CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
http://www.azgs.az.gov
inquiries@azgs.az.gov

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Reconstruction Finance Corporation Arizona Records

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RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
MEMORANDUM REPORT
****

Borrower: Grace M. Sparkes
Docket No: B-ND-4202
Date of Visit: September 10, 1947
Date of Report: September 12, 1947

In a recent issue of the "Mining World" it was noticed that some activity was in progress at the "State of Texas" mine. A visit was made and both Miss Sparkes and Mr. Perry Bones were at the property.

It turns out that no new ore has been found but that a geophysical survey made by some one (Miss Sparkes would not tell me who) had blocked out a body of ore 400 feet deep and 125 feet long to the south of the present worked out ore shoot. Also, they told here that the diamond drill hole just missed hitting this orebody by five feet. She wanted to know whether or not the RFC would loan her some money to build a mill now that the ore had been found by geophysical methods; also whether or not money would be available to diamond drill the property. I gave her the facts under which loans are now granted.

She is still bitter that the RFC did not see eye to eye with her regarding the granting of additional money to develop the property, but when I left she was in very good humor.

I am convinced that any readings of the geophysical instrument which indicated ore are those of a fault to the south that brings down the Cretaceous sediments against the Paleozoic and that the chances of finding any ore are meager.

CHARLES A. RASOR
Supervising Engineer

CAR:gmk

XXXXXXXXXXXXXXXXXXX
325 Heard Building
Phoenix, Arizona
November 19, 1946

TULLY - Chief - Mining Section, RFC - Washington 25, DC

Re: Grace M. Sparkes - Docket No. B-ND-4202

Some time last spring an inquiry was made as to the activities of Grace Sparkes. Mr. Gohring replied on June 6, 1946, that when he had an engineer in that region he would have him check up on the project.

I visited the project on November 14, 1946, and found Miss Sparkes, her sister and Mr. Perry Bones living at the property. Miss Sparkes is very bitter toward me and Mr. Gohring, the RFC in general, the Metals Reserve, the OPA, the WPB, the Bureau of Mines, Shattuck Denn and everybody who has ever visited the property or has had anything to do with it. Reiteration of all her gripes would serve no useful purpose, but her chief bitterness toward me regards the decline on her second application and the fact that I accepted information obtained in Tombstone on the amount of ore supposed to be present in the caved shaft. She is living in hopes that eventually a report on the shaft will turn up and cause the RFC to retract its position.

She claimed that new evidence was found in the shaft dump to substantiate the belief that the shaft went through ore. I expected to find additional trenching, but saw nothing different than was seen before. I even scrutinized the dump more thoroughly, but I could only find two small pieces of sulfide bearing rock. Again Mr. Perry Bones took me all over the property and to some places not seen before. Miss Sparkes tagged along. The new places were small isolated limestone masses resting on the intruded granite where the old original locators had sunk small inclined winzes. All these places only strengthened the belief that additional ore is unlikely and that the stope from which the ore was mined represents only a larger isolated limestone mass. A person with only a modicum of intelligence can see the facts, but it is useless to argue with Miss Sparkes.

The camp is in good shape. All the buildings have been repainted gray with green trim and enclosed by a steel wire fence. They have developed a new source of water supply, and have tried to interest outside capital, but without success. Miss Sparkes has had a geophysical examination made of the property. She would not tell me who made the examination.

She has bought a Mineral Light lamp and has gone nutty over the supposed presence of willimite and its importance on the surface.

Miss Sparkes says she will not give up hope of finding a new ore body or the mine until she dies. In that case, it is unlikely we can get our equipment until she dies.

CAR

CHARLES A. RASOR
Supervising Engineer

CAR:gmk

RECONSTRUCTION FINANCE CORPORATION

MINING DIVISION

REPORT OF SUPERVISING ENGINEER

Docket No. B-ND-4202	
Date of Authorization for Examination:	June 28, 1944
Date of Examination:	July 10, 1944
Date Application Received :	Aug. 21, 1944
Date of Report :	Aug. 22, 1944

This report covers applicant's request for an additional development loan of $9000.00 to sink a 100 foot shaft and purchase additional equipment.

Around June 28, 1944, applicant and Mr. Bones came to this office to discuss the possibility of an additional loan after the drilling had showed negative results. They had the belief that regardless of the negative results from diamond drilling, there was an orebody somewhere in the mountain. Discouraging the applicant was a hopeless process, so it was agreed that if Mr. Bones could uncover some ore for sampling, I would make an examination. The date of July 10, 1944, was set for the examination. The examination was made but the applicant did not submit an application until August 21, 1944. I shall now discuss the results of the diamond drilling. The Engineer Examiner may as well use my report of May 5, 1944, in determining the merits of this application as the results of this examination did not change my previously stated ideas.

I have shown the diamond drill holes on the attached map and will discuss briefly their results. During my examination of March 30, 1944, Mr. Perry L. Bones, mine manager, brought up the question of diamond drilling. I agreed that some drilling would be useful as a last resort in locating any ore, as there was sufficient finances in the account to do the limited amount specified.

In confirmation of that discussion, Mr. Bones wrote Mr. Gohring on April 11, 1944, asking for permission. In addition he states in regard to the anticipated results:

> "We anticipate this drilling to be done in the floors of stopes, drifts and crosscuts - five holes in all - 50 ft. lengths - - - - - If the ore can be picked up, and we feel it can, we should be able to do it with the 50 ft. holes."
>
> "We feel that this is cheaper and quicker for the immediate present, than driving crosscuts, drifts and winzes, and no doubt should give us just as clearly a picture as the drifting."

During my examination I found that the drilling had been carried out in good fashion and the cores placed in boxes in the usual manner. Examination of all the cores revealed not a single speck of sulfide mineralization. The rocks cut consisted of marble and granite. Contact silicates replaced much of the marble in some holes.

Diamond Drill Hole No. 1 in face of crosscut to the north was pointed down 37° from the floor. It cut a distance of 50 feet. No ore found.

Diamond Drill Hole No. 2 in same cross-cut was pointed upward 45° from roof. It cut thru marble for a distance of 50 feet.

Diamond Drill Hole No. 3, in same cross-cut, was pointed back under stope at a downward dip of 39°. It cut a distance of 50 feet. No ore was disclosed.

Diamond Drill Hole No. 4 was pointed 5° in face of Iron drift. It cut a distance of 50 feet through specularite and garnet. No ore.

Diamond Drill Hole No. 5 was pointed downward 30° near west end of fault zone. It followed in and out of zone for 50 feet. No ore was disclosed.

Diamond Drill Hole No. 6 was directed between two places. It was first started in floor of stope near entrance of adit to stope. It was pointed at an angle of 85 degrees. Granite was encountered after 18 inches and the hole stopped at 23 feet. The rest of the 50 feet was used in driving a hole Near No. 5. It was pointed down at an angle of 30 degrees. Only 20 feet was cut as the last three feet were in granite.

Mr. Bones also put down two jackhammer holes 6 feet. Both these holes cut granite within 6 inches of the floor.

Thus it is believed that the diamond drilling was adequate and properly handled to prove that there is no extension to the body of ore already mined. As far as I am concerned the drilling definitely proved my ideas as expressed in my report of May 5, 1944. It also proves that the granite is much closer to the orebody than I originally showed and tends to prove that the granite came in along the thrust plane.

Miss Sparkes is not satisfied with the drilling, because ore was not found. She is also of the opinion that some place in her father's effects there is a record of diamond drilling from the 250 foot shaft. She has been unable to locate these records, she says. I have uncovered information in Tombstone that records were not kept of the drilling and therefore Mr. Sparkes could never have had any records.

My information comes from a man who has examined this property many times and was present with the former owner when the drilling was done. Gus Barron owned the State of Texas mine and the shaft was sunk 250 feet during the period when a company was sinking the 1000 foot shaft in the Tombstone district. Diamond drilling was done from bottom of shaft but no ore was found either in the shaft or in the diamond drill holes. An examination of the dump bears out the fact that little if any ore was encountered in sinking the 250 foot shaft. Most of the rock is granite and limestone. A little magnetite shows in a small pile near the caved collar.

Thus there is little evidence to submit in recommending an additional loan on this property. It thus appears that the ore was restricted to a small area. Drilling has proven that there are apparently no extensions. Such work as the applicant proposes is in the nature of prospecting, a purpose for which loans are not granted. Therefore I do not recommend an additional loan.

CHARLES A. RASOR
Supervising Engineer

Attachment -
Map

Phoenix, Arizona
325 Heard Building
May 19, 1944

Grace M. Sparkes
P. O. Box 346
Prescott, Arizona

Re: Grace M. Sparkes
Docket No. B-ND-4202

Dear Miss Sparkes:

I have discussed your request with Mr. Gohring, which concerns the drilling of a 100-foot hole near the center of the big stope. We do not have Washington's approval for this work, but we believe it will not be out of line for you to drill one hole, 100 feet in depth. Should this hole not strike ore, it will be inadvisable for you to ask for more drilling, such as fanning out two more holes.

There has been an excellent shoot of ore at the State of Texas Mine, but apparently it is now about worked out. This happens to all ore shoots. However, by drilling you hope to find the extension of this shoot or the presence of another. But remember, to drill blindly in the hope of encountering an ore shoot is a hazardous proceeding and usually ends in disappointment.

