

4-679
(April 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4227

FIELD NOTES

of RESURVEY of

Part of EAST boundary of Township 10 North, Range 11 East

and

Part of WEST boundary of Township 10 North, Range 12 East

and of SURVEY of

Part (Completion) of SOUTH boundary and

Part (Completion) of EAST boundary of Township 10 North, Range 11 E.

EAST boundary

NORTH boundary

Part (Completion) of WEST boundary

and All of the SUBDIVISION LINES of

Township 10 North, Range 12 East

Of the Gila and Salt River Meridian,

In the State of ARIZONA

EXECUTED BY

Horace M. Muscott, Surveyor

Claude F. Warner, Transitman

Frank Motch, Public Land Surveyor

supplemental
Under special instructions dated July 23, 1937, which provided
for the surveys included under Group No. 190, Ariz., bearing the approval of the
Commissioner of the General Land Office under date of August 10, 1937
and assignment instructions dated May 24, 1938

Resurvey and Survey commenced September 26, 1938.

Resurvey and Survey completed November 18, 1938.

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INDEX DIAGRAM.

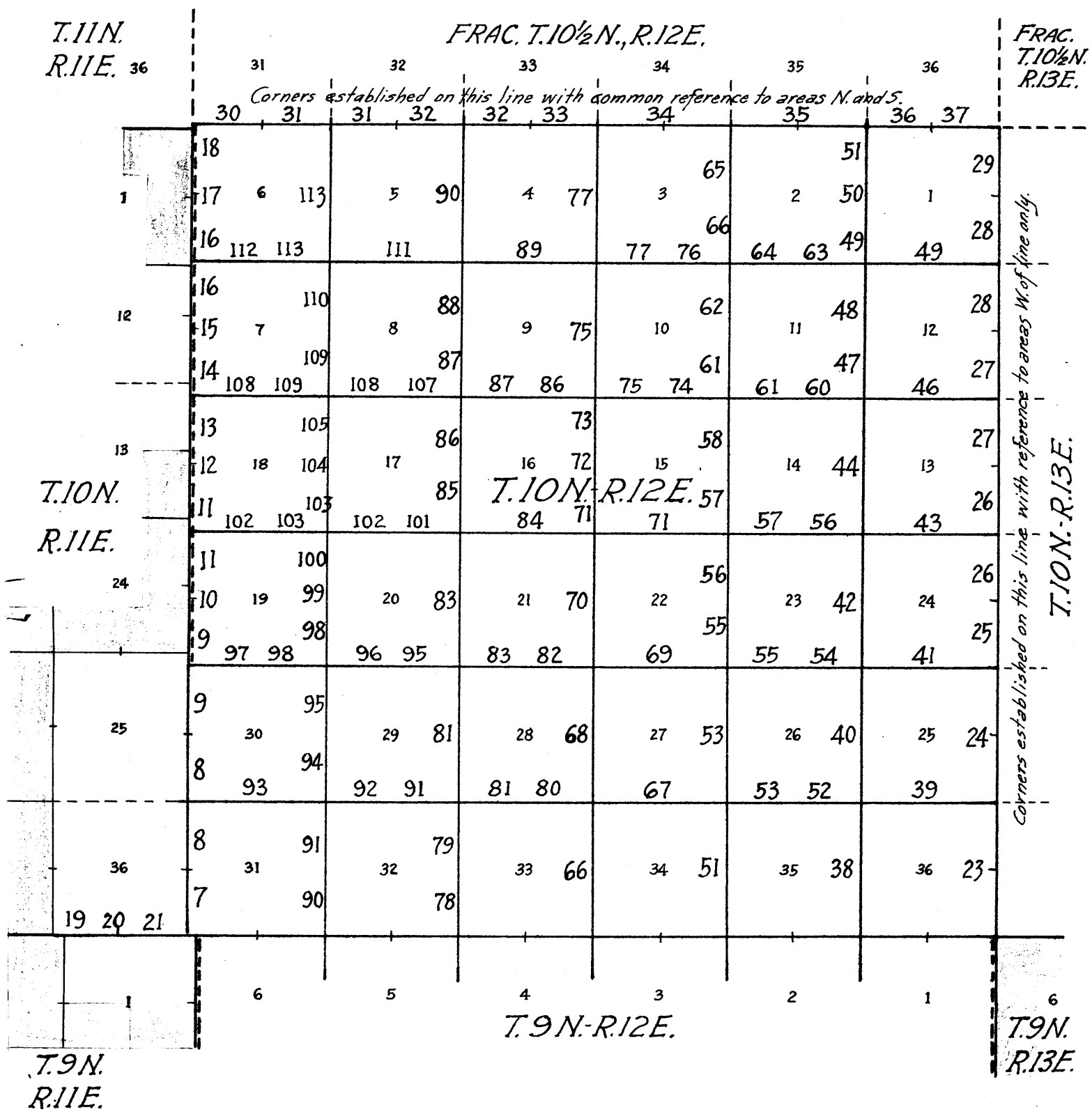
Township _____, *Range* _____

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


1A

INDEX DIAGRAM

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- Lines of accepted surveys.
- Lines resurveyed under this group.
- Lines surveyed under this group.
- Unsurveyed.

 Areas surveyed as per accepted plats on file.

The resurveys and surveys herein described were executed by Horace M. Muscott, Surveyor, Claude F. Warner, Transitman, and Frank Moteh, Public Land Surveyor, using, respectively, Buff and Buff transits Nos. 16723 and 9984, and Young and Son's transit No. 8526. Each of these instruments is equipped with an improved Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office. The instruments were examined by the District Cadastral Engineer for California and Arizona prior to the beginning of the surveys of this group, and were approved conditional upon satisfactory results of field tests of same.

The azimuths of all of the lines of survey herein described were determined with the solar attachments.

The measurements were made with Dietzgen steel tapes, 5 chs. in length, graduated every link for the first 100 lks. and the remainder at intervals of 10 lks. The tapes were tested by comparison with a Lufkin standard steel tape and found to be correct. All of the measurements were made on the slope; the vertical angle of each interval determined with a clinometer in good adjustment, and the horizontal equivalents entered in the field notes.

PRELIMINARY FIELD TESTS OF INSTRUMENTS.

Buff and Buff transit No. 16723
Horace M. Muscott, Surveyor.

September 25, 1938; at camp in the NW $\frac{1}{4}$ of sec. 36, T. 9 N., R. 12 E., G. & S.R. Meridian, Arizona, latitude 34°05'N., longitude 111°04 $\frac{1}{2}$ 'W., examine the adjustments of Buff and Buff transit No. 16723 and find no errors, then, to test the solar apparatus of same by comparing its indications with a true meridian established at this station on August 16, 1938 by Polaris observation as described in field notes of survey of T. 9 N., R. 12 E., proceed as follows:

At 8h. 00m., a.m., app.t., set off 34°05'N. on the lat. arc; 0°44'S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading on the decl. arc of 0°48 $\frac{1}{2}$ 'S., which agrees with the computed declination of the sun.

At 4h. 00m., p.m., app.t., with the lat. arc unchanged; set off 0°51 $\frac{1}{2}$ 'S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, prior to beginning the surveys with same which are described in the following notes.

October 12, 1938; at camp at the Spurlock Ranch in the SW $\frac{1}{4}$ of sec. 33, T. 10 N., R. 13 E., unsurveyed, in latitude 34°09'42"N., and longitude 111°01'22"W., at 6h. 22.2m., p.m., l.m.t., observe Polaris at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a nail in a stake driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at eastern elongation 1°14'29".

October 13, 1938; after sunrise lay off the azimuth of Polaris 1°14 $\frac{1}{2}$ ' to the west, and mark the meridian thus determined, by a nail in a stake driven firmly in the ground, 5 chs. N.

Buff and Buff transit No. 9984
Claude F. Warner, Transitman.

October 13, 1938; at camp at the Spurlock Ranch in SW $\frac{1}{4}$ of sec. 33, T. 10 N., R. 13 E., unsurveyed, lat. 34°09'42" N., longitude 111°01'22"W., examine the adjustments of Buff and Buff transit No. 9984 and find no errors, then, to test the solar apparatus of same by comparing its indications with the true meridian determined by Polaris observation at this station as hereinbefore described, proceed as follows:

At 8h.00m., a.m., app.t., set off 34°09 $\frac{1}{2}$ 'N. on the lat. arc; 7°39'S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading of 7°43 $\frac{1}{2}$ 'S. on the decl. arc, which agrees with the computed declination of the sun.

At 4h.00m., p.m., app.t., with the lat. arc unchanged; set off 7°46 $\frac{1}{2}$ 'S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, prior to beginning the surveys with same, which are described in the following notes.

Young and Son's transit No. 8526
Frank Moteh, Public Land Surveyor.

October 13, 1938; at camp at the Spurlock Ranch in the SW $\frac{1}{4}$ of sec. 33, T. 10 N., R. 13 E., unsurveyed, latitude 34°09'42"N., longitude 111°01'22"W., examine the adjustments of Young and Son's transit No. 8526 and find no errors, then, to test the solar apparatus of same by comparing its indications with the true meridian established by Polaris observation at this station as hereinbefore described, proceed as follows:

At 8h. 00m., a.m., app.t., set off 34°09 $\frac{1}{2}$ 'N. on the lat. arc; 7°39'S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading of 7°43 $\frac{1}{2}$ 'S. on the decl. arc, which agrees with the computed declination of the sun.

At 4h. 00m., p.m., app.t., with the lat. arc unchanged; set off 7°46 $\frac{1}{2}$ 'S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, prior to beginning the surveys with same which are described in the following notes.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

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3.

Chains

The north 4 miles of West bdy. of T. 10 N., R. 12 E. were surveyed in 1904 by I. E. Oakes, U. S. Deputy Surveyor, establishing $\frac{1}{4}$ sec. and sec. cor. monuments alternately thereon, with common reference to areas both sides of the line, at 40 ch. intervals counting from the cor. of secs. 19, 24, 25 and 30, which sec. cor. he established by survey of offset line north 2 miles and east 1 mile from the cor. of secs. 35 and 36 on S. bdy. of T. 10 N., R. 11 E., the east mile of which Tp. bdy. was unsurveyed.

No retracement or resurvey of any part of the north 4 miles of West bdy. of T. 10 N., R. 12 E., nor of survey of the south 2 miles thereof, is of record.

The following notes describe a resurvey of the north 4 miles of said Tp. bdy., and a survey of the south 2 miles, thus completing survey of the Tp. bdy.

The subdivision lines of T. 10 N., R. 12 E., except lines bet. secs. 35 and 36; 25 and 36; 12 and 13; and 11 and 12, were surveyed in 1908 by C. L. Campbell, U.S.D.S. under Contract No. 116, as associate to I. E. Oakes, U.S. D.S. who executed under same contract in 1904, survey of exterior lines of said Tp., and the subdivision line bet. secs. 35 and 36 thereof.

These surveys are delineated on the plat of said Tp., approved Dec. 11, 1908, and no other plat of said Tp. is of record. On said Tp. plat, in the east range of secs., secs. 1, 24, and S. $\frac{1}{2}$ of sec. 13, are shown as surveyed areas, therefore, normally a resurvey of the portions of the range line forming the east bdrs. of such areas would be dependent upon the original cor. monuments thereon, and such cors. would retain their original reference to the areas west of the range line, however in view of the fact that there are no existing entries of land in the S. $\frac{1}{2}$ of sec. 13, the portion of the range line east thereof and east of sec. 12 is independently resurveyed on a direct line between the original cor. of secs. 13, 18, 19 and 24 and the original cor. of secs. 1, 6, 7 and 12. In this independent resurvey the intermediate original cor. monuments are destroyed and cors. referring to areas west of line reestablished at 40 ch. intervals in latitude counting from the original cor. of secs. 13, 18, 19 and 24, and placing a deficiency of 9.92 chs. in the N. $\frac{1}{2}$ of E. bdy. of sec. 12. All other original cor. monuments found on this Tp. bdy. are reconstructed in their original positions but are altered to refer to areas west of line only. The original cor. of secs. 19, 24, 25 and 30 could not be found, therefore reestablish the cor. of secs. 24 and 25 at a point 40 chs. due south from the original $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

The completion survey of the Tp. bdy. is executed by random line south from the reestablished cor. of secs. 24 and 25 to intersection with the east mile of S. bdy. of T. 10 N., R. 11 E. surveyed due east as hereinafter described; establishing cor. of Ts. 10 N., Rs. 11 and 12 E. at the point of intersection, thence North on true line, establishing common reference cors. at 40 chs. intervals; reestablishing cor. of secs. 19 and 30 at 160 chs. north from Tp. cor., and placing excess measurement at 8.84 chs. in N. $\frac{1}{2}$ of E. bdy. of sec. 25.

Northerly from the reestablished cor. of secs. 19 and 30 reestablish $\frac{1}{4}$ sec. and sec. cors. alternately, on the Tp. bdy. at 40 ch. intervals in latitude with reference to areas east of line only, and at 320 chs. in latitude N. from said sec. cor. reestablish the NW. cor. of T. 10 N., R. 12 E. and mark same to also refer to Frac. T. 10 $\frac{1}{2}$ N., R. 12 E., as SW. cor. thereof.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

4.

Chains	<p>The original cor. of Ts. 10 and 11 N., Rs. 11 and 12 E. is reconstructed in original position and altered to refer to Ts. 10 and 11 N., R. 11 E. only.</p> <p>All cors. reconstructed, reestablished, or established, in the resurvey and survey of West bdy. of T. 10 N., R. 12 E. as hereinafter described, or witness cors. thereto, are monumented with regulation brass-capped iron posts.</p>
	<p>Retracement for Resurvey.</p>
	<p>From original cor. of Ts. 10 and 11 N., Rs. 11 and 12 E. South, on random line, E. of sec. 1 (N.$\frac{1}{2}$).</p>
39.72	<p>A point 19 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 1 and 6.</p>
	<p>True course and dist. of N.$\frac{1}{2}$ of E. bdy. of sec. 1 are therefore, N. 0° 16' W., 39.72 chs.</p>
	<p>Thence</p>
	<p>South, on random line, E. of sec. 1 (S.$\frac{1}{2}$).</p>
39.76	<p>A point 6 lks. E. of original cor. of secs. 1, 6, 7 and 12.</p>
	<p>True course and dist. of S.$\frac{1}{2}$ of E. bdy. of sec. 1 are therefore, N. 0° 05' E., 39.76 chs.</p>
	<p>South, on random line, E. of secs. 12 and 13.</p>
42.19	<p>A point 3 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 7 and 12.</p>
	<p>Continue line and measurement.</p>
81.74	<p>A point 217 lks. W. of original cor. of secs. 7, 12, 13 and 18.</p>
	<p>Continue line and measurement.</p>
110.15	<p>A point 365 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 13 and 18.</p>
	<p>Continue line and measurement.</p>
150.07	<p>A point 362 lks. W. of original cor. of secs. 13, 18, 19 and 24.</p>
	<p>True course and dist. of Tp. bdy. E. of secs. 12 and 13 are therefore, N. 1° 23' W., 150.11 chs.</p>
	<p>South, on random line, E. of sec. 24 (N.$\frac{1}{2}$)</p>
39.72	<p>A point 9 lks. E. of original $\frac{1}{4}$ sec. cor. of secs. 19 and 24.</p>
	<p>True course and dist. of N.$\frac{1}{2}$ of E. bdy. of sec. 24 are therefore, N. 0° 08' E., 39.72 chs.</p>
	<p>Thence</p>
	<p>South, on random line, E. of sec. 24 (S.$\frac{1}{2}$).</p>
16.80	<p>Discontinue chaining at this point as the line ahead crosses Derrick Canyon, course SE., and precipitous cliffs on both sides of the canyon render chaining impracticable. Triangulate measurement as follows:</p>

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

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Chains

Set flag at this point designated "A".

Set flag "B" ahead on line on SW. side of canyon, vertical angle to which is $-24\frac{1}{4}^{\circ}$.From "B" chain a base East, 7.31 chs. to point "C", from which the flag "A" bears N. $12^{\circ} 51'$ W.

It is impracticable to obtain a longer base owing to precipitous slopes.

Included angles of the triangle "A-B-C" are, $12^{\circ} 51'$, $90^{\circ} 00'$ and $77^{\circ} 09'$, the sum of which is $180^{\circ} 00'$.

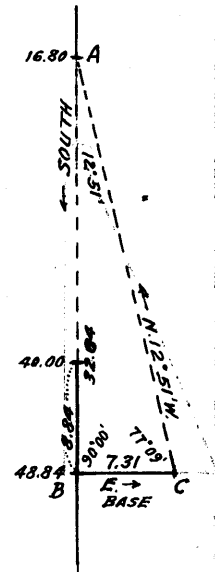
Dist. chained on random line to "A" = 16.80 chs. S.

Dist. triangulated "A" to "B" = 32.04 chs. S.Dist. on random line $\frac{1}{4}$ cor. to "B" = 48.84 chs. S.

From "B" chain return measurement N. 8.84 chs. on random line to

40.00 Make diligent search in this vicinity but fail to find any trace of the original cor. to secs. 19, 24, 25 and 30, therefore as this was the southern terminal of the original survey and no control cor. to the S. is of record, reestablish the cor. of secs. 24 and 25, T. 10 N., R. 11 E. at this point as hereinafter described.

True course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 24 are therefore, North, 40.00 chs., as per the official record of the original survey.



Random for Survey.

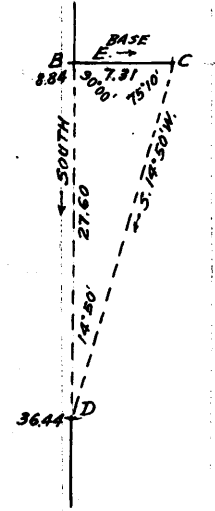
From cor. of secs. 24 and 25,

South, on random line, E. of secs. 25 and 36, T. 10 N., R. 11 E., to determine point for cor. of Ts. 10 N., Rs. 11 and 12 E., from which to initiate survey of the S. 2 miles of the Tp. bdy.

8.84 Triangulation point "B". Discontinue chaining as the line beyond this point passes over immense slides and broken cliffs, on SW. side of Derrick Canyon. Triangulate as follows:

Set flag "D" ahead on line on top of spur sloping S. 80° E., the vertical angle to which is $+28\frac{1}{2}^{\circ}$.

Use the same base (B-C) which was used in the triangulation on E. bdy. of sec. 24, hereinbefore described.

From point "C" the flag "D" bears S. $14^{\circ} 50'$ W.Included angles of the triangle B-C-D are, $90^{\circ} 00'$, $75^{\circ} 10'$ and $14^{\circ} 50'$, the sum of which is $180^{\circ} 00'$.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

6.

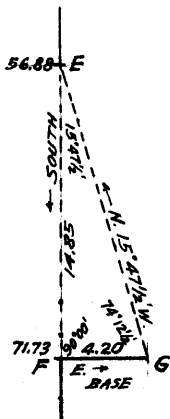
Chains

Chained dist. to "B" = 8.84 chs. S.
 Triangulated dist. "B" to "D" = 27.60 chs. S.

Dist. cor. secs. 24 and 25 to "D" = 36.44 chs. S.

36.44 Triang. point "D". Resume chaining and continue line and measurement.

56.88 Discontinue chaining owing to precipitous slides. Triangulate as follows: Designate this point as "E" and set flag.



Set flag "F" ahead on line, the vertical angle to which is +4°.

From "F" chain a base East, 4.20 chs. to point "G" from which the flag "E" bears N. 15° 47 1/2' W.

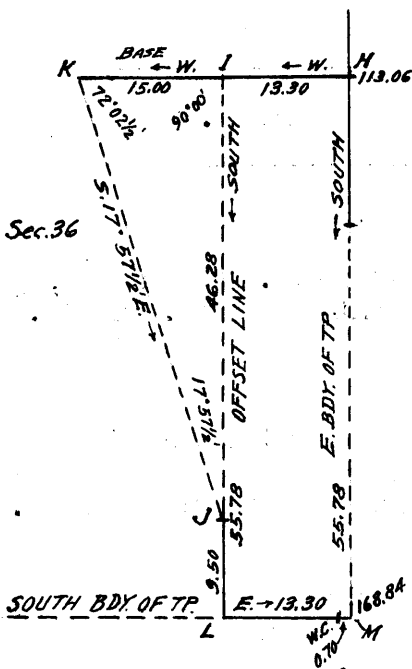
Included angles of the triangle "E-F-G" are, 15° 47 1/2', 90° and 74° 12 1/2', the sum of which is 180° 00'.

Total dist. cor. of secs. 24 and 25 to "E" = 56.88 chs. S.
 Triang. dist. "E" to "F" = 14.85 chs. S.

Total dist. cor. secs. 24 and 25 to "F" = 71.73 chs. S.

71.73 Triang. point "F". Resume chaining and continue line and measurement.

113.06 Offset point. To avoid cliffs ahead in Tonto Creek Canyon measure remainder of random Tp. bdy. by an offset line thru sec. 36, T. 10 N., R. 11 E. as follows:



Designate 113.06 ch. station as offset point "H". Thence chain measurement on offset line West, 13.30 chs. to offset point "I".

Thence, South, on offset line in sec. 36, parallel to and 13.30 chs. W. from Tp. bdy. This offset line crosses Tonto Creek Canyon, and owing to cliffs and slides, chaining from offset point "I" is impracticable, therefore triangulate as follows:

Set flag "J" on offset line on S. side of Tonto Creek Canyon, the vertical angle to which is +3°.

From offset point "I" chain a base West, 15.00 chs. to triang. point "K", from which flag "J" bears S. 17° 57 1/2' E.

Included angles of triangle "I-J-K" are, 90°, 17° 57 1/2' and 72° 02 1/2', the sum of which is 180° 00'.

Triang. dist. on offset line from "I" to "J" = 46.28 chs. S.

From triang. point "J" chain measurement on offset line South, 9.50 chs. to offset point "L" which is 55.78 chs. S. from offset point "I" and is due East from the cor. of secs. 35 and 36, T. 10 N., R. 11 E., as determined by the survey of the east mile of S. bdy. of said Tp., hereinafter described.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

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Chains

From offset point "L", chain measurement East 13.30 chs. on offset line, along S. bdy. of T. 10 N., R. 11 E., to point of intersection of the East and South bdrs. of said Tp. designated "M" which by the offset line H, I, J, L, M, is determined to be 168.84 chs. due south from the reestablished cor. of secs. 24 and 25, and is the true point for the establishment of the cor. of Ts. 10 N., Rs. 11 and 12 E. This point for Tp. cor. falls on slide rock surface where it is impracticable to monument the cor., therefore at a point 70 lks. West, Set an iron post, 3 ft. long, 3 ins. in diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to cor. of Ts. 10 N., Rs. 11 and 12 E., with brass cap marked

	T10N	
R11E	R12E	
S36	S31	WC
	S1	
T9N	R11E	

1938

from which

A pine, 8 ins. diam., bears N. $42\frac{1}{2}^{\circ}$ E., 29 lks. dist., marked WC T10N R11E S36 BT.

A pine, 10 ins. diam., bears N. 23° W., 61 lks. dist., marked WC T10N R11E S36 BT.

168.84

True point for cor. of Ts. 10 N., Rs. 11 and 12 E., witnessed 70 lks. W. as described above.

Thence

North, on true line, bet. secs. 31 and 36.

Measurement of 55.78 chs. by offset thru sec. 36 as hereinbefore described.

Over mountainous land, thru scattering timber and medium undergrowth.

Descend about 750 ft. over cliffs on NE. slope to Spring Creek.

20.00 (Approx.) Spring Creek, 25 lks. wide, course N. $38\frac{1}{2}^{\circ}$ W., in bottom of canyon, about 8 chs. SE. from its junction with Tonto Creek. Contains stream of water 15 lks. wide, 6 ins. deep. Asc. over steep broken SW. slope.

30.00 (Approx.) Point of spur slopes W. Desc. over NW. slope.

38.00 (Approx.) Tonto Creek, 30 lks. wide, course SW., in bottom of canyon, containing a stream of water, 20 lks. wide, 6 ins. deep. Asc. over cliffs facing SE.

40.00 True point for $\frac{1}{4}$ sec. cor. of secs. 31 and 36 falls on precipitous SE. slope where it is impracticable to monument the cor., therefore establish witness cor. at 1.00 ch. N.

From offset point at 55.78 ch. station, chain measurement South, 15.50 chs. to

40.28 Top of cliffs, bearing NE. and SW., facing SE.

Thence, North, on true line, bet. secs. 31 and 36, continuing measurement from Tp. cor. by chaining.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

8.

Chains	Asc. 16 ft. over SE. slope to
41.00	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap marked.
	$\frac{1}{4}$ S36 S31 WC 1938
	from which
	A juniper limb, 12 ins. diam., bears S. $32\frac{1}{2}^{\circ}$ E., 32 lks. dist., marked WC $\frac{1}{4}$ S31 BT.
	A juniper, 12 ins. diam., bears S. $53\frac{1}{2}^{\circ}$ W., 109 lks. dist., marked WC $\frac{1}{4}$ S36 BT.
	Asc. 440 ft. over SE. slope to point of spur.
55.78	Offset point "H". Continue line and measurement, by chaining.
70.87	Point of spur, sloping SE.; desc. 72 ft. over NE. slope.
76.50	Bottom of gulch, course SE.; asc. 171 ft. over SE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (X) chiseled on exposed bedrock, and in a mound of stone to top, for cor. of secs. 25, 30, 31 and 36, with brass cap marked
	T10N R11E R12E S25 S30 S36 S31 1938
	from which
	A juniper, 6 ins. diam., bears N. 42° E., 41 lks. dist., marked T10N R12E S30 BT.
	A pinyon, 6 ins. diam., bears S. $46\frac{1}{2}^{\circ}$ E., 100 lks. dist., marked T10N R12E S31 BT.
	A juniper, 6 ins. diam.; bears S. 77° W., 51 lks. dist., marked T10N R11E S36 BT.
	A juniper, 12 ins. diam., bears N. 9° W., 62 lks. dist., marked T10N R11E S25 BT.
	Land, mountainous and broken. Soil, rocky, 4th rate. Timber, juniper, pinyon and oak. Undergrowth, oakbrush, mountain mahogany and cacti.
	North, on true line, on W. bdy. of sec. 30.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 294 ft. over SE. slope.
11.34	Spur, slopes S. 70° E., near point of same. Desc. 30 ft. over NE. slope to

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

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9.

Chains

17.11 Triangulation point "F". Discontinue chaining. Measurement of 14.85 chs. across steep slide rock by triangulation hereinbefore described. Desc. 68 ft. over E. slope to

31.96 Triangulation point "E". Resume chaining. Asc. 19 ft. over SE. slope.

32.77 Spur, slopes E.; desc. 327 ft. over N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for 1/4 sec. cor. of secs. 25 and 30, with brass cap marked

1/4
S25 | S30
1938
from which

A pinyon, 12 ins. diam., bears N. 9° E., 50 lks. dist., marked 1/4 S30 BT.

A pinyon, 8 ins. diam., bears S. 50 1/4° W., 96 lks. dist., marked 1/4 S25 BT.

40.20 Bottom of ravine, 15 lks. wide, course SE.; asc. 434 ft. over steep S. slope.

52.40 Triangulation point "D" on spur, sloping S. 80° E. Discontinue chaining. Measurement of 27.60 chs. by triangulation hereinbefore described.

Desc. 987 ft. to sec. cor. point, over steep broken NE. slope into Derrick Canyon, across cliffs and sliderock.

80.00 Triangulation point "B" and point for reestablishment of the cor. of secs. 19 and 30, T. 10 N., R. 12 E. This point falls in sliderock where it is impracticable to monument the cor., therefore establish witness cor. at 50 lks. N. as hereinafter described.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, oak, juniper and pinyon.
Undergrowth, oakbrush.

RESURVEY

From true point for ~~reestablished~~ cor. of secs. 19 and 30, North, on true line, resurveying W. bdy. of sec. 19 and completing survey of E. bdy. of sec. 25, T. 10 N., R. 11 E.

Over mountainous land, thru scattering timber and dense undergrowth. Desc. 16 ft. over NE. slope to

0.50 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for witness cor. to ~~reestablished~~ cor. of secs. 19 and 30, T. 10 N., R. 12 E., with brass cap marked

T10N | T10N
R11E | S19
S25 | S30
R12E

W C
1938

Chains

from which
A juniper, 10 ins. diam., bears N. 83° E., 57 lks.
dist., marked WC T10N R12E S19 BT.

An oak, 5 ins. diam., bears S. 12° E., 108 lks.
dist., marked WC T10N R12E S30 BT.

Desc. 140 ft. over NE. slope.

5.70 Bottom of Derrick Canyon, 20 lks. wide, course SE.
Asc. 100 ft. over SW. slope to

8.84 (40.00 chs. S. from orig. $\frac{1}{4}$ sec. cor. of secs. 19 and 24)
Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins.
in the ground to bedrock, and in a mound of stone to
top, for ~~established~~ cor. of secs. 24 and 25, T. 10
N., R. 11 E., with brass cap marked

T10N		T10N
S24		R12E
S25		S19
R11E		

1938

from which

An oak, 5 ins. diam., bears S. 72° W., 55 lks.
dist., marked T10N R11E S25 BT.

No other bearing tree available.

Resurvey of N. 4 miles of E. bdy. of T. 10 N., R. 11 E.
begins at this cor.

Discontinue chaining owing to precipitous broken slopes.

Measurement to 32.04 ch. station by triangulation herein-
before described.

Ascend 1000 feet over broken cliffs facing SW.

32.04 Triangulation point "A". Resume chaining and continue
line and measurement.

Asc. 210 ft. over SW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over a
cross (X) chiseled on exposed bedrock, and in a mound
of stone to top, for ~~established~~ W. $\frac{1}{4}$ sec. cor. of sec.
19, with brass cap marked

| $\frac{1}{4}$
S19

1938

from which

A juniper, 5 ins. diam., bears N. 52 $\frac{3}{4}$ ° E., 100 lks.
dist., marked $\frac{1}{4}$ S19 BT.

A juniper, 10 ins. diam., bears S. 43° E., 70 lks.
dist., marked $\frac{1}{4}$ S19 BT.

Asc. 78 ft. over SW. slope to

46.70 Ridge, bears NW. and SE. Thence across top of ridge.

48.00 Leave top of ridge. Desc. slightly over N. slope to

48.84 (40.00 chs. N. from ~~established~~ cor. of secs. 24 and 25)

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

BOOK 4227

Chains

Intersect the original 1/4 sec. cor. of secs. 19 and 24, which is a granite stone 8x10x6 ins. above ground, firmly set, marked 1/4 on W. face, and witnessed by two bearing trees:

A juniper, 36 ins. diam., S. 75° E., 85 lks. dist., marked 1/4 S19 BT.

A juniper, 16 ins. diam., N. 12° W., 47 lks. dist., marked 1/4 S24 BT.

Reconstruct this cor. monument with altered reference as follows: remove the old cor. stone, and in same place set an iron post; 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for E. 1/4 sec. cor. of sec. 24; with brass cap marked

1/4 |
S24

1938

Obliterate the marking on the original bearing tree SE. of cor. and in addition to the original tree NW., establish a new bearing tree:

A juniper, 6 ins. diam., bears S. 63 1/2° W., 72 lks. dist., marked 1/4 S24 BT.

Thence

N. 0° 08' E., on true line, continuing measurement of W. bdy. of sec. 19.

Desc. 384 ft. over N. and NW. slopes.

70.44 Bottom of ravine, 100 lks. wide, course NE. Asc. 118 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for ~~reestablished~~ cor. of secs. 18, and 19, T. 10 N., R. 12 E., with brass cap marked

T10N | T10N
R11E | S18
S24 | S19
R12E

1938

from which

A juniper, 8 ins. diam., bears N. 31 1/2° E., 113 lks. dist., marked T10N R12E S18 BT.

A juniper, 8 ins. diam., bears S. 44° E., 187 lks. dist., marked T10N R12E S19 BT.

Land, mountainous and broken.

Soil, rocky, 4th rate.

Timber, juniper, oak and pinyon.

Undergrowth, oakbrush, mountain mahogany and cacti.

N. 0° 08' E., on true line, on W. bdy. of sec. 18,

Over mountainous land, thru scattering timber and dense undergrowth. Asc. 15 ft. over SE. slope.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

12

Chains									
2.69	Spur, slopes NE. Thence across nearly level top of same.								
5.00	Leave top of spur. Desc. 46 ft. over N. slope to								
8.56	(39.72 chs. N. 0° 08' E. from $\frac{1}{4}$ sec. cor. of sec. 24) Intersect the original cor. of secs. 13, 18, 19 and 24, which is a granite stone 8x8x12 ins. above ground, firmly set, marked with 3 notches on each of N. and S. faces, and witnessed by four bearing trees:								
	A juniper, 35 ins. diam., N. 85° E., 96 lks. dist., marked T10N R12E S18 BT.								
	A juniper, 26 ins. diam., S. 53 $\frac{3}{4}$ ° E., 117 lks. dist., marked T10N R12E S19 BT.								
	A juniper, 16 ins. diam., S. 18 $\frac{1}{2}$ ° W., 116 lks. dist., marked T10N R11E S24 BT.								
	A pinyon, 12 ins. diam., N. 66° W., 72 lks. dist., marked T10N R11E S13 BT.								
	Reconstruct this cor. monument with altered reference as follows: remove the old cor. stone, and in same place set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for cor. of secs. 13 and 24, T. 10 N., R. 11 E., with brass cap marked								
	<table border="1"> <tr> <td>T10N</td> <td>T10N</td> </tr> <tr> <td>S13</td> <td>R12E</td> </tr> <tr> <td>S24</td> <td>S18</td> </tr> <tr> <td>R11E</td> <td></td> </tr> </table>	T10N	T10N	S13	R12E	S24	S18	R11E	
T10N	T10N								
S13	R12E								
S24	S18								
R11E									
	1938								
	Obliterate the marking on the original bearing trees NE. and SE. of cor.								
	Thence								
	N. 1° 23' W., on true line, continuing measurement of West bdy. of sec. 18,								
	Desc. 126 ft. over steep N. slope.								
13.51	Drain, 5 lks. wide, course NE.; asc. 15 ft. over SE. slope.								
16.60	Thence over E. and NE. slopes, descending 71 ft. to								
24.93	Desc. 106 ft. over steep N. slope.								
29.87	Wash, 15 lks. wide, course E. for about 5 chs., thence SE. This wash is in bottom of canyon known as Brush Corral Canyon. Asc. 176 ft. over steep S. slope to $\frac{1}{4}$ sec. cor. of sec. 18, over land bare of timber and under- growth.								
31.66	Barbed wire fence (4 wire) bears N. 80° W. and S. 80° E.								
40.01	(40.00 chs. northing) Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for re-established W. $\frac{1}{4}$ sec. cor. of sec. 18, with brass cap marked								

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

BOOK 4227

13

Chains

$\frac{1}{4}$ | S18

1938

from which

A juniper, 8 ins. diam., bears S. $84\frac{3}{4}^{\circ}$ E., 116 lks. dist., marked $\frac{1}{4}$ S18 BT.

