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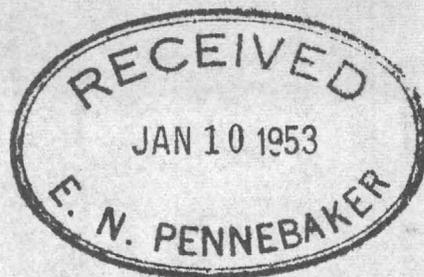
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Patagonia, January 8, 1953

Mr. Joseph S. Jenckes, Jr.,  
§ Evans-Hull-Kitchel & Jenckes, Attorneys,  
Title & Trust Building,  
PHOENIX, Arizona

Dear Mr. Jenckes:

I had a letter from Mr. E.N.Pennebaker concerning the sampling and mapping of the Bonanza mine, near Wenden, and inquiring as to my availability for doing this work, etc.

As this is the type of work that I make a specialty of doing, I will state my fees, schedule of time, and a rough estimate of what the job would cost, when it could be gotten out, etc.

I could get on the job anywhere from the 15th to 19th of January, and would figure on staying right there until it is completed, if that could be done within a week or so; if longer, I might have to come back here for several days and go back, as I am breaking in two new men and it is hard for me to line up work for them too far in advance, as yet.

If it were required, or advisable, I could bring along a helper or two, to actually cut the samples, but I would imagine that local miners would be available, thus cutting down on the overhead, due to travel-time and the expense of away-from-home maintenance.

On work of this nature my fee is \$5 per hour on the job (\$3 per hour, travel time for one round trip from here). Car mileage, 8¢ per mile from here, and back and forth to the mine; and \$6.00 per day for expenses (same for helpers). For helpers, \$2.00 per hour, including travel-time; and for a graduate Miner (Colo. School of Mines), \$2.50 per hour, if he is available at the time you set for this work. (He is now on a job in Bisbee for me, and should finish up in about another week, but the job might be weathered out, or more work added, so I can't say as to his availability yet).

So, if you will let me know as to your desires in this matter, we would be pleased to get on the job and get it out.

Yours,

A handwritten signature in dark ink, appearing to read "Robert Lenon". The signature is written in a cursive style with a large initial "R".

Robert Lenon, Reg'd. Mining Eng'r.

ROUGH ESTIMATE MAPPING & SAMPLING, NEAR WENDEN....

Engineer, 6 days at \$40.	\$240.
Travel-time, 12 hr. at \$3.	36.
Travel, about 600 mi. at 8¢	48.
Expenses, 6 days at \$6.	36.
Office-time, making map & prints	<u>50.</u>
Total	\$410.

Plus mileage to and from the mine, from Wenden.

Plus helpers' pay and maintenance (if required).

Plus assays, as required.

I have all equipment, including sampling equipment, picks, moils, hammers, etc., as well as surveying equipment, all of which are included in the above costs. Let me know what you have in the way of tools, though, so I won't have to bring a lot of stuff I won't need.

# LENON ENGINEERING OFFICES

ROBERT LENON, P.E.

EXAMINATIONS

SURVEYS

REPORTS

CONSULTING MINING ENGINEER

MAPS

REGIONAL MINERAL SURVEYOR

P. O. Box 525  
PATAGONIA

P. O. Box 257  
NOGALES

P. O. Box 1525  
B I S B E E

A — R — I — Z — O — N — A

Patagonia, January 8, 1953

Dear Penny:

I got your letter, and thanks a lot for the shot at the business....we are just in the middle of a "super" expansion program, having just hired two graduate eng'rs. (one Miner, one Civil), and are a little off-beat for that reason, but we are getting there, anyway.

The Miner is over Bisbee way, laying out lines for a magnetometer survey for P-D, and should be back maybe the middle of next week, but the weather is uncertain, and it may be that the work will be expended, etc., so I am not sure as to his availability too soon.

I finally got out my Yuma County map about the first of December, and will drop you a line as to the price as soon as I am sure of it....the Yuma Blueprint Co. is putting them on sale there, and I have forgotten what price we set on them, so have not sold any here. I have a letter off to them now concerning this, though.

We are proud parents (as of Hallowe'en) and I'll send you an official report on same (they are at home, and I am at the Office). It is embodied in our Christmas-card, of which I have only mailed about one-quarter to date, and I am happy to state that it was a boy (Bobby) and that he is already quite a character (naturally).

The baby was born in Nebraska, and we drove back here, arriving on Dec. 12th, and, with the two new helpers hitting here about then, I am extra-far behind, but we will either be on the map in about a year, or in Bankruptcy-court....

Regards, and thanks again,



Don Roberto (Sr.)

# LENON ENGINEERING OFFICES

ROBERT LENON, P.E.