Nevertheless, I hope you strike a rich ore body with this drill hole.

Very truly yours,

Charles A. Rasor
Supervising Engineer

CAR-b
cc/Perry L. Bones
P.O.Box 1692
Bisbee, Arizona

****

325 Heard Building
Phoenix, Arizona
May 13, 1944

(retain file RJC)

Perry L. Bones
P. O. Box 1692
Bisbee, Arizona

Dear Mr. Bones:

We were sorry to hear that the drilling did not show up any extension of the ore.

Mr. Gohring sends his regards and asks that you keep the drill cores intact until we look them over. They may have to be stored for future reference.

I will try and be down your way in the near future.

Best regards.

Very truly yours,

Charles A. Rasor,
Supervising Engineer

CAR/b

RECONSTRUCTION FINANCE CORPORATION

MINING DIVISION

MEMORANDUM REPORT OF SUPERVISING ENGINEER

Docket No. B-ND-4202 - - - -Grace Sparkes
Date of Examination - - - - May 7, 1943
Date of Report - - - - - - - - May 15,1943

I last visited the mining property operating under the above docket number on March 26, 1943, and noted what progress had been made from first disbursement of loan funds. The two things brought out was the erection of a fine camp and the lack of any development.

This examination reveals the engine and compressor in working condition. However, there has been shut-downs because of worn-out parts in the second-hand equipment. A building was placed over the compressor and a change room built.

WATER:

Sources of water on property have been exhausted. Applicant now hauls water for mining and domestic purposes from a ranch near the Mexican Border.

DEVELOPMENT:

Applicant has drifted 25' east and 15' west as outlined in original development program.

Drifting west has exposed the granite cutting off the limestone beds. In addition, the ore horizon has narrowed to 3' and appears pinching westward. Mr. Bones was discouraged for he had previously stopped the drift going east because of low grade exposures. During this development work, one car of ore was shipped, but returns were not available. There was about 20 tons on another car in the bin, and Mr. Bones was intending to continue the west drift a few more rounds, but if the ore showing continued to fade, he was intending to discontinue drifting and mine out exposed ore in the stope.

Mr. Bones appears to lack mining experience, except in the operation of a stationery "hot head" engine.

I believe this project will go under within the next month or two. The applicant has around $1,400.00 or the original loan of $14,000.00 and this is woefully inadequate for the proposed development program. It is unfortunate that so much money was allocated to building a camp before any development was undertaken for this camp is the laughing

stock of Southern Arizona. The small amount of development work has not revealed anything to change the impression that this is a worked out stope with a shell of ore.

CHARLES A. RASOR
Supervising Engineer

CAR:MJ

Field Office
Date

PRODUCTION REPORT

Period covered
From to

	Project	Docket No.	Name Smelter or Mill	Shipment Lot No.	Dry tons shipped (ore or conc.)	Settlement Assay Au	Ag	Pb	Cu	Zn		Net Pay. less Frt & treatment	M.R.C. bonus	Total Payment	Metal Content Ozs Au	Ozs Ag	lbs Pb	lbs Cu	lbs Zn		Are more shipments expected?
1	Grace 3/13/43 Shrubes	B-NP 4202	Shattuck Denn Mue	1	57.373	.045	8.90	5.25	.36	17.00		730.62	573.48	1304.10	2.582	510.62	6024	413	19507		yes
2	Lot 59 5/3/43	"	"	2	54.682	.02	8.50	4.05	.28	10.70		464.77	721.12		1.094	464.80	4429	306	11702		yes
3	Lot 63 5/25/43	"	"	3	49.687	.01	2.75	1.42	.34	14.6		360.01			.497	136.64	1411	338	14509		
4	6/2/43			4	106.337	.02	10.95	4.05	.52	16.40		1238.82			2.127	1164.4	8613	1106	34,879		
5				5																	
6	Lot 68 6/11/43			6	55.279	.015	10.70	3.67	.71	19.40		785.56			.829	591.49	4057	785	21448		
7	73 6/21/43			7	45.527	.018	5.06	1.70	.35	12.70		306.10			.819	230.37	1548	319	11564		
8																					
9																					
10																					
11																					

Note: Pertinent remarks concerning any project may be made on the reverse side and identified by referring to line number.

Signed:

Supervising Engineer

325 Heard Bldg.
Phoenix, Arizona
May 5, 1944

TULLY - Asst. Chief - Mining Section RFC - Washington

Re: Grace Sparkes - Docket No. B-ND-4202

Enclosed please find my Memorandum Report in duplicate, on the above captioned project.

CAR
CHARLES A. RASOR
Supervising Engineer

CAR:MHW
Encs.
Memorandum Report in duplicate with map attached.

RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
MEMORANDUM REPORT OF SUPERVISING ENGINEER

Docket No. B-ND-4202
Grace Sparkes
Date of examination - March 30, 1944
Date of report- - - - May 5, 1944

I made a supervisory examination of the Borrower's property on March 30, 1944, At this time, I spent considerably more time in trying to determine whether or not the Borrower will be able to uncover additional ore beyond the present stope which is all most worked out except for the ore in the roof. The Borrower has been writing about applying for a Development loan as she considers the present loan as a mining loan. As I recall, the original loan was set up as a development loan, but the Borrower spent too much money on camp facilities and was forced to start mining ore to keep going. When this property was examined by Mr. Campbell, former Supervising Engineer, he and Mr. Bones agreed on certain work to develop the ore body, and during my supervision of this project, I have mapped and noted every change.

I have prepared a new map and section in an effort to determine whether or not the present stope represents all the ore that will be found or whether there will be other areas within the immediate vicinity favorable to ore deposition.

Mr. Bones has prospected thoroughly, nearly all the avenues to determine laterally extension of the ore. First, he crosscut sbuth 40 feet back under the stope and found nothing. Next he went east through barren rock for 15 feet and raised. There was no mineralization. Then he crosscut 35 feet north of the fault and found nothing but barren limestone or marble. Later on he drove northeast beyond the same fault and found a massive area of sphcularite and when the drilling got tootough stopped. Finally he drove out west and south of the stope and this work turned out to be barren. During this time Mr. Bones put down three winzes below the floor of the stope. These are marked on the map. No ore was found in any of these winzes. Two showed contact mineralization, namely epidote, marble, garnet and specularite. The third hit granite.

Originally there was a winze down along what is known as the fault. I do not know how deep this was, but apparently at the bottom there was a crosscut to the north. Mr. Bones has filled this winze completely with muck. Also it has been assumed that the fault cut off the ore, and that it should be found some place on the other side. To date I have been unable to convince myself that this is a fault and that it cut off the ore.

I have classified this ore body as characteristic of the contact-metamorphic or pyrometasomatic type because of the metasomatic changes in limestone near the intrusive contacts. The minerals include specularite, garnet, diepside, epidote, other silicate minerals not recognized, sphalerite, galena, chalcopyrite and calcite. From the facts so far ascertained the ore deposit is restricted in area to the limestone side of the contact zone and to a roll that is elongated and which apparently narrows out like an end to a funnel. This roll probably was formed by the intrusive which is so near.

This mine is in a small block of limestone surrounded by intrusive granite except for the cretaceous sandstones to the south. This block of limestone has been thrust over the sandstones which strike and dip at right angles to the limestone and in places along the thrust plane granite has worked up. Granite undoubtedly is beneath the limestone. Thus, there is but a small area in which to prospect for additional ore. Sometime previously a shaft was sunk 250 feet near the upper contact between granite and limestone, but judging from the material on the dump, very little minerilization was encountered. All of these data tends to the conclusion that there is very little chance to find additional ore.

Mr. Bones has all most come to the conclusion that the ore is out in the "air". This is a justifiable conclusion which I agree in writing but not to Mr. Bones. Experience in talking with Mr. Bones is to tell him very little, otherwise if it doesn't agree with him he adversely criticizes. One of our engineers experienced that as well as a member of the War Production Board and the Geologist for the Arizona Bureau of Mines and Geology. He wants to hear all about the mine but hates to accept the truth knowing full well that it agrees with his own thoughts.

When the question of diamond drilling beyond the present exposures came up, I agreed that a certain amount of work should definitely prove whether or not there is any additional ore. He agreed that if no ore was found in five 50 foot holes, it was unlikely that ore would be found and that he would strip out the remaining ore in the roof.

I am of the opinion that ore will not be found in any considerable quantity and that when the work is done neither Mr. Bones nor Miss Sparkes will believe that ore does not occur some place in the nearby vicinity.

I have met Miss Sparkes once for a few minutes on my way to an examination in the Kingman area, but in those few minutes I was told about a number of things and one thing in particular that irked her was the Quota Committee. She believes that since the Quota Committee shows in its shhedule Zero Quota A, B, C on zinc, Zero Quota A, B on lead and a special premium on copper she should be entitled to all regardless. This is evident in her persistent letters to the Reconstruction Finance Corporation and the Quota Committee.

Also, she is squawking that she hasn't made a "thin dime". When people borrow money, they usually don't make any money for themselves until the loan is paid out.

