

4-679
(April 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4190

FIELD NOTES

4190

OF THE RESURVEY OF

FIRST STANDARD PARALLEL NORTH

thru

RANGE 13 EAST

and

SURVEY OF

NORTH BOUNDARY and

SUBDIVISION LINES

of

TOWNSHIP 5 NORTH, RANGE 13 EAST

Of the Gila and Salt River Meridian,

In the State of ARIZONA

EXECUTED BY

Ty White, Surveyor

Norville E. Shearer, Public Land Surveyor

Frank Kennon, Public Land Surveyor

supplemental
Under special instructions dated April 28th, 1938, which provided
for the surveys included under Group No 223 Arizona, bearing the approval of the
Commissioner of the General Land Office under date of May 21, 1938
and assignment instructions dated May 12th, 1938

Resurvey and Survey commenced October 18th, 1938

Resurvey and Survey completed November 8th, 1938

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INDEX DIAGRAM.

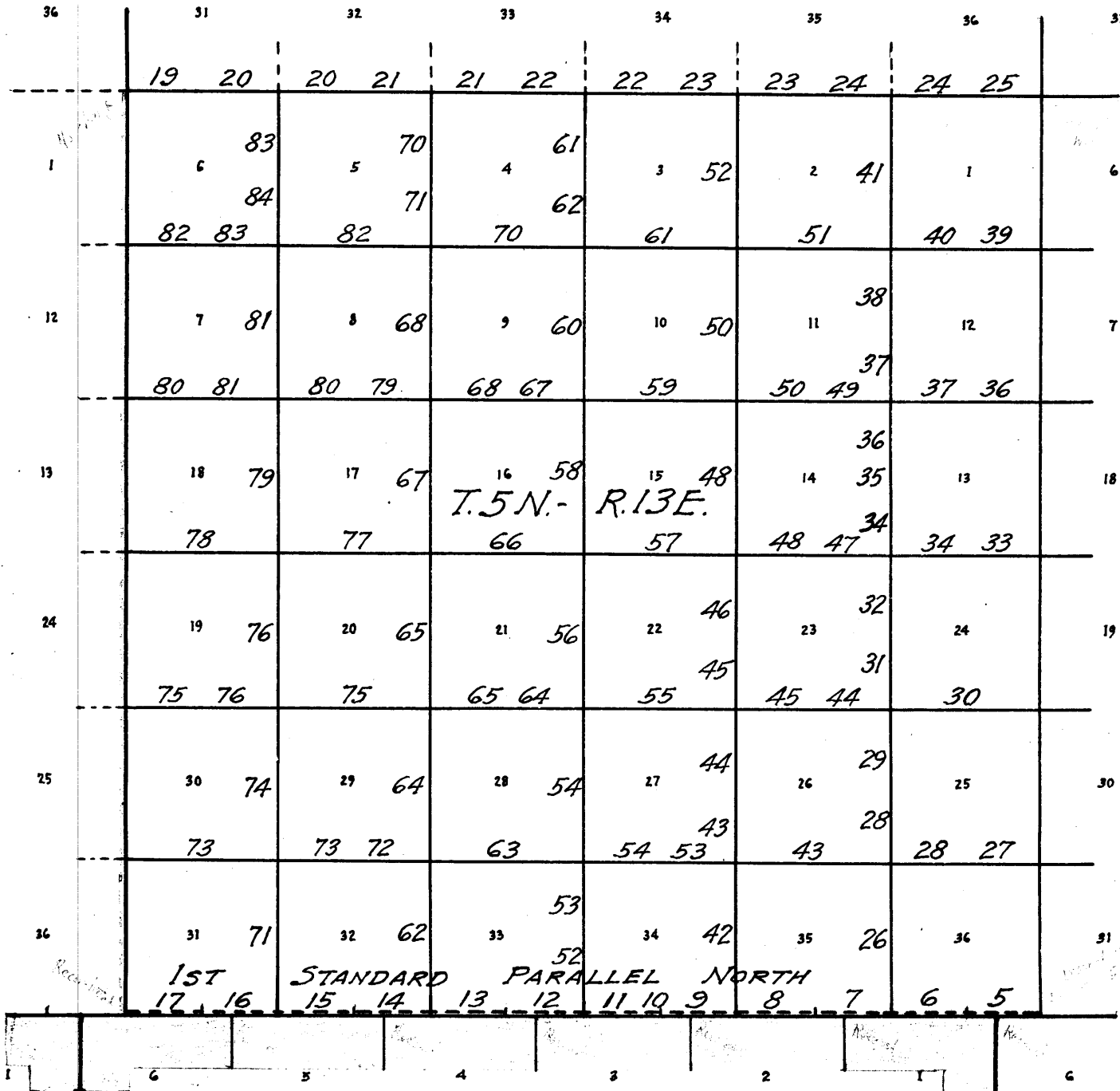
Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
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BOOK "I" GROUP 223, ARIZONA.

~INDEX-DIAGRAM~

BOOK 4190



———— Lines of accepted surveys.

----- Unsurveyed.

----- Lines resurveyed under this group.

———— Lines surveyed under this group.



Areas surveyed as per accepted plats on file.

The resurveys and surveys herein described were executed with Buff and Buff solar transits, Nos. 18002 and 10125, and Lietz solar transit No. 6166, used respectively by Ty White, Surveyor and Norville E. Shearer and Frank Kennon, Public Land Surveyors. The instruments are equipped with improved Smith solar attachments and otherwise conform to the standard specifications of the General Land Office. The instruments were examined and tested by the District Cadastral Engineer for California and Arizona, and were approved prior to the surveys, conditional upon satisfactory field tests.

The azimuths of the various surveyed lines were determined by the solar method.

The measurements were made with Lufkin and Dietzgen steel tapes, 5 chs. in length, graduated every link for the first 100 links and the balance at intervals of 10 links. The tapes were tested with a Lufkin standard tape and found to be correct. 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. 18002
Ty White, Surveyor.

October 18, 1938, in camp in the NE. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of sec. 35, T. 5 N., R. 13 E., G. & S.R.B. & M., Arizona, in latitude $33^{\circ}43'40''$ N., as determined by the mean of altitude observations on the sun and Polaris, and longitude $110^{\circ}59'$ W., examine the adjustments of the transit and find no errors, watch reading correct 105th meridian time by comparison with a Western Union telegraph clock, then to test the solar apparatus by comparing its indications with a true meridian established by Polaris observation, proceed as follows:

October 18, 1938, at 8h.13m.42s., a.m., l.m.t., make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, and reading the deflection angles from a marked point about 15 chs. northerly, west to Polaris;

Mean watch time of observation, a.m.	8h 37m 38s
Watch time fast of l.m.t.	23m 56s
Mean horizontal angle from Polaris East to reference point	1° 01.8'
Azimuth of Polaris	1° 00.9'
True bearing of reference point	N.0° 00.9' E.

At 9h 00m a.m., app.t., set off $33^{\circ}43\frac{1}{2}'$ N., on the latitude arc; $9^{\circ}31\frac{1}{2}'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of $9^{\circ}34\frac{1}{2}'$ S. which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged; set off $9^{\circ}37'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

Buff and Buff Transit No. 10125
Norville E. Shearer, Public Land Surveyor.

On same date, at same station and using the reference point obtained by Ty White, Surveyor by Polaris observation, test the solar apparatus of Buff and Buff transit No. 10125, as follows:

At 9h 00m a.m., app.t., set off $33^{\circ} 43\frac{1}{2}'$ N., on the latitude arc; $9^{\circ} 31\frac{1}{2}'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of $9^{\circ} 34\frac{1}{2}'$ S. which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, set off $9^{\circ} 37'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

Lietz Transit No. 6166
Frank Kennon, Public Land Surveyor.

On same date, at same station and using the reference point obtained by Ty White, Surveyor by Polaris observation, test the solar apparatus of Lietz transit No. 6166, as follows:

At 9h 00m a.m., app.t., set off $33^{\circ} 43\frac{1}{2}'$ N., on the latitude arc; $9^{\circ} 31\frac{1}{2}'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of $9^{\circ} 34\frac{1}{2}'$ S. which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, set off $9^{\circ} 37'$ S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

All of the solar observations made with these transits during the usual hours of solar work coming within $1' 30''$ of the true meridian, demonstrates that they are in satisfactory adjustment at the beginning of the surveys herein described.

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

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3.

Chains

The 1st Standard Parallel North was surveyed east thru R. 13 E., by T.F.White, U.S.D.S. in 1881, establishing the std. $\frac{1}{4}$ sec. and sec. cors., alternately, at 40.00 chain intervals, counting from the std. cor. of T. 5 N., Rs. 12 and 13 E. The closing cors. of the lines closing on the Parallel in R. 13 E. were also established in same year by same surveyor.

No retracement or resurvey of any part of said Parallel in R. 13 E. is of record.

The following notes describe a dependent resurvey of the Parallel thru R. 13 E. between the original std. Tp. cors., remonumenting with their original reference, the std. $\frac{1}{2}$ sec. cor. of sec. 36, and the std. cor. of secs. 35 and 36, T. 5 N., R. 13 E., and westerly therefrom remonumenting all the original std. cors., and changing them to angle points. Also remonument all the closing cors. of the accepted lines to the south. Std. $\frac{1}{4}$ sec. and sec. cors. are reestablished alternately at 40.00 chain intervals, counting from the std. cor. of secs. 35 and 36.

Retracement for Resurvey.

From the std. cor. of Ts. 5 N., Rs. 13 and 14 E.,

West, on random line, S. of sec. 36 (E. $\frac{1}{2}$).

25.33 A point 5 lks. S. of the closing cor. of Ts. 4 N., Rs. 13 and 14 E.

39.92 A point 8 lks. S. of the std. $\frac{1}{4}$ sec. cor.

True course and dist. of E. $\frac{1}{2}$ of S. bdy. of sec. 36 are therefore, N. $89^{\circ}53'W.$, 39.92 chs., and the closing cor. is on line.

Thence

West, on random line, S. of sec. 36 (W. $\frac{1}{2}$).

39.99 A point 7 lks. N. of the std. cor. of secs. 35 and 36.

True course and dist. of W. $\frac{1}{2}$ of S. bdy. of sec. 36 are therefore S. $89^{\circ}54'W.$, 39.99 chs.

West, on random line, S. of original sec. 35 (E. $\frac{1}{2}$).

25.22 A point 8 lks. N. of the closing cor. of secs. 1 and 2, T: 4 N., R. 13 E.

39.70 A point 13 lks. N. of the original std. $\frac{1}{4}$ sec. cor.

True course and dist. of E. $\frac{1}{2}$ of original S. bdy. of sec. 35 are therefore S. $89^{\circ}49'W.$, 39.70 chs., and the closing cor. is on line.

Thence

West, on random line, S. of original sec. 35 (W. $\frac{1}{2}$).

39.99 A point 10 lks. N. of original std. cor. of secs. 34 and 35.

True course and dist. of W. $\frac{1}{2}$ of original S. bdy. of sec. 35 are therefore, S. $89^{\circ}51'W.$, 39.99 chs.

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

4.

Chains

West, on random line, S. of original sec. 34 (E. $\frac{1}{2}$).25.39 A point 5 lks. N. of the closing cor. of secs. 2 and 3,
T. 4 N., R. 13 E.39.56 A point 8 lks. N. of the original std. $\frac{1}{4}$ sec. cor.True course and dist. of E. $\frac{1}{2}$ of original S. bdy. of sec.
34 are therefore, S. $89^{\circ}53'W.$, 39.56 chs., and the
closing cor. is on line.

Thence

West, on random line, S. of original sec. 34 (W. $\frac{1}{2}$).39.97 A point 14 lks. N. of original std. cor. of secs. 33 and
34.True course and dist. of W. $\frac{1}{2}$ of original S. bdy. of sec.
34 are therefore, S. $89^{\circ}48'W.$, 39.97 chs.West, on random line, S. of original sec. 33 (E. $\frac{1}{2}$).25.33 A point 4 lks. N. of the closing cor. of secs. 3 and 4,
T. 4 N., R. 13 E.39.94 A point 6 lks. N. of the original std. $\frac{1}{4}$ sec. cor.True course and dist. of E. $\frac{1}{2}$ of original S. bdy. of sec.
33 are therefore, S. $89^{\circ}55'W.$, 39.94 chs., and the
closing cor. is on line.

Thence

West, on random line, S. of original sec. 33 (W. $\frac{1}{2}$).39.96 A point 12 lks. N. of original std. cor. of secs. 32 and
33.True course and dist. of W. $\frac{1}{2}$ of original S. bdy. of sec.
33 are therefore, S. $89^{\circ}50'W.$, 39.96 chs.West, on random line, S. of original sec. 32 (E. $\frac{1}{2}$).25.36 A point 2 lks. N. of the closing cor. of secs. 4 and 5,
T. 4 N., R. 13 E.39.78 A point 3 lks. N. of the original std. $\frac{1}{4}$ sec. cor.True course and dist. of E. $\frac{1}{2}$ of original S. bdy. of sec.
32 are therefore, S. $89^{\circ}57'W.$, 39.78 chs., and the
closing cor. is on line.

Thence

West, on random line, S. of original sec. 32 (W. $\frac{1}{2}$).40.06 A point 3 lks. N. of original std. cor. of secs. 31 and
32.True course and dist. of W. $\frac{1}{2}$ of original S. bdy. of sec.
32 are therefore, S. $89^{\circ}57'W.$, 40.06 chs.West, on random line, S. of original sec. 31 (E. $\frac{1}{2}$).25.55 A point 4 lks. N. of the closing cor. of secs. 5 and 6,
T. 4 N., R. 13 E.

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

BOOK 1200

5.

Chains

40.00

A point 7 lks. N. of the original std. $\frac{1}{4}$ sec. cor.

True course and dist. E. $\frac{1}{2}$ of original S. bdy. of sec. 31 are therefore, S. $89^{\circ}54'W.$, 40.00 chs. and the closing cor. is on line.

Thence

West, on random line, S. of original sec. 31 (W. $\frac{1}{2}$).

39.94

A point 3 lks. N. of the original std. cor. of Ts. 5 N., Rs. 12 and 13 E.

True course and dist. of W. $\frac{1}{2}$ of original S. bdy. of sec. 31 are therefore, S. $89^{\circ}57'W.$, 39.94 chs.

Resurvey.

The std. cor. of Ts. 5 N., Rs. 13 and 14 E., reconstructed in original position, under this group, is an iron post, 3 ins. in diam., projecting 8 ins. above ground, firmly set, marked on brass cap, and witnessed as described in the field notes of survey of West bdy. of T. 5 N., R. 14 E.

Thence, N. $89^{\circ}53'W.$, on true line, on S. bdy. of sec. 36 (E. $\frac{1}{2}$).

Over rolling land, thru scattering timber and undergrowth.

Ascend 10 ft. over SE. slope.

8.00 Spur, slopes S. $30^{\circ}W.$; desc. 81 ft. over W. slope.

12.25 Rocky wash, course S. $30^{\circ}W.$; asc. 25 ft. over SE. slope.

17.91 Desc. slightly over W. slope.

22.61 Rocky wash, course S. $10^{\circ}E.$; asc. 21 ft. over SE. slope to

25.33 Intersect the closing cor. of Ts. 4 N., Rs. 13 and 14 E., which is an igneous rock, 6x12x8 ins. above ground, firmly set, marked with 6 grooves on each of E., W. and S. faces and witnessed by mound of stone S. There is no remaining evidence of the record bearing tree NW. of cor.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 3 ins. in diam., 28 ins. in the ground, with old stone reset alongside, for closing cor. of Ts. 4 N., Rs. 13 and 14 E., with brass cap marked

T5N	R13E
S36	
S1	S6
R13E	R14E
T4N	
CC	

1938

No bearing trees available, rebuild the mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Asc. 15 ft. over SE. slope.

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

6.

Chains

33.50 Spur, slopes S. 40°W. Enter mountainous land, desc. 80 ft. over NW. slope to

39.92 The std. $\frac{1}{4}$ sec. cor. of sec. 36, which is a volcanic rock, 6x8x6 ins. above ground, firmly set, marked " $\frac{1}{4}$ " on N. face, and witnessed by small mound of stone N. There is no remaining evidence of the record bearing tree SE. of cor.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with old stone reset alongside, for std. $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap marked

SC
 $\frac{1}{4}$ S36

1938

No bearing trees available, rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence,

S. 89°54'W., on true line, on S. bdy. of sec. 36 (W. $\frac{1}{2}$).

Over rolling land, thru scattering timber and undergrowth.

Desc. slightly over NW. slope.

0.40 Rocky wash, course S. 20°W.; asc. slightly over SE. slope.

2.60 Desc. 63 ft. over SW. slope.

9.25 Drift fence, bears N. 30°E. and S. 30°W.

15.96 Rocky wash, course S.; asc. slightly over E. slope.

18.77 Desc. 15 ft. over SW. slope.

22.80 Wash, course S. 50°W. Enter mountainous land; asc. 185 ft. over E. slope.

37.70 Spur, slopes S. from NW.; desc. 33 ft. over steep SW. slope to

39.99 The std. cor. of secs. 35 and 36, which is an igneous stone, 14x12x8 ins. above ground, firmly set, marked with 1 groove on E. face and 5 grooves on W. face, and witnessed by a small mound of stone N. There is no remaining evidence of the record NW. bearing tree.

Reconstruct this corner monument as follows:

Remove the old corner 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 stone reset alongside and in a mound of stone to top, for std. cor. of secs. 35 and 36, with brass cap marked

S C
T5N | R13E
S35 | S36

1938

No bearing trees available.

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E. BOOK 100

7.

Chains

Ranch house on "A-Cross" ranch, bears S. 3° 15' W.

Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde.
Undergrowth, greasewood and cacti.

S. 89°49'W., on true line, on S. bdy. of sec. 35.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 12 ft. over steep S. slope.

5.00 Desc. 294 ft. over steep SW. slope to closing cor.

6.49 Ranch house on "A-Cross" ranch, bears S. 5°43'E.

25.22 Intersect the closing cor. of secs. 1 and 2, which is an igneous stone 6x20x10 ins. above ground, firmly set, marked "CC" on S. face, 1 groove on E. face and 6 grooves on W. face and witnessed by mound of stone S. There is no remaining evidence of the record bearing tree SE. of cor.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with old stone reset alongside, for closing cor. of secs. 1 and 2, with brass cap marked

T5N	R13E
S35	
32	31
T4N	R13E
CC	

1938

No bearing trees available, rebuild mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Desc. 135 ft. over steep SW. slope.

26.44 Pipe line, 2 ins. in diam., bears S. 60°E. and N. 60°W.

35.45 U.S. Forest Service road, bears N. 10°W. and S. 10°E.

35.75 Fence, bears N. 10° W. and S. 10° E.

37.18 Enter rolling land; desc. 12 ft. over gradual SW. slope to

39.70 The original std. $\frac{1}{4}$ sec. cor. of sec. 35, which is an igneous stone, 10x12x8 ins. above ground, firmly set, marked " $\frac{1}{4}$ " on N. face and witnessed by mound of stone N. There is no remaining evidence of either of the two record bearing trees, NE. and SW. of cor. Obliterate the marking on the stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground; with old stone reset alongside, for angle point, with brass cap marked

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

8

Chains

AP
T5N R13E
S35

1938

No bearing trees available, rebuild the mound of stone,
3 ft. base, 2 ft. high, N. of cor.

Thence

S. $89^{\circ}51'W.$, on true line, continuing measurement of S.
bdy. of sec. 35. Desc. slightly over SW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground, for std. $\frac{1}{4}$ sec. cor. of sec. 35, with brass
cap marked

SC
 $\frac{1}{4}$ S35

1938

No bearing trees available.

Raise a mound of stone, $4\frac{1}{2}$ ft. base, 3 ft. high, N. of
cor.

Cor. No. 1 of Forest Homestead Entry Survey No. 404,
bears N. $30^{\circ}42'W.$, 21.31 chs. dist. which is a diorite
stone 12x8x10 ins. above ground, firmly set, marked
and witnessed as described in the official record.

Continue over rolling land, thru scattering timber and
undergrowth.

Desc. 69 ft. over SW. slope.

40.80 Civilian Conservation Corps camp, bears S. about 14 chs.
dist.

49.16 Pipe line, 2 ins. in diam., bears S. $1^{\circ}E.$ to C.C.C. camp
and N. $1^{\circ}W.$ about 26 chs. dist. to storage tanks.

51.06 U.S.F.S. "A-Cross" Ranger Station, bears S., 5.00 chs.

51.56 U.S. Forest Service telephone line, bears N. and S.

52.26 Fence, bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$

60.03 Wash, 20 lks. wide, course S. $60^{\circ}W.$; asc. 127 ft. over
SE. slope.

75.82 Spur, slopes S.; desc. 32 ft. over W. slope to

79.69 The original std. cor. of secs. 34 and 35, which is an
igneous stone, 12x12x8 ins. above ground, firmly set,
marked with 2 grooves on E. face and 4 grooves on W.
face, and witnessed by a mound of stone N. There is
no remaining evidence of the record bearing tree NE. of
cor. Obliterate the marking on the stone.

Reconstruct this cor. monument with altered reference as
follows:

Remove the old corner stone and in same place, set an
iron post, 3 ft. long, 1 in. in diam., 28 ins. in the
ground, with old stone reset alongside, for angle point,
with brass cap marked

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

ECON 230

9.

Chains

A P.
T5N R13E
S35

1938

No bearing trees available.

Rebuild the mound of stone, 3 ft. base, 2 ft. high,
N. of cor.

Thence

S. 89°53'W., on true line, continuing measurement of S.
bdy. of sec. 35.

Desc. slightly over W. slope to

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

S C
T5N R13E
S34 S35

1938

No bearing trees available.

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of
cor.Land, mountainous and rolling.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde.
Undergrowth, greasewood and cacti.