CONSULTING MINING ENGINEER

REGIONAL MINERAL SURVEYOR

EXAMINATIONS

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MAPS

P.O. Box 525  
PATAGONIA

P. O. Box 257  
NOGALES

P. O. Box 1525  
B I S B E E

A — R — I — Z — O — N — A

Patagonia, February 24, 1953

Dear folks:

I got your letter this AM, so will peck out an answer while we're tied up in the Office with about a 6-inch snow. Lots of field-work to do, too, but it will have to wait.

The Bonanza folks had me all lined up to come to Phx. but they had a meeting and decided not to go ahead with the sampling, so I dunno if they have "blowed up" or not. Any-way I didn't get up there for them.

But many thanks anyway for steering the job my way, as if I didn't stray a bit afield now and then the pickings'd be a little slim in this limited area, so I always like to pick up some "funnin" capital as/when/if I can.

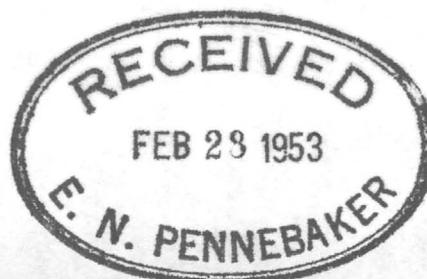
We finished up the Bisbee layout for the Company last week, and it was a good job....about 8 or 9 weeks in the field, and the weather was such that we only got weathered out once, and that was before Thanksgiving. Right unusual for Bisbee, but we just got done in time, I'm thinking.

That was quite a bit of traipsing-around that you got done in such a short time....the farthest away I have been since I saw you was to Hermosillo, and I thought I was quite a traveller, getting that far off home-plate.

Thanks again, and don't be overworking, or anything reckless like that....

Regards,

  
Roberto, el diablo



January 3, 1953

Mr. Robert Lenon  
P.O. Box 525  
Patagonia, Arizona

Dear Bob:

I have recently examined the Bonanza copper-gold mining property near Wenden, Arizona, with results that are, in my opinion, discouraging. However, the job was made difficult by the lack of sample data and sample maps. I have recommended that the mine be carefully and impartially sampled and have further recommended that you be engaged to do the job. As a result, Mr. Joseph S. Jenckes, Jr., a director of the Bonanza company, has requested that I find out if you could undertake this work at an early date.

The merits of the Bonanza mine are controversial, and the samples must be carefully cut at regular intervals with constant supervision on your part during their taking. The pay streak is generally very narrow, so the samples would need to be segregated into pay streak section and lean wall section to get the average value of a 5 or 6-foot stoping width and to see where the copper-gold values come from.

I would estimate that with the assistance of two miners the job would take about a week. You will need to put up a little scaffolding here and there to get at the stope backs. There are three levels a few hundred feet long at intervals of 110, 520, and 620 feet down an inclined shaft. A good hoist and hoistman are available. The workings are hot and stuffy, but there is plenty of compressed air to blow them out and make them comfortable.

You will need to survey the mine, either by compass and tape or by transit and tape. This need not be a precise and expensive job, the proper method being a matter for your judgment.

Please let me know if you are available for this work, and when you could do it, along with some rough estimate of what

Mr. Robert Lenon - Page 2 - January 3, 1953

it might cost (exclusive of assay charges). Kindly send a copy of your reply to:-

Mr. Joseph S. Jenckes, Jr.  
% Evans-Hull-Kitchel & Jenckes, Attorneys  
Title & Trust Building  
Phoenix, Arizona

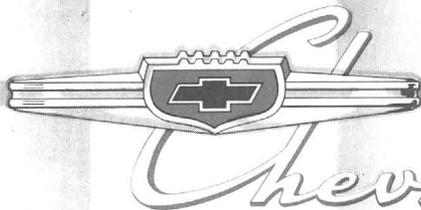
With kind personal regards,

Yours sincerely

E. N. PENNEBAKER

ENP:mc

cc - Mr. Joseph S. Jenckes, Jr.



**GRACE-BARROW CHEVROLET CO.**

200 SOUTH LOCUST      PHONE 2320      P. O. BOX 111

**DENTON, TEXAS**

December, 4th, 1952.

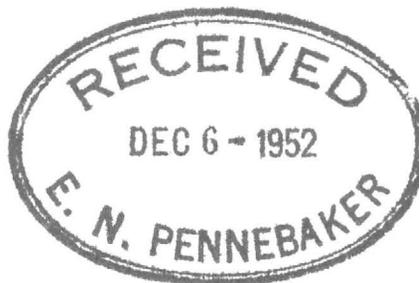
Mr. Pennybaker,  
Box 817,  
Scottsdale, Arizona.

