



CONTACT INFORMATION

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07/25/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: PLATA GRANDE

ALTERNATE NAMES:

CONN CLAIM GROUP
GOLD NOTE GROUP
OLD TIMER
IRON DUKE
GUYNNE PLACE

YAVAPAI COUNTY MILS NUMBER: 1122

LOCATION: TOWNSHIP 12 N RANGE 1 W SECTION 8 QUARTER NE
LATITUDE: N 34DEG 24MIN 00SEC LONGITUDE: W 112DEG 23MIN 00SEC
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER
GOLD
LEAD

BIBLIOGRAPHY:

ADMMR PLATA GRANDE MINE FILE
LINDGREN, W. ORE DETPS JEROME & BRADSHAW MTN
QUADS USGS BULL 782 1926 P 151
COE AND VAN LOO INFORMATION

PLATA GRANDE MINE

YAVAPAI COUNTY

USGS Bull. 782 p. 151 (Gold Note Group)



PHOENIX, ARIZ
JUL 10
7-PM
79 58



REASON CHECKED
Unclaimed Refused
Unknown
Insufficient address
Moved, Left no address
No such office in state

Do not remain in this envelope
Mr. C. E. Coldwell

~~21 North Fourth Avenue~~
~~Glendale, Arizona~~

fund exp/ps

PHOENIX, ARIZ
JUL 14
7-PM
79 58



gone no address

Mr. George W. Walters
1059 Iron Springs Road
Prescott, Arizona

REASON CHECKED
Unclaimed
Unknown
Insufficient address
Moved, Left no address
No such office in state

Do not remain in this envelope

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

July 10, 1958

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

<u>Plata Grande Mine (Yavapai County)</u>	<u>lead, silver, gold</u>
(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

George W. Walters
1059 Iron Springs Road
Prescott, Arizona ✓

Dec. 7, 1949

Mr. Roger L. C. Manning
Department of Mineral Resources
Phoenix, Arizona.

Dear Mr. Manning,

The papers you sent me
December 6 are the ones which I left
with Mr. McEwen before he died and
the ones which I have been seeking.

I greatly appreciate your returning
them. Thank you very much.

Sincerely,
G. W. Walters.

P.S. If you know any one who might
be interested in this kind of property claim
open for a deal

Thank you again
G.W.

December 6, 1949

Mr. George W. Walters
1059 Iron Springs Road
Prescott, Arizona

Dear Mr. Walters:

Since writing you on November 3rd Mrs. Nebeker has sent in some additional files which were in Mr. Nebeker's possession. In going through these we have located what I believe is the report you were seeking. It is enclosed herewith.

If it is not the report you wanted we will appreciate your returning it to us.

Yours very truly,

Roger I. C. Manning
Office Engineer

RICM:mh

November 3, 1949

Mr. George W. Walters
1059 Iron Springs Road
Prescott, Arizona

Dear Mr. Walters:

Mr. Charles F. Willis has referred your letter of October 24th to us for reply. I very carefully went through Mr. Nebeker's papers last June and filed those which I thought would be of interest to the mining industry.

Since receipt of your letter I have gone through them again and am sorry to report that we do not have the papers you seek. However, in our files I did find a report on the Plata Grande, a copy of which is enclosed.

Yours very truly,

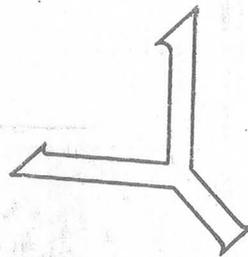
R. I. C. Manning
Field Engineer

RICM:mh

Roger

October 25, 1949

Mr. George W. Walters,
1059 Iron Springs Road,
Prescott, Arizona.



Dear Mr. Walters:

I have your letter of October 24 relative to some papers of yours which Mr. Nebeker had in his possession at the time of his death.

I have nothing whatsoever to do with Mr. Nebeker's affairs but I am passing your letter along to C.H. Dunning, Director of the Department of Mineral Resources, Mineral Building, Fairgrounds, Phoenix. Mr. Nebeker was employed by this department at the time of his passing. It is possible that they will be able to help you locate your papers.



Very sincerely,

Charles F. Willis
State Secretary

CFW:VSW

cc: C.H. Dunning

George W. Walters
1059 Iron Springs Road
Prescott, Arizona

October 24, 1949

✓
Mr. Charles F. Willis

Dear Sir,

When Mr. Webeke died, he had in his possession some papers belonging to me. They were reports on the old "Gold Note" mine. The mine, now known as the "Plata Grande" now belongs to me and has been in my possession for several years. He had the papers because he was going to try to interest a mining man in the property. The papers were in a brown envelope with my name and address written on it. Could you help me to recover these reports?

Sincerely
G. W. Walters

XXXXXXXXXXXXXXXXXX

518 Title & Trust Bldg.

April 1, 1942

Messrs. C. E. and J. R. Coldwell
21 North Fourth Avenue
Glendale, Arizona

Gentlemen:

I am enclosing a copy of Mine Owner's Report filed with this department covering the PLATA GRANDE MINE in Yavapai County, to which has been attached engineer's report.

I shall be glad to submit this report to anyone making inquiry for a property such as yours.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal

JSC:LP
Enc.

SHATTUCK DENN MINING CORPORATION
and
SUBSIDIARIES

*Patricia
Harris*

Humboldt Office

Date August 25, 1966

TO: Mr. C. R. Sundeen

SUBJECT: MR. CHARLES CONN
The Navajo Motel
115 E. Sheldon St.
Prescott, Arizona

FROM: J. N. Mayor

TYPE: Silver, lead.

TERMS REQUESTED: Not discussed.

LOCATION:

The group consists of eleven claims in unsurveyed territory, situated on the south slope of Mt. Union at an elevation of approx. 6400'. The Senator Highway passes within a mile of the property and an access road joins the highway at a point approx. one mile E. of Palace Station.

GEOLOGY:

The claim group appears to be underlain by dioritic rocks possibly intrusive into chloritic schists.

The diorite is the host for the known veins. The rock is greenish-grey in color m-gr and "dioritic" textured. Jointing and fracturing are common with one prominent joint set striking N30°E and dipping 45°SE. The fractures are commonly limonitic and increase in intensity towards the vein contacts.

Local aplite dykelets, 6"-10" wide, occur in the diorite striking N 115°E and dipping 70°NW.

Continuity is not proved, but there appears to be four parallel veins exposed to date on the claim group striking N45°- 60 E and dipping 75°- 80°SE.

These are from W to E:--The Gold Note (and Gold Note extension, The Old Timer, Iron Duke. A single exposure on an unnamed vein between the Gold Note and Old Timer makes the final member.

The dimensions of the zone encompassing these known veins is approx. 600' wide and a possible strike length of 3000'.

VEINS & SAMPLING:

All of the "vein" exposures presented an identical appearance--a central 6"-12" vein with a variable width of sheared and fractured rocks (diorite?) adjacent both the F.W. and H.W.

The central vein appears to be very strongly leached leaving a creamy-white, soft friable, "chalky" material that may be a carbonate.

Black streaks and fractures of a manganese bearing mineral are usually present and may locally impose a "pseudo-breccia" appearance to the vein.

Locally very minor galena veinlets, less than 1/8", are present and usually accompanied by black manganiferous material.

Along the back of the workings on the Old Timer, a persistent 1/8"-1/4" fracture carrying galena and manganese can be traced for approx. 35'. This fracture shows no preference for either wall but rather appears to wander through the vein.

Many fine reddish limonitic fractures are present in the veins.

Adjacent the central vein is usually 4' ± of sheared and leached rock shattered by fine limonitic fractures. Much limonitic ochre may be present immediately adjacent the central vein. The intensity of this sheared and fractured zone decreases with increasing distance from the central vein into the surrounding diorite.

In two exposures narrow grey quartz veining is present on the F.W. side and, at the workings on the Old Timer, contain fine black tourmaline needles.

Sampling was carried out on both the narrow central vein and the adjacent wall rocks:

<u>Sample No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>
12742	<u>Gold Note ext: 8" central vein</u>	Tr	Tr	Tr
12743	6" N ct schist	Tr	Tr	0.10
12744	1' S ct. schist	Tr	Tr	Tr
12745	<u>Old Timer: 2.5 vein zone</u>	Tr	0.3	Tr
12746	<u>Old Timer Workings:</u>			
	12" central vein	0.03	4.9	0.70
12747	12" H.W. shear	Tr	Tr	0.16
12748	12" F.W. shear & qtz	Tr	Tr	Tr
12749	<u>Gold Note Workings: 12" central vein, much manganese</u>	Tr	Tr	Tr
12751	<u>Vein between G.N. & O.T.: 12"</u>	0.02	1.4	0.60
12753	<u>Iron Duke: 6" central vein</u>	Tr	Tr	0.10
	grab from ore pile;	0.03	2.0	0.80
12752	grab from ore pile near old shaft site on High Voltage claim.	0.03	2.7	3.1
12750	Old Timer near Spanish Workings: 7" vein & 7' schist.	Tr	Tr	0.10

HISTORY AND DEVELOPMENT:

The claim group appears to have been worked intermittently since 1880. Reports on the production are sparse, but it appears that a total of 950' of drift, shaft, and winze was excavated.

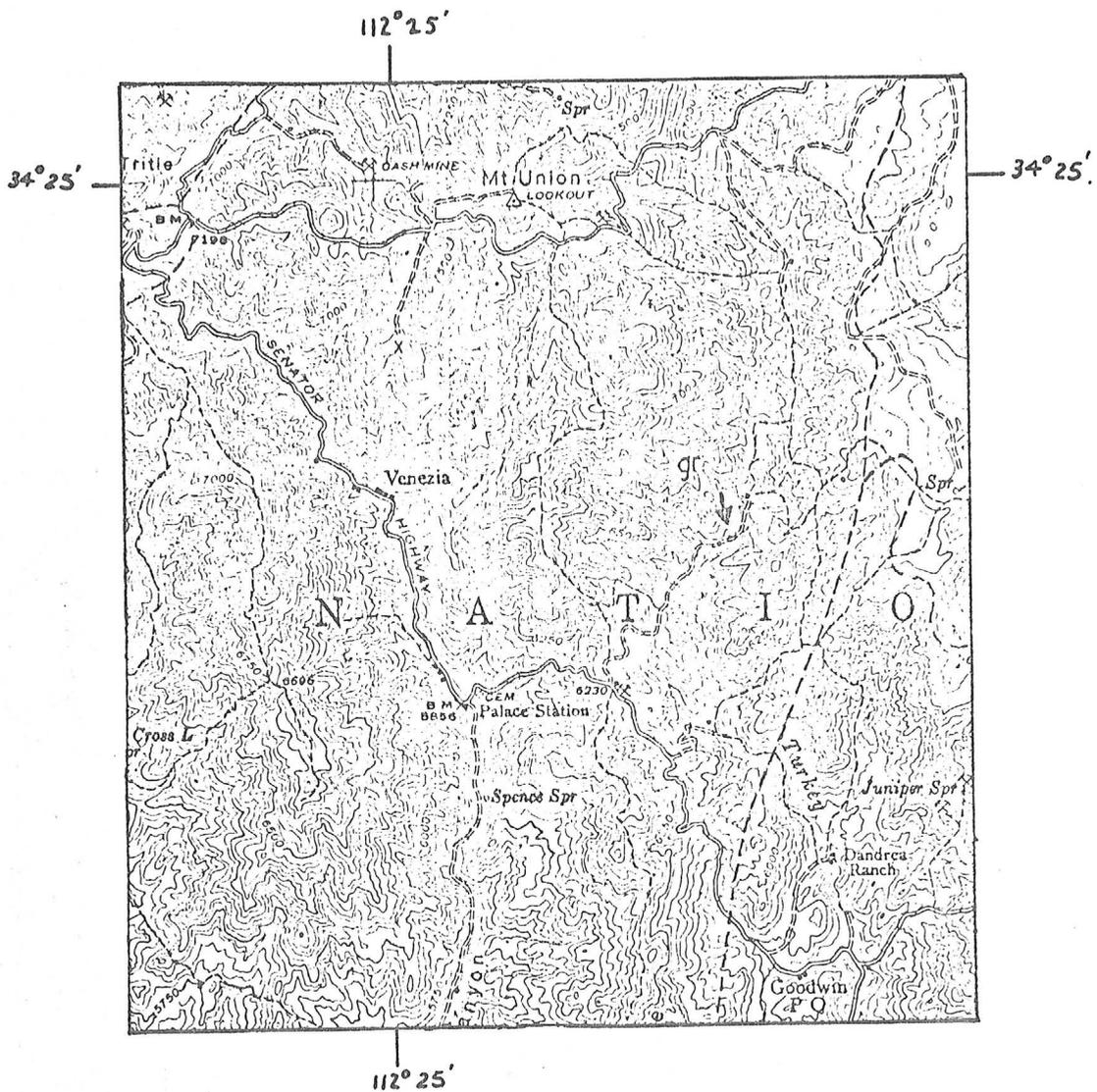
Some of these workings were visited by the writer and the vein zones were observed to be continuous. However, a very small percentage of the lateral work was stoped.

