

Book "A"

BOOK 4103

FIELD NOTES

OF THE SURVEY OF THE

SOUTH, WEST AND NORTH BOUNDARIES , AND RESURVEY OF PART

OF THE EAST BOUNDARY OF TOWNSHIP 11 NORTH, RANGE 17 EAST

4103

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Albinus N. Kimmell, U.S. Cadastral Engineer, Charles E. Hunter,
U.S. Transitman and Bert E. Wakeman, Public Land Surveyor

In the capacity of U. S. Surveyor , under Special Instructions dated June 18

1934, issued by the District Cadastral Engineer to govern surveys included in Group

No. 191, which were approved by the Commissioner of the General Land

Office, July 6, 1934, and Assignment Instructions dated August 22 and Sept. 12, 1935

Survey commenced September 11, 1935

Survey completed November 3, 1935

4103

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BOOK 4103

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23 24 25 26 27 28

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U. S. GOVERNMENT PRINTING OFFICE 6-1514

Fort Apache Indian
Reservation

The surveys and resurveys herein described were executed with Buff solar transit No. 18002, Young and Sons solar compass No. 6808 and Gurley solar transit No. 20120, all constructed in accordance with the standard specifications of the General Land Office, each with verniers reading to single minutes.

All instruments were placed in satisfactory adjustment prior to beginning the survey and approved by the District Cadastral Engineer on June 28, 1935.

The measurements were made with Lufkin or Lallie steel tapes, 5 chs. in length, graduated every link for the first hundred links and thereafter at intervals of 10 links. Each tape was tested prior to and during the progress of the survey by comparison with a Keuffel and Esser standard steel tape and found correct. All measurements were made on the slope, the vertical angles of each interval determined by clinometers in good adjustment and distances reduced to true horizontal which alone appear in the field notes.

The data furnished with the special instructions gives the geographic position of the SE. cor. of T. 11 N., R. 17 E., as $34^{\circ}17'50''$ N., and longitude $110^{\circ}28'54''$ W.

Sept. 10, 1935, in camp near the center of sec. 19, T. 11 N., R. 18 E., G. & S. R., Mer., in latitude $34^{\circ}20'N.$, and longitude $110^{\circ}28'54''W.$, at 8h 27.5m l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, by a peg in the ground, 8 chs. N.

Azimuth of Polaris at eastern elongation----- $1^{\circ}16'$

Sept. 11: I lay off the azimuth of Polaris $1^{\circ}16'$ to the west, and mark the meridian thus determined by a nail in a peg, 8 chs. N.

Test of Buff 18002.

Sept. 11; at my station in camp heretofore described, I examine the adjustment of the instrument and correct all errors. Then test the solar apparatus by comparing its indications hourly with the true meridian established by Polaris observation.

At 9h a.m., app.t. I set off $34^{\circ}20'N.$, on the lat. arc; $4^{\circ}45.5'N.$, on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

At app. noon, with the latitude arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $4^{\circ}42.5'N.$, which agrees with the computed declination of the sun.

At 3h 0m p.m., app. t., with the lat. arc unchanged, I set off $4^{\circ}40.5'N.$, on the decl. arc; and again determine a meridian which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the instrument is in satisfactory adjustment.

Test of Y. & S. No. 6808..

Sept. 15, at my station in camp previously described, I examine the adjustments of the instrument and correct all the errors, then test the solar by comparison with the true meridian.

At 8h 30m a.m., app. t., with the lat. arc set at $34^{\circ}20'N.$, and decl. arc at $3^{\circ}14.5'N.$, determine a meridian with the solar which agrees with the true meridian.

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

Chains

At 12h noon, app. t., with decl. arc set at $3^{\circ}10.5'N.$, I observe the sun on the meridian and note the resulting latitude reading to be $34^{\circ}19'40''N.$
 At 4h 0m p.m., app. t., with lat. arc unchanged, I set the decl. arc at $3^{\circ}07.5'N.$, and again observe the sun and find no divergence from the true meridian.
 The adjustments of the instrument are satisfactory.

Test of Gurley 20120.

Sept. 20, 1935, at camp near the $\frac{1}{2}$ sec. cor., bet. secs. 21 and 22, T. 11 N., R. 17 E., at 7h 48.3m p.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with telescope in direct and reversed positions, and mark the mean point thus obtained by a flag 15 chs. N.

Azimuth of Polaris at elongation is $1^{\circ}15'$

Sept. 22, after laying off the azimuth of Polaris $1^{\circ}15'$ to the west and establishing a point from which to check the true meridian thus established, every thirty minutes during the period for solar work, I make proper settings on the arcs of the solar attachment and ascertain the resulting orientation of the instrument; when compared with the true meridian. The maximum error is less than $1'30''$ and the instrument proved to be in satisfactory adjustment.

History of earlier surveys.

The west boundary of T. 11 N., R. 18 E., was established by H.A. Coe, Deputy Surveyor in 1883. In 1915 the W. bdy. of secs. 19, 30 and 31 were resurveyed by U.S. Surveyor Blout.

The Indian Reservation boundary in secs. 34, 35 and 36, originally surveyed, and resurveyed in 1906 by J.B. Wright, as the N. bdy. of the White Mountain has become the N. bdy. of the Fort Apache Indian Reservation.

In 1916, the U.S. Forest Service reconstructed the cor. of Tps. 11 and 12 N., Rs. 17 and 18 E.

No other work on the boundary lines is of record

From the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of T. 11 N., R. 18 E.,

North, on a random line on the W. bdy. of T. 11 N., R. 18 E.

40.14	A point 25 lks. E. of the $\frac{1}{2}$ sec. cor. of secs. 25 and 30.
80.26	A point 21 lks. E. of the cor. of secs. 19, 24, 25 and 30.
120.27	A point 24 lks. E. of the $\frac{1}{2}$ sec. cor. of secs. 19 and 24.
160.59	A point 68 lks. E. of the cor. of secs. 13, 18, 19 and 24.
201.22	A point 37 lks. E. of the $\frac{1}{2}$ sec. cor. of secs. 13 and 18.
241.90	A point 51 lks. W. of the cor. of secs. 7, 12, 13 and 18.
282.29	A point 215 lks. W. of the $\frac{1}{2}$ sec. cor. of secs. 7 and 12.
322.90	A point 174 lks. W. of the cor. of secs. 1, 6, 7 and 12.
363.37	A point 156 lks. W. of the $\frac{1}{2}$ sec. cor. of secs. 1 and 6.
405.16	A point 69 lks. W. of the cor. of Tps. 11 and 12 N., Rs. 17 and 18 E.

Return to the cor. of secs. 25, 30, 31 and 36, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Thence

N. $0^{\circ}21'W.$, on true line bet. secs. 25 and 30.

Over mountainous land, through heavy timber and scattering undergrowth, descending slight NW. slope 135 ft. to $\frac{1}{2}$ sec. cor.

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

Chains	
20.90	A drain, course N.15°W.
40.14	The $\frac{1}{4}$ sec. cor., and iron post, set, mkd. and witnessed as described in the official record.
	Thence
	N.0°03'E., on true line bet. secs. 25 and 30. Continue descent 100 ft.
37.60	Enter dry bed of Decker wash, 20 lks. wide, course N. from the SW.
40.12	The cor. of secs. 19, 24, 25 and 30; an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	Thence
	N.0°03'W., on true line bet. secs. 19 and 24.
	Over level land, through heavy timber and scattering undergrowth from the corner which is in the dry bed of Decker Wash.
2.40	Leave Decker Wash, course N.10°E.
5.00	Truck trail, bears N.20°E., and S. 20°W.
12.30	Road, Phoenix Park to Lincoln Ranger Station, bears E. and W.; joins truck trail 2 chs. E.
15.00	A dry wash, 8 lks. wide, course NE., leave level and enter hilly land, and ascend SE. slope 34 ft.
20.00	Spur of hill, slopes E., ascend 12 ft. over E. slope.
23.50	Descend 8 ft. to
24.95	Ravine, course E., ascend 78 ft. over S. slope.
32.00	Enter dense undergrowth, timber changes to scattering.
38.00	Spur of hill, slopes E., thence over broken E. slope.
40.01	The $\frac{1}{4}$ sec. cor., and oak tree, 10 ins. diam., mkd. and witnessed as described in the official record. This cor. now refers to sec. 19, only.
	Thence
	N.0°38'W., on true line bet. secs. 19 and 24.
.16	Midway bet. the NE. and SE. cors. of sec. 24, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 24, only, with brass cap mkd.
	$\frac{1}{2}$ S 24 1935
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
11.50	Low ridge, bears NE. and SW.