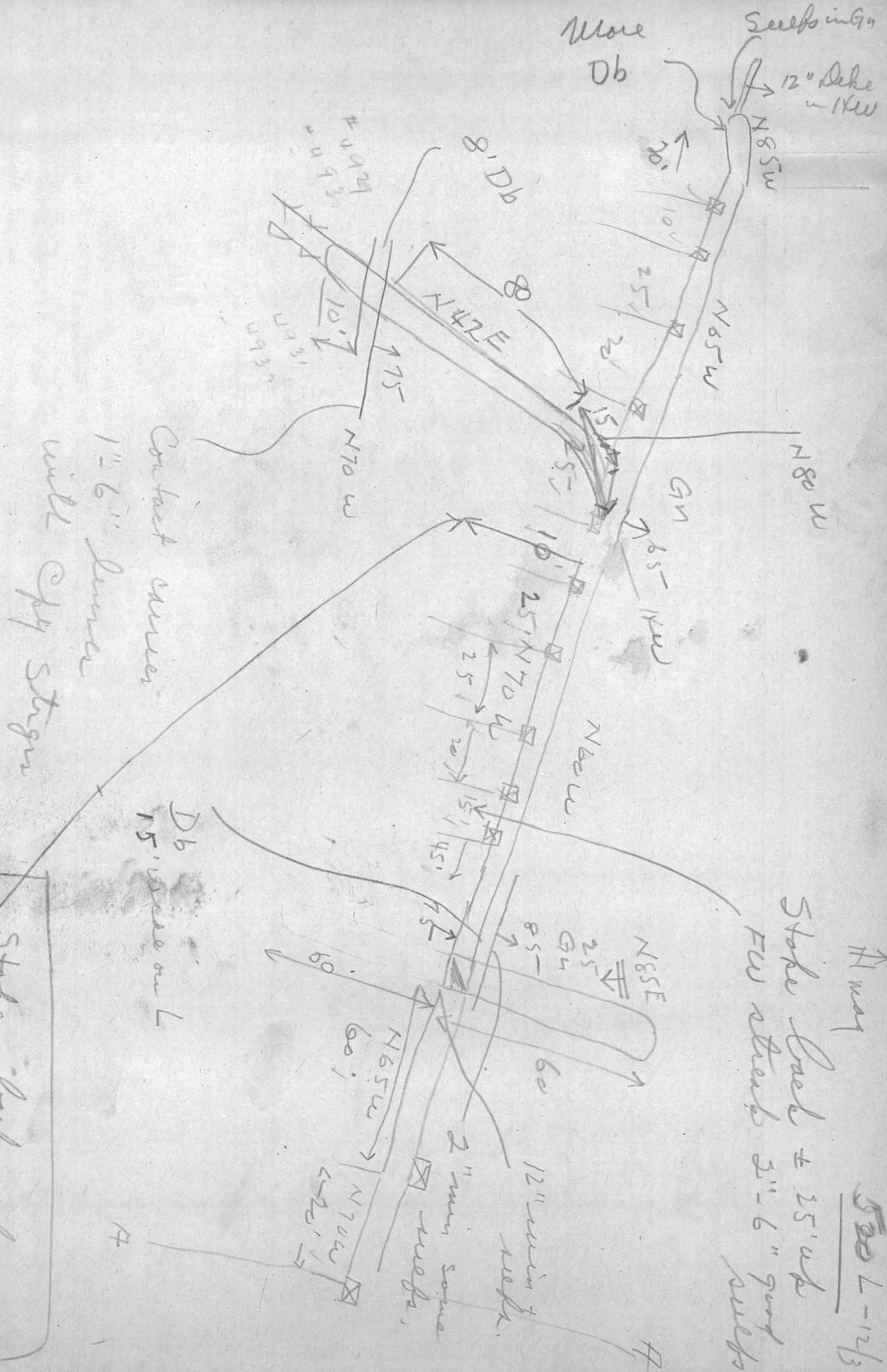
Dear Sir:

As per our telephone conversation I am enclosing herewith reports from San Francisco and Denver on samples from the Bonanza Mine at Wenden Arizona. These are the only ones that I have left and I would appreciate your returning them to me when you have studied them.

Yours very truly,

*W. D. Barrow*  
W. D. Barrow.