S. 89°53'W., on true line, on S. bdy. of sec. 34.

Over rolling land, thru scattering timber and under-
growth.

Desc. 70 ft. over W. slope.

9.60 Fence, at gate, bears N. 60° E. and S. 60° E.

9.65 Foot of descent. Thence over nearly level land, ascend-
ing very gradual SE. slope.

12.95 U.S. Forest Service road, bears N. 60° E. and S. 10° W.

21.60 Rounded rim, bears NE. and SW. Enter mountainous land,
desc. 55 ft. over NW. slope to closing cor. of secs.
2 and 3.23.83 Fence, bears N. and S. This fence at 150 lks. N. of
this point turns to N. 70° W.25.08 Intersect the closing cor. of secs. 2 and 3, which is an
igneous stone, 8x10x6 ins. above ground firmly set,
marked "CC" on S. face, 2 grooves on E. face and 4
grooves on W. face. There is no remaining evidence
of the record bearing tree NE. of cor.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, set an

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

Chains

iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with old stone reset alongside, for closing cor. of secs. 2 and 3, with brass cap marked

T5N	R13E
<u>S34</u>	
S3	S2
T4N	R13E
CC	

1938

No bearing trees available.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Desc. 147 ft. over NW. slope.

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

34.85 Cottonwood Wash, 25 lks. wide, course S. 40° W. Leave mountainous and enter gently rolling land. Asc. 12 ft. over SE. slope.

37.08 Desc. gradually over SW. slope to

39.25 The original std. 1/4 sec. cor. of sec. 34, which is an igneous stone, 6x8x6 ins. above ground, firmly set, marked "1/4" on N. face, and witnessed by a mound of stone N. There is no remaining evidence of either of the two record bearing trees NW. and SE. of cor. Obliterate marking on stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with old stone reset alongside, for angle point, with brass cap marked

A P	
T5N	R13E
<u>S34</u>	

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence

S. 89°48'W., on true line, continuing measurement of S. bdy. of sec. 34.

Desc. slightly over SW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock with a stone 3x8x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for std. 1/4 sec. cor. of sec. 34, with brass cap marked

SC	
<u>1/4 S34</u>	

1938

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

BOOK 4190

11

Chains	<p>No bearing trees available.</p> <p>Continue over gently rolling land.</p> <p>Desc. 15 ft. over SW. slope.</p> <p>41.50 Fence, bears N. 10° E. and S. 10° W.</p> <p>47.05 Sandy wash, course S. 20° W.; asc. slightly over SE. slope.</p> <p>49.90 Desc. 25 ft. over SW. slope.</p> <p>56.65 Fence, bears N. and S.</p> <p>66.75 Rocky wash, course S. 20° W.; asc. slightly over SE. slope.</p> <p>72.69 Desc. 9 ft. over SW. slope.</p> <p>76.85 Connor Wash, 20 lks. wide, course S.; asc. gradually over SE. slope to</p> <p>79.22 The original std. cor. of secs. 33 and 34, which is a feldspathic stone, 8x12x8 ins. above ground, firmly set, marked with 3 grooves on each of E. and W. faces and witnessed by a mound of stone N. There is no remaining evidence of any of the three record bearing trees NE. and SW. of cor. Obliterate marks on stone.</p> <p>Reconstruct this cor. monument with altered reference as follows:</p> <p>Remove the old corner stone and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, with old stone reset alongside, for angle point, with brass cap marked</p> <div style="text-align: center;"> <p>A P</p> <p>T5N R13E</p> <p><u>S34</u></p> <p>1938</p> </div> <p>No bearing trees available.</p> <p>Rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Thence</p> <p>S. 89°55' W., on true line, continuing measurement of S. bdy. of sec. 34.</p> <p>Ascend 8 ft. over SE. slope to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for std. cor. of secs. 33 and 34, with brass cap marked.</p> <div style="text-align: center;"> <p>S C</p> <p>T5N R13E</p> <p><u>S33 S34</u></p> <p>1938</p> </div> <p>No bearing trees available.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>
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RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

12

Chains	<p>Land, rolling, nearly level, mountainous and gently rolling. Soil, rocky, 3rd and 4th rates. Timber, palo verde and cottonwood. Undergrowth, greasewood and cacti.</p>										
	<p>S. 89°55'W., on true line, on S. bdy. of sec. 33. Over rolling land, thru scattering timber and undergrowth. Asc. 8 ft. over SE. slope.</p>										
0.80	Desc. 35 ft. over W. slope.										
8.52	Wash, 20 lks. wide, course S.; asc. 132 ft. over E. slope to										
23.68	Rounded rim bears N. and S. Thence over nearly level land.										
24.55	<p>Intersect the closing cor. of secs. 3 and 4, which is a feldspathic stone, 6x10x6 ins. above ground, firmly set, marked CC on S. face and 3 grooves on each of E. and W. faces and witnessed by a mound of stone S.</p> <p>Reconstruct this cor. monument as follows:</p> <p>Remove the old corner stone and in same place, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with old stone reset alongside, for closing cor. of secs. 3 and 4, with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr><td>T5N</td><td>R13E</td></tr> <tr><td>S33</td><td></td></tr> <tr><td>S4</td><td>S3</td></tr> <tr><td>T4N</td><td>R13E</td></tr> <tr><td>CC</td><td></td></tr> </table> <p>1938</p> </div> <p>No bearing trees available.</p> <p>Rebuild the mound of stone, 5 ft. base, 3 ft. high, S. of cor.</p> <p>Continue over nearly level land.</p>	T5N	R13E	S33		S4	S3	T4N	R13E	CC	
T5N	R13E										
S33											
S4	S3										
T4N	R13E										
CC											
39.16	<p>The original std. $\frac{1}{4}$ sec. cor. of sec. 33, which is an igneous stone, 6x10x6 ins. above ground, firmly set, marked "$\frac{1}{4}$" on N. face, and witnessed by a mound of stone N. There is no remaining evidence of the record bearing tree NW. of cor. Obliterate marks on stone.</p> <p>Reconstruct this cor. monument with altered reference as follows:</p> <p>Remove the old corner stone, and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with old stone reset alongside, for angle point, with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr><td>A P</td><td></td></tr> <tr><td>T5N</td><td>R13E</td></tr> <tr><td>S33</td><td></td></tr> </table> <p>1938</p> </div> <p>No bearing trees available.</p>	A P		T5N	R13E	S33					
A P											
T5N	R13E										
S33											

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

BOOK 4190

13

Chains

Rebuild the mound of stone, 3 ft. base, 3 ft. high, N. of cor.

Thence

S. $89^{\circ}50'$ W., on true line, continuing measurement of S. bdy. of sec. 33.

Continue over nearly level land.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for std. $\frac{1}{4}$ sec. cor. of sec. 33, with brass cap marked

SC
 $\frac{1}{4}$ S33

1938

No bearing trees available.

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

Continue over nearly level land, thru scattering timber and undergrowth.

47.84 Dim road, bears N. and S.

53.16 Rounded rim, bears N. and S. Leave nearly level and enter mountainous land; desc. 159 ft. over W. slope to

63.21 Foot of steep descent, bears N. and S.; thence over gently rolling land. Desc. gradually over W. slope.

66.81 Schell Wash, 25 lks. wide, course S. 20° W.; thence over S. slope.

77.31 Wash, course S. Asc. gradually over E. slope to

79.12 The original std. cor. of secs. 32 and 33, which is an igneous stone, 6x6x6 ins. above ground, firmly set, marked with 4 grooves on E. face and 2 grooves on W. face. No accessories. Obliterate marks on stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone and in same place, 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, with old stone reset alongside, for angle point, with brass cap marked

A P
T5N R13E
S33

1938

No bearing trees available.

Thence S. $89^{\circ}57'$ W., on true line, continuing measurement of S. bdy. of sec. 33.

Over mountainous land. Asc. 22 ft. over steep E. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

14

Chains	<p>the ground, to bedrock, with a stone, 4x6x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for std. cor. of secs. 32 and 33, with brass cap marked</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">S C</td></tr> <tr><td>T5N</td><td>R13E</td></tr> <tr><td>S32</td><td>S33</td></tr> </table> <p>1938</p> <p>No bearing trees available.</p> <p>Land, rolling, nearly level, gently rolling and mountainous. Soil, rocky, 3rd and 4th rates. Timber, palo verde and cottonwood. Undergrowth, greasewood and cacti.</p> </div>	S C		T5N	R13E	S32	S33				
S C											
T5N	R13E										
S32	S33										
1.95	<p>S. 89°57' W., on true line, on S. bdy. of sec. 32.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Asc. 122 ft. over steep E. slope.</p> <p>U.S. Forest Service telephone line, bears N. 80° W. and S. 80° E.</p>										
5.42	<p>Rim, bears N. and S. Thence over gently rolling land. Asc. 20 ft. over E. slope.</p>										
17.82	<p>Dim road, bears N. and S.</p>										
20.50	<p>Desc. 10 ft. over W. slope to</p>										
22.68	<p>Rounded rim bears N. and S. Leave gently rolling and enter mountainous land. Desc. 18 ft. over W. slope to</p>										
24.48	<p>Intersect the closing cor. of secs. 4 and 5, which is an igneous rock, 9x12x6 ins. above ground, firmly set, marked CC on S. face, 2 grooves on W. face and 4 grooves on E. face. No accessories.</p> <p>Reconstruct this cor. monument as follows:</p> <p>Remove the old corner stone and in same place, 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, with old stone reset alongside, for closing cor. of secs. 4 and 5 with brass cap marked</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T5N</td><td>R13E</td></tr> <tr><td>S32</td><td></td></tr> <tr><td>S5</td><td>S4</td></tr> <tr><td>T4N</td><td>R13E</td></tr> <tr><td>CC</td><td></td></tr> </table> <p>1938</p> <p>No bearing trees available.</p> <p>Desc. 240 ft. over steep W. slope.</p> </div>	T5N	R13E	S32		S5	S4	T4N	R13E	CC	
T5N	R13E										
S32											
S5	S4										
T4N	R13E										
CC											
36.62	<p>Foot of steep descent bears N. and S. Leave mountainous and enter gently rolling land. Desc. gradually over W. slope.</p>										
38.22	<p>Dim road, bears N. and S.</p>										

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

BOOK 4190

15

Chains

38.90

The original std. $\frac{1}{4}$ sec. cor. of sec. 32, which is an igneous stone, 8x10x4 ins. above ground, firmly set, marked " $\frac{1}{4}$ " on N. face and witnessed by a mound of stone N. There is no remaining evidence of the two record bearing trees NW. of cor. Obliterate marks on stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone, and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with old stone reset alongside, for angle point, with brass cap marked

A P
T5N R13E
S32

1938

No bearing trees available.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence

S. 89°57' W., on true line, continuing measurement of S. bdy. of sec. 32.

Desc. gradually over W. slope.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 2x4x9 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for std. $\frac{1}{4}$ sec. cor. of sec. 32, with brass cap marked

SC
 $\frac{1}{4}$ S32

1938

No bearing trees available.

40.42

Armer Wash, 30 lks. wide, course S.; asc. gradually over E. slope to

44.20

Leave gently rolling and enter mountainous land; asc. 155 ft. over E. slope to

59.80

Rounded rim, bears N. and S.; thence over nearly level land.

62.50

Dim road, bears N. and S.

70.80

Fence, bears N. 15° E. and S. 15° W.

78.96

The original std. cor. of secs. 31 and 32, which is an igneous stone, 8x10x4 ins. above ground, firmly set, marked with 5 grooves on E. face and 1 groove on W. face and witnessed by a mound of stone N. Obliterate marks on stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone, and in same place, set an

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

Chains

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, with old stone reset alongside, for angle point, with brass cap marked

A P.
T5N R13E
S32

1938

No bearing trees available.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence

S. 89°54' W., on true line, continuing measurement of S. bdy. of sec. 32.

Continue over nearly level land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for std. cor. of secs. 31 and 32, with brass cap marked

S C
T5N R13E
S31 S32

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Land, mountainous, gently rolling and nearly level. Soil, rocky, 3rd and 4th rates. Timber, palo verde and cottonwood. Undergrowth, greasewood and cacti.

S. 89°54' W., on true line, on S. bdy. of sec. 31.

Over nearly level land, thru scattering timber and undergrowth.

23.36 Rounded rim, bears NE. and SW. Leave nearly level and enter rolling land. Desc. 14 ft. over NW. slope to

24.51 Intersect the closing cor. of secs. 5 and 6, which is an igneous stone, 4x12x8 ins. above ground, firmly set, marked CC on S. face, 1 groove on W. face and 5 grooves on E. face. No accessories.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, 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 closing cor. of secs. 5 and 6, with brass cap marked

T5N R13E
S31
S6 S5
T4N R13E
CC

1938

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

BOOK 4190

17

Chains

No bearing trees available.

Desc. 108 ft. over NW. slope to

38.96 The original std. $\frac{1}{4}$ sec. cor. of sec. 31, which is a feldspathic stone, 5x8x6 ins. above ground, firmly set marked " $\frac{1}{4}$ " on N. face and witnessed by a mound of stone N. There is no remaining evidence of the record bearing tree NW. of cor. Obliterate marking on stone.

Reconstruct this cor. monument with altered reference as follows:

Remove the old corner stone, and in same place, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with old stone reset alongside, for angle point, with brass cap marked

A P
T5N R13E
S31

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence

S. 89°57' W., on true line, continuing measurement of S. bdy. of sec. 31.

Desc. slightly over NW. slope to $\frac{1}{4}$ sec. cor.

39.44 Fence, bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for std. $\frac{1}{4}$ sec. cor. of sec. 31 with brass cap marked

SC
 $\frac{1}{4}$ S31

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Desc. 30 ft. over NW. slope to

51.56 Foot of descent. Thence along N. slope.

57.36 Improved county road, bears N. 40° W. and S. 50° E. Asc. 92 ft. over NE. slope to

78.90 The std. cor. of Ts. 5 N., Rs. 12 and 13 E., which is a feldspathic stone, 15x15x12 ins. above ground firmly set, marked SC and 6 grooves on N. face and 6 grooves on each of E. and W. faces, and witnessed by a mound of stone N.

Reconstruct this cor. monument as follows:

Remove the old corner stone and in same place, set an iron post, 3 ft. long, 3 ins. in diam., 28 ins. in the ground, with old stone reset alongside, for std. cor. of Ts. 5 N., Rs. 12 and 13 E., with brass cap marked

RESURVEY: 1st STANDARD PARALLEL NORTH THRU R. 13 E.

18

Chains

S C	
T5N	
R12E	R13E
S36	S31

1938

No bearing trees available.

Rebuild the mound of stone, 4 ft. base, 3 ft. high, N. of cor.

Land, nearly level and rolling.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde

Undergrowth, greasewood and cacti.

SURVEY: NORTH BOUNDARY OF T. 5 N., R. 13 E.

BOOK 4180

19

Chains

From the cor. of Ts. 5 and 6 N., Rs. 13 and 14 E.

West, on random line, setting temp. $\frac{1}{4}$ sec. and sec. cors., alternately, at 40 ch. intervals, and at

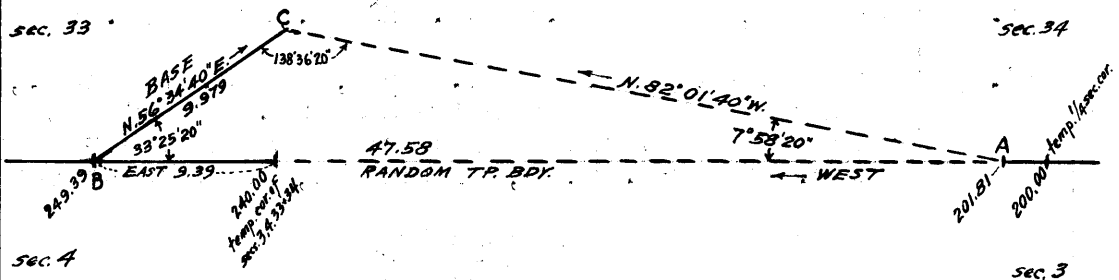
201.81 Discontinue chaining owing to precipitous slopes ahead and triangulate as follows:

Designate 201.81 ch. station as "A" and set a flag "B" ahead on line, the vertical angle to which is $-24\frac{1}{2}^\circ$.

From flag "B", measure a base N. $56^\circ 34' 40''$ E., 9.979 chs. and set a flag "C".

Bearing from point "A" to flag "C" is N. $82^\circ 01' 40''$ W.

Included angles of triangle "A-B-C" are $7^\circ 58' 20''$, $33^\circ 25' 20''$ and $138^\circ 36' 20''$, the sum of which is $180^\circ 00'$.



Chained dist. on random line from Tp. cor. to "A"	=	201.81 chs.
Triangulated distance on random line "A" to "B"	=	47.58 chs.
Dist. on random line to "B"	=	249.39 chs.

From flag point "B" chain return measurement, East 9.39 chs. to

240.00 Set temp. cor. of secs. 3, 4, 33 and 34. Thence, West, on random line, continuing measurement from Tp. cor., setting temp. $\frac{1}{4}$ sec. and sec. cors., alternately, at 40 ch. intervals.

249.39 Triang. flag point "B".

477.95 Intersect N. and S. line at a point 84 lks. N. of the cor. of Ts. 5 and 6 N., Rs. 12 and 13 E., which is a sandstone, 10x10x5 ins. above ground, firmly set, marked and witnessed as described in the official record of the survey of the 3rd Guide Meridian East by J.B.Wright, U.S. Deputy Surveyor, in 1910.

Thence

N. $89^\circ 54'$ E., on true line, bet. secs. 6 and 31.

Over mountainous land, thru scattering timber and undergrowth.

Desc. 370 ft. over SE. slope.

20.33 Wash. course NE. in bottom of canyon, asc. 194 ft. over NW. slope to

37.95 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock with a stone 6x6x4 ins. marked with a cross (+) deposited at base, and in mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked

Chains

$$\frac{1}{4} \frac{S31}{S6}$$

1938

from which

A juniper, 12 ins. in diam., bears N. 23½° E., 88 lks. dist., marked ¼ S31 BT.

A juniper, 8 ins. in diam., bears S. 21° E., 14 lks. dist., marked ¼ S6 BT.

Asc. 30 ft. over NW. slope to

40.70 West rim of Thompson Mesa, bears NE. and SW. Leave mountainous and enter gently rolling land on mesa.

Asc. 30 ft. over SW. slope.

57.00 Desc. 42 ft. over SE. slope.

73.95 Cut wash, course S.; asc. 20 ft. over SW. slope to

77.95 Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock with a stone 10x8x8 ins. marked with a cross (+) deposited at base and in mound of stone to top, for cor. of secs. 5, 6, 31 and 32, with brass cap marked

T6N	R13E
S31	S32
S6	S5
T5N	

1938

from which

An oak, 8 ins. in diam., bears S. 84½° W., 366 lks. dist. marked T5N R13E S6 BT.

An oak, 12 ins. in diam., bears N. 74½° W., 392 lks. dist. marked T6N R13E S31 BT.

No other bearing trees available.

Land, W. ½ mountainous, E. ½ gently rolling.

Soil, rocky, 3rd and 4th rates.

Timber, oak and juniper.

Undergrowth, oakbrush.

N. 89°54' E., on true line, bet. secs. 5 and 32.

Over rolling land on Thompson Mesa thru scattering timber and undergrowth. Asc. 75 ft. over SW. slope.

12.85 Desc. 25 ft. over SE. slope.

24.20 Cut wash, course S.; asc. 55 ft. over NW. slope to

35.30 East rim of Thompson Mesa, bears NE. and SW. Leave mesa, and enter mountainous land and dense timber. Desc. 110 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone 4x4x4 ins. marked with a cross (+) deposited at base and in mound of stone to top, for ¼ sec. cor. with brass cap marked

$$\frac{1}{4} \frac{S32}{S5}$$

1938

Chains

from which

A juniper, 10 ins. in diam., bears S. $31\frac{1}{2}^{\circ}$ W., 9 lks. dist., marked $\frac{1}{4}$ S5 BT.

A juniper, 6 ins. in diam., bears N. 54° W., 52 lks. dist., marked $\frac{1}{4}$ S32 BT.

Desc. 319 ft. over SE. slope.

53.07 Armer Gulch, course SW. from N. A wire corral, 5x10 chs. bears N. 15 chs. dist. Asc. 67 ft. over SW. slope.

55.90 Desc. 15 ft. over SE. slope.

57.79 Wash, course S. 30° W.; asc. 99 ft. over NW. slope.

63.30 Spur, slopes S. 30° W.; desc. 40 ft. over SE. slope.

69.70 Wash, course S. 30° W.; asc. 171 ft. over NW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 25 ins. in the ground to bed rock, with a stone 4x4x4 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 4, 5, 32 and 33, with brass cap marked

T6N	R13E
S32	S33
S5	S4
T5N	

1938

from which

An oak, 6 ins. in diam., bears N. 74° E., 42 lks. dist., marked T6N R13E S33 BT.

An oak, 8 ins. in diam., bears S. 34° E., 98 lks. dist., marked T5N R13E S4 BT.

An oak, 10 ins. in diam., bears S. 4° W., 55 lks. dist., marked T5N R13E S5 BT.

An oak, 0 ins. in diam., bears N. 11° W., 45 lks. dist., marked T6N R13E S32 BT.

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, oak and juniper.

Undergrowth, oakbrush, palo negra, catclaw and buckbrush.

N. $89^{\circ}54'$ E., on true line, bet. secs. 4 and 33.

Over mountainous land, thru dense timber and undergrowth.

Asc. 110 ft. over NW. slope.

3.50 Spur, slopes SW.; desc. 60 ft. over SE. slope.

7.69 Wash, course S.; asc. 838 ft. over steep broken W. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock with a stone 8x4x4 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 33
S 4	
1938	

SURVEY: NORTH BOUNDARY OF T. 5 N., R. 13 E.

