



## **CONTACT INFORMATION**

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07/28/92

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLUEBIRD FLUORSPAR MINE

ALTERNATE NAMES:

PACKARD  
WALNUT FLUORSPAR  
TONTON FLUORSPAR

GILA COUNTY MILS NUMBER: 318

LOCATION: TOWNSHIP 6 N RANGE 11 E SECTION 9 QUARTER SE  
LATITUDE: N 33DEG 52MIN 23SEC LONGITUDE: W 111DEG 13MIN 45SEC  
TOPO MAP NAME: GREENBACK CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

FLUORINE FLUORSPAR

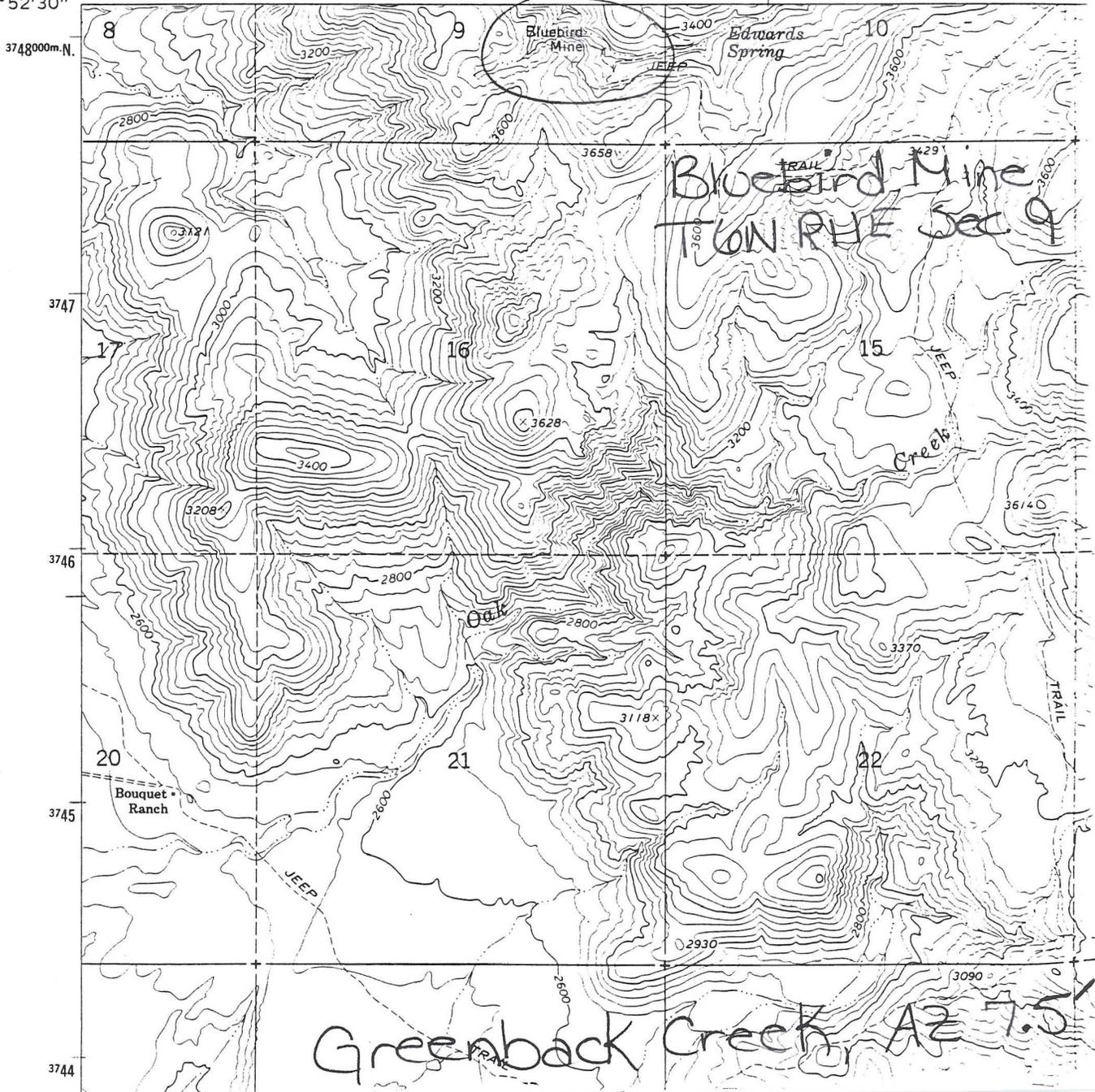
BIBLIOGRAPHY:

ADMMR BLUEBIRD MINE FILE  
ANTHONY, J.W. "MINERALOGY OF AZ" P 102; 1977  
ADMMR "AZ FLUORSPAR RPT." P 15; 1971  
ADMMR GRANT G0254012 MIN AVAL. SYS AZ FL.1976  
CUMMINGS, J.R. "EXPLOR PACKARD FLUOR PROP"  
USBM RI 3880, 1946  
ADMMR GEOL FILE TONTO BASIN FLUORSPAR  
AZBM BULL 180, P 349, 351

3751 IV NE  
TAYLER BUTTE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

111° 15' 33' 52" 30"      478000m. E.      479      480      12' 30"





SKETCH

LONG. SECTION & PLAN

Scale Approx. 1" To 200' Plan

" " " 1" " 100' Section

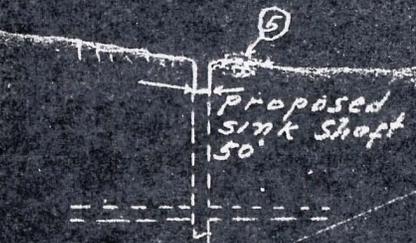
Walnut and Bluebird Fluorspar Claims

Lessee Colonel David Roscoe

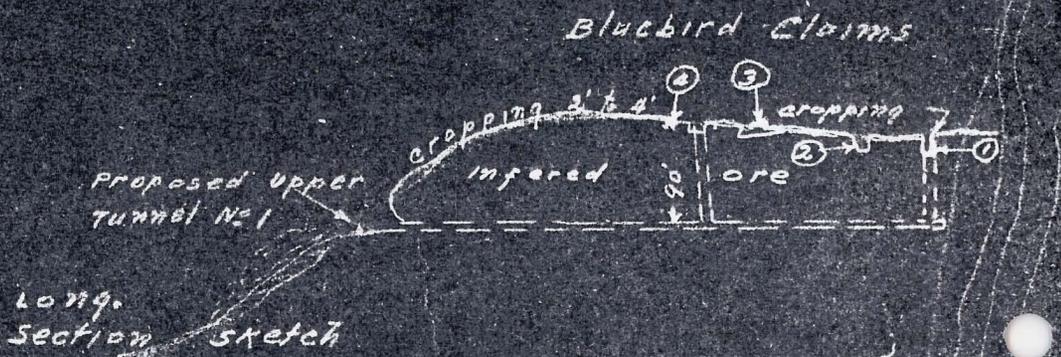
Tombstone Ariz.

Mine Located 8 miles East  
of Tonto Village Gila Co. Arizona  
Notes of Field Engr. Globe Office  
Department Mineral-  
Resources April 20<sup>th</sup> 1944  
① to ⑤ points sampled

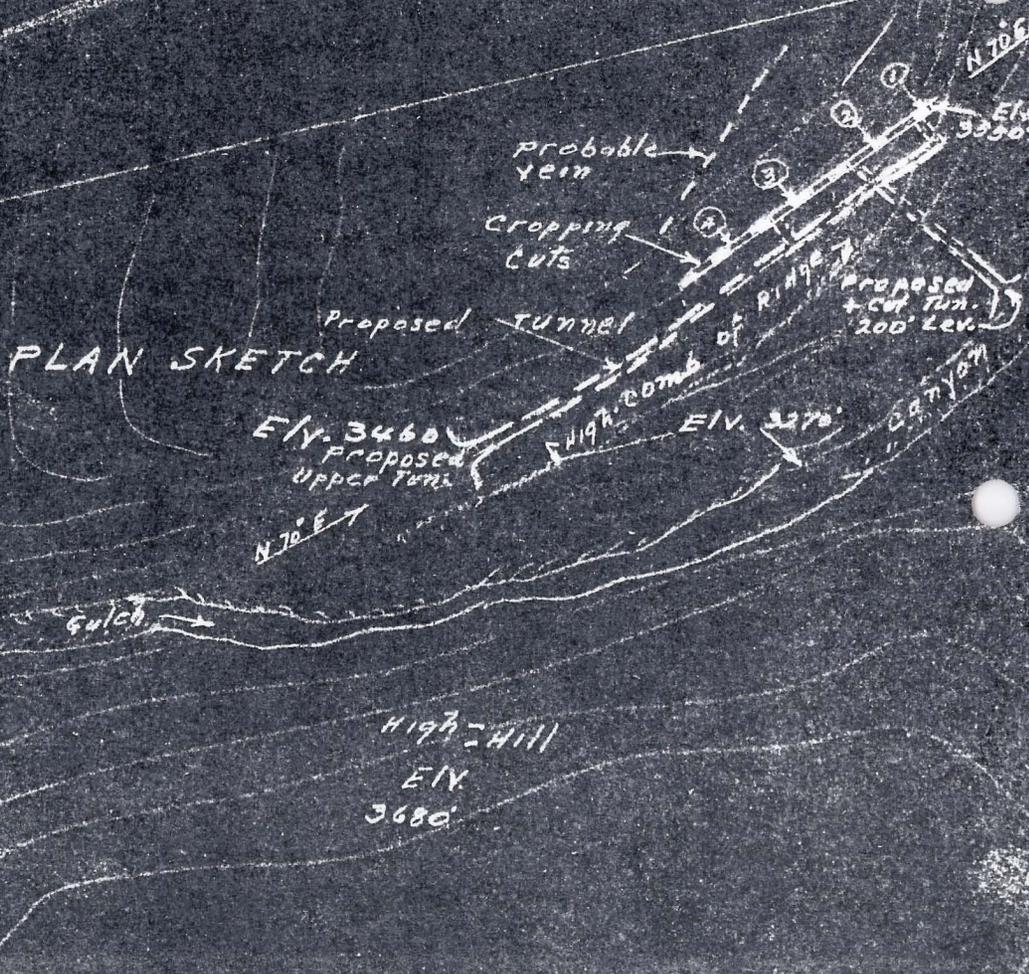
Walnut Claims



(Elev.) shaft is ⑤  
3340 Yern. & 15 ton dump  
Proposed To Sink 50'  
⑤ - Yern-  
8' 6" capped  
shaft



