



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

12/24/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: STARLIGHT

ALTERNATE NAMES:

PATENTED CLAIMS MS 2372
TRIBULLION M AND S CO.
WRIGHT CLAIMS
ARIZONA CLAIMS
WILL RAYN GROUP

GRAHAM COUNTY MILS NUMBER: 44B

LOCATION: TOWNSHIP 4 S RANGE 19 E SECTION 11 QUARTER SE
LATITUDE: N 33DEG 05MIN 32SEC LONGITUDE: W 110DEG 21MIN 49SEC
TOPO MAP NAME: SAN CARLOS RESERVOIR - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

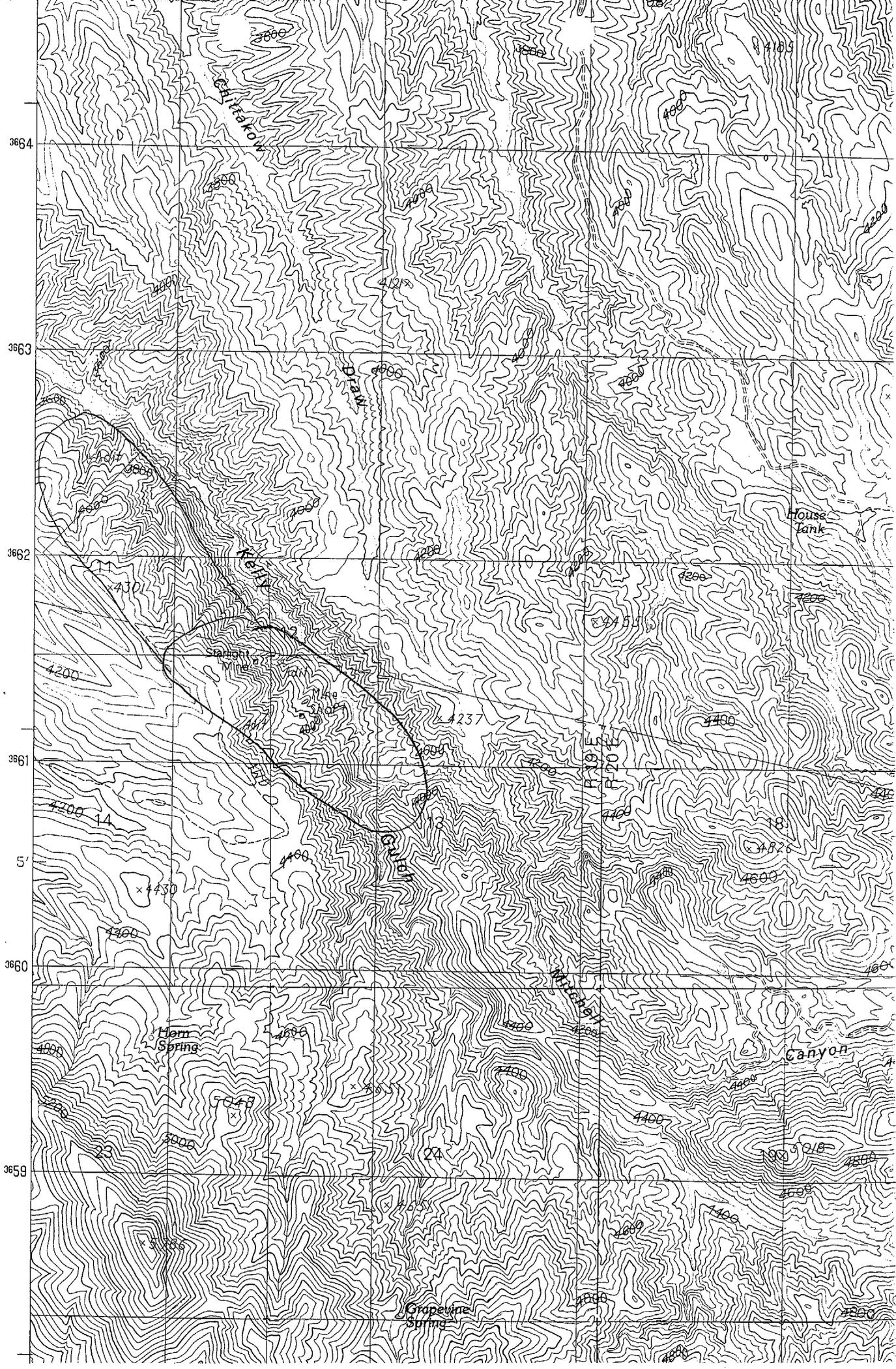
COPPER SULFIDE
LEAD SULFIDE
SILVER
GOLD
ZINC
ANTIMONY

BIBLIOGRAPHY:

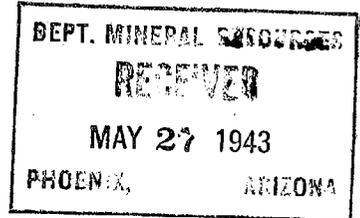
ROSS, CLYDE P., USGS BULL. 763, 1925, P.113-14
ADMMR STARLIGHT FILE
BLM MINING DISTRICT SHEET 745
ELSING & HEINEMAN AZ METAL PRODUCTION, AZBM
BULL. 140, 1936, P. 93
ADMMR U FILE
STEVENS, N.J., THE COPPER HANDBOOK, VOL. VI,
1906, P. 984

MT
TURNBULL
7.5

T43
R19E
Sec 11, 12,
13, 14



651 N. New Hampshire
Los Angeles, Calif.
May 26, 1943



J.S. Coupal
413 Home Blders Bldg.
Phoenix, Arizona

Dear Mr. Coupal:

I have just received your letter of May 24th. Your information and my information does not check in some very important respects regarding the Starlight Mine of Graham County, Arizona.

I do know that Mr. Friederichs did get a \$ 5,000.00 R.F.C. loan to reopen the property and he did apparently catch up one cave in in the 1900 ft. lower tunnel about 475 ft. in. My information is that upon finding another cave about 125 ft. further in, he became discouraged upon the belief that the \$ 5,000.00 loaned would be insufficient to reopen the property and he called in the R.F.C. engineer and the loan was canceled.

I have affidavits from three men who worked in the mine years ago who state that the first ore encountered in this tunnel was about 1,000 ft. in. So up to date this work by Friederichs proves nothing. Surface outcroppings would confirm this.

I personally went into some old workings on the Starlight claim (this is up on the hill) and took a sample which assayed \$ 12.60 gold, \$ 5.67 silver, 3.2% copper, and 56.44% lead. It was a hand sample but was not picked. I also took a picked sample from two open cuts on the Starlight claim which assayed \$ 14.70 gold, \$ 4.48 silver, 5.75% copper, and 29.78% lead.

I have the smelter returns on 82 tons of ore shipped from this claim in 1905 in three lots the poorest of which assayed .30 oz gold, 6.0 oz. silver, 2% copper, and 52 % lead.