Only through persuasive suggestion have we been able to get the Borrower to pay five $1000 notes. Thus the borrower has $9000 yet to pay. During the year 1943, the Borrower shipped 972.9 tons of complex sulfide ore averaging 0.047 ounces gold, 7.71 ounces silver, 0.53 percent copper, 3.18 percent lead, and 14.5% zinc. This ore produced 282,109 pounds of zinc, 61,845 pounds of lead, 10377 pounds of copper, 7497 ounces of silver and 45.8 ounces of gold for a total mill value to the Borrower of $9,797.96. Premiums amounted to $13,571.07.

During 1944 the Borrower has shipped 156.2 tons of ore with a total metal content of 47,813 pounds of zinc, 5237 pounds of lead, 2555 pounds of copper, 951 ounces of silver and 8.4 ounces of gold. This brought the Borrower $1368.87 from the mill and $2383.81 in premiums.

There is another car being loaded out and if no more ore is found for development there should be 5 or 6 cars in the roof to strip and ship.

When the drilling is over, undoubtedly the Borrower will submit an application for a development loan regardless of the results obtained in drilling. If no ore is found in drilling such an application will be exploratory rather than development and then the sparks will sizzle.

CAR
CHARLES A. RASOR
Supervising Engineer

Attachment
Map

325 Heard Bldg.
Phoenix, Arizona
December 23, 1943

TULLY - Ass't. Chief - Mining Section RFC - Washington, 25, D. C.

Re: Grace M. Sparkes - Docket No. B-ND-4202

I enclose the original and one copy of my Memorandum Report on a recent examination of the borrower's mining property.

CAR

CHARLES A. RASOR
Supervising Engineer

CAR:dem
2c Memo.Report
enclosed

RECONSTRUCTION FINANCE CORPORATION

MINING SECTION

MEMORANDUM REPORT OF SUPERVISING ENGINEER

Docket No. BND-4202
Grace M. Sparkes
Date of Examination: Dec. 8, 1943
Date of Report: Dec.20, 1943

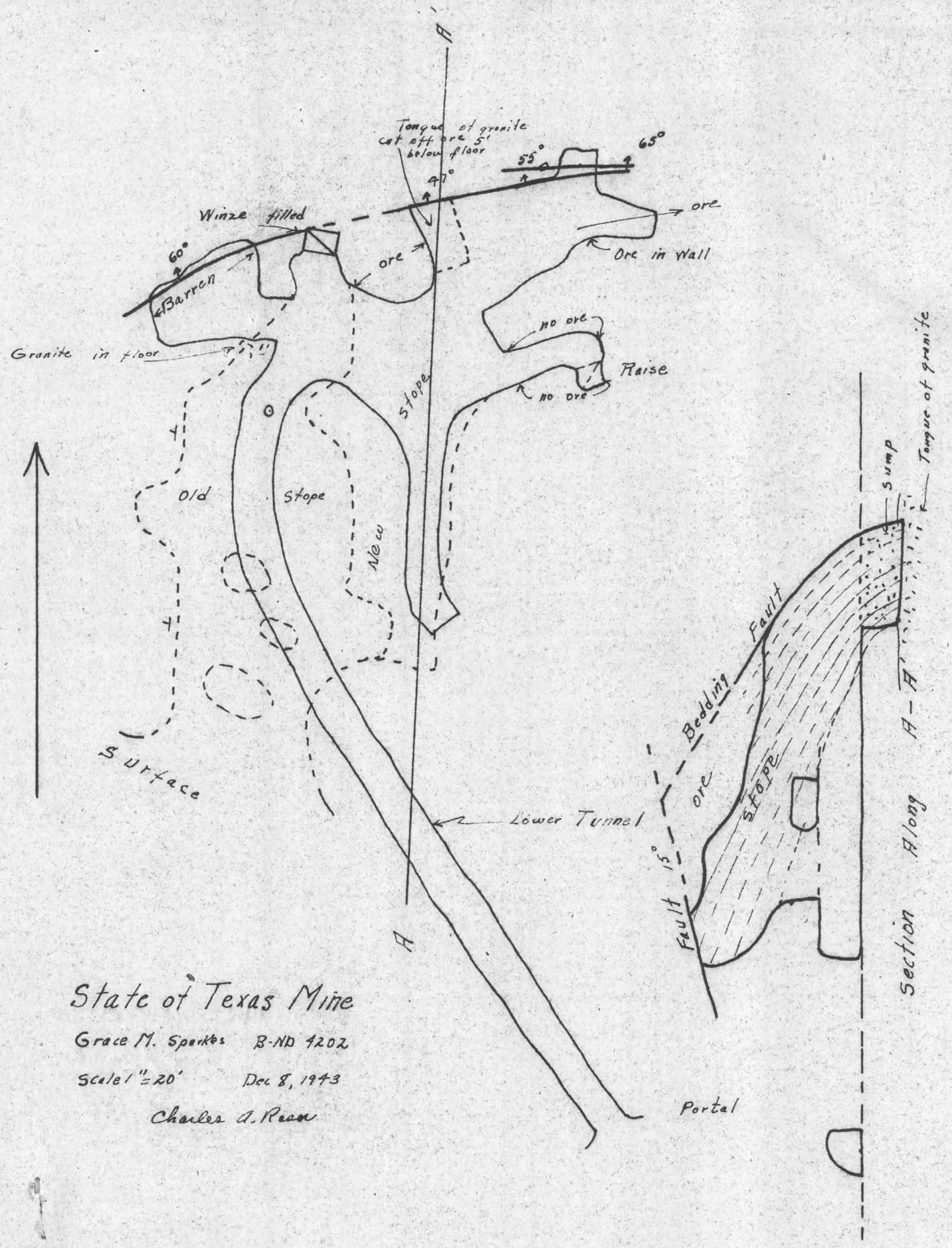
I made a supervisory examination of the Borrower's mining property during the afternoon of December 8, 1943. The manager of the property, Mr. Perry Bones, was trucking out the nineteenth carload of ore from the property. I made a tape and compass map of the underground workings which is herewith attached to the report. It shows the original outline of the stope before spending of loan funds and the present outline. From March to November, 1943, the Borrower has shipped 871 tons of complex sulfide ore to the Shattuck-Denn mill in Lowell, Arizona. This ore has produced 249,974 pounds of zinc; 57,966 pounds of lead; 9017 pounds of copper; 6827 ounces of silver and 38.392 ounces of gold. The Borrower has received $ 8746.69 from the mill and has received $ 8170.27 plus a bonus for November from Metals Reserve. Thus the Borrower has made a very good showing.

However, the remaining ore is limited to some pillars and a section in the roof, unless additional ore is developed eastward along the fault. It is possible for additional ore to be found eastward.

On an earlier examination, I made the criticism that the applicant had spent over $10,000 of the loan fund on the camp, which left a little over $3,000 for mine development. The camp included three ready-built cabins and a ready-built cook-house. At least one-half of these buildings were unnecessary as only one-half are in use now. The Borrower is on a rock-bottom basis now, a manner in which they should have started in the beginning. In addition to Mr. Bones, there are three other persons working as miners. With this crew the Borrower is mining two carloads of ore a month and keeping above water. The bank balance as of December 1, 1943, was $7445.46 and with additional bonuses, and increases in grade of ore the Borrower should have sufficient funds to do any amount of new development.