PLAN SKETCH



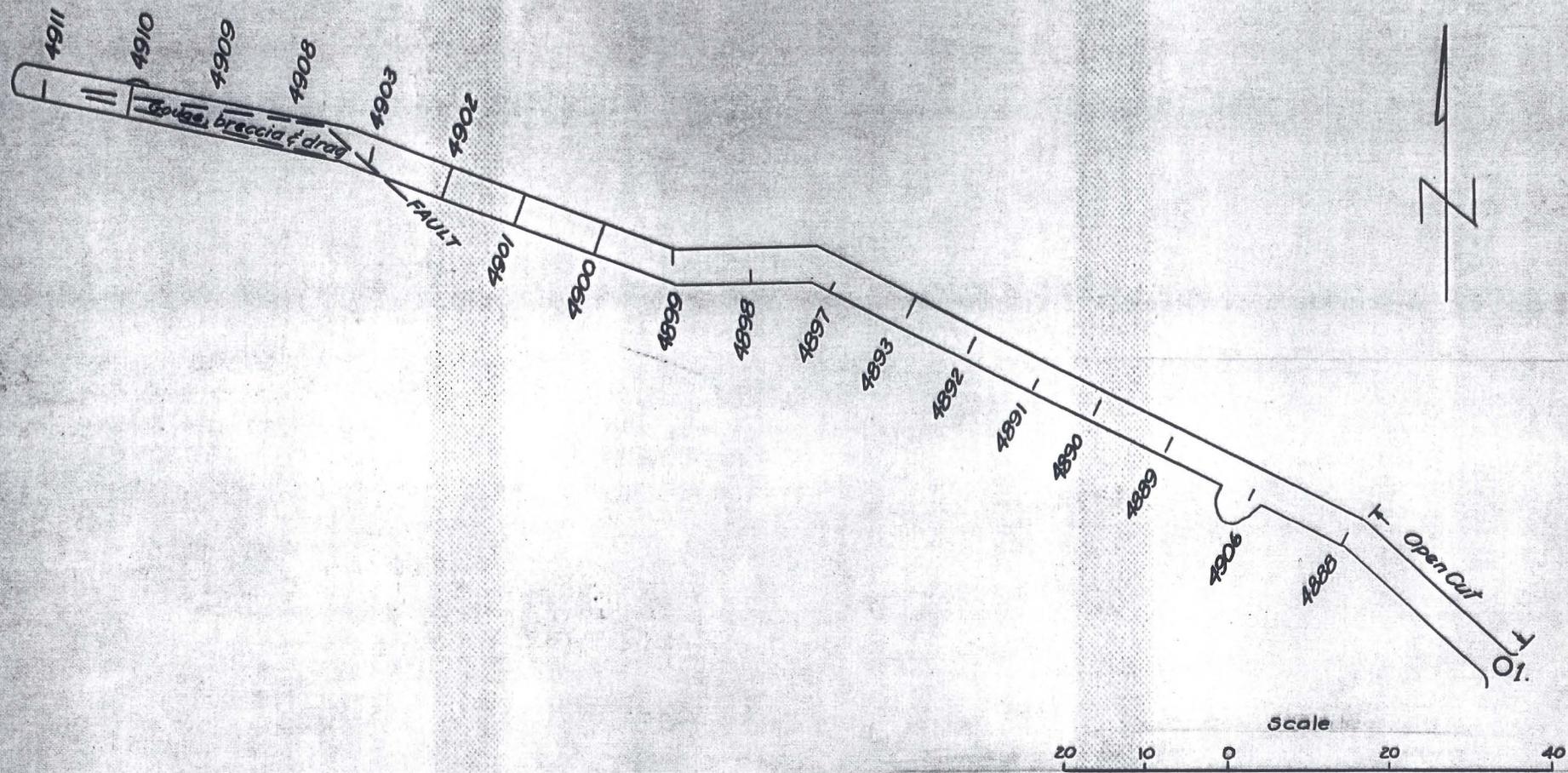


FIG. 3-TUNNEL PLAN SHOWING LOCATION OF SAMPLES

Trim Line ↗ Packard 2030

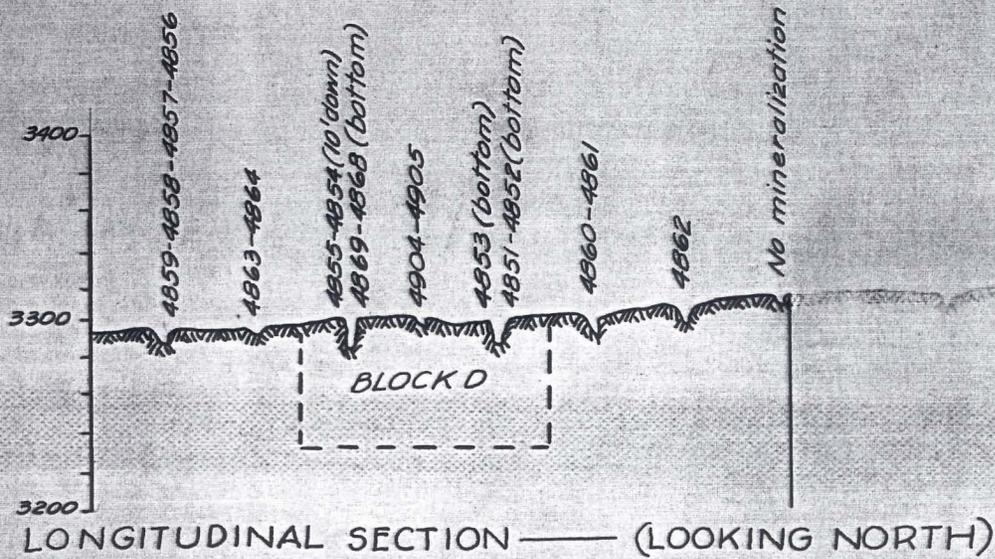
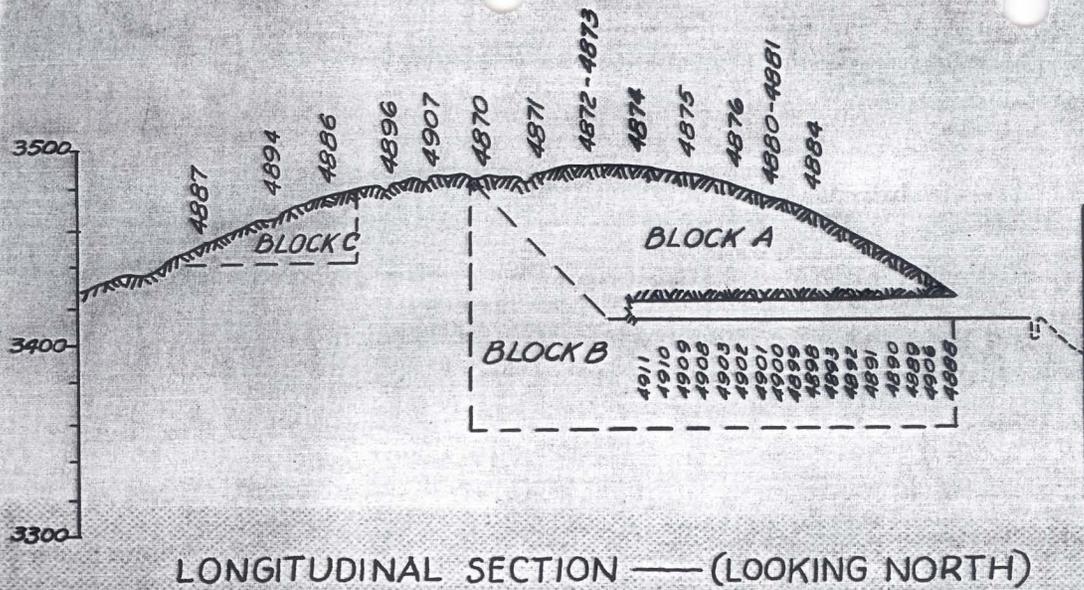
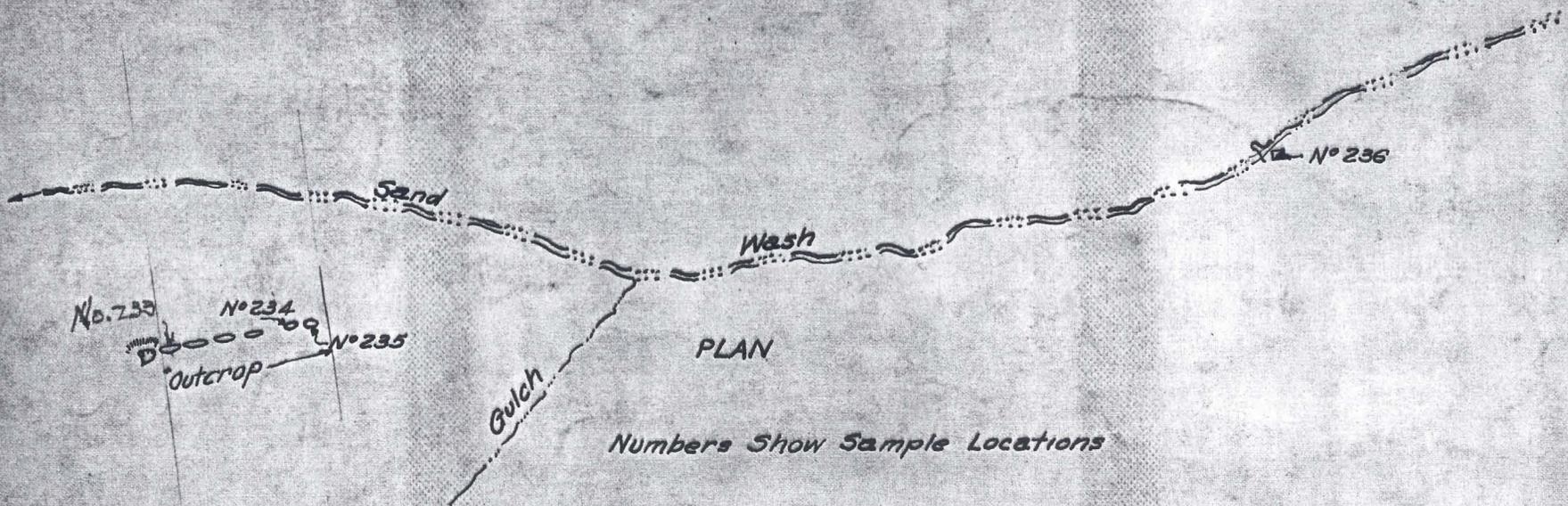
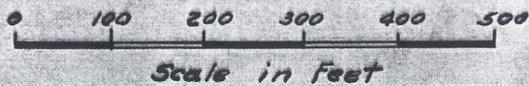


