

orig

Book "B"
4-679

BOOK 3560

JUN - 5 1921

FIELD NOTES

OF THE SURVEY OF THE

East boundary,

North boundary,

Part of the West boundary, (completion), and

Part of the Subdivision lines (completion)

of

TOWNSHIP 27 NORTH, RANGE 14 WEST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

William B. Kimmel, U.S. Cadastral Engineer,

Quintin Campbell, U.S. Surveyor, and

Francis R. Ihrle, U.S. Transitman.

In the capacity of U. S. Surveyors, under instructions dated February 27, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 110, Arizona which were approved by the Commissioner of the General Land Office, March 10, 1920, and Assignment Instructions dated April 2, 1921, and May 2, 1921.

Survey commenced April 30, 1921.

Survey completed June 14, 1921.

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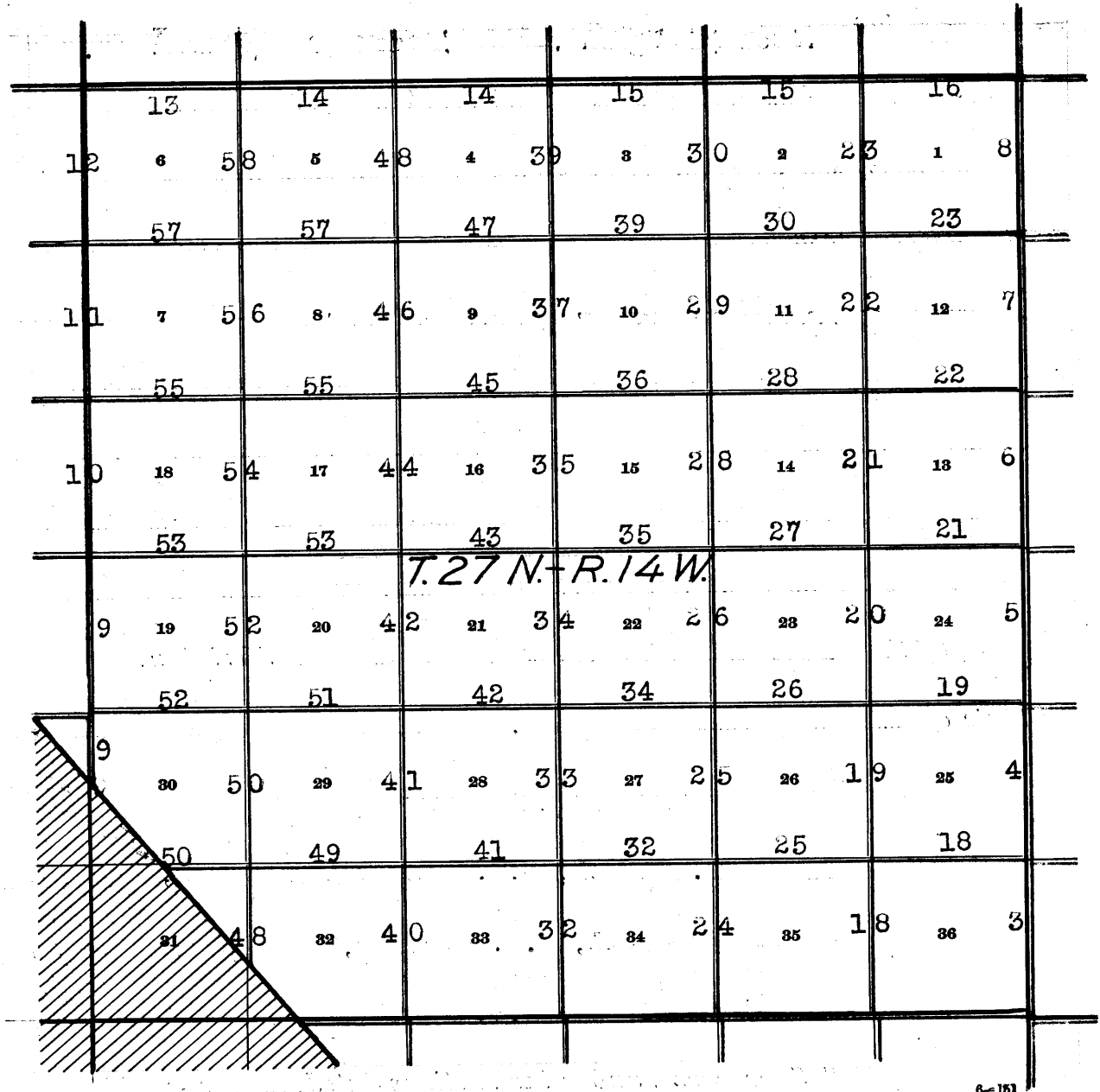
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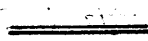

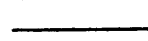

Group 110 - - Arizona.

BOOK 3560

INDEX DIAGRAM.



6-151

-  Lines surveyed under this group.
-  Lines surveyed under current Group No. 109.
-  Accepted surveys.
-  Areas surveyed as per accepted plats on file.

DATE DIAGRAM.

Book "B"

Group 110 - Arizona

TOWNSHIP 27 NORTH, RANGE 14 WEST,

	5-20-21	5-20-21	5-21-21	5-25-21	5-25-21	5-24-21
5-18-21	6 5-27-21	5 5-26-21	4 5-26 5-28 1921	3 6-7-21	2 6-7-21	1 5-8-21
5-18-21	7 5-24-21	8 5-25-21	9 5-19-21	10 5-29-21	11 5-29-21	12 5-3-21
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5-17-21	19 5-17-21	20 5-16 5-14	21 5-14-21	22 5-10-21	23 5-3-21	24 5-2-21
5-17	30 5-14-21	29 5-13-21	28 5-13-21	27 5-9-21	26 5-2-21	25 4-30-21
	31 5-14-21	32 5-13-21	33 5-12-21	34 5-5-21	35 5-2-21	36 4-30-21

For dates of survey of this line, see Book "A" of this group.

Green lines indicate surveys executed by William B. Kimmel, U. S. Cadastral Engineer on dates shown thereon.

Red lines indicate surveys executed by Quintin Campbell, U. S. Surveyor on dates shown thereon.

Blue lines indicate surveys executed by Francis R. Ihrie, U. S. Transitman on dates shown thereon.

Black lines indicate accepted surveys.

Surveys hereinafter described were executed by William B. Kimmel, U. S. Cadastral Engineer, Quintin Campbell, U. S. Surveyor and Francis R. Ihrie, U. S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Young and Sons' light mountain transits Nos. 8540, 8491 and 8477. For description of instruments 8491 and 8477, and certificates of approval, see Book "A". Transit No. 8540 is similar in all respects to transits 8491 and 8477.

Instrument No. 8540 was approved for field work, conditionally upon satisfactory field tests, by the Assistant Supervisor of Surveys for Arizona and California, May 2, 1921.

TEST OF INSTRUMENTS Nos. 8491 and 8477.

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a. m., and p. m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

April 25, 1921: at our camp near the center of sec. 36, T. 27 N., R. 14 W., G. and S. R. B. and M., lat. $35^{\circ} 41\frac{1}{2}'$ N., long. $113^{\circ} 44'$ W., at 3 hrs. 0 m., p. m., 1. m. t., we set off $35^{\circ} 41\frac{1}{2}'$ N. on the lat. arcs; $13^{\circ} 15'$ N. on the decl. arcs, and determine a meridian with each instrument.

April 26, 1921: at 5 hrs. 19 m., a. m., 1. m. t., we observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in a stake, firmly driven in the ground, 5 chs. N. of our station.

At 7 hrs. 30 m., a. m., 1. m. t., we lay off the azimuth of Polaris, $1^{\circ} 22\frac{1}{2}'$ to the West, and mark the true meridian thus determined by a tack driven in a stake, firmly set in the ground, 5 chs. N. of our station.

At 8 hrs. 0 m., a. m., 1. m. t., we set off $35^{\circ} 41\frac{1}{2}'$ N., on the lat. arcs; $13^{\circ} 29'$ N. on the decl. arcs; and determine a meridian with each solar.

As all of the solar observations during the usual hours of solar work come within $1' 30''$ of the true meridian, we conclude that the adjustments of the solars are satisfactory.

TEST OF INSTRUMENT No. 8540.

April 29, 1921: at our camp, near the center of sec. 36, T. 27 N., R. 14 W., G. and S. R. B. and M., lat. $35^{\circ} 41\frac{1}{2}'$ N., long. $113^{\circ} 44'$ W., using the meridian determined as hereinbefore described, at 9 hrs. 0 m., a. m., 1. m. t., I set off $35^{\circ} 41\frac{1}{2}'$ N. on the lat. arc; $14^{\circ} 26\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting decl. is $14^{\circ} 29'$ N., which is the computed decl. of the sun.

At 3 hrs. 0 m., p. m., 1. m. t., with the lat. arc unchanged, I set off $14^{\circ} 31\frac{1}{2}'$ N., on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1' 30''$ of the true meridian, I conclude that the adjustments of the solar are satisfactory.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

Survey of the East Boundary of
T. 27 N., R. 14 W.

BOOK 3560

Chains From the cor. of Ts. 26 and 27 N., R. 14 W., which is an iron post, 3 ins. diam., described in Book "A", set 1.72 chs. North of the cor. of Ts. 26 and 27 N., R. 13 W.
 North, along the E. bdy. of sec. 36.
 Over rolling land, through heavy timber and scattering undergrowth.

10.00 Desc. 20 ft.
 15.50 Ravine, course E. Asc. 25 ft.
 23.00 Desc. 115 ft., over NE. slope.
 38.28 (40.00 chs. N. of the cor. of Ts. 26 and 27 N., R. 13 W.)
 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, with marked (X) stone, for $\frac{1}{4}$ sec. cor. of sec. 31, T. 27 N., R. 13 W.; and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 31	
1921	

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 36, T. 27 N., R. 14 W., marked on brass cap

$\frac{1}{4}$ S 36	
1921	

From which
 A juniper, 12 ins. diam., brs. S. $59\frac{1}{2}^\circ$ W., 124 lks. dist., marked $\frac{1}{4}$ S 36 B T.
 A juniper, 24 ins. diam., brs. N. $35\frac{1}{2}^\circ$ W., 133 lks. dist., marked $\frac{1}{4}$ S 36 B T.

Continue descent.

41.60 Draw, course NE., from NW.
 50.25 Road, brs. NE. to Meriwhitica Canyon and SW. to Clay Springs and Hackberry. Asc. 50 ft.
 65.00 Desc. 10 ft.
 66.15 Asc. 25 ft.
 73.15 Desc. 40 ft.
 78.28 (80.00 chs. N. of the cor. of Ts. 26 and 27 N., R. 13 W.)
 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 30 and 31, T. 27 N., R. 13 W., marked on brass cap

T 27 N	T 27 N	
R 14 W	S 30	
S 36	S 31	
	R 13 W	
		1921

From which
 A juniper, 18 ins. diam., brs. N. $42\frac{1}{2}^\circ$ E., 174 lks. dist., marked T 27 N R 13 W S 30 B T.
 A juniper, _____ ins. diam., brs. S. 88° E., 75 lks. dist., marked T 27 N R 13 W S 31 B T.

Continue descent.

79.90 Ravine, 10 lks. wide, course S. 60° E. Asc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 25 and 36, T. 27 N., R. 14 W., marked on brass cap

T 27 N	T 27 N	
S 25	R 13 W	
S 36	S 30	
R 14 W		
		1921

From which

Survey of the East Boundary of
T. 27. N., R. 14. W.

Chains A juniper, 20 ins. diam., brs. S. 30° W., 114
lks. dist., marked T 27 N R 14 W S 36 B T.
A juniper, 24 ins. diam., brs. N. 42½° W., 177
lks. dist., marked T 27 N R 14 W S 25 B T.

Land, rolling.

Soil, gravelly clay and loam, 2nd rate.

Timber, juniper and pinyon.

Undergrowth, quinine brush, scrub oak and cactus.

North, along the E. bdy. of sec. 25.

Over rolling and hilly land, through heavy timber and
scattering undergrowth. Asc. 45 ft.

5.00 Desc.

7.00 Ravine, 20 lks. wide, course S. 60° E. Asc. 55 ft.

26.20 Desc.

28.30 Ravine, 15 lks. wide, course S. 40° E. Asc. 100 ft.

38.28 (40.00 chs. N. of the cor. of secs. 30 and 31, T. 27 N.,
R. 13 W.) Set an iron post, 3 ft. long, 1 in. diam.,
on bed rock, in a mound of stone, for ¼ sec. cor. of
sec. 30, T. 27 N., R. 13 W., marked on brass cap

¼ S 30
1921

From which

A juniper, 5 ins. diam., brs. N. 66¾° E., 15 lks.
dist., marked ¼ S 30 B T.

A juniper, 5 ins. diam., brs. S. 42½° E., 119
lks. dist., marked ¼ S 30 B T.

Continue ascent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock
in a mound of stone, for ¼ sec. cor. of sec. 25, T.
27 N., R. 14 W., marked on brass cap

¼ S 25
1921

From which

A juniper, 6 ins. diam., brs. S. 23° W., 71 lks.
dist., marked ¼ S 25 B T.

A juniper, 4 ins. diam., brs. S. 60° W., 207 lks.
dist., marked ¼ S 25 B T.

Continue ascent, 70 ft.

45.30 Ridge, brs. NE. and SW. Desc. 165 ft.

60.50 Ravine, 20 lks. wide, course E. Asc. 130 ft.

72.67 Spur, slopes E. Desc. 110 ft.

78.28 (80.00 chs. N. of the cor. of secs. 30 and 31, T. 27 N.,
R. 13 W.) Set an iron post, 3 ft. long, 2 ins. diam.,
8 ins. in the ground, in a mound of stone, for cor. of
secs. 19 and 30, T. 27 N., R. 13 W., marked on brass
cap

T 27 N	T 27 N
R 14 W	S 19
S 25	S 30
	R 13 W

1921

From which

A juniper, 8 ins. diam., brs. N. 82° E., 71 lks.
dist., marked T 27 N R 13 W S 19 B T.

A juniper, 16 ins. diam., brs. S. 41½° E., 94
lks. dist., marked T 27 N R 13 W S 30 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground, in a mound of stone, for cor. of secs.
24 and 25, T. 27 N., R. 14 W., marked on brass cap

Survey of the East Boundary of
T. 27 N.; R. 14 W.

BOOK 3560

Chains

T 27 N	T 27 N
S 24	R 13 W
S 25	S 19
R 14 W	

1921

From which

A juniper, 8 ins. diam., brs. S. $57\frac{1}{2}^\circ$ W., 31 lks. dist., marked T 27 N R 14 W S 25 B T.
A juniper, 20 ins. diam., brs. N. $77\frac{1}{2}^\circ$ W., 27 lks. dist., marked T 27 N R 14 W S 24 B T.
Land, rolling and hilly.
Soil, rocky, red clay, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak and cactus.
Fair grazing.

North, along the E. bdy. of sec. 24.

Over mountainous land, through scattering timber and undergrowth. Desc. 85 ft.

6.60 Ravine, 20 lks. wide, course E. Asc. 165 ft.

19.04 Spur, slopes E. Desc. 150 ft.

30.00 Ravine, 20 lks. wide, course E. Asc. 105 ft.

38.28 (40.00 chs. North of the cor. of secs. 19 and 30, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long, 1 in. diam., on bed rock, with marked (X) stone, for $\frac{1}{4}$ sec. cor. of sec. 19, T. 27 N., R. 13 W.; and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 19

1921

Continue ascent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock with marked (X) stone, for $\frac{1}{4}$ sec. cor. of sec. 24, T. 27 N., R. 14 W.; and raise a mound of stone around post, with brass cap marked

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

1921

Continue ascent, 60 ft.

50.30 Spur, slopes N. 60° E. Desc. 205 ft., over NW. slope.

78.28 (80.00 chs. N. of the cor. of secs. 19 and 30, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 18 and 19, T. 27 N., R. 13 W., marked on brass cap

T 27 N	T 27 N
R 14 W	S 18
S 24	S 19
	R 13 W

1921

From which

A juniper, 12 ins. diam., brs. N. $45\frac{3}{4}^\circ$ E., 53 lks. dist., marked T 27 N R 13 W S 18 B T.
A juniper, 8 ins. diam., brs. S. $64\frac{1}{2}^\circ$ E., 113 lks. dist., marked T 27 N R 13 W S 19 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with marked (X) stone, for cor. of secs. 13 and 24, T. 27 N., R. 14 W.; and raise a mound of stone around post, with brass cap marked

Survey of the East Boundary of
T. 27 N., R. 14 W.

Chains

T 27 N	T 27 N
S 13	R 13 W
S 24	S 18
R 14 W	

1921

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth; quinine brush, scrub oak and cactus.

Fair grazing.

North, along the E. bdy. of sec. 13.

Over rolling land, through scattering timber and undergrowth. Desc. 85 ft.

- 9.90 Thence over level land, brs. NE. and SW.
19.90 Leave level land, brs. NW. and SE. Asc. 20 ft.
24.30 Desc. 25 ft.
29.50 Asc. 35 ft.

38.28 (40.00 chs. N. of the cor. of secs. 18 and 19, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long; 1 in. diam., 6 ins. in the ground, with marked (X) stone, in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 18, T. 27 N., R. 13 W., marked on brass cap

$\frac{1}{4}$ S 18

1921

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground, with marked (X) stone, for $\frac{1}{4}$ sec. cor. of sec. 13, T. 27 N., R. 14 W.; and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 13

1921

Desc. 85 ft.

- 49.10 Thence over level land.
59.00 Draw, 10 lks. wide, course NE.
64.10 Leave level land, brs. NE. and SW. Asc. 25 ft.
76.60 Desc. 10 ft.

78.28 (80.00 chs. N. of the cor. of secs. 18 and 19, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 7 and 18, T. 27 N., R. 13 W., marked on brass cap.

T 27 N	T 27 N
R 14 W	S 7
S 13	S 18
	R 13 W

1921

From which

A juniper, 8 ins. diam., brs. N. $43\frac{3}{4}^{\circ}$ E., 82 lks. dist., marked T 27 N R 13 W S 7 B T.

A juniper, 6 ins. diam., brs. S. $37\frac{1}{2}^{\circ}$ E., 197 lks. dist., marked T 27 N R 13 W S 18 B T.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 12 and 13, T. 27 N., R. 14 W., marked on brass cap

Survey of the East Boundary of
T. 27 N., R. 14 W.

Chains

T 27 N		T 27 N
S 12		R 13 W
S 13		S 7
R 14 W		

1921

From which

- A juniper, 10 ins. diam., brs. S. 89 $\frac{1}{2}$ ° W., 142 lks. dist., marked T 27 N R 14 W S 13 B T.
- A juniper, 12 ins. diam., brs. N. 38 $\frac{1}{2}$ ° W., 130 lks. dist., marked T 27 N R 14 W S 12 B T.