CHARLES A. RASOR
Supervising Engineer

Attachment:
Map

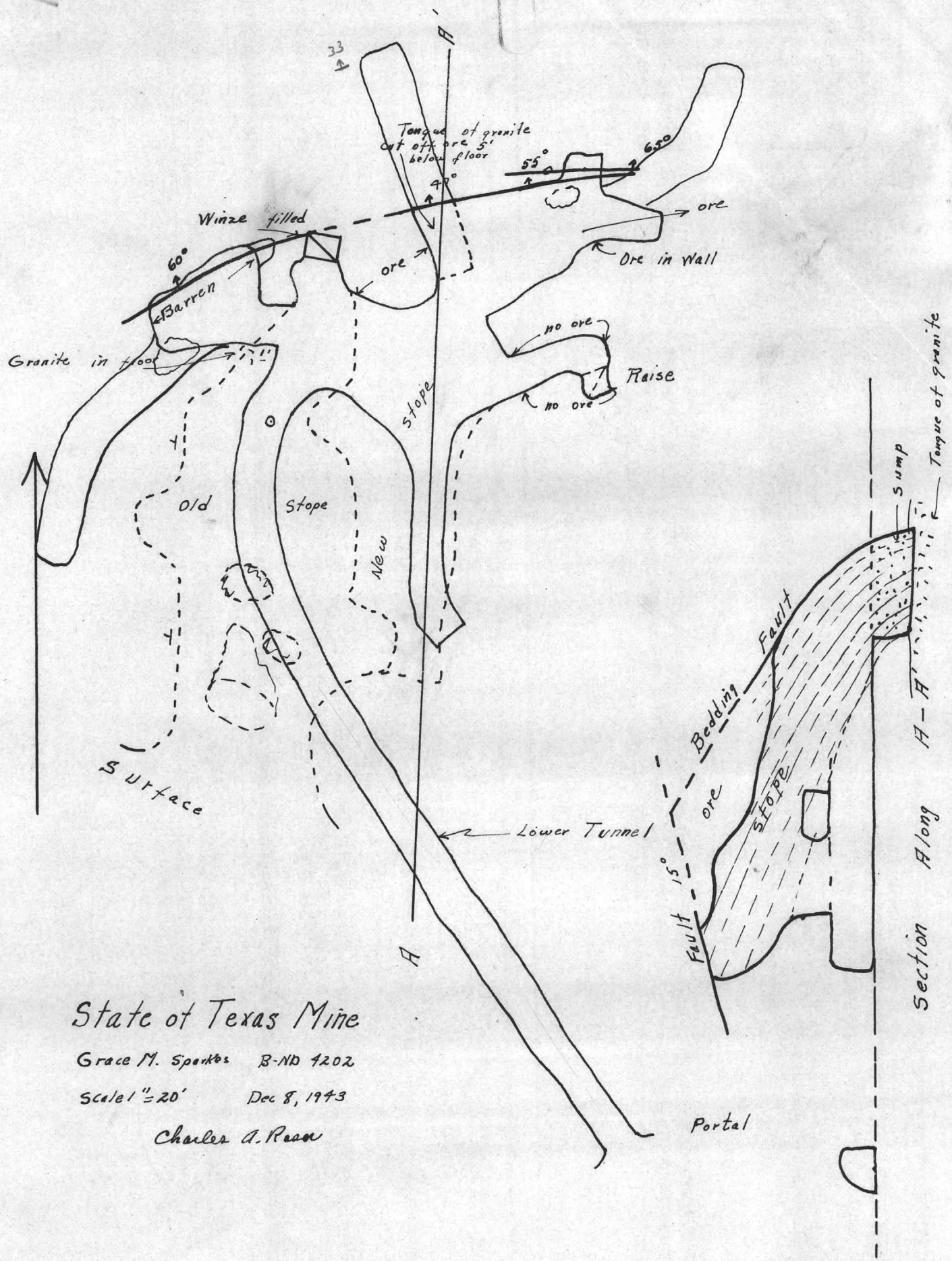


State of Texas Mine

Grace M. Sparkes B-ND 4202

Scale 1" = 20' Dec 8, 1943

Charles A. Rees



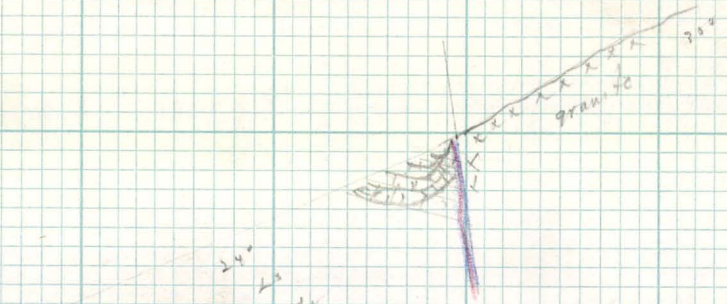
State of Texas Mine

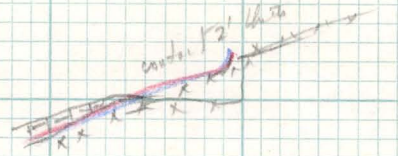
Grace M. Sparkes B-ND 4202

Scale 1" = 20' Dec 8, 1943

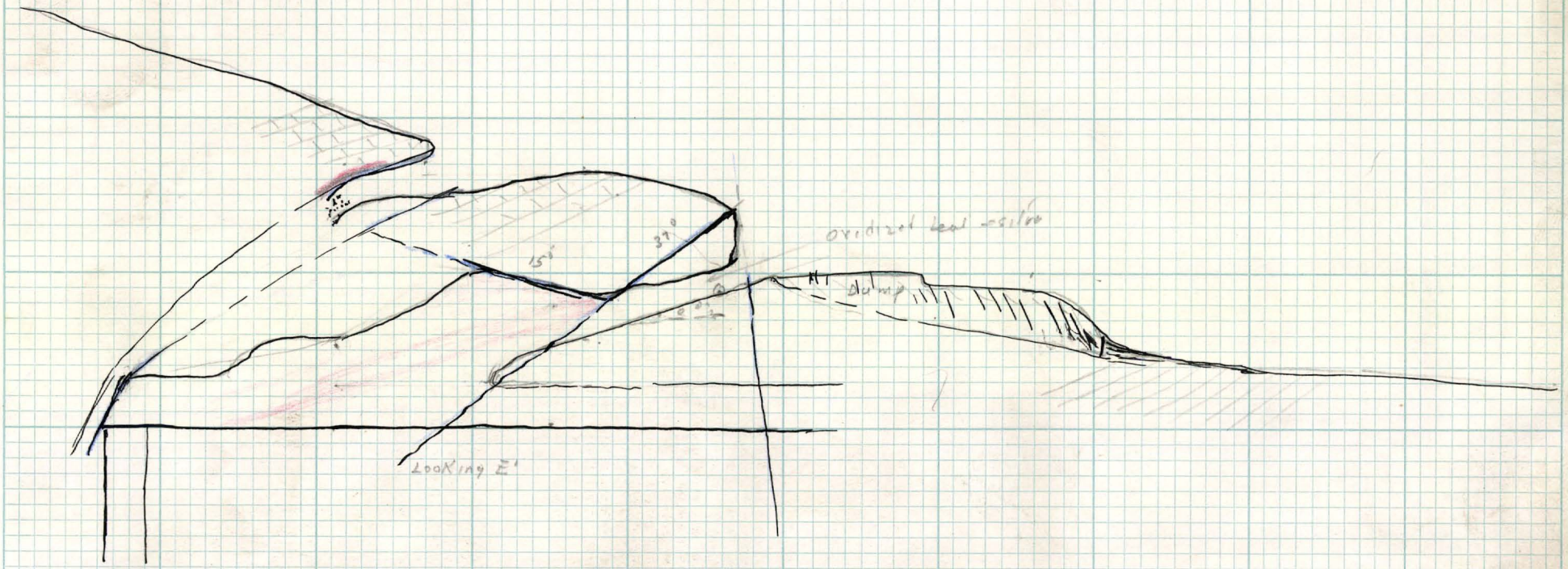
Charles A. Rean

shaft 300' deep
Jonathan Golden data
dump shows Ca, Mn, garnet
other silicates

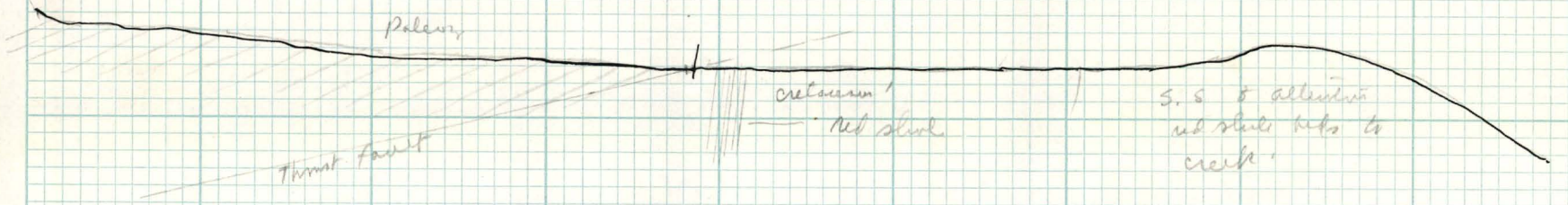




KEUFFEL & ESSER CO., N. Y.
10 X 10 to the inch
MADE IN U.S.A.



KEUFFEL & ESSER CO., N. Y.
10 × 10 to the inch
MADE IN U.S.A.

