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The following file is part of the John E. Kinnison mining collection

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BLM - 241-5507

EH-5547

Month. 5, 1986

T-9-N, R-3-W Sec. 26

Willamette -

STATE Land <sup>section</sup> - U.S. Mineral

± 30 claim in stream, 1 1/2 pages.

July 18 1986

Visited Clancy Warratt of Nicor - received  
copy of their claim map, which also shows  
outline of Patented claims, and unpatented, which  
cover the Groom vein property. This is held by option  
to the Duval group - Battle Mountain Gold Company -  
the old Duval Expl. group - They recently drilled  
six holes, apparently with little or no  
commercial success, although Warratt doesn't  
have the data.

May 30 1986

Harry Downey  
Orono Maine

Dear Harry

I am sending some information on the Groom Mine near Wickenburg, which I think I mentioned previously on the phone. It is all the information I have at the present time, and I have included a summary of this info in Draft form. I think that if the property is available on a reasonable basis, that this data is enough to justify a preliminary property check, and field examination. If these are favorable, a more thorough exam would be in order. As you will see, one statement suggests that gold is present everywhere in the outcrop (although low grade presumably). The oxidized part having both Copper and gold precludes (I would suppose) inexpensive heap leaching, although with combination circuits amalgamation/flotation, followed by flotation of the copper oxides (or pelletization leaching). Perhaps the copper could be recovered first, followed by cyanidation of the tailings. Many combinations are ~~present~~ possible.

②

A modern examination could also result in a new interpretation; perhaps a sulfide target could be considered. The tonnage potential appears to be large; but also there may be small scale portions of higher-grade, near surface mineralization.

I ~~find~~ found one reference (Mines Register 1946) under the California Engels Co. which said their were 6 patented claims. I will go ahead and make a phone call or two re the property, but I don't want to chase this too far unless I get a statement of interest from some concern who would finance the exploration. By the way, I am mainly interested in doing some of the work, although a finder's fee is a nice bonus if I can get one. If any of your contacts are interested, perhaps we could arrange it so we both cooperate in the work.

I haven't heard anymore about the Chevron payment for the Keystone, but B.H. Mounts was going to come through on this, as I understand it, during the first week in June, on his own since he already has most of the money.



I should mention that the Wickenburg area, I am told, is really "hot" with gold exploration activity.

Goldfields has people working over the whole area, as does Newmont. John Hunt's crew is there also.

B.H. had given <sup>one</sup> of these men the Groom file in its original note form, which was pretty scrappy. I have recopied it to send to you and added my summary.

Anyway, he returned the file without examining the property and didn't seem to show any enthusiasm for it. Grover Heinrichs, of course, is also there; he is going to try to work the Weaver Creek placers near Rich Hill. Dickerson has the old Vulture mine SW of Wickenburg, but I don't know what he is doing there.

I would like to get up there on a visit to see if any work could be drummed up, but I don't really have the travel money, and my recovery from the recent operation is still going slow. Better all the time, but I can't yet walk over a mile, even on level ground, and have some <sup>whole</sup> days and parts of days when I am very tired. I'm hoping to see more rapid improvement in the coming month.

To close for now—

Best Regards  
Johnny Kinnison

*Groom Mine file*

From G. M. Colvocoresses  
file, Dept Min Resources

April 14th, 1938.

Mr. F. W. Beauchamp  
564 Market Street  
San Francisco, California

Dear Beauchamp:

Referring to the Groom Mine in the Constellation Mining District near Wickenburg of which you spoke to me in San Francisco, I have looked over my file on this property and do not find much of interest since the mine was idle and the old working inaccessible during practically all of the time when my field engineers used to cover that district.

Apparently, it was reopened around 1928 and soon after the A. S. & R. took an option. A statement in regard to this mine given me by an engineer named Benton in April 1931, is as follows:

"The A. S. & R. sunk a shaft 500' deep which left the ore vein at 200' and is barren below. They did some drifting on the 200' level but this is now caved, although maps and sampling of their work should be available. The Groom property adjoins the claims of Burns who has sunk two shafts and developed sulphide ore at a depth of 60', although most of the ore on the Groom property appears to be oxidized to a greater depth.

Beals, the Superintendent of the Groom property, is still on the ground and is operating a small mill where ore is crushed in a ball mill after which it goes over plates and the tailings are treated by flotation. About 50% of the gold is recovered on the plates and an additional 30 to 35% by flotation. The ore contains some copper, probably around 2%, and Benton thinks that it will average about \$4.00 or better in gold with some portions of the vein running up to \$8.00.

At one end of the property is an old shaft sunk by George Middleton some thirty years ago in which it was reported that there were good sulphides at a depth of less than 400' but this working is now caved and inaccessible."

April 14th, 1938.

Later on I had some correspondence with a man named Frickey in San Francisco who was financing the work at the Groom and from a letter which he wrote on May 5th, 1931, I quote the following:

"There is an exceptionally large outcrop of gossan on this property-more than 2000 feet in length with two parallel vein systems, one five to 30 feet in width, the other 20 to 100 feet in width. There seems to me only these questions requiring answer: what is the depth of the sulphide zone? What is the thickness of the secondary zone? And, what are the values in both of these? The workings opened by the A. S. & R. do not answer these questions. There is data available giving results of sampling in these workings, but these could not be checked without unwatering the mine. My opinion is that these questions must be answered by actual underground development work and that the surface indications warrant the expenditure for such underground development.

"There are gold values everywhere on the outcrop, but not in grade to warrant milling for that metal alone, except that a portion of the ground at the extreme north end was sampled and warranted the expectation of gold values of \$8.00 to \$10.00 and copper 2-4%. A forty ton mill and small flotation machine was built to work this ground, but operations had to be stopped because of lack of funds. A careful metallurgical test was made with the mill and good extraction was proven both from plates and flotation unit. Considerable ore of shipping grade in copper was removed from the surface at this point. There is some good evidence that the sulphide zone at this point will be above the 400 foot horizon."

