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08/19/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: FLUORINE MINE

ALTERNATE NAMES:

NEPTUNE
FLUXORE

PIMA COUNTY MILS NUMBER: 208

LOCATION: TOWNSHIP 17 S RANGE 11 E SECTION 34 QUARTER C
LATITUDE: N 31DEG 54MIN 23SEC LONGITUDE: W 111DEG 12MIN 24SEC
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

FLUORINE FLUORSPAR

BIBLIOGRAPHY:

AZBM BULL. 189, P. 132, 1974
E.A. ELEVATORSKI, 1971, ARIZONA FLUORSPAR,
P. 31
ADMMR FLUORINE MINE FILE
ALSO IN SEC. 5, 6, 7, 8, 31 & 32, &
T16S-R11E - SEC. 31 & 32

NAME OF MINE: FLUORINE ✓

COUNTY: PIMA S
DISTRICT: SIERRITA
METALS: CU, F2

OPERATOR AND ADDRESS:

MINE STATUS

DATE:
5/1/44

✓
Wm C. Yell, Box 881
Tucson (Owner: E. J.
Freilinger, 414 S. 4th.
Ave., Tucson

DATE:
5/1/44

Shipping

secs 5-6-7-8 R 11E, T 17S.
also 31+32 T 16. S R 11E

ARIZONA FLUORSPAR DEVELOPMENT CO.

FLUORINE GROUP

PIMA COUNTY

PAPAGO (SIERRITA) DIST.

