

Book "A"

3964

ORIGINAL

Recd. Aug. 11 - 1932

4-879

BOOK 3964

(1)

3964

FIELD NOTES

OF THE SURVEY OF THE

CACTUS,

LA FE,

AVELINA,

DEVIDE

and

CORONA

lode mining claims

for SEGREGATION from

Section 22

Township 3 North - Range 3 East

of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

Charles E. Hunter - U.S. Transitman

3964

In the capacity of U. S. Surveyor..., under Special Instructions dated April 5, 1932., issued by the District Cadastral Engineer to govern surveys included in Group No. 176 Arizona., which were approved by the Commissioner of the General Land Office, April 20., 1932., and Assignment Instructions dated June 7., 1932.

Survey commenced June 15, 1932.

Survey completed June 27, 1932.

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

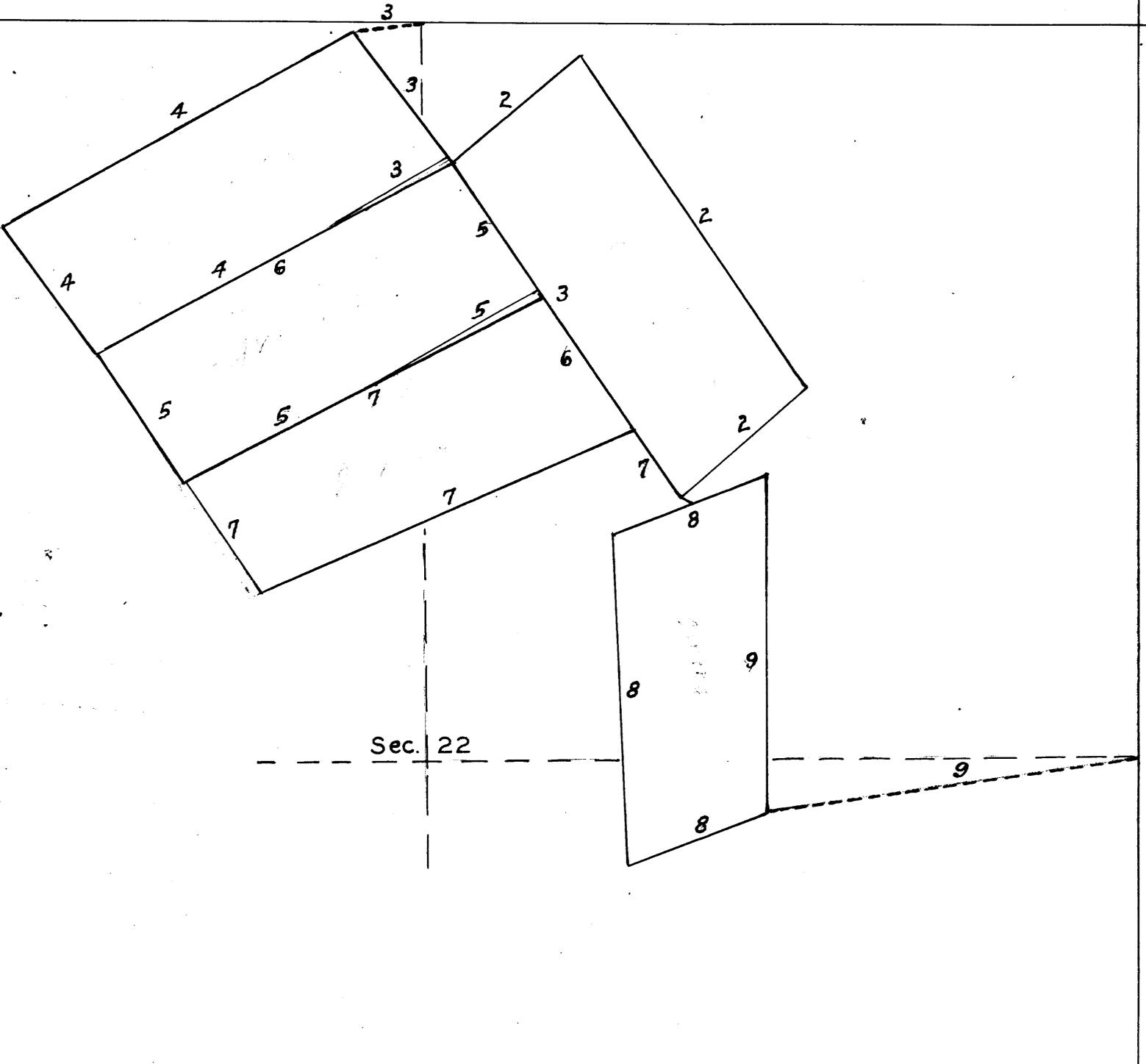
GOVERNMENT PRINTING OFFICE

Book "A"