I have talked with Mr. Friederichs but was unable to get much information out of him. Mention of the Starlight mine seems to have a peculiar effect upon him, but I am quite sure he never climbed the hill to inspect these upper workings in which ore is exposed.

If, as your letter indicates, your department does assist mine owners in obtaining a R.F.C. loan, I think if you check with Nebaker personally in the light of my information, that you will re-consider your decision.

Very truly yours.

Chas. M. Bryant.

OHP

November 10, 1944

Mr. William F. Paine
Hilton Hotel
El Paso, Texas

Dear Mr. Paine:

Just received a letter from Miss Grace Sparkes of Prescott informing me that you are wishing information on the barite property of which I spoke to you some few days past.

Mr. Chief Harrison, the owner of the Starlight group of claims in which this barite vein was found, was in the office this morning and I asked him concerning the chances of getting to this vein of barite in the tunnel. He and three other men were down at the property about two weeks ago and they were up to the tunnel and found said tunnel to be caved in and it would be impossible to get a sample of barite until this cave had been caught up, which may require considerable time. Mr. Harrison informed me that the barite vein was 4 to 5 feet thick and assayed 99% pure.

This property is off the main highway six miles and approximately 16 miles to the nearest railroad loading station and for that reason, coupled along with the fact that the tunnel is caved full at this time I would assume that you and Mr. Rawls would not be interested in making an investigation.

However, should Mr. Rawls like to investigate the surface showings where I know he will find an outcrop of the barite vein, which not only includes barite but also contains lead, he can contact Mr. Chief Harrison who lives here in Phoenix, address - 611 East Roosevelt. I know Mr. Harrison will be very pleased to furnish all information he has pertaining to this property and would be glad to cooperate with somebody in developing same.

This is all the information I have to offer at this particular time.

Yours very truly,

A. C. Nebeker
Field Engineer

ACN:LP

CC: Miss Grace Sparkes

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
Fairgrounds Building, Phoenix
PHOENIX, ARIZONA

REASON FOR RETURN
Unclaimed
Insufficient address
No such street in state
Do not return in this envelope
POSTAGE DUE 4 CENTS

RETURNED TO WRITER

Mr. Ed Harrison
Cactus,
Arizona

Stanley M. ...
May 27, 1943

Mr. Charles M. Bryant
651 North New Hampshire
Los Angeles, California

Dear Mr. Bryant:

Thank you for your letter of May 26.

Evidently the information we have on hand does not check with the information you have. In view of the fact, however, an examination was made by RFC engineers and I personally talked with the engineer who made it and then checked with Mr. A. C. Nabeker, who at the time was working for this Department but who had made the report a number of years prior to his being associated with the Department.

Unless some very definite information can be supplied and presented by you, I believe you will have difficulty getting a loan. I do not wish to discourage your getting this information together and we will be glad to assist you.

Before I could feel justified in assigning one of our field men to examine the property, I would want to see the additional information you have on hand with maps and sketches of your proposals.

With best wishes, I am

Very truly yours,

J. S. Cougal, Director

JSC:kk

May 24, 1943

Mr. Charles M. Bryant
651 North New Hampshire
Los Angeles, California

Dear Mr. Bryant:

Your letter to Mr. Macfarlane has been called to my attention.

I looked into the record of the Starlight Mine located in Graham County and found that a loan was granted to a Mr. Friederichs in October, 1942 for \$5000. \$1000 was spent on the property by Mr. Friederichs accompanied by an engineer named Larson.

One of the tunnels upon which the application was passed was reopened and no ore was exposed. The matter was referred to the RFC Mine Loan Division in Phoenix and an engineer named Maitland went and checked on the property. The property did not check up and the loan was cancelled.

Under the conditions, I feel sure you will have difficulty getting favorable consideration by the RFC on another application for a loan on this property. Under the conditions, I do not see how we could take our field engineer off of another job and have him assist on an examination of your property. I can refer you to an engineer named C. L. Orem, Room 307, Phoenix National Bank Building, Phoenix, who is in private consulting work and who undoubtedly would make an examination for you if you so desire.

I understand that Mr. A. C. Nebeker, who was formerly with this Department, did make a report on this property, but subsequent checking by another engineer apparently did not justify the continuation of work under the loan that was granted.

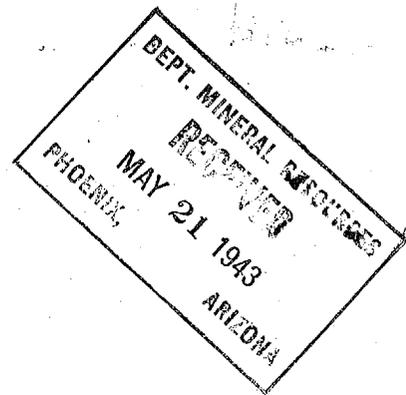
With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal, Director

JSC:kk

651 N. New Hampshire
Los Angelus, Calif.
May 20, 1943



Arizona State Department of Mineral Resources.
Phoenix, Arizona.
% Mr. McFarland.

Dear Sir:

I have a lease on the Starlight Mine located in Graham County, Arizona.

I wrote to Globe to see about getting an Engineer to make a report on this mine as required in obtaining an R.F.C. loan to re-open the property and have just received a letter telling me that there were no good engineers available as all were working for some mineing company.

I was also advised that your department made these reports free of charge and that you were in charge.

I trust the letter did not mean that you were not a good engineer in spite of the gramatical construction.

If your department can make this inspection, I can arrange to be over there a few days in advance and can at least get the road in shape so we can drive up to the property. I might also locate the corner posts etc. so as to aid your department that much and also it might be profitable to me to talk it over with the engineer. Incidentally I am supposed to know a little about structural geology.

Mr. Nebeker whom you most certainly know has been over the property and I am sure will tell you that this property is worth looking into.

Very truly yours

Chas. M. Bryant

1000.2

File: ERD

April 28. 1944

Office of Price Administration
War Price and Rationing Board S1.7.1
Ellis Building
Phoenix, Arizona

Gentlemen:

Mr. Ed Harrison, 611 East Roosevelt, is the owner of the Starlight Group of claims in the Stanley Butte Mining District and operations are being started toward opening up the former tunnel and sinking to develop an extension of the copper-lead ore body.

This property is located about 70 miles from Safford and will require about 4 trips a month to keep in supplies and equipment. This is a copper property and copper is one of the critical war minerals so I can certify as to the need of this gasoline.

Very truly yours,

J. S. Coupal
Director

JSC:JES

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 10/2/44
 Name of Mine..... Old Starlight
 Owner or Operator..... Ed Harrison
 Address..... 611 E Roosevelt Phoenix
 Mine Location..... Graham County 80 miles from Safford

Filing Information

File System..... Cumberland
 File No..... BD
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing.....; Sale of mine.....;
 Experimental (sampling).....; Owner's occasional trip.....;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	1	600	40
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

.....