CONCLUSIONS:

- (a) The narrow veins represent fissure fillings within restricted zones of shearing in a diorite mass.
- (b) The veins are regular in stroke and proved continuity in old workings.
- (c) Only a small % - age of the workings have been stoped and samples taken by the writer indicate lean values for the greater part of this exposed length.
- (d) The values of "ore-grade" appear to be confined to the late fracture carrying galena which may have attained widths of 1" or more in the areas stoped.
- (e) Although other "swellings" of the galena stringer may occur both along strike and with depth, it is difficult to visualize this environment producing sizable tonnage to justify a large scale operation.

RECOMMENDATIONS:

It is recommended that Shattuck Denn Mining Corporation take no further interest in this property.



Location map for Conn claim group.
 [Gold Note Mine].

Scale 1" = 1 mile.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date: February 9, 1942

1. Mine: PLATA GRANDE MINE
2. Location: 1 mile from Senator Highway - 16 miles from Prescott, Arizona.
3. Mining District & County: Prescott Mining District, Yavapai County
4. Former Name: Gwynne Group
5. Owners: C. E. and J. R. Coldwell
6. Address (Owners): 21 North Fourth Avenue, Glendale, Arizona.
7. Operator: Not operating.
8. Address (Operator):
9. President, Mining Co:
- 9A. President, Operating Co:
10. Gen. Mgr:
14. Principal Minerals: LEAD, Silver, some Gold.
11. Mine Supt:
15. Production Rate:
12. Mill Supt:
16. Mill - Type & Cap:
13. Men Employed:
17. Power - Amt. & Type:
18. Operations - Present:
19. Operations - Planned:
20. Number Claims, Title, etc: Four Claims; five acre mill site - unpatented.
21. Description - Topography & Geography: Southern slope of Mt. Union at an elevation of about 6,000 feet. Headwaters of Turkey Creek in Turkey Creek Mining District. Mountainous - covered with live pine, oak, juniper and walnut timber. Turkey Creek flows across property.
22. Mine Workings - Amt. & Condition: One shaft 250 feet deep on vein
An adit tunnel on vein 350 feet in length intersects the shaft 100 feet below collar and 200 feet from portal. A drift on vein 150 feet long, 75 feet below adit tunnel No. 1; a winze 50 feet deep at breast of last mentioned drift, drift south on vein 40 feet. About 200 feet of drifts on other claims. All workings are on ore.

(over)

23. Geology & Mineralization: Veins occupy a system of fissures in diorite. Gangue is aplite, soft, friable, straight, laminated sericitic and of light specific gravity. Vein material has the appearance of schist, same as United Verde at Jerome. Streak of galena and oxidized ore running through this mass that is high grade lead, silver and some gold. Vein matter contains manganese, siderite and oxide of iron.
24. Ore - Positive & Probable, Ore Dumps, Tailings: Several thousand tons. All work in ore so that dumps should be good milling grade.
- 24A. Dimensions and Value of Ore body: Ore varies from 3 to 4 feet in width up to 40 feet in width of mineralized zone. High grade shipping ore in lenses with mill ore between lenses.
25. Mine, Mill Equipment & Flow-Sheet:
26. Road Condition, Route: Good road, except in heavy snow.
27. Water Supply: Turkey Creek. One developed spring - can be pumped.
28. Brief History: First owned by Turkey Creek Gold & Silver Mining Co. in early eighties. Second - owned by George Ramsay Gwynne. Have full report made in 1925 by Francis H. Clark of Los Angeles, Cal.
29. Special Problems, Reports Filed:
30. Remarks: By driving a short tunnel lower down - about 200 feet (on ore), will give you a depth of 700 feet. Put in a mill and concentrating plant and it will pay dividends.
31. If property for sale - Price, terms and address to negotiate:
\$10,000.00 terms, or will lease to responsible parties.
32. Signature: (Signed) J. R. & C. E. COLDWELL
21 North Fourth Avenue,
Glendale, Arizona

COPY

(Plata Grande Claims are the heart of this group. Very little real mining has been done since this report was made. Balance of claims may be had for locating).

GOLD NOTE GROUP OF MINING CLAIMS

This group of claims is in the Bradshaw Range of mountains and on the southeastern slope of Mt. Union in the Turkey Creek Mining District, Yavapai County, Arizona, and about 16 miles southeast of Prescott, the county seat. This group contains ten mining claims and one mill-site, to-wit: Iron Prince, Little Billy, Old Timer, High Voltage, Gold Note Extension, Gold Note, Edith Whitaker, Iron Queen, Iron Duke, Helen Adams and the Gold Note Mill Site.

The Rush Henry Claim is about 4,000 feet to the southwest of the Gold Note group and was located by Mr. C. W. Stender to cover certain water rights (see surface Map No. 5).

This group of claims range in altitude from 6300 feet to about 7,000 feet above sea level and can be developed by tunnels from five hundred to seven hundred feet in depth.

ACCESSIBILITY

The highway from Prescott to Crown King passes within about one mile south of the property, with an old wagon road to the group, but would have to be repaired before it could be used. There is another old road from the property to Poland, a station on the Big Bug railroad, and is about 4 miles to the north of the property, and in my opinion is the road that should be opened, of which I shall refer later.

TOPOGRAPHY

While the country is mountainous, it is covered with timber, consisting of pine, oak, walnut and juniper, which can be used for fuel and ordinary mining purposes, but not for building or construction. Turkey Creek runs parallel to and across the south end of the Gold Note mill-site and the Gold Note Extension and Little Billy claims.

VEINS

The veins vary in width from two to four feet and in places to many feet; the strike of the vein is northeast and southwest and can be traced for many miles, with a dip to the east. The lead occurs in the form of carbonates and sulphides. The upper, or oxidized ores, contain a good percentage of lead carbonate with bundles or kidneys of galena occurring throughout the oxidized zone. With depth would look for larger bodies of high grade ore.

All of the carbonates will have to be concentrated or while the galena can be mined and shipped without milling. The high grade ores that have been mined have been shipped to the smelter, and they claim with good values.

WORK

All the claims show more or less development work, principally in shallow shafts, open cuts which show the vein to be continuous carrying values. This work was for the purpose of assessment on various claims, except the Old Timer and Gold Note Claims. These two claims are parallel and join along side lines with two separate and distinct veins, which may join on the High Voltage.

Workings on the Old Timer consist of two tunnels, both of which are on the north slope of the ridge, near the north end of Old Timer claim. The upper tunnel was driven many years ago and is claimed to have produced a large tonnage of high grade ore, ranging in values from 50 to 70% in lead and from 100 to over 400 ounces in silver. This tunnel being run years ago, and caved in, it was impossible to get in for examination but the lower tunnel has been driven in recent years about 200 feet only 45 feet below the old tunnel, while this latter tunnel shows a continuous vein for the entire length from 2 to 4 feet of milling ore, but no galena which was taken from the upper tunnel.

I am of the opinion that the upper tunnel was driven on the hanging wall of the vein, while the lower was driven on the foot wall and from the workings on the Gold Note shows that the high grade occurs on the hanging mostly. The Old Timer workings being on the north side of ridge could not be worked until after the Gold Note tunnel has been continued under the crest of the ridge and connected with the Old Timer, except by constructing a road which would not be very expensive. Will refer to this later.

The Gold Note workings consist of a shaft ranging in depth from 270 feet to 300 feet. One main tunnel 350 feet runs on the vein the full length of the tunnel. At a point about 200 feet from the portal of the tunnel it cuts the shaft at a depth of 100 feet from the surface. From the tunnel level down the shaft about 60 feet another drift has been driven on the vein to the north 150 feet with a 50 foot winze at the face of the drift with a good grade of milling ore the full depth of the winze. South of the shaft this drift has been run on the vein 60 feet showing a fine grade of milling ore. By referring to map #3 which shows all the main workings of the Gold Note you will notice that there are many open cuts on this vein showing its continuation both north and south of the workings. I will refer to these workings again under recommendations.

MAPS

Map #1 shows a part of the vein system as it appears on the surface, more particularly to the Gold Note and Old Timer veins. No. 2 represents the Gold Note sampling map, showing the points where samples were taken, while map No. 3 represents the BLOCKS containing the ore in sight ready forming. Map #4 represents the Old Timer workings with points of sampling. Map #5 shows the surface and locations of the claims and mill site, also Turkey Creek in relation to the claims. Map #6 is for the purpose of showing the purposed tunnel on the Gold Note vein to cut the ore at a depth of 175 feet below the present tunnel.

EXHIBITS

Exhibit A represents the number of samples with assay values, while exhibit B shows number of samples, width in feet or inches and point from where taken and exhibit C gives the BLOCK size of block, tonnage in block and number of samples, average assay values per ton and gross value per block.

At time of sampling I was taken sick and had to leave, but Mr. C. W. Stender continued the work and I am sure it was conducted as well as if I had been present.