Group 176 Arizona

INDEX-DIAGRAM

BOOK 3964



The surveys herein described were executed with a Young and Sons transit, No. 8584. The instrument is equipped with an improved Smith solar attachment. The horizontal limb is provided with two double verniers, placed opposite each other, reading to single minutes of arc, which is the least count of the verniers of the vertical circle, latitude and declination arcs.

The instrument was approved, subject to the usual field test, by the District Cadastral Engineer, for Arizona.

Unless otherwise specified, all azimuths are determined with the solar attachment, and all measurements are made with a Lallie steel tape, five chains in length, compared with the Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined with clinometer or transit, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Preliminary Field Test

June 13, 1932. At station near the $\frac{1}{4}$ sec. cor. of secs. 15 and 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona, at approximate latitude $33^{\circ}36'N.$, and longitude $120^{\circ}03'W.$, examine the adjustments of the instrument and correct all errors.

June 14, 1932. At $2^{h}10^{m}$ a.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in the direct and the reverse positions, and mark the line thus determined with a tack, in a stake driven firmly in the ground, five chains north.

Azimuth of Polaris at eastern elongation is $1^{\circ}16'32''$.

Lay off the azimuth of Polaris $1^{\circ}16\frac{1}{2}'$ to the west and mark the meridian thus determined with a tack, in a stake driven firmly in the ground, five chains north.

At $8^{h}00^{m}$ a.m., app.t., with the latitude arc set at $33^{\circ}36'N.$, and the declination arc set at $23^{\circ}17\frac{1}{2}'N.$, determine a meridian with the solar which agrees within 1' of the true meridian.

At apparent noon, with the latitude arc unchanged, observe the sun on the meridian, the resultant reading of the declination arc is $23^{\circ}17\frac{1}{2}'N.$, which agrees with the computed declination of the sun.

At $4^{h}00^{m}$ p.m., app.t., with the latitude arc unchanged and the declination arc set at $23^{\circ}18\frac{1}{2}'N.$, determine a meridian with the solar which agrees within 1' of the true meridian.

As all of the solar observations taken during the usual hours of solar work, agree within 1' of the true meridian, it is concluded that the instrument is in satisfactory adjustment.

2.

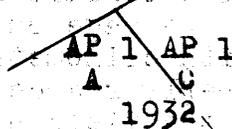
Segregation Survey of the "Cactus" lode.

Chains

Mates and bounds survey of a tract of land known as the "Cactus" lode, classified as mineral bearing but not covered by a mineral patent survey, situated in sec. 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona.

Commencing at cor. No. 1, identical with NW. location monument, a point situated between three mounds of stone, each 2 ft. base, 4 ft. high, witnesses to the point for the common location monument of the "Cactus", "La Fe" and "Avelina" claims. At point for location monument,

set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 1 of the "Cactus" lode and cor. No. 1 of the "Avelina" lode, with brass cap marked



thence, N. 58° 22' E., along line 1-2 of "Cactus" lode.

4.55 End center location monument, a mound of stone, 2 ft. base, 4 ft. high, from which the discovery monument a mound of stone, 2 ft. base, 4 ft. high, along side of shaft 5 x 4 x 6 ft. deep, brs. S. 36° 01' E., 7.45 chs. dist.

9.11 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 2 of the "Cactus" lode, with brass cap marked



No trace of location monument. 4-5 of "Cactus" lode.

Thence, S. 36° 01' E., along line 2-3 of "Cactus" lode.

22.70 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound to top, for cor. No. 3 of the "Cactus" lode, with brass cap marked

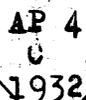


No trace of location monument.

Thence, S. 58° 22' W., along line 3-4 of "Cactus" lode.

4.56 No trace of end center location. From this point the discovery monument, brs. N. 36° 01' W., 15.27 chs. dist.

9.11 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 4 of the "Cactus" lode, with brass cap marked



The location monument, a point situated bet. two mounds of stone, 2 ft. base, 4 ft. high, witnesses to point for common location monument of the "Cactus" and end center of the "Corona" claims, brs. S. 36° 01' E., 41 lks. dist.