REMARKS:

Had had C card for some time

By Chaff Drinning

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 4/30/45
 Name of Mine..... Starlight
 Owner or Operator..... Ed Harrison
 Address..... Eden, Arizona
 Mine Location..... San Carlos Apache reservation

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development.....; Financing.....; Sale of mine.....;
 Experimental (sampling).....; Owner's occasional trip.....;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>1937 La Salle</u>	<u>640</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead Copper

REMARKS:

Mr Harrison is developing the property

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By George Ballan

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

July 8, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Old Starlight Mine ^{Maricopa} (Gila County) gold, silver, lead

(Property) (ore)

(formerly Tri-Bullion M. & S. Co.)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

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

August 7, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Starlight (Graham County)	copper, lead, gold
(Property)	(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report



PHOENIX, ARIZ.
AUG 14
10:30 PM
89 67

~~Mr. Ed Harrison~~
~~613~~ E. Roosevelt
Phoenix, Arizona

Handwritten signature

128 B NO SUCH NUMBER

RECEIVED
AUG 10 1958
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

PHOENIX
AUG 7
7-PM
19 58



ICES

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 1/25/45
 Name of Mine..... Starbuck
 Owner or Operator..... Ed Harrison
 Address..... 611 E Research Phoenix
 Mine Location..... Starbuck Peak Graham County

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development.....; Financing.....; Sale of mine.....;
 Experimental (sampling).....; Owner's occasional trip X.....;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months.....
 Approx. present rate per 3 months.....
 Anticipated rate next 3 months.....
 If in distant future check (X) here X.....

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>1</u>	<u>640</u>	<u>45</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper Lead

REMARKS:

This is a renewal bid OK

By..... Ed Harrison

MAXWELL
GORDON

GLORY

ARIZONA

THANKSGIVING

MAMMOTH CHIEF

SILVER BELL

KEDDY

CONNECTION

DAVID

CURTIS

COLON

NORTON

BIMBO

WILSON

PANAMA

NINA

COWS HEAD

No. 2

No. 1

No. 16

COBLIDGE

SAND CARBONATE

DAWES

HEAD CENTER
GRAND CENTRAL

IRONTON
IRON CAT
IONIA

ADMMR Facsimile Cover Sheet

To: JACK GRACIE
Company: ASARCO - REALTY INC.

Phone: 520-798-7517
Fax: 798-7781

Date: 2-6-04

Comments:

STARLIGHT - PAT. LAND 4 SALE
T4S, R19E Sec 11, 12, 13, 14

From: Nyal J. Niemuth
Company: Arizona Dept. of Mines
and Mineral Resources

email: njn22r@hotmail.com

Phone: 602-255-3795 Ext. 14

Fax: 602-255-3777

Pages
including this
cover page: 7

FAX

Pages: 1 of 8

To: Nyal

From: Becky Sims

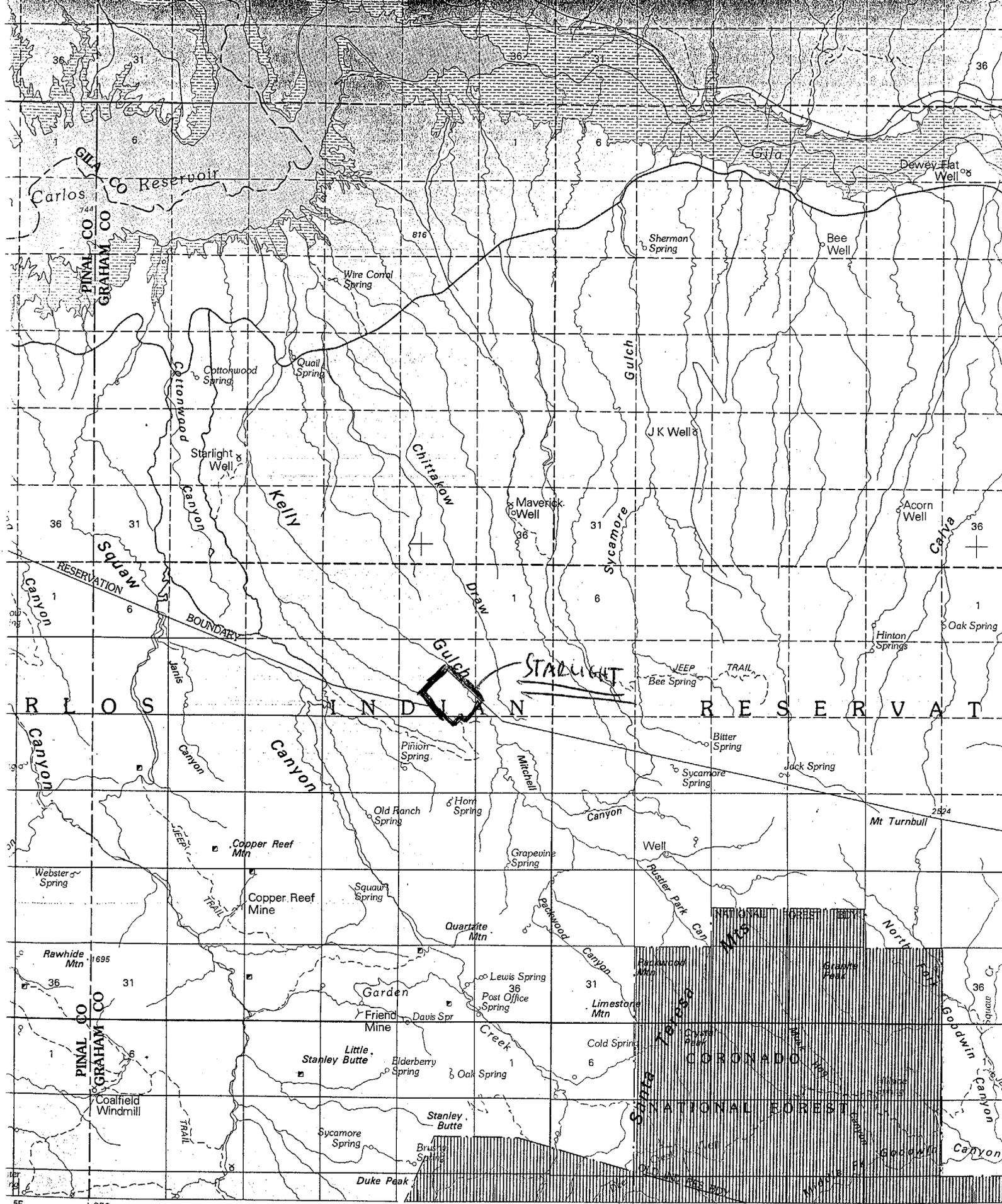
Address: 1507 Hacienda
Amarillo TX, 79111

E-Mail: becky@netjava.com

I'm Bobbie's Granddaughter I hope that is what you were looking for. I put my e-mail and address up there so if it isn't what you needed you can get ahold of us.

Thank you
for helping us
Becky & Bobbie

BOBBIE SMITH
806-356-8864
HER MOTHER
MRS. C.E. LYLLE
IS THE OWNER.