Land, rolling and level.
Soil, gravelly and rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak and cactus.

North, along the E. bdy. of sec. 12.
Over nearly level land, through scattering timber and undergrowth.

38.28 (40.00 chs. N. of the cor. of secs. 7 and 18, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 7, T. 27 N., R. 13 W., marked on brass cap

$\frac{1}{4}$ S 7

1921

From which

- A juniper, 14 ins. diam., brs. N. 18° E., 315 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- A juniper, 12 ins. diam., brs. N. 48° E., 305 lks. dist., marked $\frac{1}{4}$ S 7 B T.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., of sec. 12, T. 27 N., R. 14 W., marked on brass cap

$\frac{1}{4}$ S 12

1921

From which

- A juniper, 20 ins. diam., brs. S. 27 $\frac{1}{2}$ ° W., 225 lks. dist., marked $\frac{1}{4}$ S 12 B T.
- A juniper, 30 ins. diam., brs. S. 81 $\frac{1}{2}$ ° W., 74 lks. dist., marked $\frac{1}{4}$ S 12 B T.

70.00 Leave timber, brs. E. and W.

78.28 (80.00 chs. N. of the cor. of secs. 7 and 18, T. 27 N., R. 13 W.) Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with cross (X) at exact cor. point, for cor. of secs. 6 and 7, T. 27 N., R. 13 W.; and raise a mound of stone around post, with brass cap marked

T 27 N		T 27 N
R 14 W		S 6
S 12		S 7
		R 13 W

1921

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with cross (X) at exact cor. point, for cor. of secs. 1 and 12, T. 27 N., R. 14 W.; and raise a mound of stone around post, with brass cap marked

T 27 N		T 27 N
S 1		R 13 W
S 12		S 6
R 14 W		

1921

Land, rolling.
Soil, gravelly and rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak and cactus.
Fair grazing.

Survey of the East Boundary of
T. 27 N., R. 14 W.

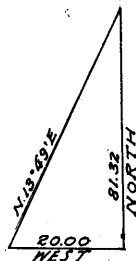
Chains North, along the E. bdy. of Sec. 1.
Over rolling land, through scattering timber and under-
growth.
25.00 Asc. 55 ft., over S. slope.
35.20 Desc.
35.76 (37.48 chs. N. of the cor. of secs. 6 and 7, T. 27 N.,
R. 13 W.) Set an iron post, 3 ft. long, 1 in. diam.,
on bed rock, with marked (X) stone, for witness cor.
to $\frac{1}{4}$ sec. cor. of sec. 6, T. 27 N., R. 13 W.; and
sec. 1, T. 27 N., R. 14 W.; and raise a mound of stone
around post, with brass cap marked

W C
1
S 1 | S 6
1921

From which

A pinyon, 18 ins. diam., brs. S. $52\frac{1}{2}^{\circ}$ E., 53
lks. dist., marked W C $\frac{1}{4}$ S 6 B T.

35.80 Rim of canyon, 250 ft. high, brs. NE. and SW. Impossible
to chain from this point. Set a flag ahead on line,
and from the 35.76 ch. point, measure
a base West 20.00 chs., from the W. end
of which, flag brs. N. $13^{\circ} 49'$ E. The
three angles of the triangle are there-
fore 90° , $76^{\circ} 11'$ and $13^{\circ} 49'$, the sum
of which is 180° . The distance tri-
angulated is given by $\tan. 76^{\circ} 11' \times$
 $20.00 = 4.06616 \times 20. = 81.32$ chs.
which added to 35.76 chs., gives



117.08 Thence South 36.52 chs. to a point 80.76 chs. North of
the cor. of secs. 1 and 12, T. 27 N., R. 14 W., and
due East of the cor. of Ts. 27 and 28 N., Rs. 14 and
15 W., where I

80.76 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in
the ground, on bed rock, with marked (X) stone, for
cor. of Ts. 27 and 28 N., Rs. 13 and 14 W.; and raise
a mound of stone around post, with brass cap marked

T 28 N.
R 14 W | R 13 W
S 36 | S 31
S 1 | S 6
T 27 N
1921

The approximate topography is as follows:

38.28 The true point for $\frac{1}{4}$ sec. cor. of sec. 6, T. 27 N., R.
13 W., is inaccessible.

40.00 The true point for $\frac{1}{4}$ sec. cor. of sec. 1, T. 27 N., R.
14 W. is inaccessible.

73.00 Center of wash, 3 chs. wide, course NE.

79.90 Wash, 20 lks. wide, course N. 60° E.

Land, rolling and mountainous.

Soil, rocky, clay, 4th rate.

Timber, pinyon and juniper.

Undergrowth, quinine brush, dogwood, palo verde, grease-
wood and cactus.

Fair grass.

Completion of the Survey of the West Boundary of ^{BOOK} 3560
T. 27 N., R. 14 W.

Chains

Those portions of the Boundaries and subdivision of T. 27 N., R. 14 W., surveyed under Group 45 were executed by S. Frank Walters, U. S. Transitman, in July, 1917, and monumented by iron posts, which are the cors. hereinafter described.

The closing cor. of secs. 25 and 30, on the W. bdy. of Tp. and on the Hualpai Indian Reservation Boundary is an iron post, 2 ins. diam., set in a mound of stone, properly marked, witnessed by a mound of stone, S. of cor., and established 42.92 chs. N. of the cor. of secs. 25, 30, 31 and 36. On that part of the brass cap referring to the areas lying within the Hualpai Indian Reservation, I add the section numbers S 25 and S 30, and below the original date 1917, I add the year number 1921. I also efface the letters C C on the brass cap.

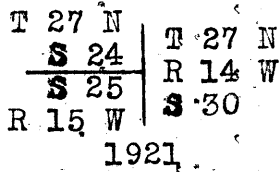
Thence

North, bet. secs. 25 and 30.

Over rolling mountainous land, through scattering timber and undergrowth. Desc. 70 ft.

- 4.83 Draw, course NE. Continue gradual descent.
- 7.03 Road, brs. NE. to Clay Springs and SW. to Milkweed Springs.
- 9.75 Same draw, course NW. Continue descent, 25 ft.
- 11.78 Same draw, course NE. Asc. 45 ft.
- 24.83 Desc. 35 ft.
- 36.85 (79.77 chs. North of the cor. of secs. 25, 30, 31 and 36)

At a point due East of the closing cor. of secs. 24 and 25, T 27 N., R. 15 W., described in Book "C", set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. of secs. 24 and 25, T. 27 N., R. 15 W., marked on brass cap

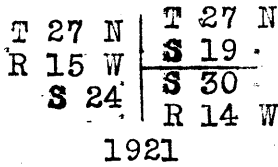


From which

A cedar, 14 ins. diam., brs. S. 48° W., 110 lks. dist., marked T 27 N R 15 W S 25 B T.

A cedar, 14 ins. diam., brs. N. 37° W., 163 lks. dist., marked T 27 N R 15 W S 24 B T.

- 80.00 (37.08 chs. N. of the closing cor. of secs. 25 and 30.)
- Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 19 and 30, T. 27 N., R. 14 W., marked on brass cap



From which

A cedar, 8 ins. diam., brs. N. 50° E., 76 lks. dist., marked T 27 N R 14 W S 19 B T.

A cedar, 14 ins. diam., brs. S. 45° E., 59 lks. dist., marked T 27 N R 14 W S 30 B T.

Land, rolling mountainous.

Soil, rocky, limestone and lava formations; 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, sagebrush, scrub oak, and cactus.

North, along the W. bdy. of sec. 19.

Over rolling land, through scattering timber and dense undergrowth.

Completion of the Survey of the West Boundary of
T. 27 N., R. 14 W.

Chains Desc. 85 ft.
25.20 Draw, course NE. Thence over gently rolling land.
52.15 Road, brs. NW. to Clay Springs and SE. to Milkweed Springs
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor. of secs. 19 and 24, marked on
brass cap

$\frac{1}{4}$
S 24 | S 19
1921.

From which

A cedar, 8 ins. diam., brs. S. 89° E., 5 lks.
dist., marked $\frac{1}{4}$ S 19 B T.

A cedar, 15 ins. diam., brs. S. 74° W., 42 lks.
dist., marked $\frac{1}{4}$ S 24 B T.

43.90 Draw, course NE.
53.40 Draw, course NE. Asc. gradually.
58.70 Low spur, slopes E. Desc. 60 ft.
67.30 Trail, brs. NE. and SW.
68.95 Draw, course NE. Asc. 55 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground, in a mound of stone, for cor. of secs. 13,
18, 19 and 24, marked on brass cap

T 27 N
R 15 W | R 14 W
S 13 | S 18
S 24 | S 19
1921

From which

A cedar, 6 ins. diam., brs. N. 35 $\frac{3}{4}$ ° E., 54 lks.
dist., marked T 27 N R 14 W S 18 B T.

A cedar, 9 ins. diam., brs. S 68 $\frac{1}{2}$ ° E., 20 lks.
dist., marked T 27 N R 14 S 19 B T.

A cedar, 8 ins. diam., brs. S. 53° W., 34 lks.
dist., marked T 27 N R 15 W S 24 B T.

A cedar, 18 ins. diam., brs. N. 36 $\frac{1}{4}$ ° W., 44 lks.
dist., marked T 27 N R 15 W S 13 B T.

Land, rolling and gently rolling.

Soil, rocky, limestone and lava formation; 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, sagebrush, scrub oak, and cactus.

North, bet. secs. 13 and 18.

Over rolling land, through scattering timber and dense
undergrowth. Asc. 40 ft.

15.00 Spur, slopes E. Desc.
16.70 Draw, course NE. Asc. 15 ft.
23.30 Desc. 45 ft.
29.95 Draw, course NE. Asc. 25 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in
the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor.,
marked on brass cap

$\frac{1}{4}$
S 13 | S 18
1921

From which

A pine, 10 ins. diam., brs. S. 35 $\frac{3}{4}$ ° E., 54 lks.
dist., marked $\frac{1}{4}$ S 18 B T.

A cedar, 10 ins. diam., brs. S. 36 $\frac{1}{4}$ ° W., 20 lks.
dist., marked $\frac{1}{4}$ S 13 B T.

Desc. 15 ft.

49.30 Draw, course NE. Asc. 165 ft.

Completion of the Survey of the West Boundary of **BOOK 3560**
T. 27 N., R. 14 W.

Chains

65.50 Ridge, brs. E. and SW. Desc. 180 ft., over NW. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in
the ground, in a mound of stone, for cor. of secs. 7,
12, 13 and 18, marked on brass cap

T 27 N	
R 15 W	R 14 W
S 12	S 7
S 13	S 18

1921

From which

A cedar, 12 ins. diam., brs. N. $46\frac{3}{4}^{\circ}$ E., 49 lks.
dist., marked T 27 N R 14 W S 7 B T.
A pine, 6 ins. diam., brs. S. $57\frac{1}{2}^{\circ}$ E., 48 lks.
dist., marked T 27 N R 14 W S 18 B T.
A pine, 12 ins. diam., brs. S. $20\frac{3}{4}^{\circ}$ W., 64 lks.
dist., marked T 27 N R 15 W S 13 B T.
A cedar, 6 ins. diam., brs. N. $36\frac{1}{2}^{\circ}$ W., 115 lks.
dist., marked T 27 N R 15 W S 12 B T.

Land, rolling and mountainous.

Soil, rocky, limestone and lava formations, 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, sagebrush, scrub oak and cactus.

Fair grazing.

North, bet. secs. 7 and 12.

Over rolling and mountainous land, through scattering
timber and undergrowth.

Desc. 120 ft. over NW. slope.

7.60 Draw, course NE. Asc. 60 ft.

17.20 Desc. 60 ft.

24.55 Draw, course SE. Asc. 234 ft.

25.35 Trail, brs. NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap

S 12	S 7
1921	

From which

A pine, 10 ins. diam., brs. N. 43° E., 19 lks.
dist., marked $\frac{1}{4}$ S 7 B T.
A pine, 9 ins. diam., brs. N. $43\frac{1}{2}^{\circ}$ W., 94 lks.
dist., marked $\frac{1}{4}$ S 12 B T.

Continue ascent, 115 ft.

49.00 Ridge, brs. E. and W. Desc. 355 ft., over NW. slope

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in
the ground, in a mound of stone, for cor. of secs. 1,
6, 7, and 12, marked on brass cap

T 27 N	
R 15 W	R 14 W
S 1	S 6
S 12	S 7

1921

From which

A pine, 7 ins. diam., brs. N. $35\frac{1}{4}^{\circ}$ E., 107 lks.
dist., marked T 27 N R 14 W S 6 B T.
A pine, 10 ins. diam., brs. S. 24° E., 63 lks.
dist., marked T 27 N R 14 W S 7 B T.
A cedar, 10 ins. diam., brs. S. $40\frac{3}{4}^{\circ}$ W., 41 lks.
dist., marked T 27 N R 15 W S 12 B T.
A pine, 8 ins. diam., brs. N. 15° W., 98 lks.
dist., marked T 27 N R 15 W S 1 B T.

Land, rolling and mountainous.

Soil, limestone formation, rocky, 3rd and 4th rates.

Completion of the Survey of the West Boundary of
T. 27 N., R. 14 W.

Chains Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger and cactus.

North, bet. secs. 1 and 6.
Over rolling land, through scattering timber and undergrowth. Desc. 55 ft.

9.95 Draw, course NW. Thence over gently rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 1 \text{ | S } 6 \\ \hline 1921 \end{array}$$

From which

A cedar, 13 ins. diam., brs. S. 85° E., 96 lks. dist., marked $\frac{1}{4}$ S 6 B T.

A cedar, 18 ins. diam., brs. N. 15° W., 139 lks. dist., marked $\frac{1}{4}$ S 1 B T.

Desc. gradual slope, 60 ft.

64.75 Draw, course NE. Asc. 30 ft.

72.15 Desc. 30 ft.

80.71 (A point due East of the closing cor. of secs. 4 and 33), on the N. bdy. of T. 27 N., R. 15 W., described in Book "C".) Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of Ts. 27 and 28 N., Rs. 14 and 15 W., marked on brass cap:

$$\begin{array}{c} \text{T } 28 \text{ N} \\ \text{R } 15 \text{ W } \quad \text{R } 14 \text{ W} \\ \text{S } 36 \text{ | S } 31 \\ \hline \text{S } 1 \text{ | S } 6 \\ \text{T } 27 \text{ N} \\ 1921 \end{array}$$

From which

A cedar, 12 ins. diam., brs. N. 42 $\frac{1}{2}$ ° E., 54 lks. dist., marked T 28 N R 14 W S 31 B T.

A cedar, 12 ins. diam., brs. S. 67 $\frac{1}{2}$ ° E., 83 lks. dist., marked T 27 N R 14 W S 6 B T.

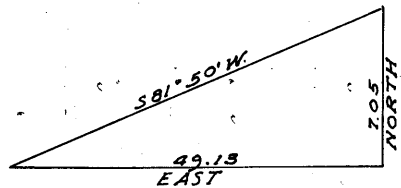
A pine, 14 ins. diam., brs. S. 9 $\frac{3}{4}$ ° W., 269 lks. dist., marked T 27 N R 15 W S 1 B T.

A cedar, 24 ins. diam., brs. N. 59 $\frac{1}{2}$ ° W., 90 lks. dist., marked T 28 N R 15 W S 36 B T.

Land, rolling and gently rolling.
Soil, rocky, 3rd and 4th rates, limestone formation.
Timber, cedar and pine.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger and cactus.

Survey of the North Boundary of
T. 27 N., R. 14 W.

Chains From the cor. of Ts. 27 and 28 N., Rs. 14 and 15 W., heretofore described, East on a random line, along the N. bdy. of T. 27 N., R. 14 W., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; at 271.29 chs., impossible to chain farther: set a flag ahead on line, from which I



measure a base North 7.05 chs., from the N. end of which, flag at the 271.29 ch. point brs. S. 81° 50' W. The three angles of the triangle are therefore 90°, 8° 10' and 81° 50', the sum of which is 180°.

The distance triangulated is given by $\tan. 81^\circ 50' \times 7.05 = 6.96823 \times 7.05 = 49.13$ chs., which added to 271.29 chs., gives 320.42 chs.

Thence West 0.42 chs., and set temp. cor. of secs. 2, 3, 34 and 35.

Thence East on a random line, along the N. bdy. of Tp., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; at 479.59 chs., intersect the cor. of Ts. 27 and 28 N., Rs. 13 and 14 W., hereinbefore described.

I return to the cor. of Ts. 27 and 28 N., Rs. 14 and 15 W.

Thence East, on a true line, bet. secs. 6 and 31.

Over rolling land, through scattering timber and undergrowth.

13.50 Draw, course NE.

39.59 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 31
S 6
1921

From which

A cedar, 12 ins. diam., brs. N. 17° E., 235 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A cedar, 12 ins. diam., brs. S. 8° E., 158 lks. dist., marked $\frac{1}{4}$ S 6 B T.

Asc. 85 ft.

53.15 Spur, slopes N. Desc.

63.00 Draw, course NW. Asc. 95 ft.

76.00 Ridge, brs. N. and S. Desc. 35 ft.

79.59 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T 28 N R 14 W
S 31 | S 32
S 6 | S 5
T 27 N
1921

From which

A cedar, 8 ins. diam., brs. N. 39 $\frac{1}{2}$ ° E., 310 lks. dist., marked T 28 N R 14 W S 32 B T.

A cedar, 10 ins. diam., brs. S. 40° E., 148 lks. dist., marked T 27 N R 14 W S 5 B T.

A cedar, 6 ins. diam., brs. S. 6 $\frac{1}{4}$ ° W., 75 lks. dist., marked T 27 N R 14 W S 6 B T.

A cedar, 8 ins. diam., brs. N. 41° W., 144 lks. dist., marked T 28 N R 14 W S 31 B T.

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rates; limestone formation.

Timber, cedar and pine.

Survey of the North Boundary of
T. 27 N., R. 14 W.

Chains Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger and cactus.
Fair grazing.

East, on a true line, bet. secs. 5 and 52.
Over rolling land, through scattering timber and dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{1}{4} \begin{array}{l} S 32 \\ S 5 \end{array}$$

1921

From which

A cedar, 10 ins. diam., brs. N. 58° E., 104 lks. dist., marked $\frac{1}{4}$ S 32 B T.

A pine, 8 ins. diam.; brs. S. 66° E., 128 lks. dist., marked $\frac{1}{4}$ S 5 B T.

41.45 Draw, course SE.

59.90 Draw, course SE. Asc. 45 Ft.

67.30 Desc. 25 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 4, 5, 32 and 33, marked on brass cap

T 28 N R 14 W

$$\begin{array}{c|c} S 32 & S 33 \\ \hline S 5 & S 4 \end{array}$$

T 27 N

1921

From which

A cedar, 8 ins. diam., brs. N. 63° E., 67 lks. dist., marked T 28 N R 14 W S 33 B T.