four
three (~~4~~) maps

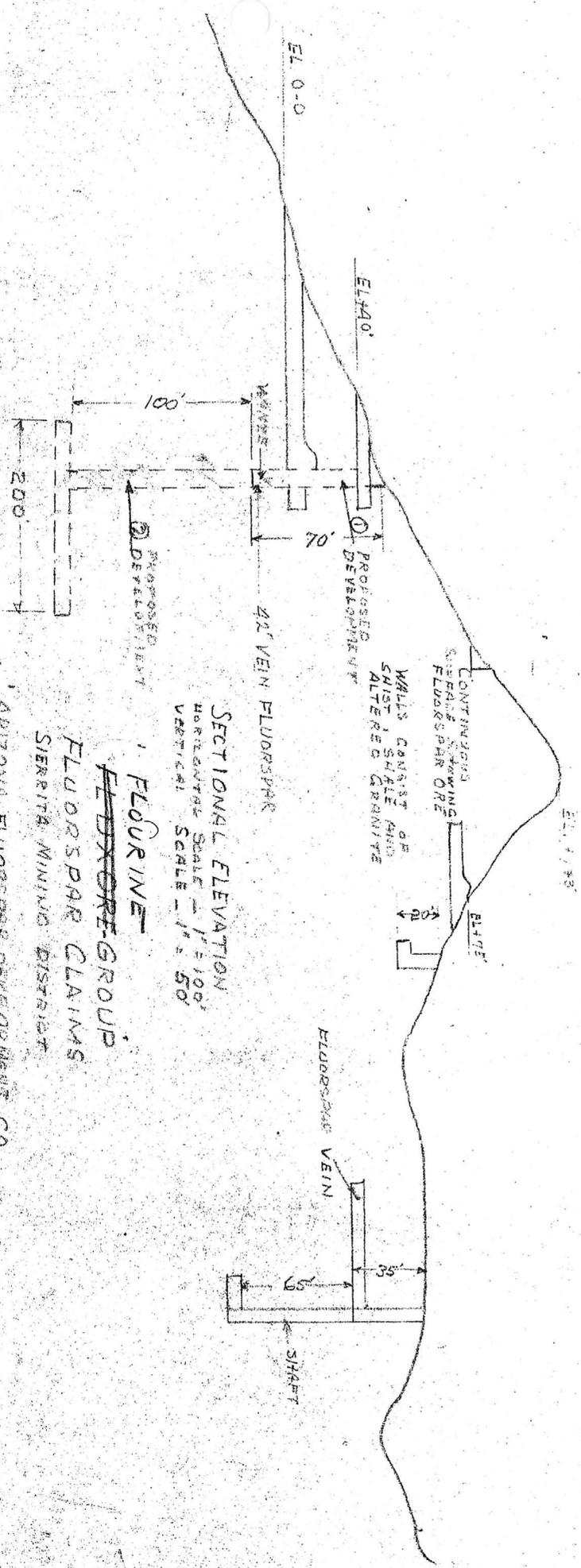
FLUORSPAR

William C. Yell
Box 1946
Tucson, Arizona

Report by G.A. Ballam
\$5,000 RFC loan

FLUORINE
Pima County

8-26-42

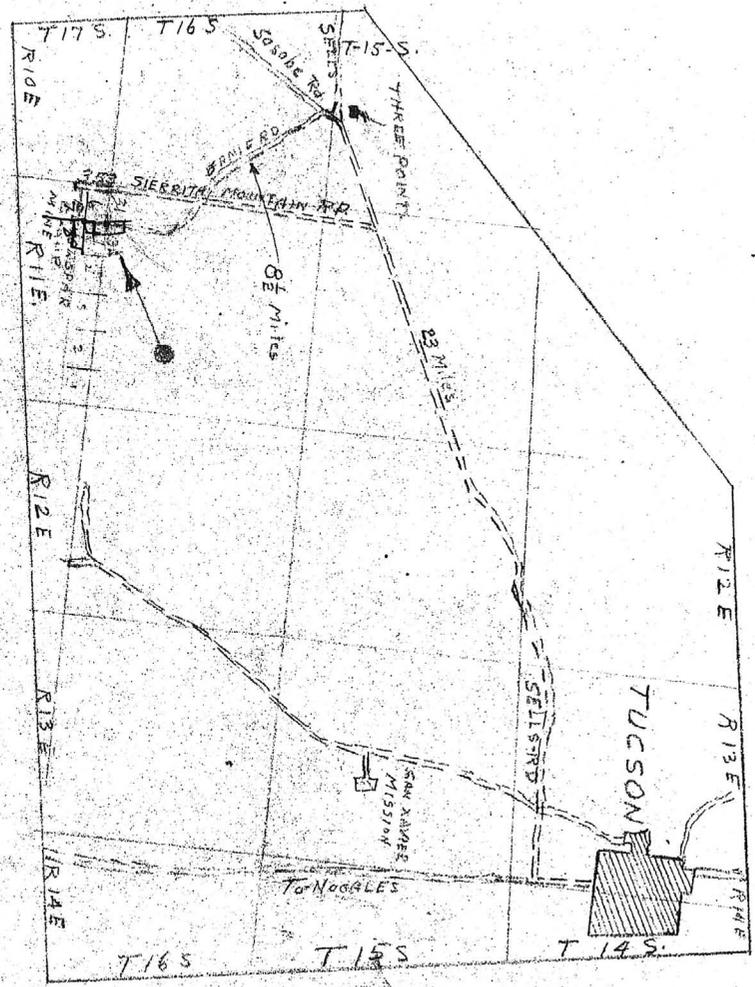


SECTIONAL ELEVATION
 HORIZONTAL SCALE - 1" = 100'
 VERTICAL SCALE - 1" = 50'

FLUORINE
~~FLUORINE~~ GROUP
 FLUORSPAR CLAIMS
 SIERRITA MINING DISTRICT
 ARIZONA FLUORSPAR DEVELOPMENT CO.