55 950 R 19 E 56 450 R 20 E 11 000 15'



ARIZONA

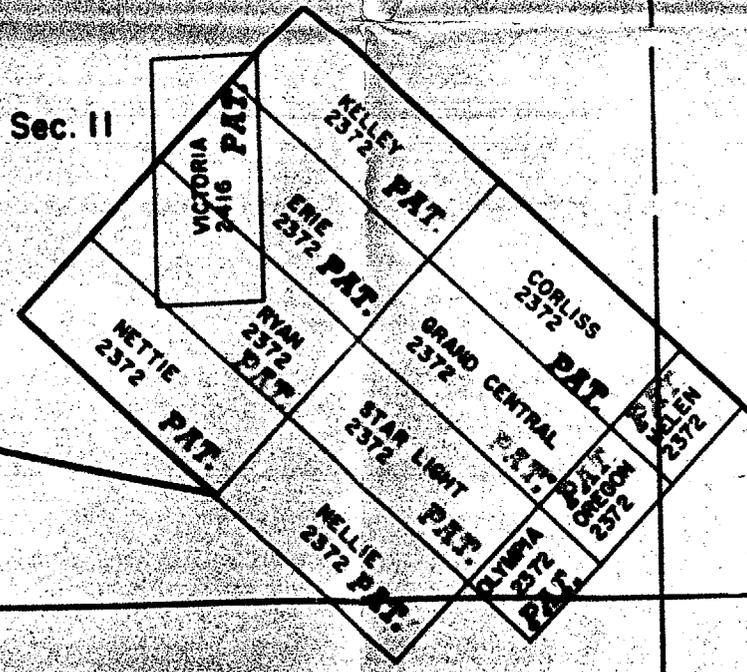
c. 3

Sec. 2

WHITE MOUNTIAN INDIAN RESERVATION

c. 10

Sec. 11



STARLIGHT CLAIM GROUP EVALUATION

INTRODUCTION

The Starlight patented claim group lies within the Stanley (Stanley Butte) Mining District in western Graham County, Arizona approximately 12 miles southeast of Coolidge Dam. Access to the area is through lands of the San Carlos Apache Indian Reservation, and access routes are shown on the San Carlos Reservoir, Arizona 15' topographic sheet. As described by Ross (U.S.G.S. Bull. 763, 1925), the workings of the Starlight group occur entirely within the structurally disturbed strata of the Tornado limestone. These workings include several shafts and a partly caved 1900 foot long tunnel. Approximately \$22,000 worth of ore was taken from the Starlight group in 1905 and 1906. Although Ross notes that the Aravaipa-Stanley region had had but little production (to 1925), its inaccessibility and a lack of capital have kept the region's potential as a metal producer from being adequately tested.

FIELD OBSERVATIONS

The Starlight group was visited on Oct. 29, 1980. The following salient geological relationships were observed:

- 1) A younger quartz porphyry rhyolite dike (sample S1 - see topographic map for location) intrudes the older Precambrian granite.
- 2) Larger intrusive masses of quartz-monzonitic lithology (sample S2) crop out along the jeep trail south of the Starlight mine in sections 14 and 15. Above this intrusion is an epidote-altered quartzite (Cambrian?). Unfortunately the actual contact between the two units was not observed. Greisen-like dikes cutting the altered sandstone, however, suggest an intrusive relationship.
- 3) A quartz-porphyry rhyolite sill (sample S3) intrudes the

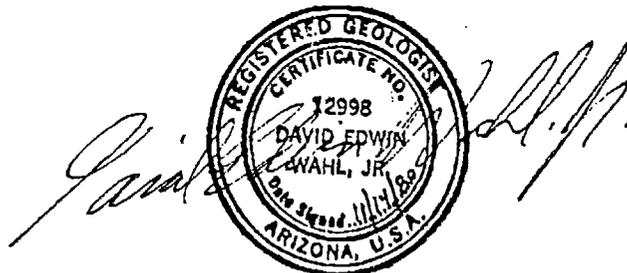
NE-dipping limestone beds immediately west of the Starlight mine. Intrusion appears to be passive and alteration is slight.

4) The Starlight workings are developed chiefly in a brecciated N18W-trending shear zone hosted by moderately recrystallized limestone. The material deposited in this 1 to 3 foot wide zone is dark calcite, copper oxides, iron oxides, chalcopyrite, and possibly silver chlorides (samples S4 and S5). Copper oxides and iron oxides also occur stratigraphically above the Starlight workings along steeply dipping (60° NE) bedding planes in slightly recrystallized crinoidal limestone. (S6).

5) Structural elements are severe in Kelly Gulch. East of the Starlight mine, beds dip steeply to the NE and are probably overturned. A few hundred yards SW, the same beds have a moderate westerly dip.

CONCLUSIONS

The statement by Ross in 1925 that the region is little studied still holds true today. The fact that the Starlight group lies within Indian lands essentially puts it off limits for most major exploration companies. The presence of large intrusive bodies near limestone suggests the possibility of skarn mineralization (typically a high-grade type of mineralization). The sill cutting the limestone is also a favorable sign. The oxide mineralization seen at the surface could be related to skarn mineralization at depth. The biggest geological question is whether or not the large quartz-monzonite body intrudes the limestone -- the contact could be structural. If an intrusive contact is ascertained, a skarn exploration program should be considered. The new roads I observed in Mitchell Canyon could possibly be drill roads put in as part of a test for skarn mineralization by other explorationists. In short, the property has more potential as a "deep" skarn target than as a producer from surficial veins (old ore shipment reports don't indicate high precious metal content in near-surface ore).**



** (see Assay Appendix)

DAVID E. WAHL, JR., Ph.D.

P.O. BOX 27285
TEMPE, AZ 85282
(602) 967-0838

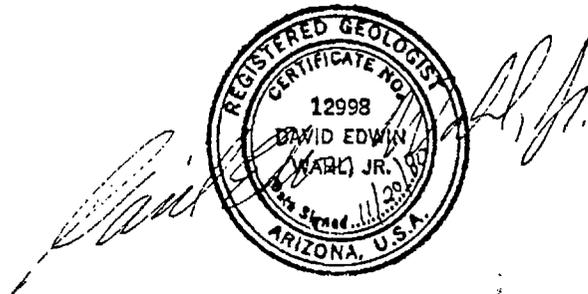
REGISTERED PROFESSIONAL GEOLOGIST
ARIZONA REGISTRATION #12998

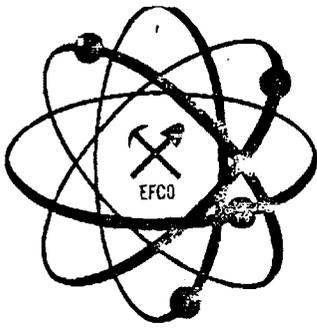
ASSAY APPENDIX

Assay results are in agreement with observations and conclusions from the field survey. The unmineralized igneous rock samples (S1 - S3) have very high trace Cu and Pb contents and such rocks could serve as mineralizers in a skarn environment.