FIG. 4 - SECTIONS SHOWING ORE RESERVES



Numbers Show Sample Locations



Sketch Plan and Profile, PACKARD FLUORSPAR PROSPECT.



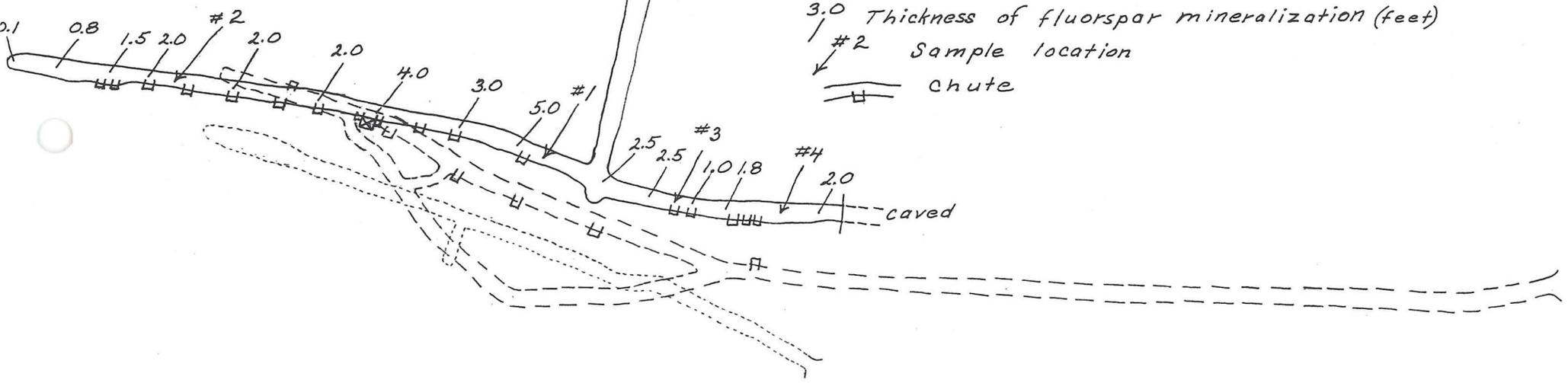
## BLUEBIRD MINE

Sec. 9, T6N, R11E GILA COUNTY, AZ.

Lower level: R. Goodmundson, Brunton-Tape 12/18/75  
 Upper levels: W.C. Hirt & V.E. Kral, Brunton-Pace 5/28-29/75

### LEGEND

- Lower level elev. ~ 3170'
- Intermediate level elev. ~ 3300'
- Upper level elev. ~ 3430'
- 3.0 Thickness of fluorspar mineralization (feet)
- #2 Sample location
- chute



Sketch

LONG. SECTION & PLAN

Scale Approx. 1" to 200' Plan  
" " " 1" " 100' Section

Walnut and Bluebird  
Fluorspar Claims

Lessee Colonel David Roscoe

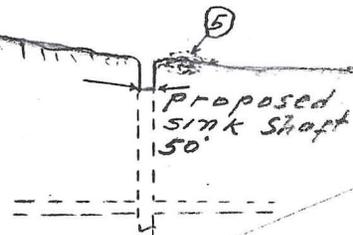
Tombstone Ariz.

Mine Located 8 miles East  
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Notes of Field Engr. Globe-Office  
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Resources April 20<sup>th</sup> 1944

① to ③ points sampled

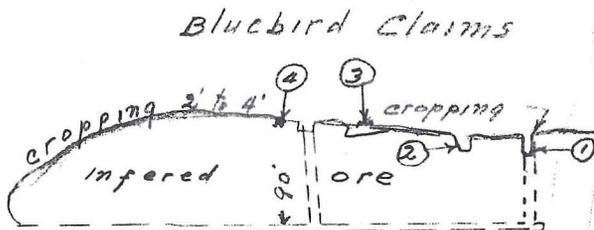
Walnut Claims



Walnut Cr.

Proposed Upper  
Tunnel No. 1

Long.  
Section Sketch



West  
To Rio  
Tonto  
4 miles

PLAN SKETCH

probable  
vein  
Cropping  
cuts

Proposed Tunnel

Proposed  
+ Cut Tun.  
200' Lev.

Elev. 3460  
Proposed  
Upper Tun.

Elev. 3270

N 70° E

N 70° E

(Elev.) shaft 15  
(3340) vein 6'  
Proposed  
To Sink 50  
15 Ton Dump  
vein-  
6'-capped  
shaft

High Hill

Elev.  
3680

walnut

Gulch

Canyon

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MM 1684 Fluorite, Massive

1699 Fluorspar Conc. From No. 1684

GILA COUNTY

PACKARD MINE MILS #318

3. AK412

Bluebird Mine (file)

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

Gila Co.

Bluebird Mine (file)

3-AKAG  
MILS # 318

MM-7931 Azurite Pendant

7932 " "

7933 Azurite Pendant

MM K860 Azurite, cuprite, malachite

MM K861 Azurite, minor chrys., cuprite, malachite

MM K862 Azurite, minor quartz, chrys., malachite

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

~~December 10, 1957~~

February 5, 1958

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

BLUEBIRD, WALNUT FLUORSPAR MINE  
(Property)

FLUORSPAR  
(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,  
Director.

Enc: Mine Owner's Report

Ventura Mine

ROSCOE, David L. (Colonel)

~~P.O. Box 224~~ Riviera Country Club

Tombstone, ~~Arizona~~ Pacific Palisades, 4-20-44

California 8-12-46

see BLUEBIRD, WALNUT FLUORSPAR MINE - Re Field Eng. Report.

See " " " " - Letter to Congressman  
Frank W. Boykin

See BLUEBIRD - Re approval of access road. 10-16-44

See R file - re gas application 2-12-45

See BLUEBIRD - re gas application 5-2-45

PACKARD FLUORSPAR ✓

Fl

Gila 4 - 2 T 6 N, R 11 E ✓

Mrs. Rhoda A. Packard, et al, Tonto Basin, *Ariz*, '46

~~MINING WORLD with which is combined~~  
THE MINING JOURNAL, Phoenix, Arizona, proposes to publish the following item of news in an early issue. Is it accurately stated? If not, please give the correct facts. Additional information will be appreciated.

Could you give me any more detailed information on this?

What name are you going to operate under? Thanks

✓ David L. Roscoe of Tombstone, holds a lease and option to purchase of the Walnut and the Bluebird 2, 3, and 4 claims located near Tonto Basin. Development of the Walnut claim consists of a 14-ft. shaft and a 5-ft. test pit. Mrs. Rhoda A. Packard, Mrs. Nora I. Cline and C. B. Pettengill, all of Tonto Basin, are the owners of the property.