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

Chains	
19.75	Descend 118 ft. over NW. slope.
31.60	Old discontinued Camp Verde road, bears NE. and SW.
36.00	Enter heavy timber, bears NE. and SW.
36.15	Enter drain, 5 ft. deep, 25 lks. wide, course NE.
36.90	Leave drain.
40.32	The cor. of secs. 13, 18, 19 and 24, and iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, level, rolling and hilly. Soil, silt and gravelly loam; 2nd rate. Timber, yellow pine and white oak; undergrowth, very dense young pine thickets.
<hr/>	
	N.0°27'E., on true line on the W. bdy. of sec. 18.
	Over rolling hills, through heavy timber and dense undergrowth.
	Ascend SE. slope 57 ft.
8.75	Spur of hill, slopes E., descend 5 ft.
11.15	Ravine, course S.50°E., ascend 100 ft.
20.00	Hill ridge, bears N.30°E., and S.30°W., descend 122 ft.
33.80	Ravine, course N.30°E., thence over E. slope.
38.30	Ravine, course S.80°E., ascend 15 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock, and in a mound of stone, 2 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor. of sec. 13, only, with brass cap mkd.
	$\frac{1}{4}$ S 13
	1935
	from which
	A yellow pine, 12 ins. diam., bears S.10 $\frac{1}{2}$ °W., 84 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
	A yellow pine, 8 ins. diam., bears N.52°W., 63 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.
40.63	The $\frac{1}{4}$ sec. cor. of secs. 13 and 18, a wash boulder, 8x6x5 ins. in a mound of stone, mkd. $\frac{1}{4}$ on W. face.
	As this cor. now refers to sec. 18, only, of R. 18 E.; in place of the stone, with same reset alongside and $\frac{1}{4}$ on E.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and supported in a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor. of sec. 18, only, with brass cap mkd.

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

4103

Chains

1/4 S 18

1935

from which

Original bearing trees

A yellow pine, 26 ins. diam., bears S.53 1/2°E., 71 lks. dist., mkd. 1/4 S 18 B T.

The base of a tree fallen and decaying, bears S.28°W., 81 lks. dist.

New bearing tree

A yellow pine, 8 ins. diam., bears N.18 1/2°E., 65 lks. dist., mkd. 1/4 S 18 B T.

Thence

N.1°14'E., on true line bet. secs. 13 and 18.

Ascend 92 ft.

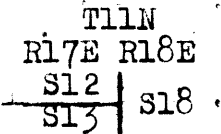
9.75 Spur of hill, slopes SE.

13.40 Head of drain, course SE.

14.50 Top of flat hill, bears NE. and SW., thence over hill top.

39.38 At this point, 80.00 chs. in lat. from the cor. of secs. 13, 18, 19 and 24,

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bed rock and in a mound of stone, 2 ft. base, 10 ins. high, for cor. of secs. 12 and 13, only, with brass cap mkd.



1935

from which

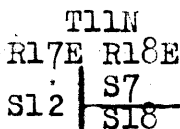
A yellow pine, 12 ins. diam., bears S.20 1/2°W., 87 lks. dist., mkd. T11NR17ES13BT.

A yellow pine, 6 ins. diam., bears N.64°W., 80 lks. dist., mkd. T11NR17ES12BT.

40.69 The point for cor. of secs. 7, 12, 13 and 18, determined from an original bearing tree.

At point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7 and 18, only, with brass cap mkd.



1935

from which

Original bearing trees,

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

Chains

A yellow pine, 16 ins. diam., bears N.7°E., 30 lks. dist., part of old marks visible, I remark T11NR18ES7BT.

There is no evidence remaining of the remaining record bearing trees.

Land, hilly and rolling.

Soil, gravelly loam on hillsides, good silt sand and clay on ridge tops; 2nd and 3rd rate.

Timber, pine, oak, juniper and cedar; undergrowth, same.

Thence

N.2°19'E., on true line on the W. bdy. of sec. 7.

Over ridge top, through heavy timber and dense undergrowth

1.30 Truck trail, bears N.35°E., and S.35°W.,

38.72 A point 40 chs. in latitude from the cor. of secs. 12 and 13, and at this point

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 12 only, with brass cap mkd.

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

1935

from which

A yellow pine, 6 ins. diam., bears S.33 $\frac{1}{2}$ °W., 76 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.

A yellow pine, 7 ins. diam., bears N.68°W., 45 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.

40.41 The $\frac{1}{4}$ sec. cor., a stone in a mound of stone, mkd. $\frac{1}{4}$ on W. face,

As this cor. now refers to sec. 7 only, in place of the stone, with same reset alongside and $\frac{1}{4}$ to the E.,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 7, only, with brass cap mkd.

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

1935

from which

Original bearing trees,

No evidence can be found of the record bearing trees.

New bearing trees,

A yellow pine, 8 ins. diam., bears N.41°E., 68 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.

A yellow pine, 6 ins. diam., bears S.65°E., 34 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.

Thence

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

4103

Chains

N.0°35'W., on true line on the W. bdy. of sec. 7.

5.00 Descend W. slope 100 ft., leaving ridge bears NE. from S.

38.31 At this point, 80.00 chs. in latitude from the cor. of secs. 12 and 13,
Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to rock and in a mound of stone, 2 ft. base, 14 ins. high, for the cor. of secs. 1 and 12, only, with brass cap mkd.

T11N
R17E R18E
S1 | S7
S12 |
1935

from which

A yellow pine, 20 ins. diam., bears S.52 $\frac{3}{4}$ °W., 104 lks. dist., mkd. T11NR17E S12BT.

A yellow pine, 15 ins. diam., bears N.36°W., 98 lks. dist., mkd. T11NR17E S1BT.

40.62 The cor. of secs. 1, 6, 7 and 12, a decayed stake in a mound of stone.
As this cor. now refers to secs. 6 and 7, only, in place of the stake, with stake alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone, for cor. of secs. 6 and 7, only, with brass cap mkd.

T11N
R17E R18E
S1 | S6
S7 |
1935

from which

Original bearing trees,

N.E. tree of record, evidence gone.

A yellow pine, 18 ins. diam., bears S.28 $\frac{1}{2}$ °E., 29 lks. dist., marks overgrown.

The NW. and SW. trees of record standing and marks destroyed.

New bearing tree,

An alligator juniper, 7 ins. diam., bears N.29 $\frac{1}{2}$ °E., 31 lks. dist., mkd. T 11 N R 18 E S 6 B T.

Land, rolling and hilly.
Soil, loam, gravel and sand; 2nd and 3rd rate.
Timber, juniper, cedar, oak and pine; undergrowth, same.

Thence

N.0°15'W., on true line on the W. bdy. of sec. 6.

Over rolling hills, through scattering timber and dense undergrowth.

Resurvey of the W. Bdy. of T. 11 N., R. 18 E.