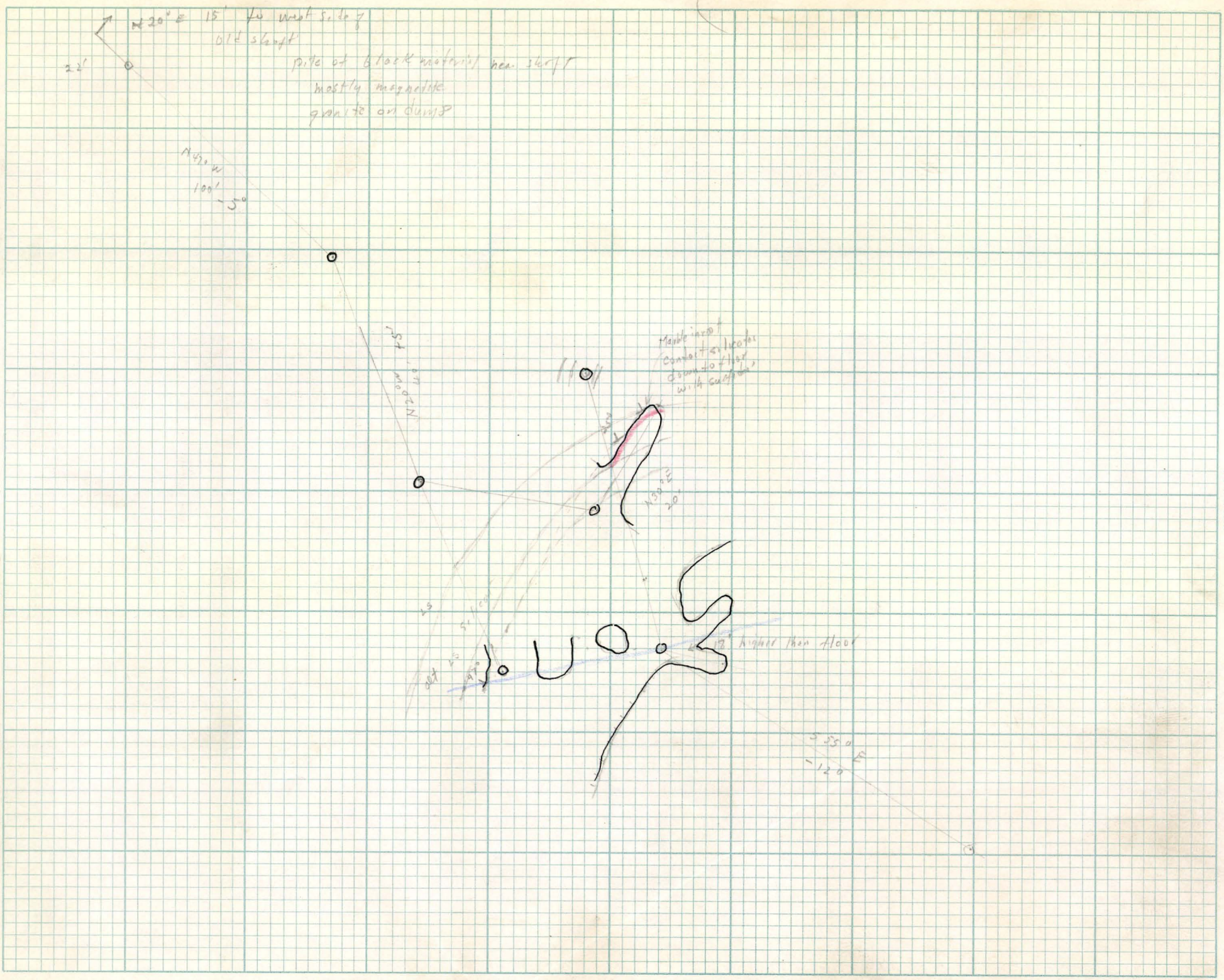


KEUFFEL & ESSER CO., N. Y.
10 X 10 to the inch.
MADE IN U. S. A.

Copper Butte

Mitchell. 80 cent lot 6 hours
1.50. 100 per cent to mine
open pit. drive back
into pit and head shovel

KEUFFEL & ESSER CO., N. Y.
10 × 10 to the inch.
MADE IN U. S. A.



KEUFFEL & ESSER CO. N. Y.
10 × 10 to the inch.
MADE IN U. S. A.

Paleozoic
Granite
Quartzite
Down 31
Structure
3 mus Limestone
Roof is limestone
Drill Holes
before
Fault slip by
Hidden adits
Stoping
Stoping
Stoping

Grace M. Sparkes Docket B-ND-4202

1943 Production

State of Texas Mine

2 3170.00 / 158

Date	Lot	Assay of Crude Ore Au	Hg	Cu	Pb	Zn	Tons	Total Metal Content Au	Ag	Cu	Pb	Zn	Mill Returns	Premiums		
3/13/43	1-21	.045	8.90	.36	5.25	17.00	57.373	2.582	510.62	413	6024	19507	730.62	573.48 ✓		
5/3/43	2-59	.02	8.50	.28	4.05	10.70	54.682	1.094	464.80	306	4429	11702	464.47	721.12 ✓		
5/25/43	3-63	.01	2.75	.34	1.42	14.60	49.684	.497	136.64	338	1411	14509	360.01			
6/2/43, 6/5/43	4, 5 -66	.02	10.95	.52	4.05	16.40	106.337	2.127	1164.39	1106	8613	34879	1238.82	1869.98 ✓		
6/11/43	6-68	.015	10.70	.71	3.67	19.40	55.279	.829	591.49	785	4057	21448	785.56	1437.59 ✓		
6/21/43	7-73	.018	5.06	.35	1.70	12.70	45.527	.819	230.37	319	1548	11564	306.10			
7/25/43, 7/30/43	8, 9 -78	.082	9.45	.55	3.25	14.20	103.52	8.491	978.57	1139	6731	29409	1240.69	1454.23 ✓		
8/6/43	10-83	.020	3.50	.20	1.00	12.30	50.422	1.008	176.48	202	1008	12409	209.87	549.14	23.84	867 lb Pb + 275 B gutta-perch.
9/11/43, 9/20/43	11, 12 -92	.030	7.00	.55	3.05	11.55	103.606	3.108	725.24	1140	6320	26005	884.66	1564.73	149.46	5435
10/1/43, 10/15/43	13, 14 -100	.015	8.00	.84	7.60	14.50	103.023	1.545	824.18	1731	7878	29877	1117.76	1300.38 ✓	224.15	8151
11/3/43, 11/11/43, 11/25/43	15, 16, 17 -125	.115	7.22	.54	2.94	13.64	141.764	16.292	1024.0	1538	8347	38670	1407.83	2475.87 ✓	232.51	8455
12/13/43	18-133	.090	4.60	.42	1.45	12.00	51.172	4.605	235.39	430	1484	12281	879.22		629.96	
12/30/43	19-138	.055	8.60	.92	2.37	19.05	50.518	2.778	434.45	830	2395	19854	672.05	794.59 ✓		
		.047	7.71	.53	3.18	14.60	972.912	45.775	7496.62	10377	61,845	282,109	A 9797.96	B 12,941.11		
														629.96 ✓		
							1944									
2/12/44	20, 21 -14	.040	6.48	1.00	1.77	15.60	118.828	4.513	731.13	2257	3994	35,202	1000.90	1777.96 ✓		
3/31/44	22-43	.090	4.95	0.33	1.40	14.20	44.406	3.997	219.81	298	1243	12611	367.97	5349.03 605.85		
5-15/44	23 70	.038	5.07	0.40	4.45	16.35	39.341	1.495	199.46	315	3501	12865	376.10			
							196.575	10.005	1150.40	2870	8738	60678	1744.97			
							1169.487						11542.93			
Total		.0477	7.39	.566	3.02	14.65	1169.487	55.78	8647	13247	70583	342787	11542.93			

28221.71 Total
11 542.93
16678.78 total of premiums

Sam Can you help speed this up?
Grant Bill - "Air mail" copies. Grace
Send my copy of Bill's correspondence
Now here.

DEPT. MINERAL RESOURCES
RECEIVED
AUG 25 1942
PHOENIX, ARIZONA

August 24-'42.

AIR MAIL

Re. Docket No B-ND-4202

Reconstruction Finance Corporation
811 Vermont Avenue NW
Washington, D. C.

Gentlemen:

It occured to me that it might assist you further in the consideration of my application for the State of Texas property, if I gave you a little detailed information pertaining to my own mining experience and that of my associates Mr. Perry L. Bones, who will direct and manage the Texas property for me.

I have kept the State of Texas property alive for years, as explained to you in my air mail letter of August 20th. This work has been done by and under the supervision of Mr. Bones. It has consisted of repair of the road to the mine, annual assessment work on the unpatented claims, payment of taxes on the patented State of Texas claim, and a continued active interest in trying to develop the property for production. Your Corporation is aware of the problems confronting owners of this type of property - low prices of minerals, lack of markets, no venture capital and because of all of these things it is self evident that no great major work could be done during these particular years. However, with changing conditions, demand of our Government for this type of strategic ore now of definite value in time of war, the price of the metals and the premium price assured by the Government and absolute assurance that the Shattuck Dam will handle our product, it is evident that if our Loan is granted ore may be commercially extracted at a profit and there is every reason to believe that this will give us the opportunity to place this property into production and to further develop it if results so warrant.

Our plans have been carefully made and we are ready to proceed immediately. Men of the experience and ability of Mr. Bones' are not easy to find these days. He is anxious to know the decision, because of the demand for men of this type. I sincerely hope that this loan will be expedited with the least possible delay.

Grace M. Sparkes Box 346 - Prescott

Grace M. Sparkes

RE: Docket No. B-ND-4202

To the
Reconstruction Finance Corporation
Washington, D. C.

Gentlemen:

Further supplementing data presented to the RFC in my mining loan application for a "B" Development Loan -- dated June 17, 1942 for my State of Texas property in Cochise County, Arizona, under the heading Exhibit A Page 2 -- showing that the Texas mine comes within the purview of the RFC Act:

4. History - Management, etc. I have been identified with mining and mining development work not only in this section of Arizona, but about the State since 1910. As secretary of the then Yavapai County Chamber of Commerce (later organization now known as the Yavapai Associates Inc., and which I serve as the secretary - financed by the Yavapai County Board of Supervisors) has taken the lead of chambers of commerce organizations in the Southwest in the development of this resource, its promotion and the general welfare of the industry. Was responsible for active mining committee being appointed to work for this industry - in the same capacity as the county agent's have for the agricultural industry - only our efforts were voluntary. Some of the best known mining men of Arizona served on this committee. Our work consisted of (and continues under the present program) in visiting mines, working on the problems of the operators, arranging displays, holding meetings of miners and prospectors where discussion of problems could be had and demonstrations given in various ways to assist with efforts - all of value tothe industry. Promoted interest in mining development - mining displays - markets - prices - taxes - freight rates - insurance - in fact every problem of the prospector and operator not only in Northern and Central Arizona, but largely responsible for state wide interest in exhibits at the Arizona State Fair and outside of the State. Compile, disseminate mining information to daily newspapers and mining and technical journals, and also radio broadcasts.