22

Chains

from which

- A juniper, 15 ins. in diam., bears S. 71° E., 84 lks. dist., marked $\frac{1}{4}$ S4 BT.
- No other bearing tree available.
- Asc. 13 ft. over W. slope.
- 42.00 Ridge, bears N. and S. An improved spring and stock tank bears S. $10\frac{3}{4}^{\circ}$ E. Desc. 258 ft. over E. slope.
- 56.11 Wash, course S.; asc. 69 ft. over SW. slope.
- 60.33 Spur, slopes S.; desc. 58 ft. over SE. slope.
- 65.08 Wash, course S.; asc. 108 ft. over SW. slope.
- 70.61 Spur, slopes S. An improved spring and stock tank bears S. $29\frac{1}{2}^{\circ}$ W. Flag point "B" of triangulation hereinbefore described, bears N. 42 lks. dist. Desc. 5 ft. over SE. slope.
- 73.89 Wash, course SW.; asc. 139 ft. over NW. slope to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground to bedrock with a stone 6x5x5 ins. marked with a cross (+) deposited at base, and in small mound of stone to top, for cor. of secs. 3, 4, 33 and 34, with brass cap marked

T6N	R13E
S33	S34
S4	S3
T5N	

1938

from which

- An oak, 8 ins. in diam., bears N. 47° E., 21 lks. dist., marked T6N R13E S34 BT.
- An oak, 10 ins. in diam., bears S. 46° E., 24 lks. dist., marked T5N R13E S3 BT.
- An oak, 6 ins. in diam., bears S. 25° W., 48 lks. dist., marked T5N R13E S4 BT.
- An oak, 5 ins. in diam., bears N. 65° W., 10 lks. dist., marked T6N R13E S33 BT.
- Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, oak and juniper.
Undergrowth, oakbrush, catclaw, el jerito, buckbrush and palo negri.

N. $89^{\circ}54'$ E., on true line, bet. secs. 3 and 34.

Over mountainous land, thru dense timber and undergrowth.

Asc. 1110 ft. over precipitous broken, rocky, NW. and W. slopes.

Measurement by triangulation, hereinbefore described.

- 38.19 Triangulation point "A" bears N. 35 lks. dist. Resume chaining, continuing line and measurement. Asc. 13 ft. over W. slope to

Chains	
40.00	<p>Base of sheer cliffs, bearing N. and S., facing W.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock with a stone 4x6x6 ins. marked with a cross (+) deposited at base, and in mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> $\frac{1}{4} \frac{S \ 34}{S \ 3}$ <p>1938</p> <p>No bearing trees available.</p> <p>Asc. 70 ft. over face of cliffs to</p>
40.20	<p>Top of cliffs, bearing N. and S. facing W.; asc. 237 ft. over NW. slope to</p>
49.03	<p>Top of Armer Mountain bears N. and S.; drainage divide bet. Rose Creek and Armer Gulch; desc. 370 ft. over E. and NE. slopes to</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap marked</p> $\begin{array}{c c} T6N & R13E \\ S34 & S35 \\ \hline S3 & S2 \\ T5N & \end{array}$ <p>1938</p> <p style="text-align: right;">from which</p> <p>A pine, 8 ins. in diam., bears N. 3° E., 54 lks. dist., marked T6N R13E S35 BT.</p> <p>An oak, 12 ins. in diam., bears S. 67° E., 31 lks. dist., marked T5N R13E S2 BT.</p> <p>A pine, 14 ins. in diam., bears S. 29° W., 57 lks. dist., marked T5N R13E S3 BT.</p> <p>An oak, 12 ins. in diam., bears N. 35° W., 20 lks. dist., marked T6N R13E S34 BT.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, oak, pine and juniper. Undergrowth, oakbrush, el jerito, buckbrush and manzanita.</p>
	<p>N. 89° 54' E., on true line, bet. secs. 2 and 35.</p> <p>Over mountainous land, thru dense timber and undergrowth.</p> <p>Desc. 23 ft. over NE. slope to</p>
0.40	<p>Top of bluff 30 ft. high, bearing NW. and SE. facing NE. From foot of bluff desc. 454 ft. over steep NE. slope to</p>
16.26	<p>Fork of Rose Creek, course NE.; asc. 73 ft. over NW. slope.</p>
21.40	<p>Point of spur, slopes N. 30° W.; desc. 166 ft. over NE. slope to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in</p>

Chains

the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S 35}{S 2}$$

1938

from which

A pine, 10 ins. in diam., bears S. $25\frac{1}{2}^{\circ}$ W., 28 lks. dist., marked $\frac{1}{4}$ S2 BT.A pine, 12 ins. in diam., bears N. 65° W., 54 lks. dist., marked $\frac{1}{4}$ S35 BT.

Desc. 42 ft. over NE. slope.

44.00 Wash, course N. 30° E.; asc. 48 ft. over NW. slope.

47.10 Point of spur, slopes N.; desc. 230 ft. over NE. slope.

70.45 Wash, course N. 30° W.; asc. 47 ft. over NW. slope.

74.30 Spur, slopes N.; desc. 88 ft. over E. slope.

78.95 Dim trail, bears N. 30° W. and S. 30° E.

79.00 Wash, course N.; asc. 32 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. 1, 2, 35 and 36, with brass cap marked

T6N	R13E
S35	S36
S2	S1
T5N	

1938

from which

A black oak, 5 ins. in diam., bears N. 36° E., 22 lks. dist., marked T6N R13E S36 BT.A white oak, 5 ins. in diam., bears S. $59\frac{3}{4}^{\circ}$ E., 24 lks. dist., marked T5N R13E S1 BT.A pine, 27 ins. in diam., bears S. $42\frac{3}{4}^{\circ}$ W., 65 lks. dist., marked T5N R13E S2 BT.A pine, 8 ins. in diam., bears N. $62\frac{3}{4}^{\circ}$ W., 56 lks. dist., marked T6N R13E S35 BT.

Land, mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, pine, oak and juniper.

Undergrowth, oakbrush, buckbrush, manzanita and el jerito.

N. $89^{\circ}54'$ E., on true line, bet. secs. 1 and 36.

Over mountainous land, thru dense timber and undergrowth.

Asc. 7 ft. over NW. slope.

0.98 Spur, slopes N.; desc. 32 ft. over NE. slope.

2.39 Wash, course N.; asc. 161 ft. over NW. slope.

9.95 Ridge, bears N. 30° E. and S. 30° W.; drainage divide bet. Rose Creek and Connor Canyon. Desc. 51 ft. over SE. slope.

SURVEY: NORTH BOUNDARY OF T. 5 N., R. 13 E.

BOOK 4100

25

Chains	
23.00	County road (Globe-Young) bears N. 30° E. and S. 45° W.
23.70	Connor Canyon, course SW., about 10 chs. below head of same, in gap of mountains; asc. 95 ft. over SW. slope to $\frac{1}{4}$ sec. cor.
27.70	U.S. Forest Service telephone line, bears N. 30° E. and S. 30° W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 36 \\ S 1 \end{array}$
	1938
	from which
	A pine, 20 ins. in diam., bears S. 24 $\frac{1}{2}$ ° W., 22 lks. dist., marked $\frac{1}{4}$ S1 BT.
	A pine, 8 ins. in diam., bears N. 41° W., 32 lks. dist., marked $\frac{1}{4}$ S36 BT.
	Asc. 7 ft. over SW. slope.
41.20	Ridge, bears NW. and SE.; drainage divide bet. Rose Creek and Connor Canyon; thence along N. slope, ascending 20 ft. to
50.74	Fork of Rose Creek, course N. 60° W.; asc. 674 ft. over W. and NW. slopes to
80.00	The cor. of Ts. 5 and 6 N., Rs. 13 and 14 E., established under this group as described in the field notes of survey of west bdy. of T. 5 N., R. 14 E.
	Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, pine, oak and juniper. Undergrowth, oakbrush, buckbrush, manzanita and el. jerito.

Survey: SUBDIVISION OF T. 5 N., R. 13 E.

26

Chains

Commence the subdivisional survey of T. 5 N., R. 13 E. at the std. cor. of secs. 35 and 36, on S. bdy. of Tp. (1st Std. Par. N.) hereinbefore described.

Thence

N. 0°01'W., bet. secs. 35 and 36.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 351 ft. over steep S. and SW. slopes.

12.00 Spur, slopes SE.; desc. 150 ft. over steep NE. slope.

24.00 Ravine, course E.; asc. 122 ft. over SE. slope.

34.50 East side of saddle in ridge, bearing NE. and SW.; desc. 14 ft. along 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 mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S35 | S36
1938

from which

A juniper, 5 ins. in diam., bears N. 18° E., 86 lks. dist., marked $\frac{1}{4}$ S36 BT.

A juniper, 5 ins. in diam., bears N. 14° W., 208 lks. dist., marked $\frac{1}{4}$ S35 BT.

Desc. 10 ft. along W. slope to

47.50 Desc. 224 ft. over NW. slope.

59.35 Ravine, course W.; heads 3.00 chs. E.; asc. 39 ft. over SW. slope.

63.60 Short spur, slopes W.; desc. 140 ft. over NW. slope.

78.50 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for witness cor. to cor. of secs. 25, 26, 35 and 36, with brass cap marked

WC
T5N | R13E
S26 | S25
S35 | S36

1938

No bearing trees available.

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

79.00 Foot of descent, bears NE. and SW.; thence across bottom of canyon, course SW.

80.00 True point for cor. of secs. 25, 26, 35 and 36, falls in bottom of canyon, where it is impracticable to monument the cor., therefore establish witness cor. 150 lks. S. 0°01'E. as hereinbefore described.

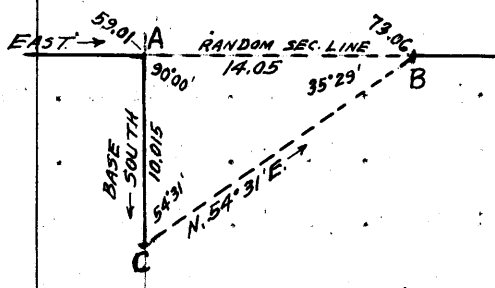
Chains

Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde, mesquite and juniper.
Undergrowth, oakbrush, catclaw, sangre de cristo, greasewood and cacti.

From true point for cor. of secs. 25, 26, 35 and 36,
East, on random line, bet. secs. 25 and 36.

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

59.01 Discontinue chaining at this point owing to cliffs ahead, over which chaining is impracticable. Triangulate measurement of random section line to top of cliffs as follows:



Designating 59.01 ch. station as "A", set flag ahead on random line at top of cliffs at point "B", the vertical angle to which from "A" is $+ 24\frac{1}{2}^\circ$.

From point "A" chain a base South, 10.015 chs. to point "C" from which flag "B" bears N. $54^\circ 31' E$.

Included angles of triangle A-B-C are $90^\circ 00'$, $35^\circ 29'$ and $54^\circ 31'$, the sum of which is $180^\circ 00'$.

Chained dist. on random sec. line	=	59.01 chs. E.
Triangulated dist. A-B	=	14.05 chs. E.
Station "B"	=	73.06 chs. E.

73.06 Flag point "B", from which resume chaining, and continue line and measurement.

79.88 Intersect the cor. of secs. 25, 30, 31 and 36, on E. bdy. of the Tp. established under this group as described in field notes of west bdy. of T. 5 N., R. 14 E.

Thence

West, on true line, bet. secs. 25 and 36.

Over mountainous land, thru scattering timber and dense undergrowth.

Asc. 38 ft. along steep S. slope.

6.82 Top of cliffs, bearing NW. and SE. facing SW. (Triang. point "B"); desc. 378 ft. over cliffs on broken SW. slope. Measurement by triangulation, hereinbefore described.

10.88 (Approx.) Foot of cliff, about 200 ft. high, bearing NW. and SE. facing SW. Continue descent over steep broken SW. slope to

18.38 (Approx.) Foot of broken slope bears NW. and SE. Desc. about 25 ft. over SW. slope to

20.87 Triangulation point "A". Resume chaining and continue line and measurement. Desc. 30 ft. to

24.18 Wash, course S.; asc. 93 ft. over E. slope.

28.28 Spur, slopes S. $20^\circ E$.; desc. 70 ft. over SW. slope.

Chains

- 33.78 Ravine, course S.; asc. 144 ft. over E. slope to
- 39.94 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
- $\frac{1}{4}$ $\frac{S\ 25}{E\ 36}$
- 1938
- No bearing trees available.
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Asc. 25 ft. over E. slope.
- 41.68 Spur, slopes S.; desc. 120 ft. over SW. slope.
- 50.28 Head of ravine, course S.; asc. 40 ft. over SE. slope.
- 57.38 Ridge, bears NE. and SW.; desc. 38 ft. along N. slope to
- 65.08 Spur, slopes W. from SE.; desc. 30 ft. along top of same.
- 68.48 Leave top of spur, slopes SW. from E. Desc. 224 ft. over NW. slope.
- 79.08 Foot of descent bears NE. and SW.; thence across bottom of canyon.
- 79.88 True point for cor. of secs. 25, 26, 35 and 36. (W.C. 150 lks. S. $0^{\circ}01'$ E.)
- Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, mesquite, palo verde and juniper.
Undergrowth, oakbrush, catclaw, sangre de cristo, cacti and manzanita.
-
- From true point for cor. of secs. 25, 26, 35 and 36.
N. $0^{\circ}01'$ W., bet. secs. 25 and 26.
Over mountainous land, thru scattering timber and dense undergrowth.
Across bottom of canyon, course SW.
- 1.40 Wash 25 lks. wide, course SW.
- 8.20 Right edge of bottom of canyon, bears NE. and SW. Leave bottom of canyon. Asc. 274 ft. over broken SE. slope.
- 17.40 U.S. Forest Service telephone line, (2 wire) bears N. $29^{\circ}55'$ E. and S. $29^{\circ}55'$ W.
- 27.75 Spur, slopes SW.; desc. 200 ft. over broken NW. 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

$\frac{1}{4}$

S26 | S25

1938

from which

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

BOOK 4190
29

Chains

A juniper limb, 3 ins. in diam., bears S. 81° E.,
24 lks. dist., marked BT only.

A juniper, 7 ins. in diam., bears S. 70° W., 83
lks. dist., marked $\frac{1}{4}$ S26 BT.

Desc. 10 ft. over N. slope.

40.25 Wash 3 lks. wide, course W.; asc. 15 ft. over S. slope.

40.90 Point of spur, slopes W.; desc. 8 ft. over NW. slope.

42.60 Wash, 3 lks. wide, course SW.; asc. 192 ft. over SE. slope.

50.05 Spur, slopes SW.; desc. 142 ft. over NW. slope.

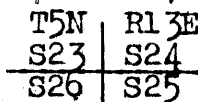
55.45 Wash, 5 lks. wide, course S. 60° W.; asc. 205 ft. over
SW. slope.

61.90 Spur, slopes W.; desc. 97 ft. over NW. slope.

66.20 Wash, 4 lks. wide, course W.; asc. 72 ft. over broken SW.
and W. slopes to sec. cor.

76.34 Drift fence (5 wire) bears S. 68 $\frac{1}{2}$ ° W. and N. 68 $\frac{1}{2}$ ° E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 17 ins. in
the ground to bedrock, and in a mound of stone to top,
for cor. of secs. 23, 24, 25 and 26, with brass cap
marked



1938

from which

A juniper, 7 ins. in diam., bears N. 85 $\frac{3}{4}$ ° E., 158 lks.
dist., marked T5N R13E S24 BT.

A juniper, 6 ins. in diam., bears S. 22 $\frac{1}{2}$ ° W., 351 lks.
dist., marked T5N R13E S26 BT.

No other bearing trees available.

Land, mountainous.

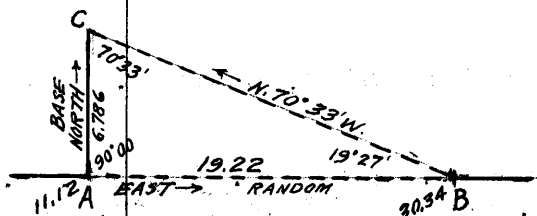
Soil, rocky, 3rd and 4th rates.

Timber, oak, paloverde and juniper.

Undergrowth, oakbrush, manzanita, catclaw and cacti.

East, on random line, bet. secs. 24 and 25.

11.12 Discontinue chaining owing to precipitous slopes ahead,
over which chaining is impracticable. Triangulate
measurement as follows:



Designate 11.12 ch. station as "A"
and set flag "B" ahead on random
line at top of cliffs, the verti-
cal angle to which is +29°.

From "A" chain a base, North,
6.786 chs. and set flag "C", which
bears N. 70°33' W. from flag "B".

Included angles of triangle A-B-C
are 90°00', 19°27' and 70°33' the
sum of which is 180°00'.

Chains	
	Chained dist. on random sec. line = 11.12 chs. E. Triangulated dist. A-B = 19.22 chs. E. Station B = 30.34 chs. E.
30.34	Triangulation flag point "B". Resume chaining and continue line and measurement.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs. 19, 24, 25 and 30 established under this group as described in the field notes of survey of W. bdy. of T. 5 N., R. 14 E.
	Thence .
	N. $89^{\circ}58'$ W., on true line, bet. secs. 24 and 25.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 92 ft. over SW. slope.
5.00	Wash, 3 lks. wide, course SW.; asc. gradually over S. and SE. slopes.
18.20	County road. (Globe-Young) bears NW and SE.
26.00	Low spur, slopes S.; desc. 5 ft. over SW. slope to
29.20	Rim, bears N. and S.; desc. 182 ft. over steep rocky W. slope.
33.70	Bottom of canyon, 10 lks. wide, containing a small stream of running water, course S. A waterfall, 80 ft. high, bears N. 10° E., 5.00 chs. dist. Asc. 270 ft. over broken cliffs facing E.
38.10	Top of cliffs, bearing N. and S.; asc. 45 ft. over SE. slope to
39.94	Set an iron post, 3 ft. long; 1 in. in diam., on exposed bedrock, with a stone 4x5x6 ins. marked with a cross (+) deposited at base, and in mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 24}{S \ 25}$ 1938
	No bearing trees available.
	Asc. 74 ft. over SE. slope.
43.86	U.S. Forest Service telephone line, (2 wire) bears N. $29^{\circ}55'$ E. and S. $29^{\circ}55'$ W.
47.60	Spur, slopes S.; desc. 43 ft. over W. slope to top of cliffs.
47.75	U.S. Forest Service triangulation point, bears S. $53^{\circ}48'$ W., 3.95 chs. dist.
49.54	Top of cliffs, bearing N. and S. facing W. (3 lks. N. of triangulation point "B"). Descend about 615 ft. over cliffs to bottom of ravine. Measurement to 68.76 ch. station by triangulation hereinbefore described.
64.20	(Approx.) Bottom of ravine, course SW.; desc. about 55 ft.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

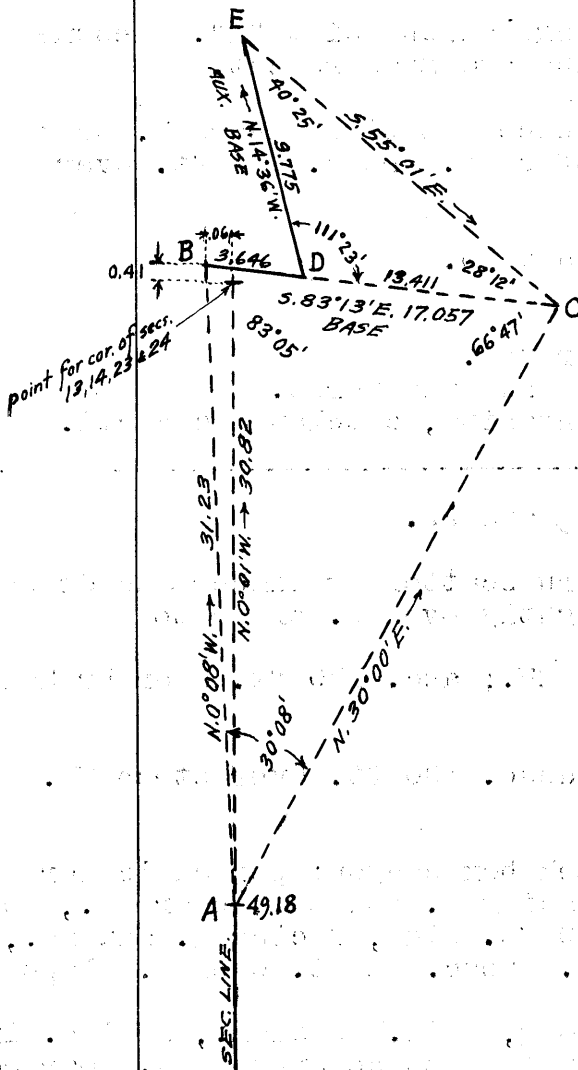
BOOK 4190
31

Chains	along S. slope to spur.
68.76	A point 4 lks. N. of triangulation point "A". Resume chaining, continuing line and measurement.
70.85	Spur, slopes SW. Drift fence (5 wire) bears N. $68\frac{1}{4}^{\circ}$ E. and S. $68\frac{1}{4}^{\circ}$ W. on top of same. Desc. 202 ft. over broken W. slope to
79.88	Cor. of secs. 23, 24, 25 and 26. Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, juniper, mesquite and palo verde. Undergrowth, oakbrush, manzanita, catclaw and cacti.
	N. $0^{\circ}01'$ W., bet. secs. 23 and 24. Over mountainous land, thru scattering timber and dense undergrowth. Desc. slightly over W. slope to
0.60	Drain 6 lks. wide, course SW.; asc. 170 ft. over broken rocky SW. slope.
17.80	Point of spur slopes W.; desc. 100 ft. over steep NW. slope to
25.00	Enter mouth of Parker Creek box canyon; perpendicular cliffs, 300 ft. high, facing W. and SW., bear SE., 10 chs. dist. and cliff 300 ft. high, facing E. and SW., bears NW., 20 chs. dist. Desc. 85 ft. over W. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, with a stone 2x4x6 ins., marked with a cross (+) deposited at base, and in mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S23 S24 1938 </div> No bearing trees available. Desc. 6 ft. over W. slope.
42.20	Parker Creek (dry) 25 lks. wide, course SW.; asc. 200 ft. over steep broken SE. slope to
47.13	Point of spur, slopes E.; asc. 34 ft. over E. slope to
49.18	Discontinue chaining at this point as the remainder of the line crosses cliffs on W. side of Parker Creek Canyon, and a side canyon from NW. Triangulate as follows: Designate 49.18 ch. station as "A" and set a flag "B" N. $0^{\circ}08'$ W., the vertical angle to which is $+ 23^{\circ}$. Set another flag "C" at top of bluff on E. side of Parker Creek Canyon, which bears N. $30^{\circ}00'$ E., from "A" and S. $83^{\circ}13'$ E. from flag "B". From "B" chain measurement S. $83^{\circ}13'$ E., 3.646 chs. on the base B-C to point "D" on W. rim of the canyon. As it is impracticable to chain the portion D-C of the base B-C, owing to cliffs, triangulate such portion

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

32

Chains



by chaining auxiliary base, from point "D", N. 14°36' W., 9.775 chs. to point "E" from which flag "C" bears S. 55°01' E.