Chains	
5.00	Point of spur, slopes NW., descend 60 ft.
17.00	Enter nearly level land, bears E. and W.
18.22	Forest Reserve telephone line, bears E. and W.
18.35	Heber to Pinedale road, nearly abandoned, bears E. and W.
28.50	Ravine bed, dry, course NE.
37.69	At this point, 40.00 chs. in latitude from the cor. of secs. 1 and 12, Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, 1 ft. base, 10 ins. high, for $\frac{1}{4}$ sec. cor. of sec. 1, only, with brass cap mkd.
	$\frac{1}{4}$ S 1 1935 from which
	A yellow pine, 24 ins. diam., bears S. $39\frac{1}{2}^{\circ}$ W., 134 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.
	A yellow pine, 22 ins. diam., bears N. $1\frac{1}{4}^{\circ}$ W., 30 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.
40.47	The $\frac{1}{4}$ sec. cor. of secs. 1 and 6, a sandstone, 16x10x6 ins. firmly set in the ground, mkd. $\frac{1}{4}$ on W. face. As this cor. refers now to sec. 6, only, in place of the stone, with same reset alongside and with the marks $\frac{1}{4}$ facing E., Set an iron post, 3 ft. long, 1 in. diam., 32 ins. in the ground, for $\frac{1}{4}$ sec. cor., of sec. 6, only, with brass cap mkd.
	$\frac{1}{4}$ S 6 1935 from which
	Original bearing trees
	A pine, 16 ins. diam., bears N. 33° E., 28 lks. dist., mkd. $\frac{1}{4}$ S 6 B T. (This tree was evidently marked but not entered in the official record.)
	No other marked tree found.
	New bearing tree,
	A pine, 16 ins. diam., bears S. 35° E., 65 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.
	Thence
	N. $1^{\circ}13'$ W., on true line on the W. bdy. of sec. 6.
.90	A dry water course, 15 lks. wide, 3 ft. deep, course N. 30° W.
3.00	Leave bottom land, ascend 50 ft.
7.00	Top of hill, bears NW. and SE., thence over rolling bench land with general N. slope.

Resurvey of the W. Bdy. of T. 11 N., R. 18 W. BOOK 4103

Chains

37.23

At this point, 80.00 chs. in latitude from the cor. of secs. 1 and 12,

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone 28 ins. base, 16 ins. high, for cor. of lots 1 and 6 of sec. 1, with brass cap mkd.

S 1 $\frac{1}{6}$
1935
1936

No accessories.

38.15 Ravine, course W.

41.70 Fence, bears E. and W.

41.80 The cor. of Tps. 11 and 12 N., Rs. 17 and 18 E., which is a sandstone, 12x8x2 ins. above ground, mkd. and witnessed as described in the official record.

In place of the stone, with same reset alongside,

Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for cor. of Ts. 11 and 12 N., Rs. 17 and 18 E., with brass cap mkd.

T 12 N
R17E R18E
S36 S31
S 1 S 6
T11N
1935

from which

Original bearing trees,

A pine, 14 ins. diam., bears N.32 $\frac{1}{2}$ °E., 68 lks. dist., mkd. T 12 N R 18 E S 31 B T.

A pine, 10 ins. diam., bears S.59°E., 29 lks. dist., mkd. T 11 N R 18 E S 6 B T.

A pine, 10 ins. diam., bears S.86°W., 37 lks. dist., mkd. T 11 N R 17 E S 1 B T.

A pine, 25 ins. diam., bears N.42°W., 83 lks. dist., mkd. T 12 N R 17 E S 36 B T.

Land, rolling and hilly.

Soil, clay, gravel and loam; 2nd and 3rd rate.

Timber, juniper, cedar and pine; undergrowth, same and oak.

S. Bdy. of T. 11 N., R. 17 E.

Chains

From the cor. of Tps. 10 and 11 N., Rs. 17 and 18 E., which is an iron post, 3 ins. diam., 6 ins. above ground, mkd. and witnessed as described in the official record,

West, on a true line bet. secs. 1 and 36, within the Ft. Apache Indian Reservation.

Over mountainous land, through heavy timber and dense undergrowth.

Descend W. slope 2 ft.

.20 Ravine, course S., ascend 77 ft.

6.25 Spur ridge, slopes SW., descend 84 ft.

10.85 Ravine, course SW., ascend 78 ft.

16.25 Spur ridge, slopes SW., descend 88 ft.

21.00 Ravine, course SW., ascend 80 ft.

24.00 Spur, slopes S., descend 87 ft.

31.50 Gulch, course SE., ascend 92 ft.

37.50 Cross a spur, slopes NE., thence along N. slope of spur.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

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

1935

from which

A pine, 9 ins. diam., bears S. $14\frac{1}{2}^{\circ}$ E., 53 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.

A pine, 12 ins. diam., bears N. $15\frac{1}{2}^{\circ}$ W., 53 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.

48.50 Same spur noted at 37.50 chs., slopes SE. from N.

48.60 A truck trail, bears NW. and SE., descend 15 ft.

50.70 Head of a ravine, course NW.

53.25 Descend 46 ft.

59.15 Ravine, course SW., ascend 20 ft.

61.50 Spur, slopes S., descend 6 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with brass cap mkd.

T11N R17E

S35 | S36
S 2 | S 1

T10N

1935

from which

A pine, 10 ins. diam., bears N. $68\frac{1}{2}^{\circ}$ E., 47 lks. dist., mkd. T 11 N R 17 E S 36 B T.

A pine, 12 ins. diam., bears S. $19\frac{1}{2}^{\circ}$ E., 74 lks. dist.,

S. Bdy. of T. 11 N., R. 17 E.

Chains

mkd. T 10 N R 17 E S 1 B T.

An oak, 7 ins. diam., bears S. $47\frac{1}{2}^{\circ}$ W., 56 lks. dist.,
mkd. T 10 N R 17 E S 2 B T.

A pine, 14 ins. diam., bears N. 25° W., 73 lks. dist.,
mkd. T 11 N R 17 E S 35 B T.

Land, mountainous.

Soil, clay and stone, 3rd rate.

Timber, pine and oak; undergrowth, same.

West, on true line bet. secs. 2 and 35.

Over mountainous land, through heavy timber and dense undergrowth.

Descend SW. slope 50 ft.

- 2.35 Ravine, 4 lks. wide, course S., ascend 72 ft.
- 8.25 Spur, slopes S., descend 36 ft.
- 12.35 Ravine, course S., ascend 28 ft.
- 13.75 Spur, slopes S., descend 26 ft.
- 15.15 Ravine, course SE., ascend 40 ft.
- 18.50 Spur, slopes S., and a branch spur SW.
- 23.00 Descend 62 ft.
- 26.35 Ravine, course SW., ascend 36 ft.
- 29.75 Spur, slopes S., descend 27 ft.
- 32.15 Ravine, course SE., ascend 86 ft.
- 38.25 Spur, slopes S., descend 23 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{S\ 35}{S\ 2}$

1935

from which

A pine, 10 ins. diam., bears S. $7\frac{1}{2}^{\circ}$ W., 97 lks. dist.,
mkd. $\frac{1}{4}$ S 2 B T.

A pine, 18 ins. diam., bears N. $56\frac{1}{2}^{\circ}$ W., 145 lks. dist.,
mkd. $\frac{1}{4}$ S 35 B T.

Descend 30 ft. over NW. slope.

- 42.25 Ravine, course SE., ascend 82 ft.
- 45.75 Spur, slopes S. 20° E., descend 85 ft.
- 49.85 Ravine, 6 lks. wide, course S., ascend 91 ft.
- 54.00 Spur, slopes S. 15° E., descend 104 ft.

S. Bdy. of T. 11 N., R. 17 E.

Chains
 59.50 Gulch, 8 lks. wide at bottom, course S.10°E., ascend 90 ft.
 63.50 Spur, slopes SE., descend 23 ft. along S. slope.
 68.60 Ravine, course SE., ascend 82 ft.
 73.50 Ridge, bears N. and SE., descend 87 ft.
 77.70 Ravine, 5 lks. wide, course S., ascend 53 ft. over SE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap mkd.