Contact zones  
 1"-6" lenses  
 with Chy Strata

Db  
 15' above on L

Stake back there is  
 ±60' up, FW streak  
 with 1"-6" bay  
 with Chy

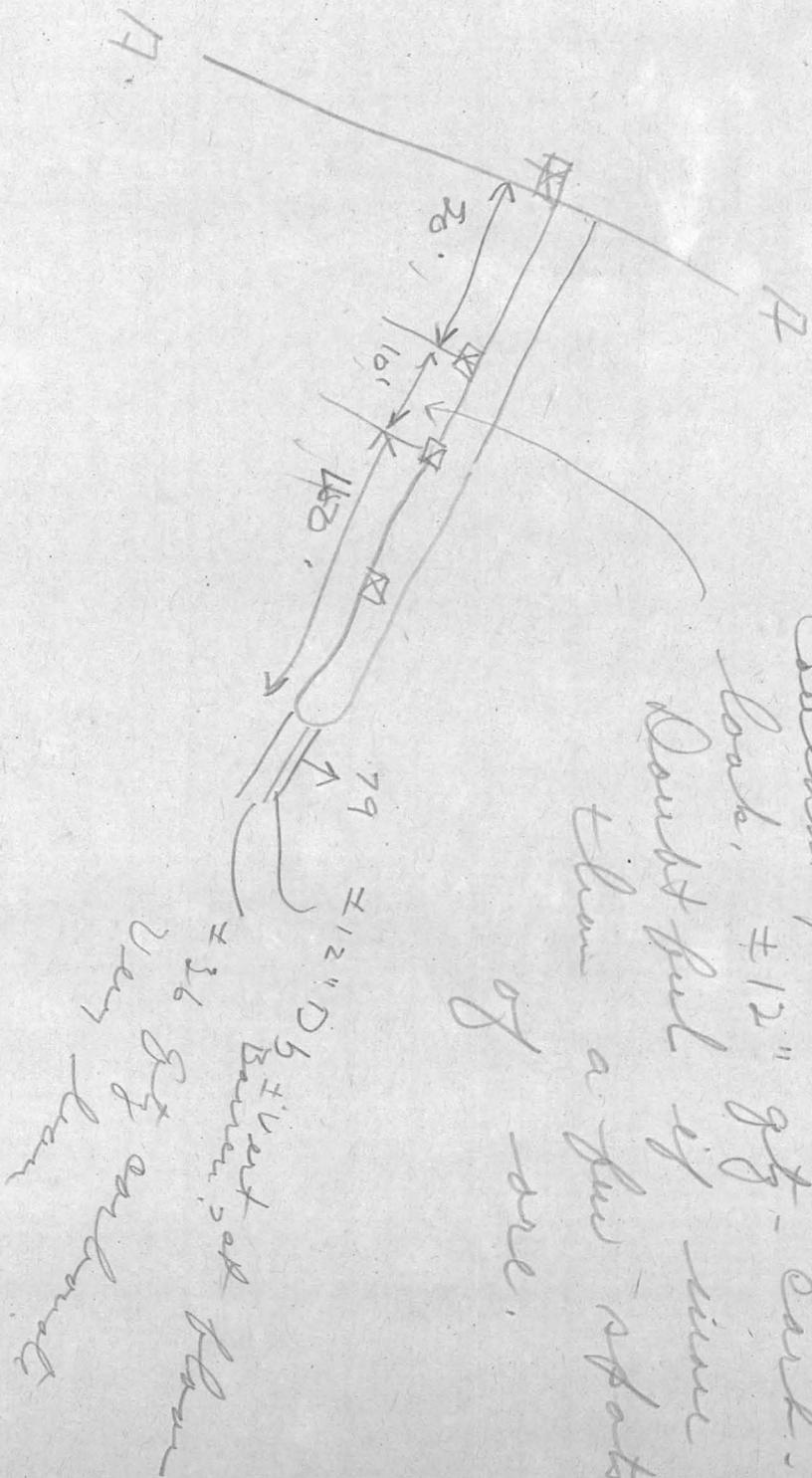
H way  
 Stake back ± 25' up  
 FW streak 3"-6" good  
 rocks.

500 L-12/3

2" mus. some  
 rocks,  
 12" mus. some  
 rocks.

500 L Counter

Couldnt get a good  
look, ±12" g<sub>g</sub> - can't.  
Doubt feel if more  
than a few spots  
of ore.





*Evans, Hull, Kitchel & Jenckes*

8<sup>TH</sup> FLOOR TITLE & TRUST BUILDING

PHOENIX, ARIZONA

FORMERLY  
ELLINWOOD & ROSS

WILLIAM A. EVANS  
NORMAN S. HULL  
DENISON KITCHEL  
JOSEPH S. JENCKES, JR.

JOHN E. MADDEN  
RALPH J. LESTER  
JOHN F. BOLAND, JR.  
EARL H. CARROLL

November 4, 1952

Mr. E. N. Pennebaker  
Post Office Box 817  
Scottsdale, Arizona

Dear Mr. Pennebaker:

The Bonanza Mining Company would like to have you, as soon as possible, make an examination of its mining properties near Wenden, Arizona for the purpose of determining the possibility of the profitable operation of said properties. You heretofore advised me that you would probably be able to undertake this work some time during this month. You also advised that if the geological examination appears promising, then we should secure a mining engineer, familiar with costs, to determine the amount and character of work and equipment which will be necessary to place the mine in operation. You suggested that Joe Strutzel would be a competent man to secure for such additional work.

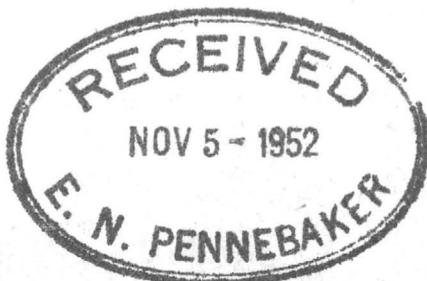
At your earliest opportunity will you kindly let me know as to when you would be able to proceed. In the interests of expediting the work, I would appreciate your getting in touch with Strutzel for the purpose of determining whether or not he would be interested in assisting in the matter assuming that your examination and report justify his appointment. If Strutzel will not be available, we can then be giving consideration to securing another competent man.