No.	GOLD		SILVER		TOTAL VALUE	LEAD	Value
	Ozs. per ton	Value	Ozs. per ton	Value	Per ton	%	
1	0.12	\$2.48	2.0	\$1.42	\$3.90	no	
2	.09	1.86	2.0	1.42	3.28	no	
3	0.08	1.65	1.10	.71	2.36	no	
4	0.08	1.65	1.5	1.06	2.71	no	
5	0.10	2.06	2.0	1.42	3.48	5.1	9.50
6	trace		2.8	1.98	1.98	7.2	13.68
7	0.06	1.24	2.8	1.98	3.22	9.7	18.43
8	0.09	1.86	1.5	1.06	2.92	5.2	11.78
9	0.12	2.48	4.5	3.19	5.67	6.9	13.11
10	0.06	1.24	2.0	1.42	2.66	3.7	7.03
11	0.05	1.03	1.5	1.06	3.09	5.5	12.35
12	trace		1.0	.71	.71	no	
13	trace		2.0	1.42	1.42	no	
14	0.05	1.03	2.0	1.42	2.45	no	
15	0.09	1.86	4.5	3.19	5.05	no	
16	0.08	1.65	3.0	2.13	3.78	7.2	13.68
17	0.08	1.65	3.5	2.48	4.13	8.6	16.34
18	0.09	1.86	5.0	3.55	5.41	11.7	22.23
19	0.12	2.48	9.0	6.39	8.87	11.5	21.85
20	0.05	1.03	2.0	1.42	2.45	no	
21	0.10	2.06	4.0	2.84	4.90		
22	0.16	3.30	38.0	26.98	30.28		
23	0.08	1.65	2.5	1.77	3.42		
24	trace		2.0	1.42	1.42		
25	0.18	3.72	37.00	26.27	29.99		
26	0.08	1.65	8.0	5.68	7.33		
27	0.08	1.65	7.0	4.97	6.62	8.7	16.53
28	0.05	1.03	2.5	1.77	2.80	7.9	15.01
29	trace		2.0	1.42	1.42	11.1	21.09
30	trace		2.0	1.42	1.42	12.4	23.56
31	trace		2.0	1.42	1.42	12.3	23.37
32	0.05	1.03	2.5	1.77	2.80	12.5	23.75
33	0.09	1.86	2.0	1.42	3.28	9.8	18.62
34	trace		2.0	1.42	1.42	11.3	21.47
35	trace		2.0	1.42	1.42	10.4	19.76
36	trace		2.8	1.98	1.98	9.17	18.43
37	0.09	1.86	2.5	1.77	3.63	11.6	22.04
38	0.12	2.48	5.0	3.55	6.03		
39	0.06	1.24	14.0	9.94	11.18		
40	0.08	1.65	9.0	6.39	8.04	4.1	7.79
41	0.10	2.06	22.0	15.62	17.68	9.2	17.48
42	0.10	2.06	10.0	7.10	9.16	23.2	44.08
43	0.05	1.03	3.0	2.13	3.16	4.7	8.93
44	trace		2.0	1.42	1.42	6.2	11.78
45	trace		3.0	2.13	2.13	11.4	21.66
46	trace		1.5	1.06	1.06		
47	0.08	1.65	5.0	3.55	5.20	10.2	19.38
48	0.05	1.03	4.0	2.84	3.87	7.3	13.87
49	trace		1.5	1.06	1.06		
50	0.06	1.24	2.0	1.42	2.66	9.2	17.48
51	trace		1.5	1.06	1.06		
52	0.08	1.65	2.0	1.42	3.07		
53	0.05	1.03	2.0	1.42	2.45	3.3	6.27
54	0.10	2.06	3.0	2.13	4.19	3.8	7.22
55	0.08	1.65	3.0	2.13	3.87		

No.	GOLD		SILVER		Total value per ton	LEAD	
	Ozs. per ton	Value	Ozs. per ton	Value		%	Value
56	trace		1.0	.71		no	
57	0.09	1.86	2.0	1.42	3.28		
58	trace		1.0	.71	.71		
59	trace		1.0	.71	.71	6.13	12.07
60	0.08	1.65	2.0	1.42	3.07		
61	0.12	2.48	3.0	2.13	4.61	3.1	5.89
62	0.09	1.86	2.0	1.42	3.28	2.2	4.18
63	0.10	2.06	6.5	4.61	6.67	10.2	19.38
64	0.08	1.65	3.0	2.13	3.78	5.7	10.83
65	trace		trace				
66	trace		trace				
67	trace		trace				
68	trace		trace			3.9	7.41
69	trace		trace				
70	trace		trace				
71	0.08	1.65	2.0	1.42	3.07		
72	trace		trace				
73	trace		trace				
74	0.08	1.65	3.0	2.13	3.78	16.2	30.78
75	0.12	2.48	12.0	8.52	11.00	19.7	37.46
76	0.08	1.65	2.0	1.42	3.07	3.3	6.27
77	0.10	2.06	2.0	1.42	3.28		
78	0.09	1.86	2.0	1.42	3.48		
79	0.09	1.86	2.0	1.42	3.48		
80	0.09	1.86	2.0	1.42	3.48		
81	trace		trace				
82	0.09	1.86	1.5	1.06	2.92		
83	0.08	1.65	1.5	1.06	2.71		
84	0.12	2.48	3.0	2.13	4.61		
85	0.08	1.65	2.0	1.42	3.07		
86	0.08	1.65	2.0	1.42	3.07		
87	0.08	1.65	2.0	1.42	3.07		
88	0.08	1.65	2.0	1.42	3.07		
89	0.08	1.65	2.0	1.42	3.07		
90	0.12	3.48	26.0	18.46	20.94		
91	0.07	1.44	3.5	2.48	3.92		
92	0.10	2.06	7.0	4.97	2.05		
93	0.08	1.65	2.5	1.77	3.42		
94	0.08	1.65	2.8	1.98	3.63		
95	0.09	1.86	2.5	1.77	2.63		
96	0.05	1.03	2.0	1.42	2.45		
97	0.10	2.06	3.0	2.13	4.19		
98	0.08	1.65	3.5	2.48	4.13		
99	0.08	1.65	2.0	1.42	3.07		
100	0.16	3.30	9.0	6.39	9.39	13.2	25.08
101	0.10	2.06	5.0	3.55	5.61		
102	0.09	1.86	3.0	2.13	3.99		
RH#1	trace		trace				
RH#2	0.08	1.65	1.0	.71	2.36		
RH#3	0.08	1.65	2.0	1.42	3.07		
RH#4	0.09	1.86	2.0	1.42	3.28		
Special							
1	0.42	8.68	4.0	2.84	11.52		
2	0.17	3.51	44.0	31.24	34.75	43.8	83.22

EXHIBIT B

- 1 leading from High Voltage to Gold Note 32" wide.
- 2 leading from High Voltage to Gold Note supposed pay streak
- 3 feeder between Old Timer and Gold Note 12" wide
- 4 supposed carbonates 4 ft., sample at same place as #3
- 5 discovery place Old Timer dump 20 ton
- 6 cross cut 55 ft. about 120 ton dump Old Timer south of Gold Note
- 7 tunnel resampling of Gold Note
- 7 screenings on top of Gold Note
- 8 east half on top of gold note deep trench 5 ft. nearer to portal
- 9 west half on top of Gold Note dump 5 feet nearer to portal
- 10 west half way down to face of dump new and deeper trench
- 11 east " " " " " " " " " " "
- 12 open cut dump 200 feet from Old Timer X cross tunnel
- 13 vein matter 10" in opening
- 14 vein iron and manganese 4 feet
- 15 face of Old Timer X cut 18"
- 16 ore and Old Timer dump
- 17 " " " "
- 18 hanging wall in stope Old Timer X cut tunnel sample taken for 20 feet
- 19 over head in stope Old Timer X " " " " vein 16"
- 20 foot wall in stope X cut sample taken for 20 ft.
- 21 under and stope east end of drift Old Timer X cut
- 22 bottom of 200 foot level N side of winze 16"
- 23 half way up in face of north side of winze 16"
- 24 footwall along N side of winze 16"
- 25 bottom near face 12"
- 26 this side of winze 12 ft. from winze 14" thick
- 27 " " 24 " " " 12
- 28 " " 35 " " " 12
- 29 " " 44 " " " 16
- 30 grab sample from pile in drift 10x60x30"
- 31
- 32
- 33
- 34
- 35 fine ore bottom if shaft
- 36 south of shaft 200 Ft. level
- 37 overhead in stope in shaft
- 38 south end Old Timer open cut (special) sand from top ledge
- 39 ledge matter 10 ft. wide
- 40 manganese ore on dump of open cut south end of Old Timer (big body can be
- 41 10 ft. open cut (see ore specimen) uncovered)
- 42 " " " " "
- 43 extreme south end Old Timer 14 ft. (this should be developed)
- 44 10 ft. up from platform in Gold Note tunnel 2½ ft. wide
- 45 20 4
- 46 30 2
- 47 stope this side of shaft
- 48 " " " " "
- 49 " " " " Footwall
- 50 hanging wall 6 in. thick
- 51 air shaft southside white quartz
- 52 north
- 53 portal of Gold Note hanging wall
- 54 face of Gold Note bottom
- 55 center
- 56 top

- 57 ten feet from face 2½ ft. thick overhead
- 58 20 ft. from face 3 ft. thick overhead, qts. intusion
- 59 30 feet from face overhead 3 ft. wide Gold Note tunnel
- 60 25 ft. from face bottom
- 61 35 ft. from face bottom
- 62 40 ft. from face overhead 2½ ft. wide Gold Note tunnel
- 63 50 ft. from face bottom 3 ft. wide Gold Note tunnel
- 64 60 ft. from face overhead 3 ft. wide Gold Note tunnel
- 65 70 ft. from face bottom 1 ft. of ore in h.w. mostly
- 66 80 ft. from face overhead 18"
- 67 90 ft. from face bottom 3 ft. of ore
- 68 10 ft. south of shaft bottom 2 ft. of ore
- 69 20 ft. south of shaft bottom 2 ft. of ore
- 70 30 ft. south of shaft bottom 2 ft. of ore
- 71 40 ft. south of shaft bottom 3 ft. of ore
- 72 50 ft. south of shaft tunnel 3 ft. of ore
- 73 60 south of shaft bottom 3 ft. of ore
- 74 70 ft. south of under stope 2 ft. of ore
- 75 80 ft. south of under stope 18 ft. of ore
- 76 90 ft. south of shaft 5 ft. south of stope
- 77 100 ft. south of shaft 15 ft. south of stope
- 78 5 ft. south of shaft overhead 20 in. of ore
- 79 15 ft. south of shaft overhead 2½ ft. of ore
- 80 25 ft. south of shaft overhead 18 in. of ore
- 81 35 ft. south of shaft overhead 18 in. of ore
- 82 about south of ore shute 26 in. of ore
- 83 iron face of tunnel about 50 ft. in
- 84 iron prince N.E. and small cut dump
- 85 iron prince south of discovery (6 ft. of manganese)
- 86 upper tunnel Old Timer dump sample (tunnel caved in)
- 87 upper tunnel Old Timer dump sample (cross section)
- 88 lower tunnel Old Timer on dump (1 ton)
- 89 lower tunnel Old Timer dump X section sample
- 90 25 ft. from portal Old Timer tunnel bottom 3 ft. vein
- 91 65 ft. from portal Old Timer tunnel bottom 3 ft. vein
- 92 105 ft. " " " " " "
- 93 sample along H.W. Old Timer tunnel for about 50 ft.
- 94 145 ft. from portal Old Timer tunnel bottom north of X cut
- 95 175 ft. from portal Old Timer tunnel overhead south of X cut and winze
- 96 125 ft. from portal Old Timer tunnel overhead
- 97 85 ft. " " " " "
- 98 45 " " " " "
- 99 face of Old Timer tunnel
- 100 north of Gold Note shaft (surface cut) McLaren sample
- 101 at discovery cut of Little Billy, set assay high in gold (sample taken by Gwynne)
- 102 Ruth Hanley #1 -- 3 ft. vein drift discovery
 - #2 upper dump 8 ft. across section sample
 - #3 qts. of 1st. class
 - #4 lower X cut dump
- Special #1 Edith Whitaker -- outcropping
 - #2 shipping ore taken out of lower stope overhead ore still standing