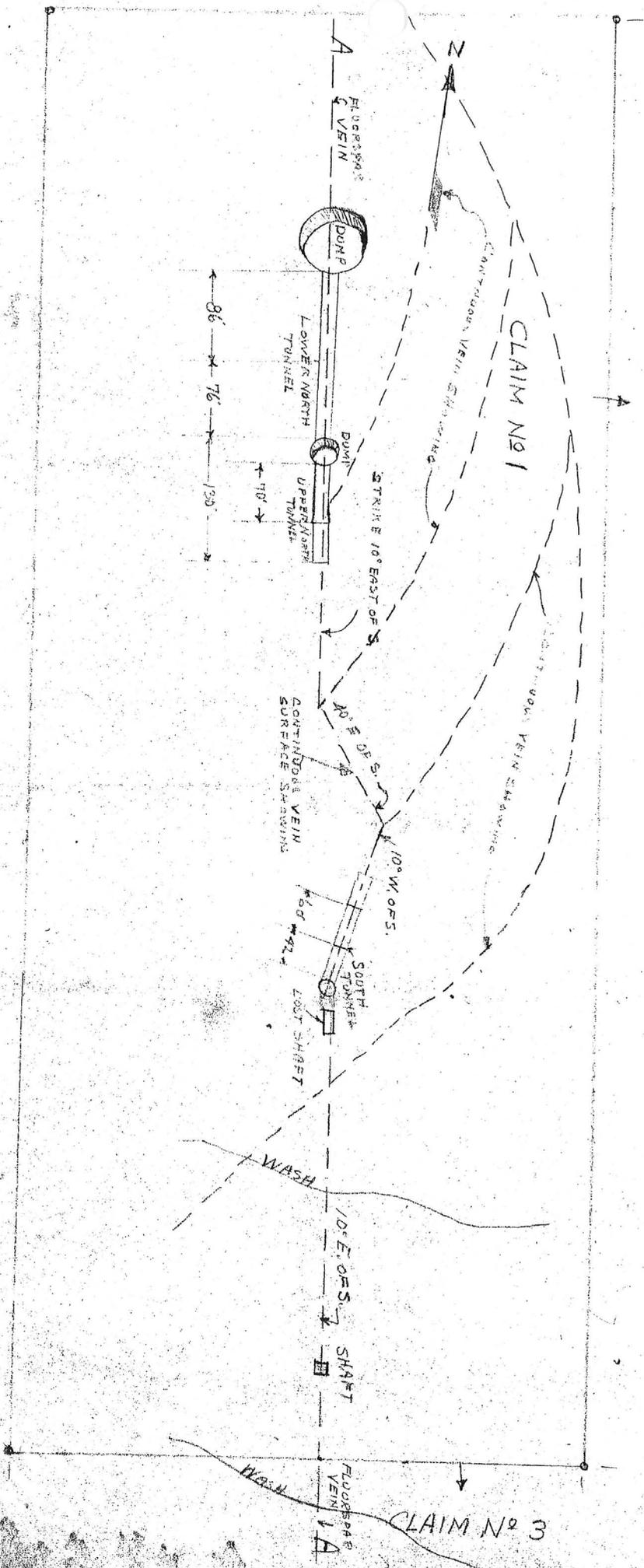
117 E 24th Street
 Tucson, Arizona
 SKETCHED BY
 F. PERRYON

ARIZONA FLUORSPAR DEVELOPMENT CO.



