

3764
Book "B"

4-679

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BOOK 3764

FIELD NOTES

~~OF THE SURVEY OF THE~~

~~OF THE SURVEY OF THE~~ OF THE RESURVEY OF.

Part of the subdivision of

Part of the EAST boundary

and

Part of the SUBDIVISION LINES

of

Township 20 South, Range 10 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Roger F. Wilson, U.S. Transitman

In the capacity of U. S. Surveyor, under Special Instructions dated June 19, 1924, issued by the United States Surveyor General to govern surveys included in Group No. 133, Arizona, which were approved by the Commissioner of the General Land Office, July 15, 1924, and Assignment Instructions dated Dec. 4, 1924

Resurvey commenced December 20, 1924.

Resurvey completed December 21, 1924.

3764

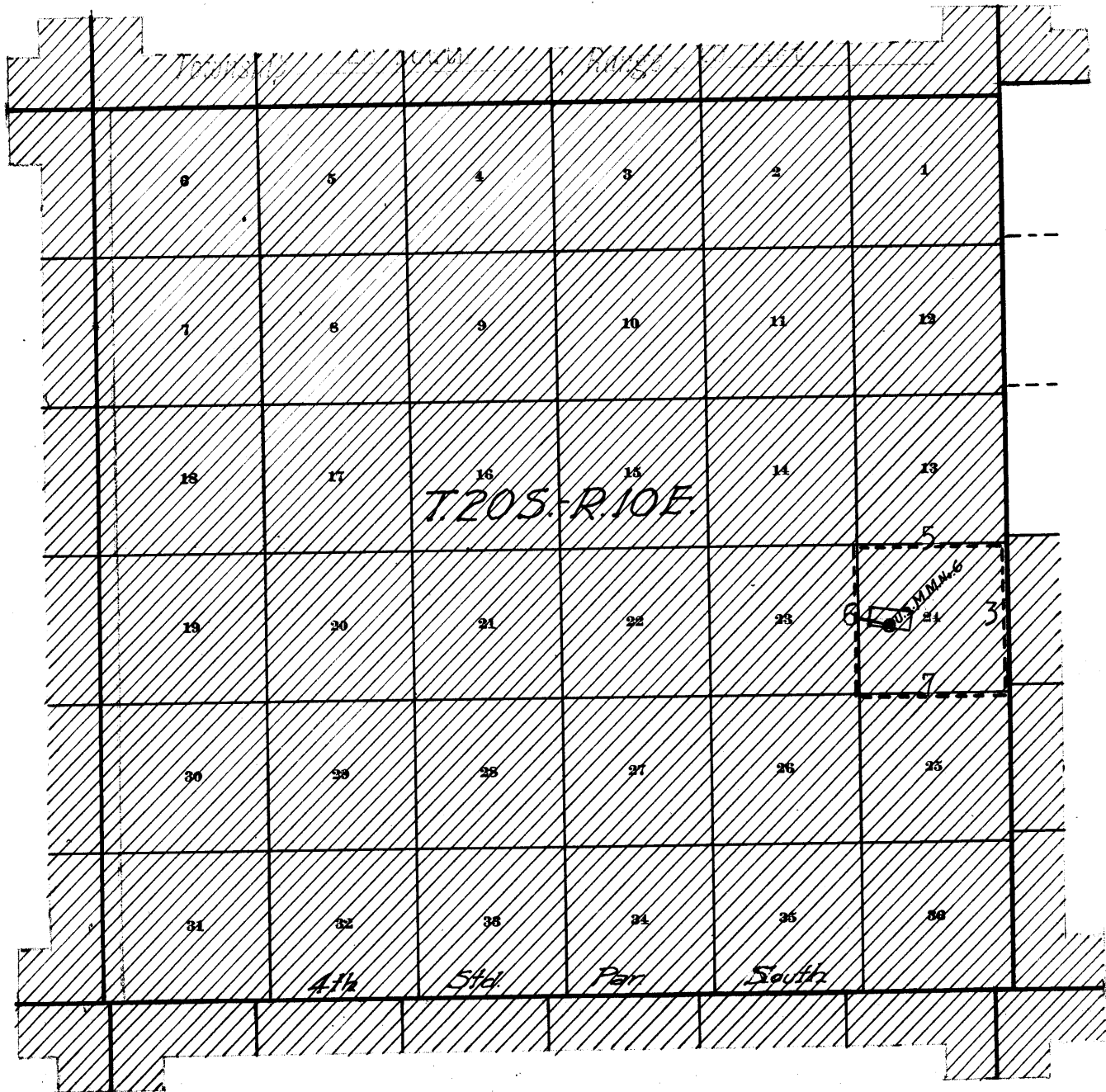
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Book "B"

Group 133 Arizona

BOOK 3764


INDEX DIAGRAM.