No other bearing tree available.

Asc. 55 ft. over SE. slope.

42.89 Thence over E. slope, ascending gradually.

48.48 A point from which the original $\frac{1}{4}$ sec. cor. of sec. 13 bears East 100 lks. dist., which is a granite stone, 8x8x6 ins. above ground firmly set, marked $\frac{1}{4}$ on W. face, and witnessed by a mound of stone West. No bearing trees. Obliterate the marking on the stone and scatter the mound.

48.57 (40.00 chs. northing from cor. of secs. 13 and 24) Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for ~~reestablished~~ E. $\frac{1}{4}$ sec. cor. of sec. 13, with brass cap marked

$\frac{1}{4}$ | S13

1938

from which

A juniper, 8 ins. diam., bears N. $43\frac{1}{4}^{\circ}$ W., 107 lks. dist. marked $\frac{1}{4}$ S13 BT.

A pinyon, 8 ins. diam., bears S. $71\frac{1}{4}^{\circ}$ W., 61 lks. dist., marked $\frac{1}{4}$ S13 BT.

Desc. slightly over E. slope.

49.56 Bottom of ravine, 5 lks. wide, course SE., asc. 52 ft. over SE. slope.

54.05 Spur, slopes E. Saddle in same bears E. 100 lks. dist. Desc. 235 ft. over NE. slope.

62.92 Bottom of canyon, 50 lks. wide, course S. 70° E. Asc. 334 ft. over steep S. slope.

76.14 Spur, slopes SE., thence across top of spur.

76.91 A point 20 lks. W. of the original cor. of secs. 7, 12, 13 and 18, which is an ironstone 18x12x12 ins. above ground, firmly set in ground and mound of stone, marked with 2 notches on N. face and 4 notches on S. face, and witnessed by a mound of stone W. No bearing trees. Obliterate marking on the stone and scatter the mounds of stone.

Leave top of spur. Desc. 45 ft. over NE. slope to

80.02 (80.00 chs. northing) Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for ~~reestablished~~ cor. of secs. 7 and 18, T. 10 N., R. 12 E., with brass cap marked

Chains

T10N	T10N
R11E	S7
S13	S18
	R12E

1938

from which

An oak, 10 ins. diam., bears N. $22\frac{3}{4}^\circ$ E., 60 lks. dist., marked T10N R12E S7 BT.

A juniper, 20 ins. diam., bears S. $6\frac{1}{2}^\circ$ E., 58 lks. dist., marked T10N R12E S18 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, oak, juniper and pinyon.

Undergrowth, mountain mahogany, oakbrush and cacti.

N. $1^\circ 23'W.$, on true line, on W. bdy. of sec. 7.

Over mountainous land, thru medium timber and undergrowth.

Desc. 43 ft. over NE. slope.

7.06 Drain, 5 lks. wide, course SE. Asc. 12 ft. over SE. slope to

8.56 (80.00 chs. northing from cor. of secs. 13 and 24) Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ~~re-established~~ cor. of secs. 12 and 13, T. 10 N., R. 11 E., with brass cap marked

T10N	T10N
S12	R12E
S13	S7
R11E	

1938

from which

An ash, 8 ins. diam., bears S. 54° W., 183 lks. dist., marked T10N R11E S13 BT.

No other bearing tree available.

Asc. 235 ft. over SE. slope.

20.56 Spur slopes S. 30° W. from N. 3° E. Thence along W. slope of same, ascending 98 ft. to the $\frac{1}{4}$ sec. cor. of sec. 7.

36.45 A point 99 lks. E. of the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is a granite stone, 12x10x10 ins. above ground, firmly set, marked $\frac{1}{4}$ on W. face, and witnessed by a mound of stone W. No bearing trees. Obliterate marking on the stone and scatter the mound.

40.01 (40.00 chs. northing) Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for ~~re-established~~ W. $\frac{1}{4}$ sec. cor. of sec. 7, with brass cap marked

$\frac{1}{4}$
S7

1938

from which

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

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15

Chains

A juniper, 10 ins. diam., bears N. 21 $\frac{1}{2}$ ° E., 338 lks. dist., marked $\frac{1}{4}$ S7 BT.

A juniper, 36 ins. diam., bears S. 19 $\frac{1}{4}$ ° E., 230 lks. dist., marked $\frac{1}{4}$ S7 BT.

Asc. 35 ft. over SW. slope.

45.06 Spur, slopes E. from NW. At about 7 chs. E. of this point this spur turns to SE. At about 150 lks. E. from this point another spur heads and slopes S. 3° W. Descend 42 ft. over NE. slope to the E. $\frac{1}{4}$ sec. cor. of sec. 12.

46.56 Barbed wire fence (4 wire) bears N. 21° W. and S. 21° E.

48.57 (40.00 chs. northing from cor. of secs. 12 and 13) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ~~reestablished~~ E. $\frac{1}{4}$ sec. cor. of sec. 12, with brass cap marked

S12

1938

from which

A pinyon, 6 ins. diam., bears N. 67° W., 186 lks. dist., marked $\frac{1}{4}$ S12 BT.

A pinyon, 8 ins. diam., bears S. 14° W., 152 lks. dist., marked $\frac{1}{4}$ S12 BT.

Desc. 192 ft. over NE. slope.

61.10 Bottom of canyon, 10 lks. wide, course SE. Asc. 346 ft. over SW. slope to

78.65 (30.08 chs. N. 1°23'W. from E. $\frac{1}{4}$ sec. cor. of sec. 12) Intersect the original cor. of secs. 1, 6, 7 and 12, which is a granite stone 8x6x10 ins. above ground, firmly set in ground and small mound of stone, marked with 1 notch on N. face and 5 notches on S. face, and witnessed by a mound of stone W. No bearing trees of record. This cor. is on top of a ridge bearing E. and W. at this point, general bearing northerly and southerly, and forming divide between Tonto Creek to the east and Green Valley Creek to the west. A saddle in same bears West about 3 chs. distant from this cor. Reconstruct this cor. monument with altered reference as follows: remove the old cor. stone, and in same place set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for cor. of secs. 1 and 12, T. 10 N., R. 11 E., with brass cap marked

T10N | T10N
S1 | R12E
S12 | S7
R11E

1938

from which

A juniper, 6 ins. diam., bears S. 26 $\frac{1}{2}$ °W., 94 lks. dist., marked T10N R11E S12 BT.

A juniper, 10 ins. diam., bears N. 55° W., 58 lks.

Resurvey and Survey: West Bdy.: T. 10 N., R. 12 E.

16

Chains	<p>dist., marked T10N R11E S1 BT.</p> <p>Thence</p> <p>N. 0° 05' E., on true line, continuing measurement of W. bdy. of sec. 7.</p> <p>Over gently rolling land, on top of ridge.</p> <p>80.02 (80.00 chs. northing) Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for reestablished cor. of secs. 6 and 7, T. 10 N., R. 12 E., with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>T10N</td> <td>T10N</td> </tr> <tr> <td>R11E</td> <td>S6</td> </tr> <tr> <td>S1</td> <td>S7</td> </tr> <tr> <td></td> <td>R12E</td> </tr> </table> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A juniper, 8 ins. diam., bears N. 38$\frac{3}{4}$° E., 23 lks. dist., marked T10N R12E S6 BT.</p> <p>A juniper, 8 ins. diam., bears S. 32° E., 73 lks. dist., marked T10N R12E S7 BT.</p> <p>Land, mountainous. Soil, rocky and gravelly, 4th rate. Timber, juniper and pinyon. Undergrowth, scrub juniper and oakbrush.</p>	T10N	T10N	R11E	S6	S1	S7		R12E
T10N	T10N								
R11E	S6								
S1	S7								
	R12E								
5.32	<p>N. 0° 05' E., on true line, on W. bdy. of sec. 6.</p> <p>Over mountainous land, thru medium timber and undergrowth.</p> <p>Desc. 64 ft. over NW. slope of flat-topped spur, sloping N.</p> <p>Thence along W. slope from same spur. Desc. gradually to</p>								
33.64	<p>Asc. 34 ft. over SW. slope to</p>								
38.39	<p>(39.76 chs. N. 0° 5' E. from the cor. of secs. 1 and 12) Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a granite stone 8x8x8 ins. above ground, firmly set, marked $\frac{1}{4}$ on W. face, and witnessed by a mound of stone W. No bearing trees.</p> <p>Reconstruct this cor. monument with altered reference as follows: remove the old cor. stone, and in same place set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for E, $\frac{1}{4}$ sec. cor. of sec. 1, with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>$\frac{1}{4}$</td> <td> </td> </tr> <tr> <td>S1</td> <td> </td> </tr> </table> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A juniper, 6 ins. diam., bears S. 41$\frac{3}{4}$° W., 89 lks. dist., marked $\frac{1}{4}$ S1 BT.</p> <p>A juniper, 8 ins. diam., bears N. 30$\frac{3}{4}$° W., 103 lks. dist., marked $\frac{1}{4}$ S1 BT.</p> <p>This cor. is on flat top of same spur, sloping N. 10° W.</p> <p>Thence</p>	$\frac{1}{4}$		S1					
$\frac{1}{4}$									
S1									

Resurvey and Survey; West Bdy.: T. 10 N., R. 12 E.

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17

Chains

N. 0° 16' W., on true line, continuing measurement of W. bdy. of sec. 6.

Across flat top of spur, descending gradually to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for ~~reestablished~~ W. 1/4 sec. cor. of sec. 6, with brass cap marked

1/4 S6

1938

from which

A juniper, 10 ins. diam., bears N. 58 1/4° E., 63 lks. dist., marked 1/4 S6 BT.

A juniper, 8 ins. diam., bears S. 47° E., 95 lks. dist., marked 1/4 S6 BT.

Continue across flat top of spur sloping N. 10° W.

43.30 Leave top of spur. Desc. 322 ft. to Little Green Valley Creek, over NE., E. and N. slopes, successively.

47.19 Well defined cow trail, bears N. 20° E. and S. 5° W.

56.39 Thence over E. slope.

64.55 Thence over steep N. slope.

71.62 Dry bed of Little Green Valley Creek, 30 lks. wide, course N. 70° W., in bottom of canyon. Asc. 150 ft. over S. slope to

78.11 (39.72 chs. N. 0° 16' W. from E. 1/4 sec. cor. of sec. 1) Intersect the original cor. of Ts. 10 and 11 N., Rs. 11 and 12 E., which is a granite stone 10x8x18 ins. firmly set in a mound of stone, marked with 6 notches on each of E., W.; N. and S. faces, and witnessed by one bearing tree: a pinyon, 14 ins. diam., East, 73 lks. dist. marked T11N R11 1/2 E S31 BT. This tree is not officially recorded. The two record bearing trees NW. and SW. of cor. could not be found.

Reconstruct this cor. monument with altered reference as follows:

remove the old cor. stone, and in same place set an iron post, 3 ft. long, 3 ins. in diam., 6 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for cor. of Ts. 10 and 11 N., R. 11 E., with brass cap marked

T10 1/2 N | T10N
R11E | R12E
S36 | S6
S1 |
T10N |

1938

from which

A pinyon, 5 ins. diam., bears S. 57 1/2° W., 74 lks. dist., marked T10N R11E S1 BT.

A juniper, 20 ins. diam., bears N. 30° W., 91 lks. dist., marked T10 1/2 N R11E S36 BT.

Obliterate the marking on the bearing tree found E. of this cor.

Chains

Note: The marking "T10 $\frac{1}{2}$ N" on the brass cap, and on the NW. bearing tree is erroneous, and should be "T11N", as unsurveyed T. 11 N., R. 11 E., adjoins T. 10 N., R. 12 E. on the North, and will be practically a full township, when surveyed.

The resurvey of North four miles of East bdy. of T. 10 N., R. 12 E. terminates at the above described Tp. cor.

Thence

North, on true line, continuing measurement of W. bdy. of sec. 6, and completing resurvey of north four miles of W. bdy. of T. 10 N., R. 12 E.

Asc. gradually over SE. slope to

80.00

Set an iron post, 3 ft. long, 3 ins. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for reestablished cor. of T. 10 N., R. 12 E. (NW. cor.) and original cor. of Frac. T. 10 $\frac{1}{2}$ N., R. 12 E. (SW. cor.) with brass cap marked

T10 $\frac{1}{2}$ N	T10 $\frac{1}{2}$ N
R11E	R12E
S36	S31
	S6
	T10N

1938

from which

A juniper, 6 ins. in diam., bears N. 72 $\frac{1}{2}$ ° E., 191 lks. dist., marked T10 $\frac{1}{2}$ N R12E S31 BT.

A juniper, 10 ins. diam., bears S. 38° E., 99 lks. dist., marked T10N R12E S6 BT.

Note: The marking "T10 $\frac{1}{2}$ N" in the west half of the brass cap is erroneous as the area to the west of this cor. is in sec. 36, T. 11 N., R. 11 E., unsurveyed.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper, oak and pinyon.

Undergrowth, mountain mahogany, oakbrush and ceonathus.

Survey: Part (Completion): South Bdy.: T. 10 N., R. 11 E.

BOOK 4227

19

Chains

The west 5 miles of the south bdy. of T. 10 N., R. 11 E. were surveyed in 1904 by I. E. Oakes, U.S. Deputy Surveyor, establishing common reference $\frac{1}{4}$ sec. and sec. cors. thereon at 40 ch. intervals, counting from the cor. of Ts. 9 and 10 N., Rs. 10 and 11 E.

No survey of the east mile of this Tp. bdy. is of record.

Later in 1904, J. J. Fisher, U.S. Deputy Surveyor, surveyed the subdivision lines of T. 9 N., R. 11 E., establishing closing sec. cors. on this Tp. bdy. at points east of the original sec. cors. thereon. This changed the reference of all of the $\frac{1}{4}$ sec. and sec. cors. on the Tp. bdy. to areas N. thereof only. At same time surveyor Fisher surveyed the West bdy. of T. 9 N., R. 12 E., north to a point 86.87 chs. due east from the original cor. of secs. 1, 2, 35 and 36, and at that point he established closing cor. of Ts. 9 N., Rs. 11 and 12 E. This Tp. closing cor., and the closing cor. of secs. 1 and 2, T. 9 N., R. 11 E., are therefore east from the portion of the South bdy. of T. 10 N., R. 11 E. surveyed earlier in the year by deputy surveyor I. E. Oakes. In order to properly close his survey of secs. 2, 3, 4, 5 and 6 of T. 9 N., R. 11 E., surveyor Fisher retraced the west 5 miles of the S. bdy. of T. 10 N., R. 11 E.

No other retracement or resurvey of any part of this Tp. bdy. is of record.

The following notes describe the survey of the S. bdy. of sec. 36, T. 10 N., R. 11 E., due East to a point due south from the original $\frac{1}{4}$ sec. cor. of secs. 19 and 24 on the East bdy. of the Tp., at which point establish the cor. of Ts. 10 N., Rs. 11 and 12 E. as hereinbefore described in notes of Resurvey and Survey of West bdy. of T. 10 N., R. 12 E. In this survey establish the S. $\frac{1}{4}$ sec. cor. of sec. 36 at 40.00 chs. east from the cor. of secs. 35 and 36 and place excess measurement in the E. $\frac{1}{2}$ of S. bdy. of sec. 36.

The cor. of secs. 35 and 36 is a granite boulder in place, exposed $3 \times 1 \frac{1}{2} \times 1$ ft. above ground, with a cross (X) chiseled on top at cor. point, 1 notch E. and 5 notches W. of cross; and witnessed by a mound of stone W. No bearing trees.

Reconstruct this cor. monument as follows:

remove the original cor. stone, and in same place set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for cor. of secs. 35 and 36, T. 10 N., R. 11 E., with brass cap marked

T10N	R11E
S35	S36
S 2	
T9N	R11E

1938

No bearing trees available.

Thence

East, on true line, on S. bdy. of sec. 36.

Over mountainous land, thru scattering timber and medium undergrowth.

Desc. 111 ft. over E. slope.

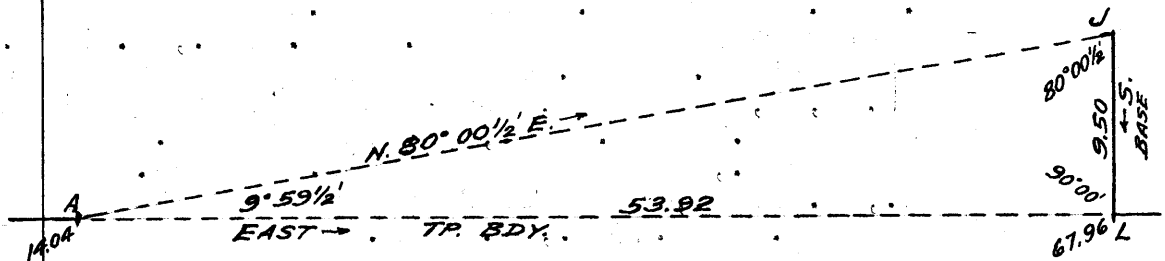
Survey: Part (Completion): South Bdy.: T. 10 N., R. 11 E.

Chains

4.14 Bottom of ravine, 10 lks. wide, course S. Asc. 373 ft. over W. slope.

6.81 (record dist.) Diligent search in this vicinity fails to reveal any trace of the closing cor. of secs. 1 and 2, T. 9 N., R. 11 E.

14.04 Spur, slopes SW. Discontinue chaining at this point as the Tp. bdy. east herefrom passes over Tonto Creek Canyon wherein precipitous slopes and cliffs render chaining impracticable. Triangulate measurement across the canyon as follows:



Designate 14.04 ch. station as triangulation point "A".

Set flag ahead on Tp. bdy. at offset point "L" of the offset line 13.30 chs. W. from E. bdy. of the Tp., hereinbefore described in notes of Resurvey and Survey of W. bdy. of T. 10 N., R. 12 E.

Set another flag at triangulation point "J" on same offset line, and bearing N. 80° 00 1/2' E. from triangulation point "A".

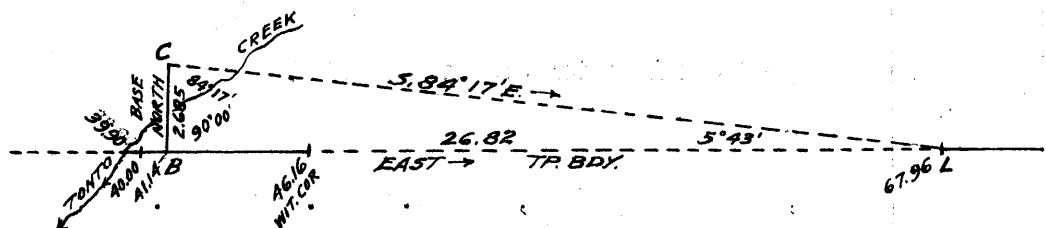
The base for this triangulation chained on the offset line from "J" to "L" as hereinbefore described is 9.50 chs. South.

Included angles of the triangle "A-J-L" are: 9° 59 1/2', 80° 00 1/2' and 90° 00', the sum of which is 180° 00'.

Dist. chained on Tp. bdy., sec. cor. to "A" = 14.04 chs. E.
Dist. triangulated "A" to "L" = 53.92 chs. E.

Total dist. on Tp. bdy., sec. cor. to "L" = 67.96 chs. E.

As the point for establishment of the S. 1/4 sec. cor. of sec. 36 is in Tonto Creek, in bottom of canyon, where it is impracticable to monument said cor., select a point on Tp. bdy. E. therefrom, within prescribed limit of distance, for establishment of a witness cor. to said 1/4 sec. cor. It being impracticable to chain return measurement from 67.96 ch. station to the witness cor. point, owing to precipitous broken slopes, and as such point is invisible from 67.96 ch. station, triangulate return measurement to a point on Tp. bdy. west therefrom as follows:



Set flag "B" on Tp. bdy. near bottom of canyon, from which double chain a base North across Tonto Creek to point "C".

Survey: Part (Completion); South Bdy.: T. 10 N., R. 11 E.

BOOK 4227

21

Chains	
	<p>Mean of the two measurements of the base is 2.685 chs. A longer base cannot be obtained at this point owing to cliffs to the north of point "C".</p> <p>From point "C" a flag at triangulation point "L" (67.96 ch. station) bears S. 84°17'E.</p> <p>Included angles of the triangle "B-C-L" are: 90°00', 84°17' and 5°43', the sum of which is 180°00'.</p> <p>Dist. on Tp. bdy., cor. of secs. 35 and 36 to point "L" = 67.96 chs. E.</p> <p>Triangulated dist. from "L" to "B" = <u>26.82</u> chs. W.</p> <p>Dist. on Tp. bdy. cor., of secs. 35 and 36 to point "B" = 41.14 chs. E.</p> <p>From "B" chain measurement West, 1.24 chs. to</p>
39.90	<p>Tonto Creek, 40 lks. wide, course SW., in bottom of canyon, about 900 ft. below 14.04 and 67.96 ch. stations on S. bdy. of sec. 36. A stream of water, 25 lks. wide, 6 ins. deep, was flowing in the creek at the time of survey.</p> <p>Thence</p> <p>East, on S. bdy. of sec. 36, continuing measurement from sec. cor.</p>
40.00	<p>True point for S. $\frac{1}{4}$ sec. cor. of sec. 36 is at SE. edge of Tonto Creek where it is impracticable to monument the cor., therefore establish witness cor. at 6.16 chs. East.</p> <p>Leave Creek and bottom of canyon and ascend gradually over NW. slope.</p>
41.14	<p>Triangulation point "B". Continue chaining. Asc. over steep NW. slope to</p>
46.16	<p>Set an iron post, 3 ft. long, 1 in. in diam., over a cross (X) chiseled on exposed bedrock, and in a mound of stone to top, for witness cor. to S. $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap marked</p> <p style="text-align: center;">WC <u>$\frac{1}{4}$ S36</u></p> <p style="text-align: center;">1938</p> <p>No bearing trees available.</p> <p>This cor. is at base of cliffs bearing NE. and SW.</p> <p>Discontinue chaining. Measurement to 67.96 ch. station by triangulation hereinbefore described. Asc. over NW. and W. faces of cliffs to</p>
67.50	<p>(Approx.) Top of cliffs, bearing N. and SW. Asc. over steep W. slope.</p>
67.96	<p>Triangulation point "L". Chaining from this point to Tp. cor. was made as part of an offset line thru sec. 36 in the survey of part (completion) of W. bdy. of T. 10 N., R. 12 E. as hereinbefore described. Asc. 123 ft. over steep W. slope.</p>
73.55	<p>Spur, slopes N. 10° W. Desc. 50 ft. over NE. slope to</p>
80.56	<p>The witness cor. to cor. of Ts. 10 N., Rs. 11 and 12 E.</p>

Survey: Part (Completion): South Bdy.: T. 10 N., R. 11 E.

22

Chains

(70 lks. W. of cor. point), hereinbefore described.
Desc. over sliderock on steep NE. slope to

81.26 The true point for cor. of Ts. 10 N., Rs. 11 and 12 E.
on sliderock; an insecure place for a cor. monument.

Land, mountainous and broken.

Soil, rocky, 4th rate.

Timber, pinyon, juniper and oak. Sycamore in bottom of
Tonto Creek Canyon.

Undergrowth, oakbrush, mountain mahogany and cacti.

Survey: East Bdy.: T: 10 N., R. 12 E.

BOOK 4227 23

Chains

The following notes describe the survey of the East boundary of T. 10 N., R. 12 E., establishing $\frac{1}{4}$ sec. and sec. cors. alternately with reference to areas west of line only, at intervals of 40 chs., counting from the cor. of Ts. 9 and 10 N., Rs. 12 and 13 E. This Tp. cor. monument was reconstructed under this group as described in the field notes of survey of T. 9 N., R. 12 E.

Thence

North, on E. bdy. of sec, 36.

Over mountainous land thru medium timber and undergrowth.

Asc. 19 ft. over SE. slope.

3.39 Spur, slopes SW. Desc. 87 ft. over NW. slope.

13.20 Draw, course SW. Asc. 107 ft. over S. slope.

19.28 Spur, slopes SW. Asc. gradually over W. slope.

23.50 Desc. 60 ft. over broken W. slope.

30.64 Draw, course SW. Asc. 264 ft. over S. and SW. slopes to

40.00 Set an iron post, $\frac{3}{4}$ ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for E. $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap marked

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

1938

from which

A juniper, 30 ins. diam., bears S. $40\frac{1}{2}^\circ$ W., 175 lks. dist., marked $\frac{1}{4}$ S36 BT.

A juniper, 8 ins. diam., bears N. 36° W., 190 lks. dist., marked $\frac{1}{4}$ S36 BT.

Asc. 266 ft. over SW. slope.

53.70 Lower Corral trail, bears NW. and SE.

60.47 Ridge, bears NW. and SE. Desc. 127 ft. over NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 25 and 36, with brass cap marked

T10N
S25
S36
R12E

1938

from which

A juniper, 6 ins. diam., bears S. $76\frac{1}{2}^\circ$ W., 131 lks. dist., marked T10N R12E S36 BT.

A juniper, 6 ins. diam., bears N. $35\frac{1}{2}^\circ$ W., 151 lks. dist., marked T10N R12E S25 BT.

Land, mountainous.
Soil, rocky, 4th rate.

Chains	Timber, juniper, pinyon and oak. Undergrowth, oakbrush and bear grass.
	North, on E. bdy. of sec. 25, Over mountainous land, thru dense timber and medium undergrowth.
	Desc. 65 ft. over N. slope.
13.50	Draw, course NE.; desc. 50 ft. over NE. slope.
33.75	Desc. 116 ft. over N. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, for E. $\frac{1}{4}$ sec. cor. of sec. 25, with brass cap marked
	$\frac{1}{4}$ S25
	1938
	from which
	A juniper, 8 ins. diam., bears S. 43° W., 80 lks. dist., marked $\frac{1}{4}$ S25 BT.
	A yellow pine, 8 ins. diam., bears N. $72\frac{1}{4}^\circ$ W., 61 lks. dist., marked $\frac{1}{4}$ S25 BT.
	Desc. 86 ft. over N. slope.
43.63	Gulch, course N. 80° E. Asc. 137 ft. over SE. slope.
53.60	Spur, slopes NE. Desc. 264 ft. over N. slope.
65.16	Bottom of ravine, 5 lks. wide, course NE. Asc. 142 ft. over SE. slope.
79.30	Spur, slopes NE. Desc. 9 ft. over NW. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for cor. of secs. 24 and 25, with brass cap marked
	T10N S24 S25 R12E
	1938
	from which
	A pinyon, 10 ins. diam., bears S. 49° W., 60 lks. dist., marked T10N R12E S25 BT.
	A pinyon, 6 ins. diam., bears N. $40\frac{1}{2}^\circ$ W., 62 lks. dist., marked T10N R12E S24 BT.
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, oak, pinyon and yellow pine. Undergrowth, oakbrush, manzanita, and mountain mahogany.

- Chains
- North, on E. bdy. of sec. 24,
 - Over mountainous land, thru dense timber and medium undergrowth.
 - Desc. 453 ft. over NW. slope.
 - 15.00 Bottom of canyon, 5 lks. wide, course NE. Asc. 107 ft. over SE. slope.
 - 22.36 Point of spur slopes E. Desc. 52 ft. over NE. slope.
 - 29.00 Draw, course SE. Asc. 177 ft. over S. slope.
 - 34.60 Spur, slopes NE. Desc. 40 ft. over N. slope.
 - 36.00 Well defined cow trail, bears NE. and SW.
 - 38.00 Draw, course NE. Asc. 64 ft. over SE. slope to
 - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for E. $\frac{1}{4}$ sec. cor. of sec. 24, with brass cap marked

$\frac{1}{4}$ S24

1938

from which

An oak, 8 ins. diam., bears S. $20\frac{3}{4}^{\circ}$ W., 180 lks. dist., marked $\frac{1}{4}$ S24 BT.

An oak, 10 ins. diam., bears N. $44\frac{1}{2}^{\circ}$ W., 140 lks. dist., marked $\frac{1}{4}$ S24 BT.

Asc. 41 ft. over SE. slope.

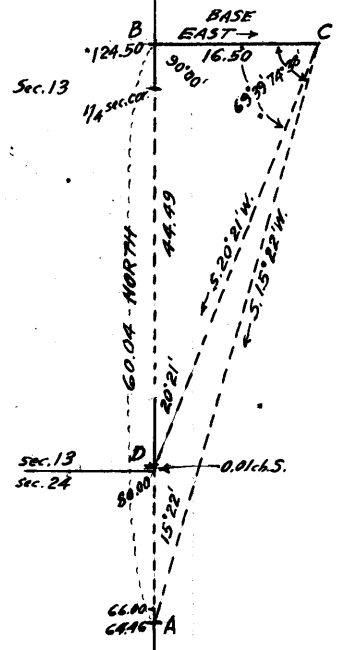
- 46.00 Spur, slopes E. Desc. 92 ft. over N. slope.
- 51.17 Draw, course E. Asc. 187 ft. over S. slope.
- 61.67 Spur, slopes E. Desc. 36 ft. over NE. slope to
- 64.46 Triangulation point "A".
- 66.00 Top of cliffs bearing NW. and SE. Discontinue chaining at this point and triangulate measurement from 64.46 ch. station across Marsh Creek Canyon and to point for cor. of secs. 13 and 24 as follows:

Set flag "A" at 64.46 ch. station.
Set flag "B" ahead on Tp. bdy. on opposite side of canyon, the vertical angle to which is -3° .

Set flag "D" ahead on Tp. bdy. at point on SW. side of canyon assumed to be the point for cor. of secs. 13 and 24, the vertical angle to which is $-28\frac{1}{4}^{\circ}$.

From "B" chain a base East, 16.50 chs. to point "C", from which flags "A" and "D" bear S. $15^{\circ}22'$ W., and S. $20^{\circ}21'W.$, respectively.

Included angles of triangle "A-B-C" are: $15^{\circ}22'$, $90^{\circ}00'$, and $74^{\circ}38'$, the sum of which is $180^{\circ}00'$.



Chains

Included angles of triangle "B-C-D" are: $90^{\circ}00'$, $69^{\circ}39'$ and $20^{\circ}21'$, the sum of which is $180^{\circ}00'$.

Chained dist. to "A" on E. bdy. of sec. 24 = 64.46 chs. N.
 Triang. dist. on Tp. bdy. "A" to "B" = 60.04 chs. N.

Total dist. on Tp. bdy., cor. secs. 24 and 25 to "B" = 124.50 chs. N.
 East bdy. of sec. 24 = 80.00 chs. N.

Dist., point for cor. secs. 13 and 24 to "B" = 44.50 chs. N.
 Triang. dist. on Tp. bdy. "B" to "D" = 44.49 chs. S.

Dist. on Tp. bdy., "D" to point for cor. of secs. 13 and 24 = 0.01 chs. S.

From triangulation point "D" chain measurement South 1 lk. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 13 and 24, with brass cap marked

T10N	
S13	
S24	
R12E	

1938

from which

An oak, 6 ins. diam., bears N. $89\frac{1}{4}^{\circ}$ W., 143 lks. dist., marked T10N R12E S13 BT.

No other bearing tree available.

This cor. is at base of cliff, bearing NW. and SE., facing N., about 550 ft. below 66.00 ch. station.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper, oak and pinyon.

Undergrowth, mountain mahogany and oakbrush.

North, on E. bdy. of sec. 13.

Over mountainous land, thru medium timber and undergrowth, in Marsh Creek Canyon. Chain measurement to Marsh Creek.

Desc. 205 ft. over steep broken NE. slope.

6.90 Marsh Creek, 30 lks. wide, course N. 70° W., in bottom of canyon, containing a stream of water, 15 lks. wide, 6 ins. deep. Side canyons from NE. and SW. enter Marsh Creek Canyon at this point. Discontinue chaining. Measurement to 44.50 ch. station by triangulation herebefore described.

From triangulation point "B" at 44.50 ch. station chain return measurement South, 4.50 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for E. 1/4 sec. cor. of sec. 13, with brass cap marked

1/4	
S13	

1938

from which

Survey: East Bdy.: T. 10 N., R. 12 E.

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27

Chains

A juniper, 6 ins. diam., bears S. $48\frac{1}{2}^{\circ}$ W., 190 lks. dist., marked $\frac{1}{4}$ S13 BT.

A juniper, 6 ins. diam., bears N. $36\frac{3}{4}^{\circ}$ W., 188 lks. dist., marked $\frac{1}{4}$ S13 BT.

This cor. is about 450 ft. above 6.90 ch. station.

Thence

North, chaining continued measurement from sec. cor.

Asc. 119 ft. over SE. slope.

53.15 Spur from E., with forks sloping NW., W. and SW. Desc. 133 ft. over NE. slope.

64.93 Desc. 117 ft. over NW. slope.

72.50 Draw, course NE. Asc. 31 ft. over SE. slope.

75.61 Spur, slopes NE. Desc. 20 ft. over NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 12 and 13, with brass cap marked

T10N
S12
S13
R12E

1938

from which

An oak, 10 ins. diam., bears S. $47\frac{3}{4}^{\circ}$ W., 109 lks. dist., marked T10N R12E S13 BT.

A juniper, 8 ins. diam., bears N. 67° W., 136 lks. dist., marked T10N R12E S12 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, oak, juniper and pinyon.

Undergrowth, oakbrush and manzanita.

North, on E. bdy. of sec. 12.

Over mountainous land, thru medium timber and undergrowth.

Desc. 141 ft. over NE. slope.