EXHIBIT C

BLOCK A SOUTH

150 x 50 x 2 feet 1442 tons

samples 75 74 73 72 71 69 68 50 48 47 79 81 51
sample value average \$8.99 per ton
gross value of block 12,966.00

BLOCK A NORTH

150 x 90 x 2 feet

samples 54 55 56 57 58 59 62 64 66 51

sample values average \$11.50 per ton
Gross values of block \$13,271.00

LOOSE ORE IN BOTTOM OF SHAFT BLOCK B SOUTH

4.15 TON ORE GROSS VALUE \$5,350.00
samples 47 48 49 50
4.5 x 20 x 6 ft.

LOOSE ORE IN BOTTOM OF GOLD NOTE TUNNEL SHAFT

80 Tons estimate value \$1,624.00
Samples 31 32 33 34 35 36
GOLD NOTE DUMP, estimated 1,600 tons of ore
gross value \$32,000.00
OLD TIMER DUMP estimated 180 tons of ore
gross value \$1,000.00

BLOCK B NORTH

150 x 60 x 2 ft.

samples 54 55 56 60 61 63 65 67 46 44 34 35 32 33 31 30 39 28
27 26 25 24 23 22

Sample value average \$14.45 per ton
Gross value of block \$22,511.00

By referring to Exhibit C you will see there is about 6700 ~~gross~~ tons available for milling with a gross value of over \$88,000.00. I wish to remind you that Mr. Sender, in his sampling, rejected all high grade ores, and confined his sampling to the milling grade ores only. This, I consider, puts him on the safe side. I wish to call your attention to another point, and that is in his estimates of ore in sight he gives only 4 blocks, namely, A north, A south, B south and B north.

The shaft which is about 140 ft. below the lowest point sampled and also a winze 50 feet deep, both of which are in ore, and Mr. Sender, in my opinion, had a right to assume that the ore would have continued at least 50 feet below B north and B south, which would have added at least \$30,000.00 more to his estimate. (see map #3)

ROADS

There are two old wagon roads from the property, one connecting with the state highway from Prescott to Crown King, which is about one mile from the property, and it would cost about \$1,500.00 to put it in shape to transport machinery and supplies to the mine. By using this route there would be about a 15 mile haul to and from Prescott with heavy grades both ways, as you have to cross the range.

The other road is from the mine to Poland, which is about 4 miles to the north, a station on the Big Bug railroad. I was over a portion of this road, but did not see sufficient to base an estimate as to cost, which would require a survey to determine. I would recommend the Poland route, though it may cost more to construct. First, you would save a haul of 11 miles; second, less grade; third; would have less snow in winter and better road bed at all times with less upkeep.

POWER

I am fully convinced that electric power is the cheapest power to install, and I quote a letter from the Arizona Power Co., as follows:

Prescott, Arizona
November 12, 1925

Mr. C. W. Sender
St. Michel Hotel
Prescott, Arizona

Dear Sir:

With reference to your inquiry regarding cost of service to Golden Oak property:

We have estimated the cost of the electrical installation to be in round figures \$7,500.00. Our rules provide that a customer must advance the cost of construction from our nearest established circuits. You would be served from the Walker Substation.

It is possible, of course, that the cost might run less than this, but in all likelihood it will not vary 15% either way. We have included some extra for incidentals, so in all probability the cost would run less rather than more.

This construction cost advance is refundable at the rate of 10% of the aggregate monthly power bills each year.

With reference to the cost of power: this, of course, varies up and down with the use and is affected by load factor. However, for the purpose of estimating the cost, 100 horse power can be taken as cost \$800.00 per month. We could give you a close figure if you will give us individual motors, machinery to be driven and hours of operation.

If more detailed information is needed, we should be very glad to furnish some.

Electric power cost, if you use 100 h.p. or over would run about one-half the cost of gasoline engine power and of course there is a considerably greater difference in our electric power costs and steam power costs.

Yours very truly,
THE ARIZONA POWER COMPANY (By W. V. Watson)

AIR COMPRESSORS

An air compressor capable of furnishing four hundred cubic feet of air per minute, at an altitude of 7,000 ft. of the Chicago Pneumatic Tool Company or the Sullivan Machine Co., types, two-stage machines, electric driven, with receiver, would cost about \$3,800.00 f.o.b. Los Angeles Air Line from the compressor to the tunnels about \$200.00 more.

AIR DRILLING MACHINES

The drifting machines for tunnel and shaft work with bar handle combined of the "Waugh" type, model 337, built by the Denver Rock Drill Co., Denver, Colo. (Best on the market) would cost \$360.00 each, and the stopping machine (dry) \$205.00. (wet) \$230.00 each; this does not include hose and drill steel, and these prices are f.o.b. factory.

CARS AND TRACK

The mining cars will cost about \$125.00 each, and I am not sure as to the price of 16 pound rail, which would be heavy enough for all ordinary purposes, which could be replaced at any time with heavier, should conditions require. This weight of rail can be picked up in market (second hand) very cheaply, almost as good as new.

RECOMMENDATIONS

In case the property should be accepted, I would recommend that one of the first things done would be to let a contract on the main tunnel to have it widened in places where needed, for track and the tunnel be extended 100 to 150 feet farther along the vein, which would open up a large tonnage of ore for milling as well as high grade for shipment. Also that another tunnel be started at a point 175 feet lower than the present main tunnel on the vein for the purpose of undercutting all of the old workings and be pushed at the same time as the upper tunnel, during the installing of the mill and machinery. This work to be done by contract. I realize that hand work would be more expensive than machine work, but the tonnage opened up during the time would more than justify the extra expense, and you would be assured of an abundance of ore when the mill was ready for operation. It is true that roads and buildings are the first considerations, especially the roads, for the roads would have to be put in shape for getting in building material and machinery; though tents could be used until buildings could be erected. (see map #6).

MILL

Cannot give an estimate on mill until the ore has been tested and the bids have been recieved from the manufacturers of same, with specifications.

Think I have covered all the main features in the above report,

I am

Yours very truly,
(signed) Jas. H. Henley
Mining Engineer

Seattle, Washington
December 26, 1925

Feb. 1942 -- A new road has been opened from Senator Highway to the property.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona
MINE OWNER'S REPORT

Date: February 9, 1942

1. Mine: PLATA GRANDE MINE
2. Location: 1 mile from Senator Highway - 16 miles from Prescott, Arizona.
3. Mining District & County: Prescott Mining District, Yavapai County
4. Former Name: Gwynne Group
5. Owners: C. E. and J. R. Coldwell
6. Address (Owners): 21 North Fourth Avenue, Glendale, Arizona.
7. Operator: Not operating.
8. Address (Operator):
9. President, Mining Co:
- 9A. President, Operating Co:
10. Gen. Mgr:
14. Principal Minerals: LEAD, Silver, some Gold.
11. Mine Supt:
15. Production Rate:
12. Mill Supt:
16. Mill - Type & Cap:
13. Men Employed:
17. Power - Amt. & Type:
18. Operations - Present:
19. Operations - Planned:
20. Number Claims, Title, etc: Four Claims; five acre mill site - unpatented.
21. Description - Topography & Geography: Southern slope of Mt. Union at an elevation of about 6,000 feet. Headwaters of Turkey Creek in Turkey Creek Mining District. Mountainous - covered with live pine, oak, juniper and walnut timber. Turkey Creek flows across property.
22. Mine Workings - Amt. & Condition: One shaft 250 feet deep on vein
An adit tunnel on vein 350 feet in length intersects the shaft 100 feet below collar and 200 feet from portal. A drift on vein 150 feet long, 75 feet below adit tunnel No. 1; a winze 50 feet deep at breast of last mentioned drift, drift south on vein 40 feet. About 200 feet of drifts on other claims. All workings are on ore.

(over)

23. Geology & Mineralization: Veins occupy a system of fissures in diorite. Gangue is aplite, soft, friable, straightened, laminated sericitic and of light specific gravity. Vein material has the appearance of schist, same as United Verde at Jerome. Streak of galena and oxidized ore running through this mass that is high grade lead, silver and some gold. Vein matter contains manganese, siderite and oxide of iron.
24. Ore - Positive & Probable, Ore Dumps, Tailings: Several thousand tons. All work in ore so that dumps should be good milling grade.
- 24A. Dimensions and Value of Ore body: Ore varies from 3 to 4 feet in width up to 40 feet in width of mineralized zone. High grade shipping ore in lenses with mill ore between lenses.
25. Mine, Mill Equipment & Flow-Sheet:
26. Road Condition, Route: Good road, except in heavy snow.
27. Water Supply: Turkey Creek. One developed spring - can be pumped.
28. Brief History: First owned by Turkey Creek Gold & Silver Mining Co. in early eighties. Second - owned by George Ramsey Gwynne. Have full report made in 1925 by Francis H. Clark of Los Angeles, Cal.
29. Special Problems, Reports Filed:
30. Remarks: By driving a short tunnel lower down - about 200 feet (on ore), will give you a depth of 700 feet. Put in a mill and concentrating plant and it will pay dividends.
31. If property for sale - Price, terms and address to negotiate:
\$10,000.00 terms, or will lease to responsible parties.
32. Signature: (Signed) J. R. & C. E. COLDWELL
21 North Fourth Avenue,
Glendale, Arizona

COPY

(Plata Grande Claims are the heart of this group. Very little real mining has been done since this report was made. Balance of claims may be had for locating).

GOLD NOTE GROUP OF MINING CLAIMS

This group of claims is in the Bradshaw Range of mountains and on the southeastern slope of Mt. Union in the Turkey Creek Mining District, Yavapai County, Arizona, and about 16 miles southeast of Prescott, the county seat. This group contains ten mining claims and one mill-site, to-wit: Iron Prince, Little Billy, Old Timer, High Voltage, Gold Note Extension, Gold Note, Edith Whitaker, Iron Queen, Iron Duke, Helen Adams and the Gold Note Mill Site.

The Ruth Henry Claim is about 4,000 feet to the southwest of the Gold Note group and was located by Mr. C. W. Stender to cover certain water rights (see surface Map No. 5).

This group of claims range in altitude from 6300 feet to about 7,000 feet above sea level and can be developed by tunnels from five hundred to seven hundred feet in depth.

ACCESSIBILITY

The highway from Prescott to Crown King passes within about one mile south of the property, with an old wagon road to the group, but would have to be repaired before it could be used. There is another old road from the property to Poland, a station on the Big Bug railroad, and is about 4 miles to the north of the property, and in my opinion is the road that should be opened, of which I shall refer later.

TOPOGRAPHY

While the country is mountainous, it is covered with timber, consisting of pine, oak, walnut and juniper, which can be used for fuel and ordinary mining purposes, but not for building or construction. Turkey Creek runs parallel to and across the south end of the Gold Note mill-site and the Gold Note Extension and Little Billy claims.

VEINS

The veins vary in width from two to four feet and in places to many feet; the strike of the vein is northeast and southwest and can be traced for many miles, with a dip to the east. The lead occurs in the form of carbonates and sulphides. The upper, or oxidized ores, contain a good percentage of lead carbonate with bundles or kidneys of galena occurring throughout the oxidized zone. With depth would look for larger bodies of high grade ore.