----- Resurveyed under this group.

----- Accepted surveys or resurveys.

----- Unsurveyed.

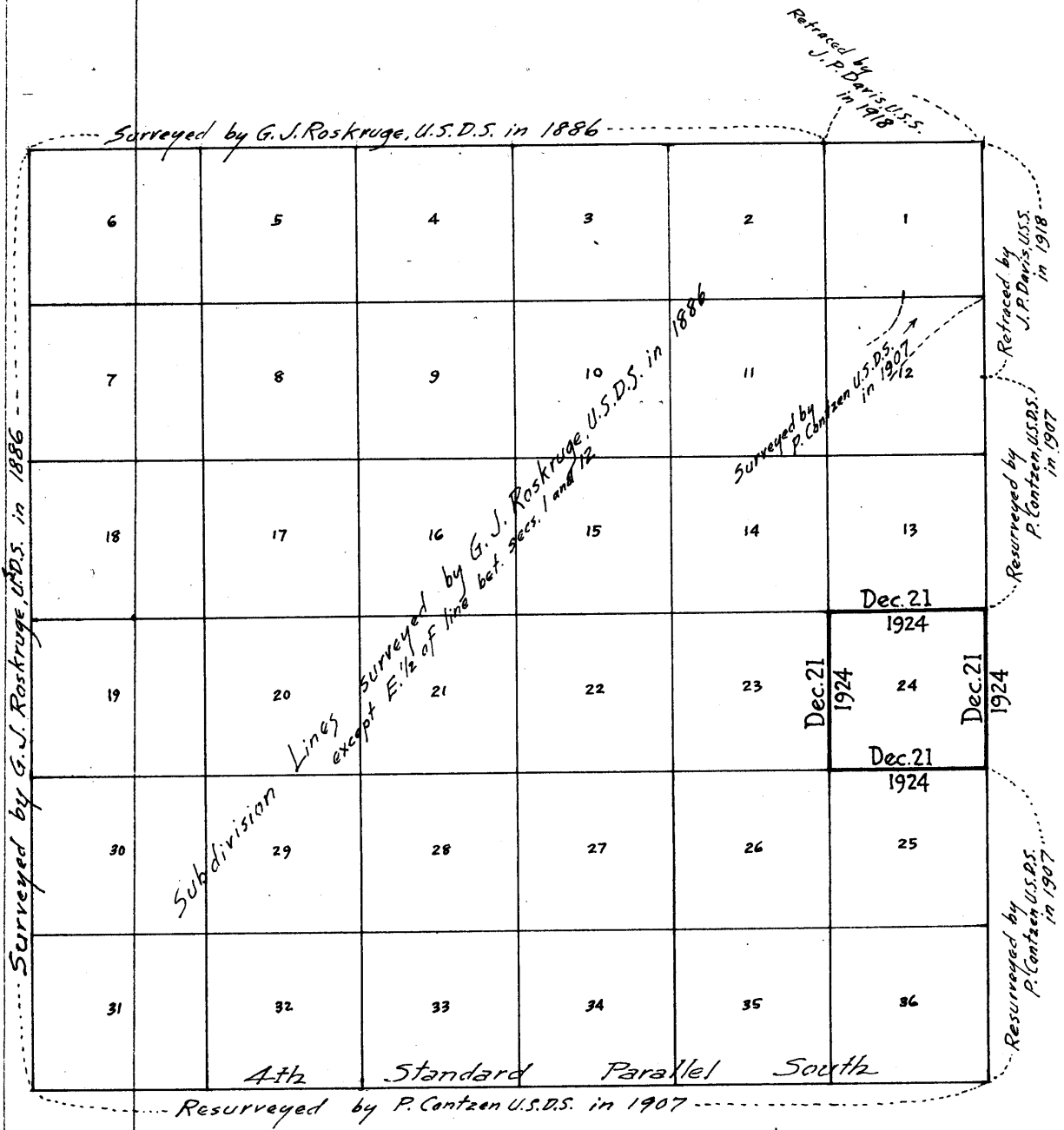
 Areas surveyed as per accepted plats on file.

BOOK 3764

DATE DIAGRAM

TOWNSHIP 20 SOUTH, RANGE 10 EAST.