A cedar, 10 ins. diam., brs. S. 7° E., 38 lks. dist., marked T 27 N R 14 W S 4 B T.

A cedar, 8 ins. diam., brs. S. 22° W., 79 lks. dist., marked T 27 N R 14 W S 5 B T.

A cedar, 8 ins. diam., brs. N. 39° W., 51 lks. dist., marked T. 28 N R 14 W S 32 B T.

Land, rolling.

Soil, rocky, 3rd and 4th rates; limestone formation.

Timber, cedar and pine.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger and cactus.

Fair grazing.

East, on a true line, bet. secs. 4 and 33.

Over rolling land, through scattering timber and dense undergrowth.

Desc. 80 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{1}{4} \begin{array}{l} S 33 \\ S 4 \end{array}$$

1921

From which

A juniper, 8 ins. diam., brs. N. 7° W., 124 lks. dist., marked $\frac{1}{4}$ S 33 B T.

A juniper, 8 ins. diam., brs. S. 19 $\frac{1}{2}$ ° W., 54 lks. dist., marked $\frac{1}{4}$ S 4 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, with marked (X) stone, in a mound of stone,

Survey of the North Boundary of
T. 27 N., R. 14 W.

Chains for cor. of secs. 3, 4, 33 and 34, marked on brass cap

T 28 N R 14 W
S 33 | S 34
S 4 | S 3
T 27 N
1921

From which
A pinyon, 10 ins. diam., brs. N. 53 $\frac{1}{2}$ ° E., 54 lks.
dist., marked T 28 N R 14 W S 34 B T.
A pinyon, 8 ins. diam., brs. S. 43 $\frac{1}{2}$ ° E., 26 lks.
dist., marked T 27 N R 14 W S 3 B T.
A pinyon, 8 ins. diam., brs. S. 51° W., 80 lks.
dist., marked T 27 N R 14 W S 4 B T.
No other trees within limits. Raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, prickly ash, scrub oak and cactus

East, on a true line, bet. secs. 3 and 34.
Over rolling land, through scattering timber and under-
growth. Desc. 20 ft.
4.30 Ravine, course N. 60° E. Asc. 25 ft.
9.00 Thence along N. slope.
26.00 Desc. 95 ft., over E. slope.
31.70 Rim of canyon, 400 ft. high, brs. NE. and SW. Thence
by triangulation, as hereinbefore described.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
the ground, with marked (X) stone, for $\frac{1}{4}$ sec. cor.;
and raise a mound of stone around post, with brass
cap marked

$\frac{1}{4}$ S 34
S 3
1921

Thence by chaining.
Desc. 205 ft., into Meriwhitica Canyon.
58.00 Main wash in canyon, course N. 60° E. Asc. 105 ft.
76.80 Desc. 25 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
the ground, with marked (X) stone, for cor. of secs.
2, 3, 34 and 35; and raise a mound of stone around
post, with brass cap marked

T 28 N R 14 W
S 34 | S 35
S 3 | S 2
T 27 N
1921

Land, rolling and mountainous.
Soil, rocky clay, 4th rate.
Timber, pine and cedar.
Undergrowth, palo verde and cat claw.

East, on a true line, bet. secs. 2 and 35.
Over mountainous land, through scattering undergrowth.
Along N. slope, on S. side of wash in Meriwhitica Canyon.

Survey of the North Boundary of
T. 27 N., R. 14 W.

Chains Desc. 70 ft.
5.80 Asc. 45 ft.
10.75 Desc. 205 ft.
35.80 Main wash, course S. 60° E. Continue descent.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, with marked (X) stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked

$$\frac{1}{4} \begin{array}{c} S 35 \\ S 2 \end{array}$$

1921

Continue descent, 70 ft.
70.00 Main wash, course N. 60° E.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, with marked (X) stone, for cor. of secs. 1, 2, 35 and 36; and raise a mound of stone around post, with brass cap marked

T 28 N R 14 W

S 35	S 36
S 2	S 1

T 27 N

1921

Land, mountainous.

Soil, rocky clay; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

East, on a true line, bet. secs. 1 and 36.
Over mountainous land, through scattering undergrowth.
Asc. 40 ft.

5.50 Point of spur, slopes N. Desc. 55 ft.
17.60 Thence over level land.
26.00 Main wash, 30 lks. wide, course S. 60° E. Asc. 80 ft.
33.90 Point of spur, slopes S. Desc. 100 ft.
37.00 Thence over level land.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, with marked (X) stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked

$$\frac{1}{4} \begin{array}{c} S 36 \\ S 1 \end{array}$$

1921

43.50 Main wash, course NE.
55.20 Leave level land. Asc. 150 ft.
60.20 Point of spur, slopes N. Desc. 80 ft.
64.75 Asc. 260 ft.
80.00 The cor. of Ts. 27 and 28 N., Rs. 13 and 14 W.
Land, mountainous; level along bed of wash.
Soil, rocky clay, 4th rate.
No timber.
Undergrowth, greasewood and cactus.

Boundaries of that part of T. 27 N., R. 14 W.,
 Surveyed under this group.

Latitudes, departures and closing errors.

Line designated	True bearing	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary	West	376.94				376.94
Hualpai Indian Reservation Bdy.	N.40° W.	160.56	123.00			103.21
West Boundary	North	357.79	357.79			
North Boundary	East	479.59			479.59	
East Boundary	South	480.76		480.76		
Convergency					.50	
Totals			480.79	480.76	480.09	480.15
			480.76			480.09
Error in latitude			.03			
Error in departure						.06

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W. .

Chains From the cor. of secs. 35 and 36, on the S. bdy. of Tp.,
which is an iron post, described in Book "A"
N. 0° 1' W., bet. secs. 35 and 36.
Over-rolling land, through scattering undergrowth and
heavy timber.

4.20 Draw, 10 lks. wide, course NE.
25.00 Enter open flat, brs. E. and W.
29.80 Draw, 15 lks. wide, course N. 80° E.
35.00 Leave open flat, brs. E. and W. Enter timber.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 35 | S 36
 1921

From which

A juniper, 16 ins. diam., brs. S. 45° E., 5 lks.
dist., marked $\frac{1}{4}$ S 36 B T.

A juniper, 16 ins. diam., brs. N. 31° W., 44 lks.
dist., marked $\frac{1}{4}$ S 35 B T.

42.80 Draw, 10 lks. wide, course SE. Asc. 35 ft.
50.00 Spur, slopes SE. Desc. 25 ft.
61.80 Draw, 10 lks. wide, course SE. Asc. 125 ft.
74.88 From this point, dry tank and corral br. S. 47° E.
80.00 Spur, slopes SE. Set an iron post, 3 ft. long; 2 ins.
diam., 10 ins. in the ground, on solid rock with mark-
ed (X) stone in a mound of stone, for cor. of secs.
25, 26, 35 and 36, marked on brass cap

T 27 N R 14 W
 S 26 | S 25
 S 35 | S 36
 1921

From which

A juniper, 6 ins. diam., brs. S. 48° E., 41 lks.
dist., marked T 27 N R 14 W S 36 B T.

A juniper, 8 ins. diam., brs. S. 75° W., 71 lks.
dist., marked T 27 N R 14 W S 35 B T.

No other trees within limits.

Land, rolling and level.

Soil, gravelly and rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, quinine brush, scrub oak and prickly ash.

40.00 East, on a random line, bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
79.80 Intersect the cor. of secs. 25 and 36, on the E. bdy. of
Tp., hereinbefore described.
Thence,
West, on a true line, bet. secs. 25 and 36.
Over rolling and hilly land, through scattering timber
and undergrowth.

0.20 Draw, 10 lks. wide, course SE. Asc. 95 ft.
23.20 Spur, slopes SE. Desc. 65 ft.
29.00 Wire fence, brs. N. 30° W. and S. 30° E.
35.00 Ravine, 20 lks. wide, course SE. Asc. 75 ft.
39.90 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in
the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor.,
marked on brass cap

$\frac{1}{4}$ S 25
 S 36
 1921

From which

A juniper, 6 ins. diam., brs. N. 39° E., 76 lks.
dist., marked $\frac{1}{4}$ S 25 B T.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

- Chains A juniper, 6 ins. diam., brs. S. 85° W., 30 lks.
dist., marked $\frac{1}{4}$ S 36 B T.
- Continue ascent, 30 ft.
- 42.00 Wire fence, brs. N. 80° E., and S. 67° W.
- 44.95 Spur, slopes SE. Desc: 50 ft.
- 60.00 Wire fence, brs. N. 13° E., and S. 13° W.
- 65.70 Wash, 10 lks. wide, course SE. Asc. 105 ft.
- 79.80 The cor. of secs. 25, 26, 35 and 36.
Land, rolling and hilly.
Soil, gravelly and rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak and prickly ash.
-
- N. 0° 1' W., bet. secs. 25 and 26.
Over-rolling land, through scattering timber and under-
growth. Desc. 30 ft.
- 10.80 Draw, 10 lks. wide, course SE. Asc. 255 ft.
- 25.00 From this point, dry tank and corral br. S. 28 $\frac{1}{2}$ ° E.
- 38.60 Top of ascent. Thence across level top of spur.
- 40.00 Set an iron post, 5 ft. long, 1 in. diam., 18 ins. in
the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$
sec. cor., marked on brass cap
- $\frac{1}{4}$
S 26 | S 25
1921
- From which
- A juniper, 10 ins. diam., brs. N. 29° E., 50 lks.
dist., marked $\frac{1}{4}$ S 25 B T.
- A juniper, 10 ins. diam., brs. S. 57° W., 31 lks.
dist., marked $\frac{1}{4}$ S 26 B T.
- Thence along E. slope of spur.
- 60.64 Ridge, brs. E. and W. Desc. 105 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in
the ground, for cor. of secs. 23, 24, 25 and 26, marked
on brass cap
- T 27 N R 14 W
S 23 | S 24
S 26 | S 25
1921
- From which
- A juniper, 8 ins. diam., brs. N. 80° E., 69 lks.
dist., marked T 27 N R 14 W S 24 B T.
- A juniper, 8 ins. diam., brs. S. 41 $\frac{1}{2}$ ° E., 78 lks.
dist., marked T 27 N R 14 W S 25 B T.
- A juniper, 8 ins. diam., brs. S. 36° W., 144 lks.
dist., marked T 27 N R 14 W S 26 B T.
- A juniper, 8 ins. diam., brs. N. 13° W., 71 lks.
dist., marked T 27 N R 14 W S 25 B T.
- Land, rolling and mountainous.
Soil, gravelly clay, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, scrub oak, prickly ash and quinine brush.
-
- East, on a random line, bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Fall 12 lks. S. of the cor. of secs. 24 and 25, on the
S. bdy. of Tp., hereinbefore described.
- Thence
S. 89° 55' W., on a true line, bet. secs. 24 and 25.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Over gently rolling land, through scattering timber and undergrowth.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ $\frac{S}{S}$ $\frac{24}{25}$
1921

From which

A juniper, 8 ins. diam., brs. N. 32° E., 39 lks. dist., marked $\frac{1}{4}$ S 24 B T.

A juniper, 8 ins. diam., brs. S. 42 $\frac{1}{2}$ ° W., 77 lks. dist., marked $\frac{1}{4}$ S 25 B T.

Thence over level open flat.

62.25 Draw, 10 lks. wide, course N. 70° E. Asc. 200 ft.

80.06

the cor. of secs. 23, 24, 25 and 26.
Land, level, rolling and mountainous.

Soil, gravelly clay, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, scrub oak, prickly ash and quinine brush.

N. 0° 1' W., bet. secs. 23 and 24.

Over mountainous land, through heavy timber and scattering undergrowth. Asc. 30 ft.

10.00 Spur, slopes E. Desc. 175 ft., over N. slope.

22.80 Draw, 10 lks. wide, course N. 60° E. Asc. 30 ft.

29.85 Spur, slopes E. Desc.

32.20 Draw, 10 lks. wide, course E. Asc. 95 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, on bed rock, with marked (X) stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$
S 23 | S 24
1921

Asc. 40 ft.

45.00 Ridge, brs. E. and W. Desc. 205 ft., on spur, slopes N.

76.85 Leave spur, slopes N. 20° E. Continue descent, 25 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 13, 14, 23 and 24; marked on brass cap

T 27 N R 14 W
S 14 | S 13
S 23 | S 24
1921

From which

A limestone rock in place, 4 x 3 x 1 ft. above ground, bears N. 24° E., 23 lks. dist., marked cross (X) B 0 13.

A limestone rock in place, 3 x 3 x 1 ft. above ground, bears S. 77° E., 22 lks. dist., marked cross (X) B 0 24.

A limestone rock in place, 3 x 3 x 1 ft. above ground, bears S. 60° W.; 12 lks. dist., marked cross (X) B 0 23.

A limestone rock in place, 4 x 2 x 1 ft. above ground, bears N. 20° W., 12 lks. dist., marked cross (X) B 0 14.

Land, mountainous.

Soil, rocky, 4th rate.

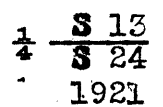
Timber, juniper and pinyon.

Undergrowth, sagebrush, prickly ash and scrub oak.

BOOK 3560

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

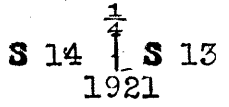
Chains N. 89° 55' E., on a random line, bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect the cor. of secs. 13 and 24, on the E. bdy. of
 Tp., hereinbefore described.
 Thence
 S. 89° 55' W., on a true line, bet. secs. 13 and 24.
 Over rolling and mountainous land, through scattering
 timber and undergrowth. Desc. 35 ft.
 14.55 Draw, 10 lks. wide, course NE. Asc. 175 ft.
 32.90 Spur, slopes NE. Desc.
 39.96 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec.
 cor., marked on brass cap



From which
 A juniper, () ins. diam., brs. N. 10° E., 90
 lks. dist., marked $\frac{1}{4}$ S 13 B T.
 A pinyon, 10 ins. diam., brs. South 81 lks. dist.
 marked $\frac{1}{4}$ S 24 B T.

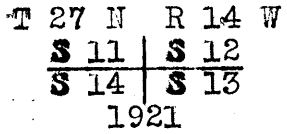
Continue descent, 80 ft.
 60.50 Draw, 20 lks. wide, course N. 25° E. Asc. 195 ft.
 76.90 Desc.
 79.92 The cor. of secs. 13, 14, 23 and 24.
 Land, rolling and mountainous.
 Soil, gravelly clay, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, quinine brush, scrub oak and prickly ash.

N. 0° 1' W., bet. secs. 13 and 14.
 Over rolling and mountainous land, through scattering
 timber and undergrowth. Desc. 190 ft.
 40.00 Set an iron post, 5 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which
 A juniper, 10 ins. diam., brs. N. 16 $\frac{1}{2}$ ° E., 52
 lks. dist., marked $\frac{1}{4}$ S 13 B T.
 A juniper, 14 ins. diam., brs. N. 85° W., 55
 lks. dist., marked $\frac{1}{4}$ S 14 B T.

Continue descent, 120 ft.
 48.55 Ravine, 20 lks. wide, course NW. Asc. 55 ft.
 70.84 Flat spur, slopes NW. Desc. 30 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 11, 12, 13 and 14,
 marked on brass cap



From which
 A juniper, 12 ins. diam., brs. N. 73° E., 90
 lks. dist., marked T 27 N R 14 W S 12 B T.
 A juniper, 10 ins. diam., brs. S. 55 $\frac{1}{2}$ ° E., 85
 lks. dist., marked T 27 N R 14 W S 13 B T.
 A juniper, 10 ins. diam., brs. S. 74 $\frac{1}{2}$ ° W., 224
 lks. dist., marked T 27 N R 14 W S 14 B T.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains

A juniper, 8 ins. diam., brs. N. 59° W., 170
lks. dist., marked T 27 N R 14 W S 11 B T.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, juniper.
Undergrowth, scrub oak, rabbit brush and quinine brush.

40.00 N. 89° 55' E., on a random line, bet. secs. 12 and 13.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Fall 38 lks. N. of the cor. of secs. 12 and 13, on the
E. bdy. of Tp., hereinbefore described.
Thence
N. 89° 49' W., on a true line, bet. secs. 12 and 13.
Over rolling land, through scattering timber and under-
growth. Desc. 15 ft.
6.50 Center of draw, 1 ch. wide, course NE. Thence over level
land.
16.50 Leave level land, brs. NE. and SW. Asc. 75 ft.
34.95 Spur, slopes NE. Desc. 25 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground, on bed rock, with marked (X) stone, in a mound
of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 12
S 13
1921

From which

A limestone, 3 x 3 x 1 ft. above ground, brs.
N. 18° W., 24 lks. dist., marked B O 12.
No other bearing objects available.
Continue descent, 30 ft.
55.00 Center of draw, 1 ch. wide, course NE. Asc. 50 ft.
70.00 Flat spur, slopes NE. Desc.
77.70 Head of ravine, 10 lks. wide, course NW. Asc.
80.00 The cor. of secs. 11, 12, 13 and 14.
Land, rolling.
Soil, gravelly and rocky, 4th rate.
Timber, scattering juniper.
Undergrowth, scrub oak, quinine brush and rabbit brush.

N. 0° 1' W., bet. secs. 11 and 12.
Over rolling land, through scattering timber and under-
growth. Desc. 30 ft.
6.00 Ravine, 10 lks. wide, course W. Thence over nearly level
10.00 Head of ravine, 10 lks. wide, course W. Thence over
nearly level land.
30.00 Asc. 45 ft., over SE. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S 11 $\frac{1}{4}$ S 12
1921

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor. Continue ascent, 35 ft.
45.00 Spur, slopes E. Desc. 105 ft.
65.00 Head of draw, 1.50 chs. wide, course W. Asc. gradual
S. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the

Completion of the Survey of the Subdivision of
T. 27 N., R. 14

Chains

ground, in a mound of stone, for cor. of secs. 1, 2,
11 and 12, marked on brass cap

T 27 N. R 14 W

S 2 | S 1
S 11 | S 12

1921

From which

A juniper, 6 ins. diam., brs. S. $58\frac{1}{2}^{\circ}$ W., 95 lks.
dist., marked T 27 N R 14 W S 11 B T.

No other trees within limits.

Land, rolling.

Soil, gravelly and rocky, 4th rate.

Timber, scattering juniper.

Undergrowth, scrub oak, quinine brush and rabbit brush.

S. $89^{\circ} 49'$ E., on a random line, bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.40 Fall 16 lks. N. of the cor. of secs. 1 and 12, on the E.
bdy. of Tp., hereinbefore described.

Thence

N. $89^{\circ} 42'$ W., on a true line, bet. secs. 1 and 12.

Over nearly level land, through scattering timber and
undergrowth.

40.20 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 1
S 12
1921

From which

A juniper, 20 ins. diam., brs. N. 15° W., 73 lks.
dist., marked $\frac{1}{4}$ S 1 B T.