IF THIS ITEM IS CORRECT—NO REPLY IS NECESSARY

THE MINING JOURNAL IS \$1.00 A YEAR—24 ISSUES

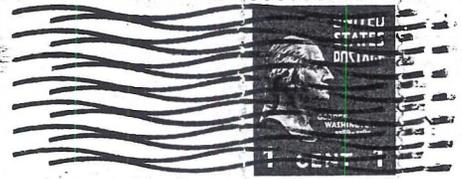
~~MINING WORLD with which is combined~~

THE MINING JOURNAL is the only mining magazine which extends the courtesy of an opportunity to check news before publication. It desires to be accurate and complete and will appreciate your cooperation in keeping it so . . . . . MANY THANKS

To Postmaster—Return Postage Guaranteed



PUBLISHED AT PHOENIX, ARIZONA



David L. Roscoe,

~~Tombstone, Arizona~~

Riviera Country Club  
Pacific Palisades  
Calif

PACKARD MINE

GILA COUNTY

GSA reports that Mr. Zinkl shipped 335 LDT on the Fluorspar program before it closed 12-31-58.

dec'd Jan. '63

It is reported that Cooper/Shapley has a 10 year lease on the Packard Mine & Mill, Tonto Basin. LAS WR 6-17-59

JFMW

~~NO NOT REPRODUCE~~

PACKARD MINE

GILA COUNTY

DO NOT REPRODUCE

M. L. Tate, Ponderosa Development Co., Ltd., General Manager, 1440 E. Adelaide Dr., Tucson, Box 4800 N, was in relative to fluorite. He said that his company had optioned the Packard Mine (Tonto Basin) and had tried to obtain the Lonestar (Whetstone Mtns.) but it is now in litigation. LAS WR 12-11-64

---

It was thought that Mr. Mallery had gone back to New Mexico after completing legal part of taking over the Packard or Bluebird fluorspar mine. There is no activity at the mine. GW WR 6-26-70

---

Went to Pumpkin Center and inquired about Mr. Mallery and the Packard fluorspar mine. It was reported that no mining since the last visit - no men had been hired to work. GW WR 10-30-70

---

Went into Payson where Mr. Walker, manager of the Ox-Bow Inn, reported that Mr. Mallery, who has the Packard fluorspar property, had three men from New Mexico in to look at it with the idea of selling. GW WR 2-23-71

---

Went down to the Tonto Mining Company fluorspar mill at Pumpkin Center where Jack Hamilton is installing another ball mill which he thinks will about double the capacity. The present mill has 9 flotation cells and recovers 55-60 tons of acid grade material from 75-80 tons of crude ore. GW WR 4/27/72

---

There are 8 men working at the Blue Bird mine, from which all the production is coming. Soon they expect to begin development at the White Cow mine. There are 6-8 men working in the mill. Mr. Howe was in Phoenix, Jim Kennedy who was mill supt., has quit to work an oil project in New Mexico. GW WR 4/27/72

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PACKARD MINE

GILA

Went to the Packard mine 7 miles east of Punkin Center where Vic and Bill were making an examination of the fluorspar potential. Finished the Packard examination. There was water in the bottom of the incline shaft which obviated the examination of the lowest level (#3). GW WR 5/28,29/75

---



DO NOT REPRODUCE



United States Department of the Interior

BUREAU OF MINES

BUILDING 20, DENVER FEDERAL CENTER

DENVER, COLORADO 80225

Intermountain Field Operations Center

July 30, 1976

Re: Grant G0254012

11  
Bluebird file  
See: Parker file (re: GW)

Mr. John H. Jett, Director  
Arizona Department of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, Arizona 85007

Dear John:

I am enclosing copies of the sample analysis reports for the Macfadden, Bluebird, and Barium King fluorspar samples that you asked the Bureau to have run for  $\text{CaF}_2$ . These were not completed in time to be included in your final report on fluorspar; however, you may want to include them in your files for future reference.

Sincerely yours,

*Richard A. Salisbury*

Richard A. Salisbury  
Geologist

Enclosure



*File assay  
reports in  
appropriate files*







Glen Walker - Weekly report for week ending June 16, 1972

Thursday, June 15 - Went to the fluorspar operation of Tonto Basin Mining & Milling Company at Punkin Center. The second ball mill was placed in operation June 12. It has increased the capacity to 125 tpd. Their Blue Bird mine about 5½ miles E. of mill is developed on two levels approximately 100' apart by adit drifts. In the lower adit there are 9 chutes, the first about 300' from the portal. They are approximately 30' apart. Beyond the last chute it is about 105' to the face, which is barricaded off. Although the stopes were not visited, the foreman, Mr. William McKenzie said they are about 300' long and broken thru to the surface for a length of about 25'. The trend of this adit varies from N65°W to N85°W. The vein dips steeply north and is 3-6 feet wide in red medium grained granite.

The upper adit trends S75°-80°W for about 150' then turns to about N80W. Here there are 2 raise & chutes about 100' apart; the first being 130' from the portal. Present work is stoping between the two levels as most of the minable ore above the upper level has been removed.

The equipment consists of a 250 cfm Le Roi portable compressor. Two 14 cu. ft. 18" gauge end dump cars, a 12B Eimco mucker, with an undetermined number of jack-legs and stopers, tungsten insert, solid 7/8" shank steel is used throughout. A Bobcat mucker and a 5 HP air slusher were outside the lower portal. At the upper adit is a 250 cfm G-D portable compressor.

The company is trying to get 22° inclined shaft sunk in a steep, narrow canyon 300 to 400 feet NW of the lower adit. It is 212 feet deep and they are wanting to contract the balance of it. No drill holes were put down therefore, the remaining depth is unknown.

As stated above, the mineralization occurs along a fault in red granite which can be traced at least 1500 feet. From 400-1000 feet east of the lower portal, the fault is in a wash from which about 1000 tons of spar has been mined.

The White Cow mine is 7½ miles NE of the mill and consists of two open cuts on roughly parallel veins in red granite. The southern vein is 5-10 feet wide, trends N45W and dips steeply to the SW. The excavation on it is perhaps 1000 feet long by 30 feet wide and 10-30 feet deep. The north vein is 3-4 feet wide, the surface of which has been uncovered for at least 1000 feet, to a depth of 2-4 feet. Between the veins, which are about 70 feet apart on the SE, is 20-40 feet thick diabase dike. Presently an adit is being faced-off on the narrow vein on the SE side of the hill.

Equipment here is a D-9 Cat dozer with a hydraulic ripper, a Bobcat mucker, a John Deere front-end loader and a 100 cfm portable Atlas compressor. A building for changeroom and warehouse is being put up on the hill above the diggings. Considerable production is anticipated from here in the near future.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Packard

Date December 11, 1958

District Spring Valley, Gila County

Engineer Frank Knight and Lewis Smith

Subject: Mine Visit (supplementary to a report by Travis Lane (8-21-58))

Operator: Andrew J. Zinkl, "National Fluorspar & Chemical Co."  
Tonto Basin, Arizona

The "main" vein strikes EW and dips variably from vertical to  $70^{\circ}$  south. The hanging wall is sharply defined and firm. The wall rock is granite at the upper adit level, but shifts into volcanic cap rock at some distance above. The vein varies from  $1\frac{1}{2}$  feet to 5 feet in width and is clean, fluorite throughout, no breccia material of consequence being observed. The material now being mined is relatively high grade, but requires milling because of footwall dilution, depending upon the vein width.

The upper adit was extended from 270' in length, as of August, to 320', and two shrinks were established above the adit level. The lower adit, 150 feet below the main adit is in 75 feet and has encountered  $1\frac{1}{2}$  feet of fluorspar which is predominantly purple in color. The fluorspar in the main adit is mostly white in color. The fluorite is massive with only very small crystals being observed in fractures.

Four men are employed at the mine. The ore is hauled by means of a ten ton Mack truck to the mill over a  $7\frac{1}{2}$  mile bulldozer road. The mill is handling 25 tons per day at present. The flotation concentrate runs about 99%  $\text{CaF}_2$  which is very high grade. The reagents are fatty acid types plus Zanthate. The flotation cells are of the Denver type. Two grades of concentrates are being shipped daily. Three men are employed at the mill.

Mr. Zinkl is trying to obtain an independent market for his product in California. The smog control people have nearly excluded the use of fluorite in ceramics, but due to the high grade character of the Zinkl concentrate, it is hoped that a market in the chemical industry can be obtained. Otherwise the project will cease at least temporarily with the termination of the support program at the end of the year.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Packard (Bluebird, Walnut) Date August 21, 1958  
District Spring Creek Dist., Yavapai Co. Engineer Travis P. Lane  
Subject: Visit to property

Operator: Andrew J. Zinkl. Anticipates forming a corporation to be called  
"National Fluorspar & Chemical Co."

Address: Tonto Basin, Arizona

The writer visited the mill site on August 21st and inspected the mill construction work then in progress. Transportation was not available to reach the mine 8 miles northeasterly by rough road from the mill.

The property comprises 4 unpatented claims and is located 11 miles easterly, across Tonto Creek, from the settlement of Tonto Basin, which in turn is 78 miles northeasterly from Phoenix, in most part over the recently constructed "Bee Line" highway (via Sunflower). Tonto Basin is 58 miles northwesterly from Globe via the Apache Trail and Roosevelt Dam. The latter route is good road, paved in part, but with some steep grades and many torturous sections. The mill, presently under construction, is in low hill country about 1 mile east of Tonto Creek and 4 miles south and east from Tonto Basin.

The property was the subject of an exploratory program by the Bureau of Mines in 1945 -- described in R. I. 3880.