9.55 Wash, 15 lks. wide, course W., in bottom of Salt Canyon. Asc. 151 ft. over S. slope.

16.69 Asc. 70 ft. over SW. slope.

22.47 Spur, slopes SE. Asc. gradually over E. slope to

25.00 Draw, course S. 10° E. from N. 4° W. Asc. 220 ft. over broken SW. slope to $\frac{1}{4}$ sec. cor.

39.90 Head of same draw bears W. 50 lks. dist.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for E. $\frac{1}{4}$ sec. cor. of sec. 12, with brass cap marked

Survey: East Bdy.: T: 10 N., R. 12 E.

28

Chains

$$\frac{1}{4} \left| \begin{array}{l} S12 \end{array} \right.$$

1938

from which

An oak, 6 ins. diam., bears S. 29° W., 22 lks. dist., marked $\frac{1}{4}$ S12 BT.

No other bearing tree available.

Asc. 97 ft. over S. slope.

44.08 Spur, slopes SW. Desc. 190 ft. over NW. slope.

52.74 Bottom of Leo Canyon, 15 lks. wide, course SW. Asc. 297 ft. over SE. slope.

66.63 Spur, slopes SW. Desc. 161 ft. over NW. slope.

76.15 Draw, course SW., near head. Asc. 60 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground to bedrock, for cor. of secs. 1 and 12, with brass cap marked.

$$\frac{T10N}{S1} \left| \begin{array}{l} S12 \\ R12E \end{array} \right.$$

1938

from which

An oak, 5 ins. diam., bears S. 57° W., 46 lks. dist., marked T10N R12E S1 BT.

An oak, 10 ins. diam., bears N. 34½° W., 38 lks. dist., marked T10N R12E S1 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, oak, juniper and pinyon.

Undergrowth, oakbrush and manzanita.

North, on E. bdy. of sec. 1

Over mountainous land, thru dense timber and medium undergrowth.

Asc. 51 ft. over SE. slope.

4.00 Spur ridge, bears SW. and SE., sloping SW. Desc. 239 ft. over NE. slope.

7.76 Cow trail, bears NW. and SE.

21.18 Draw, course NW. Asc. 13 ft. over W. slope.

22.06 Spur, slopes NW. near point of same. Desc. 35 ft. over N. slope.

24.00 Bottom of Dry Canyon, 20 lks. wide, course W. Asc. 165 ft. over S. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for E.¼ sec. cor. of sec. 1, with brass cap marked

Survey: East Bdy.: T. 10 N., R. 12 E.

Chains

$\frac{1}{4}$ |
S1 |

1938

from which

An oak, 8 ins. diam., bears S. $42\frac{1}{2}^\circ$ W., 78 lks. dist., marked $\frac{1}{4}$ S1 BT.

An oak, 8 ins. diam., bears N. $38\frac{3}{4}^\circ$ W., 61 lks. dist., marked $\frac{1}{4}$ S1 BT.

Asc. 25 ft. over S. slope.

43.95 Asc. 110 ft. over E. slope.

61.00 Spur, slopes S. 10° W. Asc. gradually over W. slope.

69.00 Desc. 36 ft. over NW. slope.

72.30 Draw, course W., near head. Asc. gradually over SW. slope to

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of Ts. 10 and Frac. $10\frac{1}{2}$ N., R. 12 E., with brass cap marked

T10 $\frac{1}{2}$ N |
R12E |
S36 |
— S1 |
T10N |

1938

from which

A pinyon, 5 ins. diam., bears S. 50° W., 201 lks. dist., marked T10N R12E S1 BT.

A pinyon, 8 ins. diam., bears N. $28\frac{3}{4}^\circ$ W., 57 lks. dist., marked T10 $\frac{1}{2}$ N R12E S36 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, oak, juniper, pinyon and yellow pine.

Undergrowth, oakbrush.

Survey: North Bdy.: T. 10 N., R. 12 E.

30

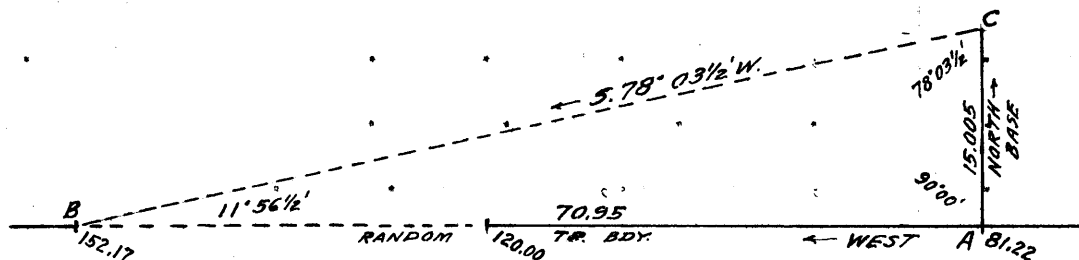
Chains

From the cor. of Ts. 10 and Frac. $10\frac{1}{2}$ N., R. 12 E., established under this group as hereinbefore described,

West, on random line, N. of T. 10 N., R. 12 E., setting temp. cors. at 40 ch. intervals.

81.22 Triangulation point "A". Continue measurement by chaining to

120.00 Set temp. $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Discontinue chaining on random Tp. bdy. at this point, owing to cliffs and precipitous slopes of Tonto Creek Canyon ahead which render chaining impracticable. Triangulate measurement to point ahead on random line at W. rim of the canyon as follows:



Designate 81.22 ch. station as triangulation point "A".

Set flag "B" on random line at W. rim of canyon, the vertical angle to which from "A" is $-1\frac{1}{4}^\circ$.

From "A" double chain a base North to point "C".

Mean of both measurements "A" to "C" is 15.005 chs.

From point "C" the flag "B" bears S. $78^\circ 03\frac{1}{2}'$ W.

Included angles of triangle "A-B-C" are: $90^\circ 00'$, $11^\circ 56\frac{1}{2}'$ and $78^\circ 03\frac{1}{2}'$, the sum of which is $180^\circ 00'$.

Chained dist. on random Tp. bdy. to triang. point "A" = 81.22 chs. W.

Triangulated dist. on random line to flag "B" = 70.95 chs. W.

Total dist. on random line, Tp. cor. to flag "B" = 152.17 chs. W.

152.17 Triangulation point "B". Resume chaining. Continue line and measurement, setting temp. cors. at 40 ch. intervals, and at 482.21 chs. intersect N. and S. line 5 lks. S. of the cor. of Ts. 10 and Frac. $10\frac{1}{2}$ N., R. 12 E., established under this group as hereinbefore described.

Thence

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

Over mountainous land, thru medium timber and undergrowth.

Desc. 95 ft. over SE. slope.

11.53 Bottom of ravine, 5 lks. wide, course SW. Asc. 99 ft. over SW. slope.

17.71 Little Green Valley trail, bears N. and S.

21.20 Ridge, bears NW. and SE., forming drainage divide bet. Green Valley Creek and Tonto Creek. Desc. 239 ft. over NE. slope to

32.71 Wash, 5 lks. wide, course SE. Desc. 31 ft. over SE. slope.

Survey: North Bdy.: T. 10 N., R. 12 E.

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31

Chains									
36.60	Wash, 5 lks. wide, in bottom of canyon, course SW. Asc. 73 ft. over SW. slope to								
42.21	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked								
	$\frac{1}{4} \frac{S \ 31}{S \ 6}$								
	1938								
	from which								
	A juniper, 8 ins. diam., bears S. 86° W., 143 lks. dist., marked $\frac{1}{4}$ S6 BT.								
	A pinyon, 5 ins. diam., bears N. $47\frac{3}{4}^{\circ}$ W., 66 lks. dist., marked $\frac{1}{4}$ S31 BT.								
	Asc. 30 ft. over SW. slope to								
46.31	Shallow draw, course SW. Asc. 76 ft. over W. slope.								
49.19	Spur, slopes SW. Desc. 108 ft. over SE. slope.								
57.01	Draw, course SE. Thence over rolling S. slope, descending gradually to								
66.90	Bottom of ravine, 15 lks. wide, course SW. Asc. 388 ft. over SW. slope to								
82.21	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 5, 6, 31 and 32, with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 0 10px;">T10$\frac{1}{2}$N</td> <td style="padding: 0 10px;">R12E</td> </tr> <tr> <td style="padding: 0 10px;">S31</td> <td style="padding: 0 10px;">S32</td> </tr> <tr> <td style="padding: 0 10px;">S6</td> <td style="padding: 0 10px;">S5</td> </tr> <tr> <td colspan="2" style="padding: 0 10px;">T10N</td> </tr> </table>	T10 $\frac{1}{2}$ N	R12E	S31	S32	S6	S5	T10N	
T10 $\frac{1}{2}$ N	R12E								
S31	S32								
S6	S5								
T10N									
	1938								
	from which								
	An oak, 18 ins. diam., bears N. $81\frac{1}{2}^{\circ}$ E., 137 lks. dist., marked T10 $\frac{1}{2}$ N R12E S32 BT.								
	A pinyon, 6 ins. diam., bears S. 41° E., 127 lks. dist., marked T10N R12E S5 BT.								
	A juniper, 14 ins. diam., bears S. 31° W., 106 lks. dist., marked T10N R12E S6 BT.								
	An oak, 10 ins. diam., bears N. $11\frac{1}{2}^{\circ}$ W., 112 lks. dist., marked T10 $\frac{1}{2}$ N R12E S31 BT.								
	Land, mountainous.								
	Soil, gravelly and rocky, 4th rate.								
	Timber, juniper, oak and pinyon.								
	Undergrowth, oakbrush.								
	East, on true line, bet. secs. 5 and 32.								
	Over mountainous land, thru dense timber and undergrowth.								
	Asc. 50 ft. over S. slope to								
3.80	Draw, course SW. Asc. 165 ft. over SW. slope.								

Chains	
14.00	Spur, slopes SW. Desc. 309 ft. over steep SE. slope.
27.10	Bottom of canyon, 5 lks. wide, course SW. Asc. 418 ft. over broken SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 32 \\ S 5 \end{array}$
	1938
	from which
	A juniper, 12 ins. diam., bears N. 28° W., 69 lks. dist.; marked $\frac{1}{4}$ S32 BT.
	A juniper, 6 ins. diam., bears S. 17° W., 50 lks. dist., marked $\frac{1}{4}$ S5 BT.
	Asc. 109 ft. over broken SW. slope.
45.69	Blue Dog Ridge, bears NW. and SE. Desc. 498 ft. over NE. slope.
53.70	Well defined cow trail, bears N. and S.
70.30	Head of Goswick Canyon; course N. 88° E. Thence along broken N. slope on S. side of canyon, descending gradually to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with brass cap marked
	$\begin{array}{c} T10\frac{1}{2}N \quad R12E \\ S32 \quad \quad S33 \\ S5 \quad \quad S4 \\ T10N \end{array}$
	1938
	from which
	A yellow pine, 12 ins. diam., bears N. 59½° E., 64 lks. dist., marked T10½N R12E S33 BT.
	A yellow pine, 14 ins. diam., bears S. 66½° E., 227 lks. dist.; marked T10N R12E S4 BT.
	A juniper, 8 ins. diam., bears S. 41° W., 41 lks. dist.; marked T10N R12E S5 BT.
	A juniper, 36 ins. diam.; bears N. 50° W., 97 lks. dist., marked T10½N R12E S32 BT.
	Land, mountainous and broken. Soil, rocky, 4th rate. Timber, juniper; yellow pine, oak and pinyon. Undergrowth, oakbrush, mountain mahogany and ceonathus.
	East, on true line, bet. secs. 4 and 33.
	Over mountainous land, thru medium timber and undergrowth.
	Over broken N. slope on S. side of Goswick Canyon, descending gradually to
7.70	Desc. 259 ft. over steep NE. slope.

Survey: North Bdy.: T. 10 N., R. 12 E.

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Chains

23.90 Bottom of Goswick Canyon, 10 lks. wide, course S. 10° E. from N. 80° W. Asc. 170 ft. over steep SW. slope.

36.56 Asc. 45 ft. over W. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

¼ $\frac{S\ 33}{S\ 4}$

1938

from which

A juniper, 8 ins. diam., bears S. 8½° W., 44 lks. dist., marked ¼ S4 BT.

A juniper, 6 ins. diam., bears N. 81¼° W., 42 lks. dist., marked ¼ S33 BT.

Asc. 50 ft. over W. slope.

43.10 Trail to Hells Gate Canyon, bears N. and S.

44.40 Apache Ridge, bears N. and S. and head of spur sloping NE. from ridge. Desc. 140 ft. over SE. slope.

54.30 Draw, course NE. Asc. 9 ft. over NW. slope.

57.00 Spur, slopes NE. Desc. 379 ft. over SE. slope.

71.70 Head of Salt Lick Canyon, course NE. for about 5 chs., thence East. Asc. 67 ft. over NW. slope.

79.70 Point of spur, slopes N. Desc. slightly over NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 3, 4, 33 and 34, with brass cap marked

T10½N R12E
 $\frac{S33\ | \ S34}{S4\ | \ S3}$
 T10N

1938

from which

A pinyon, 8 ins. diam., bears N. 52° E., 43 lks. dist., marked T10½N R12E S34 BT.

A pinyon, 5 ins. diam., bears S. 60½° E., 14 lks. dist., marked T10N R12E S3 BT.

A pinyon, 8 ins. diam., bears S. 48° W., 50 lks. dist., marked T10N R12E S4 BT.

A pinyon, 8 ins. diam., bears N. 69° W., 73 lks. dist., marked T10½N R12E S33 BT.

Land, mountainous and broken.

Soil, rocky, 4th rate.

Timber, juniper, pinyon and oak.

Undergrowth, oakbrush and mountain mahogany.

Chains	East, on true line, bet. secs. 3 and 34.								
	Over mountainous land, thru medium timber and undergrowth.								
	Desc. 25 ft. over NE. slope.								
3.30	Draw, course N. Asc. 31 ft. over NW. slope.								
7.42	Point of spur, slopes N. Desc. 345 ft. over steep broken NE. slope.								
21.40	Wash, 20 lks. wide, course SE., in bottom of Salt Lick Canyon, containing shallow pools of water at intervals. Asc. 196 ft. over SW. slope.								
38.23	Spur, slopes S., near point of same. Desc. 36 ft. over steep SE. slope to.								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked								
	$\frac{1}{4} \frac{S \ 34}{S \ 3}$								
	1938								
	from which								
	A double pinyon, 7 ins. diam., bears S. $57\frac{1}{2}^{\circ}$ E., 52 lks. dist., marked $\frac{1}{4}$ S3 BT.								
	A pinyon, 5 ins. diam., bears N. 16° W., 41 lks. dist., marked $\frac{1}{4}$ S34 BT.								
	Desc. 81 ft. over steep SE. slope.								
43.24	Bottom of gulch, 5 lks. wide, course SW. Asc. 423 ft. over steep broken W. slope.								
54.00	Spur, slopes S. Desc. 183 ft. over E. slope.								
60.36	Bottom of ravine, 5 lks. wide, course S. Asc. 104 ft. over SW. slope.								
66.60	Spur, slopes S. near point of same. Desc. 85 ft. over E. slope.								
71.30	Draw, course S. 5° E. for about 3 chs., thence SW. Asc. 18 ft. over W. slope.								
76.57	Ridge, bears NW. and S. Desc. 69 ft. over NE. slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 2, 3, 34 and 35, with brass cap marked								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T10$\frac{1}{2}$N</td> <td>R12E</td> </tr> <tr> <td>S34</td> <td>S35</td> </tr> <tr> <td>S3</td> <td>S2</td> </tr> <tr> <td colspan="2" style="text-align: center;">T10N</td> </tr> </table>	T10 $\frac{1}{2}$ N	R12E	S34	S35	S3	S2	T10N	
T10 $\frac{1}{2}$ N	R12E								
S34	S35								
S3	S2								
T10N									
	1938								
	from which								
	A juniper, 12 ins. diam., bears N. 65° E., 168 lks. dist., marked T10 $\frac{1}{2}$ N R12E S35 BT.								
	A juniper, 6 ins. diam., bears S. $38\frac{1}{2}^{\circ}$ E., 105 lks. dist., marked T10N R12E S2 BT.								

Survey: North Bdy.: T. 10 N., R. 12 E.

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Chains	
	<p>A juniper, 10 ins. diam., bears S. $33\frac{1}{4}^{\circ}$ W., 68 lks. dist., marked T10N R12E S3 BT.</p> <p>A juniper, 8 ins. diam., bears N. 3° W., 33 lks. dist., marked T10$\frac{1}{2}$N R12E S34 BT.</p> <p>Land, mountainous and broken. Soil, rocky, 4th rate. Timber, juniper, pinyon and oak. Undergrowth, oakbrush and mountain mahogany.</p>
	<p>East, on true line, bet. secs. 2 and 35.</p> <p>Over mountainous land, thru scattering timber and medium undergrowth.</p> <p>Desc. 40 ft. over NE. slope.</p>
4.89	Draw, course N. for 1 ch., thence NE. Asc. 16 ft. over NW. slope.
7.83	Point of spur, slopes N. at W. rim of Tonto Creek Canyon. Discontinue chaining at this point. Measurement to $\frac{1}{4}$ sec. cor. by triangulation hereinbefore described. Desc. about 600 ft. over cliffs facing E.
22.00	(Approx.) Tonto Creek, 40 lks. wide, in bend, course SE. from NE., in bottom of canyon, containing a stream of water, 20 lks. wide, 6 ins. deep. At about 5 chs. SE. from this point the creek turns to E. Asc. over precipitous broken SW. slope.
32.00	(Approx.) Desc. gradually over steep S. slope to
39.90	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S \ 35 \\ S \ 2 \end{array} W$ <p>1938</p>
	No bearing trees available.
	Resume chaining and continue line and measurement. Desc. slightly over SE. slope to
40.00	True point for $\frac{1}{4}$ sec. cor. is on slide rock where it is impracticable to monument the cor., therefore establish witness cor. 10 lks. W. as described above. Desc. 32 ft. over SE. slope.
45.50	Draw, course SW. from N. entering Tonto Creek about 3 chs. SW. where the creek turns from W. to SE. Asc. 390 ft. over steep SW. slope.
57.75	Spur, slopes S. Desc. 132 ft. over SE. slope.
63.80	Bottom of ravine, course SW. from N. Asc. 469 ft. over steep W. slope.
79.00	Mescal Ridge, bears N. and SW. Terminates about 40 chs. SW. from this point. Across top of ridge to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for cor. to secs. 1, 2, 35 and 36, with brass cap marked

.Survey: North Bdy.: T. 10 N., R. 12 E.

36

Chains

$$\begin{array}{cc} T10\frac{1}{2}N & R12E \\ S35 & | & S36 \\ \hline S2 & | & S1 \\ T10N & & \end{array}$$

1938

from which

A juniper, .10 ins. diam., bears N. $71\frac{1}{2}^{\circ}$ E., 208 lks. dist., marked T10 $\frac{1}{2}$ N R12E S36 BT.

A juniper, 10 ins. diam., bears S. 69° E., 15 lks. dist., marked T10N R12E S1 BT.

A pinyon, 6 ins. diam., bears S. $55\frac{3}{4}^{\circ}$ W., 184 lks. dist., marked T10N R12E S2. BT.

A pinyon, 8 ins. diam., bears N. $20\frac{1}{2}^{\circ}$ W., 89 lks. dist., marked T10 $\frac{1}{2}$ N R12E S35 BT.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, oak, juniper and pinyon.
Undergrowth, oakbrush and manzanita.

East, on true line, bet. secs. 1 and 36.

Over mountainous land, thru scattering timber and medium undergrowth.

Leave top of Mescal Ridge and desc. 313 ft. over E. slope.

10.90 Draw, course SE. Asc. 89 ft. over SW. slope.

15.78 Spur, slopes SE. Desc. 326 ft. over E. slope.

19.90 Old dilapidated fence, bears NW. and SE.

36.87 Wash, 25 lks. wide, course S. 25° W., from N. 10° E., in bottom of Bull Tank Canyon. Asc. 51 ft. over steep W. slope to $\frac{1}{4}$ sec. cor.

38.00 Barbed wire fence (4 wire) bears N. 25° E. and S. 25° W. At about 1 ch. SW. from this point the fence turns to W. and extends across the bottom of Bull Tank Canyon.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

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

1938

from which

A juniper, 8 ins. diam., bears S. $28\frac{3}{4}^{\circ}$ W., 124 lks. dist., marked $\frac{1}{4}$ S1 BT.

A juniper, 20 ins. diam., bears N. $7\frac{1}{4}^{\circ}$ W., 76 lks. dist., marked $\frac{1}{4}$ S36 BT.

Asc. 224 ft. over W. slope to

52.57 Point of spur, sloping W. Thence along top of spur, ascending gradually to

60.25 Continue along top of spur. Asc. 91 ft. to

Survey: North Bdy: T. 10 N., R. 12 E.

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Chains.

75.00

Leave top of spur, slopes W. from NE. Asc. gradually over S. slope to

78.70

Draw, course SW. Asc. gradually over SW. slope to

80.00

The cor. of Ts. 10 and Frac. 10 $\frac{1}{2}$ N., R. 12 E., established under this group as hereinbefore described.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, oak, juniper and pinyon.
Undergrowth, oakbrush.

Survey: Subdivision lines: T. 10 N., R. 12 E.

38

Chains	Commence the subdivisional survey of T. 10 N., R. 12 E. at the cor. of secs. 1, 2, 35 and 36, on the South bdy. of the Tp., established under this group as described in the field notes of survey of T. 9 N., R. 12 E.
	Thence
	N. 0° 01' W., bet. secs. 35 and 36.
	Over mountainous land, thru medium timber and dense undergrowth.
	Asc. 30 ft. over SE. slope.
2.70	Desc. 7 ft. over E. slope.
3.10	Wash, 10 lks. wide, course SE., near head. Asc. 226 ft. over SW. slope.
17.72	Spur, slopes SE. Asc. 65 ft. over E. and SE. slopes.
27.63	Spur, slopes SW. Desc. 23 ft. over NW. slope.
32.41	Asc. 19 ft. over W. slope.
36.70	Asc. 14 ft. over SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S35 S36
	1938
	from which
	A juniper, 6 ins. diam., bears East 1 lk. dist., marked $\frac{1}{4}$ S36 BT.
	An oak, 16 ins. diam., bears N. 13° W., 10 lks. dist., marked $\frac{1}{4}$ S35 BT;
	Asc. 70 ft. over SW. and S. slopes to
50.11	Spur, slopes SW. Desc. 100 ft. over NW. slope.
62.72	Asc. gradually along W. slope.
66.30	Desc. 13 ft. over NW. slope.
68.50	Wash, 15 lks. wide, course SW. Asc. 115 ft. over SE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked
	T10N R12E S26 S25 S35 S36
	1938
	from which
	An oak, 6 ins. diam., bears N. 43 $\frac{1}{4}$ ° E., 32 lks. dist., marked T10N R12E S25 BT.
	A juniper, 30 ins. diam., bears S. 13° E., 192 lks. dist., marked T10N R12E S36 BT.

Survey: Subdivision lines: T. 10 N., R. 12 E.

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Chains	
	An oak, 8 ins. diam., bears S. $50\frac{1}{4}^{\circ}$ W., 126 lks. dist., marked T10N R12E S35 BT.
	An oak, 8 ins. diam., bears N. 55° W., 29 lks. dist., marked T10N R12E S26 BT.
	Land, mountainous. Soil, rocky clay, 3rd rate. Timber, oak and juniper. Undergrowth, oakbrush.
	S. $89^{\circ}58'E.$, on random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect E. bdy. of the Tp. 12 lks. S. of the cor. of secs. 25 and 36, hereinbefore described.
	Thence
	S. $89^{\circ}57'W.$, on true line, bet. secs. 25 and 36.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 93 ft. over NE. slope.
10.26	Dim trail, bears NE. and SW.
14.46	Earthen tank bears S. about 3 chs. dist.
21.15	Ridge, bears NW. and SE. Desc. 225 ft. over SW. slope to $\frac{1}{4}$ sec. cor.
29.76	Trail, bears NW. and SE.
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor.; with brass cap marked
	$\frac{1}{4} \frac{S 25}{S 36}$
	1938
	from which
	A juniper, 6 ins. diam., bears S. $65\frac{1}{2}^{\circ}$ W., 66 lks. dist., marked $\frac{1}{4}$ S36 BT.
	A juniper, 30 ins. diam., bears N. $9\frac{1}{2}^{\circ}$ W., 167 lks. dist., marked $\frac{1}{4}$ S25 BT.
	Desc. 234 ft. over SW. slope.
60.36	Wash, 10 lks. wide, course SE., near head. Asc. 110 ft. over SE. slope.
68.10	Spur, slopes SW. Desc. 105 ft. over W. slope.
68.16	Barbed wire fence (4 wire) bears N. $2\frac{1}{4}^{\circ}$ E., and S. $2\frac{1}{4}^{\circ}$ W.
75.66	Wash, 10 lks. wide, course SW., near head. Asc. 45 ft. over SE. slope to
80.06	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky clay, 3rd rate. Timber, juniper and oak. Undergrowth, bear grass, catclaw and oakbrush.

Chains	N. 0° 01' W., bet. secs. 25 and 26. Over mountainous land, thru dense timber and medium undergrowth. Asc. 50 ft. over SE. slope.
7.50	Trail, bears NE. and SW.
8.60	Trail to Lower Corral, bears E. and W.
10.54	Low ridge, bears NE. and W. Desc. 96 ft. over N. slope.
17.17	Head of draw, course NE. Asc. 48 ft. over SE. slope.
23.44	Thence over E. slope, descending gradually to
28.90	Asc. 15 ft. over SE. slope.
32.72	Spur, slopes E. Desc. 73 ft. over N. slope.
37.80	Wash, 20 lks. wide, course E. Asc. 38 ft. over S. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S26 S25
	1938
	from which
	A juniper, 8 ins. diam., bears N. 86 $\frac{1}{4}$ ° E., 17 lks. dist., marked $\frac{1}{4}$ S25 BT.
	A juniper, 6 ins. diam., bears S. 62 $\frac{3}{4}$ ° W., 21 lks. dist., marked $\frac{1}{4}$ S26 BT.
	Asc. 50 ft. over S. slope.
44.63	Spur, slopes E. Desc. 28 ft. over NE. slope.
46.70	Head of draw, course E. Asc. 25 ft. over SE. slope.
52.48	Spur, slopes E. Desc. 151 ft. over N. slope.
59.55	Wash, 40 lks. wide, course E. Asc. 207 ft. over SE. slope.
75.50	Spur, slopes NE. Desc. 107 ft. over N. and NE. slopes to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked
	T10N R12E S23 S24 S26 S25
	1938
	from which
	A white oak, 16 ins. diam., bears N. 69° E., 76 lks. dist., marked T10N R12E S24 BT.
	A white oak, 14 ins. diam., bears S. 11 $\frac{1}{2}$ ° E., 84 lks. dist., marked T10N R12E S25 BT.

Survey: Subdivision lines: T. 10 N., R. 12 E.

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41

Chains	
	<p>A white oak, 6 ins. diam.; bears S. 74° W., 29 lks. dist., marked T10N R12E S26 BT.</p> <p>A live oak, 6 ins. diam.; bears N. 53½° W., 49 lks. dist., marked T10N R12E S23 BT.</p> <p>Land, mountainous. Soil, rocky and gravelly clay, 3rd rate. Timber, oak, juniper and pinyon. Undergrowth, oakbrush.</p>
	<p>N. 89° 57' E., on random line, bet. secs. 24 and 25.</p>
40.00	Set temp. ¼ sec. cor.
80.17	Intersect E. bdy. of the Tp. 2 lks. S. of the cor. of secs. 24 and 25, hereinbefore described.
	<p>Thence</p> <p>S. 89° 56' W., on true line, bet. secs. 24 and 25.</p> <p>Over mountainous land, thru scattering timber and dense undergrowth.</p> <p>Desc. 123 ft. over NW. slope to</p>
13.27	Asc. 19 ft. over NE. slope.
16.76	Desc. 24 ft. over NW. slope.
20.77	Wash, 20 lks. wide, course NE. in bottom of canyon. Asc. 300 ft. over SE. and E. slopes.
38.42	Spur, slopes NE. Desc. 29 ft. over NW. slope to
40.09	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 24}{S 25}$
	<p>1938</p> <p>from which</p>
	<p>A juniper, 6 ins. diam., bears S. 7° W., 37 lks. dist., marked ¼ S25 BT.</p> <p>A juniper, 14 ins. diam., bears N. 34½° W., 76 lks. dist., marked ¼ S24 BT.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Desc. 361 ft. over steep NW. and W. slopes to</p>
58.27	Wash, 50 lks. wide, course NE., in bottom of Lost Camp Canyon. Asc. 250 ft. over E. slope.
59.67	Barbed wire fence (4 wire) bears N. 3° E. and S. 10° W.
73.90	Spur, slopes NE. Desc. 62 ft. over NW. slope.
78.70	Head of wash, course NE. Asc. 19 ft. over NE. slope to
80.17	The cor. of secs. 23, 24, 25 and 26.
	<p>Land, mountainous. Soil, rocky clay, 3rd and 4th rates.</p>

Chains	<p>Timber, oak, juniper and pinyon. Undergrowth, oakbrush.</p> <hr/> <p>N. 0° 01' W., bet. secs. 23 and 24.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Desc. 170 ft. over NE. and N. slopes.</p> <p>8.52 Wash, 15 lks. wide, course NE. Asc. 164 ft. over SE. slope.</p> <p>21.81 Spur, slopes NE. Desc. 167 ft. over NW. slope.</p> <p>31.60 Wash, 10 lks. wide, course NE. Asc. 103 ft. over SE. slope.</p> <p>36.62 Point of spur, slopes SE. Asc. 15 ft. over E. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S23 S24</p> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A pinyon, 6 ins. diam., bears N. 49° E., 84 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A juniper, 8 ins. diam., bears S. 58$\frac{1}{2}$° W., 30 lks. dist., marked $\frac{1}{4}$ S23 BT.</p> <p>Asc. 300 ft. over SE. slope.</p> <p>62.53 Spur, slopes SW. from Lost Camp Mountain. Asc. 20 ft. over W. slope.</p> <p>69.50 Spur, slopes NW. Desc. 240 ft. over steep N. slope.</p> <p>79.90 Head of wash, course NW. Asc. slightly over W. slope to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 13, 14, 23 and 24, with brass cap marked</p> <p style="text-align: center;">T10N R12E S14 S13 S23 S24</p> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A juniper, 24 ins. diam., bears N. 30$\frac{1}{2}$° E., 96 lks. dist., marked T10N R12E S13 BT.</p> <p>A juniper, 10 ins. diam., bears S. 0$\frac{1}{4}$° E., 242 lks. dist., marked T10N R12E S24 BT.</p> <p>A juniper, 8 ins. diam., bears S. 50$\frac{3}{4}$° W., 156 lks. dist., marked T10N R12E S23 BT.</p> <p>A pinyon, 6 ins. diam., bears N. 25$\frac{1}{2}$° W., 64 lks. dist., marked T10N R12E S14 BT.</p>
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Survey: Subdivision lines: T. 10 N., R. 12 E.

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Chains	<p>Land, mountainous. Soil, rocky clay, 3rd and 4th rates. Timber, oak, juniper and pinyon. Undergrowth, oak brush.</p> <hr/> <p>N. 89° 56' E., on random line, bet. secs. 13 and 24.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.07 Intersect E. bdy. of the Tp. 2 lks. S. of cor. of secs. 13 and 24, hereinbefore described.</p> <p>Thence</p> <p>S. 89° 55' W., on true line, bet. secs. 13 and 24.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Asc. 79 ft. over steep broken NE. slope.</p> <p>2.27 Point of spur, slopes N. Desc. 221 ft. over steep broken NW. slope.</p> <p>8.47 Wash, 40 lks. wide, containing a small stream of water, course NE., in bottom of Lost Camp Canyon at its junction with Marsh Creek Canyon. Asc. 638 ft. over steep SE. slope.</p> <p>29.91 Point of spur, slopes SE. Desc. 48 ft. over SW. slope.</p> <p>39.47 Wash, 5 lks. wide, course SE. Asc. 10 ft. over NE. slope to</p> <p>40.04 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.</p> <p style="text-align: center;"> $\frac{S\ 13}{S\ 24}$ 1938 from which </p> <p>A pinyon, 8 ins. diam., bears S. 40$\frac{3}{4}$° E., 21 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A pinyon, 10 ins. diam., bears N. 61$\frac{1}{4}$° W., 49 lks. dist., marked $\frac{1}{4}$ S13 BT.</p> <p>Asc. 34 ft. over NE. slope.</p> <p>41.07 Point of spur, slopes N. Desc. 24 ft. over NW. slope.</p> <p>43.38 Same wash, course NE., near head. Asc. 487 ft. over SE. slope.</p> <p>64.00 Spur, slopes NE. Desc. gradually over NW. and N. slopes to</p> <p>71.52 Spur, slopes NW. Desc. 197 ft. over steep W. slope to</p> <p>80.07 The cor. of secs. 13, 14, 23 and 24.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, oak and pinyon. Undergrowth, oakbrush and manzanita.</p>
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Chains

N. 0° 01' W., bet. secs. 13 and 14.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 236 ft. over W. and SW. slopes.

17.22 Spur, slopes NW. Desc. 85 ft. over NE. and E. slopes to

24.81 Same spur, slopes NE. Desc. 375 ft. over NW. slope.

39.95 Head of wash, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S14 | S13

1938

from which

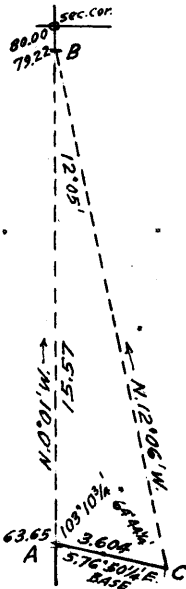
A pinyon, 6 ins. diam., bears S. 62 $\frac{3}{4}$ ° W., 54 lks. dist., marked $\frac{1}{4}$ S14 BT.

A live oak, 6 ins. diam., bears N. 65° E., 22 lks. dist., marked $\frac{1}{4}$ S13 BT.

Asc. 96 ft. over SW. slope.