Plan 5-6-7-8
R11E T17S
Plan 317-32 T16S R11E

CLAIM No 2



CLAIM No 1

MIDDLE VEIN SHOWING

CLAIM No 3

UPPER PAR
FLUORSPAR
VEIN

DUMP

LOWER NORTH
TUNNEL

DUMP

UPPER NORTH
TUNNEL

STRIKE 10° EAST OF S

10° E OF S

10° W OF S

SOUTH
TUNNEL

LOST SHAF

WASH

10° E OF S

SHAF

FLUORSPAR
VEIN
1A

WASH

86

76

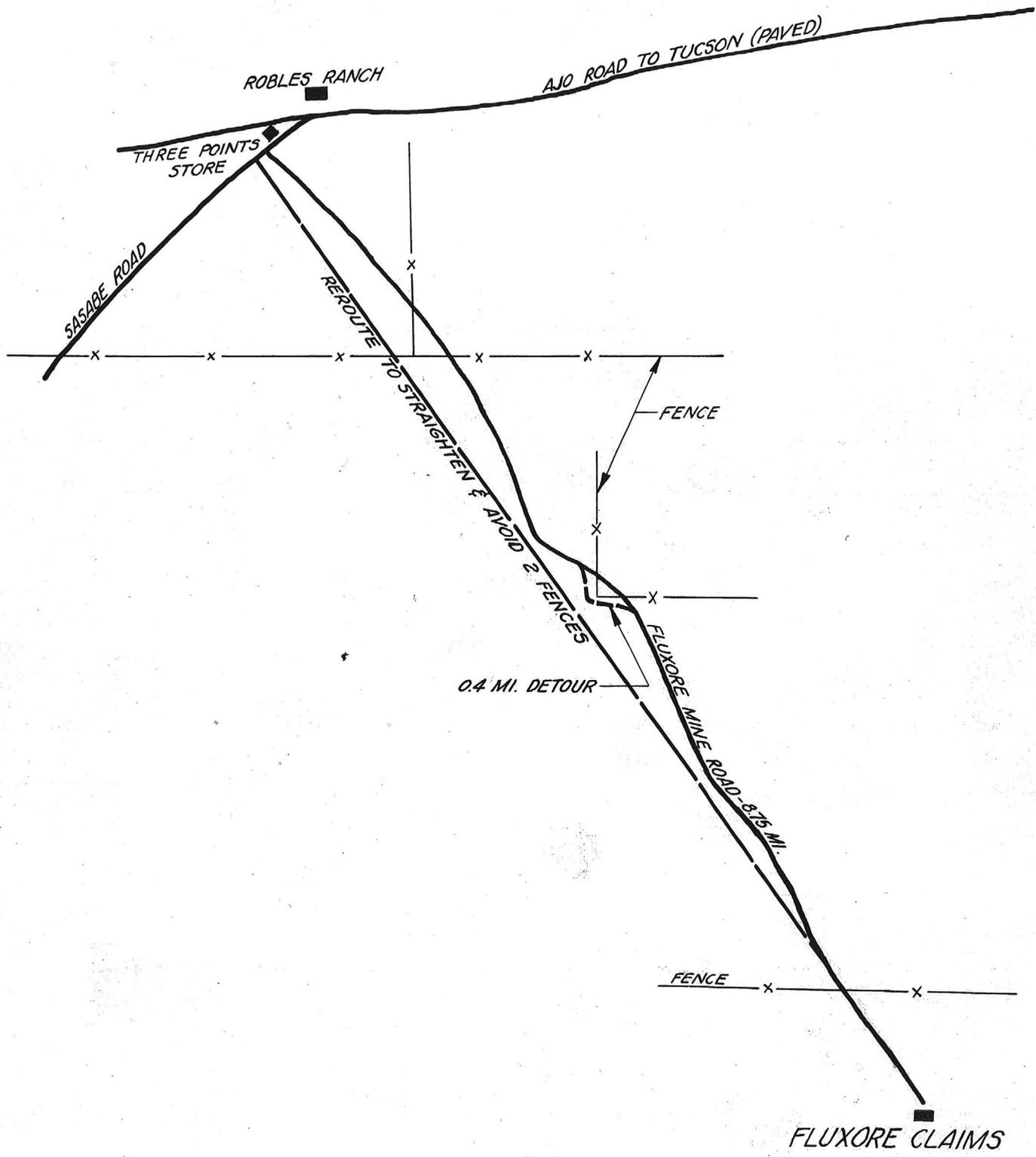
130

70'

N

N

N



Fluorine
 SKETCH OF ROAD TO FLUXORE MINE
 AR # 129

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Fluorine Group of Mines

Date May 26, 1952.

District Papago (Sierrita) Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Report on Mine Property.

Location 30 miles south-west of Tucson. Go out Tucson-Aho Road for 22 miles to Robles Ranch (also called 3 points). Turn south-east on dirt road and go 8 1/2 miles on dirt road to the mine.

Number of Claims 6 unpatented claims.

Owners Arizona Fluorspar Development Co., 1119 E. 29th St., Tucson, Ariz.
(company formed in Oct. 1950)

Operators Not in operation.

Officers President-- Frank M. Eames, 2542 E. Blanton Dr., Tucson, Ariz.
Vice President--- Ernest Harms, Tucson, Ariz.
Secretary --- Frank A. Payton, 1119 E. 29th St., Tucson, Ariz.

Metals Present Fluorspar. Also a small amount of low grade beryllium ore.

Men Employed None. Mine is idle.

Milling Facilities None. A mill is needed at this property because the fluorspar is too low grade and contains too much silica for direct shipping.

Geology--Veins of fluorspar and quartz in country rock of shale, schist, and altered granite. One vein is 2 to 2 1/2 ft. wide. Another vein is 4 ft. wide.

Ore Values Ore averages about 60 % CaF_2 , and about 30 % SiO_2 .

One Sample ---- 56 % CaF_2 and 33 % SiO_2 .

One Sample ---- 64 % CaF_2 and 24 % SiO_2 .

A mill test was made on this ore. The reports on this mill test shows a concentrate running 97.83 % CaF_2 and 0.62 % SiO_2 .

Besides the ore found in the vein, which assays as shown above, the property also contains ~~xxxx~~ a considerable amount of low grade milling ore from the hanging and footwalls of the veins.

Old Workings Considerable old workings---shafts, drifts, and tunnels. (See a accompanying print)

Past Production Owners shipped 10 tons of fluorspar ore in 1951, which had been mined and stockpiled previously by the former owner, E. J. Freilinger. This ore averaged 70 % CaF_2 . Owners received \$33 per ton f.o.b. Tucson for this ore.

Proposed Plans Owners wish to lease this property to someone who has the money to build a mill for treating the ore. They will give a lease for 10% royalty with option to buy.

Remarks Property also has some showings of low grade beryllium ore. One sample showed 4.11 % BeO .