Included angles of triangle D-E-C are, 111°23', 40°25' and 28°12'; the sum of which is 180°00'.

Included angles of triangle A-B-C are, 30°08', 83°05', and 66°47', the sum of which is 180°00'.

Triangulated dist. "D" to "C" = 13.411 chs.
 Chained dist. "B" to "D" = 3.646 chs.
 Length of base B-C = $\frac{17.057}{\sin 83^\circ 13' E}$ = 17.057 chs.

Chained dist. on sec. line to "A" = 49.18 chs. N. 0°01' W.
 Triangulated dist. "A" to "B" = $\frac{49.18}{\cos 30^\circ 08'}$ = 31.23 " N. 0°08' W.

Dist. from sec. cor. to "B" = 80.41 chs.

Point "B" is therefore 41 lks. N. and 6 lks. W. of the true point for cor. of secs. 13, 14, 23 and 24.

From point "B" chain measurement E. 6 lks. to sec. line extended thru sec. cor. point, thence S. 1 lk. to a point 40 lks. N. 0°01' W. from the true point for cor. of secs. 13, 14, 23 and 24, and establish witness cor. to said sec. cor. as hereinafter described.

70.00 (Approx.) Bottom of short side canyon, course SE.; asc. about 500 ft. to canyon rim, over cliffs facing S.

80.00 True point for cor. of secs. 13, 14, 23 and 24 is on face of cliffs in canyon; where it is inaccessible and cannot be monumented, therefore establish witness cor. 40 lks. N. 0°01' W., as hereinafter described.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper, oak, and mesquite.
 Undergrowth, oakbrush, catclaw, mahogany and cacti.

From true point for cor. of secs. 13, 14, 23 and 24. S. 89°58' E., on random line, bet. secs. 13 and 24.

As the sec. cor. point is inaccessible and the western part of this line crosses Parker Creek Canyon where chaining is impracticable, triangulate measurement of this part of the line as follows:

Use the auxiliary base "D-E", N. 14°36' W., 9.775 chs., hereinbefore described in the triangulation of the N. 30.82 chs. of line bet. secs. 23 and 24, by which

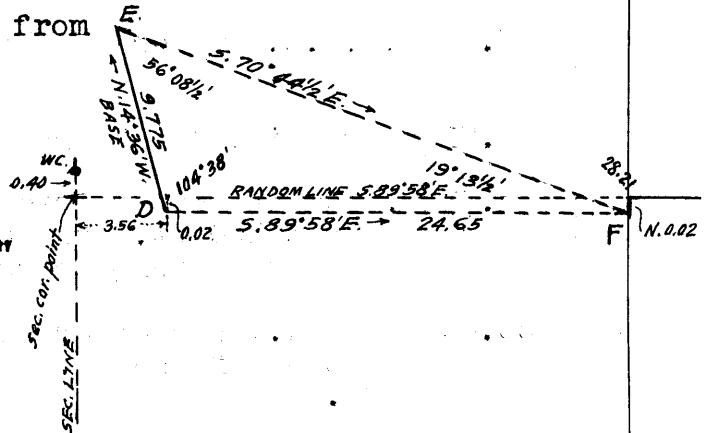
Chains

triangulation the point "D" is computed to be 2 lks. S. of 3.56 ch. station on this random line. Set flag "F" at a point 2 chs. E. from E. rim of canyon and bearing S.89°58' E. from "D". Point "D" is 40 lks. W. from W. rim of canyon.

Vertical angle from "D" to "F" is $-3\frac{1}{2}^\circ$.

From point "E" at N. end of base the flag "F" bears S. 70°44 $\frac{1}{2}$ ' E.

Included angles of the triangle D-E-F are 104°38', 56°08 $\frac{1}{2}$ ', and 19°13 $\frac{1}{2}$ ', the sum of which is 180°00'.



Triangulated dist. from "D" to "F" = 24.65 chs. S.89°58'E. or parallel to and 2 lks. S. of random line.

From flag point "F" measure N. 2 lks. to point on random line at

28.21 Resume chaining, continuing measurement on random line from sec. cor. point.

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

79.92 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 13, 18, 19 and 24, established under this group as described in field notes of survey of W. bdy. of T. 5 N. R. 14 E.

Thence

N. 89°59' W., on true line, bet. secs. 13 and 24.

Over mountainous land, thru scattering timber and dense undergrowth.

Desc. 183 ft. over broken NW. slope.

11.25 Ravine, course SW.; asc. 10 ft. over SE. slope.

14.30 Spur, slopes SW.; desc. 251 ft. over W. slope to $\frac{1}{4}$ sec. cor.

23.50 U.S. Forest Service telephone line (2 wire) bears S. 18° 26' E. and N. 18°26' W.

25.63 County road (Globe-Young) bears N. and S.

39.96 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

$\frac{1}{4}$ $\frac{S 13}{S 24}$

1938

from which

A pinyon, 3 ins. in diam., bears S. 21° W., 206 lks. dist., marked BT. only.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

34

Chains	<p>An oak, 6 ins. in diam., bears N. $40\frac{3}{4}^{\circ}$ W., 112 lks. dist., marked $\frac{1}{4}$ SI3 BT.</p> <p>Desc. 20 ft. over W. slope.</p> <p>46.20 Trail, bears NW. and SE.</p> <p>47.70 U.S.F.S. "water check" power line, (9 wires) bears NW. and S.</p> <p>51.71 Flag point "F" bears S. 3 lks. dist., continue chaining to</p> <p>53.71 E. rim of Parker Creek Canyon, bears N. and S. Desc. about 500 ft. over cliffs facing W. Measurement by triangulation across canyon as hereinbefore described.</p> <p>66.00 (Approx.) Parker Creek (dry) 30 lks. wide, course SW. in bottom of canyon. Asc. about 600 ft. over cliffs facing SE.</p> <p>75.96 W. rim of Parker Creek Canyon, bears NE. and SW. Resume chaining. Asc. slightly over SE. slope.</p> <p>76.36 Triangulation point "D" bears S. 2 lks. dist. Continue chaining to</p> <p>78.50 West rim of Parker Creek Canyon bears N. 85° W. and S. 85° E., merging into N. rim of side canyon, course SE. Discontinue chaining. Enter canyon. Measurement to sec. cor. point by triangulation hereinbefore described.</p> <p>79.92 True point for cor. of secs. 13, 14, 23 and 24. (Witness cor. 40 lks. N. $0^{\circ}01'$ W.)</p> <p>Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, juniper, pinyon and pine. Undergrowth, oakbrush, mahogany, catclaw, manzanita and cacti.</p>						
0.40	<p>From true point for cor. of secs. 13, 14, 23 and 24. N. $0^{\circ}01'$ W., bet. secs. 13 and 14.</p> <p>Over bare, almost perpendicular cliffs, facing S. in Parker Creek Canyon. Measurement to top of cliffs by triangulation, hereinbefore described.</p> <p>Top of cliffs and W. rim of Parker Creek Canyon, merging into N. rim of side canyon, bears N. 85° W. and S. 85° E.</p> <p>Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, with a stone $3 \times 3 \times 7$ ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for witness cor. to cor. of secs. 13, 14, 23 and 24, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T5N</td> <td>RL3E</td> </tr> <tr> <td>S14</td> <td>S13</td> </tr> <tr> <td>S23</td> <td>S24</td> </tr> </table> <p>WC</p> </div> <p>1938</p> <p style="text-align: right;">from which</p> <p>An oak, 7 ins. in diam., bears S. $69\frac{1}{2}^{\circ}$ E., 56 lks. dist. marked WC T5N RL3E S13 BT.</p> <p>A juniper, 4 ins. in diam., bears N. $42\frac{3}{4}^{\circ}$ W., 225 lks.</p>	T5N	RL3E	S14	S13	S23	S24
T5N	RL3E						
S14	S13						
S23	S24						

Chains

dist., marked WC T5N R13E S14 BT.

No other bearing trees available.

Resume chaining, and continue line and measurement.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 40 ft. over S. slope to

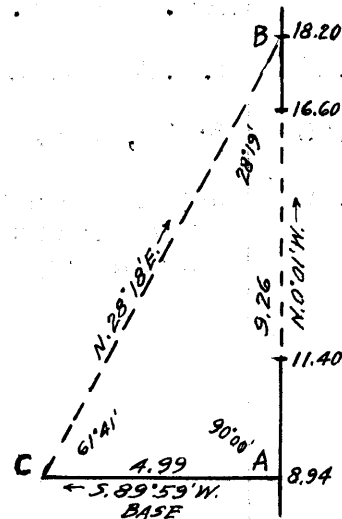
5.70 Point of spur, slopes SE.; asc. gradually over E. slope.

8.94 Triangulation point "A". Continue chaining.

11.40 W. rim of Parker Creek Canyon, bearing NW. and SE., and merging into S. rim of short side canyon, course SE. Beyond this point cliffs render chaining impracticable, therefore triangulate measurement across the side canyon as follows:

Designate 8.94 ch. station on sec. line as "A" and set flag "B" ahead on line, the vertical angle to which is $+3^\circ$.

From "A" measure a base S. $89^\circ 59'$ W., 4.99 chs. to point "C" from which the flag "B" bears N. $28^\circ 18'$ E. Included angles of the triangle A-B-C are, $90^\circ 00'$, $28^\circ 19'$ and $61^\circ 41'$, the sum of which is $180^\circ 00'$.



Chained dist. on sec. line

to "A" = 8.94 chs. N. $0^\circ 01'$ W.

Traingulated dist.

"A" to "B" = 9.26 chs. N. $0^\circ 01'$ W.

Dist. sec. cor. to "B" = 18.20 chs. N. $0^\circ 01'$ W.

From "B" chain S. $0^\circ 01'$ E., 1.60 chs. to canyon rim at 16.60 ch. station.

15.40 (Approx.) Bottom of short side canyon, course SE., heading about 5.00 chs. NW. This point is about 120 ft. below canyon rim at 11.40 ch. station. Ascend about 150 ft. over cliffs, facing SW.

16.60 W. rim of Parker Creek Canyon, bearing NW. and SE. and merging into N. rim of side canyon. Resume chaining and continue line and measurement. Along broken E. slope.

18.20 Triangulation flag point "B".

24.32 SW. cor. of U.S. Forest Service sheet erosion plot, about 150 ft. square, bears N. $46^\circ 13'$ W.

25.20 Rim, bears NW. and E. Desc. 58 ft. over NE. slope to

28.70 Enter bottom of ravine, 12 lks. wide, course E. from N.; asc. gradually along same.

29.80 Leave bottom of ravine, course S. from NE.; asc. 18 ft. over SE. slope.

32.40 Point of spur, slopes E.; desc. 10 ft. over NE. slope.

33.50 Bottom of same ravine, course SE.; enter dense undergrowth; asc. 50 ft. over broken SW. slope to $\frac{1}{4}$ sec. cor.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

36

Chains

- 39.40 SW. cor. of same erosion plot, bears S. $75^{\circ}37'$ W.
- 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
- $\frac{1}{4}$
 S14 | S13
 1938
- from which
- An oak, 4 ins. in diam., bears N. $36\frac{1}{4}^{\circ}$ E., 323 lks. dist., marked $\frac{1}{4}$ S13 BT.
- A juniper, 5 ins. in diam., bears S. 45° W., 247 lks. dist., marked $\frac{1}{4}$ S14 BT.
- Asc. 200 ft. over SW. slope to sec. cor.
- 41.25 U.S. Forest Service road, bears NW. and SE.
- 75.50 Trail, bears NW. and SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap marked
- | | |
|-----|------|
| T5N | RL3E |
| S11 | S12 |
| S14 | S13 |

 1938
- from which
- A black oak, 9 ins. in diam., bears N. $26\frac{1}{4}^{\circ}$ W., 121 lks. dist., marked T5N RL3E S11 BT.
- No other bearing trees available.
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
 Soil, rocky, 3rd and 4th rates.
 Timber, juniper, pine, pinyon and oak.
 Undergrowth, oakbrush, manzanita, mahogany, catclaw and cacti.
-
- S. $89^{\circ}59'$ E., on random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect E. bdy. of Tp. 16 lks. N. of the cor. of secs. 7, 12, 13 and 18, established under this group as described in field notes of survey of W. bdy. of T. 5 N., R. 14 E.
- Thence
- N. $89^{\circ}52'$ W., on true line, bet. secs. 12 and 13.
- Over mountainous land, thru scattering timber and dense undergrowth.
- Desc. 25 ft. over S. slope.
- 2.73 Desc. 418 ft. over SW. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

BOOK 4190

37

Chains	
15.14	County road (Globe-Young) bears NW. and S.
21.94	Bottom of ravine, 6 lks. wide, course SW.; asc. 6 ft. over SE. slope.
22.94	Point of spur, slopes SW.; desc. 45 ft. over W. slope.
25.24	Parker Creek (dry) 25 lks. wide, course SE.; asc. 155 ft. over E. slope.
26.50	U.S. Forest Service road, bears NW. and SE.
35.22	Low spur, slopes SE.; asc. 60 ft. over SE. slope to .
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone 4x4x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 12 \\ S 13 \end{array}$
	1938
	No bearing trees available.
	Asc. 95 ft. over SE. slope.
50.19	U.S. Forest Service telephone line, (2 wires) bears N. 18° 25' W. and S. 18° 25' E.
51.90	Spur, slopes SE.; desc. 173 ft. over SW. slope.
61.74	Bottom of ravine, 5 lks. wide, course SE.; heads about 10 chs. NW.; asc. 280 ft. over rocky E. slope.
72.44	Trail, bears N. 20° E. and S. 20° W.
74.64	Spur, slopes S.; desc. 71 ft. over SW. slope to
79.94	Cor. of secs. 11, 12, 13 and 14.
	Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, juniper, pinyon, pine, cottonwood, sycamore and walnut. Undergrowth, oakbrush, manzanita, mahogany, catclaw and cacti.
	N. 0°01' W., bet. secs. 11 and 12.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Asc. 384 ft. over SW. slope to
33.62	Spur, slopes S. 10° E.; asc. 42 ft. over SE. 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
	$\frac{1}{4} \begin{array}{l} S11 \\ S12 \end{array}$
	1938
	No bearing trees available.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

Chains	<p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor.</p> <p>Asc. 40 ft. over SE. slope.</p> <p>41.77 U.S. Forest Service erosion control lysimeters bear in sequence, N. 20°27' E., N. 20°40' E., N. 21°21' E., N. 22°31' E., N. 23°51' E. and N. 19°15' E. Flagpole at U.S.F.S. Experimental Station, bears N. 61°53' E. South gable of house, bears N. 59°54' E. North gable of Grantham house, bears N. 70°31' E. West end of Grantham store, bears N. 68°42' E.</p> <p>44.70 Top of ascent; desc. 50 ft. along E. slope.</p> <p>59.00 Same group of lysimeters bear in same sequence, N. 31°38' E., N. 32° E., N. 32°49' E., N. 34°12' E., N. 35°50' E. and N. 28°30' E. Flagpole bears N. 74°23' E. South gable of house, bears N. 71°42' E., North gable of Grantham house, bears N. 87°25' E.</p> <p>61.20 Head of ravine, course E.; asc. slightly over SE. slope.</p> <p>63.70 Asc. 40 ft. over E. slope to</p> <p>77.60 Saddle in ridge, bears N. 20° E. and S. 20° W. Drainage divide bet. Parker Creek and Connor Canyon. Trail along top of same. Desc. 12 ft. over W. slope to sec. cor.</p> <p>78.40 Abandoned county road, bears SE. and NE.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground with 4 small glass bottles deposited at base, for cor. of secs. 1, 2, 11 and 12, with brass cap marked</p> <div style="text-align: center;"> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T5N</td> <td>R13E</td> </tr> <tr> <td>S2</td> <td>S1</td> </tr> <tr> <td>S11</td> <td>S12</td> </tr> </table> <p>1938</p> <p style="text-align: right;">from which</p> <p>An oak, 4 ins. in diam., bears S. 32° E., 71 lks. dist., marked T5N R13E S12 BT.</p> <p>A juniper, 5 ins. in diam., bears S. 23½° W., 72 lks. dist., marked T5N R13E S11 BT.</p> <p>No other bearing trees available.</p> <p>Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, juniper, pinyon, pine and oak. Undergrowth, oakbrush, manzanita, mahogany, catclaw and cacti.</p> <hr/> <p>S. 89°52' E., on random line, bet. secs. 1 and 12.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>79.92 Intersect E. bdy. of Tp. 11 lks. S. of the cor. of secs. 1, 6, 7 and 12, established under this group as described in field notes of survey of W. bdy. of T. 5 N., R. 14 E.</p> </div>	T5N	R13E	S2	S1	S11	S12
T5N	R13E						
S2	S1						
S11	S12						

Chains	Thence
	N. 89°57' W., on true line, bet. secs. 1 and 12. Over mountainous land, thru dense timber and undergrowth. Desc. 208 ft. over NW. slope.
10.22	U.S.F.S. trail, bears NE. and SW. Installation check line, (4 wire) bears NE. and SW.
10.71	Flagpole, bears S. 37°39' W., 2.52 chs. dist.; NW. cor. of office, bears S. 28°39' W., 2.82 chs. dist.; NW. cor. of recreation hall, bears S. 26°33' E., 38 lks. dist. All U.S.F.S. property.
11.62	N. side of U.S.F.S. house, bears South 28 lks. dist.
12.62	Parker Creek (dry) 30 lks. wide, course SW.; asc. 30 ft. along S. slope to
15.07	Ravine, course SE.; asc. gradually over SE. slope.
15.52	SW. cor. of U.S.F.S. house, bears North 150 lks. dist.
15.67	U.S.F.S. road, bears N. and S. (entrance road from highway).
16.53	S. side of U.S.F.S. house on line.
17.52	NW. cor. of U.S.F.S. house, bears South 87 lks. dist.
18.82	Trail, bears NW. and SE.; desc. 20 ft. over SW. slope.
20.22	Installation check line, (4 wire) bears N. and S.
20.72	Ravine, course S.; asc. 20 ft. over SE. slope.
20.87	U.S.F.S. telephone line, (2 wire) bears N. 80° W. and S. 80° E. Installation check line, (4 wire) bears same.
23.22	Fence, bears N. and S. Enter U.S.F.S. Climatic Station grounds.
23.24	Wind guage, bears North 67 lks. dist.
23.87	Lysimeter bldg., 8x10 ft. on line.
24.09	Fence, bears N. and S. Leave U.S.F.S. Climatic Station grounds.
24.12	Spur, slopes S.; desc. 26 ft. over SW. slope.
24.82	County road (Globe-Young) bears NW. and S. 4° W.
26.32	NW. cor. of Gila County highway camp garage, bears South 100 lks. dist.
26.62	Gila County highway camp cabin, bears North 50 lks. dist.
28.52	Ravine, 6 lks. wide, course SE.; asc. 140 ft. over SE. slope to $\frac{1}{2}$ sec. cor.
31.12	U.S.F.S. cleared fire-control line, 50 lks. wide, bears NW. and SE.
35.72	Same U.S.F.S. telephone line and installation check line, bears S. 80° W. and NE.
35.89	Leave dense and enter scattering timber, bears N. and SE.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

40

Chains	
36.02	Enter U.S.F.S. road, bears NE. and W., thence along same.
38.82	Leave U.S.F.S. road, bears E. and SW.
39.96	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 black oak, 4 ins. in diam., bears S. 40° W., 10 lks. dist., marked $\frac{1}{4}$ S12 BT.
	A white oak, 5 ins. in diam., bears N. 74° W., 20 lks. dist., marked $\frac{1}{4}$ S1 BT.
	Asc. 85 ft. over SE. slope.
43.52	Enter county road (Globe-Young) bears NE. and W., thence along same.
44.92	Asc. 25 ft. along S. slope.
51.12	Leave county road (Globe-Young) bears NW. and E.
57.72	Ravine, 3 lks. wide, course S.; asc. 113 ft. over SE. slope.
62.12	Installation check line. (4 wire) bears N., to group of lysimeters and S., 4.00 chs. to telephone line, thence E. and W.
64.62	County road (Globe-Young) bears NE. and SW.
66.32	Spur, slopes S. 20° E.; asc. 78 ft. along steep S. slope.
68.82	County road (Globe-Young) bears N. 80° W. and S. 80° E.
72.92	Same road, bears N. 70° E. and S. 70° W.
76.82	U.S.F.S. telephone line (2 wire) bears S. 18°25' E. and N. 18°25' W.
78.22	Ridge, bears N. 20° E. and S. 20° W. Drainage divide bet. Parker Creek and Connor Canyon. Desc. 30 ft. over W. slope to sec. cor.
79.42	County road (Globe-Young) bears N. 35 $\frac{1}{4}$ ° W. and S. 25 $\frac{1}{2}$ ° E.
79.92	Cor. of secs. 1, 2, 11 and 12.
	Land, mountainous.
	Soil, rocky, 3rd and 4th rates.
	Timber, pine, oak, juniper, pinyon, sycamore and walnut.
	Undergrowth, oakbrush, mahogany, manzanita, cacti and catclaw.
	N. 0°01' W., on random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.64	Intersect N. bdy. of Tp. 14 lks. E. of the cor. of secs. 1, 2, 35 and 36, hereinbefore described.
	Thence

Chains	
	S. 0°07' E., on true line, bet. secs. 1 and 2. Over mountainous land, thru dense timber and undergrowth. Asc. 97 ft. over NW. slope.
2.84	Trail, bears NW. and SE.
5.39	Same trail, bears NE. and SW.
12.74	Ridge, bears N. 60° E. and S. 60° W. Drainage divide bet. Connor Canyon and Rose Creek. Desc. 357 ft. over SE. slope.
31.64	U.S. Forest Service trail, bears NE. and SW.
32.34	Wash, 8-lks. wide, course SW. in bottom of Connor Canyon; asc. 117 ft. over rocky, NW. slope to witness cor. to $\frac{1}{4}$ sec. cor.
35.34	County road (Globe-Young) bears NE. and S., thence along same.
38.64	Leave same road bears S. 20° W. and N.
39.64	True point for $\frac{1}{4}$ sec. cor., falls on rocky ledge where it is impracticable to monument the cor., therefore establish witness cor., S. 0°07' E., 1.80 chs. dist.
41.44	Set an iron post, 3 ft. long, 1 in. in diam., 21 ins. in the ground to bedrock with a stone 2x0x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor. with brass cap marked
	<p style="text-align: center;">W.C. ↑ S2 S1 1938</p>
	No bearing trees available.
	Asc. 280 ft. over broken NW. slope.
43.04	U.S.F.S. telephone line (2 wire) bears NE. and SW.
57.14	Rim, bears NE. and SW. Leave dense and enter scattering timber. Thence along steep W. slope to
61.44	Rim, bears NW. and SE.; desc. 303 ft. over steep SW. slope.
70.04	U.S.F.S. telephone line (2 wire) bears S. 18°26' E. and N. 18°26' W.
70.44	Top of vertical cliff, 50 ft. high, bearing NW. and SE. facing SW. From foot of cliff desc. 140 ft. over W. slope to sec. cor.
78.34	County road (Globe-Young) bears NW. and SE.
79.64	Cor. of secs. 1, 2, 11 and 12. Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, pine, juniper, oak, fir, pinyon, walnut and sycamore. Undergrowth, oakbrush, mahogany, manzanita, catclaw and cacti.