A juniper, 16 ins. diam., brs. S. 54° W., 406 lks.
dist., marked $\frac{1}{4}$ S 12 B T.

80.40 The cor. of secs. 1, 2, 11 and 12.

Land, nearly level.

Soil, gravelly and sandy loam, 3rd rate.

Timber, juniper.

Undergrowth, rabbit brush, scrub oak and cactus.

N. $0^{\circ} 1'$ W., on a random line, bet. secs. 1 and 2.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

52.15 Impracticable to chain from this point. Set a flag ahead
on random line at the cor. of secs. 1, 2, 35 and 36,
on the N. bdy. of Tp. From this flag, measure a base
S. $89^{\circ} 59'$ W., 5.00 chs. to "A" and 8.00 chs. to "B".
From the 52.15 ch. point, flag "A" brs. N. $9^{\circ} 58'$ W.,
and flag "B" brs. N. $15^{\circ} 43'$ W. In the first triangle,
the three angles are $9^{\circ} 57'$, $80^{\circ} 3'$, and 90° , the sum of

which is 180° . In the
second triangle, the
three angles are $15^{\circ} 42'$,
 $74^{\circ} 28'$ and 90° , the
sum of which is 180° .

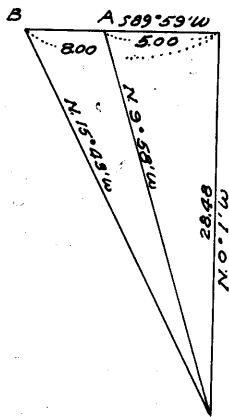
In the first triangle,
the distance triangulated is given by cot.
 $9^{\circ} 57' \times 5.00$ chs. =

$5.70037 \times 5.00 = 28.50$

chs. In the second
triangle the distance
triangulated is given
by cot. $15^{\circ} 42' \times 8.00$

$= 3.55761 \times 8.00 = 28.46$

The mean of these two



Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains distances is 28.48 chs., which added to 52.15 chs. gives
80.63 Fall 47 lks. W. of the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of Tp., hereinbefore described.

Thence

S. $0^{\circ} 19'$ W., on a true line, bet. secs. 1 and 2. Over mountainous land, through scattering timber and undergrowth.

Ascend, distance by triangulation.

28.45 Rim of canyon, brs. E. and W. Thence by chaining. Asc. 190 ft.

40.63 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, with marked (X) stone, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 2 | S 1
 1921

From which

A blue limestone ledge, 4 x 3 x 3 ft. above ground, brs. N. 49° E., 33 lks. dist., marked cross (X) B-O 1.

No other bearing objects available.

Continue ascent, 395 ft.

54.15 Top of high butte, brs. E. and W. Round topped butte brs. N. 75° E. Desc. 275 ft.

80.63 The cor. of secs. 1, 2, 11 and 12.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, scrub oak, quinine brush and rabbit brush.

From the cor. of secs. 34 and 35, on the S. bdy. of Tp., described in Book "AM."

N. $0^{\circ} 1'$ W., bet. secs. 34 and 35.

Over rolling land, through heavy timber and scattering undergrowth. Desc. 25 ft.

15.00 Leave timber, brs. E. and W. Thence over level land.

18.70 Ravine, 12 lks. wide, course E.

22.80 Road brs. E. to Meriwhitica Canyon and W. to Clay Springs.

24.00 Enter timber, brs. E. and W. Asc. 35 ft.

35.00 Desc. 20 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 34 | S 35
 1921

From which

A juniper, 24 ins. diam., brs. S. $79\frac{3}{4}^{\circ}$ E., 121 lks. dist., marked $\frac{1}{4}$ S 35 B T.

A juniper, 30 ins. diam., brs. S. $74\frac{1}{2}^{\circ}$ W., 231 lks. dist., marked $\frac{1}{4}$ S 34 B T.

Continue descent, 30 ft.

46.00 Ravine, 10 lks. wide, course E. Asc. 290 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap

T 27 N R 14 W
 S 27 | S 26
 S 34 | S 35
 1921

From which

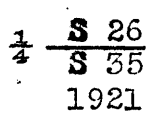
A pinyon, 16 ins. diam., brs. N. 79° E., 132 lks. dist., marked T 27 N R 14 W S 26 B T.

Completion of the Survey of the Subdivision of T. 27 N., R. 14 W. **BOOK 3500**

Chains. A pinyon, 14 ins. diam., brs. S. 25° E., 160 lks. dist., marked T 27 N R 14 W S 55 B T.
 A pinyon, 12 ins. diam., brs. S. 36° W., 284 lks. dist., marked T 27 N R 14 W S 54 B T.
 A juniper, 10 ins. diam., brs. N. 66½° W., 92 lks. dist., marked T 27 N R 14 W S 27 B T.

Land, rolling.
 Soil, clay and loam, rocky, 3rd and 4th rates.
 Timber, juniper and pinyon.
 Undergrowth, quinine brush, scrub oak and cactus.
 Fair grazing.

East, on a random line, bet. secs. 26 and 35.
 40.00 Set temp. ¼ sec. cor.
 80.14 Intersect N. and S. line, 25 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence N. 89° 50' W., on a true line, bet. secs. 26 and 35.
 Over rolling land, through scattering timber and undergrowth. Desc. 40 ft.
 15.15 Ravine, 30 lks. wide, course S. 50° E. Asc. 55 ft.
 35.00 Low hill. Desc. 30 ft.
 40.07 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



From which
 A juniper, 8 ins. diam., brs. N. 11° W., 41 lks. dist., marked ¼ S 26 B T.
 A juniper, 30 ins. diam., brs. S. 19° W., 128 lks. dist., marked ¼ S 35 B T.

Continue descent.
 45.15 Leave timber and enter flat, brs. NW. and SE.
 48.15 Ravine, 20 lks. wide, course SE.
 53.15 Enter timber, brs. N. and S. Asc. 325 ft.
 72.55 Spur, slopes SE. Desc. 55 ft.
 80.14 The cor. of secs. 26, 27, 34 and 35.
 Land, level and rolling.
 Soil, rocky, 4th rate.
 Undergrowth, quinine brush, scrub oak and cactus.
 Timber, juniper and pinyon.
 Fair grazing.

N. 0° 1' W., bet. secs. 26 and 27.
 Over mountainous land, through scattering timber and undergrowth. Asc. 30 ft.
 2.75 Spur, slopes SE. Desc. 70 ft.
 11.00 Draw, course E. Thence along E. slope.
 16.20 Head of draw, course E. Asc. 125 ft.
 18.93 Point of spur, slopes E. Desc. 145 ft.
 30.00 Draw, course SE. Asc. 190 ft.
 38.90 Spur, slopes N. 60° E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



From which
 A pinyon, 8 ins. diam., brs. S. 24½° E., 120 lks. dist., marked ¼ S 26 B T.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains A juniper, 10 ins. diam., brs. S. $54\frac{3}{4}^{\circ}$ W., 125
lks. dist., marked $\frac{1}{4}$ S 27 B T.
Desc. 260 ft.
64.00 Gulch, 30 lks. wide, course NW. Asc. 125 ft.
77.82 Spur, slopes NW. Desc.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 22, 23, 26 and 27, mark-
ed on brass cap

T 27 N	R 14 W
S 22	S 23
S 27	S 26

1921

From which

A juniper, 6 ins. diam., brs. N. $47\frac{1}{2}^{\circ}$ E., 22 lks.
dist., marked T 27 N R 14 W S 25 B T.
A juniper, 8 ins. diam., brs. S. 52° E., 90 lks.
dist., marked T 27 N R 14 W S 26 B T.
A juniper, 10 ins. diam., brs. S. 74° W., 73 lks.
dist., marked T 27 N R 14 W S 27 B T.
A juniper, 10 ins. diam., brs. N. $57\frac{1}{2}^{\circ}$ W., 27 lks.
dist., marked T 27 N R 14 W S 22 B T.
Land, rolling and mountainous.
Soil, rocky clay, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak and cactus.
Fair grazing.

S. $89^{\circ} 50'$ E., on a random line, bet. secs. 25 and 26.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
23, 24, 25 and 26.
Thence,
N. $89^{\circ} 54'$ W., on a true line, bet. secs. 23 and 26.
Over rolling mountainous land, through scattering timber
and undergrowth. Asc. 65 ft.
10.30 Spur, slopes NE. Desc. 210 ft.
22.30 Natural hole in ground, 20 ft. in diam. Impossible to
estimate depth.
24.50 Ravine, course N. Asc. 25 ft.
39.95 Set an iron post, 3 ft. long, 1 in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 23
S 26

1921

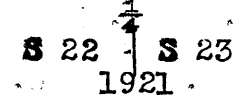
From which

A juniper, 10 ins. diam., brs. N. 67° W., 127
lks. dist., marked $\frac{1}{4}$ S 23 B T.
A juniper, 20 ins. diam., brs. S. 21° W., 122
lks. dist., marked $\frac{1}{4}$ S 26 B T.
Thence along S. edge of small flat.
53.80 Saddle in ridge, brs. N. and S. Desc. 45 ft.
61.40 Ravine, 30 lks. wide, course N. Asc. 205 ft.
75.90 Spur, slopes NE. Desc. 20 ft.
79.90 The cor. of secs. 22, 23, 26 and 27.
Land, rolling mountainous.
Soil, sandy and rocky, 3rd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, quinine brush, scrub oak, dogwood and cactus.
Fair grazing.

N. $0^{\circ} 1'$ W., bet. secs. 22 and 23.
Over rolling mountainous land, through scattering timber

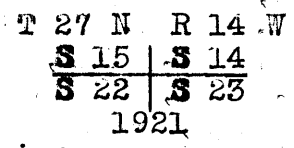
Completion of the Survey of the Subdivision of T. 27 N., R. 14 W.

Chains and undergrowth. Desc. 50 ft.
 7.00 Ravine, course E. Asc.
 11.60 Spur, slopes NE. Desc. 240 ft.
 29.10 Ravine, 30 lks. wide, course NW. Asc. 30 ft.
 35.00 Desc. 15 ft.
 39.00 Ravine, course N. 10° W., from E. Asc. 15 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in a mound of stone, for 1/4 sec. cor., marked on brass cap



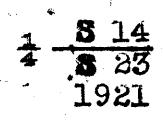
From which
 A juniper, 10 ins. diam., brs. N. 38° E., 120 lks. dist., marked 1/4 S 23 B T.
 A juniper, 8 ins. diam., brs. () 55 1/2° W., 76 lks. dist., marked 1/4 S 22 B T.

Continue ascent, 35 ft.
 46.70 Thence along W. slope.
 62.00 Desc. 135 ft.
 68.80 Ravine, course NW.
 76.00 Ravine, course NW. Asc. 40 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with marked (X) stone, for cor. of secs. 14, 15, 22 and 23; and raise a mound of stone around post, with brass cap marked



Land, rolling mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, quinine brush, scrub oak and cactus.
 Fair grazing.

S. 89° 54' E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. 1/4 sec. cor.
 80.00 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 13, 14, 23 and 24.
 Thence,
 West, on a true line, bet. secs. 14 and 23.
 Over rolling mountainous land, through scattering undergrowth. Desc. 175 ft.
 17.40 Ravine, course NW. Thence along N. slope.
 22.50 Ravine, 30 lks. wide, course N. 20° E. Asc. 90 ft.
 36.60 Spur, slopes N. Desc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



From which
 A juniper, 12 ins. diam., brs. N. 35° E., 110 lks. dist., marked 1/4 S 14 B T.
 A juniper, 16 ins. diam., brs. S. 45° W., 40 lks. dist., marked 1/4 S 23 B T.

Continue descent, 125 ft.
 55.20 Ravine, course N. Asc. 145 ft.
 69.50 Spur, slopes N. 20° E. Desc. 85 ft.
 80.00 The cor. of secs. 14, 15, 22 and 23.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Land, rolling mountainous.
Soil, rocky clay, 4th rate.
Timber, juniper and cedar.
Undergrowth, quinine brush, scrub oak, dogwood and cactus.
Fair grazing.

N. 0° 1' W., bet. secs. 14 and 15.
Over-rolling mountainous land, through scattering timber
and undergrowth. Desc. 90 ft.

16.00 Ravine, course NW. Asc. 40 ft.

20.60 Spur, slopes NW. Desc. 165 ft.

34.00 Ravine, .5 lks. wide, course NW. Asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S 15 | S 14
1921

From which

A juniper, 12 ins. diam., brs. N. 38 $\frac{1}{2}$ ° E., 431 lks.
dist., marked $\frac{1}{4}$ S 14 B T.

A juniper, 6 ins. diam., brs. S. 31° W., 110
lks. dist., marked $\frac{1}{4}$ S 15 B T.

Continue ascent, 45 ft.

52.00 Spur, slopes NW. Desc. 350 ft.

58.00 Rim of canyon, 70 ft. high, brs. N. 60° E., and S. 60° W.

59.05 Canyon, 20 lks. wide, course SW. Asc. 105 ft., over
rim, 50 ft. high, bearing NE. and SW.

64.10 Desc. into Meriwhitica Canyon.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., on bed rock,
with marked (X) stone, for cor. of secs. 10, 11, 14
and 15; and raise a mound of stone around post, with
brass cap marked

T 27 N R 14 W

S 10 | S 11

S 15 | S 14

1921

Land, rolling mountainous.
Soil, gravelly and rocky, 3rd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, rabbit brush, quinine brush, scrub oak and
cactus.

Impossible to chain the first part of the random line bet.
secs. 11 and 14. Set a flag ahead on a bearing N.

89° 59' E., from which a flag

15.90 chs. S. 0° 1' E. of the

cor. of secs. 10, 11, 14 and

15 brs. S. 58° 50' W. The

three angles of the triangle

are therefore 31° 9', 58° 51'

and 90°; the sum of which is

180°. The distance triangulated

is given by $\tan. 58° 51'$

$\times 15.90 = 1.65445 \times 15.9 =$

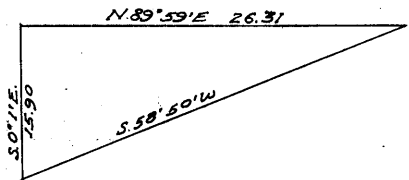
26.31 chs.

26.31 Thence South 0.01 chs. to the random line bet. secs. 11
and 14, and continue

East, on a random line, bet. secs. 11 and 14.

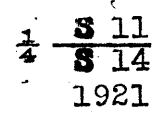
40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the cor. of secs. 11, 12, 13 and 14.



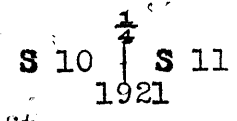
Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Thence,
West, on a true line, bet. secs. 11 and 14.
Over rolling mountainous land, through scattering timber
and undergrowth. Asc. 25 ft.
6.20 Spur, slopes NE. Desc. 180 ft.
24.00 Ravine, course SW. Asc. 105 ft.
32.60 Desc. 35 ft.
39.00 Ravine, course SW., from N. Asc.
40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

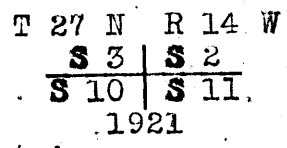


And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
of cor. Continue ascent, 60 ft.
45.40 Spur, slopes SW. Desc. 95 ft.
53.79 Rim of Meriwhitica Canyon, brs. NE. and SW. Continue by
triangulation, descending 670 ft.
80.10 The cor. of secs. 10, 11, 14 and 15.
Land, rolling mountainous.
Soil, gravelly and rocky, 3rd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, rabbit brush, quinine brush, scrub oak and
cactus.

N. $0^{\circ} 1'$ W., bet. secs. 10 and 11.
Over rolling mountainous land, through scattering timber
and undergrowth. Asc. 70 ft.
2.65 Spur, slopes W. Desc. 60 ft.
18.00 Asc. 280 ft.
24.30 Point of spur, slopes W. Desc. 290 ft.
32.00 Ravine, course W. Asc. 40 ft.
36.00 Point of spur, slopes W. Desc. 205 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground, on bed rock, with marked (X) stone, for $\frac{1}{4}$ sec.
cor.; and raise a mound of stone around post, with
brass cap marked

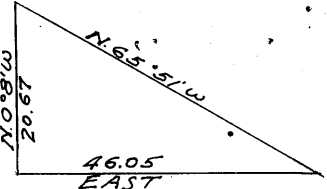


Continue descent, 440 ft.
50.00 Ravine, course NW. Asc. 15 ft.
59.00 Point of spur, slopes NW. Desc. 250 ft.
69.00 South bank of main wash, course N. 60° E.
76.00 North bank of wash. Asc. 50 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock
with cross (X) at exact cor. point, for cor. of secs.
2, 3, 10 and 11; and raise a mound of stone around
post, with brass cap marked



Land, rolling and mountainous.
Soil, gravelly and rocky, 4th rate.
No timber.
Undergrowth, buck brush, greasewood, scrub oak, prickly
ash and cat claw.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

- Chains The first part of the random line, bet. secs. 2 and 11 cannot be measured by chaining. By triangulation and chaining, as hereinafter described, I locate a point 20.67 chs. N. $0^{\circ} 8'$ W. of the cor. of secs. 2, 3, 10 and 11. From the cor. of secs. 2, 3, 10 and 11, set a flag to the East on the random line, from which flag set. 20.67 chs. N. $0^{\circ} 8'$ W., of the cor. of Secs. 2, 3, 10 and 11, brs. N. $65^{\circ} 51'$ W. The three angles of the triangle are therefore $24^{\circ} 9'$, $90^{\circ} 8'$ and $65^{\circ} 43'$, the sum of which is 180° . The distance triangulated is given by the sine proportion:
- 
- | | |
|------------------------------|---|
| X | $= \frac{\sin. 65^{\circ} 43' }{\sin. 24^{\circ} 9'}$ |
| $\frac{20.67}{\log. 20.67}$ | $= 1.315320$ |
| $\log. \sin. 65^{\circ} 43'$ | $= 9.959768$ |
| $\log. \sin. 24^{\circ} 9'$ | $= 9.611858$ |
| $\log. X$ | $= 1.663230$ |
| X | $= 46.05 \text{ chs.}$ |
- 46.05 Set temp. witness cor. to $\frac{1}{4}$ sec. cor., and continue East, on a random line, bet. secs. 2 and 11.
- 80.20 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 1, 2, 11 and 12.
- Thence,
N. $89^{\circ} 56'$ W., on a true line, bet. secs. 2 and 11.
Over rolling land, through scattering timber and undergrowth. Desc. 25 ft.
- 4.00 Small ravine, course S. Asc. 40 ft.
- 19.00 Spur, slopes S. 80° W. Desc. 70 ft.
- 34.16 Set an iron post, 3 ft. long, 1 in. diam., on bed rock in a mound of stone, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap
- WC $\frac{1}{4}$ $\frac{S}{S}$ 2
11
1921
- From which
A pinyon, 8 ins. diam., brs. N. 75° E., 64 lks. dist., marked WC $\frac{1}{4}$ S 2 B.T.
A pinyon, 4 ins. diam., brs. S. 5° W., 81 lks. dist., marked WC $\frac{1}{4}$ S 11 B.T.
- Thence by triangulation, descending into Meriwhitica Canyon.
- 40.10 The true point for $\frac{1}{4}$ sec. cor. is inaccessible.
- 80.20 The cor. of secs. 2, 3, 10 and 11.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, pinyon and juniper.
Undergrowth, quinine brush, scrub oak, dogwood and cactus
Fair grazing.