50.05 Point of spur, slopes W. Desc. 119 ft. over NW. slope to

63.65 S. rim of Marsh Creek Canyon, bears E. and W. Discontinue chaining at this point, as precipitous descent over a series of cliffs facing N. renders chaining impracticable. Triangulate measurement as follows:



Designate 63.65 ch. station on sec. line as point "A".

Set flag "B" ahead on sec. line beyond foot of cliffs at approximate point for sec. cor.

The vertical angle from "A" to "B" is -32 $\frac{1}{4}$ °.

From "A" double chain a base S. 76° 50 $\frac{1}{4}$ ° E., to point "C".

Mean of the two measurements of the base is 3.604 chs. A longer base cannot be chained, owing to broken surface.

From point "C" the flag "B" bears N. 12° 06' W.

Included angles of the triangle "A-B-C" are: 103° 10 $\frac{3}{4}$ ', 12° 05', and 64° 44 $\frac{1}{4}$ ', the sum of which is 180° 00'.

Chained dist. on sec. line to "A" = 63.65 chs. N. 0° 01' W.

Triangulated dist. "A" to "B" = 15.57 chs. N. 0° 01' W.

Total dist., cor. of secs. 13, 14, 23 and 24 to "B" = 79.22 chs. N. 0° 01' W.

79.22 Triangulation point "B" on steep NW. slope on S. wall of Marsh Creek Canyon, 650 ft. below the S. rim of the canyon.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

45

Chains

Resume chaining and continue line and measurement.

80.00 Desc. 20 ft. over steep NW. slope to
Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 11, 12, 13 and 14, with brass cap marked

T10N R12E
S11 | S12
S14 | S13

1938

A cedar, 18 ins. diam., bears S. 68 $\frac{1}{2}$ ° E., 92 lks. dist., marked T10N R12E S13 BT.

A pinyon, 16 ins. diam., bears S. 32° W., 70 lks. dist., marked T10N R12E S14 BT;

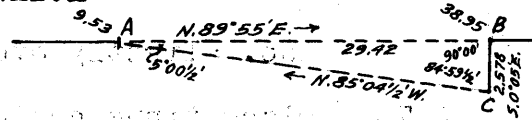
A pinyon, 6 ins. diam., bears N. 38 $\frac{1}{2}$ ° W., 27 lks. dist., marked T10N R12E S11 BT.

No other bearing tree available.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, oak, juniper and pinyon.
Undergrowth, oakbrush.

9.53 N. 89° 55' E., on random line, bet. secs. 12 and 13.
Discontinue chaining at this point owing to precipitous slopes and cliffs in Marsh Creek Canyon. Triangulate measurement as follows:

Set flag "A" at 9.53 ch. station and another flag "B" ahead on line the vertical angle to which is -10°.



From flag "B" double chain a base S. 0° 05' E. to point "C", from which flag "A" bears N. 85° 04 $\frac{1}{2}$ ' W.

Mean of the two measurements of the base "B-C" is 2.578 chs.

A longer base cannot be chained owing to broken surface.

Included angles of triangle "A-B-C" are: 5° 00 $\frac{1}{2}$ ', 90° 00' and 84° 59 $\frac{1}{2}$ ', the sum of which is 180° 00'.

Dist. chained on random line to "A" = 9.53 chs. N. 89° 55' E.
Dist. triangulated from "A" to "B" = 29.42 chs. "
Total dist. on random line, sec. cor. to "B" = 38.95 chs. N. 89° 55' E.

38.95 Triangulation point "B". Resume chaining and continue line and measurement.

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

80.13 Intersect E. bdy. of the Tpg 40 lks. N. of the cor. of secs. 12 and 13, hereinbefore described.

Thence

Chains	
	N. 89° 48' W., on true line, bet. secs. 12 and 13. Over mountainous land, thru dense timber and medium undergrowth.
	Asc. 44 ft. over NE. slope on S. side of Salt Canyon.
5.05	Desc. 101 ft. over NW. slope.
11.46	Asc. 90 ft. over steep N. and NE. slopes.
25.35	Rocky point sloping N. Desc. 342 ft. over steep broken NW. slope.
38.73	Bottom of Salt Canyon, 15 lks. wide, course S. 74° W. for 4 chs., thence S. 87° W. to junction with Marsh Creek. There are pools of water along the bottom of this canyon. Asc. 40 ft. over slide rock, on steep SE. slope to
40.06	True point for $\frac{1}{4}$ sec. cor. is on face of small bluff where it is impracticable to monument the cor., therefore establish witness cor. on line 50 lks. N. 89° 48' W. Asc. 10 ft. over SE. slope to
40.56	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 12}{S\ 13}$ WC 1938 from which
	A cedar, 6 ins. diam., bears S. 73 $\frac{1}{2}$ ° W., 51 lks. dist., marked WC $\frac{1}{4}$ S13 BT.
	A cedar, 6 ins. diam., bears N. 35° W., 78 lks. dist., marked WC $\frac{1}{4}$ S12 BT.
	Raise a mound of stone, 2 ft. base, 1 ft. high, N. of cor.
	Asc. slightly over S. slope.
40.73	Discontinue chaining at this point. Measurement to 70.60 ch. station by triangulation hereinbefore described. Desc. about 65 ft. over SW. slope;
48.00	(Approx.) Marsh Creek, 40 lks. wide, in bend course SW. from SE., in bottom of canyon, containing a stream of water 20 lks. wide, 6 ins. deep. The mouth of Salt Canyon bears SE. about 6 chs. dist. Asc. about 50 ft. over SE. slope.
54.00	(Approx.) Rocky point, sloping S. Desc. about 60 ft. over SW. slope.
59.00	(Approx.) Marsh Creek, 40 lks. wide, course N. 72° W., containing a stream of water, 20 lks. wide, 6 ins. deep. Asc. about 400 ft. over cliffs facing NE.
70.60	Top of cliffs, bearing NW. and SE., facing NE. Resume chaining and continue line and measurement. Asc. 49 ft. over NE. slope.
73.63	Point of spur, slopes N. Desc. 157 ft. over steep NW. slope to
80.13	The cor. of secs. 11, 12, 13 and 14.

Survey: Subdivision lines: T. 10 N., R. 12 E.

Chains

Land, mountainous and broken.
 Soil, rocky, 4th rate.
 Timber, juniper and cedar. Sycamore along the bottoms of the canyons.
 Undergrowth, oakbrush and manzanita.

N. 0° 01' W., bet. secs. 11 and 12.

Over mountainous land, thru scattering timber and undergrowth.

Desc. about 285 ft. over steep broken NW. slope to Marsh Creek, over cliffs and slide rock.

The south half of this line is in Marsh Creek Canyon and precipitous slopes on both sides of the canyon render chaining impracticable, therefore triangulate measurement across the canyon as follows:

Set flag "D" ahead on line near top of ridge beyond the point for 1/4 sec. cor.

Set flag "A" at 63.65 ch. station on sec. line bet. secs. 13 and 14, at S. rim of Marsh Creek Canyon, at triangulation point "A" from which measurement was triangulated to 79.22 ch. station on same sec. line; as hereinbefore described.

From point "D" the vertical angle to flag "A" is +0° 34'.

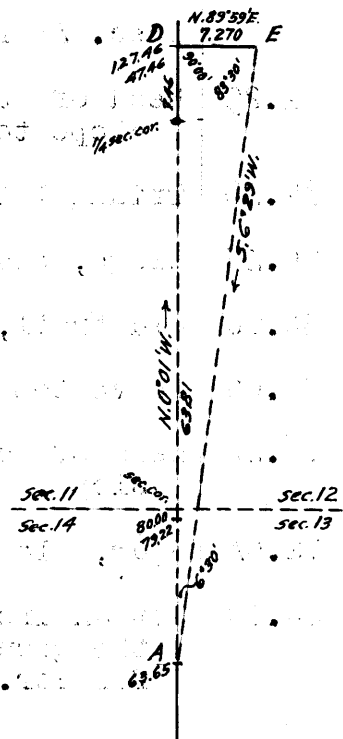
From "D" double chain a base N. 89° 59' E., to point "E".

Mean of the two measurements of the base "D-E" is 7.270 chs.

It is impracticable to chain a longer base at this point.

From "E" the flag "A" bears S. 6° 29' W. Included angles of triangle "A-D-E" are 6° 30', 90° 00' and 83° 30', the sum of which is 180° 00'.

- Dist. chained on line bet. secs. 13 and 14 to "A" = 63.65 chs. N. 0° 01' W.
- Dist. triangulated from "A" to "D" = 63.81 chs. N. 0° 01' W.
- Total dist. cor. of secs. 13, 14, 23 and 24 to "D" = 127.46 chs. N. 0° 01' W.
- Line bet. secs. 13 and 14 = 80.00 "
- Dist., cor. of secs. 11, 12, 13 and 14 to "D" = 47.46 chs. N. 0° 01' W.



- 10.00 (Approx.) Marsh Creek, 40 lks. wide, containing a stream of water, 20 lks. wide, 8 ins. deep, course S. 45° W. At about 5 chs. NE. of this point is a bend in the creek from SE. to SW. and at this bend is the mouth of Leo Canyon from the NE. and mouth of a gulch from the N. Asc. about 700 ft. over steep broken S. and SE. slopes and cliffs to 1/4 sec. cor. From triangulation point "D" chain return measurement S. 0° 01' E., 7.46 chs. to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

Chains

the ground to bedrock, and in a small mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

.
 $\frac{1}{4}$

 S11 | S12

.
 1938

from which

A pinyon, 8 ins. diam., bears N. $50\frac{1}{2}^{\circ}$ E., 320 lks. dist., marked $\frac{1}{4}$ S12 BT.

A pinyon, 6 ins. diam., bears N. $69\frac{1}{2}^{\circ}$ W., 15 lks. dist., marked $\frac{1}{4}$ S11 BT.

Thence

N. $0^{\circ} 01'$ W., chaining continued measurement on line bet. secs. 11 and 12.

Desc. 45 ft. over NE. slope.

42.29 Head of gulch, course SE. Asc: 137 ft. over broken SE. slope to top of ridge.

47.46 Triangulation point "D". Continue chaining.

50.45 Ridge, bears NE. and SW. Thence across top of ridge.

50.70 Old trail, bears NE. and SW.

54.00 Leave top of ridge. Desc. 190 ft. over NW. slope.

66.20 Head of gulch, course SW. Asc. 130 ft. over broken S. slope.

72.04 Spur, slopes W. Desc. 159 ft. over NW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 1; 2, 11 and 12, with brass cap marked

T10N R12E
 S2 | S1

 S11 | S12

.
 1938

from which

A live oak, 6 ins. diam., bears N. $36\frac{1}{4}^{\circ}$ E., 69 lks. dist., marked T10N R12E S1 BT.

A juniper, 30 ins. diam., bears S. $45\frac{1}{2}^{\circ}$ E., 98 lks. dist., marked T10N R12E S12 BT.

A white oak, 16 ins. diam., bears S. $39\frac{1}{2}^{\circ}$ W., 58 lks. dist., marked T10N R12E S11 BT.

A juniper, 30 ins. diam., bears N. $21\frac{1}{2}^{\circ}$ W., 127 lks. dist., marked T10N R12E S2 BT.

Land, mountainous and broken.

Soil, rocky, 4th rate.

Timber, juniper, oak and pinyon.

Undergrowth, oakbrush.

S. $89^{\circ} 48'$ E., on random line, bet. secs. 1 and 12.

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

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

49

Chains	
80.27	Intersect the E. bdy. of the Tp. 12 lks. S. of the cor. of secs. 1 and 12, hereinbefore described.
	Thence
	N. 89° 53' W., on true line, bet. secs. 1 and 12.
	Over mountainous land, thru dense timber and medium undergrowth.
	Asc. 70 ft. over SE. slope.
5.37	Old trail, bears NE. and SW.
7.67	Spur ridge, bearing NE. and SW., sloping SW. Desc. 108 ft. over NW. slope.
19.74	Asc. 49 ft. over NE. slope.
24.38	Desc. 111 ft. over NW. slope.
30.59	Asc. 92 ft. over NE. slope.
35.50	Desc. 30 ft. over N. slope to
40.14	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S. 1}{S. 12}$
	1938
	from which
	A live oak, 6 ins. diam., bears S. 68 $\frac{1}{2}$ ° W., 55 lks. dist., marked $\frac{1}{4}$ S12 BT.
	A juniper, 36 ins. diam., bears N. 55° W., 180 lks. dist., marked $\frac{1}{4}$ S1 BT.
	Desc. 118 ft. over NW. slope.
47.40	Asc. 153 ft. over NE. slope.
57.37	Desc. 91 ft. over NW. slope.
63.66	Asc. 100 ft. over NE. slope.
72.97	Spur, slopes NW. Desc. 79 ft. over SW. slope.
77.15	Wash, 5 lks. wide, course NW., near head. Desc. 10 ft. over NW. slope to
80.27	The cor. of secs. 1, 2, 11 and 12.
	Land, mountainous. Soil, rocky clay, 4th rate. Timber, juniper and oak. Undergrowth, oakbrush.
	N. 0° 14' E., on true line, bet. secs. 1 and 2, a flag on the cor. of secs. 1, 2, 35 and 36 on N. bdy. of the Tp. being visible at such bearing.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 47 ft. over NW. slope.

Chains

- .1.80 Wash, 10 lks. wide, course NW. Asc. 50 ft. over SW, slope.
- 6.20 Spur, slopes NW. Desc. 500 ft. over NE. slope.
- 25.70 Wash, 30 lks. wide, course NW., in bottom of canyon. Asc. 310 ft. over steep broken S. slope.
- 35.40 Spur, slopes SW. near point of same. Thence across top of spur.
- 35.55 Triangulation point "A". Continue chaining. Leave top of spur. Asc. gradually over W. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S2 | S1
 1938

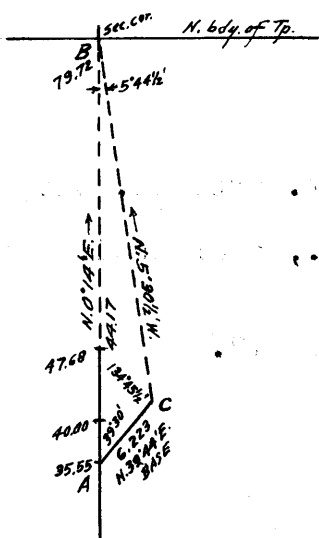
from which

- A juniper, 6 ins. diam., bears N. $15\frac{1}{2}^\circ$ E., 140 lks. dist., marked $\frac{1}{4}$ S1 BT.
- A juniper, 6 ins. diam., bears N. $69\frac{1}{2}^\circ$ W., 31 lks. dist., marked $\frac{1}{4}$ S2 BT.

Asc. 30 ft. over W. slope to

- 47.68 S. rim of Bull Tank Canyon, bears N. 36° E. and S. 36° W. Discontinue chaining at this point, owing to precipitous slopes and cliffs in said canyon. Vertical angle to flag on the cor. of secs. 1, 2, 35 and 36 on N. bdy. of the Tp. is $+13\frac{1}{2}^\circ$, and to bottom of Bull Tank Canyon is -21° .

Triangulate measurement of the remainder of the sec. line as follows:



Designate 35.55 ch. station on line as "A", and the flag on the cor. of secs. 1, 2, 35 and 36 on N. bdy. of Tp. as "B".

Vertical angle from "A" to "B" is $+9^\circ$.

From "A" double chain a base N. $39^\circ 44'$ E. to point "C". Mean of the two measurements is 6.223 chs. A longer base could not be obtained for this triangulation.

From "C" the flag "B" bears N. $5^\circ 30\frac{1}{2}'$ W.

Included angles of the triangle "A-B-C" are: $39^\circ 30'$, $5^\circ 44\frac{1}{2}'$, and $134^\circ 45\frac{1}{2}'$, the sum of which is $180^\circ 00'$.

Dist. chained to triangulation point "A" = 35.55 chs. N. $0^\circ 14'$ E.
 Dist. triangulated "A" to "B" = 44.17 " N. $0^\circ 14'$ E.
 Total length of sec. line = 79.72 " "

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

Chains	
61.00	(Approx.) Wash, 20 lks. wide, course S. 36° W., in bottom of Bull Tank Canyon, about 330 ft. below 47.68 ch. station. Ascend about 600 ft. over cliffs facing SE.
70.00	(Approx.) Top of cliffs and N. rim of Bull Tank Canyon, bears NE. and SW. Asc. about 150 ft. over SE. slope to
79.72	Intersect the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.
	Land, mountainous and broken. Soil, rocky, 4th rate. Timber, oak and juniper. Sycamore along the bottoms of the canyons. Undergrowth; oakbrush.
	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., established under this group, as described in field notes of survey of T. 9 N., R. 12 E.,
	N: 0° 01' W., bet. secs. 34 and 35.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Descend gradually over E. slope.
8.30	Spur, slopes NE. Desc. 233 ft. over NE. and E. slopes to
23.78	Low ridge, bears NE. and SW. Desc. 133 ft. over NW. and W. slopes to
36.73	Spur, slopes NW. Desc. 37 ft. over NE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for 1/4 sec. cor., with brass cap marked
	S34 S35
	1938
	from which A juniper, 8 ins. diam., bears N. 16 1/2° E., 130 lks. dist., marked 1/4 S35 BT.
	A juniper, 5 ins. diam., bears S. 79° W., 21 lks. dist., marked 1/4 S34 BT.
	Desc. 239 ft. over NE. slope.
65.48	Wash, 20 lks. wide, course SW., in bottom of canyon, at mouth of another canyon from SE. Asc. 134 ft. over SE. slope.
73.80	Spur, slopes SW. Desc. 76 ft. over NW. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked
	T10N R12E S27 S26 S34 S35
	1938 from which

Chains	
	<p>A juniper, 40 ins. diam., bears S. $24\frac{1}{2}^{\circ}$ E., 95 lks. dist., marked T10N R12E S35 BT.</p> <p>A pinyon, 8 ins. diam., bears S. $42\frac{3}{4}^{\circ}$ W., 76 lks. dist., marked T10N R12E S34 BT.</p> <p>A juniper, 8 ins. diam., bears N. 9° W., 178 lks. dist., marked T10N R12E S27 BT.</p> <p>No other bearing tree available.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, oak, juniper and pinyon. Undergrowth, oakbrush and manzanita.</p>
	<p>S. $89^{\circ} 58'$ E., on random line, bet. secs. 26 and 35.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.77	Intersect N. and S. line 3 lks. N. of the cor. of secs. 25, 26, 35 and 36.
	Thence
	N. $89^{\circ} 57'$ W., on true line, bet. secs. 26 and 35.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Asc. 70 ft. over SE. slope.
4.27	Trail, bears NE. and SW.
4.75	Spur, slopes S. Desc. 40 ft. over W. slope.
10.100	Head of wash, course S. Asc. 67 ft. over E. slope.
15.92	Spur, slopes S. Desc. 25 ft. over SW. slope.
20.30	Desc. 23 ft. over S. slope.
25.29	Spur, slopes SW. Desc. 178 ft. over W. slope.
34.31	Wash, 20 lks. wide, course S. Asc. 127 ft. over E. slope to
39.88	Set an iron post, $\frac{3}{4}$ ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 26 \\ S 35 \end{array}$
	1938 from which
	<p>A live oak, 6 ins. diam., bears N. $16\frac{3}{4}^{\circ}$ E., 106 lks. dist., marked $\frac{1}{4}$ S26 BT.</p> <p>A live oak, 6 ins. diam., bears S. $54\frac{1}{4}^{\circ}$ W., 78 lks. dist., marked $\frac{1}{4}$ S35 BT.</p> <p>Asc. 60 ft. over E. slope.</p>
48.65	Ridge, bears NE. and SW. Desc. 210 ft. over W. slope.
62.07	Wash, 20 lks. wide, course S. Asc. 160 ft. over SE. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

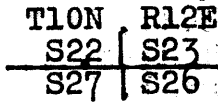
53

Chains	
70.25	Spur, slopes SW. Desc. 212 ft. over NW. slope to
79.77	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, rocky, 4th rate. Timber, oak and juniper. Undergrowth, oakbrush.
	N. 0° 01' W., bet. secs. 26 and 27.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. slightly over NW. slope.
0.40	Wash, 3 lks. wide, course W. Asc. gradually over SW. slope.
4.20	Desc. 14 ft. over NW. slope.
6.50	Wash, 30 lks. wide, course SW. Asc. 283 ft. over SE. slope to $\frac{1}{4}$ sec. cor.
7.90	Old trail, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S27 S26
	1938
	from which
	A juniper, 40 ins. diam., bears S. 4 $\frac{1}{4}$ ° E., 71 lks. dist., marked $\frac{1}{4}$ S26 BT.
	A white oak, 14 ins. diam., bears N. 87° W., 140 lks. dist., marked $\frac{1}{4}$ S27. BT.
	U.S. Geological Survey bench mark, bears N. 32° 17' E., 10.60 chs. dist., which is a brass tablet set in a granite boulder and marked
	ELEVATION
	Above Δ Sea
	5395 FT.
	R50-1933
	Bench Mark
	Asc. 80 ft. over SE. slope.
47.00	Trail to Lower Corral, bears N. 73° E., and S. 73° W.
49.29	Ridge, bears E. and W. Desc. 111 ft. over NW. slope.
55.68	Wash, 15 lks. wide, course NE. Asc. 25 ft. over SE. slope.
61.75	Fork of spurs, sloping NE. and NW., from SW. Desc. 279 ft. over N. slope.
65.25	Trail to Hell's Gate, bears N. 65 $\frac{1}{4}$ ° W., and S. 65 $\frac{1}{4}$ ° E.
75.12	Head of wash, course NE. Thence over E. slope. Desc. 18 ft.
78.79	Asc. 36 ft. to

Survey: Subdivision lines: T. 10 N., R. 12 E.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap marked



1938

from which .

A juniper, 16 ins. diam., bears N. $61\frac{1}{2}^{\circ}$ E., 159 lks. dist., marked T10N R12E S23 BT.

A white oak, 14 ins. diam., bears S. $79\frac{3}{4}^{\circ}$ E., 108 lks. dist., marked T10N R12E S26 BT.

A pinyon, 6 ins. diam., bears S. $17\frac{3}{4}^{\circ}$ W., 68 lks. dist., marked T10N R12E S27 BT.

A white oak, 6 ins. diam., bears N. $84\frac{1}{2}^{\circ}$ W., 189 lks. dist., marked T10N R12E S22 BT.

Land, mountainous.
 Soil, rocky clay, 3rd and 4th rates.
 Timber, juniper, oak and pinyon.
 Undergrowth, oakbrush.

40.00

S. $89^{\circ} 57'$ E., on random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.

79.74

Intersect N. and S. line 7 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence

West, on true line, bet. secs. 23 and 26.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 32 ft. over NE. slope.

2.14

Thence over N. slope, ascending 68 ft. to

14.02

Head of wash, course NE. Asc. 100 ft. over E. slope.

18.78

Spur, slopes NE. Desc. 148 ft. over NW. slope.

27.45

Wash, 15 lks. wide, course NE. Asc. 137 ft. over E. slope.

35.79

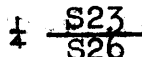
Spur, slopes N. Earthen tank bears S. 17° E. about 15 chs. dist. Desc. 92 ft. over W. slope to $\frac{1}{4}$ sec. cor.

36.74

Dim trail, bears N. and S.

39.87

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked



1938

from which

A live oak, 14 ins. diam., bears S. 3° W., 144 lks.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

55

Chains

dist., marked $\frac{1}{4}$ S26 BT.

A live oak, 6 ins. diam., bears N. $46\frac{1}{2}^{\circ}$ W., 87 lks.
dist., marked $\frac{1}{4}$ S23 BT.

Desc. 186 ft. over SW. slope.

51.61 Desc. gradually over S. slope.

61.31 Spur, slopes SW., near point of same. Desc. 213 ft. over
W. slope.

68.58 Wash, 30 lks. wide, course NW. in bottom of canyon, at
head of Smoky Hollow. Asc. 35 ft. over NE. slope to

71.80 Wash, 15 lks. wide, course NE. Asc. 181 ft. over steep
E. slope to

79.74 The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.

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

Timber, juniper and oak.

Undergrowth, oakbrush.

N. $0^{\circ} 01'$ W., bet. secs. 22 and 23.

Over mountainous land, thru dense timber and undergrowth.

Along heavily rolling general E. slope from long spur, the
top of which, sloping N. is about 5 chs. W. of line.
Asc. 55 ft.

6.00 Desc. 52 ft.

10.94 Asc. 43 ft.

14.27 Desc. 62 ft.

20.00 Asc. 55 ft.

24.31 Desc. 68 ft.

32.68 Asc. 23 ft.

34.65 Desc. 46 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground to bedrock, and in a mound of stone to top,
for $\frac{1}{4}$ sec. cor., with brass cap marked

S22 | S23

1938

from which

A pinyon, 8 ins. diam., bears S. 73° E., 42 lks..
dist., marked $\frac{1}{4}$ S23 BT.

A white oak, 14 ins. diam., bears S. $77\frac{1}{2}^{\circ}$ W., 27 lks.
dist., marked $\frac{1}{4}$ S22 BT.

Continue along heavily rolling, general E. slope from long
spur.

Timber and undergrowth becomes scattering. Asc. 9 ft.

Chains							
41.50	Desc. 93 ft.						
49.85	Asc. 47 ft.						
53.18	Desc. 22 ft.						
55.96	Asc. 17 ft. over SE. slope.						
61.00	Same long spur, slopes NE. Hell's Gate trail bears N. $37\frac{1}{4}^\circ$ E. and S. $37\frac{1}{4}^\circ$ W. along the top of this spur, and from this point another trail extends N. Desc. 63 ft. over NW. and W. slopes along trail.						
65.00	Leave trail, bears NW. and S.						
66.25	Spur, slopes NW. Desc. 103 ft. over NE. slope.						
72.66	Head of wash, course NE. Asc. gradually along E. slope.						
77.60	Asc. 19 ft. over SE. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked						
	<table border="1"> <tr> <td>T10N</td> <td>R12E</td> </tr> <tr> <td>S15</td> <td>S14</td> </tr> <tr> <td>S22</td> <td>S23</td> </tr> </table>	T10N	R12E	S15	S14	S22	S23
T10N	R12E						
S15	S14						
S22	S23						
	1938						
	No bearing trees available.						
	Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.						
	Land, mountainous. Soil, rocky clay, 3rd and 4th rates. Timber, juniper, oak and pinyon. Undergrowth, oakbrush.						
	East, on random line, bet. secs. 14 and 23.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.76	Intersect N. and S. line 3 lks. S. of the cor. of secs. 13, 14, 23 and 24.						
	Thence						
	S. $89^\circ 59'$ W., on true line, bet. secs. 14 and 23.						
	Over mountainous land, thru scattering timber and undergrowth.						
	Desc. slightly over W. slope.						
0.15	Wash, course NW., near head. Asc. 69 ft. over NE. slope.						
10.43	Spur, slopes NW. Thence across top of spur.						
11.90	Leave top of spur. Desc. 414 ft. over W. and NW. slopes.						
28.30	Desc. 132 ft. over N. slope.						
37.06	Spur, slopes NW. Desc. 64 ft. over SW. slope to						
39.88	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in						

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4221

Chains

the ground to bedrock, and in a small mound of stone to top, for 1/4 sec. cor., with brass cap marked

S 14
S 23

1938 from which

A pinyon, 12 ins. diam., bears S. 33° W., 49 lks. dist., marked 1/4 S23 BT.

A pinyon, 18 ins. diam., bears N. 77 1/2° W., 148 lks. dist., marked 1/4 S14 BT.

Undergrowth becomes dense. Desc. 367 ft. over steep SW. slope.

50.60 Wash, 40 lks. wide, course N. from SW., in bottom of canyon known as Smoky Hollow. At about 30 lks. SW. from this point is the mouth of a wash and canyon from SE. Asc. 149 ft. over steep E. slope.

54.50 Point of spur, slopes NE. Asc. 30 ft. over N. slope.

56.81 Hell's Gate trail, bears N. 32 1/2° E. and S. 23 1/2° E. Turns to SW. at 80 lks. SE. of this point.

63.08 Desc. 30 ft. over NW. slope.

66.50 Wash, 20 lks. wide, course NE. Asc. 359 ft. over steep SE. slope to

79.76 The con. of secs. 14, 15, 22 and 23.

Land, mountainous. Soil, rocky, 4th rate.

Timber, oak, juniper and pinyon.

Undergrowth, oakbrush.

N. 0° 01' W., bet. secs. 14 and 15.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 43 ft. over SE. slope.

6.27 Fork of spurs, sloping NE. and N. 5° W., from S. 5° W. Trail bearing N. 5° W. and S. 5° W. along top of spur, is about 50 lks. W. of this point. Desc. 182 ft. over NE. slope.

13.95 Head of ravine course NE. Asc. 92 ft. along E. slope.

24.29 Desc. 95 ft. over E. slope.

30.90 Asc. 80 ft. over SE. slope.

38.26 Short spur, slopes NE. Desc. 13 ft. over N. slope to

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

1/4

S15 | S14

1938

from which

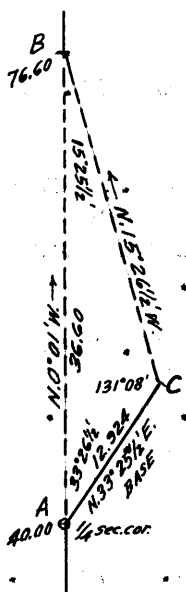
Chains

A juniper, 6 ins. diam., bears S. $37\frac{1}{4}^\circ$ E., 84 lks. dist., marked $\frac{1}{4}$ S14 BT.

A juniper, 12 ins. diam., bears S. 57° W., 90 lks. dist., marked $\frac{1}{4}$ S15 BT.

This cor. is at S. rim of Tonto Creek Canyon, bearing NE. and SW.

Discontinue chaining owing to precipitous slopes and cliffs in the canyon, and triangulate measurement of the sec. line across the canyon as follows:



Designate the $\frac{1}{4}$ sec. cor. of secs. 14 and 15 as triangulation point "A".

Set flag "B" ahead on sec. line, on opposite side of canyon, the vertical angle to which, from "A" is $-4\frac{3}{4}^\circ$.

Vertical angles from "A" and "B" to bottom of canyon are -18° and -26° , respectively.

From "A" double chain a base N. $33^\circ 25\frac{1}{2}'$ E. to point "C".

Mean of the two measurements is 12.924 chs.

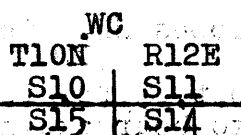
A longer base cannot be chained for this triangulation. From "C" the flag "B" bears N. $15^\circ 26\frac{1}{2}'$ W. Included angles of the triangle "A-B-C" are: $33^\circ 26\frac{1}{2}'$, $15^\circ 25\frac{1}{2}'$ and $131^\circ 08'$, the sum of which is $180^\circ 00'$.

Chained dist. on sec. line to "A" = 40.00 chs. N. $0^\circ 01'$ W.
 Triangulated dist. from "A" to "B" = 36.60 chs. N. $0^\circ 01'$ W.
 Total dist. sec. cor. to "B" = 76.60 chs. N. $0^\circ 01'$ W.

65.00 (Approx.) Tonto Creek, 50 lks. wide, course S. 60° W. from N. 88° E., in bottom of canyon, about 550 ft. below $\frac{1}{4}$ sec. cor. A stream of water 30 lks. wide, 10 ins. deep, is flowing in the creek at this time. Asc. about 370 ft. over precipitous, rocky S. slope and cliffs to

76.60 Triangulation point "B". Saddle in rocky spur sloping E. U.S.G.S. bench mark R49, elevation 3983 feet above sea level, bears S. $59^\circ 46'$ E., 16.09 chs. dist. Resume chaining and continue line and measurement. Desc. 17 ft. over N. slope to

78.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to cor. of secs. 10, 11, 14 and 15, with brass cap marked



1938

from which

A pinyon, 6 ins. diam., bears N. $24\frac{3}{4}^\circ$ E., 77 lks. dist., marked WC T10N R12E S11 BT.

A juniper, 10 ins. diam., bears S. $67\frac{1}{4}^\circ$ E., 50 lks.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227 59

Chains

dist., marked WC T10N R12E S14 BT.
 An oak, 10 ins. diam., bears S. $76\frac{1}{4}^{\circ}$ W., 115 lks. dist., marked WC T10N R12E S15 BT.
 A pinyon, 8 ins. diam., bears N. $59\frac{3}{4}^{\circ}$ W., 111 lks. dist., marked WC T10N R12E S10 BT.
 Desc. 60 ft. over slide rock on steep N. slope to
 80.00 True point for cor. of secs. 10, 11, 14 and 15 is in slide rock, where it is impracticable to monument the cor. therefore witness cor. is established at 2.00 chs. S. $0^{\circ} 01' E.$, as described above.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper, oak and pinyon.
 Undergrowth, oakbrush.

From true point for cor. of secs. 10, 11, 14 and 15.
 N. $89^{\circ} 57' E.$, on random line, bet. secs. 11 and 14:

16.50 W. rim of Tonto Creek Canyon. Discontinue chaining owing to almost vertical walls of the canyon. Triangulate measurement of the random sec. line across the canyon as follows:

Set flag at true point for cor. of secs. 10, 11, 14 and 15, designated as triangulation point "A".

Set flag "B" ahead on random line beyond E. rim of canyon, the vertical angle to which from "A" is $-1\frac{3}{4}^{\circ}$.