With kindest personal regards, I am,

Sincerely yours,

*J. S. Jenckes Jr.*

JSJ:af



FROM J. Frank Sharp, Exploration Superintendent  
 TO E. N. Pennebaker, Consulting Geologist  
 SUBJECT Bonanza and Bonanza Central Mining  
 Ellsworth Mining District, Yuma County,  
 Arizona

CITY Safford, Arizona  
 DATE June 2, 1952



CONCLUSIONS:

The property has some merit as a small mine. It has a wide zone for possible mineralization with persistent length and apparently depth. The narrow veins are high grade and at times widen out to two or three feet for short distances, which would make them attractive for a leasor. It was felt during the examination that if the dike accompanying the veins would assay, that there might be a chance of making a mine out of the property. All the samples taken was with this thought in mind.

The dikes are not sufficiently mineralized to make a good mineable width of ore. On the 500 level the dikes were sampled separate from the ore and the assays were:

Sample No.	oz. Au.	oz. Ag.	% Cu.
4929 - 2nd dike	0.01	0.03	0.27

The same dike on the 600 level assayed:

Sample No.	oz. Au.	oz. Ag.	% Cu.
4926 - 10' Cut dike	T R	T R	0.03
4927 - 8' cut dike	T R	T R	0.03

The bottom of the shaft was sampled with the same thought in mind. The full cut on the north side (sample No. 4917) assayed 0.06 Oz. Au., 0.03 oz. Ag., and 0.88% copper. Most of the values are confined to the six inch streak on the hanging wall (sample No. 4918) which assayed 0.19 oz. gold, 0.06 oz. silver and 3.16 % copper.

The eight cars of ore shipped from the run of mine material averaged 1.88% copper and 0.18 ounces gold. This material was partially hand sorted when crushed. This is higher than the assay of the broken material in the 500 level stope ( sample No. 4925) which assayed 0.77% copper and 0.03 ounces gold and also higher than the average for the bottom of the shaft which is 0.78% copper and 0.06 ounces gold.

The past record of the property has been the mining of the narrow silicious veins for the high gold content. I recommend that we make no further investigation on the property.

LOCATION:

The property is located seven miles northwest of Wenden, Arizona in the Ellsworth Mining District, northern Yuma County, Arizona. It is located about in the center of the Harcurvar Mountains, southwest of Cunningham Pass.

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CITY Safford Arizona

DATE June 2, 1952

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 5PROPERTY:

The property, as presented, is two separate incorporated companies in which Mr. Ray R. MacDonald and family hold controlling interest. (39?)

The Bonanza Mining Company which holds one group of thirty one claims and forms the eastern half of the property and (2) the Bonanza Central - 57 Mining Company which holds thirty six claims and forms the western half of the property. The two companies together own a strip of ground five to eight claims wide for a strike length of nine claims, or 13,500 feet.

The Bonanza Mining Company was organized and incorporated for 1,000,000 shares at \$1 par in 1948 or 49. The controlling interest was retained by the MacDonalds and amounts to over 52%. There is considerable outstanding stock and some treasurer stock.

The Bonanza Central Mining Company was incorporated for 1,000,000 shares at \$1 par and with a 71% interest retained by the MacDonald interests.

There has been trouble with the Arizona Corporation Commission concerning the stock and at the present neither company is licensed to sell same.

GEOLOGY:

The property covers a wide shear zone of Precambrian gneiss into which a number of persistent and parallel diabase dikes have intruded. The dikes cut across the schistosity of the gneiss. The dikes strike N 70° W and have varying dips from 45° to 75° to the northeast with the flatter dips being near the surface. The gneiss strikes N 70° to 80° W and with varying dips of from 30 to 55° to the southwest. This zone is approximately 1000 feet wide and extends the length of the property, across the mountain range, and disappears under the valley fill on both sides. The hanging wall dike of diabase is about 12 to 20 feet wide and is quite persistent. Some of the smaller dikes between the walls are not so easily traced on the surface and may not be as persistent. Along the foot wall of the zone is 15 to 30 foot width of fractured, altered and mineralized gneiss.

Accompanying the hanging wall dike, and some of the others, are narrow stringers of highly silicious ore. These stringers occur on the foot and hanging walls of the dikes and occasionally within the dike. On the surface the mineralization in the stringers is siderite, barite, iron oxides, copper oxides, chalcopyrite and silica.

In places the dikes have been hydrothermally altered and fractured. Where this occurs siderite and calcite are generally found filling the fractures.