As it is impossible to chain the first part of the random line bet. secs. 2 and 3, set a flag at 1.00 ch. N. $0^{\circ} 8'$ W. of the cor. of secs. 2, 3, 10 and 11, and a flag N. $0^{\circ} 8'$ W., on the N. rim of Meriwhitica Canyon, from which I measure a base N. $64^{\circ} 52'$ E., 4.34 chs., - impracticable to secure longer base - from the E. end of which,

Completion of the Survey of the Subdivision of T. 27 N., R. 14 W.

Chains

first flag brs. S. 10° 12' W. The three angles of the triangle, are therefore 10° 20', 115° and 54° 40', the sum of which is 180°. The distance triangulated is given by the sine proportion:

$$\frac{X}{4.34} = \frac{\sin. 54^\circ 40'}{\sin. 10^\circ 20'}$$

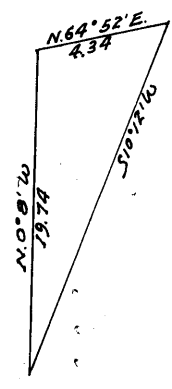
$$\log. 4.34 = 0.637490$$

$$\log. \sin. 54^\circ 40' = 9.911584$$

$$\log. \sin. 10^\circ 20' = 9.253761$$

$$\log. X = 1.295313$$

$$X = 19.74 \text{ chs.}$$



which added to 1.00 chs. gives

20.74 Thence S. 8° E., .07 chs. and set flag. Thence East 0.16 chs. to a point on the random line, N. 0° 19' E., 20.67 chs. from the cor. of secs. 2, 3, 10 and 11 and continue

N. 0° 19' E., on a random line, bet. secs. 2 and 3.

40.00 Set temp. 1/4 sec. cor.

60.49 Impossible to chain from this point. Set a flag ahead on line, at the cor. of secs. 2, 3, 34 and 35, and from the 60.49 ch. point, measure a base S. 70° 49' W., 4.00 chs. - impracticable to secure longer base - from W. end of which flag set ahead brs. N. 10° 17' E. The three angles of the triangle are 9° 58', 109° 30' and 60° 32', the sum of which is 180°.

The dist. triangulated is given by the sine proportion

$$\frac{X}{4.00} = \frac{\sin. 60^\circ 32'}{\sin. 9^\circ 58'}$$

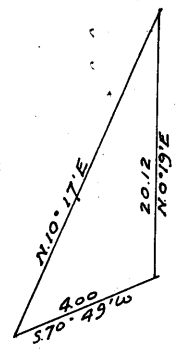
$$\log. 4.00 = 0.602060$$

$$\log. \sin. 60^\circ 32' = 9.939840$$

$$\log. \sin. 9^\circ 58' = 9.238235$$

$$\log. X = 1.303665$$

$$X = 20.12 \text{ chs.}$$



80.61 Fall 23 lks. E. of the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of Tp., hereinbefore described.

Thence

S. 0° 9' W., on a true line, bet. secs. 2 and 3.

Overmountainous land, through scattering timber and undergrowth, distance by triangulation. Asc.

20.12 Rim of canyon, brs. E. and W. Continue ascent, 120 ft.

38.60 Spur, slopes NE. Desc.

40.61 Set an iron post, 3. ft. long, 1 in. diam., on bed rock with marked (X) stone, for 1/4 sec. cor.; and raise a mound of stone around post, with brass cap marked.

S 3 1/2 S 2
1921

Continue descent, 125 ft.

52.60 Ravine, course S. Asc. 80 ft.

60.60 North rim of Meriwhitica Canyon, brs. N. 60° E., and S. 60° W. Desc. 810 ft., distance by triangulation.

72.60 (Approx.) Cottonwood spring brs. East, about 6 chs. dist.

80.61 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous and rolling.

Soil, rocky, 4th rate.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Timber, cedar and pinyon.
Undergrowth, quinine brush, scrub oak, dogwood and cactus.
Fair grazing.

From the cor. of secs. 33 and 34, on the S. bdy. of Tp.,
described in Book "A".

N. $0^{\circ} 2' W.$, bet. secs. 33 and 34.

Over-rolling land, through scattering timber and dense
undergrowth. Asc. 25 ft.

5.00 Desc. 35 ft.

14.10 Draw, course E. Asc. 90 ft.

31.70 Spur, slopes S. $45^{\circ} E.$ Desc. 15 ft., along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the
ground, on bed rock, in a mound of stone, for $\frac{1}{4}$ sec.
cor., marked on brass cap

$\frac{1}{4}$
 S 33 | S 34
 1921

From which

A cedar, 12 ins. diam., brs. N. $54^{\circ} E.$, 149 lks.
dist., marked $\frac{1}{4}$ S 34 B T.

A pine, 9 ins. diam., brs. S. $33^{\circ} W.$, 95 lks.
dist., marked $\frac{1}{4}$ S 33 B T.

Continue descent, 25 ft.

44.50 Draw, course SE. Asc. 165 ft.

57.00 Spur, slopes E. Desc. 60 ft.

67.70 Asc. 80 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the
ground, in a mound of stone, for cor. of secs. 27, 28,
33 and 34, marked on brass cap

T 27 N R 14 W
 S 28 | S 27
 S 33 | S 34
 1921

From which

A pine, 12 ins. diam., brs. N. $68\frac{1}{2}^{\circ} E.$, 64 lks.
dist., marked T 27 N R 14 W S 27 B T.

A pine, 8 ins. diam., brs. S. $36^{\circ} E.$, 52 lks.
dist., marked T 27 N R 14 W S 34 B T.

A pine, 5 ins. diam., brs. S. $25^{\circ} W.$, 48 lks.
dist., marked T 27 N R 14 W S 33 B T.

A pine, 12 ins. diam., brs. N. $35^{\circ} W.$, 85 lks.
dist., marked T 27 N R 14 W S 28 B T.

Land, rolling and mountainous.

Soil, rocky, 4th rate, limestone and lava formations.

Timber, pine and cedar.

Undergrowth, buck brush, sagebrush, scrub oak, cedar
Spanish dagger and cactus.

East, on a random line, bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect N. and S. line, 16 lks. N. of the cor. of secs.
26, 27, 34 and 35.

Thence

N. $89^{\circ} 53' W.$, on a true line, bet. secs. 27 and 34.

Over rolling and mountainous land, through scattering
undergrowth. Desc. 335 ft.

26.80 Draw, course south. Asc.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains
 29.80 Desc. 25 ft.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

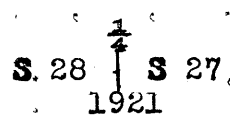
$\frac{1}{4}$ $\frac{S\ 27}{S\ 34}$
1921

From which
 A cedar, 8 ins. diam., brs. N. 10° W., 87 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 A pine, 8 ins. diam., brs. S. 30° W., 89 lks. dist., marked $\frac{1}{4}$ S 34 B T.

40.20 Draw, course SE. Asc. 300 ft.
 65.20 Spur, slopes SE. Desc. 85 ft.
 74.80 Asc. 30 ft.
 79.80 The cor. of secs. 27, 28, 33 and 34.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger and cactus.
 Fair grazing.

N. 0° 2' W., bet. secs. 27 and 28.
 Over-rolling and mountainous land, through scattering timber and undergrowth. Asc. 25 ft.

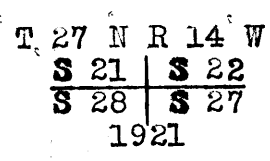
2.40 Spur, slopes W. Desc. 120 ft.
 20.00 Ravine, course N. Asc. 30 ft.
 27.00 Low spur, slopes W. Desc. 100 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on bed rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which
 A juniper, 9 ins. diam., brs. N. 52° E., 47 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 A pinyon, 6 ins. diam., brs. N. 21° W., 38 lks. dist., marked $\frac{1}{4}$ S 28 B T.

Continue descent, 70 ft.

47.00 Ravine, course NW. Asc. 90 ft.
 59.00 Spur, slopes NW. Desc. 140 ft.
 71.60 Ravine, course N. 20° W. Asc. 85 ft.
 80.00 Set an iron post, 3 ft. long, .2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 21, 22, 27 and 28, marked on brass cap



From which
 A juniper, 8 ins. diam., brs. N. 67 $\frac{1}{2}$ ° E., 191 lks. dist., marked T 27 N R 14 W S 22 B T.
 A juniper, 6 ins. diam., brs. S. 30 $\frac{1}{2}$ ° E., 113 lks. dist., marked T 27 N R 14 W S 27 B T.
 A juniper, 9 ins. diam., brs. S. 36° W., 92 lks. dist., marked T 27 N R 14 W S 28 B T.
 A juniper, 10 ins. diam., brs. N. 67 $\frac{3}{4}$ ° W., 226 lks. dist., marked T 27 N R 14 W S 21 B T.

Land, rolling and mountainous.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Soil, rocky clay, 4th rate.
Timber, juniper and pinyon.
Undergrowth, quinine brush, rabbit brush, scrub oak and cactus.

S. 89° 53' E., on a random line, bet. secs. 22 and 27.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.72 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
22, 23, 26 and 27.

Thence

N. 89° 51' W., on a true line, bet. secs. 22 and 27.
Over rolling and mountainous land, through scattering
timber and undergrowth. Asc.
0.70 Spur, slopes N. Desc. 200 ft.
14.70 Ravine, course N. 20° W. Asc. 200 ft.
24.70 Spur, slopes N. Desc. 180 ft.
37.70 Ravine, course N. Asc.
39.86 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap

$$\frac{1}{4} \frac{S 22}{S 27}$$

1921

From which

A pinyon, 6 ins. diam., brs. N. 40° E., 58 lks.
dist., marked $\frac{1}{4}$ S 22 B T.
A juniper, 8 ins. diam., brs. S. 70 $\frac{1}{2}$ ° E., 92 lks.
dist., marked $\frac{1}{4}$ S 27 B T.

Asc. 40 ft.

44.70 Desc. 15 ft.
68.70 Ravine, course N. Asc. 30 ft.
76.20 Spur, slopes N. Desc. 20 ft.
79.72 The cor. of secs. 21, 22, 27 and 28.

Land, rolling and mountainous.

Soil, rocky clay, 4th rate.

Timber, juniper and pinyon.

Undergrowth, buck brush, scrub oak and cactus.

N. 0° 2' W., bet. secs. 21 and 22.

Over rolling and mountainous land, through scattering
timber and undergrowth. Desc. 50 ft.

12.00 Ravine, course NW. Asc. 50 ft.
18.00 Low spur, slopes NW. Desc. 80 ft.
24.50 Ravine, course N. 20° W. Asc. 80 ft.
33.00 Spur, slopes N. Desc. 25 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$S 21 \frac{1}{4} S 22$$

1921

From which

A juniper, 8 ins. diam., brs. S. 33° E., 114 lks.
dist., marked $\frac{1}{4}$ S 22 B T.

A juniper, 12 ins. diam., brs. S. 71 $\frac{1}{2}$ ° W., 88
lks. dist., marked $\frac{1}{4}$ S 21 B T.

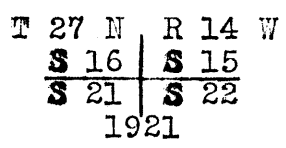
Continue descent, 115 ft.

55.00 Asc. 30 ft.
60.00 Low spur, slopes NE. Desc. 225 ft.
70.00 Canyon, course N. 10° E. Asc. 30 ft.
74.00 Thence along E. slope.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, with marked (X) stone, for cor. of secs. 15, 16, 21 and 22; and raise a mound of stone around post, with brass cap marked



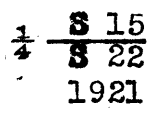
Land, rolling and mountainous...
Soil, rocky clay, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, rabbit brush, scrub oak and cactus.

40.00 S. 89° 51' E., on a random line, bet. secs. 15 and 22.
Set temp. 1/4 sec. cor.
79.70 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 14, 15, 22 and 23.

Thence,
N. 89° 58' W., on a true line, bet. secs. 15 and 22.
Over rolling and mountainous land, through scattering timber and undergrowth. Desc. 115 ft.

7.20 Ravine, course N. 20° W. Asc. 145 ft.
13.70 Spur, slopes N. 20° E. Desc. 35 ft.
21.70 Ravine, course N. 20° E. Asc. 155 ft.

39.85 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, with marked (X) stone, for 1/4 sec. cor.; and raise a mound of stone around post, with brass cap marked



Continue ascent.
40.20 Spur, slopes N. 20° E. Desc. 70 ft.
47.20 Thence over level bench.
57.40 Desc. 275 ft.
74.70 Junction of ravines from S. and SE., course N. 20° W., Asc. 100 ft.

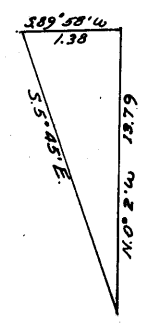
79.70 The cor. of secs. 15, 16, 21 and 22.
Land, rolling and mountainous.
Soil, rocky clay, 4th rate.
Timber, pinyon and juniper.
Undergrowth, buck brush, scrub oak, rabbit brush and cactus.

N. 0° 2' W., bet. secs. 15 and 16.
Over mountainous land, through scattering timber and undergrowth. Desc. 145 ft.

5.00 Ravine, course NW. Continue descent.
19.00 Asc. 120 ft.

29.00 Spur, slopes NW. Desc. 40 ft.
31.60 Impossible to chain from this point. Set a flag ahead on line, from which I measure a base S. 89° 58' W., 1.38 chs., from the W. end of which,

flag at the 31.60 ch. point brs. S. 5° 45' E. The three angles of the triangle are therefore 5° 45', 84° 17', and 90°, the sum of which is 180°. The distance triangulated is given by tan. 84° 17' X 1.38 = 9.98931 X 1.38 = 13.79 chs., which added to 31.60 chs., gives



Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains

- 45.39 Thence S. $0^{\circ} 2'$ E., 5.39 chs.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 16 \quad | \quad \text{S } 15 \\ \hline 1921 \end{array}$$

From which

A pinyon, 8 ins. diam., brs. N. 35° E., 81 lks. dist., marked $\frac{1}{4}$ S 15 B T.

A pinyon, 10 ins. diam., brs. N. $59\frac{1}{2}^{\circ}$ W., 184 lks. dist., marked $\frac{1}{4}$ S 16 B T.

The topography triangulated over is as follows:

- 33.29 Rim of canyon, 500 ft. high, brs. NE. and W.
45.39 Triangulation point, 575 ft. below 31.60 ch. point.
40.00 From this point offset West 5.64 chs. to avoid cliffs on line on E. side of canyon, and continue N. $0^{\circ} 2'$ W., on offset line, through sec. 16.
41.50 Wash; course NE.
51.00 Wash, 30 lks. wide, course NW.
58.60 Wash, course E.

64.10 From this point I run traverse line as follows:

N. $20\frac{3}{4}^{\circ}$ E. 18.96 chs.
South " 1.98 "
West " 1.08 " to a point 0.15

chs. S. $0^{\circ} 2'$ E. of the true point for cor. of secs. 9, 10, 15 and 16, where I

- 79.85 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground, with marked (X) stone, for witness cor. to cor. of secs. 9, 10, 15 and 16; and raise a mound of stone around post, with brass cap marked

$$\begin{array}{c} \text{W C} \\ \text{T } 27 \text{ N } \text{ R } 14 \text{ W} \\ \hline \text{S } 9 \quad | \quad \text{S } 10 \\ \hline \text{S } 16 \quad | \quad \text{S } 15 \\ \hline 1921 \end{array}$$

- 80.00 The true point for cor. of secs. 9, 10, 15 and 16 falls on point of bluff, 90 ft. high

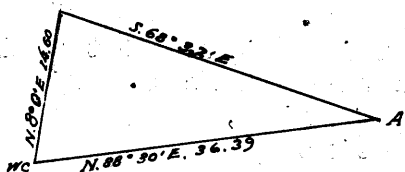
Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, buck brush, cat claw, locust and cactus.

Impossible to chain on line bet. secs. 10 and 15. From the witness cor. to cor. of secs. 9, 10, 15 and 16, 0.15 chs. S. $0^{\circ} 2'$ E. of the true point for cor., set flag "A" on a bearing N. $88^{\circ} 30'$ E., and from the witness cor. measure a base by triangulation as herein-



after described, N. 8° E. 14.60 chs., from the N. end of which, flag "A" brs. S. $68^{\circ} 32'$ E. The three angles of the triangle are therefore $76^{\circ} 32'$, $22^{\circ} 58'$ and $80^{\circ} 30'$, the sum of which is 180° . The distance triangulated is found from the sine proportion:

14.60

X

$$\frac{\sin. 76^{\circ} 32'}{\sin. 22^{\circ} 58'}$$

EOCK 37 3560

Completion of the Survey of the Subdivision of T. 27 N., R. 14 W.

Chains

$$\begin{aligned} \log. 14.60 &= 1.164353 \\ \log. \sin. 76^\circ 32' &= 9.987892 \\ & \quad \underline{1.152245} \\ \log. \sin. 22^\circ 58' &= 9.591282 \\ \log. X &= 1.560963 \\ X &= 36.39 \text{ chs. to a point} \end{aligned}$$

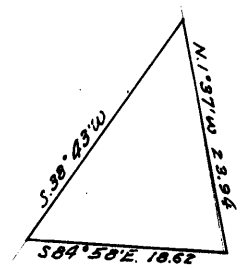
36.38 chs. East and 0.80 chs. N. of the true point for cor. of secs. 9, 10, 15 and 16.

Thence continue East on a random line, through sec. 10.

40.00 Set temp. witness cor. to 1/4 sec. cor.

61.15 Thence North 0.55 chs. From this point, the cor. of secs. 10, 11, 14 and 15 brs. S. 84° 58' E. From the cor. of secs. 10, 11, 14 and 15, measure a base N. 1° 37' W., 23.94 chs., from the N. end of which, flag at the 61.15 ch. point brs. S. 38° 43' W. The three angles of the triangle are therefore 56° 19', 40° 20' and 83° 21', the sum of which is 180°. The distance triangulated is given by the sine proportion:

$$\begin{aligned} \frac{X}{23.94} &= \frac{\sin. 40^\circ 20'}{\sin. 56^\circ 19'} \\ \log. 23.94 &= 1.379124 \\ \log. \sin. 40^\circ 20' &= 9.811061 \\ & \quad \underline{1.190185} \\ \log. \sin. 56^\circ 19' &= 9.920184 \\ \log. X &= 1.270001 \\ X &= 18.62 \text{ chs.} \end{aligned}$$



From these data, the course and distance of the mile bet. secs. 10 and 15 are found to be N. 89° 48' W. 79.70 chs.