T11N R17E
 S34 | S35
 S 3 | S 2
 T10N
 1935

from which

A pine, 26 ins. diam., bears N.24°E., 38 lks. dist., mkd. T 11 N R 17 E S 35 B T.

A pine, ins. diam., bears S.70°E., 89 lks. dist., mkd. T 10 N R 17 E S 2 B T.

A pine, ins. diam., bears S.56°W., 61 lks. dist., mkd. T 10 N R 17 E S 3 B T.

A pine, ins. diam., bears N.22½°W., 48 lks. dist., mkd. T.11 N R 17 E S 34 B T.

Land, mountainous.
 Soil, rocky clay with light top loam, 3rd and 4th rate.
 Timber, pine and oak; undergrowth, same and catclaw.

West, on true line bet. secs. 3 and 34.

Over mountainous land, through heavy timber and dense undergrowth.
 Ascend 12 ft.

1.50 Spur, slopes SE., descend 56 ft..
 5.60 Ravine, course SE., ascend 126 ft.
 13.25 Spur, slopes SE., thence over S. slope.
 17.75 Top of Mogollon Ridge, bears NE. and SW., thence over ridge.
 20.90 U.S.F.S. bdy. fence, bears N.23°E., and S. 23°W.
 21.07 Intersect the N. bdy. of the Fort Apache Indian Reservation and at this point
 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 3 and 34, with brass cap mkd.

T 11 N R 17 E
 S 34 C | FAIR
 S 3 C |
 T 10 N
 1935

from which

S. Bdy. of T. 11 N., R. 17 E.

4103

Chains

A pine, 10 ins. diam., bears S.69°W., 119 lks. dist.,
mkd. T 10 N R 17 E S 3 C C B T.

A pine, 20 ins. diam., bears N.26°W., 91 lks. dist.,
mkd. T 11 N R 17 E S 34 C C B T.

From the closing corner, angle corner No. 789 on the N.
bdy. of the Fort Apache Ind. Res., bears S. 24°20'W.,
2.70 chs. dist., a yellow pine marked as described in
the official record.

Also, from the closing corner, angle corner No. 788 bears
N.24°20'E., 7.31 chs. dist.; the stump of a fallen tree,
the tree marked as described in the official record.

Leave the Fort Apache Indian Reservation.

Descend 66 ft. over gentle NW. slope.

21.50 Rim road, bears N. 23°E., and S.23°W.

30.30 A bend in a ravine, course N.70°W., from N.70°E., descend
along the S. side of the ravine.

35.15 Same ravine, course SW.

37.15 Same ravine, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground and in a mound of stone, 2 ft. base, 1 ft. high,
for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\frac{1}{2} \begin{array}{l} S \ 34 \\ S \ 3 \end{array}$$

1935

from which

A pine, 16 ins. diam., bears N.49 $\frac{1}{2}$ °E., 77 lks. dist.,
mkd. $\frac{1}{4}$ S 34 B T.

A pine, 12 ins. diam., bears S.26°E., 74 lks. dist.,
mkd. $\frac{1}{4}$ S 3 B T.

41.00 Bend in same ravine, course NW., from NE., thence along
N. slope.

63.00 Point of spur, slopes NE., descend W. slope 52 ft.

68.30 Ravine, course N., ascend 66 ft.

75.00 Spur, slopes N., descend 70 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in
the ground, for cor. of secs. 3, 4, 33 and 34, with brass
cap mkd.

$$\begin{array}{l} T11 \ N \ R17E \\ S33 \ S34 \\ S \ 4 \ S \ 3 \\ T \ 10 \ N \\ 1935 \end{array}$$

from which

An oak, 6 ins. diam., bears N.35°E., 90 lks. dist.,
mkd. T 11 N R 17 E S 34 B T.

A pine, 12 ins. diam., bears S.33 $\frac{1}{2}$ °E., 98 lks. dist.,
mkd. T 10 N R 17 E S 3 B T.

Chains

A pine, 9 ins. diam., bears S. $12\frac{1}{2}^{\circ}$ W., 84 lks. dist.,
mkd. T 10 N R 17 E S 4 B T.

A pine, 24 ins. diam., bears N. $76\frac{1}{2}^{\circ}$ W., 157 lks. dist.,
mkd. T 11 N R 17 E S 33 B T.

Land, E. $\frac{1}{4}$ mile, mountainous; balance hilly.
Soil, rocky clay and timber loam, 2nd and 3rd rate.
Timber, pine and oak; undergrowth, same.

West, on true line bet. secs. 4 and 33.

Over hilly land, through heavy timber and dense undergrowth.

Descend 68 ft.

3.50 Enter bottom land, bears N. and S.

3.75 Truck trail, bears N. and S.

4.95 A dry, stony, creek bed, 15 lks. wide in Phoenix Park
Gulch, course N.

7.00 Ascend 40 ft. over NE. slope.

17.00 Spur, slopes N., descend 45 ft.

31.00 Dry wash, 15 lks. wide, in gulch, course NE., ascend
33 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 33
S 4

1935

from which

A pine, 12 ins. diam., bears S. $91\frac{1}{2}^{\circ}$ W., 79 lks. dist.,
mkd. $\frac{1}{4}$ S 4 B T.

A pine, 6 ins. diam., bears N. $14\frac{1}{2}^{\circ}$ W., 23 lks. dist.,
mkd. $\frac{1}{4}$ S 33 B T.

40.30 A ravine, 3 lks. wide, course S. 70° E., ascend 94 ft.

56.50 A spur, slopes S., descend 75 ft.

57.70 Truck trail, bears N. and S. 20° W.

66.85 Ravine, course N., ascend 17 ft.

69.25 Spur, slopes N., descend 50 ft.

79.80 Dry creek bed, 35 lks. wide, course NE.

80.00 Point for the cor. of secs. 4, 5, 32 and 33, falls in bed
of creek, impracticable to set cor. (witness corner 1.00
chain N.)

Land, hilly and rolling.
Soil, stony and clay loam; 3rd rate.
Timber, pine and oak; undergrowth, same.

S. Bdy. of T. 11 N., R. 17 E.

Chains

West, on true line bet. secs. 5 and 32.

Over rolling hill land, through heavy timber and dense undergrowth.

- .15 Leave creek bed, ascend gradual SE. slope 148 ft.
- 1.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for witness cor. of secs. 4, 5, 32 and 33, with brass cap mkd.

T11 N R17E
S32 | S33 WC
S5 | S4
T10 N
1935

from which

An oak, 6 ins. diam., bears N.77°E., 42 lks. dist.,
mkd. W C T 11 N R 17 E S 32 B T.

A pine, 7 ins. diam., bears S.43 $\frac{3}{4}$ °E., 19 lks. dist.,
mkd. W C T 10 N R 17 E S 5 B T.

An oak, 12 ins. diam., bears S.53 $\frac{3}{4}$ °W., 114 lks. dist.,
mkd. W C T 10 N R 17 E S 5 B T.

A pine, 5 ins. diam., bears N.49 $\frac{1}{2}$ °W., 47 lks. dist.,
mkd. W C T 11 N R 17 E S 32 B T.

- 30.25 Spur, slopes S. 15°E., descend 22 ft.
- 32.25 Ravine, course S., from head of ravine, 1 ch. N. Ascend 34 ft.
- 36.00 Spur, slopes S., descend 10 ft.
- 39.70 Ravine, course S., ascend 10 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 32
 $\frac{1}{4}$ S 5

1935

from which

A pine, 9 ins. diam., bears N.51 $\frac{1}{2}$ °E., 32 lks. dist.,
mkd. $\frac{1}{4}$ S 32 B T.

An oak, 8 ins. diam., bears S.62 $\frac{1}{2}$ °E., 66 lks. dist.,
mkd. $\frac{1}{4}$ S 5 B T.

Ascend 97 ft.