Chains

From the std. cor. of secs. 34 and 35, on S. bdy. of Tp. (1st Standard Parallel North) hereinbefore described.

N. 0°01' W., bet. secs. 34 and 35.

Over rolling land, thru scattering timber and undergrowth.

Desc. 30 ft. over W. and NW. slopes

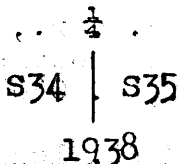
17.50 Fence cor. from which fences extend S. 30° W., S. 80° E. and N. 80° W.

17.60 U.S. Forest Service road, bears N. 60° E, and S. 30° W.

21.80 Cottonwood Wash, 20 lks. wide with cut banks about 30 ft. high, course S. 20° W. Contains a small flowing stream of water from springs. Ascend 113 ft. over SE. slope.

38.50 Spur, slopes S. 20° W.; desc. 10 ft. along NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 19 ins. in the ground to bedrock with a stone 3x3x7 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked



No bearing trees available.

Enter mountainous land.

Desc. 112 ft. over NW. slope.

46.50 Wash, 6 lks. wide, course SW.; asc. 117 ft. over SE. slope.

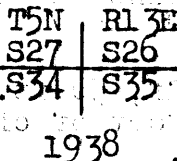
56.00 Spur, slopes SW.; desc. 61 ft. over NW. slope.

60.90 Bottom of ravine, 10 lks. wide, course SW.; asc. 49 ft. over S. slope.

65.50 Point of spur, slopes SW.; desc. 52 ft. over NW. slope.

75.80 Wash, 12 lks. wide, course S. 20° W.; asc. 49 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. 26, 27, 34 and 35, with brass cap marked



No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde and mesquite.
Undergrowth, greasewood and cacti.

Chains	
	N. 89°50' E., on random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line 8 lks. S. of the true point for cor. of secs. 25, 26, 35 and 36 (W.C. 1.50 chs. S. 0° 01' E.)
	Thence, from true point for cor.
	S. 89°47' W., on true line, bet. secs. 26 and 35.
	Over mountainous land, thru scattering timber and undergrowth. Across bottom of canyon.
1.78	Wash, 15 lks. wide, course SW. Leave bottom of canyon; asc. 55 ft. over E. slope.
7.88	Spur, slopes S.; desc. 68 ft. over W. slope.
10.10	U.S. Forest Service telephone line, bears N. 29°57' E. and S. 29°57' W.
13.08	Drain, course SE.; asc. 159 ft. over SE. slope.
26.38	Ridge, bears N. 60° E. and S.; desc. 281 ft. over broken NW. slope to
40.04	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
	$\frac{1}{4} \frac{S 26}{S 35}$
	1938
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Desc. 125 ft. over broken NW. slope.
51.00	Parker Creek, 20 lks. wide, containing a small stream of running water, course S. 10° W.; asc. 190 ft. over E. slope.
54.00	U.S. Forest Service trail, bears N. 23° E. and S. 23° W.
55.38	Fence (5 wire) bears N. 13° E. and S. 13° W.
67.18	Ridge, bears N. and S. 10° W.; desc. 195 ft. over W. slope.
79.18	Wash, 12 lks. wide, course S. 10° W.; asc. 28 ft. over SE. slope to
80.08	Cor. of secs. 26, 27, 34 and 35.
	Land, mountainous.
	Soil, rocky, 3rd and 4th rates.
	Timber, palo verde, cottonwood and mesquite.
	Undergrowth, greasewood, oakbrush and cacti.
	N. 0°01' W., bet. secs. 26 and 27.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 182 ft. over SE. slope.

Chains

- 14.60 Spur, slopes SW.; desc. 92 ft. over NW. slope.
- 21.60 Bottom of ravine, 6 lks. wide, course SW.; asc. 179 ft. over SE. slope.
- 30.40 Spur, slopes SW.; desc. 78 ft. over broken NW. slope.
- 38.00 Wash, 12 lks. wide, course SW.; asc. 61 ft. over SE. 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
- | | | |
|-------|---------------|-----|
| . | $\frac{1}{4}$ | . |
| . S27 | | S26 |
| . | 1938 | . |
- No bearing trees available.
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Asc. 76 ft. over broken SE. slope.
- 43.50 Spur, slopes S. 60° W.; desc. 64 ft. over NW. slope.
- 57.20 Bottom of ravine, 5 lks. wide, course S. 60° W.; asc. 108 ft. over broken SE. slope.
- 62.10 Spur, slopes S. 60° W.; desc. 41 ft. over N. slope.
- 70.40 Wash, 15 lks. wide, course SW.; asc. 185 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. 22, 23, 26 and 27, with brass cap marked
- | | | |
|-----|------|------|
| T5N | | R13E |
| S22 | | S23 |
| S27 | | S26 |
| . | 1938 | . |
- No bearing trees available.
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, paloverde.
Undergrowth, greasewood and cacti.
-
- N. 89°47' E., on random line, bet. secs. 23 and 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 2 lks. S. of the cor. of secs. 23, 24, 25 and 26.
- Thence
- S. 89°46' W., on true line, bet. secs. 23 and 26.
- Over mountainous land, thru scattering timber and undergrowth.

Chains	
	Desc. slightly over W. slope.
0.72	Drain 6 lks. wide, course S. 30° W.; desc. 275 ft. over SW. slope.
18.12	Parker Creek, 30 lks. wide, containing a small stream of running water, course S.; thence across bottom of canyon, ascending slightly to
25.62	W. edge of bottom of canyon bears NE. and SW.; asc. 209 ft. over E. slope.
36.22	Spur, slopes S. 20° E.; desc. 44 ft. over SW. slope to
40.01	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
	$\frac{1}{4}$ $\frac{S\ 23}{S\ 26}$
	1938.
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Desc. 92 ft. over SW. slope.
46.02	Bottom of ravine, course S. 20° E.; asc. 275 ft. over SE. slope.
60.22	Ridge, bears N. 10° E. and S. 10° W.; desc. 143 ft. over NW. slope.
60.62	U.S. Forest Service trail, bears N. and S.
66.52	Wash, 15 lks. wide, course SW.; asc. 43 ft. over SE. slope to
80.02	Cor. of secs. 22, 23, 26 and 27.
	Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, palo verde, mesquite and juniper. Undergrowth, oakbrush, greasewood and cacti.
	N. 0°01' W., bet. secs. 22 and 23.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 28 ft. over SE. slope.
2.00	Spur, slopes S. 40° W. from N. 75° E.; desc. 244 ft. over N. slope.
14.20	Wash, 10 lks. wide, course S. 70° W.; asc. 154 ft. over S. slope.
21.10	Spur, slopes W.; desc. 96 ft. over N. slope.
26.20	Bottom of ravine, 6 lks. wide, course W.; asc. 222 ft. over S. slope.
36.20	Spur, slopes SW.; desc. 37 ft. over NW. 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

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

46

Chains

1/4.	
.S22	S23.
1938	

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 61 ft. over NW. slope.

42.60 Drain, 3 lks. wide, course W.; asc. 36 ft. over S. slope.

46.40 Point of spur, slopes W.; desc. 54 ft. over NW. slope.

52.70 Wash, 15 lks. wide, course S. 80° W.; asc. 214 ft. over broken SE. slope.

69.00 Top of ascent on E. side of round knoll; desc. 39 ft. over NE. slope.

72.40 Drain, course S. 70° E.; asc. 86 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock with a stone 4x4x8 ins. marked with a cross (x) deposited at base, and in a mound of stone to top, for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T5N	R13E
S15	S14
S22	S23

1938

No bearing trees available.

Land, mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, paloverde, mesquite, cottonwood and juniper.

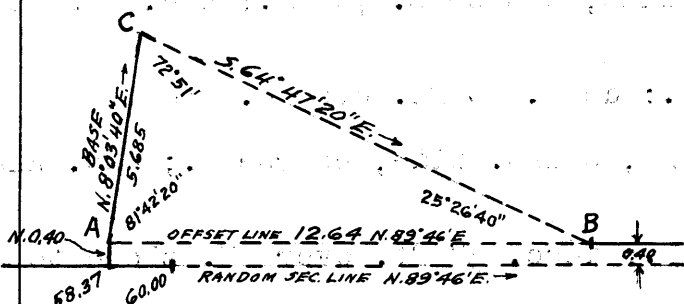
Undergrowth, oakbrush, greasewood and cacti.

N. 89°46' E., on random line, bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

58.37 Offset point,

60.00 Rim of canyon, bears N. and SE. The remainder of the random line crosses cliffs in head of canyon, over which chaining is impracticable, and the objective sec. cor. point is inaccessible, being witnessed 40 lks. N. 0°01' W., therefore triangulate measurement of an offset line as follows:



From 58.37 ch. station offset North 40 lks. to triangulation and offset point "A". Set flag "B" ahead N. 89°46' E., on offset line parallel to and 40 lks. N. of random sec. line. Vertical angle "A" to "B" is 0°.

Chains

From point "A" chain a base N. $8^{\circ}03'40''$ E.; 5.685 chs. to point "C" from which flag "B" bears S. $64^{\circ}47'20''$ E.

Included angles of triangle "A-B-C" are, $81^{\circ}42'20''$, $25^{\circ}26'40''$ and $72^{\circ}51'$ the sum of which is $180^{\circ}00'$.

Traingulated dist. "A" to "B" = 12.64 chs. N. $89^{\circ}46'$ E.

From triang. point "B" chain measurement N. $89^{\circ}46'$ E. on offset line parallel to and 40 lks. N. of random sec. line, and at 9.01 chs. intersect N. and S. line 5 lks. N. of the witness cor. to cor. of secs. 13, 14, 23 and 24.

Chained dist. on random sec. line to offset point

	=	58.37 chs.
Triangulated dist. on offset line	=	12.64 chs.
Chained dist. on offset line	=	9.01 chs.
Total departure	=	80.02 chs. E.

The random line extended would therefore at

80.02 Intersect N. and S. line 5 lks. N. of the true point for cor. of secs. 13, 14, 23 and 24.

Thence

S. $89^{\circ}48'$ W.; on true line, bet. secs. 14 and 23.

Over mountainous land, in mouth of a side canyon to Parker Creek Canyon.

Across almost perpendicular cliffs facing S.

Measurement by chained and triangulated offset line as described in notes of random line.

2.50 (Approx.) Top of cliffs and rim of canyon, bears N. 80° E. and S. 80° W. Leave canyon. Thence over S. slope thru scattering timber and undergrowth.

10.50 (Approx.) Same canyon rim, bears NW. and SE. Reenter canyon. Desc. about 200 ft. over cliffs facing SW.

12.50 (Approx.) Bottom of side canyon, course SE.; heads about 5 chs. NW. Asc. about 200 ft. over cliffs to

20.02 W. rim of canyon, bears N. and SE. Leave canyon. Continue line and measurement by chaining. Over nearly level land.

21.65 A point 43 lks. S. of triangulation point "A".

22.40 U.S. Forest Service road, bears N. and S.

23.34 Rim, bears NW. and SE.; desc. 477 ft. over steep broken SW. slope to

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone 2x4x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S 14}{S 23}$

1938

No bearing trees available.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

7 48

Chains	Desc. 610 ft. over steep broken SW. slope to
61.30	Wash, 30 lks. wide, course SW.; asc. 40 ft. over SE. slope.
65.25	Desc. gradually over S. and SW. slopes.
75.10	U.S. Forest Service trail, bears N. 30° W., and S. 30° E.
78.30	Bottom of ravine, 8 lks. wide, course S.; asc. 18 ft. over SE. slope to
80.02	Cor. of secs. 14, 15, 22 and 23.
	Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, juniper, mesquite and palo verde. Undergrowth, oakbrush, greasewood and cacti.
	N. 0°01' W., bet. secs. 14 and 15.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 496 ft. over SE. slope.
11.50	U.S. Forest Service trail, bears NW. and SE.
18.60	Same trail, bears NE. and SW.
24.00	Same trail, bears NW. and SE.
33.00	Spur, slopes SW.; desc. 59 ft. over NW. slope.
37.00	Drain, course SW.; asc. 44 ft. over SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone 4x4x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{2}$ sec. cor., with brass cap marked
	S15 S14 1938
	No bearing trees available.
	Asc. 60 ft. over SW. slope.
44.50	Point of spur, slopes W. Drift fence on same, bears E. and W.
47.00	Ascend gradually over W. slope to
61.00	Draw, 10 lks. wide, course SW.; asc. 360 ft. over SW. slope.
77.80	Point of spur, slopes W.; desc. 32 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, with a stone 3x4x9 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 10, 11, 14 and 15, with brass cap marked

Chains

T5N	R13E.
S10	S11
S15	S14

1938

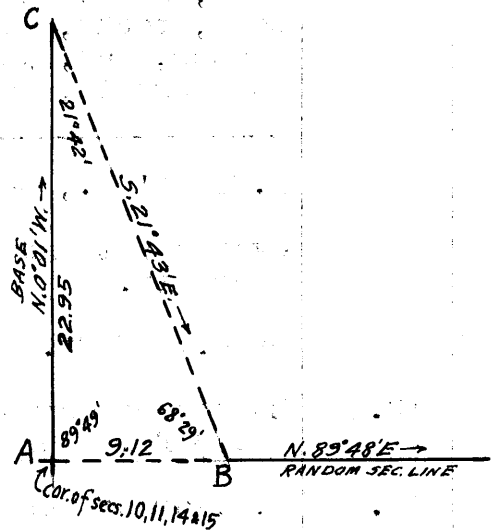
No bearing trees available.

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

N. 89°48' E., on random line, bet. secs. 11 and 14.

The western end of this line crosses a series of cliffs rendering chaining impracticable, therefore triangulate measurement to top of cliffs as follows:

Designating the cor. of secs. 10, 11, 14 and 15 as point "A", set flag "B" ahead on random line at top of cliffs, the vertical angle to which is +39¼°. From "A" chain a base N.0°01'W., 22.95 chs. to point "C", from which flag "B" bears S.21°43'E. Included angles of triangle "A-B-C" are 89°49', 68°29' and 21°42', the sum of which is 180°00'.



Triangulated dist. "A" to "B" = 9.12 chs. N.89°48' E.

- 9.12 Triangulate flag point "B". Continue line and measurement by chaining.
- 40.00 Set temp. ¼ sec. cor.
- 79.96 Intersect N. and S. line 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.
- Thence
- S.89°46' W., on true line, bet. secs. 11 and 14.
- Over mountainous land, thru scattering timber and dense undergrowth.
- Desc. 90 ft. over SW. slope.
- 22.30 U.S. Forest Service road, bears N. 10° W. and S. 60° E.
- 30.00 Swale, drains S.; leave dense and enter scattering undergrowth, bears N. and S. Asc. 110 ft. over SE. slope to
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a small mound of stone to top, for ¼ sec. cor., with brass cap marked

¼ S 11 / S 14

1938

from which

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

Chains

A juniper, 6 ins. in diam., bears N. $3\frac{3}{4}^{\circ}$ E., 218 lks. dist., marked $\frac{1}{4}$ S11 BT.

An oak, 8 ins. in diam., bears S. 77° W., 52 lks. dist., marked $\frac{1}{4}$ S14 BT.

Asc. 281 ft. over SE. slope.

61.00 Spur, slopes SW.; desc. 179 ft. over broken NW. slope.

68.00 Draw, course SW.; asc. 48 ft. over SE. slope to

70.84 Top of cliffs, bearing NE. and SW. facing NW.; desc. about 350 ft. Measurement to sec. cor. by triangulation.

71.50 (Approx.) Foot of cliffs, bearing NE. and SW.; desc. about 150 ft. over steep NW. slope to

79.96 Cor. of secs. 10, 11, 14 and 15.

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

N. $0^{\circ}01'$ W., bet. secs. 10 and 11.

Over mountainous land, thru scattering timber and undergrowth.

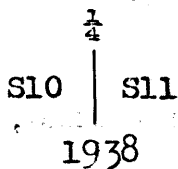
Desc. 187 ft. over NW. slope.

12.50 Bottom of Connor Canyon, 30 lks. wide, course SW.; asc. 673 ft. over SE. slope to $\frac{1}{4}$ sec. cor.

13.40 U.S. Forest Service trail, bears NE. and SW.

39.00 Rock slide, 4 chs. wide.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in slide rock to solid base with a stone $4 \times 8 \times 16$ ins. marked with a cross (+) deposited at base, and in mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked



No bearing trees available.

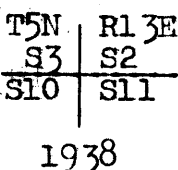
Asc. 320 ft. over SE. slope.

48.70 Spur, slopes S. 30° W.; desc. 120 ft. over NW. slope.

59.80 Head of ravine, course SW.; asc. 246 ft. over broken SW. and S. slopes.

79.40 Spur, slopes SE. from W.; desc. 7 ft. over N. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap marked



Chains	From which
	A juniper, 7 ins. in diam., bears N. $76\frac{1}{2}^{\circ}$ E., 41 lks. dist., marked T5N R13E S2 BT.
	A juniper, 6 ins. in diam., bears S. 46° E., 52 lks. dist., marked T5N R13E S11 BT.
	A juniper, 6 ins. in diam., bears S. $15\frac{3}{4}^{\circ}$ W., 51 lks. dist., marked T5N R13E S10 BT.
	A juniper, 18 ins. in diam., bears N. $84\frac{1}{4}^{\circ}$ W., 42 lks. dist., marked T5N R13E S3 BT.
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, oak and pinyon. Undergrowth, oakbrush, laurel, manzanita and cacti.
	N. $89^{\circ}46'$ E., on random line, bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 2 lks. S. of cor. of secs. 1, 2, 11 and 12.
	Thence
	S. $89^{\circ}45'$ W., on true line, bet. secs. 2 and 11.
	Over mountainous land, thru dense timber and undergrowth.
	Desc. 448 ft. over broken W. slope.
30.58	U.S. Forest Service trail, bears N. and S.
32.38	Bottom of Connor Canyon, 12 lks. wide, course S. 20° W. An improved spring and concrete tank, bear N. 28° E., 4.30 chs. dist. Asc. 216 ft. over broken SE. slope to
39.99	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
	$\frac{1}{4}$ $\frac{S\ 2}{S\ 11}$
	1938
	from which
	An oak, 6 ins. in diam., bears N. $8\frac{1}{4}^{\circ}$ E., 6 lks. dist., marked $\frac{1}{4}$ S2 BT.
	An oak, 6 ins. in diam., bears S. $4\frac{3}{4}^{\circ}$ W., 17 lks. dist., marked $\frac{1}{4}$ S11 BT.
	Asc. 256 ft. over SE. slope to
67.90	Bottom of ravine, course SE.; asc. 130 ft. over NE. slope to
79.98	Cor. of secs. 2, 3, 10 and 11.
	Land, mountainous. Soil, rocky, 4th rate. Timber, oak and juniper. Undergrowth, oakbrush, laurel and manzanita.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

52

Chains	
	N. 0°01' W., on random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.97	Intersect N. bdy. of the Tp. 6 lks. E. of the cor. of secs. 2, 3, 34 and 35, hereinbefore described.
	Thence
	S. 0°04' E., on true line, bet. secs. 2 and 3.
	Over mountainous land, thru dense timber and undergrowth.
	Asc. 15 ft. over NE. slope.
2.87	Spur slopes E.; desc. 299 ft. over SE. slope.
13.17	Trail, bears E. and W.
16.47	Fork of Rose Creek, course E.; asc. 231 ft. over steep N. slope to
18.97	N. rim of top of ridge bearing E. and W. Thence across nearly level top of ridge. Drainage divide bet. Rose Creek and Connor Canyon.
29.97	S. rim of top of ridge bears E. and W. Leave top of ridge. Timber becomes scattering. Desc. 400 ft. over S. slope to
39.97	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
	$\frac{1}{4}$ S3. S2 1938
	No bearing trees available.
	Raise a mound of stone; 3 ft. base, 2 ft. high, W: of cor.
	Desc. 604 ft. over S. slope.
71.97	Bottom of ravine, course SE.; asc. 69 ft. over NE. slope to
79.97	Cor. of secs. 2, 3, 10 and 11.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, oak, juniper, pinyon and pine.
	Undergrowth, oakbrush, laurel, manzanita and catclaw.
	From the Std. cor. of secs. 33 and 34, on S. bdy. of Tp. (1st Std. Par. N.), hereinbefore described,
	N. 0°02' W., bet. secs. 33 and 34.
	Over gently rolling land, thru scattering timber and undergrowth.
	Asc. gradually over SE. slope.
30.00	An improved spring and stock trough, bears W., 3.50 chs.
35.00	Desc. 22 ft. over NW. slope.