Segregation Survey of the "Cactus" lode.

BOOK 3004

Chains

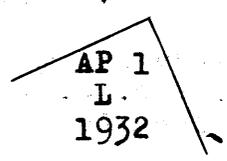
- Thence, N. 36° 01' W., along line 4-1 of the "Cactus" lode.
- 4.57 Intersect cor. No. 2 of the "Devide" lode, hereinafter described.
- 13.76 Intersect cor. No. 1 of the "Devide" lode, hereinafter described.
- 13.99 Intersect cor. No. 2 of the "Avelina" lode, hereinafter described.
- 22.73 Cor. No. 1 of the "Cactus" lode, the place of beginning.

June 24, 1932.

Segregation Survey of the "La Fe" lode.

Metes and bounds survey of a tract of land known as the "La Fe" lode, classified as mineral bearing but not covered by a mineral patent survey, situated in sec. 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona.

Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 1, of the "La Fe" lode, with brass cap marked

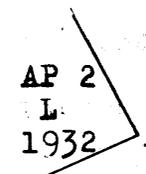


From this cor. the location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. N. 24° 00' E., 4 lks. dist., and the 1/4 sec. cor. bet. secs. 15 and 22, a malpais stone, 10 x 10 x 4 ins. above ground, marked and witnessed as described in the official record; brs. N. 83° 42' E., 4.03 chs. dist.

Thence, S. 38° 44' E., along line 1-2 of the "La Fe" lode.

- 4.61 End center location monument, a mound of stone, 2 ft. base, 4 ft. high.

- 9.22 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 2 of the "La Fe" lode, with brass cap marked



From this cor., cor. No. 1 of the "Cactus" lode, and Cor. No. 1 of the "Avelina" lode, identical in position with the "La Fe" claim location monument, hereinbefore described, brs. S. 38° 44' E., 5 lks. dist.

Thence, S. 61° 33' W., parallel with the center line and along line 2-3 of the "La Fe" lode.

4.

Segregation Survey of the "La Fe" lode.

Chains

5.71 Intersect line 5-1 of the "Avelina" lode, 5.72 chs. dist., S. 62°02'W., from cor. No. 1 of the same claim, and at point of intersection,

set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 3 of the "La Fe" lode, with brass cap marked

AP 3

L
1932

thence, S.62°02'W., along line 3-4 of the "La Fe" lode.

17.01 Intersect cor. No. 5 of the "Avelina" lode, hereinafter described.

17.04 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 4 of the "La Fe" lode, with brass cap marked

AP 4

L
1932

From this cor., the location monument, a point situated bet. two mounds of stone, each 2 ft. base, 4 ft. high, witnesses to the common point for location monument of the "La Fe" and the "Avelina" claims, brs. S.62°02'W., 3.75 chs. dist.

thence, N.38°44'W., along line 4-5 of the "La Fe" lode.

4.47 and center location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. S.61°33'W., 4.61 chs. dist., and the NE. end center location monument, brs. N.61°33'E., 22.73 chs. dist.

9.08 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 5 of the "La Fe" lode, with brass cap marked

AP 5

L
1932

From this cor., the location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. S.68°06'W., 1.44 chs. dist.

thence, N.61°31'E., along line 5-1 of the "La Fe" lode.

22.70 Cor. No. 1 of the "La Fe" lode, the place of beginning.

no trace of discovery monument or shaft could be found on this claim.

June 24, 1932

Segregation Survey of the "Avelina" lode

Segregation Survey of the "Avelina" lode

BOOK 8964

Chains

Metes and bounds survey of a tract of land known as the "Avelina" lode, classified as mineral bearing but not covered by a mineral patent survey, situated in sec. 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona.

Commencing at cor. No. 1, identical with the location monument, both hereinbefore described.

Thence, S. 36° 01' E., along line 1-2 of "Avelina" lode.

4.16 The end center location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. S. 69° 00' E., 38 lks. dist., and the discovery monument, a mound of stone, 2 ft. base, 3 ft. high, along side of shaft, 5 x 6 x 100 ft. deep, brs. S. 61° 36' W., 6.33 chs. dist.

8.74 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 2 of the "Avelina" lode, with brass cap marked

AP 2
A
1932

From this cor., the location monument, a point situated between two mounds of stone, each 2 ft. base, 4 ft. high, witnesses to point for common location monument of the "Avelina" and "Devide" claims, brs. S. 81° 30' E., 39 lks. dist., and cor. No. 1, of the "Devide" lode, brs. S. 36° 01' E., 23 lks. dist.