- 56.25 Ridge, bears N.70°E., and S.70°W., and truck trail, same bearing; thence over ridge.
- 66.75 Descend slight W. slope.
- 71.75 The ridge, bears S.80°W., and E., descend 125 ft. over NW. slope.
- 79.55 Ravine, course NW., thence over N. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

S. bdy. of T. 11 N.; R. 17 E.

Chains

T11 N R17E	
S31	S32
S6	S5
T10N	
1935	

from which

An oak, 10 ins. diam., bears N.70°E., 48 lks. dist.,
mkd. T 11 N R 17 E S 32 B T.

A yellow pine, 14 ins. diam., bears S.68½°E., 69 lks.
dist., mkd. T 10 N R 17 E S 5 B T.

A yellow pine, 18 ins. diam., bears S.30°W., 50 lks.
dist., mkd. T 10 N R 17 E S 6 B T.

A fir, 18 ins. diam., bears N.41½°W., 99 lks. dist.,
mkd. T 11 N R 17 E S 31 B T.

Land, rolling hills.

Soil, stony clay loam; 2nd and 3rd rate.

Timber, pine, oak and fir; undergrowth, same.

West, on true line bet. secs. 6 and 31.

Over rolling land, through heavy timber and dense
undergrowth.

8.50 Spur, slopes N., descend 34 ft.

11.90 Ravine, course N., ascend 25 ft.

25.00 Spur, slopes N., descend 47 ft.

28.85 Ravine, course N., ascend 75 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for ¼ sec. cor., with brass cap mkd.

S 31	
S 6	

1935

from which

A pine, 11 ins. diam., bears N.69°E., 41 lks. dist.,
mkd. ¼ S 31 B T.

A pine, 8 ins. diam., bears South, 32 lks. dist.,
mkd. ¼ S 6 B T.

Thence along broken general N. slope.

76.40 A dry wash, 12 lks. wide, course N.20°E., ascend 15 ft. to

79.00 Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the
ground, for cor. of Ts. 10 and 11 N., Rs. 16 and 17 E.,
with brass cap mkd.

T 11 N	
R16E	R17E
S36	S31
S1	S6
T10N	
1935	

from which

S. bdy. of T. 11 N., R. 17 E.

4103

Chains

A pine, 12 ins. diam., bears N.68°E., 28 lks. dist.,
mkd. T 11 N R 17 E S 31 B T.

A pine; 14 ins. diam.; bears S.38 $\frac{1}{2}$ °E., 39 lks. dist.,
mkd. T 10 N R 17 E S 6 B T.

A pine, 16 ins. diam.; bears S.50°W., 65 lks. dist.,
mkd. T 10 N R 16 E S 1 B T.

A pine; 14 ins. diam.; bears N.64°W., 56 lks. dist.,
mkd. T 11 N R 16 E S 36 B T.

Land, rolling hills.
Soil, rocky clay loam; 2nd and 3rd rate.
Timber, pine, oak and fir; undergrowth, same.

W. Bdy. of T. 11 N., R. 17 E.

From the cor. of Ts. 10 and 11 N., Rs. 16 and 17 E.,
North, bet. secs. 31 and 36.

Over rocky N. slope through heavy timber and scattering
undergrowth, descend 109 ft.

9.50 Ravine, course NW.

27.90 Drain, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the
ground, for $\frac{1}{4}$ sec. cor.; with brass cap mkd.

S 36 S 31

1935

from which

A pine, 12 ins. diam., bears S.62°E., 32 lks. dist.,
mkd. $\frac{1}{4}$ S 31 B T.

A pine; 15 ins. diam.; bears N.31°W., 20 lks. dist.,
mkd. $\frac{1}{4}$ S 36 B T.

Descend 25 ft. over gradual N. slope.

57.30 Gulch, course NE.; ascend 25 ft. over SE. slope.

61.25 A five wire fence, bears E. and W.

62.50 Same fence, bears N.30°E., and S.30°W.

71.80 Ridge; bears NE. and SW.; descend 28 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
ground, for cor. of secs. 25, 30, 31 and 36, with brass cap
mkd.

T 11 N
R 16 E R 17 E

S 25 S 30
S 36 S 31

1935

W. Bdy. of T. 11 N., R. 17 E.

Chains

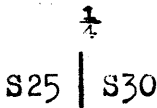
- from which
- A pine, 16 ins. diam., bears N.60°E., 55 lks. dist.,
mkd. T 11 N R 17 E S 30 B T.
- An oak, 12 ins. diam., bears S. 57°E., 70 lks. dist.,
mkd. T 11 N R 17 E S 31 B T.
- A pine, 18 ins. diam., bears S.41½°W., 112 lks. dist.,
mkd. T 11 N R 16 E S 36 B T.
- A pine, 14 ins. diam., bears N.67½°W., 62 lks. dist.,
mkd. T 11 N R 16 E S 25 B T.

Land, rolling.
Soil, sandy and gravelly loam; 2nd rate.
Timber, pine, oak and fir; undergrowth, same.

North, bet. secs. 25 and 30.

Over gradual NW. slope, through heavy timber and scattering undergrowth, descend 40 ft.

- 3.60 Blazed trail, bears NE. and SW.
- 10.00 Descend 17 ft.
- 14.50 Gulch, course NE.; ascend 40 ft. over SE. slope.
- 25.00 Road, bears NE. and SW.
- 37.40 Ridge, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.



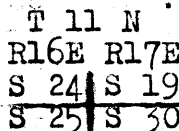
1935

from which

- A pine, 15 ins. diam., bears N.52½°E., 105 lks. dist.,
mkd. ¼ S 30 B T.
- A pine, 14 ins. diam., bears S.45½°W., 9 lks. dist.,
mkd. ¼ S 25 B T.

Descend 100 ft. over gradual N. slope.

- 62.95 Gulch, course NW.; continue descent over broken NW. slope 17 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap mkd.



1935

from which

- A pine, 18 ins. diam., bears N.77½°E., 64 lks. dist.,

W. Bdy. of T. 11 N., R. 17 E.

COR 4103

Chains

mkd. T 11 N R 17 E S 19 B T.

A pine, 16 ins. diam., bears S. $43\frac{1}{2}^{\circ}$ E., 104 lks. dist.,
mkd. T 11 N R 17 E S 30 B T.A pine, 15 ins. diam., bears S. $57\frac{1}{2}^{\circ}$ W., 47 lks. dist.,
mkd. T 11 N R 16 E S 25 B T.A pine, 15 ins. diam., bears N. $41\frac{1}{2}^{\circ}$ W., 80 lks. dist.,
mkd. T 11 N R 16 E S 24 B T.

Land, rolling.

Soil, sand and gravelly loam; 2nd rate.

Timber, pine, oak and fir; undergrowth, same.

North, bet. secs. 19 and 24.

Over SW. slope, through heavy timber and scattering
undergrowth; ascend 10 ft.

- 4.50 Thence over NW. slope; descend 26 ft.
- 10.00 Ravine, course NW.; ascend slightly.
- 12.60 Point of low spur, slopes NW.; descend 16 ft.
- 16.00 Gulch, course NE.; continue descent over gradual N. slope
26 ft.
- 18.90 Road, bears NE. and SW.
- 22.80 Ravine, course NE.; ascend 55 ft. over SE. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

 $\frac{1}{4}$

S. 24 | S 19

1935

from which

A pine, 14 ins. diam., bears N. 89° E., 59 lks. dist.,
mkd. $\frac{1}{4}$ S 19 B T.A pine, 7 ins. diam., bears S. $57\frac{1}{2}^{\circ}$ W., 70 lks. dist.,
mkd. $\frac{1}{4}$ S 24 B T.

This corner is on a spur, sloping NE.

Descend 47 ft. over rocky NE. slope.

- 47.70 Gulch, course SE.; ascend 52 ft. over broken SE. slope.
- 56.00 Ridge, bears E. and W.; descend 29 ft. over NE. slope.
- 67.70 Ravine, course E.; ascend 23 ft. over SE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
ground, for cor. of secs. 13, 18, 19 and 24, with brass cap
mkd.

