINRICHS GEOEXPLORATION CO.

Date Spl. Received 12/9/65

Date Compl. 12/23/65

TUC329215

\$ 123.75

NOTICE OF LOCATION

LODE CLAIM

DOCK 043 PAGE 561

NOTICE IS HEREBY GIVEN, that the Red Rock
 LODE MINING CLAIM was located by FRANK R. Cheatham
 who has ~~been~~ ^{is a Citizen of the United States} ~~the intention of locating~~
 on this 10th day of MAY, 1963, for
 mining purposes. Said claim is 1500 feet in length along
 the vein or deposit of mineral-bearing rock in place, and
 300 feet in width on each side of the center of said vein,
 or deposit, from end to end of said claim. The general
 course of this claim is North and South
 and is situated in the Patagonia Mining
 District, SANTA CRUZ County, Arizona, about two
 miles in a southern direction from River Road
 embracing Jack Rabbit claim on the West side.

THIS CLAIM RUNS from the discovery monument, or stake,
 on which the notice is posted, 530 feet in a
Southernly direction to the South center
 end monument, or stake, and 970 feet in a
Northernly direction from the aforesaid location
 monument, or stake, to the North center end
 monument, or stake, and is also marked by two corner mon-
 uments, or stakes, at each end of said claim, one on each side
 of, and 300 feet from, the center end monuments, or stakes, mak-
 ing the claim in the form of a parallelogram.

Frank R. Cheatham

Witness

Locator

STATE OF ARIZONA } ss.
 County of

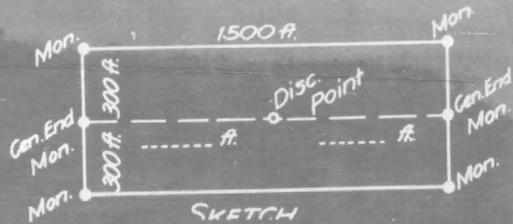
I, Frank R. Cheatham, hereby certify that I am a locator
 of the within named claim and that the location work was performed
 thereon within 90 days from the date of location, to the full amount and
 in the manner required by law.

WITNESS my hand and seal this 10 day of MAY, 1963

This claim is a re-location of an (SEAL) abandoned mining claim known as
 the Red Rock Patagonia Jack Rabbit Claim on the West side of River Road
 the Patagonia Jack Rabbit Claim on the West side of River Road

* Cross out if not applicable.

Prepared and sold by:
 Lenon Engineering Offices
 Patagonia-Nogales, Ariz.



STATE OF ARIZONA) ss.
 County of Santa Cruz)

NO. 1671

I hereby certify that the within instrument was filed and recorded at the request of

Frank R. Cheatham, May 17, A. D., 1963 at 10:19 A.M. DOCK NO: 43 Page 561

Witness my hand and official seal the day and year aforesaid.

G. Espinosa Moreno

G. ESPINOSA MORENO, County Recorder

By G. Espinosa Moreno Deputy County Recorder

NOTICE OF LOCATION

LODE CLAIM

INDEXED

DOCK 041 PAGE 53

NOTICE IS HEREBY GIVEN, that the JACK RABBIT
 LODGE MINING CLAIM was located by
 FRANK R. CHEATHAM who ~~has declared his intention of becoming~~
 is a Citizen of the United States
 on this 1st day of JANUARY, 1963, for
 mining purposes. Said claim is 1500 feet in length along
 the vein or deposit of mineral-bearing rock in place, and
 300 feet in width on each side of the center of said vein,
 or deposit, from end to end of said claim. The general
 course of this claim is NORTH and SOUTH
 and is situated in the PATAGONIA Mining
 District, SANTA CRUZ County, Arizona, about TWO
 miles in a SOUTHERN direction from RIVER ROAD

THIS CLAIM RUNS from the discovery monument, or stake,
 on which the notice is posted, 460 feet in a
 SOUTHERNLY direction to the south center
 end monument, or stake, and 1040 feet in a
 NORTHERNLY direction from the aforesaid location
 monument, or stake, to the NORTH center end
 monument, or stake, and is also marked by two corner mon-
 uments, or stakes, at each end of said claim, one on each side
 of, and 300 feet from, the center end monuments, or stakes, mak-
 ing the claim in the form of a parallelogram.

Frank R. Cheatham

Witness

Locator

STATE OF ARIZONA }
 County of } SS.

I, Frank R. Cheatham, hereby certify that I am a locator
 of the within named claim and that the location work was performed
 thereon within 90 days from the date of location, to the full amount and
 in the manner required by law.

WITNESS my hand and seal this _____ day of _____, 19____

This claim is a re-location of an (SEAL)
 abandoned mining claim known as _____

Locator

1500 ft. Mon

STATE OF ARIZONA)
 County of Santa Cruz) SS.

NO. 5

I hereby certify that the within instrument was filed and recorded at the request of
Frank R. Cheatham on January 31, 1962, at 8:31 A.M. DOCKET NO. 41 Page 53.

Witness my hand and official seal the day and year aforesaid.

G. ESPINOSA MORENO, County Recorder

By Mary Lou Lutz
 Deputy County Recorder

Area Considered - 3 claims

Geochem sample spacing 200 feet

32 stations/claim; 3 claims = 96 stations

Additional stations outside claim area = 50 stations approx.

Total stations = 146

Time to collect samples: 40 samples/day approx

$$\frac{146 \text{ samples}}{40 \text{ samples/day}} = 3\frac{1}{2} \text{ days approx}$$

not including travel

Check Blanton & Cole for ~~aerial~~ photos

days
3-5 mapping

Company

Location

Date

Description:

Near Uncle Sam Mine:

Granite, QTZ & altered Vol.