Property needs a mill as the ore is too low grade and contains too much SiO_2 for direct shipping.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Filing Information

Date..... 4-11-45
 Name of Mine..... Fluorite
 Owner or Operator..... E. J. Sheelings
 Address..... 37 W 25th St, Tucson
 Mine Location..... Coyote Flats 35 mi west Tucson

File System.....

File No.....

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

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

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

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>700 mi mo</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Fluorite

REMARKS:

.....

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By.....

[Signature]

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 11/29/44
 Name of Mine..... Lucerne
 Owner or Operator..... E. J. Trillings
 Address..... 414 4th Ave Tucson
 Mine Location..... Lucerne

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing.....; Sale of mine.....;
 Experimental (sampling).....; Owner's occasional trip.....;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

7 1/2 hp 3m hand *100 gal @tr*

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper + Fluorspar

REMARKS:

.....

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By..... *George Bellan*

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 11-29-24
Name of Mine Fluorene ✓
Owner or Operator W. J. Trudinger
Address 414 S 4th Ave Tucson
Mine Location Sierrita Mts, Pima Co

Filing Information

File System.....
File No.....
This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development.....; Financing.....; Sale of mine.....;
Experimental (sampling).....; Owner's occasional trip.....;
Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
Approx. present rate per 3 months
Anticipated rate next 3 months
If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks	<u>1931 1/2 ton Chev</u>		<u>50 gal for 4th Qtr</u> <u>150 gal for new Qtr</u>
Ore Hauling Trucks			
Compressors			
Other Mine or Mill Eqpt.	<u>✓</u>		

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper + fluor spar

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By George W. Ballen

~~FILE~~

Mr. Wm C. Yell
P.O. Box 1946
Tucson, Arizona.

For
Ballam to
check.

has made application on the
Flourish Group, Sierrita
Mining District, Pima County.

- 1- Applicant shows 2 assays:
 - #1 - cut by him (selected?) assaying 87.00% CaF₂ ^{#1 Above tunnel 30" wide.}
 - #2 - Sample submitted to H. J. Kaiser & 75.60% CaF₂. ^{#2 From face of vein in tunnel about 14" wide}

Claims former as average but does not describe sample as to width, location etc.

No section map of tunnels so cannot judge if any are blocked (applicant claiming can ship a car immediately to 10-ton dump, and 2-3 cars in slope in tunnel. Estimated 1000 tons of ore available in present workings. Condition of workings not described. Tunnel is open cut with small underhand slope known tunnels. Not much timbering needed. I expect fenge in tunnel last summer & it was in good shape.

Earl submitted this for information he needs to carry loan application by Wm C. Yell.

Please look this in at your earliest. As eleven veins all bigger than those worked on Stampal have been opened up during the past week by Finkelinger, owner of property. These are on south end of Ballam & that mentioned application. Well received (over)

a letter from Johnny last night asking that a minimum payment clause of \$100 per mo. be removed from lease. This is being done.

There should be some information on the files on this. It may have been reported as leagate mine, or Freilinger Fluorspar. I looked at it the day the Ryan plane strafed us, sometime last summer or fall. At one time there was considerable ore on dump, but much of this has been high graded, apparently.

Yell's statement that the assays represented the average type of ore may well be true. From what I saw of it these narrow veins were of quite good grade but of necessity when the ore was broken considerable sorting & screening had been done to bring it back to commercial grade. Some 10 cars had been shipped to L.A. under a previous ownership.

Fluorspar

August 31, 1943

✓
Mr. William C. Yell
Box 1946
Tucson, Arizona

Dear Mr. Yell:

I took up the matter of your road into the fluorspar mine and suggest that you set up an application for access road with the U. S. Grazing Service, Heard Building, Phoenix.

Such applications are being accepted even though the road does not traverse any part of the public domain. I am enclosing blanks to be used in initiating this application.

It is possible that there may be some difficulty in obtaining a right of way, but if your relations with the rancher are cordial, things may work out O. K.

With kindest regards, I am

Yours very truly,

George A. Ballam
Assistant to the Director

GAB:JE

ENC

May 29, 1943

Chamberlain Company
4700 District Boulevard,
Los Angeles, California

Attention: Gordon F. Sondraker, Vice President and General Manager

Gentlemen:

Subject: Flourine Group of claims, Sierrita Mining District,
Pima County, Arizona.

Reference: Your letter of May 25, 1943 to
E. J. Freilinger, Tucson, Arizona.

Mr. William C. Yell has made application for an R.F.C. loan on the above claims which he has leased from E. J. Freilinger. The R.F.C. has referred this application to us for review and our recommendation.