Later on I discussed this mine with some engineers of the A. S. & R. Company and was given to understand that they agreed in believing that there was a large body of low grade gold-copper ore but that they were not satisfied that average values were as good as mentioned by Frickey and that under any circumstances they did not believe that the deposit would be large enough to interest their Company or form the basis of any large scale operations and this was the principal reason why they dropped their option.

I understand that Beals has worked at intervals during the last few years but his activities have been principally confined to mining and shipping small stringers of high grade ore and I do not think that he has carried on any substantial amount of development work or done anything to prove or disprove the probability of finding a large tonnage.

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Mr. F. W. Beauchamp

-2-

April 14th, 1938.

I will try to obtain some further and more recent information as opportunity permits and if this mine is of any real interest to you or your associates, I could probably arrange to pay it a personal visit as I frequently pass through Wickenburg and the side trip could easily be made in a day.

Personal regards.

Sincerely,

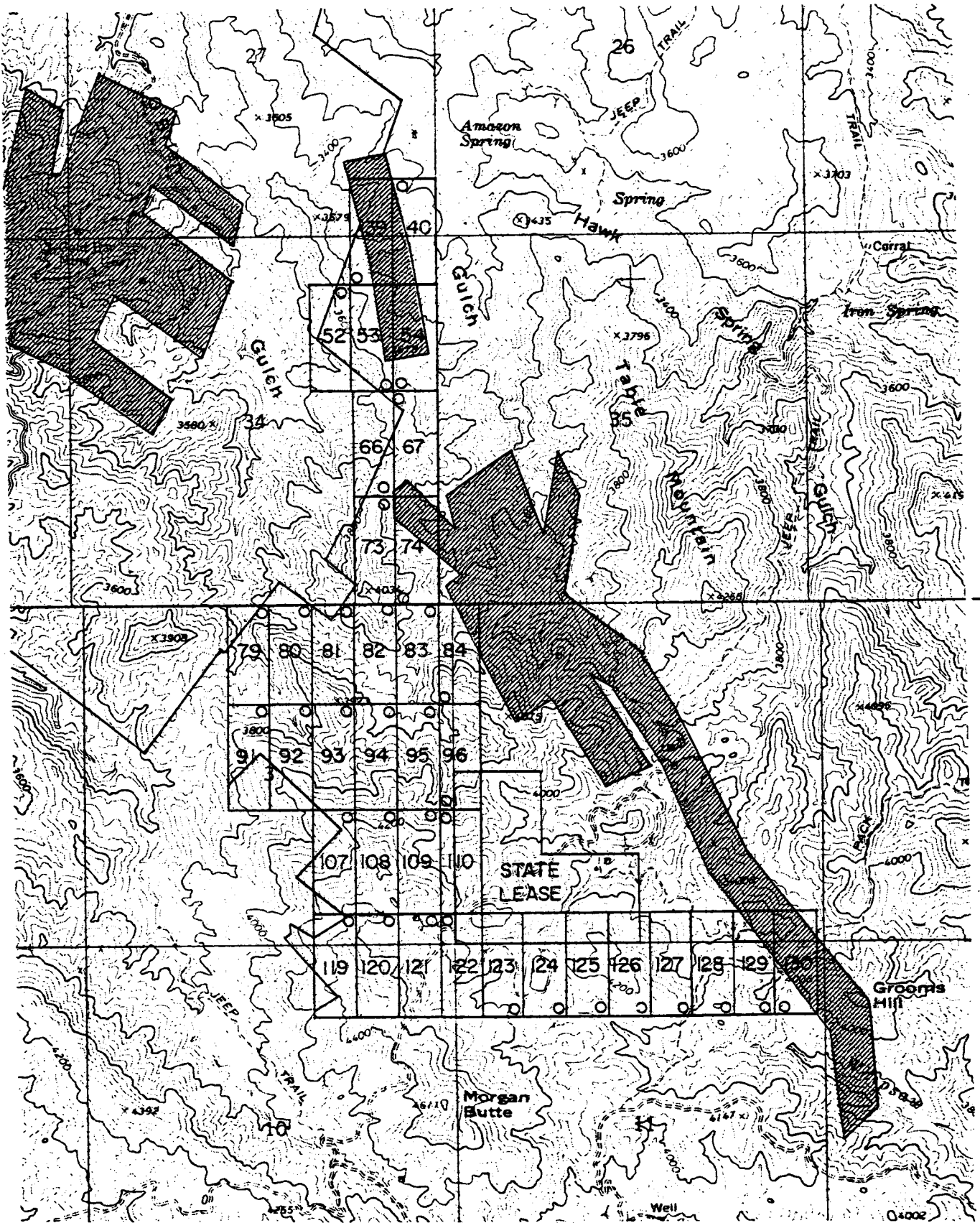


GMC:MF

R 3 W

T 9 N  
T 8 N

Northern Illinois Utility Co - Mostly Gas Sales  
Is selling Mineral Division



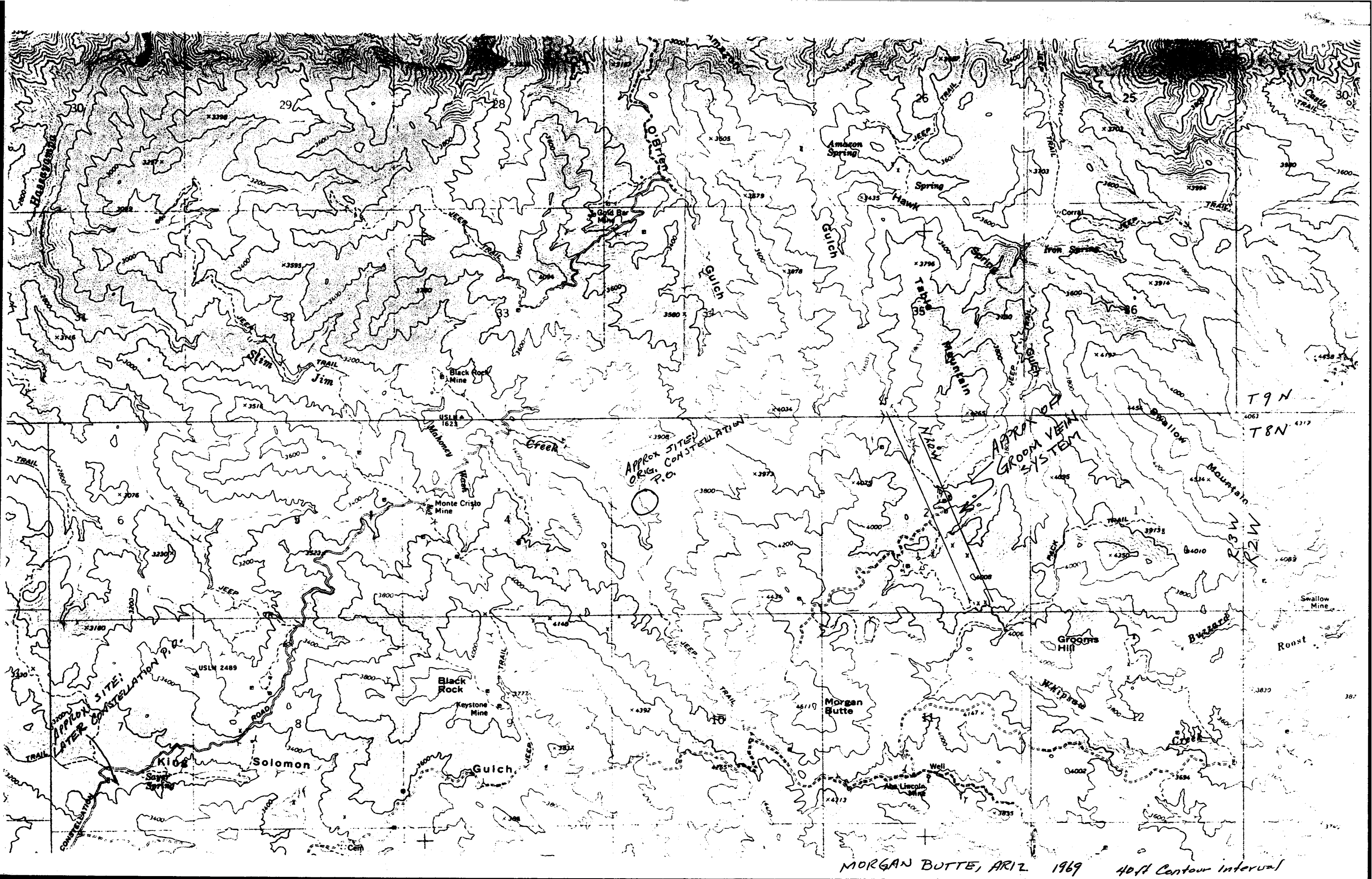
From CHANKY WENDT  
July 1986

37 claims



NORTH

Stippled area  
Patented claims  
and others, on option  
to Mineral



MORGAN BUTTE, ARIZ 1969 40ft Contour Interval

INTERPRETATION OF DATA  
SUMMARY AND CONCLUSIONS

The following comments derive from data obtained through the files of the <sup>AZ. State</sup> Dept of Mineral Resources and the Ariz Bur of Min. Technology (formerly the Ariz Bur of Mines). I have not been on the ground personally, although I have seen other deposits NE and also SW of Wickenburg, and am familiar with details of the <sup>district</sup> ~~local~~ geology.