At the time of visit 4 men were employed on development at the mine. Mr. Zinkl advised that the 170 foot adit driven by the Bureau of Mines had been extended to 240 ft. with values and widths about the same as in the 170 ft. section, i. e. an average width of approximately 3 ft. and  $\text{CaF}_2$  content of 75% or more. A raise to the surface (70 ft.) is to be started at 153 ft. from the portal, and at about the same point a long hole will be drilled into the south wall to test for a downward extension of a prominent vein cropping which is apparently a branch of the vein upon which the adit is driven. The vein in the adit stands practically vertical, and with average backs of 70 ft. Mr. Zinkl estimates an ore reserve of about 15,000 tons (counting upon some ore extension beyond the present face of the adit). A new adit level is planned at 100 ft. lower elevation than the main adit and Mr. Zinkl expects to develop at least 20,000 tons at this horizon.

The ground in the adit is firm, and it is proposed to mine by shrink method. The vein width is narrow for this type of mining and undoubtedly considerable dilution will be experienced, but Mr. Zinkl does not believe it will be excessive.

The mill construction crew consisted of 6 men at the time of visit. The plant capacity is expected to be 50 TPD. All the major machinery items are on the ground, the principal items being a jaw crusher, steel mill bin, 42" x 60" ball mill with classifier, conditioning tank, flotation cells (one 3-cell bank, one 2 cell bank and a single cell), a diesel generator set (35 KW generator), and several smaller gas power units, also conveyor, ore feeder etc. The mill construction was approximately 60% complete and Mr. Zinkl anticipated a start up date about the middle of September, perhaps earlier.

An ample water supply has been developed in a well in the creek flat about 1/2 mile from the mill. Installation of the pump and pipe line have been completed.

Packard (Bluebird, Walnut) (continued)

Metallurgical test work by the Bureau of Mines indicated that with a 65 M grind the material would readily concentrate by flotation to acid grade specifications, using fatty-acid reagents. At 93% recovery a 98.7%  $\text{CaF}_2$  concentrate was obtained and at 90% recovery the product assayed over 99%  $\text{CaF}_2$ . The monthly plant output therefore (after eliminating inevitable start-up "bugs") will depend largely upon the tonnage rate that the mine in its limited state of development will be able to furnish the mill, and to what extent dilution will affect the grade of mill feed (and therefore the ratio of concentration). A monthly production of somewhat more than 500 tons of acceptable grade concentrate seems possible.

FEDERAL RESOURCES  
RECEIVED  
APR 27 1944

Friend Ballam;

I received the copy of Macfarlane's report yesterday right after mailing my note of reminder to you. I might have known that such reminder was <sup>not</sup> necessary, but so much time has been lost, since I started this job, that I was anxious to get the application in. I am mailing it to Mr. Goring today, and I inclose copy of a letter which I attached to the application. Maybe it would be well to send it on to Mr. Broadgate, but use your own judgement about that.

I really think the application is in good shape now -and I have your department to thank for valuable assistance.

Sincerely yours,



Tombstone, Ariz.  
April 26, 1944

Post Office Box 224  
Tombstone, Arizona,  
April 25, 1944

The Director-  
Reconstruction Finance Corporation  
Washington, D.C.

Dear Sir:

In submitting the attached application for a government loan to be used for the development of FLUORSPAR on the BLUE BIRD and WALNUT Mining Claims, I desire to state as follows:-

An application for a similar amount was made in 1943 by the Tonto Mining Company. That application was made by Roy H. Barnes and the undersigned as limited co-partners. That co-partnership has been formally and legally dissolved, and the undersigned is now sole owner of the bond & leases on the above named properties.

In asking you to reconsider the merits of these properties, I desire to point out that the application submitted to you in 1943, was exceedingly incomplete. No metallurgical analysis had been made of the ore. No breakdown of costs of mining, milling, trucking etc. was made, and therefore no estimate of profits was possible. Neither was there a break-down of the manner in which the requested government funds would be expended. No comprehensive plan of development was submitted and no engineer's report other than that of Mr. Barnes, was presented. Certain intermediate interests and high royalties detracted from the merits of the set-up as presented. All of these matters have been corrected after many months of negotiation, research and painstaking effort by the undersigned. In this connection, I desire to state that, at the time the previous application was made, the undersigned was living in California and had never seen the above described properties. Therefore, most of the details were left to Mr. Barnes. I merely advanced some \$1,500.00 to him for a specified interest.

In view of the above facts, and in consideration of the fact that fluor-spar has become of greater importance in the War effort, I respectfully request that the attached application be given consideration, unbiased by the previous unsatisfactory application. In avoiding the errors and deficiencies of that application, I have gone into detail to the point of boredom, perhaps, -for which I crave your indulgence.

I wish to invite your especial attention to the following exhibits:-

- (a) EXHIBIT L. -Breakdown of costs of production and profits expected.
- (b) EXHIBIT F. -Metallurgical analysis by Denver Equipment Co.
- (c) PAGE 3 of application: -Breakdown of proposed expenditures of the requested loan.

I also wish to state that, on the recommendation of the U.S. Bureau of Mines Engineer following his inspection of the property on March 30th, I have, under date of April 8th, made application for an access road, through the U.S. Forestry Service Headquarters at Phoenix.

Very truly yours,

# PEBBLE BEACH OIL COMPANY

SUCCESSORS TO ROSCOE & STANLEY

DEL MONTE, CALIFORNIA

DAVID L. ROSCOE, PRESIDENT  
FIELD OFFICE  
EL TEJON HOTEL  
BAKERSFIELD, CALIF.

Tombstone, Arizona,  
Aprin 24, 1944

Dear Ballam;

My application <sup>for</sup> of a loan is about complete except for information, (maps, sketches etc) made by Macfarlane. He informs me that his report has gone in to your office and that you will forward me a copy -as you also told me you would. However, lest you may forget it, this is a reminder and also you might consider it a polite request to "get a move on".

When will you be down this way? I read, with much interest, your recent article in Pay Dirt. Keep it up!

With best regards to all of you good people, I am

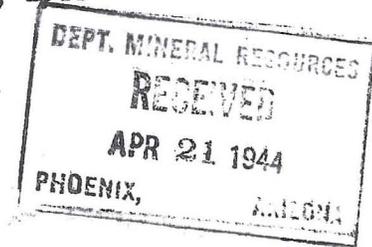
Sincerely yours,

David L. Roscoe



Box 506 Globe, Arizona.  
April 20th, 1944

Department Of Mineral Resources  
Phoenix, Arizona.



Mr Coupal Director;.

Colonel David L. Roscoe of Tombstone, desires a copy of the enclosed report, and of the sketch I mailed to you yesterday, in order that he can, without delay, file an application for an R.F.C. loan.

Expecting you in Globe tomorrow I am.

Yours very sincerely

*A. Macfarlane*

*Copy of report & map mailed*

APR 24 1944

**PEBBLE BEACH OIL COMPANY**

SUCCESSORS TO ROSCOE & STANLEY

DEL MONTE, CALIFORNIA

DAVID L. ROSCOE, PRESIDENT  
FIELD OFFICE  
EL TEJON HOTEL  
BAKERSFIELD, CALIF.

Tombstone, Ariz.  
April 8, 1944

My dear Ballam;

Very many thanks for your promptness in attending to my request. I appreciate it!

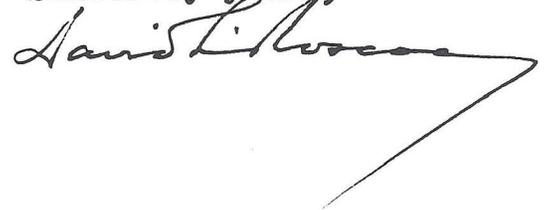
I inclose copy of my application for an access road which I am mailing at this time. The application for the loan may be a few days late but I will get at it just as soon as I can.

Will you please let me know whether the inclosed application together with the accompanying letter is in order -and whether it covers what the Public Roads Administration wants? It seems to me that they will be guided somewhat by what action the RFC takes on my loan application. However, that need not necessarily stop the exploitation of my property permanently.

Will you kindly show this application to Mr. Coupal and thank him for his letter -just received? Also, my thanks to Mr. Willis for passing my request on to you.

Again, with many thanks for your co operation, I am

Sincerely yours,



Riviera Country Club.  
Pacific Palisades, Calif.  
August 12, 1946

Department of Mineral Resources,  
Phoenix, Arizona.

Gentlemen:

The undersigned owns the fluorspar property described on the inclosed card. The U.S. Government built an access road to the property and ran a tunnel approximately 150 ft on the vein, and did considerable pit digging.

The ore in the drift averages 85%  $\text{CaF}_2$ .

Upon completion of the work, the undersigned purchased the rails and air line which remain on the property, in place.

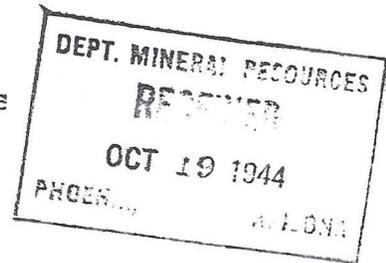
This property is for sale or lease on extra-liberal terms. Prospective purchaser or leaser may check with the U.S. Bureau of Mines in the Engineers Building, University of Arizona at Tucson, and may inspect the property by going to see Mrs Rhoda Packard at Tonto Basin.

Yours very truly,

  
David L. Roscoe

Tombstone, Arizona  
October 18, 1944

Mr. Chas. H. Dunning, Director  
Department of Mineral Resources  
Phoenix, Arizona.