From "B" chain a base N. $0^{\circ} 03' W.$, 10.00 chs. to point "C" from which the flag "A" bears S. $67^{\circ} 08' W.$

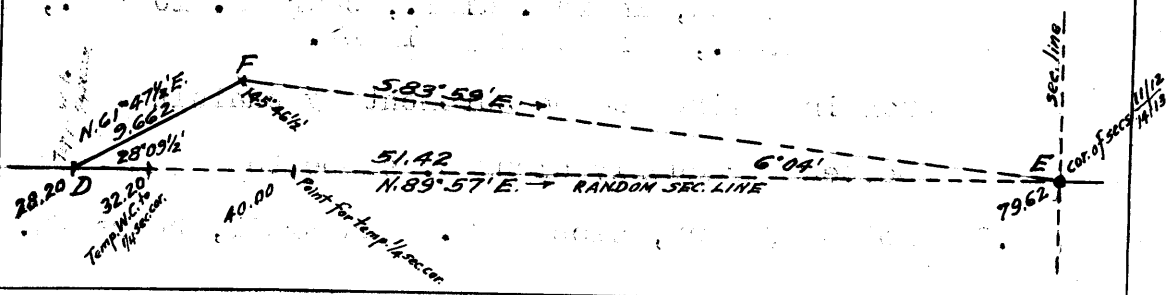
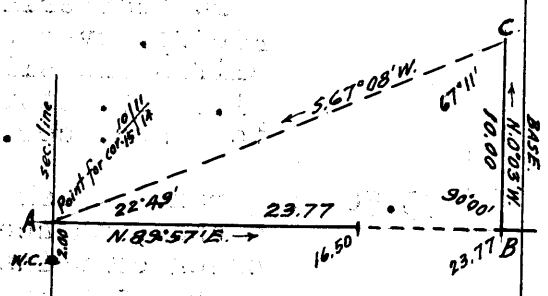
Included angles of the triangle "A-B-C" are $22^{\circ} 49'$, $90^{\circ} 00'$ and $67^{\circ} 11'$, the sum of which is $180^{\circ} 00'$.

Triangulated dist. on random line "A" to "B" = 23.77 chs. N. $89^{\circ} 57' E.$

23.77 Triangulation point "B". Resume chaining and continue line and measurement.

28.20 Triangulation point "D". Continue chaining.

32.20 N. rim of Marsh Creek Canyon, bears NE. and SW. Precipitous slopes and cliffs beyond this point render chaining impracticable, and as the point for temp. $\frac{1}{4}$ sec. cor. is inaccessible, set temp. witness cor. to $\frac{1}{4}$ sec. cor. at 32:20 ch. station and triangulate measurement of the remainder of the random line as follows:



Survey: Subdivision lines: T. 10 N., R. 12 E.

60

Chains

Designate 28.20 ch. station on random line as "D".
Set flag "E" on the cor. of secs. 11, 12, 13 and 14, which bears N. $89^{\circ} 57'$ E., therefore the random sec. line intersects said sec. cor.

From triangulation point "D" double chain a base N. $61^{\circ} 47\frac{1}{2}'$ E. to point "F" from which the flag "E" bears S. $83^{\circ} 59'$ E.

Mean of the two measurements of the base "D-F" is 9.662 chs.

Vertical angle "D" to "E" is $+2\frac{1}{4}^{\circ}$.

Included angles of the triangle "D-E-F" are $28^{\circ} 09\frac{1}{2}'$, $6^{\circ} 04'$ and $145^{\circ} 46\frac{1}{2}'$, the sum of which is $180^{\circ} 00'$.

Chained and triangulated dist.

to "D" = 28.20 chs. N. $89^{\circ} 57'$ E.

Triangulated dist. "D" to "E" = 51.42 "

Total length of sec. line = 79.62 chs. N. $89^{\circ} 57'$ E.

79.62 Triang. point "E" at intersection of the random line with the cor. of secs. 11, 12, 13 and 14.

Thence

S. $89^{\circ} 57'$ W., on true line, bet. secs. 11 and 14.

Over mountainous land, on S. side of Marsh Creek Canyon, thru scattering timber and undergrowth. Desc. about 400 ft. over precipitous, broken NW. slope, across cliffs and slide rock. Measurement by triangulation to 51.42 ch. station and return chaining to witness cor. to $\frac{1}{4}$ sec. cor.

33.50 (Approx.) Marsh Creek, 50 lks. wide, course S. 50° W. for 6 chs., thence S. 84° W., in bottom of canyon. This creek contains a stream of water, 20 lks. wide, 6 ins. deep, at this time. Ascend about 250 ft. over steep, broken SE. slope to witness cor. to $\frac{1}{4}$ sec. cor. at N. rim of Marsh Creek Canyon, across cliffs and sliderock.

39.81 True point for $\frac{1}{4}$ sec. cor. is on precipitous slope where it is inaccessible and cannot be monumented, therefore establish witness cor. on line at 7.61 chs. S. $89^{\circ} 57'$ W.

47.42 N. rim of Marsh Creek Canyon, bears NE. and SW.
Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S $\frac{11}{14}$ WC

1938

from which

A pinyon, 6 ins. diam., bears N. 34° E., 35 lks. dist., marked WC $\frac{1}{4}$ S11 BT.

A pinyon, 14 ins. diam., bears S. $10\frac{3}{4}^{\circ}$ E., 15 lks. dist., marked WC $\frac{1}{4}$ S14 BT.

Continue line and measurement by chaining.

Descend gradually along S. slope to

53.22 Point of spur, slopes SW. Old trail, bears NE. and SW.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227 61

Chains	along top of spur. Desc. 120 ft. over steep W. slope to E. rim of Tonto Creek Canyon.
55.85	Triangulation point "B". Continue chaining.
59.42	E. rim of Tonto Creek Canyon, bears N. 20° E. and S. 20° W. Discontinue chaining at this point. Measurement across canyon by triangulation hereinbefore described. Desc. about 200 ft. over almost vertical E. wall of canyon.
61.80	(Approx.) Tonto Creek, 50 lks. wide, with stream of water 20 lks. wide, course S. 20° W., in bottom of canyon. Hell's Gate, the junction of Marsh Creek Canyon from N. 84° E., and Smoky Hollow from S., with Tonto Creek Canyon, is about 15 chs. S. 20° W. from this point on sec. line. Asc. about 200 ft. over nearly vertical W. wall of canyon to
63.12	W. rim of Tonto Creek Canyon, bears N. 20° E. and S. 20° W. Resume chaining and continue line and measurement. Asc. 55 ft. over SE. slope.
66.90	Hell's Gate trail, bears NW. and SE.
68.82	Spur, slopes S. Desc. 120 ft. over SW. slope.
73.60	Gulch, course SE. Asc. 135 ft. over NE. and N. slopes to
79.62	The true point for cor. of secs. 10, 11, 14 and 15. Land, mountainous and broken. Soil, rocky, 4th rate. Timber, oak, juniper and pinyon. Undergrowth, oakbrush.
	From true point for cor. of secs. 10, 11, 14 and 15. N. 0° 01' W., bet. secs. 10 and 11. Over mountainous land, thru scattering timber and undergrowth. Desc. 105 ft. over N. slope.
6.62	Gulch, course SE. Asc. 84 ft. over SW. slope to
14.30	Spur, slopes SE. Thence across top of spur.
16.60	Leave top of spur. Desc. 85 ft. over NE. slope.
26.07	Gulch, course SE. Asc. 129 ft. over SW. slope.
31.66	Hell's Gate trail, bears NW. and SE.
35.26	Hell's Gate ridge, bears NW. and SE.. Desc. 88 ft. over NE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. 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 marked

S10 | S11

1938

from which

Chains

A pinyon, 12 ins. diam., bears N. 35 $\frac{1}{2}$ ° E., 35 lks. dist., marked $\frac{1}{4}$ S11 BT.

No other bearing tree available.

Desc. 15 ft. over NE. slope.

40.97 Head of draw, course E. Asc. 25 ft. over SE. slope.

44.00 Point of spur, slopes SE. Desc. gradually over E. slope to

48.65 Desc. 239 ft. over steep broken NE. slope.

58.08 Wash, 15 lks. wide, in bottom of canyon, course SE. Asc. 408 ft. over steep broken SW. slope.

70.95 Point of short spur, slopes SW. Desc. 61 ft. over NW. slope.

74.51 Head of short draw, course SW. Asc. 40 ft. over SW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 2, 3, 10 and 11, with brass cap marked

T10N R12E
 S3 | S2
 S10 | S11

1938

from which

A pinyon, 10 ins. diam., bears N. 62° E., 85 lks. dist., marked T10N R12E S2 BT.

A pinyon, 8 ins. diam., bears S. 36° E., 94 lks. dist., marked T10N R12E S11 BT.

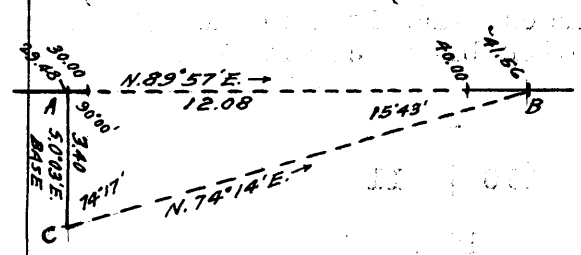
A juniper, 8 ins. diam., bears S. 66 $\frac{1}{2}$ ° W., 293 lks. dist., marked T10N R12E S10 BT.

No other bearing tree available.

Land, mountainous and broken.
 Soil, rocky, 4th rate.
 Timber, pinyon and juniper.
 Undergrowth, oakbrush and manzanita.

29.48 N. 89° 57' E., on random line, bet. secs. 2 and 11. Triangulation point "A".

30.00 Top of cliffs and W. rim of Tonto Creek Canyon, bears N. and S. Discontinue chaining and triangulate measurement of the random line across cliffs on W. wall of canyon as follows:



Designate 29.48 ch. station as triangulation point "A" and chain a base S. 0° 03' E. 3.40 chs. to point "C".

Set flag "B" ahead on random line which bears N. 74° 14' E. from "C".

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

63

Chains	Included angles of triangle "A-B-C" are: $90^{\circ} 00'$, $15^{\circ} 43'$ and $74^{\circ} 17'$, the sum of which is $180^{\circ} 00'$.
	Dist. chained on random line to "A" = 29.48 chs. N. $89^{\circ} 57' E$.
	Dist. triangulated from "A" to "B" = 12.08 chs. "
	Total dist. sec. cor. to "B" = 41.56 chs. N. $89^{\circ} 57' E$.
	From triangulation point "B" chain return measurement 1.56 chs. S. $89^{\circ} 57' W$. to
40.00	Set temp. $\frac{1}{4}$ sec. cor.
	Thence N. $89^{\circ} 57' E$., on random line, bet. secs. 2 and 11, continuing measurement from sec. cor.
79.67	Intersect N. and S. line 19 lks. N. of the cor. of secs. 1, 2, 11 and 12.
	Thence
	N. $89^{\circ} 55' W$., on true line, bet. secs. 2 and 11.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 180 ft. over N. slope.
19.06	Asc. 48 ft. over NE. slope.
21.85	Desc. 18 ft. over N. slope.
24.50	E. rim of Tonto Creek Canyon, bearing NE. and SW. Desc. 530 ft. over steep broken NW. slope to
39.61	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$WC\frac{1}{4} \quad \frac{S \ 2}{S \ 11}$
	1938
	from which
	A pinyon, 10 ins. diam., bears N. $87^{\circ} E$., 177 lks. dist., marked $WC\frac{1}{4} S2 BT$.
	A pinyon, 16 ins. diam., bears S. $5\frac{1}{2}^{\circ} W$., 56 lks. dist., marked $WC\frac{1}{4} S11 BT$.
	This witness cor. is at top of small cliff bearing NE. and SW. facing NW.
	Discontinue chaining. Measurement to W. rim of Tonto Creek Canyon by triangulation hereinbefore described.
	Desc. 85 ft. over NW. slope to bottom of canyon.
39.84	True point for $\frac{1}{4}$ sec. cor. falls on face of cliff where it cannot be monumented therefore establish witness cor. on line at 23 lks. S. $89^{\circ} 55' E$. as described above.
41.80	(Approx.) Tonto Creek, 50 lks. wide, containing a stream of water 30 lks. wide, 6 ins. deep, course S. $12^{\circ} W$., from N. $59^{\circ} E$., in bottom of canyon.
42.30	(Approx.) Mouth of Salt Lick Canyon from N. Leave bottom of Tonto Creek Canyon. Asc. about 250 ft. over cliffs facing E.

Chains

- 49.67 W. rim of Tonto Creek Canyon bears N. and S. Resume chaining and continue line and measurement. Asc. 325 ft. over NE. slope.
- 73.80 Ridge bears NW. and SE. Thence across top of ridge.
- 75.30 Leave top of ridge. Desc. 72 ft. over SW. slope to
- 79.67 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, oak, pinyon and juniper.
Undergrowth, oakbrush and manzanita.

N. 0° 01' W., on random line, bet. secs. 2 and 3.

- 25.66 Discontinue chaining at this point, owing to precipitous slopes and cliffs on the sides of Salt Lick Canyon which crosses the line beyond this point. Triangulate measurement of the random line across the canyon as follows:

Designate 25.66 ch. station on random line as triangulation point "A".

Set flag "B" ahead on random line on top of ridge on opposite side of canyon.

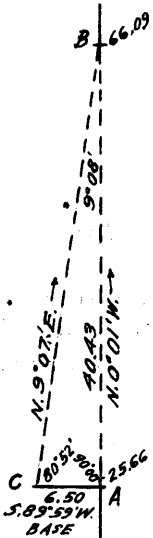
From "A" double chain a base S. 89° 59' W. to point "C".

Mean of the two measurements of the base is 6.50 chs.

A longer base could not be obtained at this point.

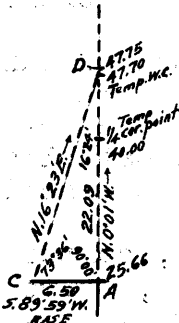
From "C" the flag "B" bears N. 9° 07' E.

Included angles of triangle "A-B-C" are 90° 00', 9° 08' and 80° 52', the sum of which is 180° 00'.



Chained dist. on random line to "A" = 25.66 chs. N. 0° 01' W.
Triangulated dist. "A" to "B" = 40.43 chs. "
Total dist. sec. cor. to "B" = 66.09 chs. N. 0° 01' W.

Owing to precipitous slopes and cliffs on the NE. side of Salt Lick Canyon it is impracticable to chain return measurement from 66.09 ch. station to set temp. 1/4 sec. cor., therefore triangulate measurement to a point on random line N. of point for 1/4 sec. cor. as follows:



Using the base "A-C" of the above described triangulation, set a flag "D" ahead on random line, on a small ledge on the NE. side of Salt Lick Canyon, and bearing N. 16° 23' E. from point "C".

Vertical angles from point "A" to point "D" and to bottom of canyon, are, -6 3/4° and -29°, respectively.

Included angles of triangle "A-C-D" are: 90° 00', 73° 36' and 16° 24', the sum of which is 180° 00'.

Survey: Subdivision lines T. 10 N., R. 12 E.

Chains	
	Chained dist. on random line to "A" = 25.66 chs. N.0°01'W. Triangulated dist. "A" to "D" = 22.09 chs. "
	Total dist. sec. cor. to "D" = 47.75 chs. N.0°01'W.
40.00	Point for temp. $\frac{1}{4}$ sec. cor. is on face of cliffs and is inaccessible. From triangulation point "D" chain return measurement 5 lks. S. 0° 01' E. to
47.70	Set temp. witness cor. to $\frac{1}{4}$ sec. cor.
47.75	Triangulation point "D".
66.09	Triangulation point "B". Resume chaining and continue line and measurement.
79.69	Intersect N. bdy. of the Tp. 23 lks. W. of the cor. of secs. 2, 3, 34 and 35, hereinbefore described Thence S. 0° 09' W., on true line, bet. secs. 2 and 3. Over mountainous land, thru scattering timber and medium undergrowth. Asc. 159 ft. over broken NE. slope.
13.60	Ridge, bears NW. and SE. and NE. rim of Salt Lick Canyon. Discontinue chaining at this point. Measurement to 31.99 and 54.03 ch. stations by triangulations hereinbefore described. Desc. about 225 ft. over steep broken SW. slope on NE. side of Salt Lick Canyon.
31.99	On small ledge bearing NW. and SE. at top of cliffs facing SW. Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S3 S2 WC 1938 from which A pinyon, 10 ins. diam., bears N. 79° E., 64 lks., dist., marked WC $\frac{1}{4}$ S2 BT. A pinyon, 10 ins. diam., bears N. 30° W., 45 lks. dist., marked WC $\frac{1}{4}$ S3 BT. Desc. about 200 ft. to bottom of canyon over cliffs facing SW.
39.69	True point for $\frac{1}{4}$ sec. cor. is on face of cliff where it is inaccessible and cannot be monumented, therefore establish witness cor. on line at the nearest and most suitable point as described above, which is 7.70 chs. N. 0° 09' E.
44.70	(Approx.) Bottom of Salt Lick Canyon, 20 lks. wide, course SE., containing shallow pools of water at intervals. Asc. about 375 ft. over cliffs facing NE.
54.03	Spur, slopes SE., and SW. rim of Salt Lick Canyon.

Chains Resume chaining and continue line and measurement,
Desc. 85 ft. over SW. slope.

59.64 Bottom of gulch, course SE. Asc. 110 ft. over NE. slope.

66.25 Ridge, bears NW. and SE. Desc. 119 ft. over broken SW.
slope to

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

Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinyon, oak and juniper.
Undergrowth, oakbrush, manzanita and locust.

From the cor. of secs. 3, 4, 33 and 34, on S1 bdy. of Tp.,
established under this group as described in field notes
of survey of T. 9 N., R. 12 E.,

N. 0° 02' W., bet. secs. 33 and 34.

Over mountainous land, thru scattering timber and dense
undergrowth.

Desc. 335 ft. over steep, broken NW. and W. slopes to spur.

2.85 Cliff, 40 ft. high, bearing NE. and SW. facing NW.

23.17 Spur, slopes NW. Trail, bears N. 73° E. and S. 73° W.
Desc. 115 ft. over N. slope to

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

$\frac{1}{4}$

S33 | S34

1938

from which

A pinyon, 4 ins. diam., bears N. 36° E., 50 lks.
dist., marked $\frac{1}{4}$ S34 BT.

A pinyon, 5 ins. diam., bears N. 52° W., 90 lks.
dist., marked $\frac{1}{4}$ S33 BT.

Desc. 27 ft. over N. slope.

45.71 Head of gulch, course NE. Asc. 89 ft. over SE. slope.

53.24 Spur, slopes NE. Desc. 232 ft. over NW. slope.

68.79 Wash, 40 lks. wide, course W., containing pools of water.
Spring bears West about 5 pchs. dist. Asc. 194 ft. over
SW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in
the ground to bedrock, and in a mound of stone to top,
for cor. of secs. 27, 28, 33 and 34, with brass cap
marked

T10N R12E
S28 | S27
S33 | S34

1938

from which

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

67

Chains	<p>A juniper, 9 ins. diam., bears N. 28° E., 42 lks. dist., marked T10N R12E S27 BT.</p> <p>A pinyon, 6 ins. diam., bears S. 79½° E., 105 lks. dist., marked T10N R12E S34 BT.</p> <p>A pinyon, 3 ins. diam., bears N. 71½° W., 69 lks. dist., marked T10N R12E S28 BT.</p> <p>No other bearing tree available.</p> <p>Land, mountainous. Soil, rocky clay, 3rd and 4th rates; Timber, pinyon, juniper and oak. Undergrowth, oakbrush and manzanita.</p> <hr/> <p>S. 89° 58' E., on random line, bet. secs. 27 and 34.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>79.97 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 26, 27, 34 and 35.</p> <p>Thence</p> <p>N. 89° 55' W., on true line, bet. secs. 27 and 34.</p> <p>Over mountainous land, thru scattering timber and dense undergrowth.</p> <p>Desc. 43 ft. over NW. slope.</p> <p>2.10 Wash, 15 lks. wide, course SW. Asc. 127 ft. over SE. slope.</p> <p>3.36 Trail, bears NE. and SW.</p> <p>16.32 Spur, slopes SE. Desc. 111 ft. over SW. slope.</p> <p>22.90 Wash, 15 lks. wide, course SE. Asc. 232 ft. over E. slope.</p> <p>34.63 Spur, slopes S. Desc. 60 ft. over NW. slope to</p> <p>39.98 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼ $\frac{S\ 27}{S\ 34}$</p> <p style="text-align: center;">1938</p> <p style="text-align: center;">from which</p> <p>A pinyon, 6 ins. diam., bears N. 35½° E., 194 lks. dist., marked ¼ S27 BT.</p> <p>A pinyon, 5 ins. diam., bears S. 65½° E., 44 lks. dist., marked ¼ S34 BT.</p> <p>Desc. 27 ft. over N. slope.</p> <p>47.96 Spur, slopes NW. Desc. 222 ft. over W. and NW. slopes.</p> <p>62.95 Head of wash, course NW. Asc. 73 ft. over NE. slope.</p> <p>71.36 Spur, slopes NW. Desc. 158 ft. over SW. slope to</p> <p>79.97 The cor. of secs. 27, 28, 33 and 34.</p>
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Chains

Land, mountainous.
Soil, rocky clay, 3rd and 4th rates.
Timber, pinyon, oak and juniper.
Undergrowth, oakbrush, manzanita and second growth timber.

N. 0° 02' W., bet. secs. 27 and 28.

Over mountainous land, thru scattering timber and dense undergrowth.

Asc. 48 ft, over SW. slope.

- 5.87 Point of spur, slopes NW. Desc. 150 ft. over NW. slope.
- 11.62 Bottom of gulch, course SW. Asc. 230 ft. over SE. slope.
- 38.71 Ridge bears E. and W. Desc. slightly across top of ridge to $\frac{1}{4}$ sec. cor.
- 38.81 Lower Corral trail bears N. 67 $\frac{1}{4}$ ° E, and N. 38° W. Timber becomes dense.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S28 | S27

1938

from which

An oak, 5 ins. diam., bears East, 15 lks. dist., marked $\frac{1}{4}$ S27 BT.

A juniper, 30 ins. diam., bears N. 46° W., 63 lks. dist., marked $\frac{1}{4}$ S28 BT.

Desc. 156 ft. over NW. slope.

- 52.12 Bottom of gulch, course W. Asc. 260 ft. over S. slope.

- 72.62 Spur, slopes W. Desc. 102 ft. over NW. slope to

- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 21, 22, 27 and 28, with brass cap marked

T10N R12E
S21 | S22
S28 | S27

1938

from which

A pinyon, 7 ins. diam., bears N. 41° E., 17 lks. dist., marked T10N R12E S22 BT.

A pinyon, 8 ins. diam., bears S. 46 $\frac{1}{4}$ ° E., 80 lks. dist., marked T10N R12E S27 BT.

A juniper, 10 ins. diam., bears S. 20 $\frac{1}{2}$ ° W., 97 lks. dist., marked T10N R12E S28 BT.

A pinyon, 10 ins. diam., bears N. 15 $\frac{1}{2}$ ° W., 40 lks. dist., marked T10N R12E S21 BT.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

69

Chains

Land, mountainous.
Soil, rocky clay, 3rd and 4th rates.
Timber, pinyon, oak and juniper.
Undergrowth, oakbrush.

- 40.00 S. 89° 55' E.; on random line, bet. secs. 22 and 27:
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. and S. line 11 lks. N. of the cor. of secs. 22, 23, 26 and 27.
- Thence
- N. 89° 50' W., on true line, bet. secs. 22 and 27.
- Over mountainous land, thru scattering timber and dense undergrowth.
- Ascend 125 ft. over E. slope.
- 6.30 Spur, slopes N. Trail bears N. and S. along top of spur. Desc. 6 ft. over NW. slope.
- 8.92 Head of draw, course N. Asc. 34 ft. over NE. slope.
- 13.25 Spur, slopes NW. Desc. 237 ft. over SW. slope.
- 26.95 Wash, 15 lks. wide, course NW. Asc. 21 ft. over NE. slope.
- 29.00 Point of spur, slopes N. Desc. 10 ft. over NW. slope.
- 31.12 Wash, 5 lks. wide, course NE. Asc. 179 ft. over SE. slope to
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

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

1938

from which

A pinyon, 6 ins. diam., bears N. 49° E., 42 lks. dist., marked $\frac{1}{4}$ S22 BT.

A pinyon, 6 ins. diam., bears S. 70 $\frac{1}{2}$ ° W., 73 lks. dist., marked $\frac{1}{4}$ S27 BT.

Asc. 295 ft. over SE. slope.

- 52.79 Spur, slopes NE. Asc. 15 ft. over N. slope to
- 56.30 Head of gulch, course NE. Asc. 25 ft. over NE. slope.
- 59.37 Ridge, bears N. 10° W. and S. 10° E. Spur slopes W. from this ridge about 5 chs. S. of this point. Desc. 430 ft. over NW. slope to
- 80.04 The cor. of secs. 21, 22, 27 and 28.

Land, mountainous.
Soil, gravelly and rocky clay, 3rd and 4th rates.
Timber, pinyon, oak and juniper.
Undergrowth, oakbrush and second growth timber.

Chains N. 0° 02' W., bet. secs. 21 and 22.
 Over mountainous land, thru dense timber and undergrowth.
 Desc. 88 ft. over NW. slope.

5.95 Bottom of gulch, course SW. Asc. 123 ft. over S. slope.

11.04 Ridge bears E. and SW. Thence across top of ridge.

12.74 Leave top of ridge. Desc. 255 ft. over NW. slope.

24.15 Bottom of gulch, course W., heading about 5 chs. E. and turning to NW. at about 5 chs. W. of this point. Asc. 20 ft. over SW. slope.

28.55 Desc. 175 ft. over W. and NW. slopes to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S21 S22

1938

from which

A juniper, 5 ins. diam., bears East, 7 lks. dist., marked $\frac{1}{4}$ S22 BT.

A pinyon, 5 ins. diam., bears N. 44° W., 78 lks. dist., marked $\frac{1}{4}$ S21 BT.

Desc. 85 ft. over NW. slope.

44.62 Bottom of canyon, course NW., heading about 10 chs. SE.
 Asc. 256 ft. over SW. slope. Timber becomes scattering.

67.08 Spur, slopes NW. Desc. 222 ft. over NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 15, 16, 21 and 22, with brass cap marked

T10N	R12E
S16 S15	S21 S22

1938

from which

A pinyon, 10 ins. diam., bears N. 72 $\frac{1}{2}$ ° E., 120 lks. dist., marked T10N R12E S15 BT.

A pinyon, 8 ins. diam., bears S. 12 $\frac{1}{2}$ ° E., 173 lks. dist., marked T10N R12E S22 BT.

A juniper, 30 ins. diam., bears S. 15 $\frac{1}{2}$ ° W., 117 lks. dist., marked T10N R12E S21 BT.

No other bearing tree available.

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

Survey: Subdivision lines: T. 10 N., R. 12 E.

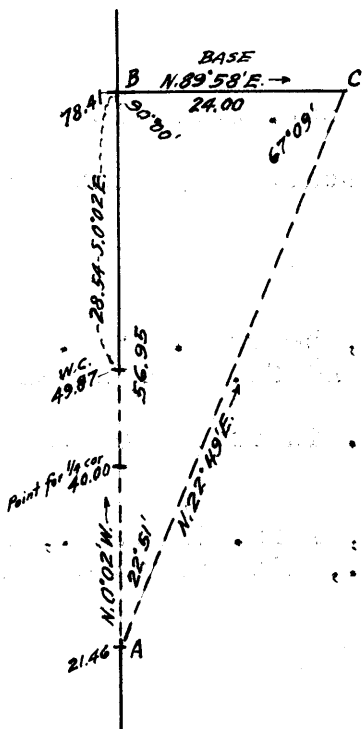
BOOK 4227

71

Chains	S. 89° 50' E., on random line, bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line 9 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence
	N. 89° 54' W., on true line, bet. secs. 15 and 22. Over mountainous land, thru scattering timber and dense undergrowth. Asc. 50 ft. over SE. slope.
2.60	Spur, slopes N. 5° E. Trail, bears N. 5° E. and S. 5° W. along top of spur. Desc. 548 ft. over W. slope.
27.80	Wash, 30 lks. wide, course N. in bottom of canyon. Asc. 279 ft. over E. slope to
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 15}{S\ 22}$
	1938 from which
	A pinyon, 6 ins. diam., bears S. 70° W., 31 lks. dist., marked $\frac{1}{4}$ S22 BT.
	A live oak, 6 ins. diam., bears N. 66° W., 6 lks. dist., marked $\frac{1}{4}$ S15 BT.
	Asc. slightly over E. slope.
40.33	Long spur, slopes N. 10° W. Desc. 298 ft. over W. and SW. slopes.
54.25	Bottom of canyon, 10 lks. wide, course NW. Asc. 305 ft. over NE. slope.
65.59	Point of spur, slopes N. Desc. 71 ft. over NW. slope.
72.31	Bottom of gulch, 5 lks. wide, course N. Asc. 114 ft. over E. slope to
80.06	The cor. of secs. 15, 16, 21 and 22. Land, mountainous. Soil, gravelly and rocky, clay, 4th rate. Timber, oak, juniper and pinyon. Undergrowth, oakbrush, manzanita and locust.
	N. 0° 02' W., bet. secs. 15 and 16. Over mountainous land, thru scattering timber and undergrowth. Desc. 15 ft. over E. slope.
5.00	Spur, slopes NE., near point of same. Desc. 155 ft. over NW. slope to
21.46	Top of cliffs, bearing NW. and SE., facing NE. and forming S. rim of Tonto Creek Canyon. Chaining is impracticable

Chains

beyond this point owing to precipitous descent of about 500 ft. over cliffs to bottom of canyon, therefore triangulate measurement of the sec. line across Tonto Creek Canyon as follows:



Designate 21.46 ch. station on sec. line as triangulation point "A".

Set flag "B" ahead on sec. line on top of a high spur on N. side of Tonto Creek Canyon, the vertical angle to which is $+9\frac{3}{4}^\circ$.

Vertical angle from "A" to bottom of canyon is -21° .

From "B" double chain a base N. $89^\circ 58'$ E. to point "C" which bears N. $22^\circ 49'$ E. from "A".

Mean of the two measurements of the base "B-C" is 24.00 chs.

Included angles of the triangle "A-B-C" are: $22^\circ 51'$, $90^\circ 00'$, and $67^\circ 09'$, the sum of which is $180^\circ 00'$.

Chained dist. on sec. line to "A" = 21.46 chs. N. $0^\circ 02'$ W.
 Triangulated dist "A" to "B" = 56.95 chs. N. $0^\circ 02'$ W.
 Total dist., sec. cor. to "B" = 78.41 chs. N. $0^\circ 02'$ W.

40.00 True point for $\frac{1}{4}$ sec. cor. is on NE. face of cliff on S. side of Tonto Creek Canyon, where it is inaccessible and cannot be monumented, therefore establish witness cor. on line at 9.87 chs. N. $0^\circ 02'$ W. as hereinafter described.

47.00 (Approx.) Tonto Creek, 50 lks. wide, in bend of bottom of canyon, course S. 44° W., from S. $23\frac{1}{2}^\circ$ E. Contains a stream of water, 30 lks. wide, 6 ins. deep. At this point is the mouth of a side canyon from N. 5° E. which heads about 40 chs. NE. Ascend about 200 ft. over cliff bearing NE. and SW. facing SE. From triangulation point "B" chain return measurement S. $0^\circ 02'$ E., 28.54 chs. to

49.87 Top of cliff, bearing NE. and SW., facing SE. This being the nearest accessible and suitable point on sec. line, Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

S16 | S15

W C

1938

from which

A pinyon, 12 ins. diam., bears N. $62\frac{1}{2}^\circ$ E., 51 lks. dist., marked WC $\frac{1}{4}$ S15 BT.

A juniper, 15 ins. diam., bears N. 55° W., 60 lks. dist., marked WC $\frac{1}{4}$ S16 BT.

Thence N. $0^\circ 02'$ W., bet. secs. 15 and 16, continuing

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

73

Chains

measurement from sec. cor. by chaining.

Asc. 950 ft. over precipitous broken SE. slope.

78.41 Triangulation point "B" on high spur, sloping S. 26° W.
Desc. 17 ft. over NW. slope to80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
the ground to bedrock, and in a mound of stone to top,
for cor. of secs. 9, 10, 15 and 16, with brass cap
marked

T10N	R12E
S9	S10
S16	S15

1938

from which

A pinyon, 6 ins. diam., bears N. 68½° E., 85 lks.
dist., marked T10N R12E S10 BT.A pinyon, 8 ins. diam., bears S. 16½° E., 89 lks.
dist., marked T10N R12E S15 BT.A pinyon, 4 ins. diam., bears S. 22° W., 3 lks.
dist., marked T10N R12E S16 BT.A pinyon, 6 ins. diam., bears N. 20¼° W., 115 lks.
dist., marked T10N R12E S9 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon, oak and juniper.

Undergrowth, oakbrush and manzanita.

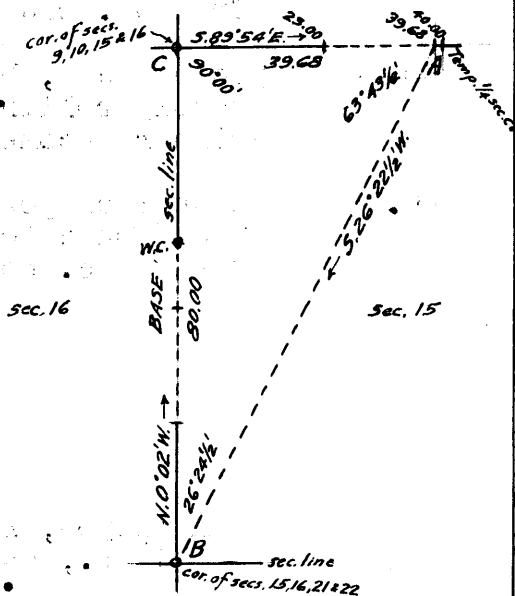
S. 89° 54' E., on random line, bet. secs. 10 and 15.

23.00 Discontinue chaining at this point owing to cliffs ahead.
Triangulate measurement of the random sec. line across
the cliffs as follows:Set flag "A" ahead on line and
flag "B" on the cor. of secs.
15, 16, 21 and 22, which is
visible from "A" and bears
S. 26° 22½' W.Designate the cor. of secs.
9, 10, 15 and 16 as point
"C" of this triangulation.The base "B-C" is the sec.
line bet. secs. 15 and 16,
N. 0° 02' W., 80.00 chs.
Included angles of the
triangle "A-B-C" are: 63°
43½', 26° 24½' and 89° 52'
the sum of which is 180° 00'.

Triangulated dist. "C" to "A" = 39.68 chs. S. 89° 54' E.