All of the carbonates will have to be concentrated or while the galena can be mined and shipped without milling. The high grade ores that have been mined have been shipped to the smelter, and they claim with good values.

WORK

All the claims show more or less development work, principally in shallow shafts, open cuts which show the vein to be continuous carrying values. This work was for the purpose of assessment on various claims, except the Old Timer and Gold Note Claims. These two claims are parallel and join along side lines with two separate and distinct veins, which may join on the High Voltage.

Workings on the Old Timer consist of two tunnels, both of which are on the north slope of the ridge, near the north end of Old Timer claim. The upper tunnel was driven many years ago and is claimed to have produced a large tonnage of high grade ore, ranging in values from 50 to 70% in lead and from 100 to over 400 ounces in silver. This tunnel being run years ago, and caved in, it was impossible to get in for examination but the lower tunnel has been driven in recent years about 200 feet only 45 feet below the old tunnel, while this latter tunnel shows a continuous vein for the entire length from 2 to 4 feet of milling ore, but no galena which was taken from the upper tunnel.

I am of the opinion that the upper tunnel was driven on the hanging wall of the vein, while the lower was driven on the foot wall and from the workings on the Gold Note shows that the high grade occurs on the hanging mostly. The Old Timer workings being on the north side of ridge could not be worked until after the Gold Note tunnel has been continued under the crest of the ridge and connected with the Old Timer, except by constructing a road which would not be very expensive. Will refer to this later.

The Gold Note workings consist of a shaft ranging in depth from 270 feet to 300 feet. One main tunnel 350 feet runs on the vein the full length of the tunnel. At a point about 200 feet from the portal of the tunnel it cuts the shaft at a depth of 100 feet from the surface. From the tunnel level down the shaft about 60 feet another drift has been driven on the vein to the north 150 feet with a 50 foot winze at the face of the drift with a good grade of milling ore the full depth of the winze. South of the shaft this drift has been run on the vein 60 feet showing a fine grade of milling ore. By referring to map #3 which shows all the main workings of the Gold Note you will notice that there are many open cuts on this vein showing its continuation both north and south of the workings. I will refer to these workings again under recommendations.

MAPS

Map #1 shows a part of the vein system as it appears on the surface, more particularly to the Gold Note and Old Timer veins. No. 2 represents the Gold Note sampling map, showing the points where samples were taken, while map No. 3 represents the BLOCKS containing the ore in sight ready forming. Map #4 represents the Old Timer workings with points of sampling. Map #5 shows the surface and locations of the claims and mill site, also Turkey Creek in relation to the claims. Map #6 is for the purpose of showing the purposed tunnel on the Gold Note vein to cut the ore at a depth of 175 feet below the present tunnel.

EXHIBITS

Exhibit A represents the number of samples with assay values, while exhibit B shows number of samples, width in feet or inches and point from where taken and exhibit C gives the BLOCK size of block, tonnage in block and number of samples, average assay values per ton and gross value per block.

At time of sampling I was taken sick and had to leave, but Mr. C. W. Stender continued the work and I am sure it was conducted as well as if I had been present.

No.	GOLD		SILVER		TOTAL VALUE	LEAD	Value
	Ozs. per ton	Value	Ozs. per ton	Value	Per ton	%	
1	0.12	\$2.48	2.0	\$1.42	\$3.90	no	
2	.09	1.86	2.0	1.42	3.28	no	
3	0.08	1.65	1.10	.71	2.36	no	
4	0.08	1.65	1.5	1.06	2.71	no	
5	0.10	2.06	2.0	1.42	3.48	5.1	9.50
6	trace		2.8	1.98	1.98	7.2	13.68
7	0.06	1.24	2.8	1.98	3.22	9.7	18.43
8	0.09	1.86	1.5	1.06	2.92	5.2	11.78
9	0.12	2.48	4.5	3.19	5.67	6.9	13.11
10	0.06	1.24	2.0	1.42	2.66	3.7	7.03
11	0.05	1.03	1.5	1.06	3.09	5.5	12.35
12	trace		1.0	.71	.71	no	
13	trace		2.0	1.42	1.42	no	
14	0.05	1.03	2.0	1.42	2.45	no	
15	0.09	1.86	4.5	3.19	5.05	no	
16	0.08	1.65	3.0	2.13	3.78	7.2	13.68
17	0.08	1.65	3.5	2.48	4.13	8.6	16.34
18	0.09	1.86	5.0	3.55	5.41	11.7	22.23
19	0.12	2.48	9.0	6.39	8.87	11.5	21.85
20	0.05	1.03	2.0	1.42	2.45	no	
21	0.10	2.06	4.0	2.84	4.90		
22	0.16	3.30	38.0	26.98	30.28		
23	0.08	1.65	2.5	1.77	3.42		
24	trace		2.0	1.42	1.42		
25	0.18	3.72	37.00	26.27	29.99		
26	0.08	1.65	8.0	5.68	7.33		
27	0.08	1.65	7.0	4.97	6.62	8.7	16.53
28	0.05	1.03	2.5	1.77	2.80	7.9	15.01
29	trace		2.0	1.42	1.42	11.1	21.09
30	trace		2.0	1.42	1.42	12.4	23.56
31	trace		2.0	1.42	1.42	12.3	23.37
32	0.05	1.03	2.5	1.77	2.80	12.5	23.75
33	0.09	1.86	2.0	1.42	3.28	9.8	18.62
34	trace		2.0	1.42	1.42	11.3	21.47
35	trace		2.0	1.42	1.42	10.4	19.76
36	trace		2.8	1.98	1.98	9.17	18.43
37	0.09	1.86	2.5	1.77	3.63	11.6	22.04
38	0.12	2.48	5.0	3.55	6.03		
39	0.06	1.24	14.0	9.94	11.18		
40	0.08	1.65	9.0	6.39	8.04	4.1	7.79
41	0.10	2.06	22.0	15.62	17.68	9.2	17.48
42	0.10	2.06	10.0	7.10	9.16	23.2	44.08
43	0.05	1.03	3.0	2.13	3.16	4.7	8.93
44	trace		2.0	1.42	1.42	6.2	11.78
45	trace		3.0	2.13	2.13	11.4	21.66
46	trace		1.5	1.06	1.06		
47	0.08	1.65	5.0	3.55	5.20	10.2	19.38
48	0.05	1.03	4.0	2.84	3.87	7.3	13.87
49	trace		1.5	1.06	1.06		
50	0.06	1.24	2.0	1.42	2.66	9.2	17.48
51	trace		1.5	1.06	1.06		
52	0.08	1.65	2.0	1.42	3.07		
53	0.05	1.03	2.0	1.42	2.45	3.3	6.27
54	0.10	2.06	3.0	2.13	4.19	3.8	7.22
55	0.08	1.65	3.0	2.13	3.87		

No.	GOLD		SILVER		Total value per ton	LEAD	
	Ozs. per ton	Value	Ozs. per ton	Value		%	Value
56	trace		1.0	.71		no	
57	0.09	1.86	2.0	1.42	3.28		
58	trace		1.0	.71	.71		
59	trace		1.0	.71	.71	6.13	12.07
60	0.08	1.65	2.0	1.42	3.07		
61	0.12	2.48	3.0	2.13	4.61	3.1	5.89
62	0.09	1.86	2.0	1.42	3.28	2.2	4.18
63	0.10	2.06	6.5	4.61	6.67	10.2	19.38
64	0.08	1.65	3.0	2.13	3.78	5.7	10.83
65	trace		trace				
66	trace		trace				
67	trace		trace				
68	trace		trace			3.9	7.41
69	trace		trace				
70	trace		trace				
71	0.08	1.65	2.0	1.42	3.07		
72	trace		trace				
73	trace		trace				
74	0.08	1.65	3.0	2.13	3.78	16.2	30.78
75	0.12	2.48	12.0	8.52	11.00	19.7	37.46
76	0.08	1.65	2.0	1.42	3.07	3.3	6.27
77	0.10	2.06	2.0	1.42	3.28		
78	0.09	1.86	2.0	1.42	3.48		
79	0.09	1.86	2.0	1.42	3.48		
80	0.09	1.86	2.0	1.42	3.48		
81	trace		trace				
82	0.09	1.86	1.5	1.06	2.92		
83	0.08	1.65	1.5	1.06	2.71		
84	0.12	2.48	3.0	2.13	4.61		
85	0.08	1.65	2.0	1.42	3.07		
86	0.08	1.65	2.0	1.42	3.07		
87	0.08	1.65	2.0	1.42	3.07		
88	0.08	1.65	2.0	1.42	3.07		
89	0.08	1.65	2.0	1.42	3.07		
90	0.12	3.48	26.0	18.46	20.94		
91	0.07	1.44	3.5	2.48	3.92		
92	0.10	2.06	7.0	4.97	2.05		
93	0.08	1.65	2.5	1.77	3.42		
94	0.08	1.65	2.8	1.98	3.63		
95	0.09	1.86	2.5	1.77	2.63		
96	0.05	1.03	2.0	1.42	2.45		
97	0.10	2.06	3.0	2.13	4.19		
98	0.08	1.65	3.5	2.48	4.13		
99	0.08	1.65	2.0	1.42	3.07		
100	0.16	3.30	9.0	6.39	9.39	13.2	25.08
101	0.10	2.06	5.0	3.55	5.61		
102	0.09	1.86	3.0	2.13	3.99		
RH#1	trace		trace				
RH#2	0.08	1.65	1.0	.71	2.36		
RH#3	0.08	1.65	2.0	1.42	3.07		
RH#4	0.09	1.86	2.0	1.42	3.28		
Special							
1	0.42	8.68	4.0	2.84	11.52		
2	0.17	3.51	44.0	31.24	34.75	43.8	83.22

EXHIBIT B

- 1 leading from High Voltage to Gold Note 32" wide.
- 2 leading from High Voltage to Gold Note supposed pay streak
- 3 feeder between Old Timer and Gold Note 12" wide
- 4 supposed carbonates 4 ft., sample at same place as #3
- 5 discovery place Old Timer dump 20 ton
- 6 cross cut 55 ft. about 120 ton dump Old Timer south of Gold Note
- 7 tunnel resampling of Gold Note
- 7 screenings on top of Gold Note
- 8 east half on top of gold note deep trench 5 ft. nearer to portal
- 9 west half on top of Gold Note dump 5 feet nearer to portal
- 10 west half way down to face of dump new and deeper trench
- 11 east " " " " " " " " " "
- 12 open cut dump 200 feet from Old Timer X cross tunnel
- 13 vein matter 10" in opening
- 14 vein iron and manganese 4 feet
- 15 face of Old Timer X cut 18"
- 16 ore and Old Timer dump
- 17 " " " "
- 18 hanging wall in stope Old Timer X cut tunnel sample taken for 20 feet
- 19 over head in stope Old Timer X " " " " vein 16"
- 20 foot wall in stope X cut sample taken for 20 ft.
- 21 under and stope east end of drift Old Timer X cut
- 22 bottom of 200 foot level N side of winze 16"
- 23 half way up in face of north side of winze 16"
- 24 footwall along N side of winze 16"
- 25 bottom near face 12"
- 26 this side of winze 12 ft. from winze 14" thick
- 27 " " 24 " " " 12
- 28 " " 35 " " " 12
- 29 " " 44 " " " 16
- 30 grab sample from pile in drift 10x60x30"
- 31
- 32
- 33
- 34
- 35 fine ore bottom if shaft
- 36 south of shaft 200 Ft. level
- 37 overhead in stope in shaft
- 38 south end Old Timer open cut (special) sand from top ledge
- 39 ledge matter 10 ft. wide
- 40 manganese ore on dump of open cut south end of Old Timer (big body can be
- 41 10 ft. open cut (see ore specimen) uncovered)
- 42 " " " " "
- 43 extreme south end Old Timer 14 ft. (this should be developed)
- 44 10 ft. up from platform in Gold Note tunnel 2½ ft. wide
- 45 20 4
- 46 30 2
- 47 stope this side of shaft
- 48 " " " "
- 49 " " " " Footwall
- 50 hanging wall 6 in. thick
- 51 air shaft southside white quartz
- 52 north
- 53 portal of Gold Note hanging wall
- 54 face of Gold Note bottom
- 55 center
- 56 top