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DATE June 2, 1952

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The probable sequence of events was: (1) Faults across the schistosity (2) injection of the diabase dikes (3) a minor amount hydrothermal alteration of the dikes and some faulting (4) mineralization in the form of pyrite, siderite, barite, silica and chalcopyrite. (5) oxidation in which chalcopyrite, siderite and pyrite have oxidized leaving some copper oxides and limonite, and (6) post mineral faulting parallel to and across the dikes and veins.

(1) The dikes necessarily were injected in along pre-dike faults or breaks across the schistosity of the gneiss. Underground the gneiss is altered and fractured near the dikes and becomes fresher and harder progressively away from the dikes.

(2 & 3) The dikes are pre-mineral. As the development of the mine progresses downward the dikes seem to become more mineralized with disseminated sulphides through them. When the dikes have been altered and fractured veinlets of siderite are present, this condition is generally more prevalent where hydrothermal alteration has taken place, (4) The major mineralization occurs as highly silicified veins or stringers along the hanging and foot walls of the dikes with an occasional stringer in the dike. The ore minerals in the vein are chalcopyrite with minor amount pyrite and gold. Siderite generally accompanies the chalcopyrite in stringers throughout the veins, (5) On the surface the veins have oxidized leaving limonite ( no boxwork), copper oxides and residuall grains of chalcopyrite. This oxidation follows the hanging wall stringers down the dikes and as it gets deeper the veins have chalcocite, native copper and bornite along with chalcopyrite. The gold is probably associated with the chalcopyrite or is very fine free gold as none is visible under the hand lens in the high grade material, and (6) There has been some post mineral faulting parallel to the veins and across the veins. Along the veins about two inches of unmineralized gauge is found, locally . Several faults offsetting the veins can be seen in the shaft. The throw on these faults is not much more than the width of the vein.

Accompanying this report is a short report on the property by Carl Trishka.

#### DEVELOPMENT:

The major development on the property since the incorporations is on the Bonanza Mining Company ground, on the Copper Matte No. 1 claim. An old shaft was down 250 feet when the new company took over. It is an incline shaft on the hanging wall side of a large diabase dike and varies in inclination from 45° to nearly vertical. It has been deepened to 640 feet and stations have been cut at 100, 520 and 620 feet. On the 100 level there is about 180 feet of drifting to the north and ninety feet of drifting to the south all along the vein. A x-cut has been driven into the hanging wall about ninety feet to another diabase dike. The vein on this level is oxidized and narrow. It widened to about eight inches in the end of the north drift and a small stope was mined. On the 520 level development consists of a 150 foot drift along the dike to the north and 90 feet along the dike to the south. A x-cut has been driven 100 feet in the foot wall to the next diabase dike. This level

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has been mined with the stopes up from 10 to 70 feet and about six feet wide. The hard gneiss hanging wall makes ideal shrinkage stopes.

On the 620 level, the development consists of 65 foot drift north to a x-cut. This x-cut is 110 feet long extending in the foot wall to the next diabase dike. A drift 55 feet along the dike to the south. A portion of this level has been mined.

At the present, the shaft is being deepened.

On the west end of the Bonanza Central Mining Company ground there are several old mines that were worked by leasers. Some of these workings are along one of the diabase dikes being developed in the Bonanza but 2000 feet west on strike. The other old workings are another dike 1000 feet west and 1000 feet south. These areas were mined for their high gold values and the ore packed by burro over the mountain to the Wenden road.

One diamond drill hole was drilled on the property in 1949. This hole was drilled east of the Bonanza shift. It was collared about in the center of the sheared zone and drilled at a minus 65° angle towards the foot wall. There is no log or assay record on this hole. It was drilled to a depth of 745 feet and it was verbally reported that the last 32 feet was soft and had to be pumped out with Homogel. This mixture of Homogel and rock supposedly ran around 3.5% copper. There is a mention of 14 feet of 4% copper ore at 360 feet in Burton R. Rose's Prospectus Geologic Report.

The zone cut at the end of the hole was probably the fractured and altered gneiss on the foot wall of the shear zone.

Some of the core from the hole is still at the drill site. The mineralized sections have been taken away and all that remains is fresh hard gneiss and an occasional hard diabase dike that has some pyrite mineralization.

#### PRODUCTION:

There are no production records from the older work on the west end of the property. This work was done between 1910 and 1945 and principally by leasers. The owner estimates \$225,000 of ore that averaged about \$100 per ton in gold and I would estimate about 10 or 12% copper.

There has been no compilation of production from the new development on the Bonanza shaft. I had access to part of the records and on eight cars of run of mine material which aggregated 348 tons and assayed 1.88% cu. and 0.18 ounces gold.

About 2000 tons of material from the 500 and 600 level stopes was milled in a gravity mill at Wenden. This mill consisted of a jig and two Wilfley concentrating tables. There was so much siderite in the ore that the concentrate obtained was practically all siderite and chalcopyrite. This concentrate averaged 6.00% copper, 0.54 ounces gold and the tailings averaged 1.80% copper and 0.16 ounces gold.