Thence, S. 61° 36' W., along line 2-3 of "Avelina" lode.

9.52 Intersect line 4-1 of the "Devide" lode, 9.55 chs. dist., S. 62° 57' W., from cor. No. 1, of same claim, this point, which is true point for cor. No. 3 of the "Avelina" lode, falls in ravine where cor. would be insecure, therefore, at a point N 61° 36' E., 50 lks. dist.,

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for witness cor. no. 3 of the "Avelina" lode, with brass cap marked

WC
AP 3
A
1932

Thence, from true point for cor. No. 3, of the "Avelina" lode, S. 62° 57' W., along line 3-4 of the "Avelina" lode.

12.96 Intersect cor. No. 4 of the "Devide" lode, hereinafter described.

13.19 True point for cor. no. 4 of the "Avelina" lode falls in ravine.

From true point for cor. No. 4 of the "Avelina" lode, the location monument, a point situated between two mounds of stone, each 2 ft. base, 3 ft. high, witnesses to the point for the common location monument of the "Avelina" and the "Devide" claims, brs. S. 62° 57' W., 1.26 chs. dist.

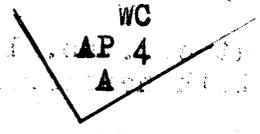
Thence, from true point for cor. No. 4 of the "Avelina" lode, N. 36° 01' W., along line 4-5 of the "Avelina" lode.

6.

Segregation survey of the "Avelina" lode.

Chains

.30 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for witness cor. No. 4 of the "Avelina" lode, with brass cap marked



1932

Continue line and measurement.

4.28 The end center location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. S.61°36'W., 2.38 chs. dist., and The discovery monument, brs. N.61°36'E., 16.40 chs. dist.

8.60 Intersect line 3-4 of the "La re" lode, 3 lks. dist., N. 62°02'E., of cor. No. 4 of the "La re" lode. At point of intersection,

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 5 of the "Avelina" lode, with brass cap marked



1932

The location monument, hereinbefore described, brs. S.62°02'W., 3.78 chs. dist.

Thence, N. 62°02'E., along line 5-1 of the "Avelina" lode.

17.01 Intersect cor. No. 3 of the "La re" lode, hereinbefore described.

22. 73 Cor. No. 1, of the "Avelina" lode, the place of beginning.

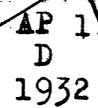
June 25, 1932.

Segregation Survey of the "Devide" lode.

Motes and bounds-survey of a tract of land known as the "Devide" lode, classified as mineral bearing but not covered by a mineral patent survey, situated in sec. 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona.

At a point on line 4-1 of "Cactus" lode, S.36°01'E., 23 lks. dist. from cor. no. 2 of the "Avelina" lode, and S. 62°57'W., 28 lks. dist. from the location cor., both previously described.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 1, of the "Devide" lode, with brass cap marked



1932

Segregation Survey of the "Davide" lode.

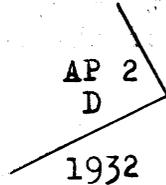
BOOK 3964

Chains

Thence, S.36°01'E., along line 1-2 of the "Davide" lode.

4.61 End center location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. N.65°41'E., 30 lks. dist., and the discovery monument, a pine post, 4 x 4 x 60 ins. above ground, brs. S.65°41'W., 21.23 chs. dist.

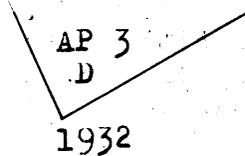
9.19 Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 2 of the "Davide" lode, with brass cap marked



The location monument, a mound of stone, 2 ft. base, 4 ft. high, brs. N. 65°32'E., 28 lks. dist., and cor. No. 4 of the "cactus" lode, brs. S.36°01'E., 4.57 chs. dist.

Thence, S.65°32'W., along line 2-3 of the "Davide" lode.

22.70 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 3 of the "Davide" lode, with brass cap marked



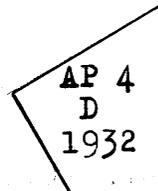
No trace of location monument.

Thence, N.36°01'W., along line 3-4 of the "Davide" lode.

4.64 The discovery monument, hereinbefore described, brs. N. 65°41'E., 1.50 chs. dist., and the end center location monument, a mound of stone, 3 ft. base, 5 ft. high, brs. S.28°55'E., 76 lks. dist. No discovery shaft could be found near center line.