The "high-graded" ore samples are also interesting in that they all contain anomalous gold and silver values. As expected, the deeper samples (S4, S5) contain more Au and Ag than the higher-level sample (S6). With gold at \$600/oz, 1PPM Au is worth \$17.40. Thus samples S4 & S5 respectively contain \$53.24 & \$40.72 in gold per ton of ore. Silver values must also be considered. With Ag at \$18.00/oz, S5 contains \$27.81 Ag/ton, and S4 contains \$9.81 Ag/ton (34.3PPM = 1 Troy oz/ton). Thus at least some of the "high-graded" ore on Starlight dumps contains in excess of \$60.00/ton precious metals at today's prices.

Geologically this is a very interesting and favorable area. Don't give the property away without first giving it a real test.





EFCO LABORATORIES

2819 W. Ruthrauf Road P. O. Box 5526
 TUCSON, ARIZONA 85703
 Phone (602) 887-4241

Laboratory Analysis Report

David E. Wahl, Jr.
 P.O. Box 27285
 Tempe, Arizona 85282

REPORT NO. 800237
 DATE SUBMITTED 11/7/80
 DATE REPORTED 11/17/80

<u>Sample Number</u>	<u>PPM Copper</u>	<u>PPM Molybdenum</u>	<u>PPM Lead</u>	<u>PPM Zinc</u>	<u>PPM Silver</u>	<u>PPM Gold</u>
S- 1	795	<1	744	13	<1.0	<0.10
2	133	<1	48	15	<1.0	<0.10
3	152	<1	213	40	<1.0	<0.10
4	+1000	96	+1000	636	18.7	3.06
5	+1000	136	+1000	+1000	53.	2.34
6	+1000	82	917	156	1.5	1.44

Geochemical Assay

<u>Sample Number</u>	<u>% Copper</u>	<u>% Lead</u>	<u>% Zinc</u>
S- 4	5.51	4.26	
5	1.03	5.53	0.19
6	10.5		

Division of Arizona Feeds

Nancy J. ...
 Signed

GEOCHEMICAL ASSAY

Unless otherwise specified by the customer, a Geochemical Assay will be performed on all samples that exceed the listed range of detection and will be reported in percentage with exception of Gold and Silver. An additional charge of one dollar per analysis will be charged for this service.

SAMPLE PREPARATION

Soils and Stream Sediments

2 pounds and less	\$ 1.00
2 pounds to 5 pounds	2.00
Over 5 pounds	See Lab Manager

Rocks, Drill Cores and Cuttings

2 pounds and less	\$ 1.25
2 pounds to 5 pounds	2.00
5 pounds to 15 pounds	3.00 to 5.00
Over 15 pounds	See Lab Manager

Note: A nominal charge will be made for large samples requiring extensive oven drying.

Bulk rejects will be discarded after crushing and splitting unless customer makes other arrangements upon receipt of sample. Reject storage is available for a period of 30 days after which they will be discarded unless otherwise instructed.

Preparation charges for water and organic samples available upon request.

Non-routine analytical work will be performed on a bid basis.

Note: 1 part per million = 0.0001%
Part per million x 0.02916 = troy ounces per ton.



EFCO LABORATORIES

North Freeway at Ruthrauf Road P. O. Box 5526
 TUCSON, ARIZONA 85703
 Phone (602) 887-4241

EFCO LABS GEOCHEMICAL ANALYSIS PRICE SCHEDULE

<u>ROUTINE</u>	<u>PARTS PER MILLION</u> <u>RANGE OF DETECTION</u>	<u>PRICE PER</u> <u>DETERMINATION</u>
Arsenic	1 to 1000	\$ 5.00
Antimony	10 to 1000	5.00
Barium	20 to 1000	8.00
Bismuth	10 to 1000	8.00
Boron	25 to 1000	10.00
Cadmium	5 to 1000	3.00
Calcium	5 to 5000	5.00
Chloride	25 to 5000	6.50
Chromium	25 to 1500	5.00
Cobalt	10 to 1500	5.00
Copper	5 to 1000	2.50
Fluoride	10 to 1000	6.00
Gold	0.1 to 100	5.00
Iron	5 to 1500	2.50
Lead	10 to 1000	2.50
Lithium	0.1 to 1000	6.50
Magnesium	1 to 1000	5.00
Manganese	5 to 1000	2.50
Mercury	0.05 to 100	5.00
Molybdenum	1 to 500	3.50
Nickel	10 to 1000	2.50
Phosphorus	50 to 5000	8.50
Potassium, Acid Soluble	5 to 1000	6.00
Selenium	3 to 100	20.00
Silver	1 to 100*	2.50
Sodium, Acid Soluble	5 to 1000	6.00
Sulfur	50 to 5000	7.00
Tungsten	200 and up	8.50
Titanium	1 and up	5.50
Zinc	5 to 1000	2.50
Vanadium	5 to 1000	5.00
Silicon	5 to 1000	6.00

COMBINATION PRICES (NO SUBSTITUTIONS)

Cu, Mo, Pb, & Zn	\$ 8.00
Cu & Mo	4.50
Pb & Zn	4.50
Ag & Au	6.50

Lower detection limits
 on request.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Minimum Invoice---\$ 10.00
 Effective--January, 1980

A Division of Arizona Feeds

STARLIGHT

GRAHAM COUNTY

RRB WR 10/22/82: Joe Franklin of Kermit, Texas reports that he has a lease with an option to buy on the Starlight Mine, Stanley District, Graham County. It is on the border between the old San Carlos Indian Reservation and the Mineral Strip - Section 11, T4S R19E. The current owner is Mrs. C. E. Lyle. Mr. Franklin says that he has seen assay reports from a lab in Colorado that showed 15 oz/ton Pt., 10 oz/ton Au and 30% Cu. He will visit the property the 20th and will then visit us.

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Andrew Brown
Address: Box 1797, Clifton Arizona 85533
2. Mine: ~~#####~~ Starlight 3. No. of Claims - Patented 12
San Carlos Reservoir Quadrangle Unpatented _____
4. Location: Graham County 9 miles north of Aravaipa
5. Sec 11 Tp 4 S Range 19E 6. Mining District Stanley
7. Owner: (?) Lyles
8. Address: _____
9. Operating Co.: Andrew Brown, Fred Murphy, Ed Phelen, Elbert Burgett
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: _____ 14. No. Employed: _____
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
17. New Work Planned: Have opened up tunnel past 1300', plan to continue

18. Miscl. Notes: _____

Date: 12-10-69

gwl
(Signature)

(Field Engineer)

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Mineral Building, Fairgrounds

Phoenix, Arizona

1. Information from: Andrew F. Brown
Address: 210 Hill Clifton
2. Mine: Starlight 3. No. of Claims - Patented 11
Unpatented _____
4. Location: 5 miles WNW of Mt Turnbull
5. Sec. 11-12-13-14 Tp. 4 S Range 19 E 6. Mining District _____
7. Owner: ? Lyles
8. Address: _____
9. Operating Co.: Andrew F. Brown, Fred Murphy, Ed Phelan & Ebert Burgett
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: Co Ag. 14. No. Employed: _____
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
17. New Work Planned: _____

18. Misc. Notes: _____

Date: 10-14-69

[Signature]
(Signature)

(Field Engineer)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 6-3-1939

Mine OLD STARLIGHT
District *Stanley Dist. Graham Co.*
San Carlos Res.