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RESERVES:

The latest stope map available is dated Feb. 29, 1952. Since that time stoping has been carried on quite extensively. The best estimate that can be made with the information at hand would be about 5000 tons of ore blocked out.

SAMPLING:

All the samples taken on the property were from the new development on the 500 and 600 levels. These samples taken are listed below.

Sample No.	Location	oz. Au.	oz. Ag.	% Cu.
4917	Bottom shaft North side - 5.9' cut	0.06	0.03	0.88
4918	Bottom shaft North side - 0.5' cut hanging wall ore streak	0.19	0.06	3.16
4919	Bottom shaft North side - 0.1' oxidized streak	0.02	0.02	1.44
4920	Bottom shaft North side - 0.3' siderite streak	0.03	0.02	1.16
4921	Bottom shaft South side - 4.6' cut hanging wall	0.11	0.06	1.11
4922	Bottom shaft South side - 2.8' cut foot wall	Tr	Tr	0.08
4923	Bottom shaft South side - 1.3 cut oxidized ore hanging wall streak	0.25	0.08	1.75
4924	500 level face stope } Vein only <i>wall?</i>	0.02	0.03	2.90
4925	500 level stope - Grab broken muck	0.03	0.02	0.77
4926	600 level foot wall x-cut -2nd dike 10' cut dike rock	Tr	Tr	0.03
4927	600 level foot wall x-cut -2nd dike 8' cut dike rock	Tr	Tr	0.03
4929	500 level foot wall x-cut -2nd dike 8' cut dike rock	0.01	0.03	0.27
4930	500 level foot wall x-cut -2nd dike 8' cut gneiss northside	Tr	0.06	0.01
4931	500 level foot wall x-cut -2nd dike 4' cut gneiss southside	0.01	0.03	0.30
4932	500 level foot wall x-cut -2nd dike ore streaks	Tr	Tr	0.04
4933	High grade	3.58	0.28	22.93

EQUIPMENT:

The property is well equipped. There is a 150 H. P. single drum electric hoist, a stand by gasoline hoist, an Ingersol Rand compressor, a crushing plant at the shaft collar which is capable of crushing about five tons

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an hour down to  $\frac{1}{4}$  mesh, two mucking machines and all the necessary small tools.

A make shift mill is owned in Wenden. This consists of a jig and two concentrating tables and several sand pumps.

TERMS:

The MacDonald interests want a monthly payment of \$550 until after the exploration period is over and then a yearly or some payment arrangement for their stock. No commitment could be obtained of the value they place on this stock.

SUMMARY:

The property has several points to it's advantage. A wide shear zone with numerous dikes along which mineralization has taken place. Persistent length along the zone and high grade material in narrow streaks along the dikes.

The disadvantages are: The dikes in most part are not mineralized sufficiently to make ore. The veins are to narrow to mine a reasonable stope width and make ore.

CC: Mr. A. J. O'Connor  
Mr. T. G. Moore  
Encls.

*J. Frank Sharp*

Warren, Arizona  
October 31, 1951

Mr. Roy H. MacDonald, President  
Bonanza Mining Company  
Wenden, Arizona

Dear Mr. MacDonald:

Herewith please find, as requested by you, a  
report on the Bonanza Mining Company mine property.

I wish to thank you and your staff for the kind  
assistance and courtesy extended to me while at the  
mine.

Sincerely,

*Carl Trischka*

Carl Trischka

A REPORT ON THE  
PROPERTY OF THE BONANZA MINING COMPANY  
WENDEN, YUMA COUNTY, ARIZONA

CONCLUSIONS:

From a survey of the surface conditions and the workings there, as well as of the underground workings, it is believed that the proposed development program to prospect for the ore is justified. It has a reasonably good chance of opening up good grade ore in sufficient quantity not only to operate the pilot concentrator but for a larger plant.

Through lack of knowledge and opportunity to investigate elsewhere the feasibility of the proposed process of concentrating the ores, no personal opinion regarding its success or failure is possible.

LOCATION:

The mine is located seven miles north of Wenden, Arizona in the Harcuvar Mountains.

CLAIMS:

They consist of two groups of unpatented claims which are continuous. The southern half of 31 claims is incorporated under the name of the Bonanza Mining Company and the shaft from which the present work is being done is located here. Very little surface work has been done on these claims.

The northern group with 36 claims is incorporated as the Bonanza Central Mining Co. This half, it is said, has been worked profitably in the past from the surface on showings identical with those of the southern half.

GEOLOGY:

The claims cover a very wide zone of parallel and remarkably persistent and continuous diabase dikes at least eight in number, in a shear zone in gneiss. These dikes contain veins which run along, in and parallel to the dikes and dip with them steeply to the east. The original mineralization in them was chalcopryrite (copper, iron sulphide) and silica. On the surface most of this chalcopryrite has been altered to oxides with some residual nuggets of chalcopryrite.