The Groom Mine is a Gold-copper quartz vein system, <sup>The outcrop is a copper-stained gossan of considerable prominence.</sup> 16 Mi NE of Wickenburg. The deposit or mine is not designated on the 7 1/2' Morgan Butte Quad, but file references to other established Mines suggests that the group of shafts and adits in Sec 2, T8N, R3W is the proper site. (It is not shown on the old Congress 36' Quad of 1903).

A portion of the topo quad is attached, along with a copy of my notes from file data.

There are two published notes on the mine, in Ariz Bur of Mines Bulls 125 (1928) and 137 (1934). The first states that AS & R was exploring the property, and the 2nd gives a brief geologic description. Notes from these are also attached.

The deposit was held in 1899 by Bob Groom, and it was noted for large copper-stained ferroginous outcrops. Shafts and other development were evidently done in the early part of this Century -- they were found caved and abandoned in 1928 when Asarco began an exploration program, consisting of surface drilling and the sinking of a 500-ft. shaft, with laterals on the 200 level.



②  
The Asarco work was done while Julius Kruttschnitt was manager of the Tucson office. Roger L. Beals was Superintendent at the mine. This work is significant in my appraisal of the surface outcrop of the Groom vein system, since I have not seen it on the ground, and information on it is very brief. When I worked for Asarco I read many of Kruttschnitt's reports, and saw some of these old projects in the field (although not the subject mine). None of these old Asarco exploration projects lacked significant evidence of strong mineralization, and they all possessed considerable tonnage potential -- either in length and width of vein structures, or areal extent of disseminated mineralization. The length of the Groom veins is variously <sup>described</sup> as more than one mile to a little over 10,000 feet, and there are several references to a conspicuous gossion. I expect that it really has an impressive outcrop.

Asarco stopped exploration about 1930, evidently convinced that although there was a large low-grade Cu-Au deposit, it was sub-marginal.