From the cor. of secs. 10, 11, 14 and 15. N. 89° 48' W., on a true line, bet. secs. 10 and 15. Distance by triangulation and offset, topography approximate

8.00 Wash, course NW. Asc. along breaks of canyon rim.

39.85 The true point for 1/4 sec. cor. falls on rim of canyon, bearing E. and W. Thence North 0.80 chs., and

Set an iron post, 3 ft. long, 1 in. diam., on bed rock, with cross (X) at exact cor. point, for witness cor. to 1/4 sec. cor.; and raise a mound of stone around post, with brass cap marked

1/4 S 10
S 15
WC
1921

79.70 The true point for cor. of secs. 9, 10, 15 and 16.

Land, mountainous.

Soil, rocky, 4th rate.

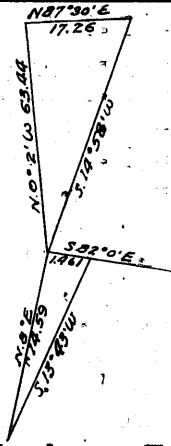
Timber, juniper and pinyon.

Undergrowth, palo verde, greasewood, scrub oak and buck brush.

From the witness cor. to cor. of secs. 9, 10, 15 and 16, set 0.15 chs. S. 0° 2' E. of the true point for cor., triangulate as follows: Set a flag ahead on a bearing N. 8° E., from which I measure a base S. 82° E., 1.461 chs.; from which, flag at the witness cor. brs. S. 13° 43' W.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains



The three angles of the triangle are therefore 5° 43', 90° and 84° 17', the sum of which is 180°. The distance triangulated is given by $\tan. 84^\circ 17' \times 1.461 = 9.98931 \times 1.461 = 14.59$ chs., which is 2.03 chs. E. and 14.30 chs. North of the true point for cor. of secs. 9, 10, 15 and 16.

From this point, triangulate as follows: Set a flag ahead on a bearing N. 0° 2' W., from which I measure a base N. 87° ½' E., 17.26 chs. From E. end of base, flag at N. point on last triangulation brs. S. 14° 58' W. The three angles of the triangle are 15°, 92° 57½' and 72° 2½', the sum of which is 180°. The distance triangulated is given

by the sine proportion:

$$\frac{X}{17.26} = \frac{\sin. 72^\circ 2\frac{1}{2}'}{\sin. 15^\circ}$$

$$\log. 17.26 = 1.237041$$

$$\log. \sin. 72^\circ 2\frac{1}{2}' = 9.978288$$

$$\log. \sin. 15^\circ = 9.412996$$

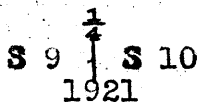
$$\log. X = 1.802353$$

$$X = 63.44 \text{ chs.}$$

which added to 14.30 chs., gives 77.74 chs.

From the point 14.30 chs. N. and 2.03 chs. East of the true point for cor. of secs. 9, 10, 15 and 16, measure west 2.04 chs. to the sec. line bet. secs. 9 and 10, 255 ft. above true point for cor., and continue N. 0° 2' W., bet. secs. 9 and 10.

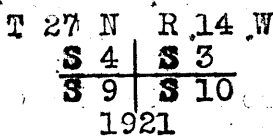
- Over mountainous land, through scattering timber and undergrowth. Desc. 310 ft.
- 22.50 Ravine, course S. 60° E. Trail brs. W. and S. 60° E. Asc. 65 ft.
- 27.58 Point of spur, slopes E. Desc. 320 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Thence by triangulation, distance approximate to topographical features.

- 45.00 Wash, 20 lks. wide, course E., in bottom of Meriwhitica Canyon. Asc.
- 70.00 North rim of canyon, brs. E. and W. Continue ascent.
- 77.74 (From triangulation point, measure West 2.04 chs. to this point.) Continue N. 0° 2' W., on sec. line, bet. secs. 9 and 10.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, with marked (X) stone, for cor. of secs. 3, 4, 9 and 10; and raise a mound of stone around post, with brass cap marked



Completion of the Survey of the Subdivision **BOOK** 3560
T. 27 N., R. 14 W.

Chains Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinyon and juniper.
Undergrowth, buck brush, greasewood and cat claw.

40.00 S. 89° 48' E., on a random line, bet. secs. 3 and 10.
Set temp. 1/4 sec. cor.

55.88 Impossible to chain from this point. Set a flag ahead on random line, at the cor. of secs. 2, 3, 10 and 11. From the 55.88 ch. point, measure a base N. 4° 33' W. 3.87 chs., from the N. end of which, flag brs. S. 80° 42' E. The three angles of the triangle are therefore 94° 45', 76° 9' and 9° 6', the sum of which is 180°. The distance triangulated is found from the sine proportion:

$$\frac{X}{3.87} = \frac{\sin. 76^\circ 9'}{\sin. 9^\circ 6'}$$

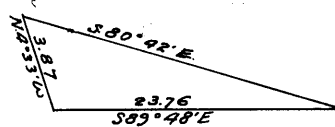
$$\log. 3.87 = 0.587711$$

$$\log. \sin. 76^\circ 9' = 9.987186$$

$$\log. \sin. 9^\circ 6' = 9.199091$$

$$\log. X = 1.375806$$

$$X = 23.76 \text{ chs.}, \text{ which added to } 55.88$$



79.64 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence N. 89° 50' W., on a true line, bet. secs. 3 and 10. Over mountainous land, through scattering timber and undergrowth.

Asc. 340 ft. out of Meriwhitica Canyon, distance by triangulation

23.76 Rim of canyon, brs. N. 10° E. and SW. Thence by chaining. Desc.

29.65 Continue descent, 75 ft.

35.65 Ravine, course S. Asc. 35 ft.

39.82 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with marked (X) stone, for 1/4 sec. cor.; and raise a mound of stone around post, with brass cap marked

$$\frac{1}{4} \frac{S 3}{S 10}$$

1921

Desc. 35 ft.

44.45 Asc. 85 ft.

57.85 Desc. 180 ft.

69.65 Ravine, course S. 20° W. Asc.

72.74 Spur, slopes S. 20° W. Desc.

75.65 Ravine, course S. Asc. 90 ft.

79.64 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush.

40.00 N. 0° 8' E., on a random line, bet. secs. 3 and 4.
Set temp. 1/4 sec. cor.

80.48 Fall 21 lks. E. of the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of Tp., hereinbefore described.

Thence, S. 0° 1' E., on a true line, bet. secs. 3 and 4.

Completion of the Survey of the Subdivision of
T. 27 N., R. 14 W.

Chains Over rolling land, through scattering timber, and under-
growth. Desc.
2.50 Ravine, course E. Asc. 35 ft.
10.75 Desc. 35 ft.
23.50 Ravine, course E. Asc. 100 ft.
40.48 Set an iron post, 3 ft. long, 1 in diam., 20 ins. in the
ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise
a mound of stone around post, with brass cap marked

$\frac{1}{4}$
 S 4 | S 3
 1921

Continue ascent, 30 ft.
54.50 Spur, slopes E. Desc. 85 ft.
70.50 Ravine, course S. 30° E. Thence along E. slope.
80.48 The cor. of secs. 3, 4, 9 and 10.
Land, rolling.
Soil, clay and loam, 3rd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak, prickly ash and
cactus.

From the cor. of secs. 32 and 33, on the S. bdy. of Tp.,
described in Book "A", N. 0° 3' W., bet. secs. 32 & 33.
Over rolling land, through scattering timber and under-
growth. Desc. 90 ft.

11.00 Road, brs. NW: to Clay Springs and SE. to Milkweed Springs.
15.00 Ravine, course W. Asc. 40 ft.
21.60 Spur, slopes W. Desc. 90 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 32 | S 33
 1921

From which

A pinyon, 6 ins. diam., brs. N. 86° E., 114 lks.
dist., marked $\frac{1}{4}$ S 33 B T.
A juniper, 16 ins. diam., brs. N. 76° W., 79 lks.
dist., marked $\frac{1}{4}$ S 32 B T.

Continue descent, 155 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
ground, in a mound of stone, for cor. of secs. 28, 29,
32 and 33, marked on brass cap

T 27 N R 14 W
 S 29 | S 28
 S 32 | S 33
 1921

From which

A pinyon, 6 ins. diam., brs. N. 29 $\frac{1}{2}$ ° E., 12 lks.
dist., marked T 27 N R 14 W S 28 B T.
A juniper, 8 ins. diam., brs. S. 61 $\frac{1}{2}$ ° E., 66 lks.
dist., marked T 27 N R 14 W S 33 B T.
A juniper, 10 ins. diam., brs. S. 70 $\frac{1}{2}$ ° W., 52 lks.
dist., marked T 27 N R 14 W S 32 B T.
A juniper, 8 ins. diam., brs. N. 41 $\frac{1}{2}$ ° W., 155 lks.
dist., marked T 27 N R.14 W S 29 B T.

Land, rolling.

Soil, gravelly and rocky, 3rd and 4th rates.

Completion of Survey of
Subdivision lines of Township 27 North Range 14 West 41

Chains.	<p>Timber, juniper and pinyon. Undergrowth, buck brush, scrub oak, rabbit brush and cactus.</p> <hr/>
40.00	<p>East, on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.12	<p>Intersect N. and S. line, 9 lks. S. of the cor. of secs. 27, 28, 33 and 34.</p>
	<p>Thence, S. $89^{\circ}56'$ W., on true line, bet. secs. 28 and 33.</p>
1.20	<p>Over rolling land, thru scattering timber and undergrowth. Ascend 20 ft.</p>
40.06	<p>Main divide, brs. NE. and SW. Descend 305 ft.</p>
	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p>
	<p style="text-align: center;"> $\frac{1}{4}$ S 28 S 33 1921 </p>
	<p>from which,</p>
	<p>A juniper, 8 ins. in diam., brs. N. 31° W., 82 lks. dist., marked $\frac{1}{4}$ S 28 BT.</p>
	<p>A pinyon, 10 ins. in diam., brs. S. 32° E., 95 lks. dist., marked $\frac{1}{4}$ S 33 BT.</p>
47.40	<p>Ascend 30 ft. Low spur, slopes N.</p>
51.10	<p>Descend 25 ft. Ravine, course N.</p>
61.60	<p>Ascend 85 ft. Thence along N. slope.</p>
77.60	<p>Spur, slopes N. Descend 25 ft.</p>
80.12	<p>The cor. of secs. 28, 29, 32 and 33. Land, rolling.</p>
	<p>Soil, rocky clay, 4th rate. Timber, juniper and pinyon.</p>
	<p>Undergrowth, buck brush, scrub oak and cactus.</p> <hr/>
	<p>N. $0^{\circ}3'$ W., bet. secs. 28 and 29. Over rolling land, thru heavy timber and scattering undergrowth.</p>
	<p>Descend 80 ft.</p>
7.00	<p>Point of spur, slopes NW. Continue descent. Trail brs. NW. and SE.</p>
15.70	<p>Ravine, course N. 60° E. Ascend 145 ft.</p>
30.00	<p>Spur, slopes E. Descend 60 ft. on spur, slopes N.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 32 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p>
	<p style="text-align: center;"> S 29 S 28 1921 </p>
	<p>from which;</p>
	<p>A pinyon, 20 ins. in diam., brs. N. $70\frac{1}{2}^{\circ}$ E., 221 lks. dist., marked $\frac{1}{4}$ S 28 BT.</p>
	<p>A juniper, 18 ins. in diam., brs. N. 13° W., 218 lks. dist., marked $\frac{1}{4}$ S 29 BT.</p>
40.10	<p>Three wire fence, brs. N. 15° E. and S. 15° W.</p>
59.00	<p>Spur, slopes N. 7° W. from S. Continue descent.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 20, 21, 28 and 29, marked on brass cap,</p>

Completion of the Survey
of the Subdivision lines of Township 27 North, Range 14 West.

Chains.

T27N	R14W
S20	S21
S29	S28
1921	

from which,
 A pinyon, 10 ins. diam., brs. N. 63° E., 61 lks.
 dist., marked T27N R14W S21 BT.
 A cedar, 8 ins. in diam., brs. S. 52 1/4° E., 169 lks.
 dist., marked T27N R14W S28 BT.
 A cedar, 6 ins. in diam., brs. S. 48° W., 123 lks.
 dist., marked T27N R14W S29 BT.
 A pinyon, 6 ins. in diam., brs. N. 12 1/2° W., 25 lks.
 dist., marked T27N R14W S20 BT.

Land, rolling.
 Soil, rocky clay, 4th rate.
 Timber, juniper and pinyon,
 Undergrowth, buck brush, scrub oak, rabbit brush and cactus.

40.00 N. 89° 56' E., on a random line, bet. secs. 21 and 28.
 Set temp. 1/4 sec. cor.
 80.06 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 21,
 22, 27 and 28.

Thence,
 S. 89° 48' W., on a true line, bet. secs. 21 and 28.
 Over rolling hills, thru. scattering timber and under-
 growth.

14.00 Descend 110 ft.
 Ravine, course N. 80° W.
 Ascend 75 ft.
 19.85 Descend 40 ft.
 24.00 Ravine, course N. 20° W.
 Ascend 140 ft.

40.03 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the
 ground, in a mound of stone, for 1/4 sec. cor., marked
 on brass cap,

1/4 S 21
S 28
1921

from which,
 A pinyon, 6 ins. in diam., brs. N. 52° E., 124 lks.
 dist., marked 1/4 S21 BT.
 A cedar, 8 ins. in diam., brs. S. 10° E., 42 lks.
 dist., marked 1/4 S 28 BT.

Continue ascent, 25 ft.
 57.95 Descend 60 ft.
 59.00 Ravine, course N. 20° W. Ascend 190 ft.
 62.03 Wire fence, brs. NE. and SW:
 80.06 The cor. of secs. 20, 21, 28 and 29.

Land, rolling and hilly.
 Soil, rocky clay, 4th rate.
 Timber, pinyon and cedar.
 Undergrowth, buck brush, scrub oak, manzanita and cactus.

22.00 N. 0° 3' W., bet. secs. 20 and 21.
 Over rolling and mountainous land, thru. scattering timber
 and undergrowth. Descend 255 ft.
 27.70 Ravine, course N. 60° W. Ascend 45 ft.
 Descend.
 35.00 Ravine, course W. Ascend 45 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in
 the ground, in a mound of stone, for 1/4 sec. cor., marked
 on brass cap,

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 43

Chains.

S20 | S21
1921

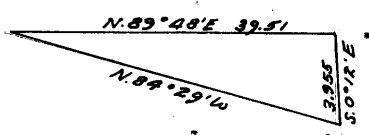
from which,
A pinyon, 8 ins. in diam., brs. S. 35° E., 25 lks.
dist., marked $\frac{1}{4}$ S 21 BT.
A pinyon, 10 ins. in diam., brs. N. 80° W., 71 lks.
dist., marked $\frac{1}{4}$ S 20 BT.

Continue ascent, 35 ft.
43.55 Descend 20 ft.
53.65 Ascend 25 ft.
58.05 Descend 260 ft.
73.00 Canyon, course N. 70° E. Thence along E. slope.
77.00 Ravine, course E.
Ascend 130 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in
the ground, with marked (x) stone, for cor. of secs.
16, 17, 20 and 21, and raise a mound of stone around
post, with brass cap, marked

T27N | R14W
S17 | S16
S20 | S21
1921

Land, rolling and mountainous.
Soil, rocky clay, 4th rate.
Timber, cedar and pinyon.
Undergrowth, buck brush, scrub oak, manzanita and cactus.

1.78 N. 89° 48' E., on a random line, bet. secs. 16 and 21.
Impossible to chain from this point. Set a flag ahead
on line, from which I measure a Base S. 0° 12' E., 3.955 chs.



Impracticable to secure longer
base, from the S. end of which,
flag at the 1.78 ch. point brs.
N. 84° 29' W. The three angles
of the triangle are therefore
5° 43', 90° 00' and 84° 17', the
sum of which is 180° 00'. The
distance triangulated is given
by tan: 84° 17' x 3.955 =
9.98931 x 3.955 = 39.51 chs.,
which added to 1.78 chs.
gives

41.29 Thence S. 89° 48' W., 1.29 chs. to
40.00 Set temp. $\frac{1}{4}$ sec. cor. Thence N. 89° 48' E., continuing random
line, bet. secs. 16 and 21.
79.96 Intersect N. and S. line, 33 lks. N. of the cor. of secs. 15,
16, 21 and 22.

Thence,
N. 89° 58' W., on true line, bet. secs. 16 and 21.
Over mountainous land, thru. scattering timber and under-
growth. Ascend 90 ft.

10.00 Spur, slopes N.
Descend 145 ft.
17.45 Ravine, course N. Ascend 160 ft.
39.00 Spur, slopes N. Descend.
39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 16
S 21
1921

Completion of the

44 Subdivision lines of Township 27 North, Range 14 West.

Chains.

from which,

A pinyon, 6 ins. in diam., brs. N. $7\frac{1}{2}^{\circ}$ W., 153 lks.
dist., marked $\frac{1}{4}$ S 16 BT.A pinyon, 8 ins. in diam., brs. S. 71° W., 204 lks.
dist., marked $\frac{1}{4}$ S 21 BT.From this point, distance by triangulation, with approxi-
mate topography.44.00 Rim rock; 90 ft. high, brs. NE. and SW. Thence along N.
slope.65.00 Rocky point slopes N. Descend over cliffs, 50 to 75 ft,
high.65.00 Canyon, 40 lks. wide, course NE.
Ascend 300 ft.

77.95 Rim rock, brs. NE. and SW.

79.96 The cor. of secs. 16, 17, 20 and 21.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, buck brush, scrub oak, prickly ash and cactus.

N. $0^{\circ}3'$ W., bet. secs. 16 and 17.

Over rolling land, thru. scattering timber and undergrowth.

Ascend 90 ft.

6.70 Spur, slopes N. 60° E.

Descend 140 ft.

30.00 Ascend 25 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 in. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

	$\frac{1}{4}$	
S17		S16

1921

from which,

A juniper, 10 ins. in diam., brs. N. 65° E., 140
lks. dist., marked $\frac{1}{4}$ S 16 BT.A juniper, 8 ins. in diam., brs. S. $32\frac{1}{2}^{\circ}$ W., 38
lks. dist., marked $\frac{1}{4}$ S 17 BT.40.50 Trail, brs. N. 60° E. and S. 70° W.42.00 Low spur, slopes N. 60° E.

Descend 320 ft.