21 Line Surveyed Dec. 21, 1924.



Resurveyed by Roger F. Wilson, U.S. Transitman, on dates shown thereon.

Accepted surveys, retracements or resurveys.

Resurvey commenced Dec. 20, 1924 and executed by Roger F. Wilson, U.S. Transitman, on date shown on diagram on page 1, hereof, using Buff light mountain transit No. 9223. The instrument is equipped with a full vertical circle and the Smith solar attachment, and was approved by the Assistant Supervisor of Surveys, conditional upon satisfactory field tests.

In the following survey the solar apparatus was not used therefore no test of solar was made. Determine a meridian by hour angle observation on Polaris and execute the survey by deflection angle from the meridian, and transit line.

Polaris Observation

Dec. 20, 1924: At the cor. of secs. 24 and 25, on E. bdy. of T.20 S., R.10 E., Gila and Salt River Base and Meridian, in latitude $31^{\circ}40'N.$, longitude $111^{\circ}15\frac{1}{2}'W.$ of Greenwich, at 5h 33m p.m., l.m.t., make an hour angle observation on Polaris east of the meridian, two observations one each with telescope in direct and reversed positions, and mark a point in the line thus determined on a stake 5 chs. N.

Azimuth of Polaris = $40\frac{1}{2}'E.$

Dec. 21: Deflect $40\frac{1}{2}'$ to the west to true meridian and random line on E. bdy. of sec. 24.

The measurements are made with a Lufkin steel tape 5-chains in length, compared with a standard steel tape and found correct. The measurements are made on the slope and the slope measurements reduced to true horizontal distances for entry in the field notes, the slope angles being determined with a clinometer.

Resurvey of Part of the East Boundary of
T.20 S., R.10 E.

Chains

The old cor. of secs. 24 and 25 on E. bdy. of T.20 S., R.10 E., is a stone 8 x 4 x 4 ins. above ground, firmly set and marked with two notches on S. and 4 notches on N. sides.

Alongside old cor., set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 24 and 25, marked on brass cap

T20S	T20S
S 24	R11E
<u>S 25</u>	S 30
R10E	
1924	

Cor. stands in fence cor. from which fences bear N. and W.

Thence

North, on a random line, on E. bdy. of sec. 24.

4.97 The closing cor. of secs. 19 and 30, T.20 S., R.11 E.

39.91 Fall 3 lks. W. of the old $\frac{1}{4}$ sec. cor. of sec. 24.

Continue on same line.

79.85 Fall 84 lks. E. of the old cor. of secs. 13 and 24, which is a stone 6 x 6 x 4 ins. above ground, firmly set, marked with 3 notches on S. and 3 notches on N. sides and witnessed by a mound of stone W. of cor. Alongside old cor. set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 13 and 24, marked on brass cap

T20S	T20S
S 13	S 19
<u>S 24</u>	R11E
R10E	
1924	

Thence

S.1°15'E., on a true line, on E. bdy. of sec. 24 (N.½)

Over rolling land, through scattering undergrowth.

Asc. NW. slope.

14.35 Spur, slopes NW. 40 ft. above cor.

Desc. 57 ft. over SW. slope.

21.55 Wash, course SE.

34.35 Wash, course SE.

39.95 The $\frac{1}{4}$ sec. cor. of sec. 24, which is a stone 6 x 4 x 4 ins. above ground, firmly set, marked $\frac{1}{4}$ on W. face. Alongside old cor. set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of sec. 24 only, marked on brass cap

$\frac{1}{4}$ S 24	
1924	

Top of Cerro Colorado Hill, bears S.48°W.

Reservoir Dam, bears N.79°E. about 10 chs. dist.

Thence

S.0°3'W., on a true line, on E. bdy. of sec. 24 (S.½)

Asc. 60 ft. over NE. slope.

14.10 Cerro Colorado Hill, bears W.

16.10 Spur, slopes SE.

Desc. 83 ft. over SE. slope.

34.94 The closing cor. of secs. 19 and 30, T.20 S., R.11 E., which is a stone 8 x 8 x 4 ins. above ground, firmly set, properly marked, and witnessed by a mound of stone E. of cor.

Resurvey of Part of the East Boundary of ...
T.20 S., R.10 E.

Chains

Alongside old cor. set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock, supported in a mound of stone for closing cor. of secs. 19 and 30, marked on brass cap

T20S	T20S
R10E	S 19
S 24	S 30 CC
	R11E
	1924

39.91

The cor. of secs. 24 and 25, hereinbefore described.