Location Kelley Gulch

Former name Tri-Bullion M. & S. Co.

Owner Ed Harrison

Address Cactus, Arizona.

Operator "

Address "

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Gold, silver, lead

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present No operating

Operations Planned

Ed. Harrison (Chief)
Cactus, Arizona 14½ W. Roosevelt, Phoenix
 Old Starlight ^x

Number Claims, Title, etc. 12 patented claims

Description: Topog. & Geog. Rough country - property approximately 5 mi. from U. S. Hwy. 70.
Can be reached by automobile.

Mine Workings: Amt. & Condition 1900 ft. tunnel in good condition.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings Low grade ore - 8' width - in tunnel

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Water Supply Plenty of water available, but not developed at present.

Brief History Located 40 years ago and acquired by Tri-Bullion. Development done by them. Stock company. Property acquired by present owners through tax sale approximately 5 years ago.

Special Problems, Reports Filed Only report made by Clyde M. Becker lost.

Remarks

If property for sale: Price, terms and address to negotiate. For sale on reasonable terms.

Information given by

Signed ED HARRISON

but signature not obtained.

Use additional sheets if necessary.

NAME OF MINE: STARLIGHT		COUNTY: Graham	
OWNER:		DISTRICT:	
		METALS: Cu, Pb, Au	
OPERATOR AND ADDRESS		MINE STATUS	
Date:	Ed Harrison, 611 E.	Date:	Developing Financing
11/44	Roosevelt, Phoenix	11/44 2/45	

STARLIGHT

Cu, Pb

Graham - 5 - 2 T 4 S, R 20 E

James Cobb, Jr., Safford

'43

REPORT

STARLIGHT MINE - ARIZONA

A. C. Nebeker, E.M.

February 3rd, 1941

LOCATION:

The Starlight property is located near the south boundary line of the San Carlos Indian Reservation, near the western side of Graham County Arizona in the Stanley mining district and is about nine miles southeast of Coolidge Dam. The property consists of twelve patented mining claims containing approximately 200 acres. The patent survey, number 2372 was made by James Cobb, Jr. September 13-14, 1907 and is recorded at Safford, County seat of Graham County Arizona. The mine is 21 miles from Calva, the nearest shipping point on the Southern Pacific Railroad.

ROADS:

To reach the property, one turns off the main highway, U. S. 70 at Kelly Wash, 15 miles west of Calva, or 8 miles east of Coolidge Dam; then, up Kelly Wash for six miles which brings one to the portal of the main tunnel. Highway 70 is a good oiled improved road. The road up Kelly Wash is rough and hard to maintain in flood season, but rough as it now is after years of no use, the writer went to the tunnel in a Model "A" Ford in fifty minutes going up the wash. This road difficulty can be overcome by making a road up a ridge east of the wash which will have a gradual grade to the mine and will cut off 5 miles to railroad siding at Calva. After reaching the mine there would be some grading to get down the hillside to the tunnel portal. For the first few months of operation the road up the wash can be used and it appears that two men working a week could make a fair road up the wash, giving a good gradual grade from highway to mine.

CLIMATE:

I would estimate the elevation above sea level to be about 5,000 feet, so the climate is good for all year working purposes. The rainfall is just enough so that such trees as Juniper and Mesquite grow to fair size.

SUPPLIES:

Globe, Arizona is the closest town of importance and some mine supplies can be had there but from Phoenix Arizona or El Paso, Texas such supplies can be had on short notice. Miners and other help are plentiful and can be had at prevailing wages, which are now: miners, \$5.05 per day; muckers, \$4.95; timbermen same as miners. Timber will cost at the mine approximately \$37.00 per M. for native and \$42.00 for coast mine grade.

FREIGHT:

Ore hauling from mine to R. R. siding \$1.00 per ton, and from siding to El Paso smelter \$3.10 per ton.

CAMP:

There being no buildings at the mine and it being too far out for the men to live at one of the towns, it will be necessary to build camp for the men. Climate being very mild, tent houses can be used for all preliminary work.

WATER:

For all mine purposes there is enough water flowing out of the tunnel. When it becomes necessary to sink below the tunnel level, more water will undoubtedly be developed. If it becomes necessary to get water for milling purposes, and the mine does not furnish sufficient, a small dam can be put across the wash above the mine and plenty of runoff water can be collected.

GEOLOGY:

The general geology is a series of sedimentaries, quartzites, shales and limestone, which are heaved and fractured by quartz monzonites or quartz granodiorites, and quartz porphyry intrusives. The formation stands at a dip of 65 to 70 degrees from horizontal and has a strike of N. 45 west. These intrusives have caused great fracture zones of forty to seventy feet across with minor cross fractures. The fracture zones make channels of least resistance to the uprising mineralizing agencies and are favorable points for the formation of ore bodies of the replacement type. Also at the intersection of these fractures are favorable points for large ore bodies. The shales being near the intrusives also act as a very effective dam to the uprising mineralizers, and tend to cause the replacement of the limestone with ore. The stopes where ore has been taken furnish evidence which justifies this conclusion. We find very similar conditions of formation and mineralization in the Superior District and Bisbee District in Arizona, and Tintic and Park City Districts in Utah.

DEVELOPMENT:

The development consists of three tunnels and several pits and cuts. The two tunnels upon the hill were driven to cut just below the ore outcrop and from these tunnels considerable ore was shipped as can be seen from the open stopes left. These stopes show where ore has been taken out for over lengths of 30 to 60 feet with widths up to 15 feet and height up to 40 feet. The writer could not see what was left on the bottom on account of the loose muck. In these stopes one can see fractures leading out with mineralization which could lead to other ore bodies.

The main tunnel is a crosscut tunnel with the portal about twenty feet above the bottom of Kelly Wash. This tunnel is reported to be in 1900 feet. The writer was only able to go in about 400 feet due to a cave in the first 40 foot fracture zone. This fracture break is strongly mineralized with quartz and hematite carrying gold, silver and lead. Mr. McComas, who showed me the property, and who did the timbering as well as mining in the tunnel, reported that 1500 feet further in a 75 foot break was cut from which high grade copper was taken along with hematite of iron carrying gold. This statement seems correct as one can see on the dump copper and iron ore as well as lead. Mr. McComas also states that they were just getting started on drifting along this large fracture when the man putting up the money died and the work was stopped. The copper ore shown on the dump, he states, came out of the drift.

The main tunnel cuts all formations and at the 400 point in the tunnel, quartzite, shale, granodiorite, porphyry and more lime. This tunnel was driven to cut the downward extension of the ore found in the upper tunnels and gives about 700 feet of backs. 1500 feet in the tunnel a spring was opened and this water is carried in a 2½ inch pipe to a large steel tank at the portal. In this tunnel is also a good mine track of 16 lb. rails.