AU

①

✓

Sample N^o

2651

Company

Location # 2

Date Dec 8, 65

Description:

QTZ vein & ^{vol} Dike N 45° W trend

Sample N°  **2652**

Company

Location #3 USM

Date Dec 8, 65

Description:

Like same as #2, prospect pits here.
This sample is taken in OK rock
only. N35°W mine (Sam) approx 500'

Sample No

2653 ✓

Company

Location

4

Date

Dec 8, 65

Description:

Qty material, high grade, can see
py & some galena. Came from prospect
pit.

Sample

Nº

✓
2654

Company

Location

USM, prospect pit

Date

Dec 8, 65

Description:

#5

Qtz vein, $N35^{\circ}W$, dip $35^{\circ}S$. This
is in the pit. Vein 3-6" wide
cutting ~~granite~~ granite. Some DK
~~rock~~ rock present

Sample

N^o

2655

Company

Location

USM area

Date

Dec 8 65

Description:

#6

Wall rock adjacent to Qtz vein.
No vein mat. In prospect pit.

Sample

Nº

✓
2656

Company

Location

USN

Date

Dec 8, 65

Description:

#7

Qtz in dike, dike R₄ also

[N 60° W, appears to run into
Prop pit.

Sample

Nº

✓
2657

Company

Location *USM*

Date *Dec 8, 65*

Description: *#8 con*

*qtz veining in granite, pit. Both
rock taken*

Sample N° 2658 ✓

Company

Location

Date Dec 8

Description: 9

atz vein mat. N40°W, 485

Sample N° 2659 ✓

Company

Location #10 USM

Date Dec 8, 65

Description:

Broken zone in Granite. trend
N 65° E vert. some py, cpy, Mn
copper.

2661 also

Sample No 2660

Company

Location

Date

Dec 8, 65

Description:

USM

#12

ln pit - broken zone

Sample N°

✓
2662

Company

Location

USM

Date

Dec 8, 65

Description:

#10

Dump at Broken zone

Sample N° *✓* **2663**

Company

Location

VSM

Date

Dec 8, 65

Description:

#13

ATZ along dike

Sample N°

2664 ✓

Company

Location

uncl sam mine

Date

Dec 8, 65

Description:

14

Ramp mat, Granite

Sample N°

✓
2665

Company

Location

~~under *[unclear]* mine~~

Date

Dec 8, 63

Description:

Quartz mine

15

*Dump mat. ~~Quartz~~
Qtz mat*

Sample

Nº

2666 ✓

Company

Location

#11 USM

Date

Dec 8, 65

Description:

Broken zone in Granite. Trend
N65° E Vert, some py, opy,
thin copper.

Sample N^o 2667 ✓



HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD, TUCSON, ARIZONA, 85703. P.O. BOX 5671. PHONE: (AREA CODE 602) 623-0578

December 7, 1965

Mr. Harry P. Mathieson
3042 North Federal Highway
Fort Lauderdale, Florida

Re: Preliminary Mining Examination and Geochem
Survey, Uncle Sam Mine Area Santa Cruz County,
Arizona. Jack Rabbit, Black Joe, Red Rock
unpatented mining claims.

Dear Mr. Mathieson:

As discussed with Mr. Fortman December 2, 1965 and with you in my office on December 7, 1965, it is our understanding that Heinrichs Geoexploration Company will furnish you one experienced geologist for an initial period of two to three days for the following assignment:

1. Determine claim status i.e. all U. S. and state of Arizona mining laws and regulations have been complied with, such as established claim corners, location pits dug, land open to location and etc.
2. Determine extent and kind of mineralization if any.
3. Conduct a geochem survey run for Cu, Pb, Zn, Ag determinations.

Summary letter report of our preliminary findings will be furnished.
Our charges are as follows:

Services

One man day	\$125.00
Interpretation, compilation, and drafting	100.00 staff day
Conference consultation	15.00 / hr.
Geochem analysis charges as enclosed	

Expenses

Room and board at our cost
Reproductions, maps and communications at our cost
Vehicles charged at \$10.00/ day and \$0.10/ mile

You will have or provide permission, and or be liable for all damages and incident expenses connected with trespass where our personnel are asked to work

December 7, 1965

by you. If the project should exceed present plans, billings will be every two weeks, and charges are as enclosed. If any favorable indications warrant further claims, you do request Geoex locate these claims to protect your existing land position.

An advance of \$300.00 has been received this date and the balance will be due upon completion of the preliminary examination and your receipt of our letter report.

Please indicate your understanding and agreement to the foregoing by signing and dating in the space provided and returning the enclosed copy to our Tucson office.

If you have any questions, please let us know.

Very truly yours,

HEINRICHS GEOEXPLORATION COMPANY

E. Grover Heinrichs
Vice President

APPROVED _____

DATE _____

EGH:jc

Enclosures: Geochem charges
Standard charges

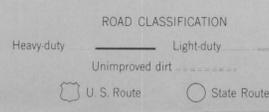


Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography from aerial photographs by ER-55 plotter
Aerial photographs taken 1955-1956. Field check 1958
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Red tint indicates areas in which only
landmark buildings are shown
Dashed land lines indicate approximate locations
Unchecked elevations are shown in brown



CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

SCALE 1:48,000



NOGALES, ARIZ.
N3115-W11045/15

1958

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 2, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Calabasas, Ariz.
Ft. Huachuca Project