Studied mining and mining operations with father whowas identified with industry in Black Hills, Alaska and Arizona. Studied geology in school.

Responsible in large degree with Charles F. Willis, Carl Barth and W. C. Broadgate in organization of Arizona Small Mine Operators Association, with Yavapai County Council, the largest and most active council in State. I serve as the volunteer Secretary of this Council and can truthfully say that I understand conditions of mining and something of the mining industry. Matter of routine - visiting mines and prospects, underground and surface workings.

Own Sioux Silver Lead property in Hassayampa mining district with my associate Perry L. Bones. We have continued work on th sproperty, as our resources permit - although no loan was granted and since that time Mr. Louis Reber, Jr., of the United Verde Branch of the Phelps Dodge Corporation Clarkdale, made an inspection and report on this property and we expect to carry out his recommendations when we are able to do so. I mention this to show our own personal interest in mining.

Please note carefully the attached sheet pertaining to my plan for work on the Texas if loan is granted.

(2)

The State of Texas property will be directed and operated for me by my brother-in-law Perry L. Bones, a thoroughly competent practical mining man, and in whom I have the utmost confidence, based on years of experience.

Mr. Bones has been actively engaged in all phases of the mining industry for twenty years. This has included mining work in general, installation of mining machinery and equipment. He has worked to the satisfaction of those by whom he has been employed and has had exceptionally valuable experience in working for himself. Among earlier employees was Major W. W. Pickerell, associated with James S. Douglas, for several years. Also at Money Metals Mine four years, installed equipment and operated 75 hp gas engine and 50 kw generator. Installed equipment - all motors and pumps underground and kept and maintained same in operation.

He was in Nevada in the 1905 boom installing mining equipment and operating same.

His work in the mining industry has given him wide and general experience. This includes in addition to the installation of mining machinery, the operation and maintenance thereof, underground work of all types, timbering, familiar with machine operations, handling of explosives, etc.

Has worked leases with his brothers successfully on many properties. Mr. Bones is an earnest, conscientious worker - not afraid of work and knows the value of a dollar.

For present references as to character, mining ability, etc., suggest the following:

Mr. Sam Coupal, Director Arizona Department of Mineral Resources, Phoenix, Arizona.

Mr. W. C. Broadgate, assistant director Arizona Department of Mineral Resources, Hotel Harrington, Washington, D. C.

Mr. Fred Gibbs, mining engineer, Prescott, Arizona.

Mr. Homer R. Wood, mining engineer, Prescott, Arizona.

Mr. A. C. Nebeker, field engineer, Yavapai mining district, Arizona Department of MineralResources.

Mr. H. F. Mills, Chairman, Yavapai County Council Arizona Small Mine Operators Association, Humboldt or Prescott, Arizona. Mr. Bones is a member of the Yavapai County Council ASMOA and has served actively on important committees.

During World War No. 1 Mr. Bones as an instructor in the Air Service, at March Field, California.

Both Mr. Bones and myself have been assured by Mr. Sam Coupal and your own engineer Mr. Donald Campbell that should we require any technical advice or engineering assistance they would respond immediately. The same applies to other highly qualified engineers who have been anxious to see us get this property into operation. I sincerely hope you will expedite action on my application because you must realize it is not easy to obtain help of the type I have outlined and Mr. Bones is anxious to go into defense or other war work if favorable action is withheld.

Respectfully submitted

Grace L. Sparkes - P O Box 346
Prescott, Arizona.

Dated August 22nd 1942

APPLICATION FOR A DEVELOPMENT LOAN

STATE OF TEXAS MINE, COCHISE COUNTY, ARIZONA.

EXHIBIT A.

1. NATURE OF BUSINESS:

Development of a SILVER-Zinc and lead mine. No work being conducted at the present time.

2. LOAN: (a) Amount of loan applied for; $ 20,000.00

(b) Need of loan to further develop mine.

3. Purposes of Loan; For equipment and working capital to develop mine.

I.R. 2 stage 105 cu. ft., compressor	$ 1825.00	
I.R. JB 5 mounted air drill complete with bar, saddle, tank etc.,	450.00	
3 Sets drill steel: 1 gross bits.	80.00	
Air and water lines.	80.00	
Ore car, track, small tools etc.,	200.00	
Freight, haulage and installation.	300.00	
Camp.	150.00	3085.00
Development.		
400 feet of drifting @ $ 10.00 per ft.	4000.00	
200 feet of raises @ 15.00 per ft.	3000.00	7000.00
Other development work pending outcome of the first program.		9015.00
		$.20,000.00

4. HISTORY, MANAGEMENT, ETC.,

To be supplied by Grace Sparkes.

5. CLAIM UNDER WAR MINERALS RELIEF ACT;

No claim has been made under this act.

6. LOCATION:

The State of Texas group of mining claims is located in Arizona, Cochise County, Hartford Mining District in Sections 12 and 13 of Township 24 South, Range 20 East. The nearest rail point is at Hereford, a station on the main line of the Sohtern Pacific Railroad a distance of 15 miles over good roads from mine.

7. MINING PROPERTY:

(a) One patented mining claim, named the State of Texas, Survey No. 1280. Claim map attached.

(b) ~~10~~ TWO full sized unpatented claims, one fractional claim and a U.S. Mineral Surveyed mill site claim.

(name, book of mines and page from county records)

W Extension State of Texas,	Book of Mines		Page.
E Extension State of Texas,	"	"	"
Eureka,	"	"	"
State of Texas Mill Site,	"	"	"

(c) No placer ground.

(d) Grace Sparkes to insert names of adjoining properties if known.

8. OPERATION:

(a) No operations at present.

(b) Grace Sparkes to supply dates and reasons for suspension of work and description of most recent work.

9, 10 and 11.

Answers to be supplied by Grace Sparkes.

APPLICATION FOR A DEVELOPMENT LOAN.

STATE OF TEXAS MINE, COCHISE COUNTY, ARIZONA.

EXHIBIT B.

A. REPORTS;

Reports on the property are attached as follows;
Report by T. G. Sparkes.
Report by J. S. Coupal.
Supplemental report by J. S. Coupal.
Assay certificate by H. C. Smoot of samples taken by J.S.Coupal.

B. METAL OR MINERAL:

The major metals are Silver and Zinc Some lead and traces of copper are found. There is an open market for all of these metals. The price of domestic produced silver is fixed; the prices on the other metals vary with demand and consumption.

C. GEOLOGY AND TOPOGRAPHY:

The major deposit and the one under consideration for development at this time, is a replacement in limestone. The limestone in this area flanks the southern end of the Huachuca Mountains on the east, south and west portions. The Huachuca Mountains consist mainly of granite, porphyry and other related intrusive rocks.
A contact of the limestone and granite occurs on the State of Texas claim about 200 north of the Silver-zinc-lead deposit and along this contact mineralization occurs.
The deposit under consideration occurs in the foothills of the mountains at an elevation of around 5400 feet above sea-level. The Huachuca Mountains have an elevation of around 8000 feet.
A county graded road passes through the mill site claim and the major mine workings are reached by an easy grade mine road.

D. EXISTING DEVELOPMENT:

1. A rough dimensioned sketch of the major mine workings is attached. Location of samples and method of sampling and results are included in supplemental mine report by J. S. Coupal.

2. Description of samples taken by J. S. Coupal are included in supplemental report by J. S. Coupal and assay certificate of results on these samples by H. C. Smoot of Prescott attached.

3. The ore body has been opened up by an inclined stope. This stope was then tapped by a tunnel. Developmet work proposed will be carried on by drifts and raises from the tunnel level, on ore, with possibly some sinking if conditions warrant.

4. There is no equipment on the property at this time.

E. PROPOSED DEVELOPMENT.

1. It is proposed to develop the present ore body by drifting,

EXHIBIT B. (CONT).

raising and perhaps sinking on the present ore showing.
The values expected to be developed are shown on the attached assay certificate and range from $23.60 to $ 56.25 , figuring gross values at $ 35.00 per ounce for gold, 71.11 ¢ per ounce for silver, 5.85 ¢ per pound for lead and 7.25 ¢ per pound for zinc.
If the ore continues, as exposed, and the 400 feet of drifting is all in ore and maintains the average of 6 feet in width, the proposed work would develop a volume of 400x 100 x 6 or 240,000 cubic feet which on this ore will be about 10,000 tons.
No estimate as to the cost of producing or of marketing the product is available.

2. The proposed loan is for development only. There has been no recent production and the proposed devlopment should prove 10,000 tons of ore.

3. The mine workings are dry on the silver-zinc-lead deposit. On the shaft on the contact deposit, which is not considered for development at this time, a moderate flow of water was encountered.