Beals, the former Superintendent, either on his own or with associates, formed the Milvare Copper Co and operated during the 1930's, making small shipments of gold conc. from a 30 Tpd amalgamation and flotation mill, and direct shipments of high-grade Cu-Au ore. The total production cannot be obtained from the U.S. Mineral Resources yearbooks because the Groom production is grouped with other small producers in the district, <sup>but is small -- less than 2000 tons total.</sup> The last recorded effort was by the California Engels Co. who optioned the mine in 1939, but their production is not known to me.



(3)

The attached letter from ~~Columbia~~ <sup>G. M. Colver-Corcoran</sup> gives ~~quoted~~ grades from sampling, including the Asarco exploration, ranging from estimates of \$4.00 to \$10.00 in gold. The letter (1938) includes these statements in quotation marks, dating from 1931 when Au was still at \$20.67/ounce, although it is always possible that he up-dated these dollar figures to \$35.00/oz. A 1939 newspaper clipping quotes reserves of 88,000 tons ranging from \$9 to \$11/ton, the figures presumably coming from Beals, based on his shipments and mill feed, along with sampling data, and representing near surface ore. I would hesitate to put more confidence in these statements than they ought to have -- but combined they suggest values of  $\frac{1}{4}$  to  $\frac{1}{3}$  Ozt/ton of Gold. By-product copper is suggested to be about 2%.

The obvious drawback is the metallurgy of the Au-Cu combination. Copper would probably debar heap leaching of gold, unless there are copper-poor segments which could be mined separately. The alternative requires a ~~completely~~ <sup>completely</sup> mill with grinding circuits, and a combination of recovery ~~factor~~ <sup>circuits</sup>.

None the less, Both the tonnage potentials (which would include both a large-tonnage potential as well as possible small scale high-grade) and the grades suggested could be in the economic range today. If the property is available on reasonable terms, I think the cost of preliminary examination, and a staged surface sampling effort is warranted, based on the data I have collected. A modern geologic evaluation might suggest a model for a deeper sulfide target.

John E. Kinnison

May 25, 1986

ARIZ. BUR MINES BULL 137, 1934

"ARIZ LORE GOLD DEPOSITS"

ARIZ

Pg 64

Gold Bar (O'Brian) Mine is 2.7 Miles NE of Constellation.  
(This apparently refers to the second site of the Constellation P.O.,  
on Constellation Road near King Solomon's Wash - J.E.K.)

The Groom Mine, also known as the Milvare Mine, is on  
the headwaters of Amazon Gulch, "7 mi by Rd NE of the  
Constellation Rd, about 16 mi NE of Wickenburg." (The  
turn-off for the 7-mile Rd, on the constellation Rd, was  
prob. at the same location as it is today, just SW of  
where the King Solomons wash crosses it; the graded and  
maintained section coming from Wickenburg ends at the  
King Sol. wash junction. The continuation of the constellation  
Rd is poorly maintained. - J.E.K.)

AS&R prospected the Groom vein by a 500 ft shaft  
and considerable drilling.

Country rock is granite, complexly faulted. Principal  
mineralization is in two near vertical veins, 250 apart,  
striking N 20° W, with a surface trace of more than a mile.  
The veins consist of hematite, limonite, and fine-grained quartz,  
with chrysocolla, malachite, and copper pitch.

The eastern vein, the strongest mineralization, is 3-6 ft  
wide and in places pinches out.

In 1934, R.L. Beals and associates were working the  
eastern vein, the ore treated in a ~~small~~ 30 Tpd plant  
with amalgamation ~~to~~ plates and tables.

The ratio of gold: silver is 7:3

from Ariz Bur of Mines - Mines file

GROOM MINE

BLACK ROCK or CONSTELLATION DIST

YAVAPAI CO ARIZ

"Groom Creek Mining & Milling Co" - This file contains 3 news clippings on the Groom Creek property near Prescott, and 2 clippings on the Groom Mine (Constellation) - apparently combined by mistake. There is no other Groom mine file.

GROOM MINE News clippings (from above file)

5/14/27 The old Groom property being operated by AS & R, is developing its system of veins and Tom Frazier, contractor, is in charge of sinking a 1000-ft shaft.

Roger S. Beale arrived to act as superintendent. The Groom Mine is about 16 mi northeast of Wickenburg, in the "east belt", about 3 mi east of the Monte Cristo Mine.

Outcrop of vein averages 40 feet wide, and is about 9000 ft in length.

2/15/39 Resumption of operations at Groom Mine is planned by the California Engels Min. Co, San Francisco. Looking towards shipping ore in 60 days. During past 2 Mo. installed camp and mining equipment, and Middleton shaft has been cleaned and retimbered to the 350 ft level. "The mine is said to contain three parallel veins within a distance of 70 feet in which are 88,000 tons of proven and probable oxidized gooson ore, claimed to run from \$5.00 to \$50.00 per ton in gold with an average of \$9 to \$11.00." Hope to block ore for a 250-500 Tpd mill. Roger L. Beals, Wickenburg, is directing operations. Equipment worth \$90,000, at the old Engels Mine in Calif, can be used at the Groom Mine.

MILVORE COPPER CO FILE - Groom Mine

One Newspaper clipping - only thing in file.

10/15/36 - Notes Roger Beals making shipments of conc. from the Groom Mine.

From AZ Dept Min. Resources Files

GROOM MINE

BLACKROCK OR CONSTELLATION DIST

YAVAPAI Co. ARIZ

Also Indexed w/ Texas Chief file

Notes of office visits to PHX office

1/27/84 Harold and Beverly Best, Crest Resources, brought in a geochemical Report on the Amazon Claims which includes the Patented claims Texas Chief and Copper Prince

6/17/80 Steven Stillion, Wickenburg, works w/ Matt Laxton, P.O. Box 1632, Wickenburg, on the Groom Claims. Mr Laxton represents the claims for his mother, owner.