8.14 Intersect line 3-4 of the "Avelina" lode, 23 lks. dist., N.62°57'E., from true point for cor. No. 4 of the "Avelina" lode. At point of intersection,

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone, marked with a cross (X) deposited at base, for cor. No. 4 of the "Davide" lode, with brass cap marked



The location monument, hereinbefore described brs. S.62°57'W., 1.49 chs. dist.

Thence, N.62°57'E., along line 4-1 of the "Davide" lode.

12.96 Intersect true point for cor. No. 3 of the "Avelina" lode.

22.51 Cor. No. 1 of the "Davide" lode, the place of beginning.

June 25, 1932.

Segregation Survey of the "Corona" lode.

Chains

Metes and bounds survey of a tract of land known as the "Corona" lode, classified as mineral bearing but not covered by a mineral patent survey, situated in sec. 22, T. 3 N., R. 3 E., G. & S.R. base and meridian, Arizona.

Beginning at cor. No. 1, from which the location monument, a mound of stone, 2 ft. base, 3 ft. high, brs. S.0°35'E., 1.83 chs. dist., at point for cor.,

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 1 of the "Corona" lode, with brass cap marked

AP 1
CO

1932

Thence, S.66°42'W., along line 1-2 of the "Corona" lode.

3.54 End center location monument, a mound of stone, 3 ft. base, 3 ft. high, from which the discovery monument, a mound of stone, 2 ft. base, 4 ft. high, along side of shaft, 5 x 6 x 6 ft. deep, brs. N. 3°43'W., 14.81 chs. dist.

8.37 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a stone marked with a cross (X) deposited at base, for cor. No. 2 of the "Corona" lode, with brass cap marked

AP 2
CO

1932

No trace of location monument.

Thence, N.3°00'W., along line 2-3 of the "Corona" lode.

18.68 Cor. No. 3 of the "Corona" lode, identical with the location monument, a mound of stone, 2 ft. base, 4 ft. high, at this point,

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. No. 3 of the "Corona" lode, with brass cap marked

AP 3
CO

1932

Thence, N.66°42'E., along line 3-4 of the "Corona" lode.

4.66 The end center location monument, previously described, brs. N.85°30'W., 29 lks. dist.; the discovery shaft brs. S.3°43'E., 3.80 chs. dist., and cor. No. 4 of the "Cactus" lode, brs. N.56°20'W., 64 lks. dist.

9.30 Cor. No. 4 of the "Corona" lode, identical with the location monument, a mound of stone, 2 ft. base, 4 ft. high, at this point

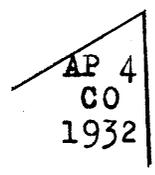
Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top,

Segregation Survey of the "Corona" lode.

BOOK 3964

Chains

for cor. No. 4 of the "Corona" lode, with brass cap marked



Thence, S.0°36'E., along line 4-1 of the "Corona" lode.

19.00 Cor. No. 1; of the "Corona" lode, the place of beginning.

From this cor., the 1/4 sec. cor. of secs. 22 and 23, which is a flint stone, 4 x 4 x 4 ins. above ground, firmly set, marked and witnessed as described in the official records, brs. N.81°06'E., 21.14 chs. dist.

June 27, 1932.

For final test of transit instrument see book "B"

GENERAL DESCRIPTION

The "Cactus," "La FE," "Avelina," "Davide", and "Corona" mining claims are situated about 10 miles in a northeast direction from Phoenix, Arizona, in the edge of the Phoenix Mountains.

The land included within the claims is nearly barren except for a few palo verdes and cactus.

The soil is gravelly and rocky, with the bedrock exposed in many places, 4th rate.

BOOK 3964

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Charles E. Hunter U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Arizona bearing date of the 5th day of April, 1932, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the
CACTUS, LA FE, AVELINA, DEVIDE, and CORONA,
lode mining claims
for segregation from Section 22
of
Township 3 North, Range 3 East of the Gila and Salt
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer, for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona,
 Date: July 15, 1932.

Charles E. Hunter
 U.S. Transitman.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., JAN 27, 1933

The foregoing field notes of the survey of the
CACTUS, LA FE, AVELINA, DEVIDE, and CORONA, lode mining claims
for segregation from
Section 22 of
Township 3 North, Range 3 East
of the Gila and Salt River Base and Meridian, in the State of Arizona
 executed by Charles E. Hunter, U.S. Transitman
 under his special instructions dated April 5, 1932, for Group 176, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. H. Johnson
 U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys.~~