39.68 Triangulation point "A". Resume chaining and continue
line and measurement.

40.00 Set temp. ¼ sec. cor.

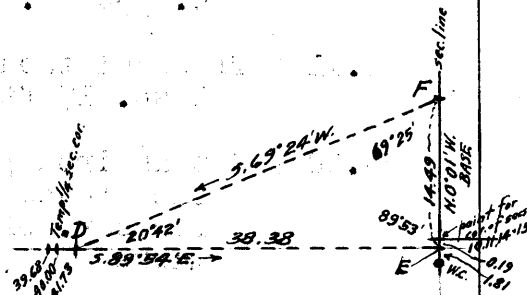
41.73 Discontinue chaining at this point, owing to precipitous
broken slopes, sliderock and cliffs ahead. Triangulate

Chains

measurement of remainder of random sec. line as follows:

Designate 41.73 ch. station on random line as triangulation point "D" and set flag.

Set flag "E" ahead at terminus of random line at 1.81 chs. N. 0° 01' W. from wit. cor. to cor. of secs. 10, 11, 14 and 15, or 19 lks. S. 0° 01' E., from the true point for said sec. cor.



The vertical angle "D" to "E" is - 23½°.

From point "E" chain a base N. 0° 01' W., 14.49 chs. to point "F" on sec. line bet. secs. 10 and 11, from which the flag "D" bears S. 69° 24' W.

Included angles of the triangle "D-E-F" are: 20°42', 89°53', and 69°25', the sum of which is 180° 00'.

Dist. on random line to "D" = 41.73 chs. S. 89°54' E.
 Triangulated dist. "D" to "E" = 38.38 chs. S. 89°54' E.
 Total length of random line = 80.11 chs. S. 89°54' E.

80.11 Intersect N. and S. line 19 lks. S. of the true point for cor. of secs. 10, 11, 14 and 15.

Thence

S. 89° 58' W., on true line, bet. secs. 10 and 15.

Over mountainous land, thru scattering timber and undergrowth.

Measurement by triangulation hereinbefore described.

Ascend about 1100 ft. over precipitous N. and NE. slopes from SE. end of Apache Ridge, over cliffs and sliderock.

38.40 Apache Ridge, bears N. 70° W. and S. 85° E. Thence over gently rolling top of ridge, chaining measurement. Timber becomes dense.

40.05 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S 10}{S 15}$$

1938

from which

A pinyon, 4 ins. diam., bears N. 75° E., 33 lks. dist., marked ¼ S10 BT.

A pinyon, 10 ins. diam., bears S. 41½° E., 74 lks. dist.; marked ¼ S15 BT:

Continue across top of Apache Ridge.

40.43 Leave top of ridge. Discontinue chaining. Measurement by triangulation. Desc. 154 ft. over cliffs facing S.

57.11 Resume chaining. Asc. 20 ft. over SE. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4207

75

Chains	
59.40	Spur, slopes S. Desc. 392 ft. over steep SW. slope, broken by a series of small cliffs.
72.22	Head of canyon, course S. Asc. 105 ft. over SE. slope.
79.33	Spur, slopes S. 26° W. Desc. 13 ft. over W. slope to
80.11	The cor. of secs. 9, 10, 15 and 16.
	<p>Land, mountainous and broken. Soil, rocky, 4th rate. Timber, pinyon, juniper and oak. Undergrowth, oakbrush and manzanita.</p>
	N. 0° 02' W., bet. secs. 9 and 10.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 135 ft. over steep broken W. slope to
16.63	Head of canyon, course SW. Asc. 195 ft. over SW. slope.
27.42	Apache Ridge, bears NW. and SE. Desc. 75 ft. over NE. slope.
32.30	Head of gulch, course SE. Asc. 61 ft. over SE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S9 S10
	1938
	from which
	A pinyon, 6 ins. diam., bears S. 28 $\frac{1}{4}$ ° E., 7 lks. dist., marked $\frac{1}{4}$ S10 BT.
	A pinyon, 6 ins. diam., bears S. 63 $\frac{1}{2}$ ° W., 26 lks. dist., marked $\frac{1}{4}$ S9 BT.
	Asc. 50 ft. over SE. slope.
47.00	Desc. 65 ft. over NE. slope.
56.30	Head of gulch, course SE. Asc. 114 ft. over SE. slope.
60.83	Spur, slopes SE. Desc. 70 ft. over NE. slope.
66.36	Head of gulch, course SE. Asc. 65 ft. over SW. slope.
70.00	Hell's Gate Ridge, bearing NW. and SE., sloping SE. Hell's Gate trail, same bearing, along top of ridge. Desc. 29 ft. over NE. slope.
75.00	Asc. 27 ft. over SE. slope.
77.57	Desc. 25 ft. over NE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 3, 4, 9 and 10, with brass cap marked

Chains	T10N R12E S4 S3 S9 S10
	1938
	from which
	A pinyon, 5 ins. diam., bears N. $66\frac{1}{4}^\circ$ E., 50 lks. dist., marked T10N R12E S3 BT.
	A pinyon, 11 ins. diam., bears S. 41° E., 58 lks. dist., marked T10N R12E S10 BT.
	A pinyon, 6 ins. diam., bears S. 71° W., 10 lks. dist., marked T10N R12E S9 BT.
	A pinyon, 7 ins. diam., bears N. $32\frac{3}{4}^\circ$ W., 38 lks. dist., marked T10N R12E S4 BT.
	Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon, juniper and oak. Undergrowth, oakbrush.
	N. $89^\circ 58'$ E., on random line, bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 23 lks. N. of the cor. of secs. 2, 3, 10 and 11.
	Thence
	N. $89^\circ 52'$ W., on true line, bet. secs. 3 and 10.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 159 ft. over SW. slope.
8.38	Bottom of canyon, course S: from N. 10° W; Asc. 92 ft. over SE. slope.
17.20	Desc. 105 ft. over S: and SW. slopes.
25.37	Bottom of canyon, course SE. Asc. 321 ft. over NE. slope.
36.40	Spur, slopes SE. Asc. gradually over S. slope to
39.95	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S 3 S 10
	1938
	from which
	A pinyon, 6 ins. diam., bears S. 57° E., 155 lks. dist., marked $\frac{1}{4}$ S10 BT.
	A juniper, 8 ins. diam., bears N. $17\frac{1}{2}^\circ$ W., 48 lks. dist., marked $\frac{1}{4}$ S3 BT.
	Asc. 85 ft. over S. slope.
45.09	Head of gulch course SE. Asc. 255 ft. over NE. slope.
60.30	Spur, slopes SE. Asc. 35 ft. over S. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

77

Chains	
68.00	Desc. 71 ft. over SW. slope.
74.90	Bottom of gulch 10 lks. wide, course SE. Asc. 126 ft. over steep NE. slope to
79.90	The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, manzanita and oakbrush.
	N. 0° 02' W., on random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.81	Intersect N. bdy. of the Tp. 26 lks. W. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described. Thence S. 0° 09' W., on true line, bet. secs. 3 and 4. Over mountainous land thru medium timber and undergrowth. Asc. 335 ft. over steep NE. slope.
13.65	Spur slopes SE. Desc. 212 ft. over SW. slope.
35.67	Bottom of canyon, 10 lks. wide, course SE. Asc. 116 ft. over NE. slope to
39.81	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S4 S3 1938 from which A pinyon, 10 ins. diam., bears S. 73° E., 35 lks. dist., marked $\frac{1}{4}$ S3 BT. A pinyon, 10 ins. diam., bears N. 67° W., 81 lks. dist., marked $\frac{1}{4}$ S4 BT. Asc. 93 ft. over NE. slope.
44.02	Ridge, bears NW. and SE. Desc. 313 ft. over SW. slope.
54.58	Bottom of canyon, course SE. Asc. 328 ft. over NE. slope.
64.55	Spur, slopes SE. Desc. 224 ft. over SW. slope.
75.21	Bottom of gulch, 10 lks. wide, course SE. Asc. 89 ft. over NE. slope to
79.81	The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon, juniper and oak. Undergrowth, oakbrush.

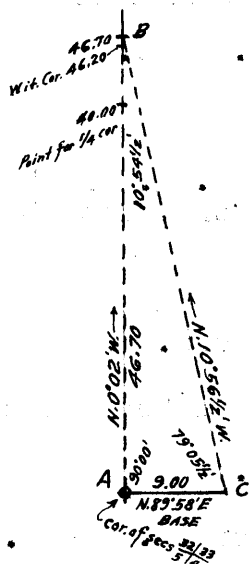
Chains

From cor. of secs. 4, 5, 32 and 33 on S. bdy. of the Tp., established under this group as described in field notes of survey of T. 9 N., R. 12 E.,

N. 0° 02' W., bet. secs. 32 and 33.

Over mountainous land, thru scattering timber and dense undergrowth.

Descend about 500 ft. over precipitous NW. slope and cliffs to bottom of canyon.



Chaining is impracticable therefore triangulate measurement of the sec. line as follows:

Designate the cor. of secs. 4; 5, 32 and 33 as point "A".

Set flag "B" ahead on sec. line in bottom of canyon.

From point "A" chain a base N. 89° 58' E., 9.00 chs. to point "C" from which the flag "B" bears N. 10° 56½' W.

Included angles of triangle "A-B-C" are: 90° 00', 10° 54½', and 79° 05½', the sum of which is 180° 00'.

Triangulated dist. on sec. line "A" to "B" = 46.70 chs.

40.00 True point for ¼ sec. cor. is on NW. face of cliff, where it is inaccessible and cannot be monumented; therefore establish witness cor. on line at the nearest accessible point. From triangulation point "B" chain return measurement S. 0° 02' E., 50 lks. to

46.20 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for witness cor. to ¼ sec. cor., with brass cap marked

S32 | S33

WC

1938

from which

A hackberry, 10 ins. diam., bears N. 32½° E., 32 lks. dist., marked WC¼ S33 BT.

A juniper, 12 ins. diam., bears S. 54° W., 18 lks. dist., marked WC¼ S32 BT.

This witness cor. is at base of cliff, bearing NE. and SW. facing NW.

Thence

N. 0° 02' W., bet. secs. 32 and 33, continuing measurement from sec. cor.

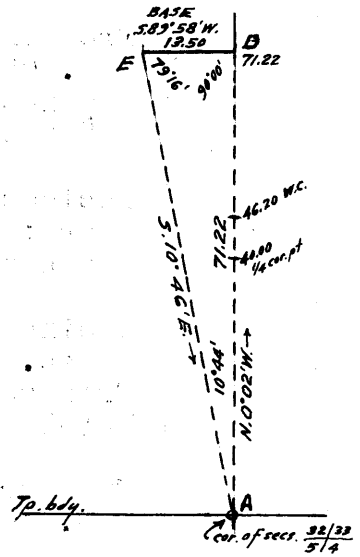
Desc. 10 ft. over NW. slope to

46.70 Bottom of canyon, 10 lks. wide, course SW. Contains shallow pools of water at intervals. Ascend about 800 ft. over precipitous broken SE. slope and cliffs.

Chains

Chaining is impracticable, therefore triangulate measurement of the sec. line northerly from this point as follows:

From the cor. of secs. 4, 5, 32 and 33 (triang. point "A" of the triangulation described above) line in a flag "D" N. 0° 02' W., on top of spur at N. rim of the canyon.



From "D" chain a base S. 89° 58' W., 13.50 chs. to point "E" from which a flag "A" on the cor. of secs. 4, 5, 32 and 33 bears S. 10° 46' E.

Included angles of the triangle "A-D-E" are: 10° 44', 90° 00' and 79° 16', the sum of which is 180° 00'.

Triangulated dist. on sec. line "A" to "E" = 71.22 chs. N. 0° 02' W.

71.22 Spur, slopes E. at N. rim of canyon. Begin chaining and continue line and measurement. Desc. 123 ft. over NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 28, 29, 32 and 33, with brass cap marked

T10N	R12E
S29	S28
S32	S33

1938

from which

A juniper, 10 ins. diam., bears N. 40° E., 26 lks. dist., marked T10N R12E S28 BT.

A pinyon, 5 ins. diam., bears S. 58° E., 78 lks. dist., marked T10N R12E S33 BT.

A pinyon, 8 ins. diam., bears S. 75° W., 53 lks. dist., marked T10N R12E S32 BT.

A pinyon, 8 ins. diam., bears N. 74½° W., 117 lks. dist., marked T10N R12E S29 BT.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, pinyon, oak and juniper. Sycamore and hackberry, along bottom of canyon.
Undergrowth, oakbrush and manzanita.

S. 89° 58' E., on random line, bet. secs. 28 and 33.

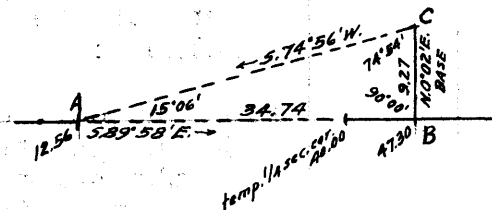
12.56. Discontinue chaining, owing to precipitous broken slopes in a canyon crossing the line beyond this point. Triangulate measurement of the random sec. line across the canyon as follows:

Set flag "A" at 12.56 ch. station on random line, and

Chains

a flag "B" ahead on line on top of spur on opposite side of canyon.

From flag "B" chain a base N. 0° 02' E., 9.27 chs. to point "C" from which flag "A" bears S. 74° 56' W.



Included angles of triangle "A-B-C" are: 15° 06', 90° 00' and 74° 54', the sum of which is 180° 00'.

Chained dist. on random line, = 12.56 chs. S. 89° 58' E. sec. cor. to "A"

Triangulated dist. "A" to "B" = 34.74 chs. S. 89° 58' E.
Total dist. sec. cor. to "B" = 47.30 chs. S. 89° 58' E.

From triangulation point "B" chain return measurement N. 89° 58' W., 7.30 chs. to

40.00 Set temp. 1/4 sec. cor.

Thence S. 89° 58' E., on random line, bet. secs. 28 and 33 continuing measurement from sec. cor.

79.90 Intersect N. and S. line 7 lks. S. of the cor. of secs. 27, 28, 33 and 34.

Thence

S. 89° 59' W., on true line, bet. secs. 28 and 33.

Over mountainous land, thru scattering timber and dense undergrowth.

Desc. 210 ft. over SW. slope.

6.02 Trail, bears N. 21° W. and S. 21° E.

7.62 Wash, 40 lks. wide, course S. 10° E., in bottom of canyon. Asc. 257 ft. over E. slope.

18.00 Spur, slopes SE. Desc. 295 ft. over SW. slope.

28.46 Bottom of gulch, course S. Asc. 48 ft. over SE. slope.

32.60 Spur, slopes S. Desc. 239 ft. over SW. slope to

39.95 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass-cap marked

1/4 S 28
S 33

1938

from which

A pinyon, 5 ins. diam., bears N. 9 1/2° E., 76 lks. dist., marked 1/4 S28 BT.

A pinyon, 6 ins. diam., bears S. 8° W., 7 lks. dist., marked 1/4 S33 BT.

Discontinue chaining. Measurement by triangulation hereinbefore described.

Desc. about 260 ft. over broken SW. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

81

Chains	
59.00	(Approx.) Bottom of canyon, course SE. Asc. about 250 ft. over steep broken E. slope to
67.34	Resume chaining, and continue line and measurement. Asc. 159 ft. over E. slope.
73.07	Spur, slopes NE., near point of same. Asc. 18 ft. over N. slope.
75.05	Desc. 17 ft. over NW. slope.
76.27	Head of gulch, course NE. Asc. 63 ft. over NE. slope to
79.90	The cor. of secs. 28, 29, 32 and 33.
	Land, mountainous and broken. Soil, rocky, 4th rate. Timber, pinyon, oak and juniper. Undergrowth, oakbrush and manzanita.
	N. 0° 02' W., bet. secs. 28 and 29.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 28 ft. over NE. slope.
3.48	Head of gulch, course SE. Asc. 60 ft. over SE. and S. slopes.
9.16	Spur, slopes SE., near point of same. Asc. 25 ft. over E. slope.
11.02	Desc. 143 ft. over NE. slope.
18.30	Bottom of gulch, course SE., near head. Asc. 258 ft. over S. slope.
34.33	Ridge, bears NE. and SW. Timber and undergrowth becomes dense. Desc. 83 ft. over NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S29 S28
	1938
	from which
	A juniper, 6 ins. diam., bears S. 63° E., 29 lks. dist., marked $\frac{1}{4}$ S28 BT.
	A pinyon, 5 ins. diam., bears N. 78° W., 43 lks. dist., marked $\frac{1}{4}$ S29 BT.
	Desc. 300 ft. over NW. slope.
65.02	Bottom of gulch, course NE. Asc. 20 ft. over SE. slope.
70.91	Point of spur, slopes NE. Desc. 72 ft. over NE. slope.
77.62	Wash, 15 lks. wide, course S. 80° W., from SE. at about 3 chs. E. and turning to NW. at about 5 chs. W. of this point. Asc. 20 ft. over SE. slope to sec. cor.

BOOK 4227

Survey: Subdivision lines: T. 10 N., R. 12 E.

82

Chains

- 78.73 Lower Corral trail, bears N. 81° W. and S. 81° E. .
- 78.90 Lower Corral bears West 150 lks. dist.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, and in a mound of stone to top, for cor. of secs. 20, 21, 28 and 29, with brass cap marked .

T10N	R12E
S20	S21
S29	S28

1938

from which

An oak, 6 ins. diam., bears N. 79½° E., 78 lks. dist., marked T10N R12E S21 BT.

An oak, 10 ins. diam., bears S. 55¼° E., 236 lks. dist., marked T10N R12E S28 BT.

An oak, 11 ins. diam., bears S. 46½° W., 190 lks. dist., marked T10N R12E S29 BT.

A juniper, 14 ins. diam., bears N. 69¾° W., 104 lks. dist., marked T10N R12E S20 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon, oak and juniper.

Undergrowth, oakbrush.

- 40.00 N. 89° 59' E., on random line, bet. secs. 21 and 28.
Set temp. ¼ sec. cor.
- 79.91 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 21, 22, 27 and 28.
- Thence
- N. 89° 51' W., on true line, bet. secs. 21 and 28. .
- Over mountainous land, thru dense timber and undergrowth.
- Desc. 310 ft. over NW. slope.
- 25.04 Bottom of canyon, 10 lks. wide, course NW. Mouth of gulch from E. bears NW. about 3 chs. dist. Asc. 135 ft. over NE. slope to
- 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

¼	S 21
	S 28

1938

from which

An oak, 7 ins. diam., bears South, 71 lks. dist., marked ¼ S28 BT.

An oak, 9 ins. diam., bears N. 27° W., 117 lks. dist., marked ¼ S21 BT.

Asc. 30 ft. over NE. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

Chains																						
44.60	Spur, slopes NW. Desc. 259 ft. over SW. slope. Timber becomes scattering.																					
76.18	Bottom of short ravine, course SW. Asc. 15 ft. over SE. slope to																					
79.91	The cor. of secs. 20, 21, 28 and 29. Land, mountainous. Soil, gravelly and rocky clay, 3rd and 4th rates. Timber, oak, pinyon and juniper. Undergrowth, oakbrush.																					
	N. 0° 02' W., bet. secs. 20 and 21																					
	Over mountainous land, thru scattering timber and undergrowth. Asc. 52 ft. over SE. slope.																					
4.94	Spur, slopes SW. Desc. 115 ft. over NW. slope. Timber becomes dense.																					
13.32	Wash, 10 lks. wide, course SW., in bottom of canyon. Asc. 354 ft. over SE. slope thru scattering timber.																					
33.90	Spur, slopes SW. Desc. 45 ft. over NW. slope to																					
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked																					
	<table border="0"> <tr> <td style="text-align: center;">.</td> <td style="text-align: center;">$\frac{1}{4}$</td> <td style="text-align: center;">.</td> </tr> <tr> <td style="text-align: center;">S20</td> <td style="text-align: center;"> </td> <td style="text-align: center;">S21</td> </tr> <tr> <td colspan="3" style="text-align: center;">1938</td> </tr> <tr> <td colspan="3" style="text-align: right;">from which</td> </tr> <tr> <td colspan="3">A juniper, 5 ins. diam., bears S. $11\frac{1}{4}^\circ$ E., 67 lks. dist., marked $\frac{1}{4}$ S21 BT.</td> </tr> <tr> <td colspan="3">A juniper, 7 ins. diam., bears N. $82\frac{1}{2}^\circ$ W., 224 lks. dist., marked $\frac{1}{4}$ S20 BT.</td> </tr> <tr> <td colspan="3">Desc. 109 ft. over NW. slope.</td> </tr> </table>	.	$\frac{1}{4}$.	S20		S21	1938			from which			A juniper, 5 ins. diam., bears S. $11\frac{1}{4}^\circ$ E., 67 lks. dist., marked $\frac{1}{4}$ S21 BT.			A juniper, 7 ins. diam., bears N. $82\frac{1}{2}^\circ$ W., 224 lks. dist., marked $\frac{1}{4}$ S20 BT.			Desc. 109 ft. over NW. slope.		
.	$\frac{1}{4}$.																				
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Desc. 109 ft. over NW. slope.																						
50.66	Bottom of gulch, course SW. near head. Asc. 306 ft. over SE. slope.																					
66.08	Ridge, bears NE. and SW. Enter dense timber. Desc. 26 ft. over NW. slope.																					
72.57	Asc. 44 ft. over steep W. slope to																					
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, and in a mound of stone to top, for cor. of secs. 16, 17, 20 and 21, with brass cap marked																					
	<table border="0"> <tr> <td style="text-align: center;">T10N</td> <td style="text-align: center;">R12E</td> </tr> <tr> <td style="text-align: center;">S17</td> <td style="text-align: center;"> </td> <td style="text-align: center;">S16</td> </tr> <tr> <td style="text-align: center;">S20</td> <td style="text-align: center;"> </td> <td style="text-align: center;">S21</td> </tr> <tr> <td colspan="3" style="text-align: center;">1938</td> </tr> <tr> <td colspan="3" style="text-align: right;">from which</td> </tr> </table>	T10N	R12E	S17		S16	S20		S21	1938			from which									
T10N	R12E																					
S17		S16																				
S20		S21																				
1938																						
from which																						

Chains	
	<p>A juniper, 10 ins. diam., bears N. $6\frac{1}{2}^{\circ}$ E., 86 lks. dist., marked T10N R12E S16 BT.</p> <p>A pinyon, 8 ins. diam., bears S. $12\frac{1}{4}^{\circ}$ E., 123 lks. dist., marked T10N R12E S21 BT.</p> <p>A pinyon, 8 ins. diam., bears S. 31° W., 51 lks. dist., marked T10N R12E S20 BT.</p> <p>An oak, 4 ins. diam., bears N. $8\frac{1}{2}^{\circ}$ W., 27 lks. dist., marked T10N R12E S17 BT.</p> <p>Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rates. Timber, pinyon, oak and juniper. Undergrowth, oakbrush.</p>
	<p>S. $89^{\circ} 51'$ E., on random line, bet. secs. 16 and 21.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 15, 16, 21 and 22.
	Thence
	N. $89^{\circ} 59'$ W., on true line, bet. secs. 16 and 21.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 56 ft. over E. slope.
5.40	Spur, slopes NE. from SE. Enter dense timber. Desc. 390 ft. over steep broken NW. slope and cliffs.
23.22	Bottom of canyon, 10 lks. wide, course N. Asc. 265 ft. over E. slope.
32.00	Spur, slopes NE. near point of same. Desc. 33 ft. over NW. slope.
38.47	Head of gulch, course NE. Asc. 10 ft. over E. slope to
39.96	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{S 16}{S 21}$
	.1938
	from which
	<p>A pinyon, 10 ins. diam., bears S. $14\frac{1}{2}^{\circ}$ E., 102 lks. dist., marked $\frac{1}{4}$ S21 BT.</p> <p>A pinyon, 8 ins. diam., bears N. $11\frac{1}{2}^{\circ}$ W., 23 lks. dist., marked $\frac{1}{4}$ S16 BT.</p> <p>Asc. 700 ft. over broken E. slope.</p>
73.84	Ridge, bears N. and S. Desc. 115 ft. over W. slope to
79.92	The cor. of secs. 16, 17, 20 and 21.
	<p>Land, mountainous and broken. Soil, rocky, 4th rate. Timber, pinyon, oak and juniper.</p>

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227 85

Chains

Undergrowth, oakbrush and manzanita.

N. 0° 02' W., bet. secs. 16 and 17

Over mountainous land, thru dense timber and scattering undergrowth.

Desc. 20 ft. over W. slope.

6.60 Desc. 216 ft. over NW. slope.

16.18 Head of gulch, course W. Asc. 72 ft. over SW. slope.

26.61 Spur, slopes NW. Desc. 56 ft. over broken NE. slope to S. rim of Tonto Creek Canyon.

27.97 Triangulation point. Continue chaining to

30.06 S. rim of Tonto Creek Canyon, bears E. and W. Chaining beyond this point is impracticable, owing to cliffs and precipitous slopes in the canyon. The point for $\frac{1}{4}$ sec. cor. is inaccessible, and the 30.06 ch. station on sec. line is the nearest accessible point, therefore at such station,
Set an iron post, 3 ft. long, 1 in. in diam., over a cross (X) chiseled on exposed bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
W C
S17 | S16
1938

No bearing trees available.

Desc. about 450 ft. to bottom of canyon, over a series of cliffs facing N.

40.00 True point for $\frac{1}{4}$ sec. cor. on face of cliff where it cannot be monumented, therefore witness cor. is established on sec. line at 9.94 chs. S. 0° 02' E. as described above.

45.00 (Approx.) Tonto Creek, 50 lks. wide, containing a stream of water, 30 lks. wide, course W. in bottom of canyon.

To obtain measurement of the sec. line across Tonto Creek Canyon triangulate as follows:

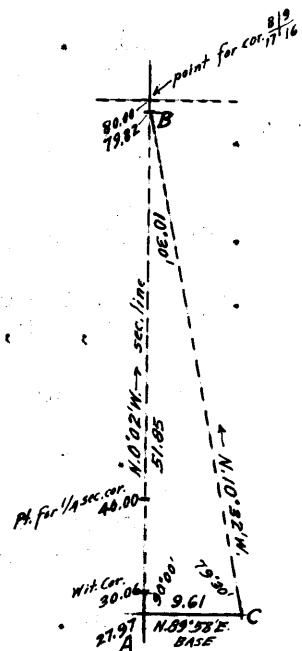
Designate 27.97 ch. station on sec. line as triangulation point "A".

Set flag "B" ahead on sec. line at approx. point for cor. of secs. 8, 9, 16 and 17.

From triang. point "A" double chain a base N. 89° 58' E. to point "C" from which flag "B" bears N. 10° 32' W.

Mean of the two measurements of the base "B-C" is 9.61 chs.

It is impracticable to chain a longer base for this triangulation.



Chains

Included angles of the triangle "A-B-C" are: $90^{\circ} 00'$, $10^{\circ} 30'$ and $79^{\circ} 30'$, the sum of which is $180^{\circ} 00'$.

Chained dist. on sec. line to "A" = 27.97 chs. N. $0^{\circ} 02' W$.

Triangulated dist. from "A" to "B" = 51.85 chs. N. $0^{\circ} 02' W$.

Total dist. sec. cor. to "B" = 79.82 chs. N. $0^{\circ} 02' W$.

79.82 Triangulation point "B" about 875 ft. above bottom of Tonto Creek Canyon.

Resume chaining and continue line and measurement.

Asc. 5 ft. over steep SE. slope and sliderock to .

80.00 True point for cor. of secs. 8, 9, 16 and 17, falls in slide rock, where it is impracticable to monument the cor., therefore establish witness cor. at 1.60 chs. N. $0^{\circ} 02' W$. as hereinafter described.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon, fir and juniper. Sycamore along Tonte Creek.

Undergrowth, oakbrush and manzanita.

From true point for cor. of secs. 8, 9, 16 and 17.

S. $89^{\circ} 59' E$., on random line, bet. secs. 9 and 16.

Chaining is impracticable as approximately the west half of this sec. line is in a canyon, the sides of which are broken by a series of cliffs, therefore triangulate measurement of the random line as follows:

Set flag "A" at the true point for cor. of secs. 8, 9, 16 and 17.

Set flag "B" ahead on random sec. line, on top of spur, on opposite side of canyon.

From "B" double chain a base N. $0^{\circ} 01' E$. to point "C" from which the flag "A" bears S. $78^{\circ} 15' W$.

Mean of the two measurements of the base "B-C" is 7.90 chs.

Included angles of the triangle "A-B-C" are: $11^{\circ} 46'$, $90^{\circ} 00'$ and $78^{\circ} 14'$, the sum of which is $180^{\circ} 00'$.

Dist. triangulated, sec. cor. point "A" to "B" = 37.93 chs. S. $89^{\circ} 59' E$.

37.93 Triangulation point "B". Begin chaining and continue line and measurement.

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

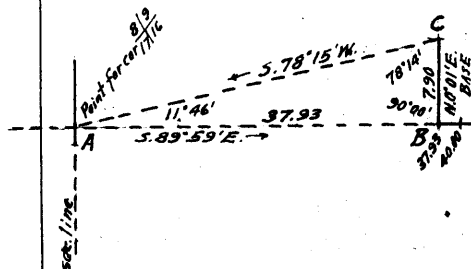
79.99 Intersect N. and S. line 3 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence

N. $89^{\circ} 58' W$., on true line, bet. secs. 9 and 16.

Over mountainous land, thru scattering timber and undergrowth.

Desc. 131 ft. over W. slope.



Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

87

Chains

5.02 Bottom of canyon, course SW. Asc. 185 ft. over SE. slope.

17.36 Spur, slopes SW. Desc. 552 ft. over steep broken W. slope.

35.60 Bottom of canyon, course SW. Asc. 63 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock; and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S 9}{S 16}$

1938

from which

A pinyon, 10 ins. diam., bears S. $44\frac{1}{2}^\circ$ E., 31 lks. dist., marked $\frac{1}{4}$ S16 BT.

A pinyon, 10 ins. diam., bears N. $56\frac{1}{4}^\circ$ W., 65 lks. dist., marked $\frac{1}{4}$ S9 BT.

Asc. 47 ft. over SE. slope.

42.06 Spur, slopes SW. Discontinue chaining. Measurement of remainder of line by triangulation, hereinbefore described.

Desc. about 250 ft. over W. slope broken by a series of cliffs.

60.00 (Approx.) Bottom of canyon, course S. from NE. Asc. about 350 ft. over steep broken SE. slope and cliffs to

79.99 The true point for cor. of secs. 8, 9, 16 and 17.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, pinyon and juniper.
Undergrowth, oakbrush and manzanita.

From true point for cor. of secs. 8, 9, 16 and 17.

N. $0^\circ 02'$ W., bet. secs. 8 and 9.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 36 ft. over slide rock on SE. slope.

1.60 Spur, slopes SW. Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to cor. of secs. 8, 9, 16 and 17, with brass cap marked

T10N R12E
S8 | S9
S17 | S16
WC

1938

from which

A pinyon, 6 ins. diam., bears N. $33\frac{1}{2}^\circ$ E., 158 lks. dist., marked WC T10N R12E S9 BT.

Chains	
	A pinyon, 9 ins. diam., bears N. $39\frac{1}{2}^{\circ}$ W., 128 lks. dist., marked WC T10N R12E S8 BT.
	Desc. 23 ft. over NW. slope.
5.58	Asc. 85 ft. over W. slope.
23.32	Wash, 10 lks. wide, course SW., in bottom of gulch, near head. Asc. 120 ft. over SW. slope.
29.72	Spur, slopes SW. Desc. 86 ft. over broken NW. slope.
37.06	Bottom of ravine, course SW. Asc. 20 ft. over S. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S8 S9
	1938
	from which
	A pinyon, 8 ins. diam., bears S. $62\frac{1}{2}^{\circ}$ E., 72 lks. dist., marked $\frac{1}{4}$ S9 BT.
	A pinyon, 12 ins. diam., bears N. 6° W., 93 lks. dist., marked $\frac{1}{4}$ S8 BT.
	Asc. 109 ft. over S. slope.
47.53	Spur, slopes SW. Thence across top of spur,
50.00	Leave top of spur. Desc. 306 ft. over NW. slope.
60.02	Wash, 15 lks. wide, course SW., in bottom of Goswick Canyon. Asc. 345 ft. over SE. slope.
76.50	Spur, slopes SW. from N.. Asc. gradually along top of spur to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 4, 5, 8 and 9, with brass cap marked
	T10N R12E
	S5 S4
	S8 S9
	1938
	from which
	A pinyon, 6 ins. diam., bears N. 57° E., 24 lks. dist., marked T10N R12E S4 BT.
	A juniper, 10 ins. diam., bears S. $25\frac{3}{4}^{\circ}$ E., 120 lks. dist., marked T10N R12E S9 BT.
	A pinyon, 6 ins. diam., bears S. $23\frac{1}{2}^{\circ}$ W., 162 lks. dist., marked T10N R12E S8 BT.
	A pinyon, 8 ins. diam., bears N. $17\frac{3}{4}^{\circ}$ W., 62 lks. dist., marked T10N R12E S5 BT.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, pinyon, oak and juniper. Sycamore along bottom of Goswick Canyon.
	Undergrowth, oakbrush and manzanita.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

89

Chains	
	S. 89° 58' E., on random line, bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 10 lks. S. of the cor. of secs. 3, 4, 9 and 10.
	Thence
	S. 89° 58' W., on true line, bet. secs. 4 and 9.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 148 ft. over NE. slope.
10.50	Desc. 54 ft. over NW. slope.
13.20	Head of gulch, course NE. Asc. 187 ft. over NE. slope.
19.17	Hell's Gate trail, bears N. 14 $\frac{1}{4}$ ° W. and S. 14 $\frac{1}{4}$ ° E.
19.77	Apache Ridge, bears NW. and SE. Desc. 304 ft. over SW. slope.
31.33	Head of canyon, course SW. Asc. 30 ft. over SE. slope.
36.25	Spur, slopes SW. Desc. 46 ft. over W. slope to
39.98	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \cdot \frac{S \ 4}{S \ 9}$
	1938
	from which
	A pinyon, 10 ins. diam., bears S. 42 $\frac{1}{4}$ ° E., 48 lks. dist., marked $\frac{1}{4}$ S9 BT.
	A pinyon, 10 ins. diam., bears N. 81° W., 121 lks. dist., marked $\frac{1}{4}$ S4 BT.
	Desc. 252 ft. over NW. slope.
47.94	Saddle and heads of two gulches, course NW. and S. Desc. 258 ft. over N. and NW. slopes!
64.25	Bottom of Goswick Canyon; wash 20 lks. wide, course SW. Asc. 223 ft. over SE. slope to
79.96	The cor. of secs. 4, 5, 8 and 9.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, pinyon, oak, juniper and hackberry.
	Undergrowth, oakbrush, manzanita and locust.
	N. 0° 02' W., on random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. hdy. of the Tp. 35 lks. W. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.
	Thence

Survey: Subdivision lines: T. 10 N., R. 12 E.