Land; rolling mountainous.
Soil; sandy to rocky, 2nd. to 3rd. rate.
Timber; none.
Undergrowth; catclaw, ocotillo and cactus.

Resurvey of Part of the Subdivision lines
of T.20 S., R.10 E.

Chains	<p>From the cor. of secs. 13 and 24 on E. bdy. of Tp., here- inbefore described, West, on a random line bet. secs. 13 and 24.</p>
41.23	<p>Fall 31 lks. S. of the $\frac{1}{4}$ sec. cor. of secs. 13 and 24. Continue on same line.</p>
81.18	<p>Fall 12 lks. S. of the cor. of secs. 13, 14, 23 and 24, which is a stone 8 x 8 x 8 ins. above ground, firmly set, marked with 3 notches on S. and 1 notch on E. sides, and witnessed by a bearing tree as follows: A dead mesquite, 18 ins. diam., bears S.41°W., 323 lks. dist., marked T 30 S R 10 E S 23 B T Alongside old cor., set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 13, 14, 23 and 24, marked on brass cap</p> <div style="text-align: center;"> <p>T20S R10E S 14 S 13 S 23 S 24 1924</p> </div> <p>Establish a new bearing tree as follows: A mesquite, 12 ins. diam., bears N.15°E., 352 lks. dist.. marked T. 20 S., R 10 E S 13 B T</p> <p>Thence N.89°44'E., on a true line, bet. secs. 13 and 24 (W.½) Over rolling land, through scattering undergrowth.</p>
15.40	<p>Wash, 10 lks. wide, course SW.</p>
28.20	<p>Wash, 10 lks. wide, course SW.</p>
39.95	<p>The $\frac{1}{4}$ sec. cor. of secs. 13 and 24, which is a stone 14 x 14 x 6 ins. above ground, properly marked, and witnessed by a mound of stone S. of cor. Alongside old cor., set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 13 and 24, marked on brass cap</p> <div style="text-align: center;"> <p>S 13 $\frac{1}{4}$ ---- S 24 1924</p> </div> <p>Rebuild the mound of stone 2 ft. base, 1½ ft. high N. of cor.</p> <p>Thence S.89°34'E., on a true line, bet. secs. 13 and 24 (E.½) Continue over rolling land.</p>
6.20	<p>Asc. 34 ft. Divide, bears SE. and NW.</p>
21.23	<p>Wash, course SE. Asc. 63 ft. over SW. slope.</p>
27.50	<p>Spur, slopes SW. Desc. 84 ft. over NE. slope.</p>
37.23	<p>Wash, 5 lks. wide, course SE.</p>
40.73	<p>Wash, 10 lks. wide, course SW.</p>
41.23	<p>The cor. of secs. 13 and 24 on E. bdy. of Tp., herebefore described.</p> <p>Land; rolling. Soil; sandy loam to rocky, -2nd. and 3rd. rates. Timber; none. Undergrowth; catclaw, mesquite, cactus and ocotillo.</p>

Resurvey of Part of the Subdivision lines
of T.20 S., R.10 E.

Chains From the cor. of secs. 13, 14, 23 and 24,
South, on a random line bet. secs. 23 and 24.
39.98 Fall 49 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 23 and 24.
Continue on same line.
79.96 Fall 84 lks. W. of the cor. of secs. 23, 24, 25 and 26,
which is a stone 6 x 6 x 6 ins. above ground, firmly
set, properly marked.
Alongside old cor. set an iron post, 3 ft. long, 2 ins.
diam., 27 ins. in the ground for cor. of secs. 23, 24,
25 and 26, marked on brass cap.

T20S R10E
S 23 | S 24
S 26 | S 25
1924

Thence
N.0°30'W., on a true line, bet. secs. 23 and 24 (S.½)
Over rolling land, through scattering undergrowth.
13.00 Wash, course W.
39.98 The $\frac{1}{4}$ sec. cor. of secs. 23 and 24 which is a stone 14
x 12 x 12 ins. above ground, firmly set and properly
marked.
Alongside old cor. set an iron post, 3 ft. long, 1 in.
diam., 18 ins. in the ground to bed rock, supported
in a mound of stone for $\frac{1}{4}$ sec. cor. marked on brass
cap

$\frac{1}{4}$
S 23 | S 24
1924

From this $\frac{1}{4}$ sec. cor. U.S.M.M. No. 6, bears S.82°15'E.
16.98 chs. dist.
Said mineral Monument is a post 6 ins. sqr., 8 ft. high
in a mound of stone 6 ft. sqr. at base and 4 ft. high,
from which,
Cerro Colorado Hill, bears S.76½°E.
Thumb Peak bears N.15°10'E.
Baboquivari Peak, bears N.70°12'W.