- 57 ten feet from face 2½ ft. thick overhead
- 58 20 ft. from face 3 ft. thick overhead, qts. intusion
- 59 30 feet from face overhead 3 ft. wide Gold Note tunnel
- 60 25 ft. from face bottom
- 61 35 ft. from face bottom
- 62 40 ft. from face overhead 2½ ft. wide Gold Note tunnel
- 63 50 ft. from face bottom 3 ft. wide Gold Note tunnel
- 64 60 ft. from face overhead 3 ft. wide Gold Note tunnel
- 65 70 ft. from face bottom 1 ft. of ore in h.w. mostly
- 66 80 ft. from face overhead 18"
- 67 90 ft. from face bottom 3 ft. of ore
- 68 10 ft. south of shaft bottom 2 ft. of ore
- 69 20 ft. south of shaft bottom 2 ft. of ore
- 70 30 ft. south of shaft bottom 2 ft. of ore
- 71 40 ft. south of shaft bottom 3 ft. of ore
- 72 50 ft. south of shaft tunnel 3 ft. of ore
- 73 60 south of shaft bottom 3 ft. of ore
- 74 70 ft. south of under stope 2 ft. of ore
- 75 80 ft. south of under stope 18 ft. of ore
- 76 90 ft. south of shaft 5 ft. south of stope
- 77 100 ft. south of shaft 15 ft. south of stope
- 78 5 ft. south of shaft overhead 20 in. of ore
- 79 15 ft. south of shaft overhead 2½ ft. of ore
- 80 25 ft. south of shaft overhead 18 in. of ore
- 81 35 ft. south of shaft overhead 18 in. of ore
- 82 about south of ore shute 26 in. of ore
- 83 iron face of tunnel about 50 ft. in
- 84 iron prince N.E. and small cut dump
- 85 iron prince south of discovery (6 ft. of manganese)
- 86 upper tunnel Old Timer dump sample (tunnel caved in)
- 87 upper tunnel Old Timer dump sample (cross section)
- 88 lower tunnel Old Timer on dump (1 ton)
- 89 lower tunnel Old Timer dump X section sample
- 90 25 ft. from portal Old Timer tunnel bottom 3 ft. vein
- 91 65 ft. from portal Old Timer tunnel bottom 3 ft. vein
- 92 105 ft. " " " " " "
- 93 sample along H.W. Old Timer tunnel for about 50 ft.
- 94 145 ft. from portal Old Timer tunnel bottom north of X cut
- 95 175 ft. from portal Old Timer tunnel overhead south of X cut and winze
- 96 125 ft. from portal Old Timer tunnel overhead
- 97 85 ft. " " " " "
- 98 45 " " " " "
- 99 face of Old Timer tunnel
- 100 north of Gold Note shaft (surface cut) McLaren sample
- 101 at discovery cut of Little Billy, set assay high in gold (sample taken by Gwynne)
- 102 Ruth Hanley #1 -- 3 ft. vein drift discovery
 - #2 upper dump 8 ft. across section sample
 - #3 qts. of 1st. class
 - #4 lower X cut dump
- Special #1 Edith Whitaker -- outcropping
 - #2 shipping ore taken out of lower stope overhead ore still standing

EXHIBIT C

BLOCK A SOUTH

150 x 50 x 2 feet 1442 tons

samples 75 74 73 72 71 69 68 50 48 47 79 81 51
sample value average \$8.99 per ton
gross value of block 12,966.00

BLOCK A NORTH

150 x 90 x 2 feet

samples 54 55 56 57 58 59 62 64 66 51

sample values average \$11.50 per ton
Gross values of block \$13,271.00

LOOSE ORE IN BOTTOM OF SHAFT BLOCK B SOUTH

415 TON ORE GROSS VALUE \$5,350.00
samples 47 48 49 50
4.5 x 20 x 6 ft.

LOOSE ORE IN BOTTOM OF GOLD NOTE TUNNEL SHAFT

80 Tons estimate value \$1,624.00
Samples 31 32 33 34 35 36
GOLD NOTE DUMP, estimated 1,600 tons of ore
gross value \$32,000.00
OLD TIMER DUMP estimated 180 tons of ore
gross value \$1,000.00

BLOCK B NORTH

150 x 60 x 2 ft.

samples 54 55 56 60 61 63 65 67 46 44 34 35 32 33 31 30 39 28
27 26 25 24 23 22

Sample value average \$14.45 per ton
Gross value of block \$22,511.00

By referring to Exhibit C you will see there is about 6700 gross tons available for milling with a gross value of over \$88,000.00. I wish to remind you that Mr. Sender, in his sampling, rejected all high grade ores, and confined his sampling to the milling grade ores only. This, I consider, puts him on the safe side. I wish to call your attention to another point, and that is in his estimates of ore in sight he gives only 4 blocks, namely, A north, A south, B south and B north.

The shaft which is about 140 ft. below the lowest point sampled and also a winze 50 feet deep, both of which are in ore, and Mr. Sender, in my opinion, had a right to assume that the ore would have continued at least 50 feet below B north and B south, which would have added at least \$30,000.00 more to his estimate. (see map #3)

ROADS

There are two old wagon roads from the property, one connecting with the state highway from Prescott to Crown King, which is about one mile from the property, and it would cost about \$1,500.00 to put it in shape to transport machinery and supplies to the mine. By using this route there would be about a 15 mile haul to and from Prescott with heavy grades both ways, as you have to cross the range.

The other road is from the mine to Poland, which is about 4 miles to the north, a station on the Big Bug railroad. I was over a portion of this road, but did not see sufficient to base an estimate as to cost, which would require a survey to determine. I would recommend the Poland route, though it may cost more to construct. First, you would save a haul of 11 miles; second, less grade; third; would have less snow in winter and better road bed at all times with less upkeep.

POWER

I am fully convinced that electric power is the cheapest power to install, and I quote a letter from the Arizona Power Co., as follows:

Prescott, Arizona
November 12, 1925

Mr. C. W. Sender
St. Michel Hotel
Prescott, Arizona

Dear Sir:

With reference to your inquiry regarding cost of service to Golden Oak property:

We have estimated the cost of the electrical installation to be in round figures \$7,500.00. Our rules provide that a customer must advance the cost of construction from our nearest established circuits. You would be served from the Walker Substation.

It is possible, of course, that the cost might run less than this, but in all likelihood it will not vary 15% either way. We have included some extra for incidentals, so in all probability the cost would run less rather than more.

This construction cost advance is refundable at the rate of 10% of the aggregate monthly power bills each year.

With reference to the cost of power: this, of course, varies up and down with the use and is affected by load factor. However, for the purpose of estimating the cost, 100 horse power can be taken as cost \$800.00 per month. We could give you a close figure if you will give us individual motors, machinery to be driven and hours of operation.

If more detailed information is needed, we should be very glad to furnish some.

Electric power cost, if you use 100 h.p. or over would run about one-half the cost of gasoline engine power and of course there is a considerably greater difference in our electric power costs and steam power costs.

Yours very truly,
THE ARIZONA POWER COMPANY (By W. V. Watson)

AIR COMPRESSORS

An air compressor capable of furnishing four hundred cubic feet of air per minute, at an altitude of 7,000 ft. of the Chicago Pneumatic Tool Company or the Sullivan Machine Co., types, two-stage machines, electric driven, with receiver, would cost about \$3,800.00 f.o.b. Los Angeles Air Line from the compressor to the tunnels about \$200.00 more.

AIR DRILLING MACHINES

The drifting machines for tunnel and shaft work with bar handle combined of the "Waugh" type, model 337, built by the Denver Rock Drill Co., Denver, Colo. (Best on the market) would cost \$360.00 each, and the stoping machine (dry) \$205.00. (wet) \$230.00 each; this does not include hose and drill steel, and these prices are f.o.b. factory.

CARS AND TRACK

The mining cars will cost about \$125.00 each, and I am not sure as to the price of 16 pound rail, which would be heavy enough for all ordinary purposes, which could be replaced at any time with heavier, should conditions require. This weight of rail can be picked up in market (second hand) very cheaply, almost as good as new.

RECOMMENDATIONS

In case the property should be accepted, I would recommend that one of the first things done would be to let a contract on the main tunnel to have it widened in places where needed, for track and the tunnel be extended 100 to 150 feet farther along the vein, which would open up a large tonnage of ore for milling as well as high grade for shipment. Also that another tunnel be started at a point 175 feet lower than the present main tunnel on the vein for the purpose of undercutting all of the old workings and be pushed at the same time as the upper tunnel, during the installing of the mill and machinery. This work to be done by contract. I realize that hand work would be more expensive than machine work, but the tonnage opened up during the time would more than justify the extra expense, and you would be assured of an abundance of ore when the mill was ready for operation. It is true that roads and buildings are the first considerations, especially the roads, for the roads would have to be put in shape for getting in building material and machinery; though tents could be used until buildings could be erected. (see map #6).

MILL

Cannot give an estimate on mill until the ore has been tested and the bids have been received from the manufacturers of same, with specifications.

Think I have covered all the main features in the above report,

I am

Yours very truly,

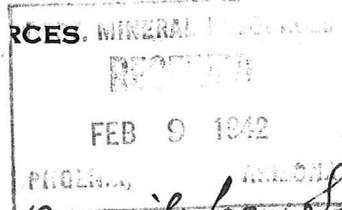
(signed) Jas. H. Henley

Mining Engineer

Seattle, Washington
December 26, 1925

Feb. 1942 -- A new road has been opened from Senator Highway to the property.

DEPARTMENT OF MINERAL RESOURCES,
STATE OF ARIZONA
MINE OWNER'S REPORT



MP-18

- Date _____
1. Mine *Plata Grande Mine*
 2. Location *One mile from Senator Highway, 16 miles from Prescott.*
 3. Mining District & County *Prescott, Yavapai Co.*
 4. Former name *Guyome Group*
 5. Owner *C. E. and J. R. Caldwell*
 6. Address (Owner) *21-N-4th ave Glendale Ariz.*
 7. Operator *Not operating*
 8. Address (Operator) _____
 9. President, Owning Co. _____
 - 9A. President, Operating Co. _____
 10. Gen. Mgr. _____
 14. Principal Minerals *Lead, Silver, some Gold.*
 11. Mine Supt. _____
 15. Production Rate _____
 12. Mill Supt. _____
 16. Mill: Type & Cap. _____
 13. Men Employed _____
 17. Power: Amt. & Type _____
 18. Operations: Present
 19. Operations: Planned

20. Number Claims, Title, etc. *Four Claims, Five acre mill site. Unpatented.*

21. Description: Topography & Geography *Southern slope of mt. Union at an elevation of about 6000 feet. Headwaters of Turkey Creek, in Turkey Creek mining district. Mountainous, covered with live Pine, Oak Juniper and walnut timber. Turkey creek flows across property.*

22. Mine Workings: Amt. & Condition
One shaft 270 feet deep on vein, an adit tunnel on vein 350 in length intersects the shaft 100 feet below collar and 200 feet from portal, a drift on vein 150 feet long, 75 feet below adit tunnel number one, a wing 50 feet deep at breast of last mentioned drift, drift south on vein 40 feet. About 200 feet of drifts on other claims, all workings are on ore.