In order that we may better evaluate the property we would very much appreciate the following information:

1. A tabulation of the individual shipments purchased by you.
2. Prospective price of the product under current market conditions (less freight etc.).
3. Any details or further conclusions pertaining to the property which you might have as a result of your visit to the property.

Thanking you in advance for your courtesy and assuring you of our appreciation, we are

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:kk

mp

August 26, 1942

2 copies

DEPT. MINERAL RESOURCES
RECEIVED
SEP 7 1942
ARIZONA

MEMORANDUM

FLUORINE MINE

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

This is a fluorspar property, about 30 miles SW Tucson on the west slope of the Sierrita Mts. Accessible by road, Robles Ranch to King Ranch.

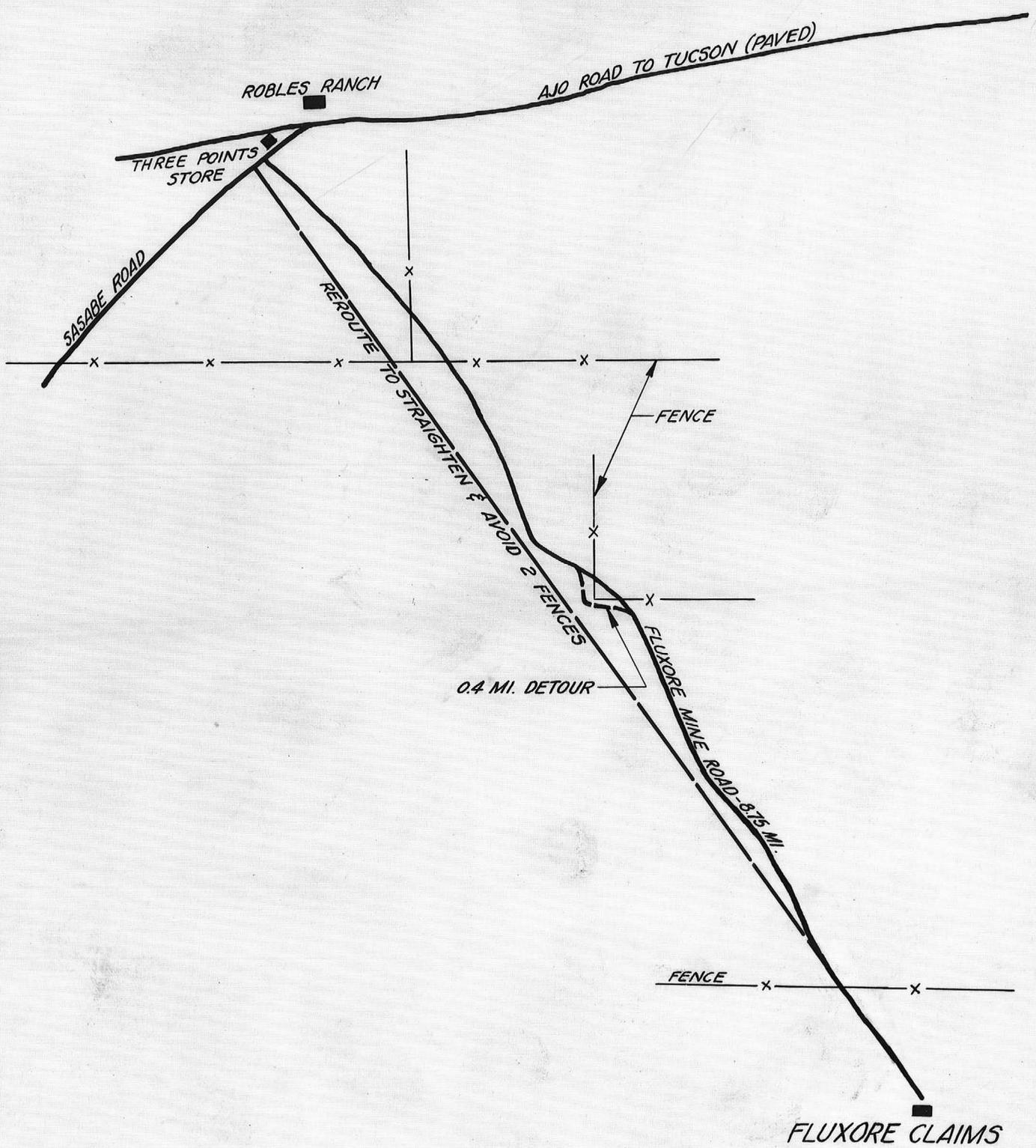
Fluorspar occurs in parallel veins, nearly vertical, in lime and pegmatite and other granitic mass. Two of these have been opened up by cut and tunnel for several hundred feet. Ore is from 18" to three feet or more in width, and one test hole shows eight feet. Considerable stoping has been done. 32 cars of spar have been shipped during the last World War and 11 cars during the past two years by one Herreras, former owner. Although it is difficult to get the record of shipments, I have asked the present owner, E. J. Freilinger, to search for them. He recalls that a product running about 70% CaF_2 was shipped to Russell of Los Angeles.