Thence, $\frac{1}{4}$ sec. cor.
N.0°42'W., on a true line, bet. secs. 23 and 24 (N.½)
Continue over rolling land,
4.00 Wash, 20 lks. wide, course NW.
12.00 Road, bears SE. and NW.
22.00 Wash, course NW.
30.50 Spur, slopes NW.
35.00 Wash, course NW.
38.00 Road, bears SE. and NW.
39.98 The cor. of secs. 13, 14, 23 and 24,

Land; rolling.
Soil; sand and gravel, 2nd. and 3rd. rates.
Timber; none.
Undergrowth; catclaw, paloverde and cactus.

Resurvey of Part of the Subdivision lines
of T.20 S., R.10 E.

Chains From the cor. of secs. 23, 24, 25 and 26,
East, on a random line bet. secs. 24 and 25.
39.97 Fall 53 lks. S. of the $\frac{1}{4}$ sec. cor. of secs. 24 and 25.
Continue on same line.
81.08 Fall 5 lks. S. of the cor. of secs. 24 and 25, on E. bdy.
of Tp., hereinbefore described.

Thence, N.89°20'W., on a true line, bet. secs. 24 and 25 (E.½)
Over rolling land, through scattering undergrowth.

1.00 Wash, course SE.
6.00 Wash, course NE.
13.00 Spur, slopes NE.
28.00 Wash, course NE.
41.11 The $\frac{1}{4}$ sec. cor. of secs. 24 and 25, which is a stone 12
x 8 x 6 ins. above ground, firmly set, properly marked.
Alongside old cor., set an iron post, 3 ft. long, 1 in.
diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on
brass cap

S 24
+ ----
S 25
1924

Raise a mound of stone, 2 ft. base, 1½ ft. high N. of
cor.

Thence
S.89°14'W., on a true line, bet. secs. 24 and 25 (W.½)
Continue over rolling land.
20.00 Road, bears N. and S.
39.97 The cor. of secs. 23, 24, 25 and 26.

Land; rolling.
Soil; gravelly, 3rd. rate.
Timber; none.
Undergrowth; catclaw, mesquite and ocotillo.

Boundaries of sec. 24, T.20 S.,
R.10 E.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist- ance.	Latitudes.		Departures.	
			N.	S.	E.	W.
S. bdy. sec. 24	N.89°20'W.	41.11	.48			41.11
S. " " "	S.89°14'W.	39.97		.53		39.97
W. bdy. of sec.	N.0°30'W.	39.98	39.98			.35
24.	N.0°42'W.	39.98	39.98			.49
N. bdy. sec. 24	N.89°44'E.	39.95	.19		39.95	
" " " "	S.89°34'E.	41.23		.31	41.23	
E. bdy. of Tp.	S.1°15'E.	39.95		39.94	.87	
	S.0°3'W.	39.91		39.91		.03
Convergency ----					.01	
Totals			80.63	80.69	82.06	81.95
Error in latitude -----				0.06		
Error in departure -----					0.11	

CERTIFICATE OF UNITED STATES SURVEYOR.

Transitman

I, Roger F. Wilson, U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for Group 133, Arizona

bearing date of the 19th. day of June, 1924, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

re-
tions, and the laws of the United States, surveyed all those parts or portions of

The East Boundary and Subdivision lines of

Township 20 South, Range 10 East

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in

the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of

said ^{re}survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

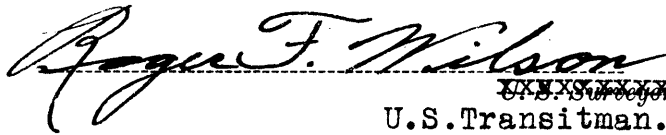
tions, and the special written instructions of the U. S. Surveyor General, for Group 133, Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of

such ^{re}survey.

Place: San Francisco, California

Date: July 2, 1926


U.S. ~~Surveyor~~ Transitman.

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 4, 1927

The foregoing field notes of the ~~RESURVEY~~ of ~~the~~ Part of ~~the~~ East boundary

and Part of the Subdivision lines of

Township 20 South, Range 10 East of the

Gila and Salt River Base and Meridian in the

State of Arizona

executed by Roger F. Wilson, U.S. Transitman

under his special instructions dated June 19, 1924, for Group 133, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{re}surveys they describe, are hereby approved.


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.~~