23. Geology & Mineralization Vein occupy a system of fissure in diorite. Gangue is aplite, soft, friable, straight, laminated, sericitic, and of light specific gravity. Vein material has the appearance of schist, same as United Verde at Jerome. Streak of galena and oxidized ore running through this mass that is high grade lead, silver and some gold. Vein matter contains manganese, siderite and oxide of iron.

24. Ore: Positive & Probable, Ore Dumps, Tailings

all work in ore so that dumps should be good milling grade. Several thousand tons.

24A. Dimensions and Value of Ore body

Ore varies from 3 x 4 feet in width up to 6 feet in width of mineralized zone. High grade shipping ore in lenses with mill ore between lenses.

25. Mine, Mill Equipment & Flow-Sheet

26. Road Conditions, Route

Good Road except in heavy snow.

27. Water Supply

Turkey creek. One developed spring, can be pumped.

28. Brief History

First owned by Turkey Creek Gold & Silver mining Co in early eighties. Shut down by George Ramsey Gwynne. Have full report made in 1925 by Francis H. Clark of Los Angeles.

29. Special Problems, Reports Filed

30. Remarks

By driving a short tunnel lower down about 200 feet (on ore) will give you a depth of 700 feet. Put in a mill and concentrating plant and it will pay dividends.

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

\$10,000 terms, or will leave to responsible parties

32. Signature

J.R. & C.E. Caldwell 21-N-4th ave Glendale, Arizona.

33. Use additional sheets if necessary.

Plata Grande Claims are the heart of this group.
Very little real mining has been done since this report was made.
balance of claims may be had for locating.

This group of claims is in the Bradshaw range of mountains and on the southeastern slope of Mt. Union, in the Turkey Creek mining district, Yavapai county, Arizona, and about 16 miles southwest of Prescott, the county seat. This group contains ten claims and one mill-site claim; Iron Prince, Little Lilly, Old Timer, High Voltage, Old Note Extension, Old Note, Smith Ditcher, Iron Queen, Iron Duke, Old Note and the Old Note Mill Site.

The Ruth Henry Claim is about 4,000 ft. to the southeast of the Old Note group and was leased by Mr. J. S. Stander to cover certain water rights. (see surface map 5)

This group of claims ranges in altitude from 6,000 feet to about 7,000 feet above sea level and can be developed by tunnels from five hundred to seven hundred feet in depth.

ACCESS

The highway from Prescott to Crown King passes within about one mile south of the property, with an old wagon road to the group, but would have to be repaired before it could be used. There is another old road from the property to Poland, a station on the Big Boy railroad, and is about 4 miles to the north of the property, and in my opinion is the road that should be opened, of which I shall refer later.

VEGETATION

While the country is mountainous, it is covered with timber, consisting of pine, oak, walnut and juniper, which can be used for fuel and ordinary mining purposes, but not for building or cement etc. Turkey Creek runs parallel to and across the south end of the Old Note Mill-site and the Old Note Extension and Little Lilly claims.

MINES

The veins vary in width from one to four feet and in places to six feet, the strike of the veins is northeast and east west and can be traced for many miles, with a dip to the east. The lead occurs in the form of carbonate and sulphide. The upper or oxidized zone contains a good percentage of lead carbonate, with bands or layers of yellow coloring throughout the oxidized zone. The lower zone contains the larger bodies of lead carbonate.

All of the ore bodies will have to be treated or crushed before they can be used and a good sized mill is needed. The high-grade ore that has been mined here and put on the market, and they claim it is a success.

WORK

All the claims show more or less development work, principally in shallow shafts, open cuts which show the vein to be continuous carrying values. This work was for the purpose of assessment on various claims, except the Old Timer and Old Note Claims. These two claims are parallel and join along side lines with two separate and distinct veins, which may join on the high voltage.

Workings on the Old Timer consist of two tunnels,

both of which are on the north slope of the ridge, near the north end of Old Timer claim. The upper tunnel was driven many years ago, and is claimed to have produced a large tonnage of high grade ore, ranging in values from 50 to 70 % in lead and from 100 to over 400 ounces in silver. This tunnel being run years ago, and caved in it was impossible to get in for examination.

But the lower tunnel has been driven in recent years about 200 feet and only 45 feet below the old tunnel, while this latter tunnel shows a continuous vein for the entire length from 2 to 4 feet of milling ore, but no pelena which was taken from the upper tunnel.

I am of the opinion that the upper tunnel was driven on the hanging wall of the vein, while the lower was driven on the foot wall and from the workings on the Gold Note, shows that the high grade occurs on the hanging mostly. The old timer workings being on the north side of ridge, could not be worked until after the Gold Note tunnel has been continued under the crest of the ridge and connected with the old timer, except by constructing a road which would not be very expensive. Will refer to this later.

The Gold Note workings consist of a shaft ranging in depth from 270 feet to 300 feet. (no main tunnel 350 feet runs on the vein the full length of the tunnel. At a point about 200 feet from the portal of the tunnel it cuts the shaft at a depth of 100 feet from the surface. From the tunnel level down the shaft about 60 feet another drift has been driven on the vein to the north 150 feet, with a 50 foot wing at the face of the drift, with a good grade of milling ore the full depth of the wing. South of the shaft this drift has been run on the vein 10 feet showing a fine grade of milling ore. By referring to map #3 which shows all the vein workings of the Gold Note, you will notice that there are many open cuts on this vein, showing its continuation both north and south of the workings. I will refer to these workings again under rock relations.

MAPS

Map #1 shows a part of the vein system as it appears on the surface, more particularly to the Gold Note and Old Timer veins. #2 represents the Gold Note scumline, up, showing the points where samples were taken, while map #3 represents the BLOCKS containing the ore in sight ready for milling. Map #4 represents the old timer workings, with points of sampling. Map #5 shows the surface and locations of the claims and mill site, also Turkey Creek in relation to the claims. Map #6 is for the purpose of showing the proposed tunnel on the Gold Note vein as cut the ore at a depth of 175 feet below the present tunnel.

EXHIBITS

Exhibit A represents the number of samples with assay values, while exhibit B shows number of samples, width in feet or inches and point from where taken and exhibit C gives the BLOCK size of block, assays in block and number of samples, average assay values per ton and gross value per block.

At time of sampling, I was taken sick and had to leave, but Mr. J. W. Stender continued the work, and I am sure it was conducted as well as if I had been present.

No.	GOLD		SILVER		NETAL PAGES		LEAD %	VALUE
	Ozs per ton	TALES	Ozs per ton	TALES	per ton			
1	0.12	2.48	2.0	31.42	33.90	no		
2	.09	1.86	2.0	1.42	3.28	no		
3	0.08	1.65	1.10	.71	2.36	no		
4	0.08	1.65	1.5	1.06	2.71	no		
5	0.10	2.06	2.0	1.42	3.48	5.1	9.50	
6	trace		2.6	1.98	1.98	7.2	13.68	
7	0.06	1.24	2.6	1.98	3.22	9.7	18.43	
8	0.09	1.86	1.5	1.06	2.92	5.2	11.78	
9	0.12	2.48	4.5	3.19	5.87	6.9	13.11	
10	0.06	1.24	2.0	1.42	2.66	3.7	7.03	
11	0.05	1.03	1.5	1.06	3.09	5.5	12.35	
12	trace		1.0	.71	.71	no		
13	trace		2.0	1.42	1.42	no		
14	0.05	1.03	2.0	1.42	2.45	no		
15	0.09	1.86	4.5	3.19	5.05	no		
16	0.08	1.65	3.0	2.13	3.78	7.2	13.68	
17	0.08	1.65	3.5	2.48	4.13	8.6	16.34	
18	0.09	1.86	5.0	3.55	5.41	11.7	22.23	
19	0.12	2.48	9.0	6.39	8.87	11.5	21.65	
20	0.05	1.03	2.0	1.42	2.45	no		
21	0.10	2.06	4.0	2.84	4.90			
22	0.16	3.30	38.0	26.98	30.28			
23	0.08	1.65	2.5	1.77	3.42			
24	trace		2.0	1.42	1.42			
25	0.16	3.72	37.00	26.27	29.99			
26	0.08	1.65	3.0	5.68	7.33			
27	0.08	1.65	7.0	4.97	6.82	6.7	16.53	
28	0.05	1.03	2.5	1.77	2.80	7.9	15.01	
29	trace		2.0	1.42	1.42	11.1	21.09	
30	trace		2.0	1.42	1.42	12.4	23.56	
31	trace		2.0	1.42	1.42	12.3	23.37	
32	0.05	1.03	2.5	1.77	2.80	12.5	23.75	
33	0.09	1.86	2.0	1.42	3.28	9.8	18.82	
34	trace		2.0	1.42	1.42	11.3	21.47	
35	trace		2.0	1.42	1.42	10.4	19.76	
36	trace		2.8	1.98	1.98	9.7	18.43	
37	0.09	1.86	2.5	1.77	3.63	11.6	22.04	
38	0.12	2.48	5.0	3.55	6.03			
39	0.06	1.24	14.0	9.94	11.18			
40	0.08	1.65	9.50	6.39	8.04	4.1	7.79	
41	0.10	2.06	22.0	15.62	17.68	9.2	17.48	
42	0.10	2.06	10.0	7.10	9.16	23.2	44.88	
43	0.05	1.03	3.0	2.13	3.16	4.7	8.93	
44	trace		2.0	1.42	1.42	6.2	11.78	
45	trace		3.0	2.13	2.13	11.4	21.66	
46	trace		1.5	1.06	1.06			
47	0.08	1.65	5.0	3.55	5.20	10.2	19.38	
48	0.05	1.03	4.0	2.84	3.87	7.3	13.67	
49	trace		1.5	1.06	1.06			
50	0.06	1.24	2.0	1.42	2.36	9.2	17.48	
51	trace		1.5	1.06	1.06			
52	0.08	1.65	2.0	1.42	3.07			
53	0.05	1.03	2.00	1.42	2.45	3.3	6.27	
54	0.10	2.06	3.0	2.13	4.19	3.8	7.22	
55	0.08	1.65	2.0	2.13	3.8			