Chains

37.40 Wash, course S. 20° W., from N. 5° W.; asc. 10 ft. over SW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock with a stone 3x3x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S33 | S34
 1938

No bearing trees available.

Asc. 52 ft. over SW. slope.

45.00 Spur, slopes SE.; desc. 39 ft. over NE. slope.

45.40 Dim trail, bears NW. and SE.

51.00 Wash, 12 lks. wide, course E.; asc. 65 ft. over S. slope to

60.00 Thence over nearly level land.

79.20 Fence (4 wire) bears N. 73° 14' E. and S. 73° 14' W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock with a stone 2x4x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T5N | R13E
 S28 | S27
 S33 | S34

1938

No bearing trees available.

Land, gently rolling and nearly level.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde, mesquite, ironwood and cottonwood.

Undergrowth, catclaw, greasewood, oakbrush and cacti.

N. 89° 51' E., on random line, bet. secs. 27 and 34.

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

79.98 Intersect N. and S. line 4 lks. N. of cor. of secs. 26, 27, 34 and 35.

Thence

S. 89° 53' W., on true line, bet. secs. 27 and 34.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 43 ft. over SE. slope.

2.90 Spur, slopes S. 20° W.; desc. 121 ft. over W. slope.

8.70 Wash, 6 lks. wide, course SW.; asc. 129 ft. over SE. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

54

Chains

- 15.10 Spur, slopes SW.; desc. 83 ft. over W. slope.
- 21.00 Drain 3 lks. wide, course SW.; asc. 39 ft. over E. slope.
- 26.80 Spur, slopes SW.; desc. 122 ft. over W. slope.
- 36.00 Wash, 15 lks. wide, course S.; asc. 45 ft. over SE. slope to
- 39.99 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

$$\frac{1}{4} \begin{array}{l} S 27 \\ S 34 \end{array}$$

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Asc. 72 ft. over SE. slope.

- 46.90 Spur, slopes SW.; desc. 124 ft. over NW. slope to Connor Wash.

53.60 Leave mountainous and enter gently rolling land.

- 61.00 Connor Wash, 30 lks. wide; course S.; asc. 22 ft. over SE. slope to

66.50 Thence over nearly level land.

- 79.00 Fence (5 wire) bears N. 9°27' W. and S. 23½° E.

79.98 Cor. of secs. 27, 28, 33 and 34.

Land, mountainous, gently rolling and nearly level.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde, mesquite and ironwood.

Undergrowth, catclaw, oakbrush, greasewood and cacti.

N. 0°02' W., bet. secs. 27 and 28.

Over nearly level land, thru scattering timber and undergrowth.

- 6.50 Fence (4 wire) bears N. 8° W. and S. 8° E.

- 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

 $\frac{1}{4}$

S28 | S27

1938

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Thence over gently rolling land thru scattering timber and undergrowth.

Ascend 50 ft. over SE. slope to

Chains							
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked</p> <table border="1" data-bbox="714 470 909 591"> <tr> <td>T5N</td> <td>R13E</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> <tr> <td>S28</td> <td>S27</td> </tr> </table> <p>1938</p> <p>No bearing trees available.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level and gently rolling. Soil, rocky, 4th rate. Timber, palo verde and mesquite. Undergrowth, greasewood, oakbrush and cacti.</p>	T5N	R13E	S21	S22	S28	S27
T5N	R13E						
S21	S22						
S28	S27						
	<p>N. 89°53' E., on random line, bet. secs. 22 and 27.</p>						
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>						
80.02	<p>Intersect N. and S. line 5 lks. S. of cor. of secs. 22, 23, 26 and 27.</p>						
	<p>Thence</p>						
	<p>S. 89°51' W., on true line, bet. secs. 22 and 27.</p>						
	<p>Over mountainous land, thru scattering timber and undergrowth.</p>						
	<p>Asc. 10 ft. over SE. slope.</p>						
0.52	<p>Spur, slopes S. 40° W.; descend 402 ft. over broken NW. slope.</p>						
27.32	<p>Wash, 15 lks. wide, course SW.; asc. 143 ft. over E. slope to</p>						
40.01	<p>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</p>						
	<table border="1" data-bbox="698 1827 860 1908"> <tr> <td>$\frac{1}{4}$</td> <td>S 22</td> </tr> <tr> <td></td> <td>S 27</td> </tr> </table>	$\frac{1}{4}$	S 22		S 27		
$\frac{1}{4}$	S 22						
	S 27						
	<p>1938</p>						
	<p>No bearing trees available.</p>						
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>						
	<p>Asc. 27 ft. over E. slope.</p>						
41.82	<p>Spur, slopes S.; desc. 173 ft. over W. slope.</p>						
56.72	<p>Connor Wash, 25 lks. wide, course S.; asc. 143 ft. over SE. slope.</p>						
58.50	<p>Trail, bears N. and S.</p>						
65.12	<p>Top of ascent on S. side of knoll; desc. 143 ft. over SW. slope.</p>						
71.02	<p>Wash, 15 lks. wide, course S. Enter gently rolling land;</p>						

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

56

Chains	
80.02	<p>asc. 28 ft. over SE. slope to Cor. of secs. 21, 22, 27 and 28.</p> <p>Land, mountainous and gently rolling. Soil, rocky, 4th rate. Timber, palo verde and mesquite. Undergrowth, oakbrush, greasewood and cacti.</p>
	<p>N. 0°02' W., bet. secs. 21 and 22.</p>
	<p>Over gently rolling land, thru scattering timber and undergrowth.</p>
	<p>Asc. 74 ft. over SE. slope.</p>
19.00	<p>Desc. 20 ft. over NE. slope.</p>
21.54	<p>Wash, course S. 30° E.; asc. 94 ft. over SW. slope.</p>
34.70	<p>Point of spur slopes W.; desc. 14 ft. over NW. slope.</p>
37.20	<p>Same wash, course S. 30° W. from N., thence along W. bank of wash, ascending gradually to</p>
39.20	<p>Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock with a stone 6x6x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked</p>
	<p style="text-align: center;">WC $\frac{1}{4}$ S21 S22 1938</p>
	<p>No bearing trees available.</p>
39.50	<p>Enter bed of same wash, course S.</p>
40.00	<p>True point for $\frac{1}{4}$ sec. cor. falls in same wash, where it is impracticable to monument the cor., therefore estab- lish witness cor., S. 0°02' E., 80 lks. dist.</p>
	<p>Ascend gradually in bed of wash.</p>
44.10	<p>Leave wash, course S. from NE. Enter mountainous land. Asc. 131 ft. over SE. slope.</p>
48.86	<p>Fence (4 wire) bears N. 24$\frac{1}{2}$° E. and S. 24$\frac{1}{2}$° W.</p>
58.75	<p>Spur slopes SW. from E.; dim road on top of same. Desc. 127 ft. over N. slope.</p>
65.90	<p>Wash, course W.; asc. 41 ft. over S. slope.</p>
70.00	<p>Point of spur, slopes S. 60° W.; desc. 16 ft. over NW. slope.</p>
74.67	<p>Wash, course S. 30° W.; asc. 79 ft. over SE. slope to</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap marked</p>

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

BOOK 4190

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Chains							
	<table border="1" style="margin: auto;"> <tr> <td>T5N</td> <td>R13E</td> </tr> <tr> <td>S16</td> <td>S15</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> </table>	T5N	R13E	S16	S15	S21	S22
T5N	R13E						
S16	S15						
S21	S22						
	1938						
	No bearing trees available.						
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.						
	Land, gently rolling and mountainous. Soil, rocky, 3rd and 4th rates. Timber, paloverde and mesquite. Undergrowth, greasewood and cacti.						
	N. 89°51' E., on random line, bet. secs. 15 and 22.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.04	Intersect the cor. of secs. 14, 15, 22 and 23. Thence						
	S. 89°51' W., on true line, bet. secs. 15 and 22.						
	Over mountainous land, thru scattering timber and undergrowth.						
	Asc. 60 ft. over SE. slope.						
10.18	Improved trail, bears N. 60° E. and S. 60° W., 5 chs. to end of dim road.						
11.29	Spur, slopes SW.; desc. 222 ft. over NW. slope.						
32.32	Connor Wash, 20 lks. wide, course SW. in bottom of Connor Canyon; asc. 76 ft. over SE. slope.						
38.84	Spur, slopes S. 30° W.; desc. 23 ft. over W. slope to						
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	$\frac{1}{4} \frac{S-15}{S-22}$						
	1938						
	No bearing trees available.						
	Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.						
	Desc. 177 ft. over W. slope.						
46.62	Wash, course SW.; asc. 134 ft. over SE. slope.						
54.04	Spur, slopes S. 30° W.; desc. 184 ft. over W. slope.						
61.47	Wash, course S.; asc. 132 ft. over E. slope.						
68.04	Spur, slopes S.; desc. 189 ft. over W. slope.						
70.10	Fence (4 wire) bears N. 16 $\frac{1}{2}$ ° E. and S. 16 $\frac{1}{2}$ ° W.						
77.62	Wash, course S. 30° W., asc. 42 ft. over SE. slope to						
80.04	Cor. of secs. 15, 16, 21 and 22.						

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains

Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde and mesquite.
Undergrowth, cacti and greasewood.

N. 0°02' W., bet. secs. 15 and 16.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 124 ft. over SE. slope.

18.90 Spur, slopes S. 10° W. ascend gradually along W. slope of same.

36.90 Wash, 20 lks. wide, course SW.; asc. 29 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 2x4x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S16		S15
1938		

No bearing trees available.

Asc. 332 ft. over SE. slope.

58.30 Spur, slopes SW.; desc. 70 ft. over NW. slope.

72.40 Head of draw, course SW.; asc. 94 ft. over SW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock with a stone 3x3x9 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 9, 10, 15 and 16, with brass cap marked

T5N	R13E
S9	S10
S16	S15
1938	

No bearing trees available.

Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, palo verde and mesquite.
Undergrowth, oakbrush, laurel and cacti.

N. 89°51' E., on random line, bet. secs. 10 and 15.

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

48.76 Triangulation point "A".

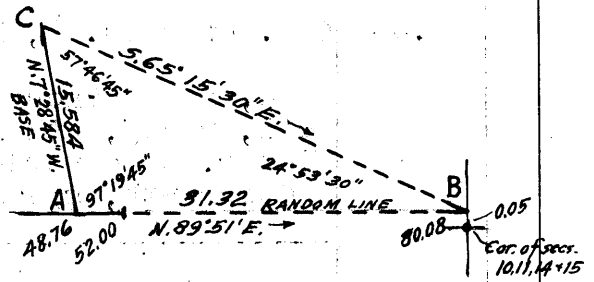
52.00 W. Rim of Connor Canyon, bears N. and S. 30° E. Discontinue chaining at this point, owing to cliffs on each side of the canyon, and triangulate measurement of the remainder of the random line as follows:

Chains

Designate 48.76 ch. station on random line as "A" and set flag "B" N.89°51' E. therefrom and 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

From "A" chain a base N.7° 28'45" W., 15.584 chs. to point "C", from which flag "B" bears S.65°15'30" E.

Included angles of triangle "A-B-C" are, 97°19'45", 24°53'30" and 57°46'45", the sum of which is 180°00'.

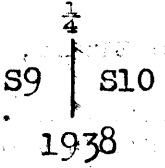
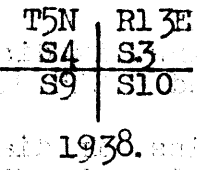


Chained dist. on random line to "A" = 48.76 chs. N.89°51' E.
 Triangulated dist. from "A" to "B" = 31.32 chs. N.89°51' E.
 Total length of random sec. line = 80.08 chs. N.89°51' E.

- 80.08 Intersect N. and S. line 5 lks. N. of cor. of secs. 10, 11, 14 and 15.
- Thence
- S.89°53' W., on true line, bet. secs. 10 and 15.
- Over mountainous land, thru scattering timber and undergrowth, chaining measurement to top of cliffs. Desc. 40 ft. over NW. slope.
- 8.80 U.S. Forest Service trail, bears NE. and SW.
- 9.10 Top of cliffs, bearing NE. and S., facing W. Discontinue chaining. Measurement across canyon by triangulation, hereinbefore described. Desc. about 180 ft. to
- 18.50 (Approx.) Bottom of Connor Canyon, 20 lks. wide, course SW. from NE. Asc. about 180 ft. over cliffs facing E.
- 28.08 Top of cliffs, bearing N. and S. 30° E. and W. rim of Connor Canyon. Resume chaining. Over gently rolling land, on mesa. Asc. 46 ft. over NE. slope to
- 40.04 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
- $\frac{1}{4} \frac{S 10}{S 15}$
- 1938
- from which
- A juniper, 6 ins. in diam., bears S. 80° W., 176 lks. dist., marked $\frac{1}{4}$ S15 BT.
- A juniper, 6 ins. in diam., bears N. 16° W., 308 lks. dist., marked $\frac{1}{4}$ S10 BT.
- Continue over gently rolling land on mesa.
- Asc. 10 ft. over NE. slope.
- 42.90 W. rim of mesa, bears N. 10° E. and S. 10° W. Leave mesa and enter mountainous land; desc. 688 ft. over steep NW. slope.
- 61.80 Wash, 20 lks. wide, course SW.; asc. 50 ft. over SE. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	<p>72.60 Spur, slopes S. 30° W.; desc. 56 ft. over SW. slope to</p> <p>80.08 Cor. of secs. 9, 10, 15 and 16.</p> <p>Land, mountainous and gently rolling. Soil, rocky, 4th rate. Timber, palo verde, mesquite and juniper. Undergrowth, greasewood, oakbrush and cacti.</p>
	<p>N. 0°02' W., bet. secs. 9, and 10.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Asc. 648 ft. over SW. slope to.</p> <p>25.50 Foot of cliffs, bearing NW. and SE. facing SW. Asc. 280 ft. over cliffs to</p> <p>31.00 Top of cliffs and rim of mesa, bears NW. and SE. Thence over level land on mesa.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, with a stone 2x8x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <div style="text-align: center;">  </div> <p>No bearing trees available.</p> <p>Continue over level land on mesa, thru scattering timber and undergrowth.</p>
52.00	Rim of mesa bears NE. and SW. Leave mesa and reenter mountainous land. Desc. 197 ft. over NW. slope.
60.50	Bottom of ravine, course SW.; asc. 374 ft. over S. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock with a stone 2x8x10 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 3, 4, 9 and 10, with brass cap marked
	<div style="text-align: center;">  </div> <p>No bearing trees available.</p> <p>Land, mountainous and level. Soil, rocky, 4th rate. Timber, juniper and palo verde. Undergrowth, oakbrush and cacti.</p>
40.00	<p>N. 89°53' E., on random line, bet. secs. 3 and 10.</p> <p>Set temp. ¼ sec. cor.</p>

Chains	
80.06	Intersect N. and S. line 9 lks. S. of the cor. of secs. 2, 3, 10 and 11.
	Thence
	S. 89°49' W., on true line, bet. secs. 3 and 10.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 74 ft. over NE. slope.
15.06	Ridge, bears N. and S. At about 1 ch. S. of this point a spur slopes E.; desc. 385 ft. over SW. slope.
25.06	Fence (4 wire) bears N. and S.
27.46	Wash, 20 lks. wide, course SW.; asc. 396 ft. over SE. slope to
40.03	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, with a stone 2x2x4 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 3}{S 10}$
	1938
	No bearing trees available.
	Asc. 27 ft. over SE. slope.
41.46	Spur, slopes SW.; desc. 219 ft. over NW. slope.
49.66	Bottom of ravine, course NW. near head; asc. 106 ft. over NE. slope.
57.16	Spur, slopes NW.; desc. 106 ft. over SW. and S. slopes to
80.06	Cor. of secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, oak and juniper.
	Undergrowth, oakbrush, laurel and cacti.
40.00	N. 0°02' W.;, on random line, bet. secs. 3 and 4. Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect N. bdy. of the Tp. 18 lks. E. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described.
	Thence
	S. 0°10' E., on true line, bet. secs. 3 and 4.
	Over mountainous land, thru dense timber and undergrowth.
	Asc. 45 ft. over NW. slope.
11.56	Spur, slopes W.; desc. 162 ft. over SW. slope.
19.36	Draw, 10 lks. wide, course W.; asc. 21 ft. over N. slope.
26.56	Spur, slopes W.; desc. 168 ft. over SW. slope to

Chains	
39.86	<p>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</p> <p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S4 S3</p> <p style="text-align: center;">1938</p> <p>No bearing trees available.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Desc. 336 ft. over SW. slope.</p>
44.16	Fence, bears E. and W. Thence across pasture corral, about 8 chs. square.
52.16	Fence, bears E. and W. Leave pasture corral.
57.76	Bottom of ravine, 10 lks. wide, course SW.; asc. 273 ft. over NW. slope.
78.40	Spur, slopes SW.; desc. 10 ft. over S. slope to
79.86	Cor. of secs. 3, 4, 9 and 10.
	<p>Land, mountainous.</p> <p>Soil, rocky, 4th rate.</p> <p>Timber, oak, juniper and pinyon.</p> <p>Undergrowth, oakbrush, manzanita, laurel and mahogany.</p>
	<p>From the Std. cor. of secs. 32 and 33, on S. bdy. of Tp. (1st Std. Parallel N.) hereinbefore described.</p>
	N. 0°02' W., bet. secs. 32 and 33.
	Over mountainous land, thru scattering undergrowth.
	Asc. 113 ft. over rolling E. slope to
34.08	Wash, course SE.; asc. 72 ft. over S. slope to
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone 6x6x5 ins. marked with a cross (+) deposited at base, 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;">S32 S33</p> <p style="text-align: center;">1938</p>
	Asc. 16 ft. over S. slope to
41.00	Rim, bears W. and NE. Leave mountainous and enter gently rolling land. Asc. 115 ft. over gradual S. slope to sec. cor.
77.60	Dim road, bears NE. and S. 70° W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked

Chains

T5N R13E
 S29 | S28
 S32 | S33
 1938

Raise mound of stone 4 ft. base, 3 ft. high, W. of cor.

Land, mountainous and gently rolling.

Soil, rocky, 3rd and 4th rates.

Timber, none.

Undergrowth, scrub palo verde, catclaw and cacti.

N. 89°52' E., on random line, bet. secs. 28 and 33.

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

80.10 Intersect N. and S. line 9 lks. N. of the cor. of secs.
27, 28, 33 and 34.

Thence

S. 89°56' W., on true line, bet. secs. 28 and 33.

Over gently rolling land, thru scattering undergrowth.

Desc. 105 ft. over SW. slope.

8.54 Wash, course S.

11.30 Wash, course SE. Enter mountainous land, asc. 195 ft.
over E. slope to

18.60 Rim of mesa bears N. and S. Thence over nearly level land
on mesa.

35.67 Dim road bears N. 15° E. and S. 15° W.

36.54 Rim of mesa, bears N. 15° E. and S. 15° W. Reenter
mountainous land. Desc. 36 ft. over W. slope to

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

$\frac{1}{4}$ $\frac{S\ 28}{S\ 33}$

1938

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of
cor.

Desc. 69 ft. over W. slope.

44.30 Schell Gulch, 20 lks. wide, course S. 15° W.; asc. 157 ft.
over E. slope.

61.20 Spur, slopes S.; desc. 96 ft. over W. slope.

69.23 Wash, course S. 20° W. Fence (4 wire) bears N. 58 $\frac{1}{4}$ ° W.
and S. 58 $\frac{1}{4}$ ° E. Thence over gently rolling land. Asc.
34 ft. over SE. and S. slopes to sec. cor.

76.60 Dim road, bears NE. and SW.

80.10 Cor. of secs. 28, 29, 32 and 33.

Land, gently rolling, nearly level and mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, none.