12/15/80 Mrs Eddie Balmes, Box 2524 St. Johns, AZ 85936, looking for information on Texas Chief and Copper Prince. She said her husband had an undivided  $\frac{1}{2}$ , purchased for Taxes about 10 years ago. Did not know who owned the other  $\frac{1}{2}$ .

"Mine Owners Report" - 2/17/41 -  
Texas Chief and Copper Prince

— A brief description of workings, claims, and copy of ~~ore~~ ore shipment.

- ① A. F. Boshe, 2 claims  $40\frac{3}{4}$  Ac.
- ② One Tunnel 180 ft, 12 to 18 openings, badly caved
- ③ "Wickenburg and Prescott ore Market"  
29,443 lbs (Mist 2.4% - 706 lbs)  
Dry wt 28,737 # (14.37 Tons)  
0.14 oz/ton Au  
- 0+ Ag (Assay: None)  
7.15 % Cu

- ④ Location of Texas Chief/Copper Prince:  
Gold Bar lies to the SW  
Valentine prop. on the East side  
Groom Mine is to the Southeast

- ⑤ Reported to lie "on strike" NW of Groom Mine. See pg 3 of Notes

Notes - P. 13 Bureau Mines Bull 125  
 the Mineral Industries of Ariz - L. B. Tenney 1928

P. 71 " Groom prospect. - This prospect is about 15 miles  
 northeast of Wickenburg, ..... The country rock is  
 coarse pre-Cambrian granite. Work is underway  
 prospecting the downward extension of a large vein  
 outcrop of copper stained gossan. "

Groom prospect (ASSR)

Mgr: J. Knuth Schmidt Jr. - Tucson  
 Superintendent: L. R. Beale - Wickenburg

2nd report of Mineral Industries - 1932

Groom prospect Not Mentioned

# U.S. Mineral Resources Yearbooks (Black Rock Dist)

Green Mine

for Year		Black Rock Mining Dist.				
1931	1930	800 Tons				
1932-33	1931	6 prod.	186 Tons	\$ 3,589 Au	\$ 195 Ag	413 <sup>#</sup> Cu
1934	1932-33	13 prod	197 Tons	266 O <sub>3</sub> Au	1,123 O <sub>3</sub> Ag	2,109 <sup>#</sup> Cu (mostly from Gold Bar Mine)
1935	1934	13 prod	693 Tons	208 O <sub>3</sub> Au	5,278 O <sub>3</sub> Ag	28,937 <sup>#</sup> Cu (Green also produced mostly Cu Ore from Monte Cristo Green also produced)
1936	1935	No Breakdown				
1937	1936	16 prod.	2 906 tons	242 O <sub>3</sub> Au	19,949 O <sub>3</sub> Ag	71,687 <sup>#</sup> Cu
1939	1938	14 prod	172 Tons	272 O <sub>3</sub> Au	9,117 O <sub>3</sub> Ag	10,755 <sup>#</sup> Cu (Mostly Cu Ore from Green & Paydirt)
	1937	16 prod	572 Tons	134 O <sub>3</sub> Au	1150 O <sub>3</sub> Ag	13,529 <sup>#</sup> Cu (Mostly Rich Au Ore from Gold Bar)
1940	1939	— Nearly all ore from Black Rock Dist come from Verde & Turtle Mines				

SW Day 3, 6 V. many 1982 1983  
 NW GB 84-87 NICOR Mineral 1982 1983 Sec 2  
 N $\frac{1}{2}$  GB 88  
 NE GB 89-90  
 W $\frac{1}{2}$  GB 96-99  
 E $\frac{1}{2}$  GB 101-104  
 SW GB 110-113  
 S $\frac{1}{2}$  GB 114  
 SE GB 115-118  
 SE GB 118  
 SW GB 122-125  
 S $\frac{1}{2}$  GB 126  
 SE GB 127-130

2341 S Frickman #12  
 GB Group also  
 in 8N 3W / 3, 10  
 9N 3W / 27 & 34, 35

1982 1985

NW Blue Glory 2 Joe Kotvas & Jack Oliphant 1983 1985  
 " " 3 " " " "

Joe Kotvas 2502 James Rd #60  
 Jacksonville FL 32201

Blue Glory 1 3NW  
 2 3NE, 2NW  
 3 3SE, 2NW  
 4 3NE  
 5 3NE

also claims in 9N 3W, Sec 16 & 21

Blue Glory 1-5 overlap Sec 2 & 3  
 NW & NE

Jack Oliphant

Wickenburg Az 85358  
 and 7823 N Church St Tampa FL 33614

T W R 3 W Sec 1

1910

Pittsburg 3, 16, 17, 18

Rebel No 1 & 2 (1960)

Rainbow

(1954)

Branson, Grace and

and Brown, Charles

Sec 1 SE

Sec 1 SW

1, II, III, IV

Rain 1, II, III, IV

Hawk 1, II, III, IV

Michael 1, II, III, IV

Lisa 1, II, III, IV

Harley 1-IV

Easter Sunday 1-IV

Pop 1-IV

Joey 1

Trish II

Laura I, II

Laura III

Laura IV

Pop IV

Quail I

Jun 1-IV

Hot

Catm

Humid

Pop 1-IV

Windy

Sec 1 SE

Sec 1 SW

Sec 1 NW

Sec 1 NE

Sec 1 SE

E 1/2

SW

NE

NW

SW

SE (Plover)

SE

SE

NE

SE

SE

SE

SE

NE

Blind Man's Foot  
Pittsburg 1984

Grass Mine

1985

1985

Grace Branson

P.O. Box 2175

Wickenburg, AZ 85358

Charles Brown

11067 Pleasant Valley

San City, AZ 85351

Rainbow, Grover

1985

P.O. Box 2175

Wickenburg, AZ 85358

1980

1982



ARZ. Rept Min Res. - Mine file (Cont)