T 11 N
R 16 E R 17 E
S 13 | S 18
S 24 | S 19

1935

W. Bdy. of T. 11 N., R. 17 E.

Chains

from which

A pine, 16 ins. diam., bears N.43 $\frac{1}{2}$ °E., 66 lks. dist.,
mkd. T 11 N R 17 E S 18 B T.

A pine, 24 ins. diam., bears S.63°E., 135 lks. dist.,
mkd. T 11 N R 17 E S 19 B T.

A pine, 20 ins. diam., bears S. 60°W., 119 lks. dist.,
mkd. T 11 N R 16 E S 24 B T.

A pine, 12 ins. diam., bears N.69 $\frac{1}{2}$ °W., 132 lks. dist.,
mkd. T 11 N R 16 E S 13 B T.

Land, rolling.

Soil, sandy and gravelly loam; 2nd and 3rd rate.

Timber, pine, oak and juniper; undergrowth, same.

North, bet. secs. 13 and 18.

Over SE. slope, through heavy timber and scattering
undergrowth; ascend slightly.

3.30 Top of ascent; descend 94 ft. over N. slope.

26.70 Gulch, course NE.; ascend 64 ft. over SE. slope.

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

$\frac{1}{4}$.

S13 | S18

1935

from which

A pine, 15 ins. diam., bears N.70°E., 71 lks. dist.,
mkd. $\frac{1}{4}$ S 18 B T.

A pine, 14 ins. diam., bears N.31°W., 31 lks. dist.,
mkd. $\frac{1}{2}$ S 13 B T.

Ascend slightly over rocky SE. slope.

50.00 Top of ascent; descend 113 ft. over broken NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the
ground, for cor. of secs. 7, 12, 13 and 18, with brass cap
mkd.

T 11 N
R16E R17E

S12 | S 7
S13 | S18

1935

from which

A pine, 30 ins. diam., bears N.66 $\frac{1}{2}$ °E., 105 lks. dist.,
mkd. T 11 N R 17 E S 7 B T.

A pine, 24 ins. diam., bears S.47 $\frac{1}{2}$ °E., 153 lks. dist.,
mkd. T 11 N R 17 E S 18 B T.

A pine, 16 ins. diam., bears S.63 $\frac{1}{2}$ °W., 143 lks. dist.,

W. Bdy. of T. 11 N., R. 17 E.

Chains

mkd. T 11 N R 16 E S 13 B T.

A pine, 12 ins. diam., bears N.34 1/4°W., 113 lks. dist.,
mkd. T 11 N R 16 E S 12 B T.

Land, rolling.

Soil, sandy gravelly loam; 2nd and 3rd rate.

Timber, pine, oak and juniper; undergrowth, oak and pine.

North, bet. secs. 7 and 12.

Over rocky NE. slope, through heavy timber and scattering
undergrowth; descend 22 ft.

8.00 Road, bears NW. and SE.

10.20 Buckskin Wash, course NW.

23.10 Bend in same wash, from SW. to NW.; thence on W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in the
ground, for 1/4 sec. cor., with brass cap mkd.

1/4
S 12 | S 7
1935

from which

A pine, 16 ins. diam., bears S.76 1/4°E., 49 lks. dist.,
mkd. 1/4 S 7 B T.

A pine, 14 ins. diam., bears N.60 1/4°W., 46 lks. dist.,
mkd. 1/4 S 12 B T.

Raise a mound of stone, 3 ft. base, 2 ft. high, around
post.

Descend slightly over NW. slope.

43.50 Bend in Buckskin Wash, course NE.

52.10 Gulch, course NE., for 3 chs., then joins Buckskin Wash.

62.50 Buckskin Wash, course NW.; ascend 29 ft.

69.90 Spur, slopes NW., descend 28 ft.

73.90 Ravine, course NW.; ascend 24 ft.

79.25 Point of spur, slopes W.; descend over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
ground to bedrock, and in a mound of stone to top, for
cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 11 N
R 16 E | R 17 E
S 1 | S 6
S 12 | S 7
1935

from which

A pine, 12 ins. diam., bears N.30 1/2°E., 48 lks. dist.,
mkd. T 11 N R 17 E S 6 B T.

W. Bdy. of T. 11 N., R. 17 E.

Chains

A pine, 22 ins. diam., bears S.37°E., 22 lks. dist.,
mkd. T 11 N R 17 E S 7 B T.

A pine, 14 ins. diam., bears S.50 $\frac{1}{4}$ °W., 52 lks. dist.,
mkd. T 11 N R 16 E S 12 B T.

A pine, 14 ins. diam., bears N.30 $\frac{1}{2}$ °W., 47 lks. dist.,
mkd. T 11 N R 16 E S 1 B T.

Land, rolling.

Soil, sandy and gravelly loam; 2nd and 3rd rate.

Timber, pine, oak and juniper; undergrowth, juniper and
pine.

North, bet. secs. 1 and 6.

Over NW. slope through heavy timber and scattering
undergrowth; descend 40 ft.

17.20 Ravine, course NW.

23.00 Ravine, course W.; ascend 114 ft. over rocky SE. slope.

37.70 Spur, slopes SW.; descend 20 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

s 1 | s 6

1935

from which

A pine, 62 ins. diam., bears S.37°E., 52 lks. dist.,
mkd. T 11 N R 16 E S 1 B T.

A pine, 12 ins. diam., bears N.49 $\frac{1}{2}$ °W., 156 lks. dist.,
mkd. T 11 N R 16 E S 1 B T.

Descend 120 ft. over NW. slope.

59.20 Gulch, course W.; ascend 118 ft. over rocky S. slope.

73.20 A 6 wire fence, bears N.49°E., and S.49°W.

74.60 Spur, slopes SW.; descend 35 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground to bed rock, and in a mound of stone to top, for cor.
of lots 1 and 8 of sec. 1, and lots 4 and 5 of sec. 6,
with brass cap mkd.

s 1 | 4 s 6
8 | 5

1935

Descend 62 ft. over NW. slope.

84.00 Ravine, course SW.; descend 35 ft. over S. slope.

85.08 Set an iron post, 3 ft. long, 3 ins. diam., on surface of
a rock ledge, in a mound of stone, 6 ft. base, 34 ins.
high, for cor. of Tps. 11 and 12 N., Rs. 16 and 17 E.,
with brass cap mkd.

W. Bdy. of T. 11 N., R. 17 E.

BOOK 4103

Chains

T 12 N	
R16E	R17E
S36	S31
S 1	S 6

T 11 N

1935

from which

A pine, 32 ins. diam., bears N. $33\frac{1}{2}^{\circ}$ E., 67 lks. dist.,
mkd. T 12 N R 17 E S 31 B T.

A pine, 8 ins. diam., bears S. $44\frac{1}{2}^{\circ}$ E., 58 lks. dist.,
mkd. T 11 N R 17 E S 6 B T.

A pine, 9 ins. diam., bears S. $36\frac{1}{4}^{\circ}$ W., 45 lks. dist.,
mkd. T 11 N R 16 E S 1 B T.

A pine, 12 ins. diam., bears N. 84° W., 88 lks. dist.,
mkd. T 12 N R 16 E S 31 B T.

From this cor., the cor. of secs. 1, 6, 7 and 12, T. 12 N.,
Rs. 16 and 17 E., bears N. $0^{\circ}12'W.$; an iron post, 3 ins.
diam., set and marked as described in the official record
and witnessed as follows;

A pine, 30 ins. diam., bears N. 32° E., 222 lks. dist.,

A pine, 26 ins. diam., bears S. 86° E., 50 lks. dist.,

A pine, 24 ins. diam., bears S. $78\frac{1}{2}^{\circ}$ W., 155 lks. dist.,

A pine, 26 ins. diam., bears N. $79\frac{1}{4}^{\circ}$ W., 312 lks. dist.,

All these trees are partially grown over but the marks
are visible.