90

Chains	S. 0° 13' W., on true line, bet. secs. 4 and 5. Over mountainous land, on S. side of Goswick Canyon, thru medium timber and undergrowth. Asc. 261 ft. over steep N. slope.
7.46	Spur, slopes E. Desc. 300 ft. over SE. slope.
24.00	Head of gulch, course SE. Asc. 34 ft. over NE. slope.
30.37	Spur, slopes SE. Desc. 310 ft. over SW. slope to
39.90	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base. and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked
	4 S5 S4 1938
	No bearing trees available. Desc. 124 ft. over SW. slope.
46.09	Gulch, course SE.. Asc. 91 ft. over NE. slope.
50.88	Spur, slopes SE. Desc. 107 ft. over SW. slope.
59.62	Gulch, course SE. Asc. 54 ft. over NE. slope.
68.90	Spur, slopes S. from NW. Desc. 96 ft. along top of spur. to
79.90	The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon, oak, and juniper. Undergrowth, oakbrush and manzanita.
	From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of the Tp., established under this group, as described in field notes of survey of T. 9 N., R. 12 E. N. 0° 03' W., bet. secs. 31 and 32. Over mountainous land, thru dense timber and undergrowth. Desc. 393 ft. over NE. slope.
10.44	Draw, course E., entering Spring Creek about 1 ch. E. in bend in the creek, course N. 13° E. from N. 84° E. Asc. 168 ft. over SE. slope.
20.62	Desc. 210 ft. over NE. slope.
29.06	Spring Creek, 100 lks. wide, course N. 61 $\frac{3}{4}$ ° W., in bottom of canyon, and containing a stream of water 30 lks. wide, 8 ins. deep, Asc. 451 ft. over steep broken SE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. 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 marked

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

91

Chains

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

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

1938

from which

A pinyon, 18 ins. diam., bears N. 60° E., 102 lks. dist., marked $\frac{1}{4}$ S32 BT.

A juniper, 6 ins. diam., bears N. 72° W., 45 lks. dist., marked $\frac{1}{4}$ S31 BT.

Asc. 645 ft. over steep SE. slope, across a series of cliffs and sliderock.

59.00 Spur, slopes SW. Desc. 57 ft. over NW. slope.

63.96 Low saddle in spur sloping SW. Desc. 50 ft. over NW. and W. slopes.

76.63 Asc. 30 ft. over W. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 29, 30, 31 and 32, with brass cap marked

T10N	R12E
S30	S29
S31	S32

1938

from which

A white oak, 14 ins. diam., bears N. 24 $\frac{1}{2}$ ° E., 134 lks. dist., marked T10N R12E S29 BT.

A juniper, 6 ins. diam., bears S. 50 $\frac{3}{4}$ ° E., 101 lks. dist., marked T10N R12E S32 BT.

A pinyon, 12 ins. diam., bears S. 42 $\frac{3}{4}$ ° W., 110 lks. dist., marked T10N R12E S31 BT.

A live oak, 14 ins. diam., bears N. 14 $\frac{1}{4}$ ° W., 113 lks. dist., marked T10N R12E S30 BT.

Land, mountainous and broken.

Soil, rocky, 4th rate.

Timber, oak, juniper and pinyon.

Undergrowth, oakbrush.

S. 89° 58' E., on random line, bet. secs. 29 and 32.

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

80.25 Intersect N. and S. line 5 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence

N. 89° 56' W., on true line, bet. secs. 29 and 32.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 29 ft. over NE. slope.

4.95 Asc. 91 ft. over SE. slope.

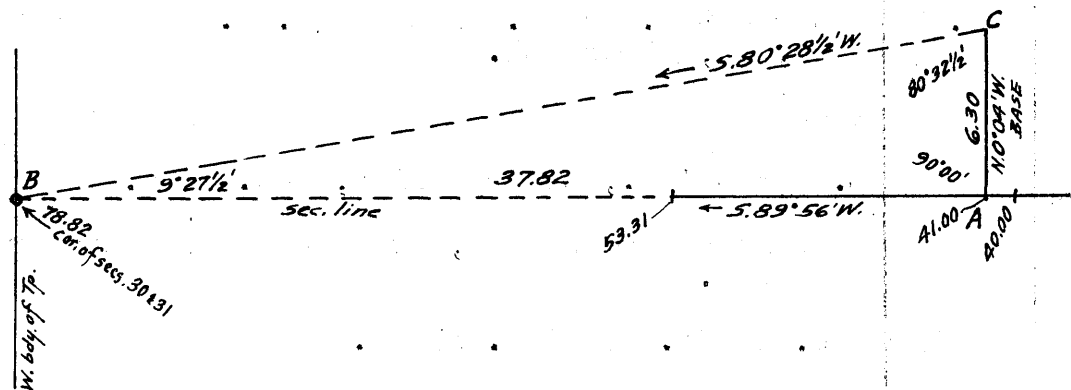
Chains

- 14.87 Spur, slopes S., near point of same. Desc. 186 ft. over SW. slope. Enter dense timber.
- 30.06 Bottom of ravine, course SE. Asc. 140 ft. over SE. slope to
- 40.12 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
 - $\frac{1}{4}$ $\frac{S\ 29}{S\ 32}$
 - 1938
 - from which
 - A pinyon, 5 ins. diam., bears S. $52\frac{1}{2}^\circ$ W., 29 lks. dist., marked $\frac{1}{4}$ S32 BT.
 - A pinyon, 5 ins. diam., bears N. 61° W., 18 lks. dist., marked $\frac{1}{4}$ S29 BT.
- Asc. 267 ft. over SE. slope.
- 63.14 Ridge, bears NE. and SW. Desc. 155 ft. over NW. slope to
- 74.97 Top of cliffs, about 40 ft. high, bearing NE. and SW., facing NW. Leave dense and enter scattering timber.
- 75.10 Foot of cliffs, bearing NE. and SW. Desc. 125 ft. over W. slope to
- 80.25 The cor. of secs. 29, 30, 31 and 32.

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

S. $89^\circ 56'$ W., on random line, bet. secs. 30 and 31, for distance only, as a flag on the objective sec. cor. on W. bdy. of Tp. is visible at such bearing.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 41.00 Triangulation point. Continue chaining.
- 53.31 E. rim of Tonto Creek Canyon, bears N. 12° E. and S. 12° W. Discontinue chaining at this point, as the remainder of the random sec. line is in the canyon, where cliffs and precipitous slopes render chaining impracticable. Vertical angle from 53.31 ch. station to Tonto Creek crossing on sec. line is -34° . Triangulate as follows:



Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 2227 93

Chains	<p>Designate 41.00 ch. station on random sec. line as "A" and flag on the cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp. as "B".</p> <p>From "A" double chain a base N. 0° 04' W. to point "C" from which the flag "B" on sec. cor. bears S. 80° 28½' W.</p> <p>Mean of the two measurements of base "A-C" is 6.30 chs.</p> <p>A longer base cannot be obtained for this triangulation.</p> <p>Included angles of the triangle "A-B-C" are: 90° 00', 9° 27½', and 80° 32½', the sum of which is 180° 00'.</p> <p>Chained dist. on random sec. line to "A" = 41.00 chs. S. 89° 56' W.</p> <p>Triangulated dist. "A" to "B" = 37.82 chs. S. 89° 56' W.</p> <p>Total length of random and true sec. lines = 78.82 chs. S. 89° 56' W.</p>
78.82	<p>Intersect the cor. of secs. 25, 30, 31 and 36 on the W. bdy. of the Tp., hereinbefore described.</p> <p>Thence</p> <p>N. 89° 56' E., in true line, bet. secs. 30 and 31.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Measurement across Tonto Creek Canyon as hereinbefore described.</p> <p>Desc. about 630 ft. over precipitous SE. slope, cliffs and sliderock to bottom of canyon.</p>
15.51	<p>(Approx.) Tonto Creek, about 70 lks. wide, course S. 12° W. in bottom of canyon, with stream of water 30 lks. wide, 8 ins. deep. Asc. about 450 ft. over cliffs facing W.</p>
25.51	<p>Top of cliffs and E. rim of Tonto Creek Canyon, bearing N. 12° E. and S. 12° W. Begin chaining and continue line and measurement. Asc. 138 ft. over W. slope to</p>
38.82	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground to bedrock, and in a small mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼ $\frac{S \ 30}{S \ 31}$</p> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A juniper, 6 ins. diam., bears S. 37° W., 294 lks. dist., marked ¼ S31 BT.</p> <p>A juniper, 6 ins. diam., bears N. 2½° W., 323 lks. dist., marked ¼ S30 BT.</p> <p>Asc. 592 ft. over W. slope to</p>
78.82	<p>The cor. of secs. 29, 30, 31 and 32.</p> <p>Land, mountainous and broken.</p> <p>Soil, gravelly and rocky clay, 3rd and 4th rates.</p> <p>Timber, oak and juniper.</p> <p>Undergrowth, oakbrush.</p>

94

Chains

N. $0^{\circ} 03'$ W., bet. secs. 29 and 30.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 424 ft. over broken, rocky, W. and SW. slopes.

21.70 Spur, slopes NW. Desc. 452 ft. over NW. slope to $\frac{1}{4}$ sec. cor.

37.70 Old trail, bears NW. and SE.

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

S30 | S29

1938

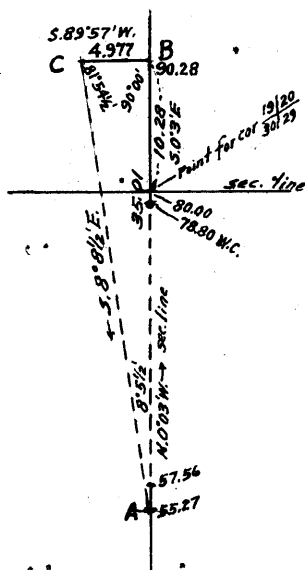
from which

A juniper, 8 ins. diam., bears East, 38 lks. dist., marked $\frac{1}{4}$ S29 BT.A juniper, 20 ins. diam., bears N. $86\frac{3}{4}^{\circ}$ W., 69 lks. dist., marked $\frac{1}{4}$ S30 BT.

Desc. 169 ft. over heavily rolling NW. slope to rim of canyon.

45.06 Old trail, bears NE. and SW.

55.27 Triangulation point. Continue chaining.

57.56 Rim of canyon, bears NE. and SW. Discontinue chaining owing to cliffs in canyon. Vertical angle from this point to bottom of canyon about 5 chs. N. is -32° . Triangulate measurement of the remainder of this sec. line as follows:

Designate 55.27 ch. station on sec. line as triangulation point "A".

Set flag "B" ahead on sec. line bet. secs. 19 and 20, the vertical angle to which is $+2^{\circ}$.From "B" double chain a base S. $89^{\circ} 57'$ W. to point "C" from which flag at point "A" bears S. $8^{\circ} 8\frac{1}{2}'$ E.

Mean of the two measurements of the base "B-C" is 4.977 chs.

A longer base cannot be obtained.

Included angles of the triangle "A-B-C" are: $8^{\circ} 5\frac{1}{2}'$, $90^{\circ} 00'$, and $81^{\circ} 54\frac{1}{2}'$, the sum of which is $180^{\circ} 00'$.

Chained dist. on sec. line bet. secs.

29 and 30 to "A"

= 55.27 chs. N. $0^{\circ} 03'$ W.

Triangulated dist. from "A" to "B"

= 35.01 chs. N. $0^{\circ} 03'$ W.

Total dist. cor. of secs. 29, 30, 31 and 32 to point "B"

= 90.28 chs. N. $0^{\circ} 03'$ W.

Return chaining from "B"

= 10.28 chs. S. $0^{\circ} 03'$ E.

Point for cor. of secs. 19, 20, 29 and 30

= 80.00 chs. N. $0^{\circ} 03'$ W.

Survey: Subdivision lines: T. 10 N., R. 12 E.

BOOK 4227

95

Chains

62.56

(Approx.) Wash, 10 lks. wide, in bend in bottom of canyon, course S. 72° W.; from N.; about 205 ft. below S. rim of canyon at 57.56 ch. station on sec. line. Thence along wash and bottom of canyon, ascending about 90 ft. to sec. cor. point.

From true point for cor. of secs. 19, 20, 29 and 30, determined as described above, chain measurement S. 0° 03' E., 1.20 chs. to

78.80

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to cor. of secs. 19, 20, 29 and 30, with brass cap marked

W C	
T10N	R12E
S19	S20
S30	S29

1938

from which

Pinyon, 14 ins. diam., bears N. 34 $\frac{1}{2}$ ° E., 99 lks. dist., marked WC T10N R12E S29 BT.

Pinyon, 6 ins. diam., bears S. 7 $\frac{1}{4}$ ° E., 21 lks. dist., marked WC T10N R12E S29 BT.

A juniper, 24 ins. diam., bears S. 36° W., 193 lks. dist., marked WC T10N R12E S30 BT.

A pinyon, 6 ins. diam., bears N. 28 $\frac{3}{4}$ ° W., 72 lks. dist., marked WC T10N R12E S30 BT.

A slight bend in the wash and bottom of the canyon makes the location of this witness cor. outside of and above the wash where its permanency is assured.

Thence

N. 0° 03' W., continuing line and measurement by chaining.

80.00

True point for cor. of secs. 19, 20, 29 and 30. This point is in wash, course S. in bottom of canyon, an unsafe place to monument the cor., therefore witness cor. is established on the sec. line at 120 lks. S. 0° 03' E. as described above.

Land, mountainous.

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

Timber, oak; pinyon and juniper.

Undergrowth, oakbrush.

From true point for cor. of secs. 19, 20, 29 and 30

S. 89° 56' E., on random line, bet. secs. 20 and 29.

40.00

Set temp. $\frac{1}{2}$ sec. cor.

80.20

Intersect N. and S. line 5 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence

N. 89° 58' W., on true line; bet. secs. 20 and 29.

Over mountainous land, thru dense timber and undergrowth.

Survey: Subdivision lines: T. 10 N., R. 12 E.

96

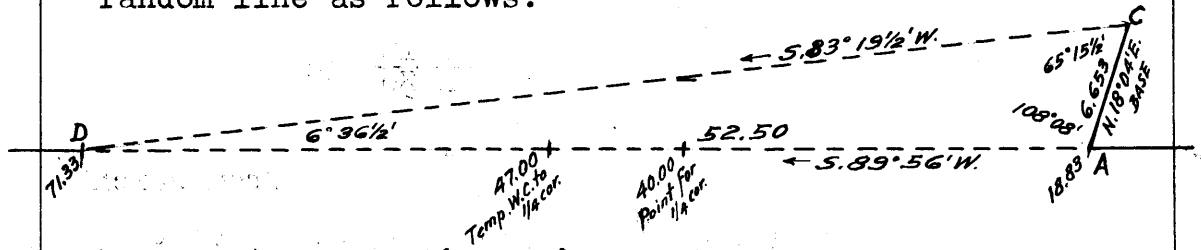
Chains	Desc.
	Desc. 34 ft. over SW. slope.
2.80	Lower Corral bears S. 60 lks. dist.
4.97	Wash, 30 lks. wide, course NW. Asc. 385 ft. over NE. slope.
28.74	Spur, slopes NE. Desc. 145 ft. over NW. slope to
40.10	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 20}{S\ 29}$ 1938 from which
	A pinyon, 7 ins. diam., bears N. $4\frac{1}{2}^{\circ}$ E., 17 lks. dist., marked $\frac{1}{4}$ S20 BT.
	A pinyon, 7 ins. diam., bears S. $15\frac{3}{4}^{\circ}$ W., 45 lks. dist., marked $\frac{1}{4}$ S29 BT.
	Desc. 405 ft. over NW. slope.
57.12	Bottom of canyon, course NE. Asc. 160 ft. over E. slope.
64.94	Spur, slopes NE., near point of same. Desc. 300 ft. over NW. slope to
80.20	True point for cor. of secs. 19, 20, 29 and 30, in wash and bottom of canyon, course S. (Wit. cor. 1.20 chs. S. $0^{\circ}\ 03'$ E.)
	Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon, oak and juniper. Undergrowth, oakbrush.
	From true point for cor. of secs. 19, 20, 29 and 30, S. $89^{\circ}\ 56'$ W., on random line, bet. secs. 19 and 30.
18.83	Discontinue chaining at this point, owing to precipitous descent over cliffs into Tonto Creek Canyon. Triangulate as follows:
	Designate 18.83 ch. station on random sec. line as triangulation point "A".
	Set flag "B" ahead on random sec. line about 5 chs. W. of Tonto Creek.
	Vertical angle "A" to "B" is $25\frac{1}{2}^{\circ}$.
	From "A" double chain a base N. $18^{\circ}\ 04'$ E. to point "C" from which flag "B" bears S. $78^{\circ}\ 07\frac{1}{2}'$ W.
	Mean of the two measurements of the base "A-C" is 6.653 chs. Owing to rough surface conditions a longer base cannot be chained.
	Included angles of the triangle "A-B-C" are: $108^{\circ}\ 08'$, $11^{\circ}\ 48\frac{1}{2}'$ and $60^{\circ}\ 03\frac{1}{2}'$, the sum of which is $180^{\circ}\ 00'$.

Chains

Chained dist. on random sec. line to "A" = 18.83 chs. S. 89° 56' W.
 Triangulated dist. "A" to "B" = 28.17 " " " " "
 Total dist. sec. cor. to "B" = 47.00 chs. S. 89° 56' W.

40.00 Point for temp. $\frac{1}{4}$ sec. cor. is inaccessible.

47.00 Triangulation point "B". Chaining on random sec. line in either direction from this point is impracticable, therefore set temp. witness cor. to $\frac{1}{4}$ sec. cor. and make another triangulation for continued measurement on random line as follows:



Set flag "D" ahead on random sec. line, on NE. side of Derrick Canyon about $3\frac{1}{2}$ chs. E. from bottom of same. This flag is lined in from triangulation point "A" of the triangulation executed from E. rim of Tonto Creek Canyon to the temp. point for witness cor. to $\frac{1}{4}$ sec. cor. (B) hereinbefore described, as flag "D" is not visible from point "B".

The vertical angle from "A" to "D" is $-8\frac{3}{4}^\circ$.

Use the base "A-C" (N. 18° 04' E., 6.653 chs.) used in the first triangulation on this random sec. line. No other suitable base can be obtained.

From point "C" of base the flag "D" bears S. 83° 19 $\frac{1}{2}$ ' W.

Included angles of the triangle "A-D-C" are: 108° 08'; 6° 36 $\frac{1}{2}$ ', and 65° 15 $\frac{1}{2}$ ', the sum of which is 180° 00'.

Chained dist. on random sec. line to "A" = 18.83 chs. S. 89° 56' W.
 Triangulated dist. "A" to "D" = 52.50 chs. " " " "
 Total dist. on random line to "D" = 71.33 chs. S. 89° 56' W.

71.33 Triangulation point "D". Resume chaining and continue line and measurement.

78.66 Intersect the W. bdy. of the Tp. 18 lks. N. of the true point for reestablished cor. of secs. 19 and 30, witnessed 50 lks. N. as hereinbefore described.

From true point for sec. cor.,

N. 89° 48' E., on true line, bet. secs. 19 and 30.

Over mountainous land, in Derrick Canyon, thru scattering timber and dense undergrowth.

Desc. 185 ft. over steep NE. slope.

3.77 Bottom of Derrick Canyon, 20 lks. wide, course SE. Joins Tonto Creek about 30 chs. SE. from this point. Asc. 95 ft. over steep SW. slope to

7.32 Discontinue chaining at this point owing to precipitous slopes and cliffs ahead. Measurement to witness cor. to $\frac{1}{4}$ sec. cor. by triangulation hereinbefore described. Asc. about 100 ft. over precipitous S. slope.

Chains	
25.00	(Approx.) Point of spur, sloping SE. Leave mouth of Derrick Canyon and enter Tonto Creek Canyon. Desc. about 350 ft. over precipitous SE. slope and cliffs to
31.66	On narrow ledge at top of cliff bearing N. 25° E. and S. 25° W., facing SE. Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. into loose rock to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S 19}{S 30} WC$ 1938 from which A juniper, 8 ins. diam., bears N. 11 $\frac{1}{2}$ ° W., 40 lks. dist., marked WC $\frac{1}{4}$ S19 BT. No other bearing tree available. Measurement by triangulation to E. rim of Tonto Creek Canyon as hereinbefore described. Desc. about 275 ft. over cliffs facing SE., and sliderock.
36.66	(Approx.) Tonto Creek, about 50 lks. wide, in bend, course S. 50° W., from N. 4° E. in bottom of canyon. Flowing stream of water about 50 lks. wide and 8 ins. deep, between bases of cliffs. Asc. about 1150 ft. over a precipitous general W. slope to E. rim of the canyon, broken by cliffs and sliderock.
38.66	True point for $\frac{1}{4}$ sec. cor. is on face of cliff where it is inaccessible and cannot be monumented, therefore witness cor. is established on the sec. line at 7.00 chs. S. 89° 48' W. as hereinbefore described.
59.77	Top of cliffs and E. rim of Tonto Creek Canyon, bears N. 15° E. and S. 15° W. Leave canyon. Resume chaining and continue line and measurement. Asc. gradually over W. slope.
61.10	Spur slopes S. Desc. 358 ft. over steep E. slope to
78.66	True point for cor. of secs. 19, 20, 29 and 30, in wash, 20 lks. wide, in bottom of canyon, course S. (Wit. cor. 1.20 chs. S. 0° 03' E.). Land, mountainous and broken. Soil, rocky, 4th rate. Timber, oak and juniper. Undergrowth, oakbrush and manzanita.
	From true point for cor. of secs. 19, 20, 29 and 30. N. 0° 03' W., bet. secs. 19 and 20.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. gradually in wash, 20 lks. wide, course S.
1.70	Leave wash, and bottom of canyon, course S. from N. 70° E. Asc. 870 ft. over steep broken S. and SE. slopes.

Survey: Subdivision lines: T. 10 N., R. 12 E.

Chains

10.80 Barbed wire fence (4 wire) bears N. $48\frac{3}{4}^\circ$ W., and S. $48\frac{3}{4}^\circ$ E.

38.20 Long spur, slopes SW.
Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground, to bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

W C
S19 $\frac{1}{4}$ S20
1938

from which

A pinyon, 8 ins. diam., bears S. $55\frac{3}{4}^\circ$ E., 84 lks. dist., marked WC $\frac{1}{4}$ S20 BT.

A juniper, 6 ins. diam., bears S. $31\frac{1}{4}^\circ$ W., 76 lks. dist., marked WC $\frac{1}{4}$ S19 BT.

Desc. slightly across top of spur to

38.30 E. rim of Tonto Creek Canyon, bears NE. and SW. Discontinue chaining at this point, owing to precipitous descent over cliffs and sliderock in the canyon. Triangulate measurement of the remainder of the sec. line as follows:

Set flag "A" on the witness cor. to $\frac{1}{4}$ sec. cor. at 38.20 ch. station on sec. line, and a flag "B" on line bet. secs. 17 and 18 near point of a spur on the W. side of Tonto Creek Canyon.

Vertical angle from "A" to "B" is -20° .

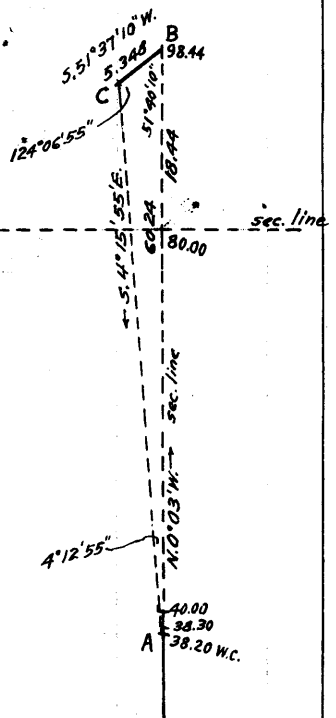
From "B" double chain a base S. $51^\circ 37' 10''$ W. to point "C" from which the flag "A" bears S. $4^\circ 15' 55''$ E.. Mean of the two measurements of the base "B-C" is 5.348 chs. A longer base is impracticable.

The included angles of the triangle "A-B-C" obtained by three repetitions are: $4^\circ 12' 55''$, $51^\circ 40' 10''$, and $124^\circ 06' 55''$, the sum of which is $180^\circ 00'$.

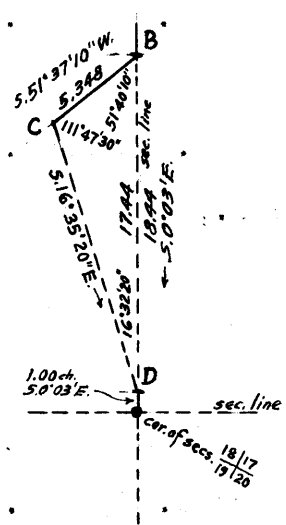
Chained dist. on sec. line bet. secs. 19 and 20 to point "A" = 38.20 chs. N. $0^\circ 03' W.$
Triangulated dist. "A" to "B" = 60.24 chs. N. $0^\circ 03' W.$
Total dist. from point for cor. of secs. 19, 20, 29 and 30 to point "B" = 98.44 chs. N. $0^\circ 03' W.$

Triang. point "B" is therefore 18.44 chs. N. $0^\circ 03' W.$ from the point for cor. of secs. 17, 18, 19 and 20.

40.00 True point for $\frac{1}{4}$ sec. cor. falls in sliderock, on precipitous NW. slope, where it cannot be monumented, therefore witness cor. is established on sec. line at 1.80 chs. S. $0^\circ 03' E.$ as hereinbefore described.



Chains



It being impracticable to chain return measurement S. 0° 03' E. from triangulation point "B" to the point for cor. of secs. 17, 18, 19 and 20, owing to precipitous and broken slopes, triangulate the return measurement from "B" as follows:

Line in a flag "D" between points "A" and "B" of the triangulation hereinbefore described, at approximate point for cor. of secs. 17, 18, 19 and 20.

Vertical angle from "B" to sec. line crossing of Tonto Creek is $-21\frac{1}{2}^\circ$, and the vertical angle from "B" to flag "D" is $+9^\circ$.

Use the same base (B-C) used for the preceding triangulation.

From point "C" the flag "D" bears S. 16° 35' 20" E.

The included angles of the triangle "B-C-D" obtained by three repetitions are: 51° 40' 10", 111° 47' 30", and 16° 32' 20", the sum of which is 180° 00'.

Triangulated dist. (by preceding triangulation)
 from "B" to point for cor. of
 secs. 17, 18, 19 and 20 = 18.44 chs. S. 0° 03' E.
 Triang. dist. "B" to "D" = 17.44 chs. S. 0° 03' E.
 Dist. "D" to point for sec. cor. = 1.00 chs. S. 0° 03' E.

Therefore from point "D" chain measurement S. 0° 03' E., 1.00 ch. to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 17, 18, 19 and 20, with brass cap marked

T10N	R12E
S18	S17
S19	S20

1938

from which

A pinyon, 10 ins. diam., bears N. 46° E., 61 lks. dist., marked T10N R12E S17 BT.

A juniper, 16 ins. diam., bears S. 35½° E., 55 lks. dist., marked T10N R12E S20 BT.

A pinyon, 14 ins. diam., bears S. 23¾° W., 28 lks. dist., marked T10N R12E S19 BT.

A pinyon, 6 ins. diam., bears N. 36° W., 54 lks. dist., marked T10N R12E S18 BT.

This cor. is on precipitous W. slope, about 1310 ft. below the W.C. to ¼ sec. cor. of secs. 19 and 20.

Land, mountainous and broken.
 Soil, rocky, 4th rate.
 Timber, pinyon and juniper.
 Undergrowth, oakbrush.

Survey: Subdivision lines: T. 10 N., R. 12 E.

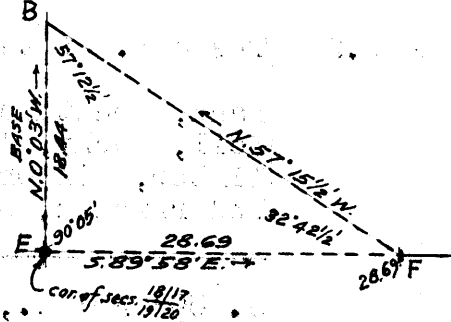
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Chains

S. 89° 58' E., on random line, bet. secs. 17 and 20.

Precipitous ascent over cliffs on a general NW. slope on E. side of Tonto Creek Canyon prevents chaining, therefore triangulate measurement of the random line to E. rim of canyon as follows:

Designate the cor. of secs. 17, 18, 19 and 20 as triangulation point "E". Set flag "F" ahead on random line on top of a long high spur at E. rim of canyon, the vertical angle to which is +31 1/4°.



From "F" a flag at point "B" on the sec. line bet. secs. 17 and 18, set for the triangulations hereinbefore described in survey of line bet. secs. 19 and 20, bears N. 57° 15 1/2° W. Point "B" is 18.44 chs. N. 0° 03' W. from "E" as previously determined, and the sec. line bet. "E" and "B" is used for this triangulation.

Included angles of the triangle "E-B-F" are: 90° 05', 57° 12 1/2', and 32° 42 1/2', the sum of which is 180° 00'.

Dist. by triangulation "E" to "F" = 28.69 chs. S. 89° 58' E.

28.69 Triangulation point "F". Begin chaining and continue line and measurement.

40.00 Set temp: 1/4 sec. cor.

80.26 Intersect N. and S. line 3 lks. S. of the cor. of secs. 16, 17; 20 and 21:

Thence

N. 89° 59' W., on true line bet. secs. 17 and 20.

Over mountainous land, thru dense timber and undergrowth.

Desc. 452 ft. over NW. slope.

19.32 Head of canyon, course N. Earthen tank bears S. 7 chs. dist. Asc. 282 ft. over NE. slope.

36.68 Ridge, bears NW. and SE. Desc. 20 ft. over gradual SW. slope to

40.13 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S 17 / S 20

1938

from which

A juniper, 5 ins. diam., bears S. 13 1/4° W., 9 lks. dist., marked 1/4 S20 BT.

A pinyon, 7 ins. diam., bears N. 75 3/4° W., 14 lks. dist., marked 1/4 S17 BT.

Desc. 30 ft. over gradual SW. slope.

45.68 Head of gulch, course SE. Asc. 56 ft. over SE. slope.

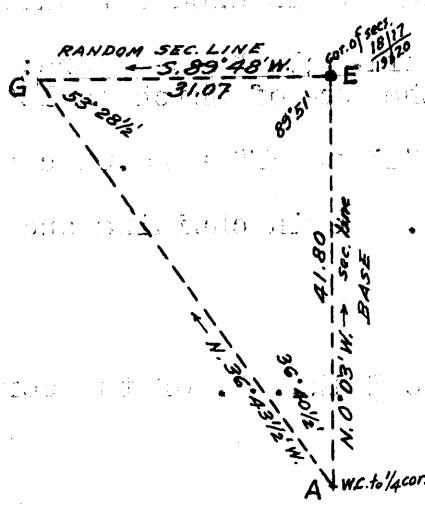
Survey; Subdivision lines: T. 10 N., R. 12 E.

102

Chains
51.32 Long spur, slopes SW. Thence across top of spur.
51.57 E. rim of Tonto Creek Canyon, bears NE. and SW. Discontinue chaining. Measurement to sec. cor. by triangulation hereinbefore described. Desc. about 1150 ft. over cliffs and precipitous general NW. slope to
80.26 The cor. of secs. 17, 18, 19 and 20.
Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, pinyon, oak and juniper.
Undergrowth, oakbrush.

S. 89° 48' W., on random line, bet. secs. 18 and 19.

Precipitous slopes and cliffs in Tonto Creek Canyon renders chaining impracticable therefore triangulate measurement of the random line across the canyon as follows:



Designate cor. of secs. 17, 18, 19 and 20 as triangulation point "E" and set flag "G" ahead on random line bet. secs. 18 and 19, on top of a high spur on W. side of Tonto Creek Canyon, the vertical angle to which is +24 1/2°.

From the witness cor. to 1/4 sec. cor. of secs. 19 and 20 designated as point "A" of a previous triangulation, the flag "G" bears N. 36° 43 1/2' W.

The sec. line bet. secs. 19 and 20 from "A" to "E" is N. 0° 03' W. 41.80 chs., which portion of the sec. line is used as a base for this triangulation.

Included angles of triangle "A-E-G" are: 36° 40 1/2', 89° 51', and 53° 28 1/2', the sum of which is 180° 00'.

Dist. triangulated on random line "E" to "G" = 31.07 chs. S. 89° 48' W.

31.07 Triangulation point "G": Begin chaining and continue line and measurement.

40.00 Set temp. 1/4 sec. cor.

78.55 Intersect W. bdy, of the Tp. 20 lks: S. of the reestablished cor. of secs. 18 and 19, hereinbefore described.

Thence

N. 89° 57' E., on true line, bet. secs. 18 and 19.

Over mountainous land, thru scattering timber and dense undergrowth.

Desc. 194 ft. over SE. slope.

7.55 Bottom of ravine, 30 lks. wide, course NE. for about 4 chs. thence E. Asc. 70 ft. over NW. slope.

16.50 Thence along N. slope, descending gradually to

26.48 Desc. 161 ft. over NE. slope.

Survey: Subdivision lines: T. 10 N., R. 12 E.