There is a 40 ton crusher, gas engine, and screening equipment on the property, together with mine track, ore car and miscellaneous equipment. Two men have been working preparing several tons of ore for shipment.

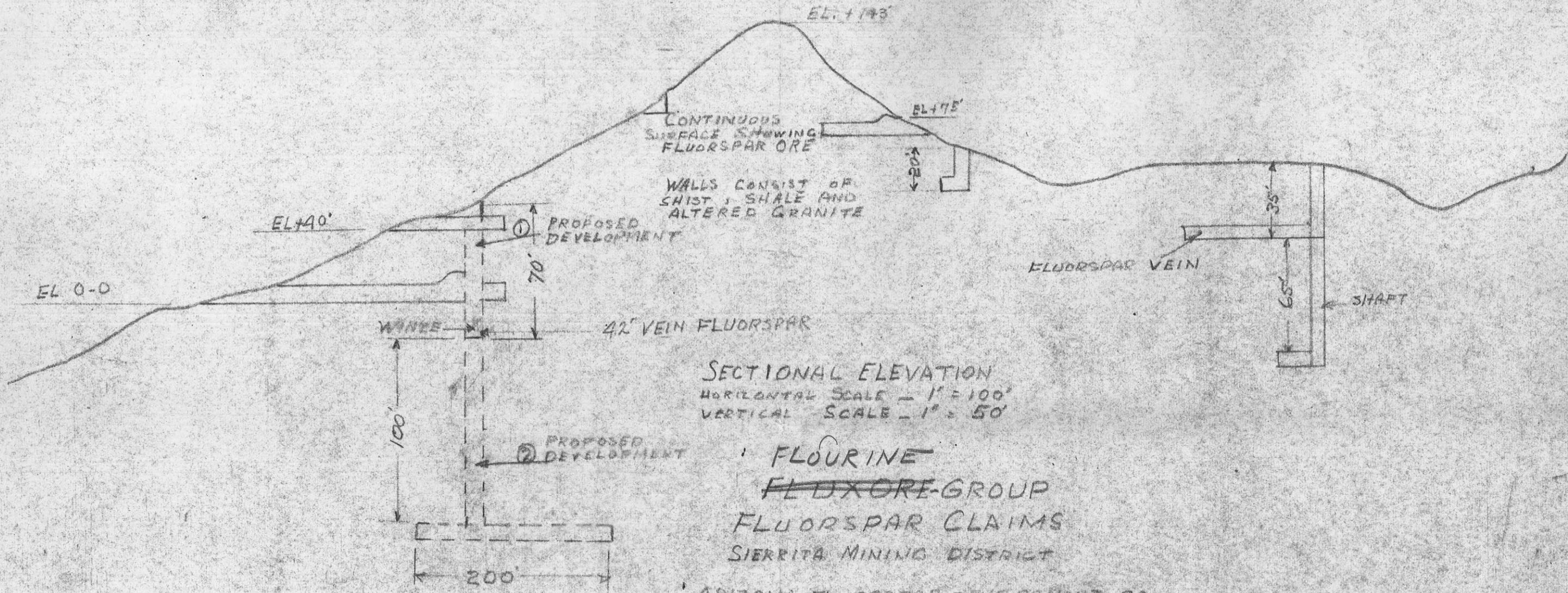
Colter and Johnson of Peoria, Ill. and E. J. Freilinger of 441 S. 4th Ave, Tucson, have a lease on the claims, and are preparing to operate. They have negotiated with the Elizalde Co. (Mr. Stevenson) also the Kaiser Co. in Calif. to purchase the product. Nothing definite yet.

There is considerable gangue in the ore and I do not think the grade can be raised much above 70% without milling.