My dear Mr. Dunning;

I thank you very much for your note of the 16th. I had received word from Bill Broadgate -in Washington- that the Bureau of Mines had allotted \$5,000 for the purpose of doing some exploration work on my fluorspar property, and, in today's mail, I received a confirmation of this from Mr. Willis. While your note stated that "a \$5,000 allotment had been made for an "access road", I assume that you referred to the same allotment.

However, I received word from the Tucson Office of the Bureau of Mines, this morning, informing me of the action of ~~the~~ their Washington Headquarters and stating that they are recommending the construction of a passable trail with the proviso that the road be completed if the proposed exploration work reveals sufficient ore to justify it. That is exactly what I asked for in the first place but it seems that it required the assistance of Broadgate, Willis and Senator Hayden to get it through; -all of which I greatly appreciate.

I enjoyed meeting you and hope to see you again before long. Kindest regards to friend Ballam.

Sincerely yours,

*David L. Hoscoe*

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine BLUEBIRD, WALNUT FLUORSPAR MINE

Date April 20, 1944

District

Engineer Andrew Macfarlane

Subject: Mine examination  
Lessee: ✓ David L. Roscoe (Colonel)  
Tombstone, Arizona

Location of Claims: About 8 miles on an easterly line from the village of Tonto, and approximately 5 miles and situated in foothills easterly of the Tonto Creek, in T, 6 and R, 11 E. Gila County, Arizona.

Road: To reach these mining claims from Globe the rail point and County seat, take Apache Trail highway from Globe to Roosevelt a distance of about 30 miles, crossing the dam where the road winds around the western shore of the Roosevelt lake taking a general northerly direction for about 20 miles to reach the village of Tonto.

At Tonto a branch or local road crosses the Tonto creek about 1 mile east of the store, thence winding in a general easterly direction a fair and partly maintained narrow road, extends for several miles and at a point about 8 miles easterly from the Tonto Creek crossing, this road reaches a point within 3 miles of the claims.

Leaving the automobile at this point Mr. Thos. L. Chapman of the U.S.B. of Mines and the writer, guided by Mr. Pettengill, walked over the rolling and part steep terrain, reaching the small workings of the claims about 3 miles southerly from where the automobile was left.

According to local information the route we took to reach the claims was the best; this leaves about 3 miles of road to be built before either mine equipment or much mining could be installed.

Mine Claims: Stated to be four in all in this Bluebird-Walnut group; these four claims would cover all the present visible mineralization amply.

Workings: From the direction we entered the ground first reached being the Walnut claim, here in the gulch of the same name, are found 2 shallow shafts, which due to recent rains were filled with water, even with their collars; however the vein or deposit of Fluorspar was plainly in view and appeared to be about 6 feet in width.

A 15 to 20 ton dump near the collar of the deepest shaft was sampled by Mr. Chapman and it is noted that; the vein lense or spar deposit here, is capped over with Granite and neisse, and no traces of spar in place are evident, as a continuation of the spar visible in the 2 small shafts.

More or less 1500 feet southwesterly from the Walnut shaft and following up an abrupt ridge crest, is found the croppings of the Bluebird vein. This cropping is visible and defined for about 175' along its east to westerly course.

The protruding croppings and four small cuts made in prospecting the vein, shews a width at this surface varying between 2' and 5'; these 4 small cuts on the Bluebird and the 15' shaft and nearby cut on the Walnut are the total present extent of the workings.

Proposed Mine Exploration: To sink on the 6' vein now visible in the Walnut prospect shaft, and extend some drifting on the 50' level, here if the spar is commercial in size and grade, continue to the 100' level and again drift along the ore course.

From the east slope of the Bluebird hill a tunnel be extended along the western course of the croppings and at a depth of about 100 ft. below the four small cuts now made in these croppings; this tunnel in length should be fully 350' to 400' from its portal.

I would expect this tunnel to open up a body of spar several hundred feet long, with a average width of over 3', this would be tunnel No. 1 and if the ores developed by this tunnel warrant a deeper development, a crosscut tunnel cutting the ledge fully 100' lower can be driven from the canyon floor, a crosscut distance of about 400' hence drifting on the vein, to the east and west limits of the ore body.

Cost of Above Development: The first stage of the proposed workings would be following the continuation of the present visible spar veins with about 600 linear feet of underground developments.

A practical direct mining cost of 12.00 per foot should be the maximum footage cost, making a total for this work of.....	\$ 7,200.00
Mining plant, Cabins and road estimated at.....	5,000.00
Reserve for unforeseen and overhead, taxes, etc.....	2,800.00
Total	15,000.00

Ore Character: Several samples of the exposed ores were taken, these believed to be fairly representative of the vein matter, averaging the analysis of 6 samples the first 4 being of the Walnut shaft ores, we have the following:

	<u>Calcium</u>	<u>Silica</u>	<u>Spar CaF<sub>2</sub></u>
Four Walnut Samples.....	1.85%	23.35	74.8 %
Two Bluebird Samples.....	1.98	17.1	80.9

The spar is crystalline white and frequently sprinkled in the Bluebird croppings with greenish acid grade.

Recent metallurgical tests for mill flow sheet, demonstrates that the silica and lime can be mostly eliminated and a good grade metallurgical spar product attained, together with a percentage of the mill product may yield acid grade.

Ore Tonnage: The small cuts made in the Bluebird cropping and the visible cropping as followed down the steep eastern slope, may reasonably be considered a block of spar vein 200' long by 50' in depth, the cropping indicating a width of 3 feet; this gives a block of about 2,000 tons of at least very probable ore.

Mining and Trucking Costs: can only be estimated roughly at this time due to the lack of underground workings, and the construction of a few miles of road, connecting the mine adits to a practical trucking road, distant from the mine about 3 miles.

However it seems fair that a cost per ton mining of	\$5.00
and for trucking to rail siding at Globe, estimated at	4.00
Per ton--direct mining and trucking	9.00

Marketing Fluorspar: As the quotations for Spar F.O.B. cars Globe are somewhat variable and of course the percentage of CaF<sub>2</sub> in the crude ores or product of Jigging are both only an estimate, at this stage of the project; about all that can be offered now, is that the offers for spar of metallurgical grade 96% CaF<sub>2</sub> are around \$30.00 per ton.

One offer or quotation for 85% CaF<sub>2</sub> with Maximum Si. of 5% is \$22.00 per ton less penalties.

It is apparent that a substantial margin may be earned between the costs of mining Jigging and trucking the spar to Globe, and the sale value of the product.

Vein Occurrence: Referring to the Bluebird ledge, this may be classed as a fault fissure in a granitic country rock; there is little evidence of deformation or surface enrichment; the granite crest of the hold hill skirting the south side of the Walnut creek, is faulted by the spar vein with distinct wall structures on both sides of the nearly vertical vein.

The wall selvage and continuity of the surface cropping may indicate, that the Fluorspar ledge will carry to considerable depth, the presence of fluorspar in the Walnut prospect shaft at a horizon 300' below the Bluebird cropping, is indicative of depth.

It appears that the vein or deposit of the Walnut Spar may have been made prior to the over burden or capping materials deposition, as the surface obliteration of the Spar mineralization seems complete, within the Walnut claim.

The latest formative period the Ordovician shows rock movement and fracturing along the high crest of the granitic ridge just above the vein cropping in the Bluebird claims. Here considerable talus covers the eastern continuity of the vein cropping.

Conclusion: The Bluebird-Walnut Fluorspar group has merit as a prospect requiring now development of the mineralization, to end of making available a commercial quantity of fluorspar; if this is determined first, then in order following will be the best method of operational processes to be selected.

Department of Mineral Resources  
Globe Field Office.

DEPARTMENT OF MINERAL RESOURCES

REPORT

Covering BLUEBIRD, WALNUT FLUORSPAR MINE

LESSEE DAVID L. ROSCOE (COLONEL)

ADDRESS; TOMBSTONE, ARIZONA. Globe Field Office  
April 20th, 1944



Location Of Claims ;

About 8 miles on an easterly line from the village of Tonto, and approximately 5 miles and situated in foothills ~~approximately~~ easterly of the Tonto Creek, in T, 6<sup>th</sup> and R, 11 E. Gila County, Arizona.

Road; To reach these mining claims from Globe the rail point and County seat, <sup>take</sup> Apache Trail highway from Globe to Roosevelt a distance of about 30 miles, crossing the dam here the road winds around the western shore of the Roosevelt lake taking a general northerly direction for about 20 miles to reach the village of Tonto.

At Tonto a branch or local road crosses the Tonto creek about 1 mile east of the store, thence winding in a general easterly direction a fair and partly maintained narrow road, extends for several miles and at a point about 8 miles easterly from the Tonto creek crossing, this road reaches a point within 3 miles of the claims.

Leaving the Automobile at this point Mr Thos. L. Chapman of the U.S.B. of Mines and the writer, guided by Mr Pettengill walked over the rolling and part steep terrain, reaching the small workings of the claims about 3 miles southerly from where the automobile was left.

According to local information the route we took to reach the claims was the best; this leaves about 3 miles of road to be built before either mine equipment or much mining could be installed.

Mine Claims ; Stated to be four in all in this Bluebird- Walnut group; these four claims would cover all the present visible mineralization amply.

Workings

From the direction we entered the ground first <sup>reached being</sup> the Walnut claim, here in the gulch of the same name, are found 2 shallow shafts, which due to recent rains were filled with water, even with their collars; however the vein or deposit of Fluorspar was plainly in view and appeared to be about 6 feet in width.