Land, rolling hills.

Soil, sand and limestone with light top soil; 2nd
and 3rd rate.

Timber, pine, oak and juniper; undergrowth, same.

N. Bdy. of T. 11 N., R. 17 E.

From the corner of Tps. 11 and 12 N., Rs. 17 and 18 E.,
herein before described,

West, on a random line, setting temp. $\frac{1}{2}$ sec. and sec.
cors. at regular intervals of 40.00 and 80.00 chs., along
the line bet. Tps. 11 and 12 N., through R. 17 E.
At 478.35 chs., a point 68 lks. N. of the cor. of Tps.
11 and 12 N., Rs. 16 and 17 E. The correction is 11.3 lks.
S. per mile, counting from the point of beginning.

Thence

N. $89^{\circ}55'E.$, bet. secs. 6 and 31, marking and blazing the
line, through heavy timber and scattering undergrowth.

Descend 40 ft. over SE. slope.

1.70 Head of gulch, course SW., ascend 60 ft.

4.25 Limestone ledge, bears NE. and SW.; ascend gentle incline
sloping NW.

N. Bdy. of T. 11 N., R. 17 E.

Chains

- 14.30 Wire fence, bears S.49°W., and N.49°E., for 2½ chs., then turns N.70°E.
- 14.50 Enter rolling, nearly level land, bears NE. and SW.
- 34.20 An old road, bears N.15°W., and S.15°E.
- 38.35 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

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

1935

from which

A yellow pine, 16 ins. diam., bears S. 36°E., 63 lks. dist., mkd. ¼ S 6 B T.

A yellow pine, 12 ins. diam., bears N.41½°W., 119 lks. dist., mkd. ¼ S 31 B T.

- 63.00 Descend over gradual E. slope 25 ft. to
- 78.35 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

T12N R17E

$$\begin{array}{cc} S31 & S32 \\ S6 & S5 \end{array}$$

T11N.

1935

from which

A pine, 14 ins. diam., bears N.56¾°E., 108 lks. dist., mkd. T 12 N R 17 E S 32 B T.

A pine, 9 ins. diam., bears S.45½°E., 124 lks. dist., mkd. T 11 N R 17 E S 5 B T.

A pine, 16 ins. diam., bears S.27½°W., 107 lks. dist., mkd. T 11 N R 17 E S 6 B T.

A double juniper, 10 ins. diam., bears N.77½°W., 73 lks. dist., mkd. T 12 N R 17 E S 31 B T.

Land, hilly, rolling and level.
Soil, sandy loam and stony; 1st and 3rd rate.
Timber, pine, juniper and oak; undergrowth, same.

N.89°55'E., on true line bet. secs. 5 and 32.

Over rolling land, through heavy timber and scattering undergrowth.

Descend gradually on E. slope.

- 11.80 Dry wash, 20 lks. wide, 5 ft. deep, course N.15°E.
- 20.10 A fence, bears N.75°W., and S.75°E.
- 35.00 A draw, course NE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground and in a mound of stone, 2 ft. base, 5 ins. high,

N. Bdy. of T. 11 N., R. 17 E.

Chains	for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S \ 32}{S \ 5}$ 1935
	from which
	A yellow pine, 14 ins. diam., bears N.4 $\frac{1}{2}$ °E., 73 lks. dist., mkd. $\frac{1}{4}$ S 32 B T.
	A yellow pine, 12 ins. diam., bears S.13 $\frac{1}{2}$ °E., 61 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.
40.90	A drain, 20 lks. wide, 3 ft. deep, course N.15°E.
66.50	Swale, course N., timber becomes scattering.
76.85	A truck trail, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with brass cap mkd.
	$\begin{array}{c} T12N \ R17E \\ S32 \ S33 \\ S \ 5 \ S \ 4 \\ T11N \\ 1935 \end{array}$
	from which
	A double pine, 7 ins. diam., bears N.44°E., 109 lks. dist., mkd. T 12 N R 17 E S 33 B T.
	A pine, 10 ins. diam., bears S.60 $\frac{1}{2}$ °E., 110 lks. dist., mkd. T 11 N R 17 E S 4 B T.
	A pine, 6 ins. diam., bears S.22 $\frac{1}{2}$ °W., 110 lks. dist., mkd. T 11 N R 17 E S 5 B T.
	A pine, 7 ins. diam., bears N.88 $\frac{1}{2}$ °W., 89 lks. dist., mkd. T 12 N R 17 E S 32 B T.
	Land, rolling and level.
	Soil, sandy and gravelly loam; 1st and 2nd rate.
	Timber, pine and juniper; undergrowth, same.
	N.89°55'E., on true line bet. secs. 4 and 33.
	Over rolling land, through scattering timber and dense undergrowth.
8.00	Enter nearly level land, good soil, bears NE. and SW.
14.65	A dim road, bears NW. and SE.
16.55	West bank of a dry wash, 3 ft. deep, course NE.
18.55	East bank of the wash, course N.15°E.
20.20	Road, bears N.15°E., and S.15°W., joins the main Aripine-Heber road, 2 chs. N. of line.
37.50	Drain, course N., to small reservoir 4 chs. N.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \frac{S \ 33}{S \ 4}$ 1935
	from which
	A yellow pine, 5 ins. diam., bears S.22 $\frac{1}{2}$ °E., 13 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.
	A yellow pine, 9 ins. diam., bears N.1 $\frac{1}{2}$ °W., 77 lks. dist., mkd. $\frac{1}{4}$ S 33 B T.
47.60	Swale, course NW.

N. Bdy. of T. 11 N., R. 17 E.

Chains 55.30	An old dim road, bears NW. and SE.
65.14	Fence, bears N. and S.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.
	T12N R17E S33 S34 S 4 S 3 T11N 1935
	from which
	A pine, 5 ins. diam., bears N.39°E., 68 lks. dist., mkd. T 12 N R 17 E S 34 B T.
	A pine, 8 ins. diam., bears S.64½°E., 138 lks. dist., mkd. T 11 N R 17 E S 3 B T.
	A pine, 6 ins. diam., bears S.64½°W., 149 lks. dist., mkd. T 11 N R 17 E S 4 B T.
	A pine, 10 ins. diam., bears N.49½°W., 8 lks. dist., mkd. T 12 N R 17 E S 33 B T.
	Land, rolling and hilly. Soil, gravelly clay loam; 2nd rate. Timber, yellow pine, pinion and juniper; Undergrowth, same.
	N.89°55'E., on true line bet. secs. 3 and 34.
	Over rolling land, through scattering timber and dense undergrowth.
4.65	A swale, course N.
27.62	Fence, bears N.30°E., and S.30°W., 87 lks. to cor. of fences bearing NE. and E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 34 S 3 1935
	from which
	A pine, 18 ins. diam., bears N.29°E., 153 lks. dist., mkd. ¼ S 34 B T.
	A pine, 15 ins. diam., bears S.59½°W., 196 lks. dist., mkd. ¼ S 3 B T.
	From the ¼ sec. cor., corner No. 4 of H.E.S. 246, bears N.22°33'W., 14.90 chs. dist.; a stone, 10x8x6 ins. above ground, mkd. and witnessed as described in the official record.
51.70	A drain, course N.15°E.
54.75	A fence, bears N.30°E., and S.30°W.
59.60	Top of a cut bank, 30 ft. high, bears N.10°E., and S.10°W.
61.50	W. bank of a dry wash, 5 ft. deep, course N.10°E.
64.60	E. bank of the wash.
68.80	Fence, bears N.70°W., and S.70°E., and road to Phoenix Park, bears N.30°E., and S.30°W.

N. Bdy. of T. 11. N., R. 17 E.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap mkd.

T12N R17E
 S34 | S35
 S 3 | S 2
 T11N
 1935

from which

A pine, 11 ins. diam., bears N.71 $\frac{1}{4}$ °E., 56 lks. dist., mkd. T 12 N R 17 E | S 35 B T.