The number and strength of the mineralization of the vein dikes as well as the longitudinal extent speak well for the chances of finding good ore in depth.

The shaft is being sunk on one of the vein dikes known as the hanging wall vein and is down to the 600 level where a station is being cut preparatory to drifting both ways on the vein. Some oxidation is still found here and will be found until the permanent water level, at a still undetermined depth, is reached.

Increasing amounts of sulphide ore is reported as having been found in the shaft during sinking, especially in the lower part.

There is a 500 level in the shaft from which a one-hundred foot drift has been driven to the south and a two-hundred foot drift to the north. About 150 feet of this drift has been prepared for stoping of ore which with the ore from the further development work will be sent to the concentrator which is being built at Wenden when it is ready to operate.

The 500 level drifts found sulphide ore containing some oxides.

It is very likely that the amount of sulphide, hence the value of the ore will increase during the further sinking of the shaft also with depth below the surface in the north drifts because these drifts gain considerable ground over them as they are advanced.

The less the amount of the oxides the better the chance of good recoveries of the values of the ore if the flotation process of concentration is employed.

#### GENERAL:

The plant on the surface is in excellent condition and adequate for the proposed development program, which is to sink the shaft and drift on the vein on a number of the lower levels and to run crosscuts to pick up the several veins parallel to the hanging wall vein.

An inclined 700 plus foot diamond drill hole from a point south of the shaft cut a number of the above mentioned dike veins in which it is reported sulphide ore was found in several of them.

Two crushers are being installed at the shaft in which the ore will be crushed to a size suitable to be used in the concentrator at Wenden.

The proposed process for beneficiating the ores at the concentrator at Wenden is not standard practice. It is an innovation and if it is successful in fulfilling the claims made for it, it should be able to make a profit for the Bonanza Mining Company.

Assay results from shipments to the smelter of the material found in shaft sinking and development work on the 500 level are used to evaluate the ore. This method is superior to channel sampling and was used.

February 22, 1953

Mr. Robert Lenon  
P.O. Box 525  
Patagonia, Arizona

Dear Bob:

Since last seeing you in Nogales I have  
toured Mexico, been to South America, and  
made two trips to Los Angeles. Now I hope  
to stay home for a while.

Let me know what happened with regard to the  
sampling job at the Bonanza mine.

With kind regards,

Yours sincerely

E. N. PENNEBAKER

ENP:mc

December 19, 1952

Mr. Allan G. Munroe  
Security Building  
Phoenix, Arizona

Dear Sir:

I am returning herewith various records of ore and concentrate shipments from the Bonanza mine that you recently furnished me.

Yours very truly

E. N. PENNEBAKER

ENP:mc

December 19, 1952

Mr. W. D. Barrow  
P.O. Box 111  
Denton, Texas

Dear Mr. Barrow:

I am returning herewith various metallurgical data on ore from the Bonanza mine that you recently sent me.

I have recently submitted my report on the Bonanza properties to Mr. Joseph S. Jenckes of the firm Evans-Hull-Kitchel & Jenckes in Phoenix, and I am sure he will forward a copy along to you.

Yours very truly

E. N. PENNEBAKER

ENP:mc

December 19, 1952

Mr. Edwin W. Mills  
Consulting Mining Engineer  
Salome, Arizona

Dear Mr. Mills:

I am returning herewith reports on the Bonanza mine by R. Burton Rose that you left in my car about two weeks ago.

With best wishes at the Holiday Season, I remain

Yours sincerely

E. N. PENNEBAKER

ENP:mc

December 15, 1952

Mr. Joseph S. Jenckes, Jr.  
Evans, Hull, Kitchel & Jenckes  
8th Floor Title & Trust Bldg.  
Phoenix, Arizona

Dear Mr. Jenckes:

Following authorization in your letter of November 4, 1952, I have recently examined the property of Bonanza Mining Company near Wenden, Arizona, and enclose herewith four copies of my report.

As regards the sampling of the mine, as proposed in the report, I can recommend that this be done by Mr. Robert Lenon, P.O. Box 525, Patagonia, Arizona. He is a capable engineer and his rates are reasonable. To make a map, cut the samples, and assay them should not cost over \$750.00.

In addition to the points discussed in the report, I believe this sampling should be carried out for two reasons: First, regardless of the future action decided upon, the sampling results will support this procedure before the stockholders. Secondly, if the mine should be closed down, rumors will arise as to the ore left behind, and this will get bigger and richer as time goes on. A reliable sampling record will forestall such rumors and uphold the course of action taken.

I am returning herewith copies of reports by Rose and Trischka that you loaned me some time ago.

Enclosed you will find a statement in duplicate for my services.

I shall be glad to advise Mr. Lenon regarding sampling procedure at the mine and review his results without any further charge to the company.

With best holiday wishes, I remain

Yours sincerely

E. N. PENNEBAKER

ENP:mc