A 15 to 20 ton dump near the collar of the deepest shaft was sampled by Mr Chapman and it is noted that; the vein lense or spar deposit here, is capped over with Granite and neisse, and no traces of spar in place are evident, as a continuation of the spar visible in the 2 small shafts.

More or less 1500 feet southwesterly from the Walnut shaft and following up an abrupt ridge crest, is found the croppings of the Bluebird vein. This cropping is visible and defined for about 175' along its east to westerly course.

The protruding croppings and four small cuts made in

Report Of

Blue-bird Walnut Fluorspar Group

Page 2

prospecting the vein, shows a width at this surface varying between 2' and 5' ; these 4 small cuts on the Bluebird and the 15' shaft and nearby cut on the Walnut are the total present extent of the workings.

Proposed Mine Exploration ; To sink on the 6' vein now visible in the Walnut prospect shaft, and extend some drifting at the 50' level, here if the spar is commercial in size and grade, continue to the 100' level and again drift along the ore course.

From the east slope of the Bluebird hill a tunnel be extended along the western course of the croppings and at a depth of about 100 Ft. below the four small cuts now made in these croppings; this tunnel *in length* should be fully 350' to 400' from its portal.

I would expect this tunnel to open up a body of Spar several hundred feet long, with an average width of over 3' , This would be tunnel No.1 and if the ores developed by this tunnel warrant a deeper development, a crosscut tunnel cutting the ledge fully 100' lower can be driven from the canyon floor, a crosscut distance of about 400' hence drifting on the vein, to the east and west limits of the ore body.

Costs Of Above Development ; The first stage of the proposed workings would be following the continuation of the present visible Spar veins with about 600 linear feet of underground developments.

A practical direct mining cost of 12.00 per foot should be the maximum footage cost, making a total for this work of \$7,200.00

Mining plant, Cabins and road estimated at .....	5,000.00
Reserve for unforeseen and overhead, taxes Etc.....	2,800.00
Total	<u>15,000.00</u>

Ore Character; Several Samples of the exposed ores were taken, these beleived to be fairly representative of the vein matter, averaging the analysis of 6 samples the first 4 being of the Walnut shaft ores, we have the following; Calcium Silica Spar CaF<sub>2</sub>

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Two Bluebird "	1.98	17.1	80.9

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Ore Tonnage; The small cuts made in the Bluebird cropping and the visible cropping as followed down the steep eastern slope, may reasonably be considered a block of spar vein 200' long by 50' in depth, the cropping indicating a width of 3 feet; This gives a block of about 2,000 tons of at least very probable ore.

Report

Bluebird-Walnut Fluorspar Group

Page 3

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However it seems fair that a cost of per ton mining of \$5.00 and for trucking to rail siding at Globe, estimated at 4.00  
Per ton ---Direct mining and trucking 9.00

Marketing Fluorspar: As the quotations for Spar F.O.B. cars Globe are somewhat variable and of course the percentage of CaF<sub>2</sub> in the crude ores or product of Jigging are both only an estimate, at this stage of the project; about all that can be offered now, is; that the offers for spar of metalurgical grade 96% CaF<sub>2</sub> are around \$30.00 per ton.

One offer or quotation for 85% CaF<sub>2</sub> with Maximum Si. of 5% is \$22.00 per ton, less penalties.

It is apparent that a substantial margin may be earned between the costs of mining Jigging and trucking the Spar to Globe, and the sale value of the product.

Vein Occurrence ; Referring to the Bluebird ledge, this may be classed as a fault fissure in a granitic country rock; there is little evidence of deformation or surface enrichment; The granite crest of the bold hill skirting the south side of the Walnut creek, is faulted by the spar vein with distinct wall structures on both sides of the nearly vertical vein.

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The latest formative period the Ordovician, shows rock movement and fracturing along the high crest of the granitic ridge just above the vein cropping in the Bluebird claims. Here considerable talus covers the eastern continuity of the vein cropping.

Conclusion ; The Bluebird- Walnut Fluorspar group has merit as a prospect requiring now development of the mineralization, to the end of making available a commercial quantity of fluorspar; if this is determined first, then in order following will be the best method of operational processes to be selected.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT



Date: Feb 26, 1958

1. Mine: ✓ Bluebird, Walnut Fleetspar Mine

2. Location: Sec..... Twp..... Range..... Nearest Town..... Distance.....  
Direction..... Nearest R.R..... Distance.....

Road Conditions.....

3. Mining District and County:.....

4. Former Name of Mine:.....

5. Owner: ✓ David H Roscoe

Address: 300 California Avenue Santa Monica

6. Operator:.....

Address:.....

7. Principal Minerals:.....

8. Number of Claims: Lode..... Patented..... Unpatented.....

Placer..... Patented..... Unpatented.....

9. Type of Surrounding Terrain:.....

10. Geology and Mineralization: 

This mine was abandoned by the undersigned in 1946. I regret that I am unable to give its exact location  
David H Roscoe

No ore was ever shipped from the property by me. DHR

11. Dimension and Value of Ore Body: Approximately 2 ft for a

distance of about 30 ft (High grade) I would recommend the sinking of a shaft on the vein.  
DHR

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective leasors or buyers.

12. Ore "Blocked Out" or "In sight":.....  
.....  
.....

Ore Probable:.....  
.....  
.....

13. Mine Workings—Amount and Condition:.....

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply:.....  
.....  
.....

15. Brief History:.....  
.....  
.....  
.....  
.....  
.....  
.....

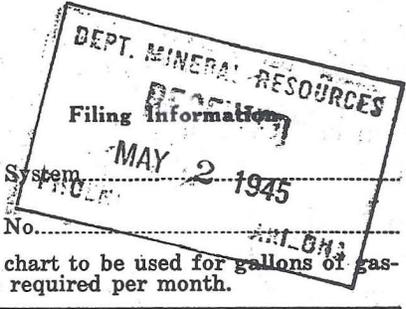
16. Remarks:.....  
.....  
.....  
.....  
.....

17. If Property for Sale, List Approximate Price and Terms:.....  
.....  
.....

18. Signature:.....  
.....

# DEPARTMENT OF MINERAL RESOURCES

## REPORT TO OPA ON ACTIVE MINING PROJECT



Date.....

Name of Mine... ROSCOE FLUORSPAR MINE .....

Owner or Operator... David L. Roscoe .....

Address... Tombstone, Arizona .....

Mine Location... Ten miles east of Tonto Basin, Gila County, Arizona. .....

**PRESENT OPERATIONS:** (check X)

Production.....; Development...  ..; Financing.....; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip...  ..;

Other (specify) Temporary assess road recently completed. Exploratory work by Bureau of Mines now in progress. New & permanent access road and further development contemplated; then production.

**PRODUCTION:** Past and Future.

Approx. tons last 3 months ..... None .....

Approx. present rate per 3 months ..... None .....

Anticipated rate next 3 months ..... None .....

If in distant future check (X) here X depending on time of completion of new road by Public Roads Administration. Possibly six months.

**EQUIPMENT OPERATED:**

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>One Chrysler Coupe</u>	<u>1200</u>	<u>80</u>
Light or Service Trucks	<u>none</u>		
Ore Hauling Trucks	<u>none</u>		
Compressors	<u>none by owner at present (1 by govt).</u>		
Other Mine or Mill Eqpt.	<u>None</u>		

**PRODUCT PRODUCED OR CONTEMPLATED:** Name metals or minerals.

..... FLUORSPAR .....

**REMARKS:**

Distance from Tombstone to property via shortest route, & return, is 527 miles. Two round trips per month contemplated for next three months. Also, occasional trip to Tucson & Phoenix in connection with preparations for placing this property on production.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By David L. Roscoe  
Owner

April 6, 1944

Colonel David L. Roscoe  
Tombstone, Arizona

Dear Colonel Roscoe:

Mr. Willis referred to me your application for access road and RFC application forms.

I am enclosing copies of the access road application forms which are to be submitted in duplicate to the Public Roads Administration in Phoenix.

Under a recent change in procedure it is necessary to accompany these forms with duplicate copies of a statement showing that labor and critical equipment are available for the proposed operation. This statement should show (1) the number of men present on the job, names, ages, non availability for large mine or defense industry and reason therefor, together with a comment on their experience in your type of operation. If more men are needed a further statement to the effect of how many are available should be added; (2) machinery necessary for the operation, on the job or available should be listed, at least the major items.

You will see, Colonel, how carefully new operations are being scrutinized to determine their value to the war effort.

An additional change in procedure involves immediate transmittal by Public Roads to the WPB in Washington where the less likely projects are immediately weeded out before being returned to the local agencies for processing. Hence, in order for this office to be of assistance in advancing your case, we should be notified when you present your application to Public Roads. Then we can inform Broadgate so that he can try to convoy the case through the first danger zone. Heretofore, his activity has come towards the end of processing when the case came before WPB for final action. For this purpose I am enclosing a third copy of the application which you might send to this office.

I called the RFC and they will mail one application form to

April 11, 1944

Colonel David L. Roscoe  
P. O. Box 224  
Tombstone, Arizona

My dear Colonel:

We have reviewed the access road application together with your supporting letter and they seem to fill the bill. Advise you submit them to Public Roads. Meanwhile, we are notifying Broadgate that your application will be forwarded to WFB in Washington and he will be on the lookout for it.

We have not yet received Macfarlane's report on the property, due to his having been in the field rather continuously. Next week is his week in Globe; and as soon as the report is received, we will forward a copy to Broadgate so that he may give your application such attention as is necessary.