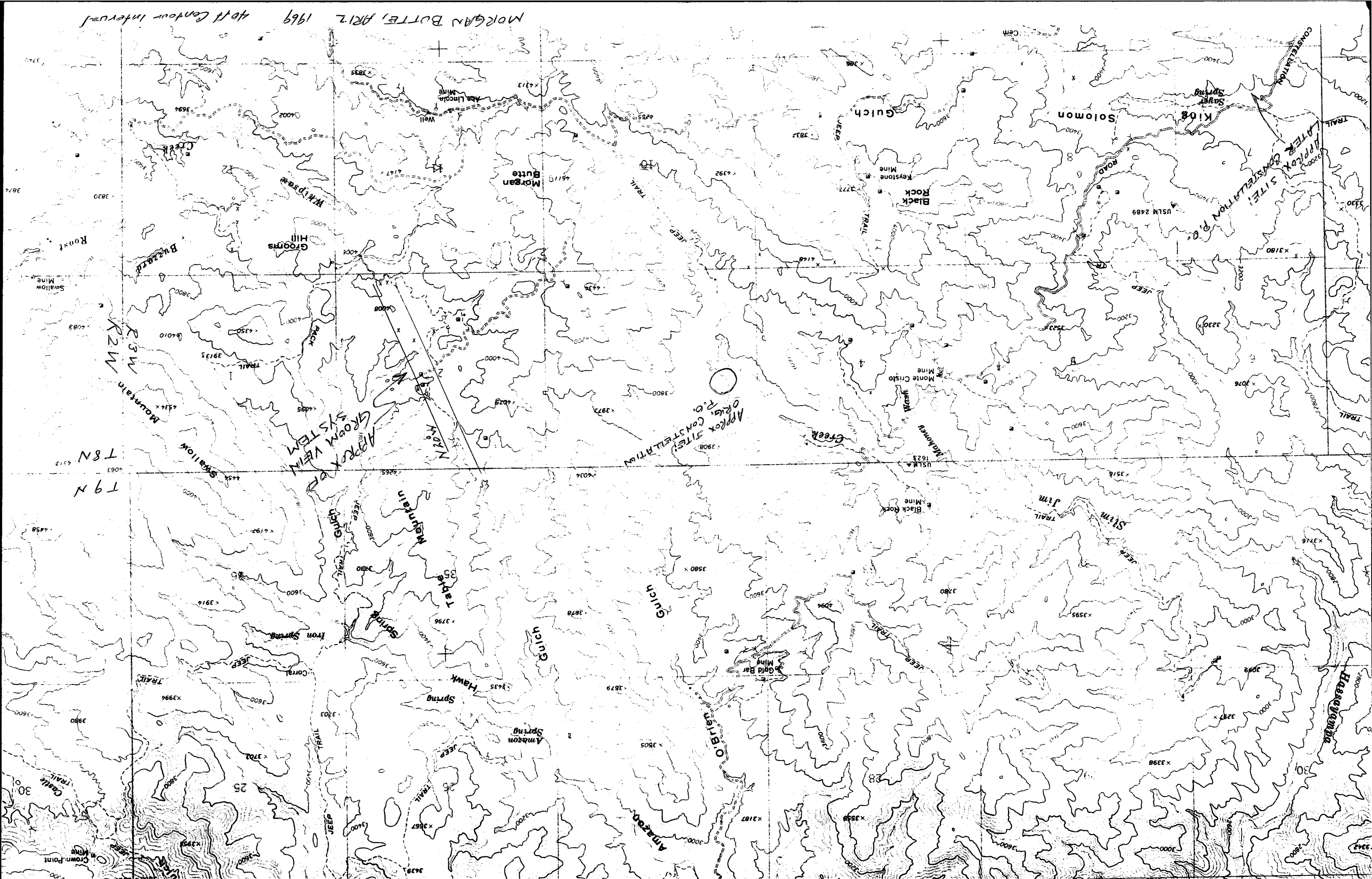
From Mine Owner Report 2/11/91 (Texas Chief claim); An ~~other~~ Report  
(A 1 1/4 page typed report by N.S. Oberon of Wickenburg.)

"The Groom Mine is on the same ledge that is shown on the Texas Chief and Copper Prince. Groom Mine has 10,500 feet of ledge. AS & R has drilled 3,600 ft of this ledge. Deeper hole was 1800 ft. It was all in ore. They drilled through the secondary enrichment just below the permanent water level and the values increased in the sulfides considerably. On the proof of this drilling, they sank a 500 ft shaft, built a two mile road, and set up a 45 ton mill."

(Oberon gives a general geologic description, but he does not appear to be knowledgeable - the above quote is all I copied, for whatever it may be worth - JEK)

Excerpt from "Report to the Governor of Ariz, 1899"

"The copper claims known as the Amazon Group are upon Castle Creek. Known as the property of Bob Groom. It is reported that the large ferruginous outcrops assay well."