F. MARKETING OF PRODUCT:

The product from this mine should probably be milled on the property so as to make a differential separation and recovery of the lead and zinc contained so as to avoid smelting penalties.
The products should be shipped to custom smelters.
No cost data as to marketing is available at the present time as milling should be first considered.

G. WATER SUPPLY:

The small amount of water needed for the development work proposed can be supplied at all seasons of the year from nearby sources.

H. POWER:

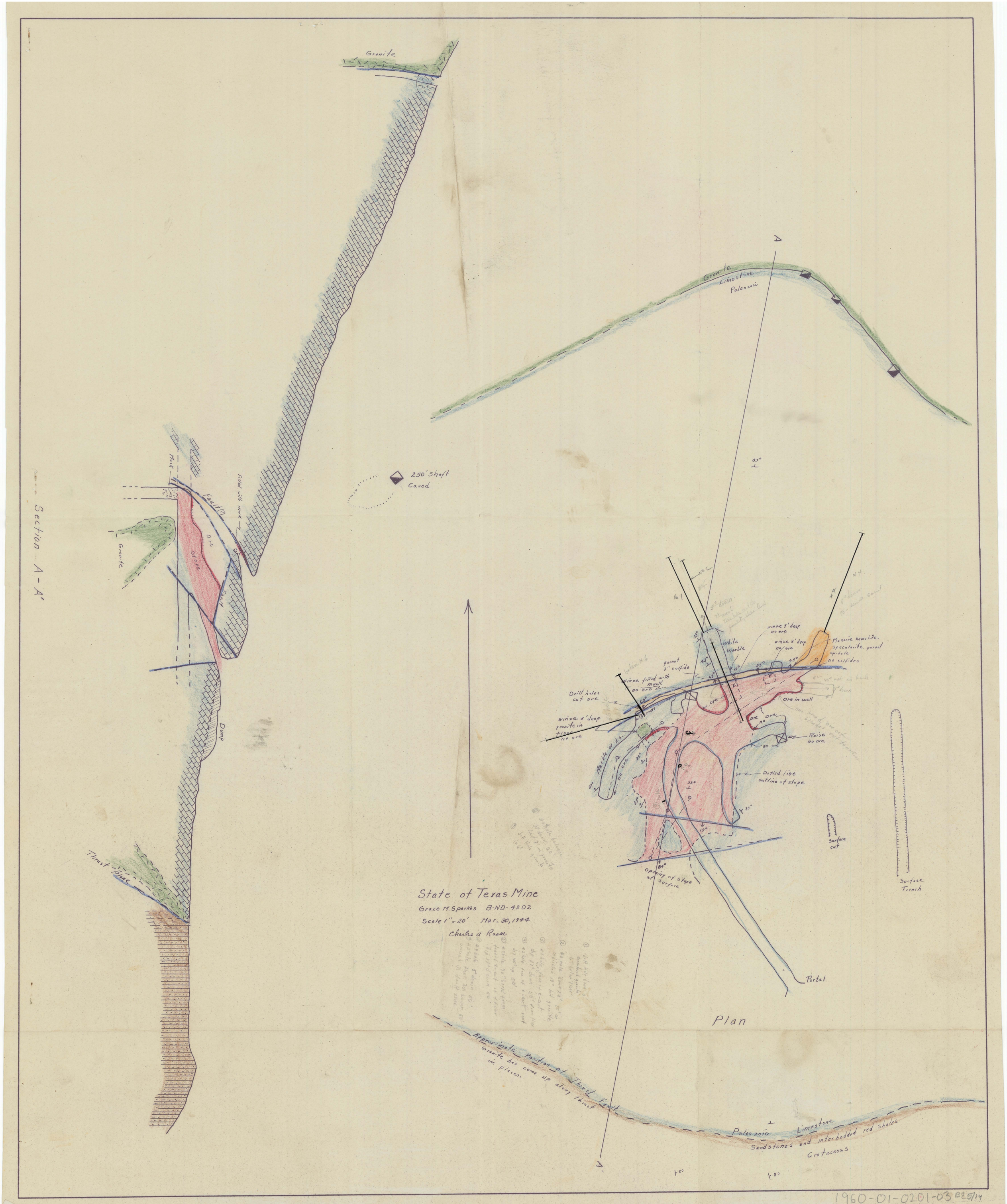
The power needed for the proposed development work can be economically provided by either gasolene or diesel engines.

I. COSTS:-

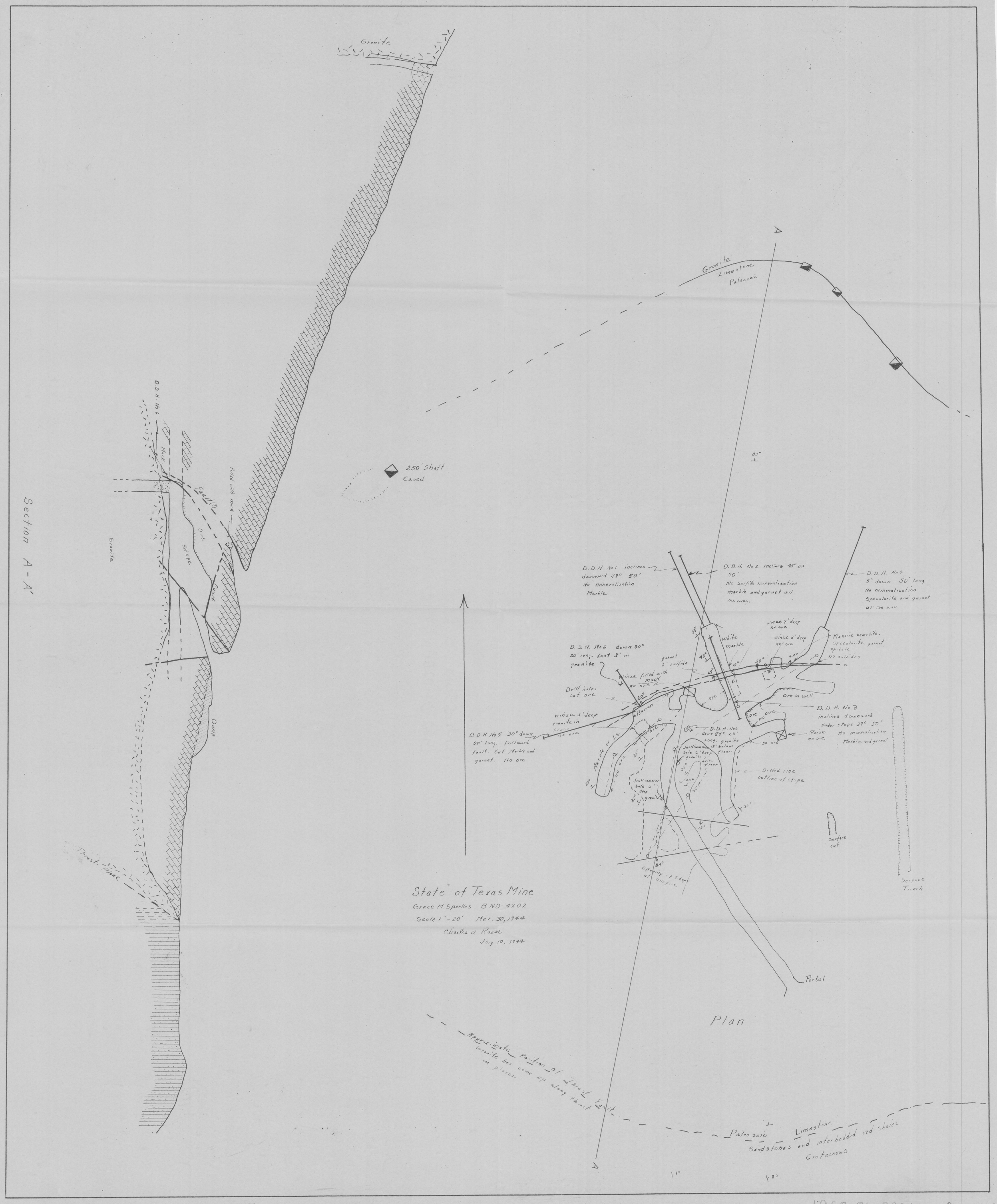
No figures on cost of mining during former work are available.
Development work should cost about $ 10 per foot for drifting, $ 15 per foot for raising and $ 25 per foot for sinking.
Cost of mining and milling will depend on the results of development work, and no metallurgical work has been done on the treatment of the ore, so that sound milling costs cannot be estimated.