Also, in answer to your query regarding availability of Mac's report, as soon as we get it, a copy will be forwarded to you.

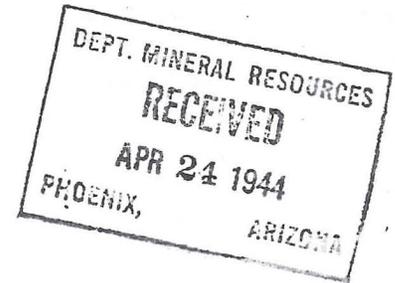
We are undergoing a rerouting of our districts and I am again taking on the Tombstone schedule, hence, I hope to see you all in May. With kindest personal regards, I am

Very truly yours,

George A. Ballam  
Assistant to the Director

GAB:JES

Washington, D.C.  
April 21, 1944



SUBJECT: Roscoe Fluorspar access road

You had better check and see why this application has not yet reached Washington. The Access Roads Division has seen nothing of it at WPB.

I know these lads pretty well, they have been very cooperative in the past and am pleased they will have about the first whack at applications from now on.

I don't think there is anything special you can tell applicants more than that they should be careful to fill out the forms fully and furnish such supplementary material as they can which their answers to the questions of the form indicate should be amplified. If I find that anything special is generally being left out I will tell you.

Bill Broadgate

*Bluebird*

October 16, 1944

Colonel David L. Roscoe  
Box 224  
Tombstone, Arizona

Dear Colonel:

I got in touch with Willis today and you have no doubt already been advised from Washington that you were granted \$5,000 for a road to your fluorspar property.

I hope this works out O.K. and also hope to have the pleasure of seeing you again soon.

Yours sincerely,

Chas. H. Dunning  
Director

CHD:LP

COPY

Box 224  
Tombstone, Arizona  
October 14, 1944

MINERAL RESOURCES  
RECEIVED  
OCT 22 1944

Mr. W. C. Broadgate  
Washington, D. C. "

My dear Mr. Broadgate:

I have just received your letter of the 12th instant and I hasten to express my thanks and sincere appreciation for your splendid work in my behalf.

The Forestry Department has approved an access road to my property - to the extent of \$10,000 and referred it to the Bureau of Mines Office at Tucson. The local authorities there have wanted to do this exploratory work and so recommended to the Washington Headquarters but, to their disappointment, the thing was held up there. However, you see to have changed Dr. Sayers' mind, and so I have just written a letter to go out in this mail to Mr. Hedges, suggesting that he qualify his approval of the access road already referred to his office approved by the Forestry department, so as to recommend that the "trail" necessary to get the exploration equipment to the property be built with the understanding that if the exploration work to be done warrants it, they then complete the access road as originally approved.

I believe they will do this but I'll know more about their decision soon and will let you hear from me.

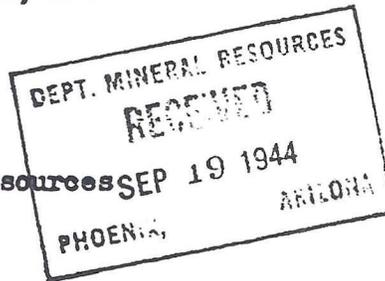
With renewed assurances of my appreciation, I am

Sincerely yours,

/s/ David L. Roscoe

Sept. 28, 1944

MEMORANDUM



Roscoe Fluorspar

To: Director, Dept. Mineral Resources  
From: George A. Ballam

Col. David L. Roscoe of Tombstone is the owner of a fluorspar deposit near Tonto Basin. During the past year or so he has been endeavoring to have the government finance some exploration in this area, but was unsuccessful with RFC. Bureau of Mines appears to be ready to do some exploration work as soon as funds are available. I asked the Colonel to take the matter up again with a view to having some of the Boykin money - appropriated for this specific purpose - made available to B. of M.

To this end he is writing Rep. Boykin for further information re the status of the Boykin appropriation. You will recall that the Colonel was an old friend of Rep. Boykin and when Arizona made application for some of this money, said application was supported by a very strong letter from Col. Roscoe.

When information is available on the prospects of getting further Boykin money, I believe this project should be considered in the light of information and conditions which did not exist when RFC turned the property down, eg:

- (1) Since that time far greater emphasis has been placed on post-war mining, especially non-metallics, which can contribute to western mining economy.
- (2) The Bureau of Mines has since rendered a favorable report not only for exploration, but also for access road construction.
- (3) Money is, or was, available through the Boykin Committee for this specific work. It may be that Bill Broadgate can get some information on possibility of getting some more of this money. I believe Arizona received about \$50,000 of the \$150,000 asked for.

Blue Book

September 19, 1944

MEMORANDUM

TO: George A. Ballam  
FROM: Chas. H. Dunning

I note what you say in regard to the Roscoe fluorspar.

I am writing Bill Broadgate for more detailed information about the Boykin matter.

The Roscoe property seems rather remote for the production of anything as cheap as fluorspar, especially a post-war price, but I hope the Bureau will see fit to explore it.

EHD:LP

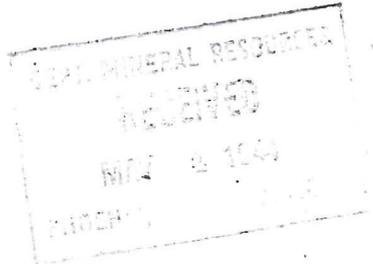
Wash. D. C.  
6-26-44  
W. E. B.

Subject: Roscoe Fluorspar access road

WPB has asked Public Roads to make up the final project  
in the form of a finished statement.

Bill Broadgate

Washington, D.C.  
May 3, 1944



SUBJECT: Roscoe Fluorspar

No wonder I couldn't locate this. It was filed as the Walnut and Bluebird claims.

The application is now in the fluorspar section, and I don't know how we will come out. The chief of that section is rather tough, but I have hopes it will be OK. I expect to talk to him tomorrow.

Bill Broadgate

P. O. Box 224  
Tombstone, Arizona  
May 1, 1944

Honorable Frank W. Boykin  
Member of Congress  
Washington, D. C.

My dear Frank:

This letter will probably be the surprise of your life. You may remember that some eight or ten years ago I was in your vicinity as a guest of Henry Bacon on Dauphin Island and you were good enough to purchase flowers for some very lovely ladies who had invited me to dinner which I could not attend, and therefore through your good offices I was able to square myself in a measure by the presentation of the roses you procured for me. I shall not forget that wild yacht ride we had across the channel one night with a young banker and his friends. I was never so frightened before or since.

I have noted with much pleasure your success in Congress and I see by the papers that you are now chairman of the Steel Shortage Investigation Committee in which I am vitally concerned.

Just at present I am preparing to produce fluorspar in Gila County in this state and have applied to the Reconstruction Finance Corporation for a loan for that purpose.

I have spent a considerable amount of my personal funds in preparation for this work but in order to develop the property to a point where it would be self sustaining it is necessary that this loan go through.

As you know, fluorspar is an absolute essential in the open hearth method of manufacturing steel. Furthermore, it is a somewhat rare substance in the west. However, there is enough to take care of the requirements of the steel mills now in operation or that are contemplated for the future so far as I have been able to determine. Anyway, my property is one of the best, if not the best in Arizona, and I am wondering if you can or would be willing to do anything to insure a friendly consideration of my application.

There is one organization in this state, the State Department of Mineral Resources, which is and has been doing yeoman work in an effort to meet war time requirements of strategic metals. I can say positively that they are very much interested in the exploitation of the fluorspar properties in this part of the country, and if it is within your province to cooperate with them to the extent of seeing

May 2, 1945

Colonel David L. Roscoe  
~~Tombstone, Arizona~~

*Riviera Country Club  
Pacific Palisades  
Calif.*

Dear Dave:

Am returning your application for gas  
as requested.

Had an inquiry from George Cabuis, 80  
Wall Street, New York City, relative to possible  
producers of acid and metallurgical spar. I sub-  
mitted your name and you will no doubt hear from  
him shortly.

Will be in Tombstone next Thursday and  
hope to see you at that time.

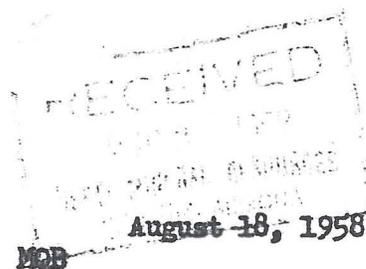
With kindest personal regards, I am

Yours very truly,

George A. Ballam  
Assistant to the Director

GAB:LP

Regional Director, DMS, Region 9  
San Francisco, California - ATTN: 9MQ



For Director, Inspection Division, DMS (MQ)  
Washington, D. C.

Hydrofluoric Acid Grade Fluorspar (P.L. 733)  
✓ Andrew J. Zinkl  
d.b.a. ✓ National Fluorspar and Chemical Company  
Tonto Basin, Arizona ..

Attached is a copy of a memorandum, dated August 15, 1958, from the Industry Branch, requesting an examination of the captioned fluorspar properties in the vicinity of Tonto Basin, Arizona; and also a copy of a letter from Mr. Zinkl, dated August 11, 1958.

As far as possible, the examination should cover the distance from the mill to a railroad loading point, type and condition of the road, type of mill and progress of construction, ore reserves and mining equipment, the possibility of delivering 3,000 tons before December 31, 1958, and any other pertinent information that may be useful to evaluate the planned operation.

If any crude fluorspar is exposed in the deposits, a limited number of channel samples for check purposes may be expedient.

Attachments - 5