ORES:

Ores found in the Starlight are cerrussite, (lead carbonate) Galena, (lead sulphide) anglesite, (lead sulphate) Chrysocolla, (copper silicate) azurite and malachite, (copper carbonates) silver, and gold, and hematite, (iron oxide). Gangue minerals in the vein are quartz, barite, and calcite.

PRODUCTION:

Due to many years passing since shipments were made it is hard to find copies of settlement sheets, but the stopes show that shipments have been made of high grade lead, silver, gold ore. The Arizona Metal Production Bulletin No. 140 gives the Starlight a production record in 1905-1906 of \$22,000. It is reported by two independent sources that one shipment went out which assayed \$20 gold, 10 oz. silver 70% lead old price. There are several places in the mine where high grade lead can be taken now.

DEVELOPMENT COST TO DATE:

Up to date the development costs, patenting the 12 claims, driving approximately 2700 feet of tunnel, mine rails etc. has been about \$50,000 which work is all valuable for future use.

NEIGHBORING DISTRICTS:

There are no immediately adjoining mines, but north and west about 26 miles is the Globe-Miami District which has a production of more than \$575,000,000 and to the east is the Clifton-Morenci District which has a record of \$311,000,000 and just to the south is the Aravaipi district with a \$1,000,000 record, and to the west is the Banner district with a production of \$13,000,000, and still further south is the Cochise district with \$6,460,000; the Pierce and Courtland districts with \$21,000,000; the Tombstone with \$36,000,000 and the Warren district with \$742,000,000. The Stanley, or Starlight district is within a triangular area that has produced hundreds of millions of dollars and is today one of the richest mineral areas in the world.

RECOMMENDATIONS:

It would be advisable for the development to be done in two stages. First, put the mine in shape for future development and production by;

Repairing road up Kelly Wash-----	\$ 120.00
Two tent houses for mine crew-----	150.00
Supplies for camp, stoves, cots, etc.-----	45.00
2,000 ft. mine timber-----	85.00
Labor and supervision-----	800.00
Mine car and tools-----	75.00
	<u>\$1,275.00</u>

This will put the repair work through the first 40 foot fracture zone and take the work up to the big 75 foot fracture 1900 feet in. It is assumed that this part of the tunnel is open, but should it be found that the timber must be replaced, add another \$800 to the above estimate. This should put the mine in shape for future development and production. The total outlay to this point would be \$2,075.00.

SECOND STAGE:

The first stage having been finished and the mine shows justification of a mining plant, the following will be needed.

One additional tent house-----	\$ 75.00
Compressor and engine-----	4000.00
Machine drill and attachments-----	500.00
Building over plant and shop-----	500.00
Freight and installation-----	400.00
Air line to face of tunnel-----	600.00
Powder, oil, fuel etc.-----	375.00
Storage tank for oil-----	200.00
Capital for labor during development-----	2000.00
	<u>\$ 8650.00</u>

Total to this point-----\$10,725.00

CONCLUSIONS:

Although the Starlight is only a prospect in its present stage of development, but having produced ore to the amount of over \$22,000 and being in a favorable formation within a triangle of big producers, it shows beyond question the probabilities of ore bodies being developed. The ore outcrop can be traced through the full length of the property, about three thousand feet. The geological features are similiar to other large producing districts. The limestones are favorable for ore replacement, with the shale present to act as a dam, influencing the ascending mineral solutions to spread out and replace the lime and fractured zones.

The writer believes that ore bodies of commercial size and value will be developed, and that the expenditure of the above amount of money is warranted, and that profits will be realized. At present the writer has no interest in this property, but hopes to join with any operator.

(Signed)

A. C. Nebeker, Engineer of Mines

Feb. 3rd, 1941

TRI-BULLION SMELTING
and
DEVELOPMENT COMPANY

The Arizona Claims include the Tri-Bullion group of 8 gold & silver properties apparently idle, and the STARLIGHT GROUP of 14 copper and lead claims, located in Godless Gulch, in the Stanley Butte District, 8 miles south of San Carlos.

The Starlight mine was discovered in 1886, but lands were set aside later as part of the San Carlos Indian Reservation, and were not segregated until 1901. Work by present company was started in 1903.

Country rock are quartzite, porphyry and limestone, showing occasional granite and diorite, carrying 3 known lenses of 20' estimated average width, showing oxide and carbonate ores, giving average assay of 8% copper, 10 ozs. silver, and \$4.00 gold per ton, in addition to values in lead, zinc, antimony and bismuth. The high grade ores run 8% copper, 40% lead, with 10 ozs. silver and \$3.50 gold per ton. Considerable ore carrying circa 3% copper and 10% lead with small gold-silver values has been blocked out.

The ore body of 3' to 20' wide has given assays up to 32% copper with considerable gold and silver values.

The ore is low in silica and rich in lead and iron, rendering it self-fluxing notwithstanding the existence of deleterious elements.

The principal claims are the Starlight and Will Ryan Group.

The Starlight has shafts of 140' and 200', and a small tunnel, planned to cut the main vein at a distance of 1000', giving a back of 500' which already has cut 2 small veins showing auriferous and argentiferous copper ore. The Ryan crosscut tunnel is about 1200' long and the property shows large reserves of low grade ore.

Survey has been made for a 3000' tram line, with a 22% grade from the Starlight mine to the wagon road in Kelly Gulch.

The property shows remains of an old adobe smelter, 100 years or more of age as evidence that the mine was worked formerly by Mexicans or Spaniards. The Kelly zinc mine was a considerable producer during 1905 and Starlight shipped ore netting \$6,876. The property is considered promising.

Copied out of COPPER HANDBOOK - Vol. VI, by Stevens, 1906, Page 984.

The Bull. of Arizona Metal Mine Production gives the Starlight Mine credit of shipping in 1906 \$22,000 of copper ore.

TRI-BULLION SMELTING
and
DEVELOPMENT COMPANY

The Arizona Claims include the Tri-Bullion group of 8 gold & silver properties apparently idle, and the STARLIGHT GROUP of 14 copper and lead claims, located in Godless Gulch, in the Stanley Butte District, 8 miles south of San Carlos.

The Starlight mine was discovered in 1886, but lands were set aside later as part of the San Carlos Indian Reservation, and were not segregated until 1901. Work by present company was started in 1903.

Country rock are quartzite, porphyry and limestone, showing occasional granite and diorite, carrying 3 known lenses of 20' estimated average width, showing oxide and carbonate ores, giving average assay of 8% copper, 10 ozs. silver, and \$4.00 gold per ton, in addition to values in lead, zinc, antimony and bismuth. The high grade ores run 8% copper, 40% lead, with 10 ozs. silver and \$3.50 gold per ton. Considerable ore carrying circa 3% copper and 10% lead with small gold-silver values has been blocked out.

The ore body of 3' to 20' wide has given assays up to 32% copper with considerable gold and silver values.

The ore is low in silica and rich in lead and iron, rendering it self-fluxing notwithstanding the existence of deleterious elements.

The principal claims are the Starlight and Will Ryan Group.