75.50 Leave scattering timber, brs. E. and W.

79.60 Canyon, 30 lks. wide, course N. 70° E.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on bed rock,
marked cross (x) in a mound of stone, for cor. of secs.
8, 9, 16 and 17, marked on brass cap,

	T27N	R14W	
S 8		S 9	
S17		S16	

1921

from which,

A pinyon, 10 ins. diam., brs. S. 1° E., 252 lks.
dist., marked T27N R14W S16 BT.A pinyon, 12 ins. in diam., brs. S. $22\frac{3}{4}^{\circ}$ W., 92 lks.
dist., marked T27N R14W S17 BT.A pinyon, 14 ins. in diam., brs. N. $78\frac{1}{2}^{\circ}$ W., 61 lks.
dist., marked T27N R14W S8 BT.

No other trees within limits.

Land, rolling and mountainous.

Soil, rocky, loam and clay, 3rd and 4th rate.

Timber, pinyon and juniper.

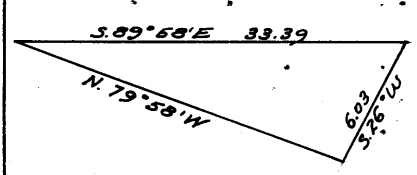
Undergrowth, buck brush, scrub oak and cactus.

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 45

Chains.

1.32

S. 89°58'E., on a random line, bet. secs. 9 and 16.
Impossible to chain from this point. Set a flag ahead on line, from which I measure a base S. 26°W., 6.03 chs.--impracticable to secure longer base. From end of base, flag at the 1.32 ch. point brs. N. 79°58'W. The three angles of the triangle are therefore 105°58', 10°00' and 64°2', the sum of which is 180°. The distance triangulated is given by the sine proportion:



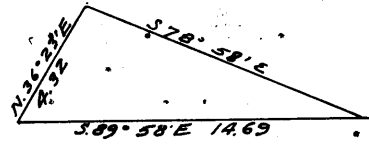
$$\frac{X}{6.03} = \frac{\sin 105^\circ 58'}{\sin 10^\circ}$$

log. 6.03 = 0.780317
 log. sin. 105°58' = 9.982914
 log. sin. 10° = 0.763231
 log. X = 9.239679
 log. X = 1.523561
 X = 33.39 chs., which added to

34.71
40.00
64.48

to 1.32 chs., gives
Continue S. 89° 58' E. on a random line, bet. secs. 9 and 16.
Set temp. 1/4 sec. cor.

Impossible to chain from this point. Set a flag ahead on line, and from the 64.48 ch. point, measure a base N. 36°23' E., 4.32 chs.--impracticable to secure longer base--from the N. end, of which flag brs. S. 73° 58' E.. The three angles of the triangle are therefore 16° 53' 39' and 110°21', the sum of which is 180°. The dist. triangulated is given by the sine proportion:



$$\frac{X}{4.32} = \frac{\sin 110^\circ 21'}{\sin 16^\circ}$$

log. 432 = 0.635484
 log. sin. 110°21' = 9.972011
 log. sin. 16° = 0.607495
 log. X = 9.440338
 log. X = 1.167157
 X = 14.69 chs., which added to 64.48 chs. gives

79.17

Continue S. 89°58'E., on a random line, bet. secs. 9 and 16.

80.02

Intersect N. and S. line, 12 lks. N. of the true point for cor. of secs. 9, 10, 15 and 16, witnessed at 0.15 chs. S. 0°2'E., as hereinbefore described.

From the true point for cor. of secs. 9, 10, 15 and 16, N. 89°53'W., on a true line, bet. secs. 9 and 16. Over mountainous land, thru. scattering timber and undergrowth.

0.85
15.64
22.50
39.82
40.01

Ascend 620 ft., over cliffs, distance by triangulation.

Continue ascent, 195 ft.

Thence across level top of spur, slopes NE.

Trail, brs. NE. and SW.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap,

1/2 S 9
S 16
1921.

from which,

A buck brush, 4 ins. in diam., brs. N. 22 1/2° E.,

Completion of the
Subdivision lines of Township 27 North, Range 14 West.

Chains.

73 lks. dist., marked B T.
A juniper, 10 ins. in diam., brs. S. 57½° W., 334
lks. dist., marked ¼ S 16 BT.
46.30 Rim of canyon, brs. NE. and SW., 100 ft. high. Thence by
triangulation.
77.00 Canyon, 20 lks. wide, course N. 60° E.
Ascend over series of cliffs.
80.02 The cor. of secs. 8, 9, 16 and 17.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak and cactus.

N. 0° 3' W., bet. secs. 8 and 9.
Over mountainous land, thru scattering timber and under-
growth.
Ascend 270 ft.
19.20 Spur, slopes N. 60° E.
Descend 275 ft.

35.57 Set an iron post, 3 ft. long, 1 in. in diam., on bed rock,
with cross (x) at exact cor. point for witness cor. to
¼ sec. cor., and raise a mound of stone around post,
with brass cap, marked

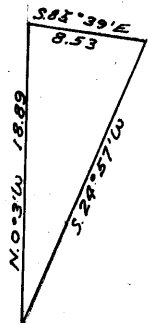
WC
S 8 | S 9

1921

from which,

A pinyon, 10 ins. diam., brs. S. 4½° W., 143
lks. dist., marked WC ¼ S 8 BT.

35.65 Rim of canyon, 800 ft. deep. Rim brs. E. and W. Impossible
to chain from this point. Set a flag ahead on line,



from which, measure a Base
S. 85° 39' E., 8.53 chs., from
the E. end of which, flag
at 35.57 chs, brs. S. 24° 57'
W. The three angles of
the triangle are therefore
25°, 85° 37' and 69° 23',
the sum of which is 180°.
The dist. triangulated is
given by the sine proportion:

$$\frac{x}{8.53} = \frac{\sin. 69^\circ 23'}{\sin. 25^\circ}$$

log. 8.53 = 0.930949
log. sin. 69° 23' = 9.971256
log. sin. 25° = 9.625948
log. X = 1.276257
X = 18.89 chs., which added to

35.57 chs., gives 54.46 chs.
40.00 The true point for ¼ sec. cor. falls in inaccessible
place.

54.46 North rim of canyon, brs. E. and W. Thence over level land.
Dist. by chaining.

60.56 Spur, slopes SE. Descend 140 ft.
72.00 Canyon, 3 chs. wide, course E. Ascend 110 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on bed rock
with cross (x) at exact cor. point, in a mound of
stone, for cor. of secs. 4, 5, 8 and 9, marked on brass
cap,

T27N R14W
S 5 | S 4
S 8 | S 9
1921

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 47

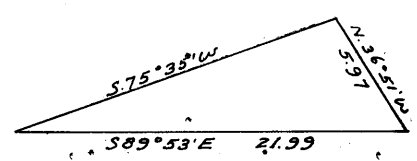
Chains.

from which,
A pinyon, 10 ins. in diam., brs. S. 13 1/4° W., 246 lks.
dist., marked T27N R14W S8 BT.
A pinyon, 8 ins. in diam., brs. N. 50° W., 220 lks.
dist., marked T27N R14W S5 BT.

No other trees within limits.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, rabbit brush, scrub oak and cactus.

40.00
44.82

S. 89° 53' E., on a random line, bet. secs. 4 and 9.
Set temp. 1/4 sec. cor.
Impossible to chain from this point. Set a flag ahead on line, from which I measure a base N. 36° 51' W., 5.97 chs., from N. end of which, flag at the 44.82 ch. point, brs. S. 75° 35' W. The three angles of the triangle are therefore, 14° 32', 112° 26' and 53° 2', the sum of which is 180°. The distance triangulated is given by the sine proportion:



$$\frac{X}{5.97} = \frac{\sin. 112^{\circ} 26'}{\sin. 14^{\circ} 32'}$$

log. 5.97 = 0.775974
log. sin. 112° 26' = 9.965824
0.741798
log. sin. 14° 32' = 9.399575
log. X = 1.342223
X = 21.99 chs., which added to 44.82

66.81
79.98

Thence continue,
S. 89° 53' E., on a random line, bet. secs. 4 and 9.
Intersect N. and S. line, 16 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence,
West, on a true line, bet. secs. 4 and 9.
Over rolling and mountainous land, thru. scattering timber and undergrowth.

2.00
13.20

Ascend 40 ft.
Spur, slopes S. Thence over rolling land.
Rim of canyon, series of cliffs, 600 ft. high, brs. NW. and SE. Canyon about 1000 ft. deep. Thence by triangulation.

35.16
39.99

Continue by chaining.
Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap,

$$\frac{1}{4} \frac{S \ 4}{S \ 9} = 1921$$

from which,
A pine, 18 ins. in diam., brs. N. 25 1/2° W., 108 lks.
dist., marked 1/4 S 4 BT.
A pine, 8 ins. in diam., brs. S. 80° W., 58 lks.
dist., marked 1/4 S 9 BT.

47.00
57.00
64.00
66.10
73.00

Ascend 40 ft.
Descend 15 ft.
Ascend 40 ft.
Descend 85 ft.
Canyon, course SE. Ascend 120 ft.
Spur, slopes SE. Descend 30 ft.

48. Completion of the
Subdivision lines of Township 27 North Range 14 West

Chains.	
79.98	The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, scrub oak, buck brush and cactus.

	N. 0° 2' W., on a random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.68	Fall 38 lks. E. of the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., hereinbefore described.
	Thence, S. 0° 18' E., on a true line, bet. secs. 4 and 5. Over rolling and mountainous land, thru scattering timber and undergrowth.
	Ascend 15 ft.
2.40	Descend 65 ft.
10.70	Ravine, course S. 70° E. Ascend 10 ft.
16.00	Descend 45 ft.
19.70	Ravine, course N. 80° E. Ascend 20 ft.
23.50	Descend 40 ft.
34.70	Ravine, course N. 70° E. Ascend 75 ft.
40.68	Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$S \ 5 \frac{1}{4} \ S \ 4$
	1921
	from which, A juniper, 6 ins. in diam., brs. N. 19 $\frac{3}{4}$ ° E., 73 lks. dist., marked $\frac{1}{4}$ S 4 BT. A pinyon, 10 ins. in diam., brs. S. 56 $\frac{1}{2}$ ° W., 150 lks. dist., marked $\frac{1}{4}$ S 5 BT.
	Continue ascent 50 ft.
51.75	Descend 65 ft.
59.35	Thence over slightly rolling land.
74.30	Descend 35 ft.
80.68	The cor. of secs. 4, 5, 8 and 9. Land; rolling and mountainous. Soil, rocky clay, 4th rate. Timber, juniper and pinyon. Undergrowth, buck brush; scrub oak, rabbit brush and cactus:

	The closing cor. of secs. 31 and 32, T: 27 N., R. 14 W. on the Hualpai Indian Reservation Bdy. is an iron post, 2 ins. in diam., set in a mound of stone, properly marked, wit- nessed by a mound of stone, S. of cor., and established 27.20 chs. N. 0° 1' E. of the cor. of secs. 5, 6, 31 and 32. On that part of the brass cap referring to the areas lying within the Hualpai Indian Reservation, I add the section numbers S31 and S32, and below the original date 1917 I add the year number 1921. I also efface the letters CC on the brass cap.
	Thence, N. 0° 3' W., bet. secs. 31 and 32, continuing measurement. Over rolling mountainous land, thru scattering timber and undergrowth.
	Ascend 110 ft.
12.80	(40.00 chs. N. 0° 3' W. of the cor. of secs. 5, 6, 31 and 32) Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

BOOK 3560

Completion of the
Subdivision lines of Township 27 North, Range 14 West.

49

Chains.

$$\frac{1}{4}$$

S31	S32
-----	-----

1921

from which,

A pine, 11 ins. in diam., brs. S. $64\frac{1}{2}^{\circ}$ E., 56 lks.
dist., marked $\frac{1}{4}$ S 32 BT.

A cedar, 5 ins. diam., brs. S. 32° W., 110 lks.
dist., marked $\frac{1}{4}$ S 31 BT.

Ascend 30 ft.

19.10 Descend 85 ft.

34.10 Ascend 205 ft.

49.10 Ridge, brs. E. and W.

Descend 15 ft.

52.80. (80.00 chs. N. $0^{\circ}3'$ W., bet. secs. 31 and 32) Set an iron
post, 3 ft. long, 2 ins. in diam., 24 ins. in the
ground, for cor. of secs. 29, 30, 31 and 32, marked on
brass cap,

T27N R14W

S30	S29
-----	-----

S31	S32
-----	-----

1921

from which,

A cedar, 12 ins. in diam., brs. N. $36\frac{1}{2}^{\circ}$ E., 138 lks.
dist., marked T27N R14W S29 BT.

A cedar, 7 ins. in diam., brs. S. 38° E., 67 lks.
dist., marked T27N R14W S32 BT.

A cedar, 9 ins. in diam., brs. S. $71\frac{1}{2}^{\circ}$ W., 72 lks.
dist., marked T27N R14W S31 BT.

A cedar, 7 ins. in diam., brs. N. 18° W., 215 lks.
dist., marked T27N R14W S30 BT.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, scrub oak, cedar, Spanish dagger,
and cactus.

Fair grazing.

East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.79.84 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 28, 29,
32 and 33.

Thence,

N. $89^{\circ}52'$ W., on a true line, bet. secs. 29 and 32.Over rolling, mountainous land, thru. scattering timber
and undergrowth.

Descend 20 ft.

3.20 Draw, course N. Ascend 95 ft.

13.50 Spur, slopes N. Descend 40 ft.

20.28 Draw, course NE. Ascend 15 ft.

25.28 Spur, slopes NE. Descend 60 ft.

27.08 Fence brs. NE. and SW.

32.18 Draw, course NE. Ascend 60 ft.

39.92 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap,

$\frac{1}{4}$ S 29	
--------------------	--

S 32	
------	--

1921

from which,

A pine, 14 ins. in diam., brs. N. $14\frac{3}{4}^{\circ}$ W., 78 lks.
dist., marked $\frac{1}{4}$ S 29 BT.

A pine, 12 ins. in diam., brs. S. $43\frac{1}{4}^{\circ}$ W., 115 lks.
dist., marked $\frac{1}{4}$ S 32 BT.

Continue ascent 30 ft.

44.50 Spur, slopes N. Desc. 45 ft. thru. heavy timber & undergrowth.

54.50 Ascend 270 ft.

Completion of the
50 Subdivision lines of Township 27 North, Range 14 West.

Chains.

79.84 The cor. of secs. 29, 30, 31 and 32.
Land, rolling, mountainous.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

West, on a random line, bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

44.33 Call 15 lks. N. of the closing cor. of secs. 30 and 31, on the Hualpai Indian Reservation Boundary, which is an iron post, 2 ins. in diam., set in a mound of stone, properly marked, witnessed by a mound of stone, W. of cor., and established 36.05 chs. E. of the cor. of secs. 25, 30, 31 and 36. On that part of the brass cap referring to the areas lying within the Hualpai Indian Reservation, I add the section numbers S30 and S31, and below the original date 1917, I add the year number 1921.

Thence,

East, on a true line, bet. secs. 30 and 31.

Over rolling, mountainous land, thru. scattering timber and dense undergrowth.

4.14 (40.19 chs. East of the cor. of secs. 25, 30, 31 and 36) Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a mound of stone around post, with brass cap, marked

$\frac{1}{4}$ S 30
S 31
1921

Thence,

N. 89° 47' E., on a true line, continuing measurement.

Ascend 30 ft.

6.55 Descend 60 ft.

13.75 Ascend 245 ft.

29.35 Descend 45 ft.

44.33 (80.38 chs. from the cor. of secs. 25, 30, 31 and 36) The cor. of secs. 29, 30, 31 and 32.

Land, rolling, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pine.

Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

N. 0° 3' W., bet. secs. 29 and 30.

Over mountainous land, thru. scattering timber and dense undergrowth.

Descend 295 ft.

14.20 Draw, course NE. Ascend 50 ft.

25.00 Descend 65 ft.

34.50 Ascend 15 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S30 | S29
1921

from which,

A cedar, 12 ins. in diam., brs. S. 88 $\frac{1}{4}$ ° E., 99 lks. dist., marked $\frac{1}{4}$ S 29 BT.

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 51

Chains.

A cedar, limb; 6 ins. in diam., brs. N. $67\frac{3}{4}^{\circ}$ W., 70 lks. dist., marked $\frac{1}{4}$ S 30 BT.
 Descend 170 ft.
 61.60 Draw, course NE. Ascend 60 ft.
 71.60 Spur, slopes NE. Descend 25 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

T27N | R14W
 S19 | S20
 S30 | S29
 1921

from which,
 A cedar, 7 ins. in diam., brs. N. $67\frac{1}{2}^{\circ}$ E., 28 lks. dist., marked T27N R14W S20 BT.
 A cedar, 8 ins. in diam., brs. S. $40\frac{1}{4}^{\circ}$ E., 140 lks. dist., marked T27N R14W S29 BT.
 A cedar, 18 ins. diam., brs. S. $26\frac{1}{2}^{\circ}$ W., 141 lks., dist., marked T27N R14W S30 BT.
 A cedar, 5 ins. in diam., brs. N. 8° W., 36 lks. dist., marked T27N R14W S19 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

40.00 S. $89^{\circ}52'$ E., on a random line, bet. secs. 20 and 29.
 79.64 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 20, 21, 28 and 29.

Thence,
 N. $89^{\circ}45'$ W., on a true line, bet. secs. 20 and 29.
 Over rolling, mountainous land, thru. scattering timber and dense undergrowth.

Ascend 20 ft.
 2.00 Short spur, slopes N. Descend 215 ft.
 22.66 Ravine, course N. Ascend 105 ft.
 30.00 Spur, slopes N. 20° E.
 Descend 50 ft.
 35.10 Ravine, course N. 20° E.
 Ascend 50 ft.
 39.82 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 20
 S 29
 1921

from which,
 A cedar, 14 ins. in diam., brs. N. $64\frac{1}{2}^{\circ}$ W., 83 lks. dist., marked $\frac{1}{4}$ S 20 BT.
 A cedar, 12 ins. in diam., brs. S. $49\frac{1}{2}^{\circ}$ E., 68 lks. dist., marked $\frac{1}{4}$ S 29 BT.

Ascend 80 ft.
 41.45 Trail, brs. N. and S.
 49.65 Descend 25 ft.
 59.19 Draw, course NE. Ascend 135 ft.
 74.65 Descend 15 ft.
 79.64 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling, mountainous.
 Soil, rocky, 4th rate. Timber, cedar and pine.
 Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.
 Fair grazing.

Completion of the
52 Subdivision lines of Township 27 North, Range 14 West.