A pine, 20 ins. diam., bears S.42 $\frac{1}{2}$ °E., 69 lks. dist., mkd. T 11 N R 17 E S 2 B T.

A pine, 6 ins. diam., bears S.82 $\frac{1}{2}$ °W., 44 lks. dist., mkd. T 11 N R 17 E S 3 B T.

A pine, 12 ins. diam., bears N.13°W., 70 lks. dist., mkd. T 12 N R 17 E S 34 B T.

Land, rolling.

Soil, gravelly clay loam; 2nd rate.

Timber, yellow pine, pinon and juniper; undergrowth, juniper and pinon.

N.89°55'E., on true line bet. secs. 2 and 35.

Over rolling land, through scattering timber and dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap mkd.

S 35
 S 2
 1935

from which

A juniper, 14 ins. diam., bears N.20°E., 88 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.

A pine, 6 ins. diam., bears S.59 $\frac{1}{2}$ °E., 88 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

From the $\frac{1}{4}$ sec. cor., corner Nos. 2, H.E.S. Nos. 548 and 549, bears N.72°34'E., 8:04 chs. dist.; an iron post, 2 ins. diam., 14 ins. above ground, mkd. and witnessed as described in the official record.

52.55 Fence bears N.20°E., and S.20°W., approx. 30 lks., then turns nearly W.

55.62 Forest Service telephone line, bears N.57 $\frac{1}{2}$ °W., and S.57 $\frac{1}{2}$ °E.

60.50 Old Heber road, bears N.78°W., and S.78°E.

72.90 A ranch road, bears N: and SE.

74.24 A point 9 lks. S. of the cor. of fences, bearing N: and E.

74.35 Road, bears N. and S.

Chains 74.45	A point 13 lks. S. of cor. No. 4 of H.E.S. No. 452; a sandstone 12x6x4 ins. above ground, marked and witnessed as described in the official record.										
79.75	Descend into valley from bench land.										
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to rock, and in a mound of stone, 4 ft. base, 18 ins. high, for cor. of secs. 1, 2, 35 and 36, with brass cap mkd.										
	<table style="margin: auto;"> <tr><td>T12N</td><td>R17E</td></tr> <tr><td>S35</td><td>S36</td></tr> <tr><td>S 2</td><td>S 1</td></tr> <tr><td colspan="2" style="text-align: center;">T11N</td></tr> <tr><td colspan="2" style="text-align: center;">1935</td></tr> </table>	T12N	R17E	S35	S36	S 2	S 1	T11N		1935	
T12N	R17E										
S35	S36										
S 2	S 1										
T11N											
1935											
	from which										
	A yellow pine, 20 ins. diam., bears N.2°E., 85 lks. dist., mkd. T 12 N R 17 E S 36 B T.										
	A yellow pine, 20 ins. diam., bears S.45°E., 96 lks. dist., mkd. T 11 N R 17 E S 1 B T.										
	A yellow pine, 24 ins. diam., bears S.82½°W., 14 lks. dist., mkd. T 11 N R 17 E S 2 B T.										
	A yellow pine, 26 ins. diam., bears N.15°W., 166 lks. dist., mkd. T 12 N R 17 E S 35 B T.										
	Land, rolling. Soil, loam and gravelly clay; 1st and 2nd rate. Timber, pine and juniper; undergrowth, same and oak.										
	N.89°55'E., on true line bet. secs. 1 and 36.										
	Over rolling land, through scattering timber and undergrowth; descend 25 ft.										
2.60	Enter creek bottom, bears NE. and SW.										
7.65	Wire fence, bears S., and N. 18 lks. to cor. of fences bearing S.E. and W.										
8.15	W. bank of Phoenix Park wash, 3 ft. high, course N.15°E., and S.15°W.										
10.00	Center of main channel of Phoenix Wash, dry, course N.15°E.										
12.35	E. bank of wash, 2 ft. high, course N. and S.; enter dense undergrowth and rolling upland.										
24.20	Fence, bears S., and N. 13 lks. to junction with fence bearing E. and W.										
24.45	A point 12 lks. S. of cor. No. 1 of H.E.S. No. 452; a sandstone, 12x10x8 ins. above ground, mkd. and witnessed as described in the official record.										
25.20	Old road, bears N. and S.										
33.00	Fence, bears S.87°E., and N.87°W.										
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and in a mound of stone, 3 ft. base, 16 ins. high										

N. Bdy. of T. 11 N., R. 17 E.

Chains

for $\frac{1}{4}$ sec. cor., with brass cap mkd.
$$\frac{\frac{1}{4}}{S} \frac{S}{1} \frac{36}{1}$$

1935

from which

A pine, 5 ins. diam., bears N.20°E., 86 lks. dist.,
mkd. $\frac{1}{4}$ S 36 B T.

A pine, 18 ins. diam., bears S.80 $\frac{1}{4}$ °W., 133 lks. dist.,
mkd. $\frac{1}{4}$ S 1 B T.

53.00 Enter hilly land; descend 30 ft.

69.70 Drain, 20 lks. wide, 3 ft. deep, course N.30°W.;
ascend 30 ft.80.00 The cor. of Tps. 11 and 12 N., Rs. 17 and 18 E.,
hereinbefore described.

Land, rolling, level and hilly.
Soil, gravelly clay and loam; 2nd and 3rd rate.
Timber, yellow pine, pinon and juniper; undergrowth, same.

For final test of instruments,
see field notes of the subdivisional lines of T. 11 N.,
R. 17 E., surveyed under this Group.

4-680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Party of Albinus N.Kimmell	U.S.Cadastral Engineer
Bert E.Wakeman	Principal Assistant
A.T.Scrivner	Principal Assistant
Raymond S.Davis	Chainman
Wm.J.Martin	Flagman
C.C.Dyer	Cornerman
Albert Jennings	Axman
Party of Charles E.Hunter	U.S.Transman
Orland K.Parks	Principal Assistant
John Midzor	Chainman
Dick Lewis	Flagman
Vern L.Frazee	Cornerman
Hugh Goff	Axman
Loral Leavitt	Axman
Party of Bert E.Wakeman	Public Land Surveyor
J.P.Hester	Principal Assistant
Raymond S.Davis	Chainman
Wm.J.Martin	Flagman
C.C.Dyer	Cornerman
Loral Leavitt	Axman

CERTIFICATE OF UNITED STATES SURVEYOR

We, Albinus N. Kimmell, U.S. Cadastral Engineer; Charles E. Hunter, U.S. Transitman and Bert E. Wakeman, Public Land Surveyor

HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 18th day of June 1934,

received from the district cadastral engineer for Arizona, with assignment August 22, and Sept. 12, 1935,

instructions dated we have surveyed the South, West and North Boundaries and re-surveyed part of the E. Bdy. of T. 11 N., R. 17 E.,

of the G. & S.R. Meridian, in the State of Arizona, which are

represented in the foregoing field notes as having been executed by us and under our direction; and that said and resurvey survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey

of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California, Jan. 30, 1936 Albinus N. Kimmell U.S. Cadastral Engineer

Glendale, California, Jan. 30, 1936 Charles E. Hunter U.S. Transitman

Phoenix, Arizona, Feb. 3, 1936 Bert E. Wakeman Public Land Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, Nov. 17, 1936.

The foregoing field notes of the survey of the South, West and North boundaries, and the resurvey of a part of the East boundary of Township 11 North, Range 17 East, of the Gila and Salt River Meridian, in the State of Arizona

executed by Albinus N. Kimmell, U.S. Cadastral Engineer, Charles E. Hunter, U.S. Transitman and Bert E. Wakeman, Public Land Surveyor

under special instructions dated June 18, 1934, and assignment instructions dated Aug. 22 and Sept. 12, 1935, having been critically examined, and

the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey and resurvey therein described, are hereby approved.

[Signature] U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above described surveys in is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.