103

Chains	
35.10	Bottom of same ravine, in bend, course SE. from N. At about 3 chs. SE. from this point the bottom of this ravine turns to S. and continues with a southerly course to its junction with Tonto Creek, about 40 chs. dist. Asc. 160 ft. over SW. slope across a large sliderock area.
38.55	True point for $\frac{1}{4}$ sec. cor. falls in sliderock where it is unsafe to monument the cor. therefore establish witness cor. on line at 7.30 chs. N. $89^{\circ} 57'$ E. as hereinafter described.
45.80	Top of slide rock area, thence across narrow ledge bearing N. and S.
45.85	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	$WC\frac{1}{4} \begin{array}{l} S 18 \\ S 19 \end{array}$ <p>1938</p> <p>from which</p> <p>A pinyon, 14 ins. diam., bears N. $51\frac{1}{2}^{\circ}$ W., 20 lks. dist., marked $WC\frac{1}{4} S18$ BT.</p> <p>A pinyon, 10 ins. diam., bears S. $47\frac{1}{4}^{\circ}$ W., 12 lks. dist., marked $WC\frac{1}{4} S19$ BT.</p>
45.90	Leave ledge and asc. 95 ft. over steep W. slope to
47.48	Top of high rocky spur, sloping S. and forming W. rim of Tonto Creek Canyon. Discontinue chaining. Measurement to sec. cor. by triangulation hereinbefore described. Desc. about 1275 ft. over precipitous E. slope, across cliffs and slide rock.
72.50	Tonto Creek, a stream of water, 50 lks. wide, 6 ins. deep, course S. 24° W. in bottom of canyon. Asc. about 275 ft. over precipitous NW. slope to
78.55	The cor. of secs. 17, 18, 19 and 20. Land, mountainous and broken. Soil, rocky, 4th rate. Timber, juniper and pinyon. Undergrowth, oakbrush.
	N. $0^{\circ} 03'$ W., bet. secs. 17 and 18. Over mountainous land, thru scattering timber and undergrowth, in Tonto Creek Canyon. Asc. 46 ft. over steep SW. slope.
1.00	Rocky point, sloping W. Discontinue chaining. Measurement to 18.44 chain station by triangulation hereinbefore described. Desc. about 310 ft. over precipitous NW. slope across cliffs and sliderock.
13.50	(Approx.) Tonto Creek, a stream of water, 50 lks. wide, 6 ins. deep, course S. 24° W., from N. 40° E., in bottom of canyon. Asc. about 150 ft. over steep broken SE. slope to

Survey: Subdivision lines: T. 10 N., R. 12 E.

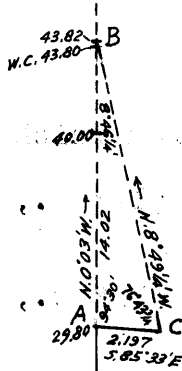
Chains

- 18.44 Triangulation point. Resume chaining and continue line and measurement. Asc. 18 ft. over SE. slope.
- 19.50 Point of spur, slopes E. Desc. 146 ft. over NE. slope.
- 24.80 Tonto Creek, a stream of water, 50 lks. wide, 6 ins. deep, in bend, course S. 37° E., from N. 16° E., in bottom of canyon. Ascend 30 ft. along E. slope to
- 29.80 Mouth of Brush Corral Canyon, from NW.

Discontinue chaining.

Asc. about 350 ft. over precipitous SE. slope, cliffs and slide rock. Measurement by triangulation as follows:

Designate 29.80 ch. station on sec. line as triangulation point "A".



Set flag "B" ahead on sec. line the vertical angle to which is +20 3/4°.

From "A" double chain a base S. 85° 33' E. to point "C" from which the flag "B" bears N. 8° 49 1/2' W. Mean of the two measurements of the base "A-C" is 2.197 chs. A longer base cannot be obtained for this triangulation.

Included angles of the triangle "A-B-C" by three repetitions, are: 94° 30', 8° 46 1/2', and 76° 43 3/4', the sum of which is 180° 00'.

Dist. chained and triangulated

- on sec. line to "A" = 29.80 chs. N. 0° 03' W.
- Dist. triangulated "A" to "B" = 14.02 chs. N. 0° 03' W.
- Total dist., sec. cor. to "B" = 43.82 chs. N. 0° 03' W.

40.00 True point for 1/4 sec. cor. falls in sliderock where it would be unsafe to monument the cor., therefore establish witness cor. on line at 3.80 chs. N. 0° 03' W. as hereinafter described.

From triangulation point "B" measure S. 0° 03' E., 2 lks. to

43.80 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, for witness cor. to 1/4 sec. cor., with brass cap marked

S18 | S17
W C

1938

No bearing trees available.

43.82 Triangulation point "B" on rocky point, sloping E. Chaining beyond this point is impracticable, as the sec. line crosses a canyon the sides of which are precipitous and broken, therefore triangulate measurement of the sec. line across the canyon as follows:

Survey: Subdivision lines: T. 10 N., R. 12 E.

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Chains

Set flag "D" ahead near top of spur on opposite side of canyon and bearing N. $0^{\circ} 17' E.$ from "B" with a vertical angle of $+11\frac{1}{2}^{\circ}$. Obstruction to visibility prevents setting flag "D" on sec. line.

From "D" double chain a base S. $60^{\circ} 04' 20" E.$ to point "E" from which flag "B" at 43.82 ch. station on sec. line bears S. $4^{\circ} 45' 10" W.$

Mean of the two measurements of the base "D-E" is 2.792 chs. A longer base could not be obtained for this triangulation.

Included angles of the triangle "B-D-E", by three repetitions are: $4^{\circ} 28' 10"$, $60^{\circ} 21' 20"$, and $115^{\circ} 10' 30"$, the sum of which is $180^{\circ} 00'$.

Dist. chained and triangulated on sec. line to "B" = 43.82 chs. N. $0^{\circ} 03' W.$
Dist. triangulated "B" to "D" = 32.42 chs. N. $0^{\circ} 17' E.$

Total dist. in latitude from sec. cor. to "D" = 76.24 chs. N.

Departure of sec. line from "B-D" in 32.42 chs. = 0.19 chs. W.

Triangulation point "D" is therefore 19 lks. E. from 76.24 ch. station on sec. line.

62.50 (Approx.) Wash, 20 lks. wide, course SE., in bottom of canyon, about 230 ft. below 43.82 ch. station on sec. line. Asc. about 670 ft. over precipitous, broken S. slope.

76.24 A point 19 lks. W. of triangulation point "D". Begin chaining and continue line and measurement. Asc. slightly over S. slope.

76.53 Rocky spur, slopes SE. Desc. 51 ft. over E. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 7, 8, 17 and 18, with brass cap marked

T10N	R12E
S7	S8
S18	S17

1938

from which

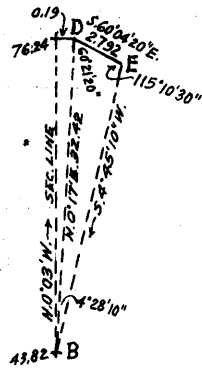
A pinyon, 10 ins. diam., bears N. $54\frac{1}{4}^{\circ} E.$, 25 lks. dist., marked T10N R12E S8 BT.

A pinyon, 6 ins. diam., bears S. $48\frac{3}{4}^{\circ} E.$, 34 lks. dist., marked T10N R12E S17 BT.

A pinyon, 6 ins. diam., bears S. $10^{\circ} W.$, 25 lks. dist., marked T10N R12E S18 BT.

A pinyon, 8 ins. diam., bears N. $69\frac{3}{4}^{\circ} W.$, 7 lks. dist., marked T10N R12E S7 BT.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, juniper, pinyon and oak.

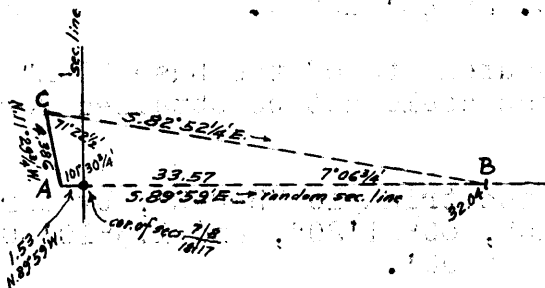


Chains

Undergrowth, oakbrush.

S. 89° 59' E., on random line, bet. secs. 8 and 17.

Precipitous slopes and cliffs in a canyon crossing the $\frac{1}{2}$ of this sec. line renders chaining impracticable, therefore triangulate as follows:



Set flag "B" ahead on random section line on opposite side of canyon, the vertical angle to which is $+2\frac{1}{2}^\circ$.

From cor. of secs. 7, 8, 17 and 18 measure N. $89^\circ 59' W.$ 1.53 chs. to point "A".

From "A" double chain a base N. $11^\circ 29\frac{3}{4}' W.$ to point "C" from which the flag "B" bears S. $82^\circ 52\frac{1}{4}' E.$

Mean of the two measurements of the base "A-C" is 4.386 chs.

A longer base could not be obtained and it is impracticable to lay off a base from the sec. cor.

Included angles of the triangle "A-B-C", by three repetitions, are $101^\circ 30\frac{3}{4}'$, $7^\circ 06\frac{3}{4}'$, and $71^\circ 22\frac{1}{2}'$, the sum of which is $180^\circ 00'$.

Triangulated dist. from "A" to "B" = 33.57 chs. S. $89^\circ 59' E.$
 Dist. from "A" to sec. cor. = 1.53 chs. S. $89^\circ 59' E.$
 Dist. sec. cor. to "B" = 32.04 chs. S. $89^\circ 59' E.$

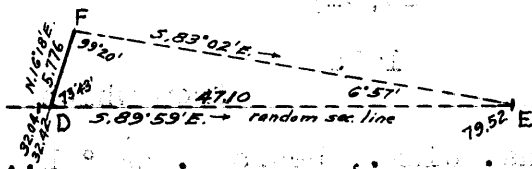
32.04 Triangulation point "B" on spur sloping S.

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

Chain measurement S. $89^\circ 59' E.$, 38 lks. to

32.42 Beyond this point the sec. line crosses another canyon, wherein precipitous slopes render chaining impracticable, therefore make another triangulation as follows:

Designate 32.42 ch. station on random sec. line as triangulation point "D".



Set flag "E" ahead on random line on point of spur, on opposite side of canyon, the vertical angle to which is $+4\frac{3}{4}^\circ$.

Vertical angle from "D" to bottom of canyon is -20° .

From "D" double chain a base N. $16^\circ 18' E.$ to point "F" from which flag "E" bears S. $83^\circ 02' E.$

Mean of the two measurements of the base "D-F" is 5.776 chs.

A longer base is impracticable.

Survey: Subdivision, lines: T. 10 N., R. 12 E.

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Chains	
	Included angles of the triangle "D-E-F" are: $73^{\circ}43'$, $6^{\circ}57'$ and $99^{\circ}20'$, the sum of which is $180^{\circ}00'$.
	Dist. on random sec. line to point "D" = 32.42 chs. S. $89^{\circ}59'E$.
	Dist. triangulated from "D" to "E" = <u>47.10</u> chs. S. $89^{\circ}59'E$.
	Total dist. sec. cor. to point "E" = 79.52 chs. S. $89^{\circ}59'E$.
79.52	Triangulation point "E". Begin chaining and continue line and measurement.
80.08	Intersect N. and S. line 16 lks. N. of the true point for cor. of secs. 8, 9, 16 and 17, witnessed 1.60 chs. N. $0^{\circ}02'W$, as hereinbefore described.
	From sec. cor. point, N. $89^{\circ}52'W$, on true line, bet. secs. 8 and 17
	Over mountainous land, thru scattering timber and undergrowth, at N. rim of Tonto Creek Canyon. Asc. 20 ft. over slide rock on steep SE. slope.
0.56	Point of spur, sloping SW. Discontinue chaining. Measurement by triangulation hereinbefore described. Enter Goswick Canyon at its mouth and point of entrance into Tonto Creek Canyon. Desc. about 650 ft. over precipitous SW. slope, cliffs and sliderock.
31.00	(Approx.) Bottom of Goswick Canyon, 20 lks. wide, course SE. (general course S.) Joins bottom of Tonto Creek Canyon about 15 chs. S. of this point. Asc. about 400 ft. over precipitous E. slope and cliffs.
40.04	True point for $\frac{1}{4}$ sec. cor. is in cliffs where it is inaccessible and cannot be monumented, therefore establish witness cor. on line at 8.00 chs. N. $89^{\circ}52'W$ as hereinafter described.
47.66	Resume chaining and continue line and measurement.
48.04	Top of spur, sloping S. Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor. with brass cap marked $\frac{1}{4} \frac{S 8}{S 17} WC$ 1938 from which A juniper, 18 ins. diam., bears N. $75^{\circ}E$, 12 lks. dist., marked $WC \frac{1}{4} S 8 BT$. A pinyon, 6 ins. diam., bears S. $53 \frac{3}{4}^{\circ}W$, 68 lks. dist., marked $WC \frac{1}{4} S 17 BT$. Thence across top of spur.
50.00	Dim trail, bears N. and S. along spur.
50.10	Leave top of spur. Discontinue chaining. Measurement of remainder of sec. line by triangulation hereinbefore described. Enter Big Canyon near its mouth or entrance into Tonto Creek Canyon. Desc. about 715 ft. over precipitous broken W. slope.

Chains	
65.50	(Approx.) Wash, 25 lks. wide, course S., in bottom of Big Canyon. Contains pools of water at intervals, and enters Tonto Creek about 20 chs. S. of this point. Asc. about 565 ft. over precipitous E. slope, cliffs and sliderock, to.
80.08	The cor. of secs. 7, 8, 17 and 18. Land, mountainous and broken. Soil, rocky, 4th rate. Timber, pinyon, juniper and oak. Undergrowth, oakbrush.
	S. 89° 57' W., on random line, bet. secs. 7 and 18.
1.53	Discontinue chaining at this point owing to precipitous slopes and cliffs in a canyon which crosses the line ahead. Triangulate measurement of the random sec. line across the canyon as follows: <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 10px;"> <p>Use the same base "A-C" as was used in the triangulation of the W. 32.04 chs. of the line bet. secs. 8 and 17 as hereinbefore described, in which point "A" was located 1.53 chs. N. 89° 59' W. from sec. cor. and the base chained N. 11° 29³/₄' W., 4.386 chs. to point "C". A longer base is impracticable.</p> </div> </div>
	Set flag "D" ahead on random sec. line, the vertical angle to which is +16°, and vertical angle to bottom of canyon is -28°.
	From point "C" the flag "D" bears S. 73° 39 ¹ / ₂ ' W.
	Included angles of the triangle "A-C-D" by three repetitions are: 78° 33 ¹ / ₄ ', 85° 09 ¹ / ₄ ', and 16° 17 ¹ / ₂ ', the sum of which is 180° 00'.
	Dist. chained on random line to "A" = 1.53 chs. Dist. triangulated from "A" to "D" = <u>15.58</u> chs.
	Total dist. from sec. cor. to "D" = 17.11 chs. S. 89° 57' W.
17.11	Triangulation point "D". Resume chaining and continue line and measurement.
40.00	Set temp. ¹ / ₄ sec. cor.
80.14	Intersect W. bdy. of the Tp. 2 lks. S. of the reestablished cor. of secs. 7 and 18, hereinbefore described. Thence N. 89° 58' E., on true line, bet. secs. 7 and 18. Over mountainous land, thru medium timber and dense undergrowth. Desc. 240-ft. over NE. slope.
14.00	Bottom of ravine, 50 lks. wide, course SE. Desc. 107 ft. over S. and SE. slopes.
21.20	Barbed wire fence (4 wire), bears N. 36° W. and S. 36° E.
24.00	Wash, 50 lks. wide, course S. from NW. in bottom of canyon.

Survey; Subdivision lines: T. 10 N., R. 12 E.

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Chains

Asc. 238 ft. over W. slope.

36.74 Spur, slopes SE. Desc. 65 ft. over E. slope to

40.14 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S 7 / S 18

1938

from which

A pinyon, 14 ins. diam., bears N. 56 1/2° W., 29 lks. dist., marked 1/4 S7 BT.

A pinyon, 6 ins. diam., bears S. 9° E., 33 lks. dist., marked 1/4 S18 BT.

Desc. 453 ft. over steep broken E. slope.

49.94 Wash, 20 lks. wide, course SE., in bottom of canyon. Asc. 343 ft. over steep, rocky SW. slope, thru scattering timber and undergrowth.

62.44 High spur, slopes S. Desc. 16 ft. over E. slope to

63.00 Top of cliffs, bearing N. and S. facing E. and forming W. rim of canyon. Discontinue chaining. Measurement across canyon by triangulation hereinbefore described. Desc. about 450 ft. over cliffs and slide rock.

73.50 (Approx.) Wash, 15 lks. wide, course S., in bottom of canyon. Asc. about 165 ft. over precipitous W. slope.

78.61 Spur, slopes S. 12° E. Resume chaining and continue line and measurement. Desc. 56 ft. over steep E. slope to

80.14 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous and broken.
Soil, rocky, 4th rate.
Timber, pinyon, juniper and oak.
Undergrowth, oakbrush.

N. 0° 03' W., bet. secs. 7 and 8.

Over mountainous land, thru dense timber and undergrowth. Along W. side of Big Canyon. Asc. 450 ft. over steep, broken, rocky E. slope to

40.00 Point of short spur, slopes E. Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S7 | S8

1938

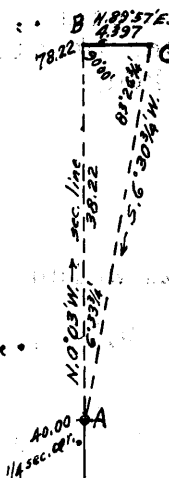
from which

A pinyon, 8 ins. diam., bears N. 66 1/4° E., 21 lks. dist., marked 1/4 S8 BT.

A pinyon, 5 ins. diam., bears N. 39 1/2° W., 60 lks. dist., marked 1/4 S7 BT.

Chains

Discontinue chaining at this cor. and triangulate measurement across Big Canyon as follows:



Set flag "A" on the 1/4 sec. cor. and flag "B" ahead on sec. line, on opposite side of canyon, the vertical angle to which is $+1\frac{1}{2}^\circ$. The vertical angle to point where bottom of canyon crosses the sec. line is -16° .

From "B" double chain a base N. $89^\circ 57' E.$ to point "C" from which the flag "A" bears S. $6^\circ 30\frac{3}{4}' W.$ Mean of the two measurements of the base "B-C" is 4:397 chs.

A longer base is impracticable.

Included angles of the triangle "A-B-C" by three repetitions are: $6^\circ 33\frac{3}{4}'$, $90^\circ 00'$ and $83^\circ 26\frac{1}{4}'$, the sum of which is $180^\circ 00'$.

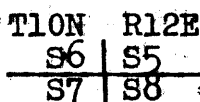
Dist. chained on sec. line to "A" = 40.00 chs. N. $0^\circ 03' W.$
 Dist. triangulated from "A" to "B" = 38.22 chs. N. $0^\circ 03' W.$
 Total dist. on sec. line, sec. cor. to "B" = 78.22 chs. N. $0^\circ 03' W.$

61.50 (Approx.) Wash, 20 lks. wide, course S. $32^\circ E.$ in bottom of Big Canyon, about 410 ft. below the 1/4 sec. cor. Asc. about 525 ft. over precipitous broken SW. slope to

78.22 Triangulation point. Resume chaining and continue line and measurement. Asc. 30 ft. over SW. slope.

79.00 Point of spur, slopes SW. Asc. slightly over W. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground to bedrock, and in a small mound of stone to top, for cor. of secs. 5, 6, 7 and 8, with brass cap marked



1938

from which

A pinyon, 8 ins. diam., bears N. $81\frac{1}{2}^\circ E.$, 165 lks. dist., marked T10N R12E S5 BT.

A pinyon, 6 ins. diam., bears S. $73\frac{1}{2}^\circ E.$, 116 lks. dist., marked T10N R12E S8 BT.

A pinyon, 6 ins. diam., bears S. $34\frac{1}{4}^\circ W.$, 66 lks. dist., marked T10N R12E S7 BT.

A pinyon, 6 ins. diam., bears N. $74\frac{1}{2}^\circ W.$, 90 lks. dist., marked T10N R12E S6 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper, oak and pinyon.
 Undergrowth, oakbrush.

S. $89^\circ 52' E.$, on random line, bet. secs. 5 and 8.

40.00 Set temp. 1/4 sec. cor.

79.89 Intersect N. and S. line 16 lks. S. of the cor. of secs.

Survey: Subdivision lines: T. 10 N., R. 12 E.

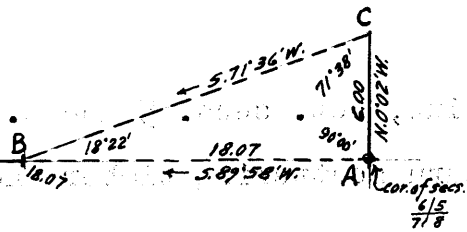
BOOK 4227

Chains	
	4, 5, 8 and 9.
	Thence
	N. 89° 59' W., on true line, bet. secs. 5 and 8.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 76 ft. over W. slope.
4.74	Bottom of gulch, course SW. near head. Asc. 30 ft. over SE. slope.
8.46	Spur, slopes SW. from NW. Desc. 104 ft. over SW. slope.
13.70	Head of gulch, course SW. Asc. 216 ft. over SE. slope.
19.02	Spur, slopes SW. Desc. 222 ft. over SW. slope to
39.95	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 5}{S 8}$
	1938
	from which
	A juniper, 10 ins. diam., bears S. 3° E., 151 lks. dist., marked $\frac{1}{4}$ S8 BT.
	A juniper, 24 ins. diam., bears N. 38 $\frac{1}{4}$ ° W., 107 lks. dist., marked $\frac{1}{4}$ S5 BT.
40.10	Bottom of canyon, 15 lks. wide, course SE. from N. Asc. 195 ft. over steep E. slope.
46.50	Blue Dog Ridge, bears N. and S. Desc. 289 ft. over steep W. slope.
53.80	Wash, 30 lks. wide, in bottom of canyon, course SW. Asc. 290 ft. over SE. slope.
66.30	Spur, slopes SW. Desc. 109 ft. over SW. slope.
71.00	Desc. 20 ft. along S. slope.
78.90	Spur, slopes SW., near point of same. Desc. 33 ft. over W. slope to
79.89	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, oakbrush.
	S. 89° 58' W., on random line, bet. secs. 6 and 7.
	Owing to precipitous slopes, sliderock and cliffs in Big Canyon, chaining is impracticable, therefore triangulate measurement of the random sec. line across the canyon as follows:
	Designate the cor. of secs. 5, 6, 7 and 8 as triangulation point "A".

Survey: Subdivision lines: T. 10 N., R. 12 E.

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Chains



Set flag "B" ahead on random line near W. rim of canyon, the vertical angle to which is $-5\frac{3}{4}^\circ$, and the vertical angle to point where bottom of canyon crosses the sec. line is -25° .

From "A" chain a base N.0°02'W. 6.00 chs. to point "C" from which flag "A" bears S.71°36'W.

Included angles of the triangle "A-B-C" are: $90^\circ 00'$, $18^\circ 22'$, and $71^\circ 38'$, the sum of which is $180^\circ 00'$.

Triangulated dist. on random line from "A" to "B" = 18.07 chs. S.89°58'W.

18.07 Triangulation point "B". Begin chaining and continue line and measurement.

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

81.97 Intersect W. bdy. of the Tp. 12 lks. N. of the reestablished cor. of secs. 6 and 7, hereinbefore described.

Thence

N. $89^\circ 53'$ W., on true line, bet. secs. 6 and 7.

Over mountainous land, thru dense timber and undergrowth.

Asc. 64 ft. on top of ridge, bearing E. and W. Spur slopes N. from ridge near sec. cor.

7.20 Leave top of ridge, bearing NE. and W. Desc. 70 ft. over S. slope.

13.61 Asc. 200 ft. over S. and SW. slopes.

18.00 A point about 3 chs. S. from saddle and fork in ridges, bearing NE. and SE. from SW.

20.00 Well defined cow trail, bears N. and S.

25.30 Ridge, bears NW. and SE. Leave timber, continue thru dense undergrowth. Desc. 184 ft. over NE. and N. slopes to

39.10 Spur, slopes N. 60° E. Desc. 100 ft. over steep SE. slope to

41.97 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a small mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4} \frac{S. 6}{S. 7}$

1938

No bearing trees available.

Desc. 548 ft. over steep SE. slope to

64.92 W. rim of Big Canyon, bears N. 10° W. and S. 10° E. Discontinue chaining. Measurement to sec. cor. by triangulation across canyon as hereinbefore described. Desc. about 265 ft. over cliffs, facing E.

Survey: Subdivision lines: T. 10 N., R. 12 E. BOOK 4227

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Chains	
69.50	(Approx.) Wash, 20 lks. wide, course SE. in bottom of Big Canyon, at mouth of side canyon, from NE. Asc. about 385 ft. over cliffs, sliderock and precipitous W. slope to
81.97	The cor. of secs. 5, 6, 7 and 8. Land, mountainous and broken. Soil, rocky, 4th rate. Timber, pinyon, oak and juniper. Undergrowth, oakbrush.
40.00	N. 0° 03' W., on random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect the cor. of secs. 5, 6, 31 and 32 on N. bdy. of the Tp. hereinbefore described. Thence
9.50	S. 0° 03' E., on true line, bet. secs. 5 and 6. Over mountainous land, thru dense timber and undergrowth. Desc. 100 ft. over S. slope.
23.80	Bottom of ravine, course SW. Asc. 95 ft. over NW. slope.
35.60	Spur, slopes SW. Desc. 338 ft. over broken S. slope.
39.80	Head of wash, course SE. Asc. 12 ft. over NE. slope to Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S6 S5 1938 from which A pinyon, 8 ins. diam., bears N. 17 $\frac{3}{4}$ ° E., 81 lks. dist., marked $\frac{1}{4}$ S5 BT. A pinyon, 5 ins. diam., bears N. 31 $\frac{1}{2}$ ° W., 73 lks. dist., marked $\frac{1}{4}$ S6 BT. Desc. 22 ft. over E. slope.
42.78	Asc. gradually over NE. slope.
46.80	Point of short spur slopes E. at NW. rim of canyon. Leave dense and enter scattering timber. Desc. 526 ft. over steep broken SE. slope in canyon.
66.90	Wash, 30 lks. wide, course SW., in bottom of side canyon to Big Canyon. Asc. 165 ft. over steep NW. slope to
74.30	Asc. 30 ft. over steep W. slope to
79.80	The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, oak and pinyon. Undergrowth, oakbrush.

GENERAL DESCRIPTION.

This township is extremely mountainous, cut by Tonto Creek Canyon and many side canyons tributary thereto. Tonto Creek heads about ten miles to the north, enters the township on the north bdy. of sec. 2, drains the entire township, and leaves on the west bdy. of sec. 31. Normally, this creek carries a flowing stream of water throughout the year, and several of its principal tributaries in the township also contain running water. A spring is located in the northeastern part of section 33.

The highest elevation, about 6200 feet above sea level, is on the south bdy. of sec. 34, near the summit of Diamond Butte. The lowest elevation, about 3500 feet, is in the bottom of Tonto Creek Canyon, on the west bdy. of sec. 31. The average elevation of the surface is about 4750 feet above sea level.

In Tonto Creek Canyon, in the northwest quarter of sec. 14, at the mouths of Marsh Creek Canyon from the east, Smoky Hollow Canyon from the south, and gulches from the northwest and southeast, there is an area known as "Hell's Gate".

The soil throughout is either a gravelly and rocky clay, 3rd rate, or rocky, 4th rate.

Timber, of juniper, pinyon, oak and yellow pine, is prevalent in all sections, mainly scattering, but many areas have a dense growth of such varieties of trees; and sycamore and hackberry trees grow along the bottoms of the principal canyons.

The undergrowth consists of oakbrush, mountain mahogany, manzanita, locust, bear grass, catclaw, cacti and second growth timber, and is prevalent in all parts, in dense and scattering growths.

The entire township is within the Tonto National Forest.

There are no settlers, or any cultivated land.

There is no evidence of valuable mineral deposits.

There are few improvements. A frame cabin in Hell's Gate is the only house. A few lines of barbed wire range fences have been constructed in secs. 1, 7, 18, 19, 20, 24, 25 and 36. Earthen tanks for water storage have been built, one in each of sections 20, 26 and 36, for stock watering. A corral, built of logs, and known as "LOWER CORRAL" is located in the northeast corner of section 29.

There are no roads within the township, the only means of travel being a few trails. The principal trail is one which extends easterly from "Lower Corral" thru the southern part of the township. This trail connects outside the township with trails leading to the nearest settlement, the village and postoffice of Young, Arizona, about ten miles distant, to the southeast, and located on a good highway. Other trails extend in several directions from Hell's Gate, and there are a few trails in the western part of the township.

Periodical grazing of small herds of cattle, is the only industry carried on in this township at the present, there being a fair growth of grass in many of the more open areas.

FINAL FIELD TEST OF INSTRUMENTS.

Buff and Buff transit No. 16723
Horace M. Muscott, Surveyor.

November 18, 1938; at camp at the Spurlock Ranch in the SW $\frac{1}{4}$ of sec. 33, T. 10 N., R. 13 E., unsurveyed, in latitude $34^{\circ}09'42''$ N., and longitude $111^{\circ}01'22''$ W., examine the adjustments of Buff and Buff transit No. 16723 and find no errors, then, to test the solar apparatus of same by comparing its indications with the true meridian determined at this station by Polaris observation on October 12 as hereinbefore described, proceed as follows:

At 9h. 00m., a.m., app.t., set off $34^{\circ}09\frac{1}{2}'$ N. on the lat. arc; $19^{\circ}09'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading of $19^{\circ}11\frac{1}{2}'$ S. on the decl. arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app.t., with the lat. arc unchanged; set off $19^{\circ}12\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within $1'30''$ of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and that it has remained in such condition throughout the surveys executed with same which are described in the foregoing field notes.

Buff and Buff transit No. 9984
Claude F. Warner, Transitman.

November 18, 1938; at same station as above described, examine the adjustments of Buff and Buff transit No. 9984 and find no errors, then, to test the solar apparatus of same by comparing its indications with the same true meridian, proceed as follows:

At 9h. 00m., a.m., app.t., set off $34^{\circ}09\frac{1}{2}'$ N. on the lat. arc; $19^{\circ}09'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading of $19^{\circ}11\frac{1}{2}'$ S. on the decl. arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app.t., with the lat. arc unchanged; set off $19^{\circ}12\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within $1'30''$ of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and that it has remained in such condition throughout the surveys executed with same which are described in the foregoing field notes.

Young and Son's transit No. 8526
Frank Moteh, Public Land Surveyor.

November 18, 1938; at same station as described for the preceding tests of instruments, examine the adjustments of Young and Son's transit No. 8526 and find no errors, then, to test the solar apparatus of same by comparing its indications with the same true meridian, proceed as follows;

At 9h. 00m., a.m., app.t., set off $34^{\circ}09\frac{1}{2}'$ N. on the lat. arc; $19^{\circ}09'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian, and obtain a reading of $19^{\circ}11\frac{1}{2}'$ S. on the decl. arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app.t., with the lat. arc unchanged; set off $19^{\circ}12\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within $1'30''$ of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and that it has remained in such condition throughout the surveys executed with same which are described in the foregoing field notes.

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BOOK 4227

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Frank Motoh, Public Land Surveyor, HEREBY CERTIFY upon honor that, in supplemental pursuance of special instructions bearing date of the 23rd day of July, 1937 received from the district cadastral engineer for Arizona, with assignment instructions dated May 24, 1938, I have surveyed part of the Subdivision lines of Township No. 10 North, Range No. 12 East

of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said 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.

Phoenix, Arizona
January 22, 1940

Frank Motoh
Public Land Surveyor

~~CERTIFICATE OF APPROVAL~~

~~OFFICE OF U.S. SUPERVISOR OF SURVEYS,~~

~~....., 10~~

~~The foregoing field notes of the survey of~~

~~executed by~~
~~under special instructions dated~~, and assignment instructions dated ~~.....~~, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

~~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.~~

(120)

BOOK 4227

CERTIFICATE OF UNITED STATES SURVEYOR

I, Claude F. Warner, Transitman, HEREBY CERTIFY upon honor that, in supplemental pursuance of special instructions bearing date of the 23rd day of July, 1937

received from the district cadastral engineer for Arizona, with assignment instructions dated May 24, 1938, I have surveyed part of the Subdivision lines of

Township No. 10 North, Range No. 12 East

of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said 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.

Phoenix, Arizona

Claude F. Warner

January 22, 1940

Transitman

CERTIFICATE OF APPROVAL

Office of U.S. Supervisor of Surveys,

19

The foregoing field notes of the survey of

executed by

under special instructions dated, and assignment

instructions dated, having been critically examined, and

the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey

therein described, are hereby approved.

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.

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4-680
(Revised May 1934)

FIELD ASSISTANTS
to

Horace M. Muscott

Surveyor

NAMES	CAPACITY
Edmond R. Brenizer	Principal Assistant
Van N. Kilgore	Chainman
Kenneth N. Burrows	Chainman
Leon Cain	Cornerman
Richard B. McNeley	Cornerman
William L. Morrison	Axman
Ray Sears	Axman
Jack Ralston	Flagman

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BOOK 4227

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Horace M. Muscott, Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} special instructions bearing date of the 23rd day of July, 1937, received from the district cadastral engineer for Arizona, with assignment instructions dated May 24, 1938, I have ~~resurveyed~~ ^{resurveyed} part of East boundary of T. 10 N., R. 11 E., and part of West boundary of T. 10 N., R. 12 E. and surveyed part (completion) of East boundary and part (completion) of South boundary of T. 10 N., R. 11 E. and part (completion) of West boundary, all of the East and North boundaries and part of the Subdivision lines of Township No. 10 North, Range No. 12 East

of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said 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.

Phoenix, Arizona
January 22, 1940

Horace M. Muscott
Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,
Denver, Colo., February 10, 1941

The foregoing field notes of the ~~resurvey~~ ^{resurvey} of part of East bdy. of T. 10 N., R. 11 E., and part of West bdy. of T. 10 N., R. 12 E., and Survey of part (completion) of East bdy. and part (completion) of South bdy. of T. 10 N., R. 11 E. and part (completion) of West bdy., all of East and North boundaries and all of the Subdivision lines of Township No. 10 North, Range No. 12 East of the Gila and Salt River Meridian, in the State of Arizona

executed by Horace M. Muscott, Surveyor; Claude F. Warner, Transitman and Frank Moteh, Public Land Surveyor

^{supplemental} under special instructions dated July 23, 1937, Group 190, Arizona, and assignment instructions dated May 24, 1938, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

[Signature]
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.