Undergrowth, scrub palo verde, catclaw and cacti.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	N. 0°02' W., bet. secs. 28 and 29. Over gently rolling land, thru scattering undergrowth. Asc. 170 ft. over S. slope.												
6.70	Fence (4 wire) bears N. 57 $\frac{3}{4}$ ° W. and S. 58 $\frac{1}{4}$ ° E.												
23.00	Low ridge, bears E. and W.; desc. 35 ft. over N. slope to												
35.00	Foot of descent, bears E. and W. Thence over nearly level land.												
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked												
	$\frac{1}{4}$ <table style="margin: auto;"> <tr> <td>S29</td> <td> </td> <td>S28</td> </tr> <tr> <td colspan="3" style="text-align: center;">1938</td> </tr> </table>	S29		S28	1938								
S29		S28											
1938													
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.												
	SW. cor. of corral enclosed by Page wire fence, bears N. 34°02' E., 14.54 chs. dist.												
	Thence over gently rolling land. Asc. 34 ft. over SE. slope.												
40.20	Dim road, bears NE. and SE.												
58.00	Low spur, slopes SW.; desc. 60 ft. over NW. slope to												
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap marked												
	<table style="margin: auto;"> <tr> <td>T5N</td> <td> </td> <td>R13E</td> </tr> <tr> <td>S20</td> <td> </td> <td>S21</td> </tr> <tr> <td>S29</td> <td> </td> <td>S28</td> </tr> <tr> <td colspan="3" style="text-align: center;">1938</td> </tr> </table>	T5N		R13E	S20		S21	S29		S28	1938		
T5N		R13E											
S20		S21											
S29		S28											
1938													
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.												
	Land, gently rolling and nearly level. Soil, rocky, 3rd and 4th rates. Timber, none. Undergrowth, scrub palo verde, catclaw and cacti.												
	N. 89°56' E., on random line, bet. secs. 21 and 28.												
40.00	Set temp. $\frac{1}{4}$ sec. cor.												
80.12	Intersect N. and S. line 4 lks. N. of the cor. of secs. 21, 22, 27 and 28.												
	Thence												
	S. 89°58' W., on true line, bet. secs. 21 and 28.												
	Over gently rolling land, thru scattering undergrowth. Asc. 45 ft. over SE. slope.												
7.12	Fence (4 wire) bears N. 2 $\frac{1}{2}$ ° W. and S. 2 $\frac{1}{2}$ ° E.												

Chains

- 16.92 Fence (4 wire) bears N. $71\frac{1}{4}^{\circ}$ W. and S. $71\frac{1}{4}^{\circ}$ E.
- 18.82 Low spur, slopes S. Dim road bears N. 15° E. and S.
Desc. 45 ft. over W. slope to
- 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone 4x4x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\frac{1}{4} \begin{array}{c} S 21 \\ S 28 \end{array}$$
- 1938
- Thence over rolling and mountainous land.
- Desc. 109 ft. over W. slope.
- 53.43 Schell Gulch, 20 lks. wide, course S.; asc. 130 ft. over E. slope.
- 70.60 Spur slopes S.; desc. 123 ft. over NW. slope to
- 80.12 Cor. of secs. 20, 21, 28 and 29.
- Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, none.
Undergrowth, scrub palo verde and catclaw.
-
- N. $0^{\circ}02'$ W., bet. secs. 20 and 21.
- Over rolling land, thru scattering undergrowth.
- Desc. 26 ft. over NW. slope.
- 9.50 Wash, course SW.; asc. 31 ft. over SE. slope.
- 13.90 Point of spur, slopes SE.; desc. 10 ft. over NE. slope.
- 19.80 Same wash, course SE.; asc. 155 ft. over W. and SW. slopes to $\frac{1}{4}$ sec. cor.
- 21.76 Fence (4 wire) bears N. $71\frac{1}{4}^{\circ}$ W. and S. $71\frac{1}{4}^{\circ}$ E.
- 31.74 Enter mountainous land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock with a stone 8x5x5 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\frac{1}{4} \begin{array}{c} S20 \\ S21 \end{array}$$
- 1938
- Asc. 155 ft. over SW. slope.
- 49.00 Spur, slopes W.; desc. 26 ft. over NW. slope.
- 54.17 Head of wash, course W.; asc. 52 ft. over SW. slope.
- 59.00 Spur, slopes W. Enter rolling land; desc. 23 ft. over N. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains							
67.90	Wash, course SW.; asc. 30 ft. over SW. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 16, 17, 20 and 21; with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T5N</td> <td>R13E</td> </tr> <tr> <td>S17</td> <td>S16</td> </tr> <tr> <td>S20</td> <td>S21</td> </tr> </table>	T5N	R13E	S17	S16	S20	S21
T5N	R13E						
S17	S16						
S20	S21						
	1938						
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.						
	Land, rolling and mountainous. Soil, rocky, 3rd and 4th rates. Timber, none. Undergrowth, scrub palo verde and catclaw.						
40.00	N. 89°58' E., on random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.						
80.12	Intersect N. and S. line 12 lks. S. of the cor. of secs. 15, 16, 21 and 22. Thence S. 89°53' W., on true line, bet. secs. 16 and 21. Over mountainous land, thru scattering undergrowth. Asc. 35 ft. over SE. slope.						
2.92	Spur, slopes S. 30° W.; desc. 102 ft. over W. slope.						
7.55	Wash, course S. 30° W. Enter rolling land. Asc. 10 ft. over SE. slope.						
11.12	Point of spur, slopes S.; desc. 32 ft. over SW. slope.						
14.22	Wash, course S.; asc. 98 ft. over E. slope to						
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock with a stone 8x6x4 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>$\frac{1}{4}$</td> <td>S 16</td> </tr> <tr> <td></td> <td>S 21</td> </tr> </table>	$\frac{1}{4}$	S 16		S 21		
$\frac{1}{4}$	S 16						
	S 21						
	1938						
	Asc. 6 ft. over E. slope.						
44.77	Spur, slopes S. Enter mountainous land; desc. 83 ft. over W. slope.						
49.40	Wash, course SE.; asc. 107 ft. over E. slope.						
58.10	Spur, slopes S. Enter rolling land. Desc. 55 ft. over SW. slope to						
80.12	Cor. of secs. 16, 17, 20 and 21. Land, mountainous and rolling. Soil, rocky, 3rd and 4th rates. Timber, none. Undergrowth, scrub palo verde and catclaw.						

Chains

N. 0°02' W., bet. secs. 16 and 17.

Over rolling land, thru scattering undergrowth.

Asc. 11 ft. over SW. slope.

3.80 Desc. 47 ft. over NW. slope.

7.05 Wash, course SW.; asc. 94 ft. over SE. slope.

22.50 Spur, slopes SW.; desc. 15 ft. over NW. slope.

29.47 Wash, course SW.; asc. 95 ft. over SE. slope to

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

$$\begin{array}{c} \frac{1}{4} \\ | \\ S17 \quad | \quad S16 \\ | \\ 1938 \end{array}$$

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Asc. 101 ft. over SE. slope.

60.35 Spur, slopes SW.; desc. 5 ft. over NW. slope.

62.25 Wash, course SW. Enter mountainous land; asc. 79 ft. over SW. slope to

79.18 Wash, course SW.; asc. 10 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground to bedrock with a stone 4x4x4 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 8, 9, 16 and 17, with brass cap marked

$$\begin{array}{c} T5N \quad R13E \\ S8 \quad | \quad S9 \\ \hline S17 \quad | \quad S16 \\ | \\ 1938 \end{array}$$

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, none.

Undergrowth, catchlaw and scrub paloverde.

N. 89°53' E., on random line, bet. secs. 9 and 16.

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

80.10 Intersect N. and S. line 2 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence

S. 89°54' W., on true line, bet. secs. 9 and 16.

Over mountainous land, thru scattering undergrowth.

Desc. 20 ft. over SW. slope.

1.60 Wash, course S.; asc. 114 ft. over E. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	
10.40	Spur, slopes S.; desc. 274 ft. over SW. slope.
32.08	Wash, course S. Enter rolling land; asc. 54 ft. over SE. slope to
40.05	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock with a stone 6x8x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 9 \\ S 16 \end{array}$
	1938
	Asc. 133 ft. over SE. slope.
47.00	Enter mountainous land.
53.10	Spur, slopes S.; desc. 211 ft. over W. slope.
65.63	Wash, course SW.; asc. 55 ft. over SE. slope.
76.48	Point of spur, slopes S.; desc. 51 ft. over SW. slope.
79.90	Wash, course SW.; asc. slightly over SE. slope to
80.10	Cor. of secs. 8, 9, 16 and 17.
	Land, mountainous and rolling. Soil, rocky, 3rd and 4th rates. Timber, none. Undergrowth, scrub palo verde, catclaw and cacti.
	N. 0°02' W., bet. secs. 8 and 9.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 195 ft. over SE. slope.
12.00	Spur, slopes SW.; desc. 113 ft. over NW. slope.
20.33	Wash, course SW.; asc. 385 ft. over SE. slope.
39.00	Spur, slopes SW.; desc. 9 ft. over NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 8 \\ S 9 \end{array}$
	1938
	from which
	A juniper, 8 ins. in diam., bears N. 15° E., 176 lks. dist., marked $\frac{1}{4}$ S9 BT.
	A juniper, 12 ins. in diam., bears N. 35 $\frac{1}{2}$ ° W., 38 lks. dist., marked $\frac{1}{4}$ S8 BT.
	Desc. 229 ft. over NW. slope.
60.65	Wash, course S. 60° W.; asc. 376 ft. over steep SE. slope to

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap marked

T5N	R13E
S5	S4
S8	S9

1938

from which

A juniper, 12 ins. in diam., bears N. 73° E., 106 lks. dist., marked T5N R13E S4 BT.

A juniper, 12 ins. in diam., bears S. 57½° E., 109 lks. dist., marked T5N R13E S9 BT.

A juniper, 15 ins. in diam., bears S. 4¼° W., 48 lks. dist., marked T5N R13E S8 BT.

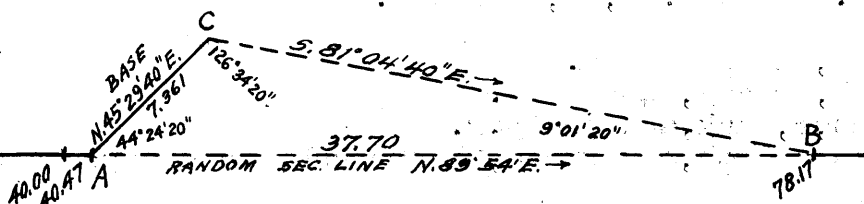
A juniper, 15 ins. in diam., bears N. 74° W., 171 lks. dist., marked T5N R13E S5 BT.

Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, juniper.
Undergrowth, oakbrush, catclaw, palo negra and cacti.

N. 89° 54' E., on random line, bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

40.47 Discontinue chaining at this point owing to a deep rocky ravine ahead, with precipitous broken sides. Triangulate measurement as follows:



Designate 40.47 ch. station on random line as "A" and set a flag "B" ahead on line, the vertical angle to which is + 14½°. From "A" chain a base N. 45° 29' 40" E., 7.361 chs. to point "C" from which flag "B" bears S. 81° 04' 40" E. A longer base is impracticable. Included angles of the triangle "A-B-C" are, 44° 24' 20", 9° 01' 20", and 126° 34' 20", the sum of which is 180° 00'.

Chained measurement on random line to "A" = 40.47 chs.

N. 89° 54' E.

Triangulated measurement on random line

"A" to "B" = 37.70 chs.

N. 89° 54' E.

Dist. sec. cor. to station "B" = 78.17 chs.

N. 89° 54' E.

78.17 Triangulation flag point "B".

Resume chaining and continue line and measurement.

80.08 Intersect N. and S. line 7 lks. S. of the cor. of secs. 3, 4, 9 and 10.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	
	Thence
	S. 89° 51' W., on true line, bet. secs. 4 and 9.
	Over mountainous land, thru scattering timber and undergrowth.
	Along S. slope to
1.91	Top of cliffs, bearing NE. and SW., facing NW., and point of spur sloping SW. Discontinue chaining. Measurement across ravine by triangulation. Descend about 800 ft. over NW. faces of cliffs.
18.00	(Approx.) Wash, 10 lks. wide, in bottom of ravine, course SW.; asc. about 185 ft. over steep broken SE. slope to
39.61	Spur, slopes S. Resume chaining and continue line and measurement. Desc. 12 ft. over SW. slope to
40.04	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 2x3x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 4}{S 9}$
	1938
	No bearing trees available.
	Desc. 90 ft. over SW. slope to
43.63	Wash, course SW.; desc. 310 ft. over SW. slope.
69.42	Wash, course S.; asc. 148 ft. over SE. slope to
80.08	Cor. of secs. 4, 5, 8 and 9.
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, oak, and juniper.
	Undergrowth, oakbrush, buckbrush, palo negra and catclaw.
	N. 0° 02' W., on random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.93	Intersect N. bdy. of the Tp. 16 lks. W. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.
	Thence
	S. 0° 05' W., on true line, bet. secs. 4 and 5.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Asc. 36 ft. over NW. slope.
4.93	Spur, slopes SW.; desc. 210 ft. over SE. slope.
17.93	Wash, course SW.; asc. 25 ft. over NW. slope.
30.09	Desc. 28 ft. over SW. slope.
35.15	Asc. 31 ft. over NW. slope.

Chains

- 38.61 Desc. 30 ft. over SW. slope to
- 39.93 Set an iron post, 3 ft. long, 1 in. in diam., 11 ins. in the ground to bedrock with a stone 4x4x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
S5 | S4
1938
- No bearing trees available.
- Desc. slightly over SW. slope.
- 40.32 Wash, course W.; asc. 302 ft. over NW. slope.
- 56.23 Ridge, bears E. and SW.; desc. 343 ft. over SE. slope to
- 79.93 Cor. of secs. 4, 5, 8 and 9.
- Land, mountainous.
Soil, rocky, 4th rate.
Timber, oak and juniper.
Undergrowth, oakbrush, laurel, buckbrush and catclaw.
-
- From the std. cor. of secs. 31 and 32, on S. bdy. of Tp. (1st Std. Par. N.) hereinbefore described.
- N. 0°03' W., bet. secs. 31 and 32.
- Over nearly level land, thru scattering timber and undergrowth.
- 6.70 U.S. Forest Service telephone line; (2 wire) bears N. 85 $\frac{1}{4}$ ° W. and S. 85 $\frac{1}{4}$ ° E.
- 25.50 Rim, bears NE. and SW. Enter rolling land; desc. 119 ft. over NW. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock with a stone 2x4x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
S31 | S32
1938
- No bearing trees available.
- Desc. slightly over NW. slope.
- 40.20 Drain, course SW.; asc. 22 ft. over SE. slope to
- 42.00 Spur, slopes SW.; asc. 32 ft. over W. slope.
- 45.20 Fence (4 wire) bears S. 87°26' E. and N. 87°55' W.
- 60.50 Drain, course SW.; enter mountainous land; asc. 132 ft. over S. slope.
- 76.50 Spur, slopes SW. Enter rolling land; asc. gradually over W. slope to

Chains	<p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock with a stone 2x6x6 ins. marked with a cross (x) deposited at base, and in a mound of stone to top, for cor. of secs. 29, 30, 31 and 32, with brass cap marked</p> <div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr> <td>T5N</td> <td>R13E</td> </tr> <tr> <td>S30</td> <td>S29</td> </tr> <tr> <td>S31</td> <td>S32</td> </tr> </table> <p>1938</p> </div> <p>No bearing trees available.</p> <p>Land, nearly level, rolling and mountainous. Soil, rocky, 3rd and 4th rates. Timber, palo verde and mesquite. Undergrowth, catclaw and cacti.</p>	T5N	R13E	S30	S29	S31	S32
T5N	R13E						
S30	S29						
S31	S32						
40.00	<p>N. 89°57' E., on random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor.</p>						
80.00	<p>Intersect N. and S. line 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.</p>						
	<p>Thence</p>						
	<p>S. 89°56' W., on true line, bet. secs. 29 and 32. Over gently rolling land, thru scattering timber and undergrowth.</p>						
	<p>Descend gradually over S. and SW. slopes.</p>						
17.70	<p>Rim, bears N. and S. Enter mountainous land; desc. 212 ft. over W. slope to</p>						
29.50	<p>Foot of descent, bears N. and S.; thence over nearly level land in bottom of Armer Gulch.</p>						
29.90	<p>Pipe line, (2 ins. diam.) bears N. and S.</p>						
31.90	<p>Armer Wash, 25 lks. wide, course S. J.B. Watson's house, bears S. 20$\frac{1}{2}$° W., 9.60 chs. dist. Leave bottom of Armer Gulch. Asc. 65 ft. over steep E. slope.</p>						
34.20	<p>W. rim of gulch, bears N. and S.; thence over nearly level land.</p>						
38.20	<p>Fence (4 wire) bears NE. and SW.</p>						
40.00	<p>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</p> <div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr> <td>$\frac{1}{4}$</td> <td>S 29</td> </tr> <tr> <td></td> <td>S 32</td> </tr> </table> <p>1938</p> </div> <p>No bearing trees available.</p>	$\frac{1}{4}$	S 29		S 32		
$\frac{1}{4}$	S 29						
	S 32						
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>						
40.71	<p>Leave nearly level and enter mountainous land. Asc. 140 ft. over SE. slope.</p>						

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	
55.10	Ridge, bears N. and S. Enter rolling land; desc. 132 ft. over W. slope to
80.00	Cor. of secs. 29, 30, 31 and 32. Land, gently rolling, mountainous, nearly level and rolling. Soil, rocky, 4th rate. Timber, palo verde, mesquite, oak and juniper. Undergrowth, oakbrush, catclaw and cacti.
40.00	S. 89°55' W., on random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
78.76	Intersect W. bdy. of Tp. 2 lks. N. of cor. of secs. 25, 30, 31 and 36, which is a sandstone 9x4x4 ins. above ground, firmly set, marked and witnessed as described in the official record. Thence N. 89°54' E., on true line, bet. secs. 30 and 31. Over mountainous land, thru scattering timber and dense undergrowth. Ascend 18 ft. over SW. slope to
2.76	Wash, course SW.; asc. 200 ft. over NW. slope to
14.76	Spur, slopes SW.; asc. 103 ft. over S. and SW. slopes
31.76	Spur, slopes S. Enter rolling land; desc. 17 ft. over SE. slope to
38.76	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock with a stone 1x6x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \begin{array}{l} S \ 30 \\ S \ 31 \end{array}$ 1938 No bearing trees available. Desc. 98 ft. over SE. slope.
65.51	Wash, 6 lks. wide, course S.; asc. 23 ft. over SW. slope.
67.76	Point of spur, slopes S.; desc. 25 ft. over SE. slope.
76.21	Wash, 6 lks. wide, course S.; asc. 11 ft. over SW. slope to
77.51	Wash, 6 lks. wide, course SW.; asc. 26 ft. over W. slope to
78.76	Cor. of secs. 29, 30, 31 and 32. Land, mountainous and rolling. Soil, rocky, 3rd and 4th rates. Timber, palo verde, mesquite and juniper. Undergrowth, greasewood, palo negra, catclaw and cacti.

Chains

N. 0°03' W., bet. secs. 29 and 30.

Over rolling land, thru scattering timber and dense undergrowth.

Desc. 15 ft. over W. slope.

2.60 Wash, 6 lks. wide, course SW.; enter mountainous land; asc. 110 ft. over SE. slope

8.60 Spur, slopes S. 10° W.; asc. 100 ft. over W. slope of same to

19.00 Desc. 25 ft. over NW. slope.

23.65 Bottom of ravine, 5 lks. wide, course SW.; asc. 250 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock with a stone 2x4x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S30		S29
1938		

No bearing trees available.

Asc. 180 ft. over SE. slope.

54.00 Spur, slopes SW. from E.; desc. 146 ft. over N. slope.

60.90 Bottom of rocky gulch, 6 lks. wide, course W. Heads about 10 chs. E. Asc. 211 ft. over S. slope to

67.99 Slope changes; asc. 180 ft. over SE. 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. 19, 20, 29 and 30, with brass cap marked

T5N		R13E
S19		S20
S30		S29
1938		

No bearing trees available.

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde, mesquite and juniper.

Undergrowth, greasewood, palo negra, catclaw and cacti.

N. 89°56' E., on random line, bet. secs. 20 and 29.

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

80.04 Intersect N. and S. line 9 lks. N. of the cor. of secs. 20, 21, 28 and 29.

Thence

Chains	
	West, on true line, bet. secs. 20 and 29. Over rolling land, thru scattering undergrowth. Desc. 54 ft. over NW. slope.
5.70	Wash, course SW.; asc. 85 ft. over SE. slope.
15.30	Spur, slopes S.; desc. 85 ft. over W. slope.
29.44	Fence (4 wire) bears N. $15\frac{1}{2}^{\circ}$ W. and S. $15\frac{1}{2}^{\circ}$ E.
29.64	Wash, course SW.; asc. 26 ft. over SE. slope.
32.50	Spur, slopes S.; enter mountainous land, desc. 77 ft. over W. slope to
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground with a glass bottle deposited at base, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S. 20}{S. 29}$ 1938 Raise a mound of stone, 4 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Desc. slightly over W. slope.
40.90	Bottom of Armer Gulch, 50 lks. wide, course S.; asc. 708 ft. over E. and SE. slopes to
80.04	Cor. of secs. 19, 20, 29 and 30. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, oakbrush, palo negra, catclaw and cacti.
40.00	S. $89^{\circ}54'$ W., on random line, bet. secs. 19 and 30. Set temp. $\frac{1}{4}$ sec. cor.
78.53	Intersect W. bdy. of Tp. 28 lks. N. of cor. of secs. 19, 24, 25 and 30, which is a sandstone, 10x6x12 ins. above ground, firmly set, marked and witnessed as described in the official record. Thence N. $89^{\circ}42'$ E., on true line, bet. secs. 19 and 30. Over mountainous land, thru scattering timber and dense undergrowth. Desc. 15 ft. over steep S. slope.
8.53	Drain, course S.; asc. 255 ft. over steep SW. slope.
21.53	Point of spur, slopes SW.; desc. 222 ft. over steep SE. slope to
38.38	Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock with a stone 2x8x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked

SURVEY; SUBDIVISION OF T. 5 N., R. 13 E.