MORGAN BUTTE, APR 12 1969

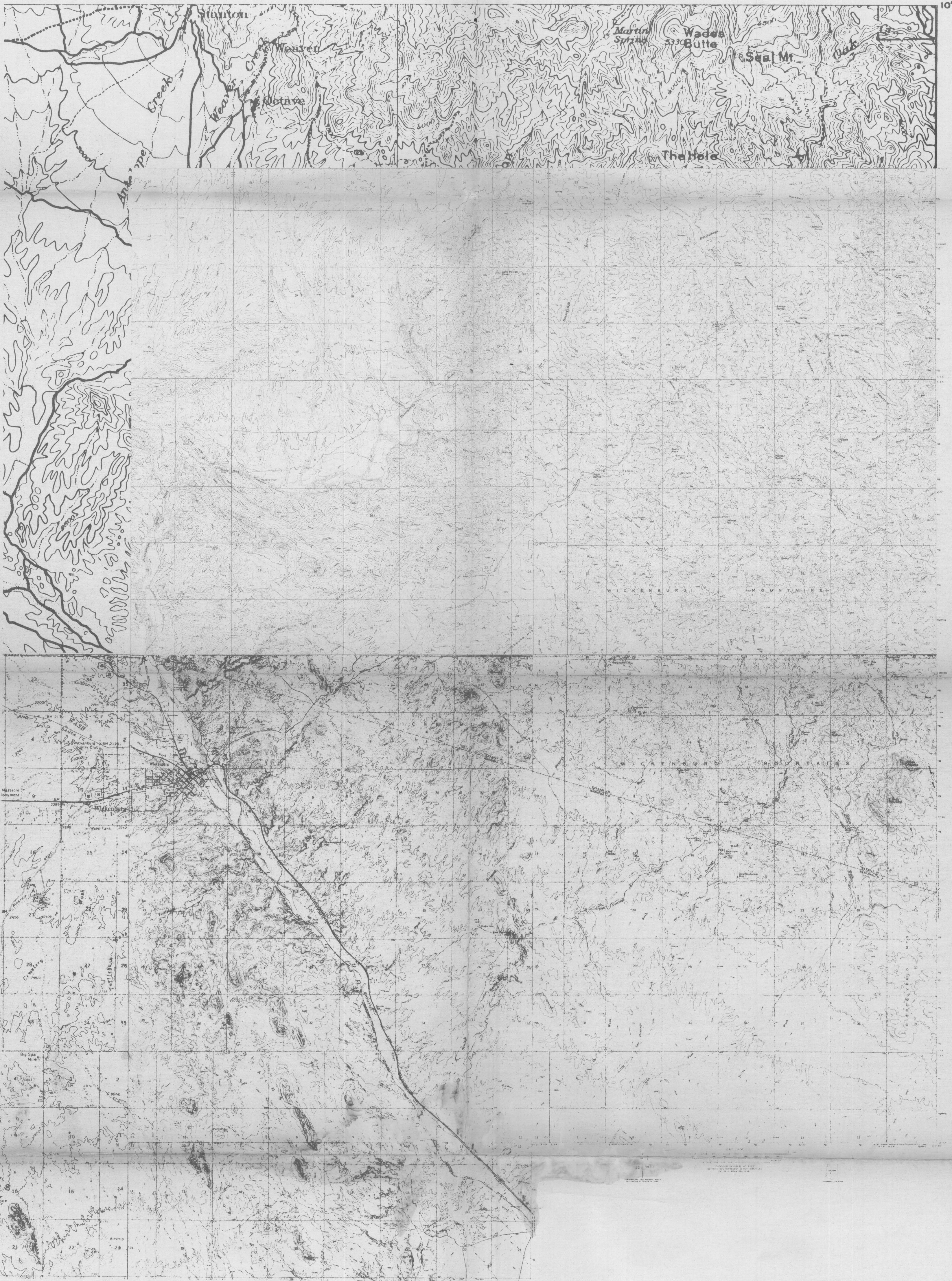
APPROX SITE!  
O.R.G. CONSTELLATION

GROOM VEM

T8N  
T9N

R2W  
R3W







1/27/84 Harold and Beverly Best, Cert Resources,  
brought in a geochron report on the Amazon claims  
which includes the Patented claims Texas Chief and  
Copper Prince (Note: Texas Chief & Copper Prince are reported  
on strike on NW of Groom Mine in subsequent entry, see) ← Groom Mine? see

6/17/80 Stephen Stillman, Wickenburg, works w/ Matt Loxton,  
P.O. Box 1632, Wickenburg, on the Groom claims. Mr  
Loxton represents the claims for his mother, owner.

12/15/80 Mrs Eddie Palmer, Box 2524 St. Johns, AZ 85936,  
looking for information on Texas Chief and Copper Prince.  
She said her husband had an undivided  $\frac{1}{2}$ , purchased  
for Texas about 10 yrs ago. Did not know who owned  
the other  $\frac{1}{2}$ .

Mine Owners Report 2/17/41 - Texas Chief and  
Copper Prince

Owner: A. F. Bohse, 2 fuel claims, 40  $\frac{3}{4}$  ac.  
one Tunnel 180 ft, and 12 to 18 openings, fully covered.

"Wickenburg & Prescott Ore Markets" Report.

Lot 428 - Ore  
29, 443 163 (Moist 2.4% - 706163)  
Dry wt 28,737 ~ 14.37 tons

Assay 0.14 g Au  
None Ag  
7.15% Cu

Attachment

A description of Texas Chief & Copper Prince -

Gold bar located to SW  
Valentine property is on the east side  
Groom Mine is on the Southeast

Attachment

( )  
Cont



P 64

copied

Ariz Burr Mines Bull 137

Groom Mine

Black Rock Dist

Az Lode Gold Mines 1934

Gold Bar (O'Brian) Mine is 2.7 mi ~~west~~ NE of Constellation  
Groom Mine also known as the Mileover Mine.

Loc: Headquarters of Amazon gulch, "7 mi by Road NE of the  
Constellation Rd, about 16 mi NE of Wickenburg." (This is prob  
a ref. to the later Constellation P.O. Site near King Sol. Gulch, where good lead ~~found~~ <sup>is</sup>)

AS&R prospect by a 500 ft shaft and  
considerable diamond drilling.

Country rock is granite, complexly faulted.  
Principal mineralization in 2 near vertical  
veins, 250 ft apart, st N 20° W, with surface trace  
of more than a mile. Consist of hematite, lim., and  
fine-gr quartz, with chrys., malachite, and copper pitch.

Eastern vein, strongest mineralization, 3-6 ft wide and  
in places punches out.