The Starlight has shafts of 140' and 200', and a small tunnel, planned to cut the main vein at a distance of 1000', giving a back of 500' which already has cut 2 small veins showing auriferous and argentiferous copper ore. The Ryan crosscut tunnel is about 1200' long and the property shows large reserves of low grade ore.

Survey has been made for a 3000' tram line, with a 22% grade from the Starlight mine to the wagon road in Kelly Gulch.

The property shows remains of an old adobe smelter, 100 years or more of age as evidence that the mine was worked formerly by Mexicans or Spaniards. The Kelly zinc mine was a considerable producer during 1905 and Starlight shipped ore netting \$6,876. The property is considered promising.

Copied out of COPPER HANDBOOK - Vol. VI, by Stevens, 1906, Page 984.

The Bull. of Arizona Metal Mine Production gives the Starlight Mine credit of shipping in 1906 \$22,000 of copper ore.

TRI-BULLION SMELTING
and
DEVELOPMENT COMPANY

The Arizona Claims include the Tri-Bullion group of 8 gold & silver properties apparently idle, and the STARLIGHT GROUP of 14 copper and lead claims, located in Godless Gulch, in the Stanley Butte District, 8 miles south of San Carlos.

The Starlight mine was discovered in 1886, but lands were set aside later as part of the San Carlos Indian Reservation, and were not segregated until 1901. Work by present company was started in 1903.

Country rock are quartzite, porphyry and limestone, showing occasional granite and diorite, carrying 3 known lenses of 20' estimated average width, showing oxide and carbonate ores, giving average assay of 8% copper, 10 ozs. silver, and \$4.00 gold per ton, in addition to values in lead, zinc, antimony and bismuth. The high grade ores run 8% copper, 40% lead, with 10 ozs. silver and \$3.50 gold per ton. Considerable ore carrying circa 3% copper and 10% lead with small gold-silver values has been blocked out.

The ore body of 3' to 20' wide has given assays up to 32% copper with considerable gold and silver values.

The ore is low in silica and rich in lead and iron, rendering it self-fluxing notwithstanding the existence of deleterious elements.

The principal claims are the Starlight and Will Ryan Group.

The Starlight has shafts of 140' and 200', and a small tunnel, planned to cut the main vein at a distance of 1000', giving a back of 500' which already has cut 2 small veins showing auriferous and argentiferous copper ore. The Ryan crosscut tunnel is about 1200' long and the property shows large reserves of low grade ore.

Survey has been made for a 3000' tram line, with a 22% grade from the Starlight mine to the wagon road in Kelly Gulch.

The property shows remains of an old adobe smelter, 100 years or more of age as evidence that the mine was worked formerly by Mexicans or Spaniards. The Kelly zinc mine was a considerable producer during 1905 and Starlight shipped ore netting \$6,876. The property is considered promising.

Copied out of COPPER HANDBOOK - Vol. VI, by Stevens, 1906, Page 984.

The Bull. of Arizona Metal Mine Production gives the Starlight Mine credit of shipping in 1906 \$22,000 of copper ore.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

Owners' ~~FIELD ENGINEERS~~ REPORT

Date 6/3/39

Mine Old Starlight

Engineer

District San Carlos Res. *Stanley District Graham Co.*

Location Kelley Gulch

Former name Tri-Bullion M. & S. Co.

Address Cactus, Arizona.

Owner Ed. Harrison

Address -

Operator ✓ ✓

Gen. Mgr.

President

Mill Supt.

Mine Supt.

Principal Metals Gold, silver, lead

Men Employed —

Production Rate —

Mill: Type & Cap. —

Power: Amt. & Type —

Operations: Present

Not Operating

Operations Planned

Number Claims, Title, etc.

12 Patented Claims

Description: Topog. & Geog.

Rough country - properly approx. 5 mi. from U.S. Hwy. 70
can be reached by automobile

Mine Workings: Amt. & Condition

1900 ft. Tunnel in good condition.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

low grade ore - 8' width - in tunnel.

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Water Supply

Plenty of water available but not developed at present.

Brief History

Located 40 yrs. ago and acquired by Tri-Billion. Development done by them, stock company. Property acquired by present owners through tax sale, approx. 5 yrs. ago.

Special Problems, Reports Filed

Only report made by Clyde M. Becker, lost.

Remarks

If property for sale: Price, terms and address to negotiate.

For sale on reasonable terms.

Signed Information given by Harrison but

Use additional sheets if necessary. Separate sheets on each problem. signature not obtained.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 6-3-1939

Mine OLD STARLIGHT
District *Stanley Dist. - Graham Co.*
San Carlos Res.

Location Kelley Gulch

Former name Tri-Bullion M. & S. Co.

Owner Ed Harrison

Address Cactus, Arizona.

Operator "

Address "

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Gold, silver, lead

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present No operating

Operations Planned

Number Claims, Title, etc. 12 patented claims

Description: Topog. & Geog. Rough country - property approximately 5 mi. from U. S. Hwy. 70.
Can be reached by automobile.

Mine Workings: Amt. & Condition 1900 ft. tunnel in good condition.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings Low grade ore - 8' width - in tunnel

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Water Supply Plenty of water available, but not developed at present.

Brief History Located 40 years ago and acquired by Tri-Bullion. Development done by them. Stock company. Property acquired by present owners through tax sale approximately 5 years ago.

Special Problems, Reports Filed Only report made by Clyde M. Becker lost.

Remarks

If property for sale: Price, terms and address to negotiate. For sale on reasonable terms.

Information given by

Signed ED HARRISON

but signature not obtained.

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine STARLIGHT MINE (WRIGHT CLAIMS) Date 3-27-63
District STANLEY BUTTE DIST., GRAHAM COUNTY Engineer LEWIS A. SMITH
Subject: Interview with George L. Wright, 380 S. Hill, Globe, and Wm. Daly, Globe

PROPERTY: 11 patented claims (Doc. 143, p161, Safford) (M.S. #2372)
Kelly, Nettie, Starlight, Oregon, Erie, Carliss, Nellie, Olympia, Will Ryan, Grand Central, Helen.

LOCATION: 2 miles east of Stanley toward Mt. Turnbull.

Owner: George L. Wright, 380 S. Hill St. Box 1387, Globe, Arizona

Mineral: Copper (one area) and lead-silver (another area).

Shipments: According to Wright, several carloads of ore were shipped some years ago (during W.W. 2).

Work: Several short adits and pits out from which are some small open-cut stopes.

Geology: The copper was obtained from replacement bodies in limestone adjacent to a vertical contact with a wide diabase dike. The lead-silver, according to Wright, occurs in small bodies at fracture intersections. The lead ore specimens showed galena, anglesite and cerussite, anglesite predominating. The copper ore specimens showed malac hite, chrysocolla, cuprite and melaconite, affiliated with strong hematite (redearthly and specularite). The limonite indicates that chalcocite was present as well as strong pyrite and probably chalcopyrite.

Future: Mr. Wright is too old to work the property and wants to sell.