Chains	
	<p style="text-align: center;"> $\frac{1}{4}$ $\frac{S-19}{S-30}$ WC 1938 No bearing trees available. </p>
38.53	<p>True point for $\frac{1}{4}$ sec. cor., falls on steep slope where it is impracticable to monument the cor., therefore establish witness cor., S. 89°42' W., 15 lks. dist. Desc. 7 ft. over SE. slope.</p>
39.13	<p>Drain, course S.; asc. 242 ft. over steep SW. slope.</p>
46.23	<p>Point of rocky spur, slopes S.; desc. 14 ft. over SE. slope.</p>
47.53	<p>Bottom of ravine, 3 lks. wide, course SW.; heads about 12 chs. NE.; asc. 117 ft. over SW. slope.</p>
56.23	<p>Ridge, bears NE. and SW.; desc. 132 ft. over SE. slope to</p>
78.53	<p>Cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, palo verde, juniper and oak. Undergrowth, greasewood, oakbrush, palo negra and cacti.</p>
	<p>N. 0°03' W.; bet. secs. 19 and 20. Over mountainous land, thru scattering timber and dense undergrowth. Asc. 12 ft. over SE. slope.</p>
2.00	<p>Desc. 370 ft. over NE. slope.</p>
37.60	<p>Bottom of ravine, 4 lks. wide, course E.; asc. 50 ft. over SE. slope to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock with a stone 3x8x8 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor.; with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S19 S20 1938 </p> <p>No bearing trees available. Asc. 20 ft. over SE. slope.</p>
41.90	<p>Point of spur, slopes E.; desc. 160 ft. over NE. slope.</p>
48.50	<p>Bottom of gulch, 10 lks. wide, course N. 75° E. from W.; asc. 170 ft. over SE. slope to</p>
62.60	<p>Asc. 13 ft. along E. slope.</p>
66.60	<p>Desc. 50 ft. over NE. slope.</p>
73.20	<p>Bottom of ravine, 8 lks. wide, course E.; asc. 131 ft. over steep S. slope.</p>

Chains

- 76.80 Point of spur, slopes SE.; asc. 46 ft. over SE. and E. slopes to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock with a stone 2x3x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 17, 18, 19 and 20, with brass cap marked
- | | |
|-----|------|
| T5N | R13E |
| S18 | S17 |
| S19 | S20 |
- 1938
- No bearing trees available.
- Land, mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, oak and juniper.
Undergrowth, oakbrush, palo negra and cacti.
-
- 40.00 East, on random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. and S. line 2 lks. N. of cor. of secs. 16, 17, 20 and 21.
Thence
N. 89°59' W., on true line, bet. secs. 17 and 20.
Over rolling land, thru scattering undergrowth.
Desc. 20 ft. over SW. slope.
- 2.18 Desc. 68 ft. over NW. slope.
- 5.53 Wash, course SW.; asc. 19 ft. over SE. slope.
- 10.50 Desc. 20 ft. over W. slope.
- 15.71 Wash, course SW.; asc. 92 ft. over SE. slope.
- 27.85 Point of spur, slopes S.; enter mountainous land; desc. 163 ft. over SW. slope.
- 33.69 Wash, course S.; asc. 61 ft. over SE. slope to
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 2x4x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- | | |
|---------------|------|
| $\frac{1}{4}$ | S 17 |
| | S 20 |
- 1938
- Asc. 68 ft. over SE. slope.
- 44.50 Spur, slopes S.; desc. 148 ft. over W. slope.
- 50.58 Bottom of Armer Gulch, 25 lks. wide, course S.; asc. 226 ft. over E. slope.
- 64.61 Ridge, bears N. and S.; desc. 132 ft. over W. slope.

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

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Chains	
66.31	Fence (4 wire) bears N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E.
72.91	Wash, course S. from NW.; asc. 220 ft. over steep E. slope to
80.04	Cor. of secs. 17, 18, 19 and 20. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, oakbrush, palo negra, catclaw and cacti.
	S. $89^{\circ}42'$ W., on random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.38	Intersect W. bdy. of the Tp. 4 lks. N. of true point for cor. of secs. 13, 18, 19 and 24. The witness cor. which is a syenite stone, 10x8x12 ins. above ground, firmly set marked and witnessed as described in official record, bears North, 1.90 chs. dist.
	From true cor. point.
	N. $89^{\circ}40'$ E., on true line, bet. secs. 18 and 19.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 60 ft. over steep broken S. slope to
9.88	Desc. 160 ft. over SE. slope.
20.88	Drain, course S.; asc. 32 ft. over SW. slope.
23.42	Desc. 22 ft. over S. slope to
34.38	Ridge, bears N. and S.; drainage divide bet. Armer Gulch and Sally May Creek. Saddle bears S. 10 chs. dist., 80 ft. below this point. Desc. 15 ft. over SE. slope to
38.38	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\frac{1}{4} \frac{S-18}{S-19}$
	1938
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Desc. 189 ft. over SE. slope.
58.58	Bottom of ravine, 6 lks. wide, course NE.; asc. 8 ft. over NW. slope.
60.08	Desc. 95 ft. over N. and NE. slopes.
67.78	Same ravine, course S. 80° E.; asc. 70 ft. over SW. slope.
76.78	Spur, slopes SE.; desc. 40 ft. over E. slope to
78.38	Cor. of secs. 17, 18, 19 and 20. Land, mountainous. Soil, rocky, 3rd and 4th rates.

Chains

Timber, mesquite, juniper and oak.
Undergrowth, oakbrush, palo negra and cacti.

N. 0°03' W., bet. secs. 17 and 18.

Over mountainous land, thru scattering timber and undergrowth.

Desc. 199 ft. over E. and NE. slopes.

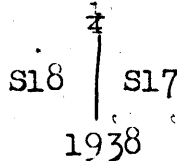
13.90 Wash, 25 lks. wide, course SE.; asc. 292 ft. over steep broken SW. slope.

21.10 Spur, slopes SE.

Asc. 133 ft. over E. slope of spur to 1/4 sec. cor.

26.20 Fence (4 wire) bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock with a stone 2x6x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked



No bearing trees available.

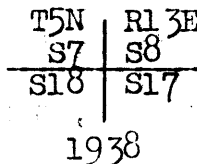
Desc. 78 ft. over NE. slope.

52.70 Drain, course SE.; asc. 67 ft. over S. slope.

58.90 Spur, slopes E.; desc. 100 ft. over N. slope.

65.00 Drain, course E.; asc. 227 ft. over broken SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, over a cross (+) marked thereon and in a mound of stone to top, for cor. of secs. 7, 8, 17 and 18, with brass cap marked



No bearing trees available.

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

S. 89°59' E., on random line, bet. secs. 8 and 17.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N. and S. line 2 lks. N. of the cor. of secs. 8, 9, 16 and 17.

Thence,

N. 89°58' W., on true line, bet. secs. 8 and 17.

Chains	
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 118 ft. over SE. slope.
8.70	Spur, slopes SW.; desc. 204 ft. over W. slope.
17.56	Wash, course S.; asc. 208 ft. over E. slope.
34.70	Spur, slopes SW.; desc. 26 ft. over NW. slope to
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 2x5x6 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 8}{S 17}$
	1938
	No bearing trees available.
	Desc. 123 ft. over NW. slope.
63.48	Armer Gulch, 50 lks. wide, course S. 80° W. from N. 15° E.; asc. 394 ft. over SE. slope to
80.06	Cor. of secs. 7, 8, 17 and 18.
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and cottonwood. Undergrowth, oakbrush, palo negra, catclaw and cacti.
	S. 89°40' W., on random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.08	Intersect W. bdy. of Tp. 28 lks. S. of cor. of secs. 7, 12, 13 and 18, which is a syenite stone, 8x10x5 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence
	N. 89°52' E., on true line, bet. secs. 7 and 18.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 224 ft. over SE. slope.
13.78	Fence (4 wire) bears NW. and SE.
23.68	Wash, 20 lks. wide, course SE.; asc. 208 ft. over SW. slope to
38.08	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock with a stone 3x6x10 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 7}{S 18}$
	1938
	No bearing trees available.

Chains	Asc. 159 ft. over SW. slope.
61.08	Spur, slopes S.; desc. 292 ft. over SE. slope to
78.08	Cor. of secs. 7, 8, 17 and 18.
	Land, mountainous. Soil, rocky, 4th rate. Timber, oak and juniper. Undergrowth, oakbrush.
N. 0°03' W., bet. secs. 7 and 8.	
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 13 ft. over SE. slope.
2.20	Desc. 65 ft. over NE. slope.
9.00	Drain, course SE.; asc. 61 ft. over SE. slope.
15.00	Spur, slopes E.; desc. 80 ft. over N. slope.
19.80	Wash, 10 lks. wide, course SE. from W.; asc. 277 ft. over SE. 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
	$\frac{1}{4}$ S7 S8 1938
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
	Asc. 385 ft. over SE. slope.
76.70	Spur, slopes E.; desc. 19 ft. over NE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap marked
	T5N R13E S6 S5 S7 S8 1938
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, mountainous. Soil, rocky, 4th rate. Timber, oak and juniper. Undergrowth, oakbrush and cacti.
S. 89°58' E., on random line, bet. secs. 5 and 8.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.

Chains	
80.06	Intersect N. and S. line 2 lks. S. of the cor. of secs. 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.
	Asc. 90 ft. over SE. slope.
6.00	Spur, slopes S.; desc. 189 ft. over W. slope.
12.94	Wash, course S.; asc. 108 ft. over SE. slope.
18.50	Spur, slopes S.; desc. 104 ft. over SW. slope.
23.38	Wash, course SW.; asc. 52 ft. over SE. slope.
28.00	Spur, slopes SW.; desc. 230 ft. over NW. slope to
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock with a stone 8x8x8 ins. marked with a cross (+) deposited at base, 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
	No bearing trees available.
	Desc. 199 ft. over NW. slope.
43.93	Armer Gulch, 40 lks. wide, course S. 30° W.; asc. 107 ft. over SE. slope.
49.00	Spur, slopes S.; desc. 36 ft. over SW. slope.
55.73	Wash, course SE.; asc. 582 ft. over cliffs facing NE. to
73.20	Rim, bears NW. and SE.; asc. 58 ft. over NE. slope to
80.06	Cor. of secs. 5, 6, 7 and 8.
	Land, mountainous.
	Soil, rocky, 3rd and 4th rates.
	Timber, oak, juniper, cottonwood and sycamore.
	Undergrowth, oakbrush, palo negra, buckbrush and cacti.
	S. 89°52' W., on random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.91	Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is a sandstone 8x10x6 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence
	N. 89°50' E., on true line, bet. secs. 6 and 7.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 101 ft. over W. slope.

Chains	
12.91	Ridge, bears N. and S.; desc. 259 ft. over E. slope.
25.71	Wash, 20 lks. wide, course S.; asc. 276 ft. over SW. slope to
37.91	Set an iron post, 3 ft. long, 1 in. in diam., 23 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
	$\frac{1}{4} \frac{S 6}{S 7}$
	1938
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Asc. 10 ft. over SW. slope.
38.91	Spur, slopes S.; desc. 138 ft. over SE. slope.
48.91	Wash, 10 lks. wide, course S. 20° W.; asc. 106 ft. over NW. slope.
52.91	Point of spur, slopes NW.; desc. 26 ft. over NE. slope.
58.71	Drain, course NW.; asc. 72 ft. over W. slope.
70.71	Ridge, bears N. and S.; desc. 80 ft. over NE. slope to
77.91	Cor. of secs. 5, 6, 7 and 8.
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper. Undergrowth, oakbrush, catclaw and cacti.
	N. 0°03' W., on random line, bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.82	Intersect N. bdy. of Tp. 30 lks. W. of cor. of secs. 5, 6, 31 and 32, hereinbefore described.
	Thence
	S. 0°10' W., on true line, bet. secs. 5 and 6.
	Over gently rolling land on Thompson Mesa thru scattering timber and undergrowth. Desc. gradually over SW. slope.
9.30	Thence over nearly level land.
14.00	Reenter gently rolling land; asc. 91 ft. over N. slope.
36.62	Descend slightly over S. slope to
39.82	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
	$\frac{1}{4}$
	S6 S5
	1938
	from which

SURVEY: SUBDIVISION OF T. 5 N., R. 13 E.

Chains	
	An oak, 10 ins. in diam., bears N. $13\frac{1}{2}^{\circ}$ E., 168 lks. dist., marked $\frac{1}{4}$ S5 BT.
	An oak, 14 ins. in diam., bears N. $34\frac{3}{4}^{\circ}$ W., 148 lks. dist., marked $\frac{1}{4}$ S6 BT.
	Continue over gently rolling land on Thompson Mesa.
	Desc. 22 ft. over S. slope to
48.27	Rim of mesa, bears NW. and SE. Leave Thompson Mesa. Enter mountainous land; desc. 200 ft. over SW. slope.
58.82	Wash, 30 lks. wide, course SE.; asc. 158 ft. over NE. slope to
79.82	Cor. of secs. 5, 6, 7 and 8.
	Land, gently rolling, nearly level and mountainous. Soil, rocky, 3rd and 4th rates. Timber, oak, juniper and palo verde. Undergrowth, oakbrush, palo negra and cacti.

GENERAL DESCRIPTION.

- Surface:** Township 5 North, Range 13 East lies wholly within the Tonto National Forest and on the southwest slope of the Sierra Anchas mountains, about 8 miles northeasterly of Roosevelt Lake. The terrain varies from gently rolling desert in the southerly sections to rolling and mountainous surface in the northerly sections. There is an abrupt change in elevations in the easterly sections by rugged and sheer cliffs, 300 to 700 ft. high. The elevation ranges from 2500 ft. along the S. bdy. to 7000 ft. on Armer Mountain on the N. bdy. of Sec. 3.
- Soil:** Sandy, gravelly and rocky, 3rd and 4th rates. There are numerous rock slides and exposed bedrock on the mountain slopes.
- Drainage:** Is afforded by three principle systems; Parker Creek and Cottonwood Wash and tributaries drain the easterly sections, leaving the township on the south bdy. of Sec. 34; Connor Canyon drains the central sections and leaves the township in Sec. 34; and Armer Gulch which drains the westerly sections. In each of these, there are numerous active springs but for the most part, are wide sandy washes with frequent box canyons through the township.
- Water:** Besides the seep springs in the above mentioned watercourses, there is an improved spring and storage tanks near the center of sec. 35, furnishing water for the A-Cross Ranger Station and C.C.C. camp. Other improved springs and stock tanks are in Secs. 2, 4, 33 and 35.
- Timber:** Over the lower elevations, there is a scattering growth of palo verde, mesquite, oak and juniper. In the northeast cor. of the township, there is a dense growth of oak, pine, fir, juniper and cottonwood.
- Undergrowth:** There is the usual undergrowth of cacti, greasewood and oakbrush on the rolling desert land of the southerly sections and a dense growth of manzanita, laurel, oakbrush, catclaw, palo negra and cacti on the mountainous slopes.
- Settlement:** In Secs. 1 and 12, the Parker Creek Branch of the Southwestern Forest and Range Experiment Stations, have their headquarter's buildings and personnel houses. Gila County road commission has a road maintenance camp, consisting of cabins and garages, along the line of secs. 1 and 12. In the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 12, J.N. Grantham has a small store and residence and a Mr. Gibson has a house nearby. There is a line camp cabin in Sec. 29. Mr. J.B. Watson has a cabin in Sec. 32. In Sec. 35, there is an H.E.S. No. 404. Near the Std. $\frac{1}{2}$ cor. of sec. 35, and south of the township, the A-Cross Ranger Station and C.C.C. camp is located. Over the easterly sections, there are numerous experimental plots and erosion control equipment, part of the Forest Service erosion control operations.
- Mineral:** There is no evidence of valuable minerals at present or of any past mining activity.

Chains

Roads: There is an improved county road traversing thru the easterly sections, entering the township thru the east bdy. of Sec. 25 and leaving at the north bdy. of Sec. 1. The Forest Service maintains improved side roads from the county road to the crests of the sheer cliffs in the easterly sections. Access to the interior sections is possible over dim, unimproved roads that traverse up almost all of the wide spurs in the central and southwest sections. There are numerous improved trails over most of the township.

General: There is considerable cattle grazing carried on throughout the township owing to the abundant water. There are numerous barbed wire fences over the township, subdividing the area into pastures and grazing allotments. There is a U.S. Forest Service telephone line traversing thru the easterly sections from the A-Cross Ranger Station to the Experimental Station and to leave the township on the north bdy. of Sec. 1. Another line extends from the Ranger Station, westerly, cutting across the SW. cor. of the township.

Average Magnetic Declination over the township is $15^{\circ}00'$ E.

FINAL FIELD TEST OF INSTRUMENTS.

All of the following tests were made on the meridian, in camp in the NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 35, this Tp., established as described at the beginning of these field notes.

Buff and Buff Transit No. 18002
Ty White, Surveyor.

November 9, 1938, at 9h 00m a.m., app.t., set off $33^{\circ}43\frac{1}{2}'$ N., on the latitude arc; $16^{\circ}46.5'$ N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of $16^{\circ}49.2'$ N. which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, set off $16^{\circ}50.9'$ N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

Buff and Buff Transit No. 10125
Norville E. Shearer, Public Land Surveyor.

November 9, 1938, at 9h 00m a.m., app.t., set off $33^{\circ}43\frac{1}{2}'$ N., on the latitude arc; $16^{\circ}46.5'$ N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of $16^{\circ}49.2'$ N., which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, set off $16^{\circ} 50.9'$ N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

Leitz Transit No. 6166
Frank Kennon, Public Land Surveyor.

November 9, 1938, at 9h 00m a.m., app.t., set off $33^{\circ} 43\frac{1}{2}'$ N., on the latitude arc, $16^{\circ} 46.5'$ N., on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian and obtain a reading of $16^{\circ} 49.2'$ N., which agrees with the computed declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, set off $16^{\circ} 50.9'$ N., on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

All of the solar observations made with these transits during the usual hours of solar work coming within $1' 30''$ of the true meridian, demonstrates that they remained in satisfactory adjustment throughout the surveys described in the foregoing field notes.

4-680
(Revised May 1934)

FIELD ASSISTANTS
to

Norville E. Shearer, Public Land Surveyor

NAMES	CAPACITY
Charles F. Bobo, Jr.	Principal Assistant
Jack Bowker	Chainman
James Pearce	Cornerman
Louis L. Francis, Jr.	Axman
Jack Williams	Axman
Ernest Crofford	Flagman

168
89

BOOK 4190

CERTIFICATE OF UNITED STATES SURVEYOR

I, Norville E. Shearer, Public Land Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} special instructions bearing date of the 28th day of April, 1938, received from the district cadastral engineer for Arizona, with assignment instructions dated May 12, 1938, I have resurveyed the 1st Standard Parallel North thru part of Range 13 East and surveyed the North boundary and part of the Subdivision lines of Township No. 5 North, Range No. 13 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 resurvey and 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 Norville E. Shearer
January 24, 1939 Public Land Surveyor

~~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~~

4-680
(Revised May 1934)

FIELD ASSISTANTS
to

Frank Kennon

Public Land Surveyor

NAMES	CAPACITY
Erwin B. Williams	Principal Assistant
Rulon F. Westover	Chairman
Robert G. Burns	Cornerman
Eslie C. Landis	Axman
Norman Simser	Axman
Clinton Francis	Axman
Stanley C. Turner	Flagman

BOOK 4190

CERTIFICATE OF UNITED STATES SURVEYOR

I, Frank Kennon, Public Land Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} special instructions bearing date of the 28th day of April, 1938, received from the district cadastral engineer for Arizona, with assignment instructions dated May 12, 1938, I have ~~resurveyed~~ the 1st Standard Parallel North thru part of Range 13 East and surveyed part of the Subdivision lines of Township No. 5 North, Range No. 13 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 ~~resurvey and~~ 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 4, 1939

Frank Kennon
Public Land Surveyor

~~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.~~

4-680
(Revised May 1934)

BOOK 4190

FIELD ASSISTANTS
to
Ty White Surveyor

NAMES	CAPACITY
Bert E. Wakenan	Principal Assistant
Ellis W. Murphy	Chairman
Landon Bates	Corneman
Lavell Palmer	Axman
Kenneth H. Strotjost	Axman
James N. Pool	Flagman

BOOK 4190

CERTIFICATE OF UNITED STATES SURVEYOR

I, Ty White Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} special instructions bearing date of the 28th day of April, 1938, received from the district cadastral engineer for Arizona, with assignment instructions dated May 12, 1938, I have ~~resurveyed~~ the 1st Standard Parallel North thru part of Range 13 East and surveyed part of the Subdivision lines of Township No. 5 North, Range No. 13 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 ~~resurvey and~~ 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
June 12, 1939

Ty White
Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF THE SUPERVISOR OF SURVEYS,
Denver, Colo., FEB 11 1940

The foregoing field notes of the ~~resurvey of~~ the 1st Standard Parallel North thru Range 13 East, and of the survey of the North bdy. and Subdivision lines of Township No. 5 North, Range No. 13 East of the Gila & Salt River Meridian, in the State of Arizona executed by Ty White, Surveyor; Frank Kennon & Norville E. Shearer, Public Land Surveyors, ^{supplemental} under special instructions dated April 28, 1938, for Group 223, Arizona, and assignment instructions dated May 12, 1938, having been critically examined, and ~~resurvey and~~ the necessary corrections made prior to their certification by the engineer, the said field notes, and the ~~survey~~ therein described, are hereby approved.

Orville H. Johnson
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.~~