George A. Ballam



Fluorine
 SKETCH OF ROAD TO FLUXORE MINE
 AR # 129

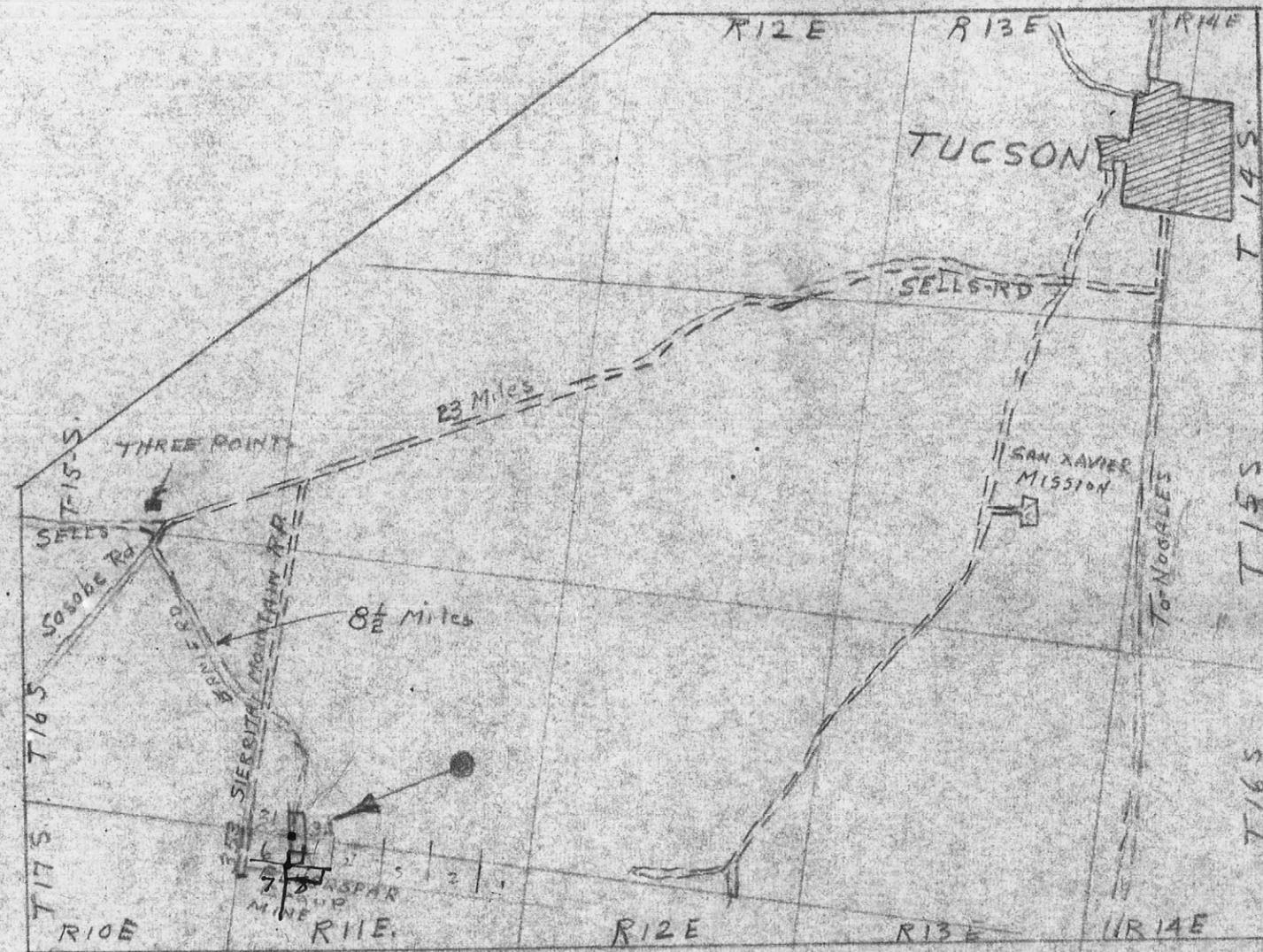


SECTIONAL ELEVATION
 HORIZONTAL SCALE - 1" = 100'
 VERTICAL SCALE - 1" = 50'

FLOURINE
~~FLEXORE~~-GROUP
 FLUORSPAR CLAIMS
 SIERRITA MINING DISTRICT

ARIZONA FLUORSPAR DEVELOPMENT CO.
 1119 E 29th Street
 TUCSON, ARIZ.

SKETCHED BY
 F. PETTON



Recd 5-2-7-8
 R11E T17S.
 Recd 317 32 T16S, R11E

ARIZONA FLUORSPAR DEVELOPMENT CO.

CLAIM No 2

CLAIM No 1

CLAIM No 3