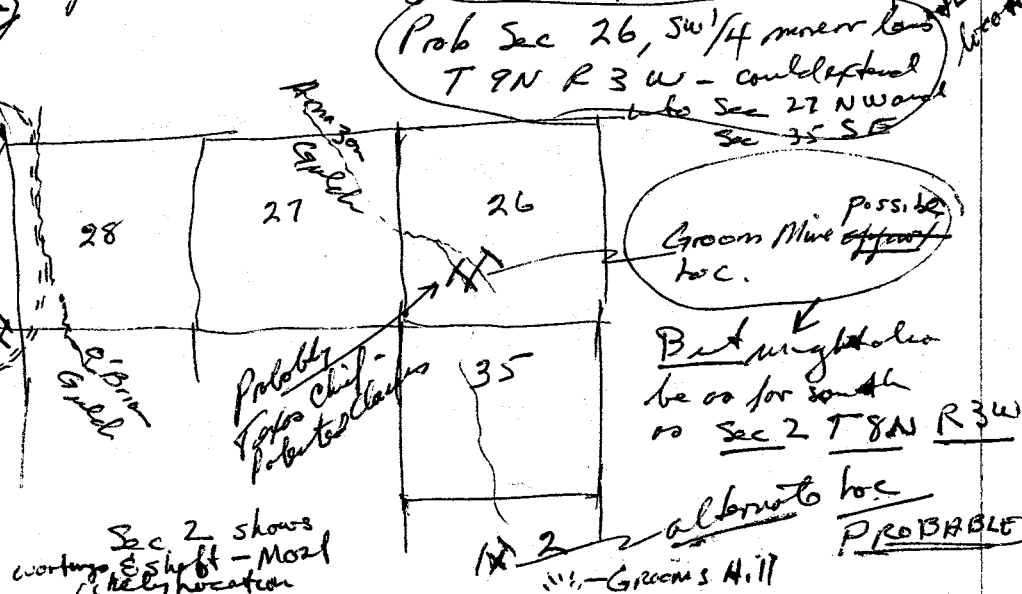
1934, <sup>RL</sup> Beals and assoc. working the eastern vein, treated  
in a 30 typd plant with amalgamation plates & tables.  
Ratio of Au:Ag is 7:3.

Location uncertain -

3 mi east of Monte Cristo Mine (Newsp clipping - which see)  
Gold Bar to the SW of Texas Chief, and Groom Mine is on  
~~and Texas Chief~~ Southeast of the Texas Chief, on  
the same ledge - [which apparently strike N 20° W, and  
would run parallel with Amazon Gulch] (see: Mine above report & other loc above)

Prob Sec 26, SW 1/4 more land  
T 9 N R 3 W - could extend  
into Sec 27 NW and  
Sec 35 SE

Note - The original  
Constellation as a P.O.  
was actually in S. 1/4 in Grant,  
just W. of the saddle separating  
from O'Brian Gulch, in a. 1/4  
of Sec 3, 1 mi E of the  
and 1.2 mi NE of Morgan Butte  
later it was apparently situated  
near K. Solomon's Gulch, 3 mi to  
west of the country rd  
1 1/2 Constellation Bar  
mi. Monte Cristo



From Topo Map -> Constellation (Site)  
is about where King Solomon's  
wash crosses the Constellation Road.

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Black Rock or Groom Mines  
Constellation (Wickenburg)  
Dist. Yavapai Co. AZ

JEK Notes - Ariz Bar of Mines - Mine file: Groom Creek  
M & M Co

This file contains 3 news clippings on the Groom  
Creek property near Prescott, and 2 clippings on the  
Groom (Constellation) - - evidently mis-filed

(There is no other Groom Mine file. The near by Monte Cristo  
mine, Cu with Ag & Au, contains a large file - ~~probably~~ largely

because of promotional activity and litigation in the 1920's.  
The Monte Cristo was formerly the O'Brien Mine

Groom Mine  
Newsclippings.

5/14/27

The old Groom property being operated by AS & R,  
is developing its system of veins and Tom Frazier, contractor,  
in charge of sinking a 1000-ft shaft.

Roger S. Beale arrived to act as superintendent.

The Groom Mines about 16 mi Northeast of Wickenburg  
in the "lost belt", about 3 mi east of Monte Cristo Mine.

Outcrop of vein averages 40 ft wide, and about 9000 ft  
in length.

2/15/39

Resumption of operations at Groom Mines is planned  
by California Engels Min Co, San Fran. Looking towards  
shipping ore in 60 days. During past 2 mo installed Camp  
and Min. Equip, and Middleton shaft has been cleaned and  
re-linced to the 350 ft level. The Mine is said to  
contain three parallel veins within a distance of 70 feet  
in which are 88,000 tons of proven and probable oxidized  
gossan ore, claimed to run from \$5 to \$50 per ton  
in gold with an average of \$9-11

Hope to block out ore for a 250-500 tpd mill.

Roger L. Beale, Wickenburg, is directing operations.

Equipment worth \$90,000, at the old Engels Mine in Calif,  
can be used at Groom.

Milvare Cop. Co file - One Newspaper clipping - 10/15/36 - Beale making shipments of Ore.

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ADMR - Groom Mine file

P 2

Danry Texas Chert cont

" The Groom Mine is on the same ledge that is shown on the Texas Chert and Coppermine. Groom Mine has 10,500 ft of ledge. AS & R has drilled 3,600 ft of this ledge. Deepest hole was 1300 ft. It was all <sup>in</sup> ore. They drilled through the secondary enrichment and below the permanent water ~~table~~ level and the values increased in the sulphides considerably. On the proof of this drilling, they sank a 500 ft shaft, built a 2 mile road, and put up a 45 ton mill "

The above quote from a 1 1/4 page report by W.S. Oberan of Wickenburg.

He gives general geologic description etc, but does not write knowlegably.

From Report of the Governor of Ariz 1899 -

"The copper claims known as the Amazon Group are upon Castle Creek ... known as the property of Bob Groom.

It is reported that the large ferruginous outcrops assay well "