Grace Sparkes

				au	ag	cu	Pb	zn	Tons	au	ag	cu	Pb	zn	Shipper	Premiums	Royalty RPC shipper	Royalty RPC Premium
3-13	43	1		.045	8.90	.36	5.25	17.0	57373	2.583	510.6	4.13	40.24	19.507	930.62			
5-3	"	2		.02	8.50	.28	4.05	10.70	51682	1.094	464.8	3.06	44.29	17.702	464.77			
5-25	"	3		.01	2.75	.34	1.42	14.6	49687	.497	136.6	3.38	14.11	14.509	360.01			
6-25	"	4/5		.02	10.95	.52	4.05	16.40	106337	2.127	1164.4	11.06	86.13	34.879	1238.82			
6-11	"	6		.015	10.70	.71	3.67	19.40	55279	.829	591.5	7.85	40.57	21.448	785.56			
6-21	"	7		.018	5.06	.35	1.70	12.70	45527	.817	230.4	3.19	15.48	11.564	306.10			
7-25	"	8-9		.082	9.45	.55	3.25	14.50	103.52	8.491	978.6	11.39	67.31	29.409	1240.69			
8-6	"	10		.02	3.50	.20	1.00	10.30	50.122	1.008	176.5	2.02	19.08	12.404	209.87			
9-20	"	11-12		.03	7.00	.55	3.05	11.55	103.06	3.109	725.2	11.40	63.20	26.005	884.66			
10-15	"	13-14		.015	8.00	.84	4.60	14.50	103.03	1.545	824.2	17.31	94.78	29.877	1117.26			
11-15	"	15-16-17		.115	7.22	.54	2.94	13.64	141.766	16.292	1024.0	15.38	83.47	38.670	1407.83			
12-13	"	18		.090	4.60	.42	1.45	12.00	51.172	4.605	235.4	4.30	14.84	12.281	379.22			
12-30	"	19		.055	8.60	.92	2.37	19.65	50.518	2.778	434.5	9.30	23.95	19.854	672.05			
		Total 1943							972919	45773	7496.6	103.77	618.45	282.109	9797.96	2822.71		
2-2	44	20-21		.040	6.48	1.00	1.77	15.60	112828	4.513	731.1	22.57	39.94	35.202	1000.90			
3-31	"	22	43	.090	4.95	.33	1.40	14.20	44406	3.997	219.8	2.98	12.43	12.611	367.97			
5-15	"	23	70	.038	5.07	.40	4.45	16.35	39341	1.495	199.5	3.15	35.01	12.865	376.10			
		Total 1944							196575	10005	1150.4	28.70	87.38	60.678	1743.97			
		Sub-Total							1169487	55.78	8647	132.47	705.83	342.787	11542.93	16678.78		
2-22	45	26	36	.050	9.00	.55	5.80	16.80	50191	2.510	451.7	5.52	58.22	16.864	531.02		26.55	43.13
4-26	"	27	47	.015	5.15	.52	3.20	11.25	48530	.728	249.3	5.05	31.06	10.919	282.23		14.11	65.56
5-29	"	28	61	.017	10.80	.99	6.65	12.25	56840	.966	613.7	11.25	75.60	13.926	611.08		30.55	42.76
6-05	"	29	77	.013	3.60	.40	2.10	13.45	44037	.572	158.5	3.52	18.50	11.846	221.50		11.80	48.20
11-7	"	30	130	.010	4.92	.54	3.10	8.50	56573	.566	278.3	6.11	35.08	9.617	88.41		9.42	19.43
1-23	46	32		.011	2.92	.62	1.55	13.90	44935	.494	131.3	5.57	13.93	12.496	218.14		10.91	
2-28	"	33		.009	3.20	.39	1.85	11.60	58573	.527	187.4	4.57	21.87	13.589	241.47		12.07	
3-10	"	34		.007	3.30	.42	2.04	12.10	54567	.382	207.4	4.58	22.26	13.205	223.88		11.20	
5-16	"	35		.009	2.42	.27	1.42	8.40	53259	.479	128.9	2.88	15.13	8.948	27.59		1.38	



1960-01-0201-03



1960-01-0201-02 BE 5/14

Start	Zn	Pb	Cu
A Quota	0	0	0
B Quota	0	—	—
Effective avg't. Bq.	0	0	—

Grace M. Sparkes

Date		Assay of Crude Ore Au	Ag	Cu	Pb	Zn	Total Metal Content Au	Ag	Cu	Pb	Zn	Total payments	Deductions	Net Mill value	Processing fee 20% / Net Mill	Tons	Freight	Due shipper	Premiums lbs of Cu	Value	lbs of Pb	Value	lbs of Zn	Value	Total Premiums		
3/13/43	1 - 21	.045	8.90	.36	5.25	17.00	2.582	510.62	413	6024	19507	1754.33	817.49	936.84	187.37	57.373	18.85	780.62							573.48		
5/3/43	2 - 59	.02	8.60	.28	4.05	10.70	1.074	469.80	306	4429	11702	1154.57	562.80	591.77	118.35	59.682	8.65	469.77									
6/25/43	3 - 63	.01	2.75	.34	1.42	14.6	.437	136.69	338	1411	14,509	1012.78	725.61	349.17		47.687	8.16	260.01							721.12		
6/21/43	4	.02	10.95	.52	4.05	16.40	2.127	1164.39	1106	8613	34877	3141.29	1573.37	1568.92	313.78	106.337	16.32	1238.82									
6/25/43	5																										
7/11/43	6 - 68	.015	10.70	.71	3.67	19.40	.829	591.49	785	4057	21,448	1842.10	849.94	992.15	198.43	55.279	8.16	785.56							1869.88		
7/21/43	7 - 73	.018	5.06	.25	1.70	12.70	.819	220.37	219	1545	11,564	887.67	496.69	392.82	78.62	27.527	8.16	306.10							1437.59		
7/25/43	8	.082	9.45	.55	3.25	14.20	8.491	978.57	1139	6731	29409	2832.71	1261.45	1571.26	314.25	103.572	16.32	1240.69									
7/30/43	9																								1454.23		
8/6/43	10 - 83	.020	3.50	.20	1.00	12.30	1.008	176.49	202	1008	12,404	788.18	494.47	293.16	75.63	50.422	8.16	209.87							549.14		
7/21/43	11	.020	7.00	.55	3.05	11.55	3.108	725.24	1140	6320	26005	2306.57	1180.37	1126.22	225.24	103.609	16.32	884.66							1564.73	1300.38	
8/24/43	12 - 92																								8470.27 + 300.03		
10/1/43	13	.015	8.00	.84	4.60	14.50	1.575	824.18	1731	9478	29,877	2785.48	1377.86	1417.62	283.54	103.023	16.32	1117.76							1300.38		
10/15/43	14 - 100																										
11/3/43	15	.175	7.22	.54	2.94	13.64	16.232	1024.0	1538	8347	38670	3367.19	1778.81	1790.38	358.08	141.766	24.47	1407.83			10 - 1717.18				2425.87		
11/11/43	16						58.372	6026.78	9017	57766	249,174					871.222		5746.69									
11/18/43	17 - 118																										
12/13/43	18 - 123	.030	4.60	.42	1.45	12.00	4.635	235.37	430	1484	12281	1065.47	591.27	474.22	94.84	51.172	8.16	379.22							994.57	300.38	12,941.11
12/30/43	19 - 130	.055	8.60	.92	2.37	17.65	2.79	436.45	930	2385	17854	1670.63	821.37	859.26	170.85	50.515	8.16	672.65									9797.91
Feb 15/44	20 RI - 14	.040	6.48	1.00	1.77	15.60	4.513	731.13	2257	3994	35202	2792.26	1520.83	1271.53	254.31	112.838	16.32	1000.90							1775.70		22739.19
March 31	22 - 43	.038	4.75	.33	1.40	14.23	3.973	219.81	298	1243	12611	1015.09	544.93	470.16	94.03	44.406	8.16	347.97									
May 15	23 - 70	.038	5.07	.40	4.45	16.35	1.975	199.46	315	3501	12863	1028.78	548.46	480.32	96.06	39.341	8.16	376.10									
																1169.437											
3-23-45	26	.05	9.00	.55	2.80	16.80	2.510	451.72	552	5822	16864					50.191	8.16	531.02									
4-26-"	27	.015	5.15	.92	3.40	11.25	.928	249.93	505	3106	10919					48.530		282.63									
5-29-"	28	.017	10.80	.99	6.65	12.35	.966	613.67	1128	7580	13936					56.890	8.16	611.08									
6-25-"	29	.013	3.6	.48	2.10	13.45	.572	158.58	332	1850	11846					44.037	8.16	321.50									
11-7-"	30	.019	4.92	.54	3.10	8.50	.566	278.34	311	1754	9617					56.573		188.41	16,475.78								
							61.112	16199.2	16392	92429	435737					1225.638			38,945.47								
23-46	32	.011	2.02	.62	1.85	13.90	.494	137.13	537	1393	12486					44.865		183.24	20,524.25								
29-46	33	.009	3.20	.39	1.65	11.60	.627	187.4	457	2187	13589					58.973		258.14									
10-46	34	.007	5.30	.48	2.04	12.10	.551	207.4	558	2246	13205					54.567		241.47									
16-46	35	.009	3.76	.27	1.42	8.40	.479	128.9	268	1513	8948					53.259		222.78									
							12.794	10834.2	19152	98748	434177					1627.007		22.38									
		.038	6.62	.55	3.05	13.87												2545.42									

Total value of premiums

	7223.82	
	2545.42	
	4678.40	
7223.82		
38 221.71		
35445.53		
	11542.93	16,678.28
	2545.42	4,678.40
	14088.35	21,356.68

RFe

26.53
1411
30.55
11.08
42.13 P
65.52 P
4276 — Total
942
4018 P 59g of lot 65 premium
262.34

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