Chains.	S. 89° 54' W., on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Fall 19 lks. S. of the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of Tp., hereinbefore described.
	Thence,
	S. 89° 58' E., on a true line, bet. secs. 19 and 30.
	Over rolling land, thru. scattering timber and undergrowth.
	Over N. slope.
10.90	Spur, slopes NE. Descend 90 ft.
17.12	Road, brs. NE. to Clay Springs and SW. to Milkweed Springs.
20.10	Draw, course NE. Ascend 15 ft.
25.00	Descend 40 ft.
35.10	Draw, course NE.
	Ascend.
40.12	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 19 S 30 1921
	from which,
	A cedar, 14 ins. in diam., brs. N. 75° W., 53 lks. dist., marked $\frac{1}{4}$ S 19 BT.
	A cedar, 13 ins. in diam., brs. S. 63° W., 91 lks. dist., marked $\frac{1}{4}$ S 30 BT.
	Continue ascent, 105 ft.
52.10	Descend 40 ft.
70.10	Draw course NE.
	Ascend 60 ft.
80.12	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling.
	Soil, rocky, 4th rate.
	Timber, pine and cedar.
	Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

	N. 0° 3' W., bet. secs. 19 and 20.
	Over rolling land, thru. scattering timber and dense undergrowth. Descend 250 ft.
29.55	Trail, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S19 S20 1921
	from which,
	A cedar, 16 ins. in diam., brs. N. 78° E., 141 lks. dist., marked $\frac{1}{4}$ S 20 BT.
	A cedar, 8 ins. in diam., brs. N. 54° W., 93 lks. dist., marked $\frac{1}{4}$ S 19 BT.
41.00	Gulch, 30 lks. wide, course NE. Ascend 125 ft.
43.80	Cliff, 25 ft. high, brs. NE. and SW. Thence over rolling land.
60.50	Descend 35 ft.
64.30	Draw, course NE.
	Ascend 20 ft.
65.50	Descend 130 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,
	T27N R14W S18 S17 S19 S20 1921

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 53

Chains.

from which,
A cedar limb, 5 ins. in diam., brs. N. 23 $\frac{1}{2}$ ° E., 504 lks. dist., marked T27N R14W S17 BT.
A cedar, 10 ins. in diam., brs. S. 89 $\frac{1}{2}$ ° E., 49 lks. dist., marked T27N R14W S20 BT.
A cedar limb, 6 ins. in diam., brs. S. 17 $\frac{1}{4}$ ° W., 309 lks. dist., marked T27N R14W S19 BT.
A cedar, 18 ins. in diam., brs. N. 11° W., 479 lks. dist., marked T27N R14W S18 BT.

Land, rolling.
Soil, rocky, 4th rate.
Timber, cedar and pine.
Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

40.00
79.66

S. 89° 45' E., on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 16 lks. S. of the cor. of secs. 16, 17, 20 and 21.

0.90
9.00
24.00
38.50
39.83

Thence,
N. 89° 52' W., on a true line, bet. secs. 17 and 20.
Over rolling land, thru. scattering timber and dense undergrowth.

Ascend 10 ft.
Descend 60 ft.
Ravine, course S. Ascend 140 ft.
Thence over level land.
Descend 15 ft.
Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
S 20
1921

from which,
A cedar, 9 ins. in diam., brs. N. 68° E., 68 lks. dist., marked $\frac{1}{4}$ S 17 BT.
A cedar, 6 ins. in diam., brs. S. 84 $\frac{1}{2}$ ° W., 120 lks. dist., marked $\frac{1}{4}$ S 20 BT.

42.60
48.30
53.30
56.10
70.45
71.30
76.55
79.66

Gulch, course SE. Ascend 110 ft.
Descend 75 ft.
Center of wash, course NE.
Leave wash; thence along S. slope.
Wash, course SE. from SW.
Top of cliff, 15 ft. high, brs. NE and SW.
Ascend 60 ft.
Same wash, course SE.
The cor. of secs. 17, 18, 19 and 20,
Land, rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus.

40.00
80.06

N. 89° 58' W., on a random line, bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.
Fall 21 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., hereinbefore described.

40.06

Thence,
N. 89° 53' E., on a true line, bet. secs. 18 and 19.
Over rolling land, thru. scattering timber and dense undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

Completion of the
Subdivision lines of Township 27 North, Range 14 West.

54

Chains.

$\frac{1}{4}$ S 18
S 19
1921

from which,
A cedar, 8 ins. in diam., brs. N. $40\frac{1}{2}^\circ$ W., 36 lks.
dist., marked $\frac{1}{4}$ S 18 BT.
A cedar, 20 ins. in diam., brs. S. 46° E., 42 lks.
dist., marked $\frac{1}{4}$ S 19 BT.

Descend 55 ft.
52.95 Trail, brs. NE. and SW.
55.55 Draw, course NE. Ascend 55 ft.
59.95 Descend 55 ft.
70.55 Gulch, course SE. Ascend 25 ft.
73.15 Descend 25 ft.
77.95 Same gulch, 30 lks. wide, course NE. Ascend.
80.06 The cor. of secs. 17, 18, 19 and 20.
Land, rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, sage brush, scrub oak, cedar, Spanish dagger and cactus.

N. $0^\circ 3'$ W., bet. secs. 17 and 18.
Over rolling land, thru. scattering timber and dense undergrowth.

Descend.
1.60 Gulch, course E. Ascend 90 ft.
5.00 Bluff, brs. E. and W.
10.00 Descend 45 ft.
12.60 Enter flat brs. E. and W.
27.60 Draw, course NE. Leave flat; ascend 115 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S 18 | S 17
1921

from which,
A cedar, 10 ins. in diam., brs. N. 89° E., 100 lks.
dist., marked $\frac{1}{4}$ S 17 BT.
A cedar, 14 ins. in diam., brs. S. 83° W., 84 lks.
dist., marked $\frac{1}{4}$ S 18 BT.

Descend 190 ft.
61.10 Trail, brs. NE. and SW.
63.70 Ascend 40 ft.
68.75 Point of spur, slopes SE. Descend 30 ft.
71.15 Draw, course SE. Ascend 15 ft.
75.55 Descend 15 ft.
76.80 Same draw, course SW.
79.60 Same draw, course SE. Trail in draw, brs. NW. and SE.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T27N R14W
S 7 | S 8
S 18 | S 17
1921

from which,
A cedar, 10 ins. in diam., brs. N. $78\frac{3}{4}^\circ$ E., 41 lks.
dist., marked T27N R14W S8 BT.
A pine, 10 ins. in diam., brs. S. 1° E., 76 lks.
dist., marked T27N R14W S17 BT.
A pine, 9 ins. in diam., brs. S. $70\frac{1}{4}^\circ$ W., 69 lks.
dist., marked T27N R14W S18 BT.

Completion of the
Subdivision lines of Township 27 North, Range 14 West. 55

Chains.

A cedar, 14 ins. in diam., brs. N. 78 $\frac{3}{4}$ ° W., 88 lks. dist., marked T27N R14W S7 BT.
Land, rolling.
Soil, rocky, 3rd and 4th rate; limestone formation.
Timber, cedar and pinyon.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.

40.00 S. 89° 52' E., on a random line, bet. secs. 8 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 8, 9, 16 and 17.
Thence,
N. 89° 50' W., on a true line, bet. secs. 8 and 17.
Over rolling and mountainous land, thru. scattering timber and dense undergrowth.
Descend 50 ft.
1.20 Canyon, 30 lks. wide, course SE.
Ascend 115 ft.
3.60 Descend 30 ft.
7.90 Mouth of deep gulch, course N. Ascend 105 ft.
12.00 Descend 10 ft.
12.60 Ascend 45 ft.
21.10 Point of cliff, 10 ft. high, brs. NE. Descend 70 ft.
24.90 Ascend 65 ft.
34.90 Descend 30 ft.
39.95 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 8
S 17
1921

from which,
A cedar, 5 ins. in diam., brs. N. 13 $\frac{1}{2}$ ° W., 104 lks. dist., marked $\frac{1}{4}$ S 8 BT.
A pine, 12 ins. in diam., brs. S. 57° E., 77 lks. dist., marked $\frac{1}{4}$ S 17 BT.

Ascend 15 ft.
41.00 Descend 25 ft.
54.20 Gulch, course NE. Thence along S. slope.
66.50 Ascend 35 ft.
69.70 Descend 15 ft.
73.40 Draw, course S. Ascend 15 ft.
76.90 Spur, slopes S. Descend 60 ft.
79.90 The cor. of secs. 7, 8, 17 and 18.
Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rate.
Timber, cedar and pinyon.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.

40.00 S. 89° 53' W., on a random line, bet. secs. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.
79.80 Fall 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., hereinbefore described.
Thence,
N. 89° 50' E., on a true line, bet. secs. 7 and 18.
Over rolling land, thru. scattering timber and dense undergrowth,
10.00 Descend 105 ft., over rolling land.
21.00 Draw, course NE.
Ascend 25 ft.
30.50 Descend 15 ft.
39.80 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, in a mound of stone; for $\frac{1}{4}$ sec. cor., marked on brass cap,

Completion of the
56 Subdivision lines of Township 27 North, Range 14 West.

Chains.

$\frac{1}{4}$ S 7
S 18
1921

from which,
A cedar, 10 ins. in diam., brs. N. $38\frac{3}{4}^{\circ}$ W., 95 lks.
dist., marked $\frac{1}{4}$ S 7 BT.
A cedar, 12 ins. in diam., brs. S. $13\frac{1}{4}^{\circ}$ W., 66 lks.
dist., marked $\frac{1}{4}$ S 18 BT.

79.30 Descend 240 ft.
79.55 Gulch, course SE.
79.80 Trail, brs. NW. and SE.
The cor. of secs. 7, 8, 17 and 18.
Land, slightly rolling and rolling.
Soil, rocky, 3rd and 4th rate; limestone formation.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush,
Spanish dagger, cedar and cactus.
Fair grazing.

9.60 N. $0^{\circ}3'$ W., bet. secs. 7 and 8.
14.80 Over rolling land, thru. scattering timber and dense
18.40 undergrowth.
23.35 Ascend 120 ft.
40.00 Spur, slopes SE.
Descend 45 ft.
Ascend
Spur, slopes SE.
Descend 40 ft.
Draw, course SE.
Ascend 145 ft.
Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 7 | S 8
1921

from which,
A pine limb, 8 ins. in diam., brs. N. $79\frac{1}{4}^{\circ}$ E., 171
lks. dist., marked $\frac{1}{4}$ S 8 BT.
A cedar, 14 ins. in diam., brs. N. $61\frac{1}{4}^{\circ}$ W., 203
lks. dist., marked $\frac{1}{4}$ S 7 BT.

51.65 Continue ascent, 40 ft.
57.10 Spur, slopes SE. Descend 85 ft.
Draw, course SE.
Ascend 90 ft.
63.75 Spur, slopes SE. Descend 140 ft.
79.88 Gulch, course E. Ascend.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in
the ground, in a mound of stone, for cor. of secs. 5, 6,
7 and 8, marked on brass cap,

T27N R14W
S 6 | S 5
S 7 | S 8
1921

from which,
A cedar, 18 ins. in diam., brs. N. $21\frac{1}{4}^{\circ}$ E., 70 lks.
dist., marked T27N R14W S5 BT.
A cedar, 8 ins. in diam.; brs. S. $68\frac{1}{4}^{\circ}$ E., 20 lks.
dist., marked T27N R14W S8 BT.
A cedar, 8 ins. in diam., brs. S. $55\frac{1}{2}^{\circ}$ W., 57 lks.
dist., marked T27N R14W S7 BT.
A cedar, 8 ins. in diam., brs. N. 78° W., 101 lks.
dist., marked T27N R14W S6 BT.

Land, rolling.
Soil, rocky, 3rd and 4th rate; limestone formation.
Timber, pine and cedar; undergrowth, scrub oak, buck brush,
sage brush, rabbit brush, Spanish dagger and cactus.

Completion of the
Subdivision lines of Township 27 North, Range 14 West, 157

Chains.
 40.00 S. 89° 50' E., on a random line, bet. secs. 5 and 8.
 Set temp. 1/4 sec. cor.
 80.10 Intersect N. and S. line; 14 lks. S. of the cor. of secs. 4, 5, 8 and 9.
 Thence,
 N. 89° 56' W., on a true line, bet. secs. 5 and 8.
 Over slightly rolling land, thru. scattering timber and dense undergrowth.
 6.00 Descend 60 ft.
 8.35 Draw, course SE.
 Ascend 60 ft.
 11.35 Descend 60 ft.
 13.95 Gulch, course SE. Ascend 175 ft.
 27.20 Spur, slopes SE. Descend 75 ft.
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 5
 S 8
 1921

from which,
 A cedar, 8 ins. in diam., brs. N. 58° W., 222 lks. dist., marked 1/4 S 5 BT.
 A cedar, 5 ins. in diam., brs. S. 14° W., 16 lks. dist., marked 1/4 S 8 BT.

Thence over slightly rolling land:
 50.80 Draw, course SE. Ascend.
 54.90 Descend 25 ft.
 64.30 Gulch, course SE. from W.
 73.60 Leave gulch, course E. from S. 80° W. Continue over slightly rolling land.
 80.10 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling and slightly rolling.
 Soil, rocky, 3rd and 4th rate; limestone formation.
 Timber, pine and cedar.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger; cedar and cactus.

 40.00 S. 89° 50' W., on a random line, bet. secs. 6 and 7.
 Set temp. 1/4 sec. cor.
 79.95 Fall 2 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the W. bdy of the Tp., hereinbefore described.
 Thence,
 N. 89° 51' E., on a true line, bet. secs. 6 and 7.
 Over rolling land, thru. scattering timber and dense undergrowth.
 Descend 30 ft.
 10.65 Draw, course NW. Ascend 135 ft.
 25.05 Ridge, brs. NE. and SW. Descend 125 ft.
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap,

1/4 S 6
 S 7
 1921

from which,
 A pine, 9 ins. in diam., brs. N. 66 1/4° W., 37 lks. dist., marked 1/4 S 6 BT.
 A pine, 9 ins. in diam., brs. S. 37 1/4° W., 47 lks. dist., marked 1/4 S 7 BT.

Continue descent 220 ft.
 79.95 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling,
 Soil, rocky, 4th rate.
 Timber, pine and cedar. Undergrowth, scrub oak, buck brush, rabbit brush, sagebrush, spanish dagger, cedar and cactus.

58 Completion of the
Subdivision lines of Township 27 North, Range 14 West.

Chains.

40.00 N.0°18'W., on a random line, bet. secs. 5 and 6.
Set temp. $\frac{1}{4}$ sec. cor.
80.47 Fall 14 lks. W. of the cor. of secs. 5, 6, 31 and 32, on the
N. bdy. of the Tp., hereinbefore described.
Thence,
S.0°12'E., on a true line, bet. secs. 5 and 6.
Over mountainous land, thru scattering timber and undergrowth.
Descend 120 ft.
16.02 Ravine, course E.
Ascend 185 ft.
29.50 Spur, slopes SE.
Descend 170 ft.
40.47 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap,

s 6 $\frac{1}{4}$ s 5

1921

from which,

A juniper, 8 ins. in diam., brs. N.76°E., 19 lks.
dist., marked $\frac{1}{4}$ S 5 BT.

A pinyon, 12 ins. in diam., brs. N.79°W., 167 lks.
dist., marked $\frac{1}{4}$ S 6 BT.

40.85 Continue descent.
Draw, course SE.
Ascend 45 ft.
45.30 Spur, slopes SE.
Descend 115 ft.
57.65 Draw, course SE.
Ascend 50 ft.
67.60 Spur, slopes NE.
Descend 95 ft.
80.47 The cor. of secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, buck brush, scrub oak, sagebrush, Spanish
dagger, cedar, and cactus.
Fair grazing.

The continued satisfactory adjustment of the solars dur-
ing the survey of this township is indicated from
field tests as described in Book "C" and "D."

GENERAL DESCRIPTION.

The eastern and north central portions of this township
are mountainous land; the remainder is rolling land.
Practically all the township is covered with a heavy or
scattering growth of juniper, cedar and pinyon timber
and sagebrush, scrub oak, manzanita, prickly ash, rab-
bit brush and cactus undergrowth. Meriwhitica Canyon
heads in this township.

There are no settlers in the township. One spring, known
as Cottonwood Spring, is found near the cor. of secs.
2, 3, 10 and 11. There are no indications of valuable
mineral deposits.

4-680

BOOK 3560

FIELD ASSISTANTS. to

Francis R. Ihrie, U. S. Transitman

NAMES.	CAPACITY.
John M. Holland	1st Chainman
Jesse Potter	2nd Chainman
Harry Severns	Flagman
Earl Draper	Cornerman
Andrew Devine	Axman
Harry L. Linamoy	Flagman
Joseph Sepule	2nd Chainman

CERTIFICATE OF UNITED STATES ~~TRANSITMAN~~.

BOOK 3560

I, Francis R. Ihrie, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 110, Arizona, bearing date of the 27th day of February, 1920 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 North and East boundaries, and Subdivision lines of

TOWNSHIP 27 NORTH, RANGE 14 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, and by diagram on page 1 hereof 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 U. S. Surveyor General, for Group 110, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Wash. D.C.
Date May 31, 1923

Francis R. Ihrie
U. S. Transitman & Surveyor.

~~Office of the United States Surveyor General,~~

The foregoing field notes of the survey of

executed by under his special instructions dated , 19 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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. Surveyor General.

CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3560

I, Quintin Campbell, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 110, Arizona, bearing date of the 27th day of February, 1920, 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 Subdivision lines of

TOWNSHIP 27 NORTH, RANGE 14 WEST,

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 survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 110, 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 March 30, 1922.

Quintin Campbell
U. S. Surveyor.

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL,~~

The foregoing field notes of the survey of

executed by _____ under his special instructions dated _____, 19____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

U. S. Surveyor General.

BOOK 3560

4-680

FIELD ASSISTANTS. to

William B. Kimmel, U. S. Cadastral Engineer.

NAMES.	CAPACITY.
George G. Easton	1st Chainman
Robert M. Tatum	2nd Chainman
Joseph Sepule	Flagman
Odson Hopper	Moundman and Flagman
Harry R. Johnson	Moundman
William Owens	Axeman
Willard J. Francy	Axeman
Mansfield S. Bryant	Moundman

BOOK 2560

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER

I, William B. Kimmel, U. S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 110, Arizona bearing date of the 27th day of February, 1920, 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

West (Completion) and North Boundaries

and

Subdivision Lines of

TOWNSHIP 27 NORTH, RANGE 14 WEST

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 survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 110, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Dixieband, Calif. Wm B. Kimmel
Date June 7, 1923, U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, JUN 30, 1923.

The foregoing field notes of the survey of the

East Boundary, North Boundary,

Part of West Boundary (Completion) and Part of the

Subdivision Lines (Completion)

of

TOWNSHIP 27 NORTH, RANGE 14 WEST of the

Gila and Salt River Base and Meridian, in the State of Arizona

executed by William B. Kimmel, U. S. Cadastral Engineer, Quintin Campbell, U. S. Surveyor and Francis R. Ihrle, U. S. Transitman under special instructions dated Feb. 27, 1920, for Gr. 110, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Francis R. Ihrle
U. S. Surveyor General.

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. Surveyor General.