1A

no	GOLD		SILVER		total value		L AD	
	Obs. per ton	VALU	Obs. per ton	VALU	per ton	%	VALU	
56	trace		1.0	.71			no	
57	0.09	1.86	2.0	1.42	3.28			
58	trace		1.0	.71	.71			
59	trace		1.0	.71	.71	6.13		12.07
60	0.08	1.65	2.0	1.42	3.07			
61	0.12	2.48	3.0	2.13	4.61	3.1		5.89
62	0.09	1.86	2.0	1.42	3.28	2.2		4.18
63	0.10	2.06	6.5	4.61	6.67	10.2		19.38
64	0.08	1.65	3.0	2.13	3.78	5.7		10.83
65	trace		trace					
66	trace		trace					
67	trace		trace					
68	trace		trace			3.9		7.41
69	trace		trace					
70	trace		trace					
71	0.08	1.65	2.0	1.42	3.07			
72	trace		trace					
73	trace		trace					
74	0.08	1.65	3.0	2.13	3.78	16.2		30.78
75	0.12	2.48	12.0	8.52	11.00	19.7		37.46
76	0.08	1.65	2.0	1.42	3.07	3.3		6.27
77	0.10	2.06	2.0	1.42	3.28			
78	0.09	1.86	2.0	1.42	3.48			
79	0.09	1.86	2.0	1.42	3.48			
80	0.09	1.86	2.0	1.42	3.48			
81	trace		trace					
82	0.09	1.86	1.5	1.06	2.92			
83	0.08	1.65	1.5	1.06	2.71			
84	0.12	2.48	3.0	2.13	4.61			
85	0.08	1.65	2.0	1.42	3.07			
86	0.08	1.65	2.0	1.42	3.07			
87	0.08	1.65	2.0	1.42	3.07			
88	0.08	1.65	2.0	1.42	3.07			
89	0.08	1.65	2.0	1.42	3.07			
90	0.12	3.48	26.0	18.46	20.94			
91	0.07	1.44	3.5	2.48	3.92			
92	0.10	2.06	7.0	4.97	2.05			
93	0.08	1.65	2.5	1.77	3.42			
94	0.08	1.65	2.8	1.96	3.63			
95	0.09	1.86	2.5	1.77	2.63			
96	0.05	1.03	2.0	1.42	2.45			
97	0.10	2.06	3.0	2.13	4.19			
98	0.08	1.65	3.5	2.48	4.13			
99	0.08	1.65	2.0	1.42	3.07			
100	0.16	3.30	9.0	6.39	9.39	13.2		25.08
101	0.10	2.06	5.0	3.55	5.61			
102	0.09	1.86	3.0	2.13	3.99			
RM#1	trace		trace					
RM#2	0.08	1.65	1.0	.71	2.36			
RM#3	0.08	1.65	2.0	1.42	3.07			
RM#4	0.09	1.86	2.0	1.42	3.28			
Special								
1	0.42	6.68	4.0	2.84	11.52			
2	0.17	3.51	44.0	31.24	34.75	43.8		83.22

6
 57 ten feet from face 2 1/2 ft. thick overhead
 58 20 ft from face 3 ft thick over head, qts. illusion
 59 30 feet from face overhead 3ft. wide Gold Note tunnel
 60 25 ft. from face bottom
 61 35 ft. from face bottom
 62 40 ft. from face overhead 2 1/2 ft wide gold note tunnel
 63 50 ft from face bottom 3 ft. wide gold note tunnel
 64 60 ft. from face overhead 3 ft. wide gold note tunnel
 65 70 from face bottom 1 ft. of ore in h.w. mostly
 66 80 ft. from face overhead 18 "
 67 90 ft. from face bottom 3 ft. of ore
 68 10 ft. south of shaft bottom 2 ft. of ore
 69 20 ft. south of shaft bottom 2 ft. of ore
 70 30 ft. south of shaft bottom 2 ft. of ore
 71 40 ft. south of shaft bottom 3 ft. of ore
 72 50 ft. south of shaft tunnel 3ft. of ore
 73 60 south of shaft bottom 3 ft. of ore
 74 70 ft. south of under slope 2 ft. of ore
 75 80 feet south of under slope 18 ft. of ore
 76 90 ft. south of shaft 5 ft. south of slope
 77 100 ft. south of shaft 15 south of slope
 78 5 foot south of shaft overhead 20 in. of ore
 79 15 ft. south of shaft overhead 2 1/2 ft. of ore
 80 25 ft. south of shaft overhead 18 in. of ore
 81 35 ft. south of shaft overhead 18 in. of ore
 82 about south of ore chute 26 in of ore
 83 iron face of tunnel about 50 ft. in
 84 iron prince N.E. end small cut dump
 85 iron prince south of discovery (6 ft. of manganese)
 86 upper tunnel old timer dump sample (tunnel caved in)
 87 upper tunnel old timer dump sample (cross section)
 88 lower tunnel old timer on dump (1 ton)
 89 lower tunnel old timer dump 1 section sample
 90 25 ft. from portal old timer tunnel bottom 3 ft. vein
 91 65 ft. from kumukia portal old timer tunnel bottom 3 ft. vein
 92 105 ft. " " " " " " " " " " " "
 93 sample along h.w. old timer tunnel for about 50 ft.
 94 145 ft. from portal old timer tunnel bottom north of cut
 95 175 ft. from portal; old timer tunnel over head south of cut & vein
 96 125 ft from portal old timer tunnel overhead
 97 85 " " " " " " " " " "
 98 45 " " " " " " " " " "
 99 face of old timer tunnel
 100 north of gold note shaft fan (surface cut) Melaren sample
 101 at discovery cut of Little Billy, set assay high in gold(sample
 taken by Gwynne)
 102 Ruth Hanley #1 -- 3 ft vein drift discovery
 " " #2 upper dump 3 ft. assay section sample
 " " #3 qts. of 1st. class
 " " #4. lower cut dump
 Special #1 with Whitaker . outcropping
 #2 shipping ore taken out of lower slope overhead ore
 still standing.

7. 1132 G

BLOCK A NORTH

150 x 50 x 2 feet 1442 tons

samples 75 74 73 72 71 69 68 50 48 47 79 81 51
sample value average 18.89 per ton
gross value of block 12,960.00

BLOCK A SOUTH

150 x 90 x 2 feet

samples 54 55 56 57 58 59 62 64 66 51

sample value average 11.50 per ton
gross value of block 13,271.00

BLOCK B NORTH

samples 47 48 49 50
4.5 x 20 x 6 ft.

BLOCK B SOUTH

80 tons estimate value 1,424.00
Samples 31 32 33 34 35 36
100 x 20 x 6 ft, one end 1,600 tons of ore
gross value 32,000.00
old block may contain 100 tons of ore
gross value 1,000.00

BLOCK B NORTH

150 x 60 x 2 ft.
samples 54 55 56 60 61 63 65 67 46 44 34 35 32 33 31 30 39 28 27 26 25
24 23 22

Sample value average \$14.45 per ton
Gross value of block \$22,511.00

By referring to exhibit C you will see there is about 6700 gross tons available for milling, with a gross value of over \$88,000.00 I wish to remind you that Mr. Sonder, in his sampling rejected all high grade ores, and confined his sampling to the milling grade ores only, this I consider, puts him on the safe side. I wish to call your attention to another point, and that is in his estimates of ore in sight he gives only 4 blocks, namely, A north, A south, B south and B north.

The shaft which is about 140 ft deep below the lowest point sampled and also a vein 50 feet deep, both of which are in ore, and Mr. Sonder in my opinion, had a right to assume that the ore would have continued at least 50 feet below B north and B south, which would have added at least \$30,000.00 more to his estimate. (see map #3)

ROADS

There are two old wagon roads from the property, one connecting with the state highway from Prescott to Crown King, which is about one mile from the property, and it would cost about \$1,500.00 to put it in shape to transport machinery and supplies to the mine. By using this route, there would be about a 15 mile haul to and from Prescott, with heavy grades both ways, as you have to cross the range.

The other road is from the mine to Poland, which is about 4 miles to the north, a station on the Big Bug railroad. I was over a portion of this road, but did not see sufficient to base an estimate as to cost, which would require a survey to determine. I would favor the Poland route though it may cost more to construct; first, you would save a haul of 11 miles, second, less grade, third, would have less snow in winter and better road bed at all times with less upkeep.

POWER

I am fully convinced that electric power is the cheapest power to install, and I quote a letter from the Arizona Power Co., as follows:

Prescott, Arizona
November 12 1925

Mr. G.W. Sander
St. Michel Hotel
Prescott, Arizona

Dear Sir:

With reference to your inquiry regarding cost of service to Golden Oak property:

We have estimated the cost of the electrical installation to be in round figures, \$7,500.00 Our rules provide that a customer must advance the cost of construction from our nearest established circuits. You would be served from the Walker Substation.

It is possible of course that the cost might run less than this, but in all likelihood it will not vary 15% either way. We have included some extra for incidentals, so in all probability the cost would run less rather than more.

This construction cost advance is refundable at the rate of 10% of the aggregate monthly power bills each year.

With reference to the cost of power: this of course, varies up and down with the use and is affected by load factor. However for the purpose of estimating the cost, 10 horse power can be taken as cost \$800.00 per month. We could give you a close figure if you will give us individual motors, machinery to be driven and hours of operation.

If more detailed information is needed, we should be very glad to furnish same.

Electric power cost, if you use 100 h.p. or over would run about one half the cost of gasoline engine power and of course there is a considerably greater difference in our electric power costs and steam power costs.

Yours very truly,
THE ARIZONA POWER COMPANY
By W.V. Watson

AIR COMPRESSORS

An air compressor capable of furnishing four hundred

cubic feet of air per minute, at an altitude of 10,000 ft of the Chicago Pneumatic tool company or the Sullivan Machine Co., types, two-stage machines, electric driven, with receiver, would cost about \$3,000.00 f.o.b. Los Angeles Air Line from the compressor to the tunnels about \$2,00.00 more

AIR DRILLING MACHINES

The drifting machines for tunnel and shaft work with bar handle combined of the "Kraugh" type, model 337, built by the Denver Rock Drill Co., Denver, Colo. (Best on the market) would cost \$360.00 each, and the stopping machine (dry) \$205.00 (wet) \$230.00 each; this does not include hose and drill steel, and these prices are f.o.b. factory.

CARS AND TRACK

The mining cars will cost about \$125.00 each, and I am not sure as to the price of 16 pound rail, which would be heavy enough for all ordinary purposes, which could be replaced at any time with heavier, should conditions require. This weight of rail can be picked up in market (second hand) very cheaply, almost as good as new.

RECOMMENDATIONS

In case the property should be accepted, I would recommend that one of the first things done would be to let a contract on the main tunnel to have it widened in places where needed, for track and the tunnel be extended 100 to 150 feet farther along the vein, which would open up a large tonnage of ore for milling as well as high grade for shipment. Also that another tunnel be started at a point 175 feet lower than the present main tunnel on the vein for the purpose of undercutting all of the old workings and be pushed at the same time as the upper tunnel, during the installing of the mill and machinery. This work to be done by contract. I realize that hand work would be more expensive than machine work, but the tonnage opened up during the time would more than justify the extra expense, and you would be assured of an abundance of ore when the mill was ready for operation. It is true that roads and buildings are the first considerations, especially the roads; for the roads would have to be put in shape for getting in building material and machinery; the tents could be used until buildings could be erected. (see map #6)

MILL

Cannot give an estimate on mill until the ore has been tested and the bids have been received from the manufacturers of same, with specifications.

Think I have covered all the main features in the above report,
I am

Yours very truly,
(signed) Jas. E. Kenly
Mining engineer

Seattle, Washington
December 26 1925

A new road has been opened from Senator Highway into the property.