

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4207

FIELD NOTES

of RETRACEMENT of

Part of West boundary of Township 16 North, Range 8 West

and

4th Standard Parallel North, thru Parts of Ranges 8 and 9 West

and of SURVEY of

East boundary

North boundary and

Subdivision Lines of

Fractional Township No. 16 $\frac{1}{2}$ North, Range No. 9 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Armand F. Allard, and Norville E. Shearer

Public Land Surveyors

Supplemental
Under special instructions dated October 28, 1937, which provided
for the surveys included under Group No 220 Arizona, bearing the approval of the
Commissioner of the General Land Office under date of November 4, 1937
and assignment instructions dated November 8, 1937.

Retracement and Survey commenced January 11, 1938

Retracement and Survey completed January 27, 1938

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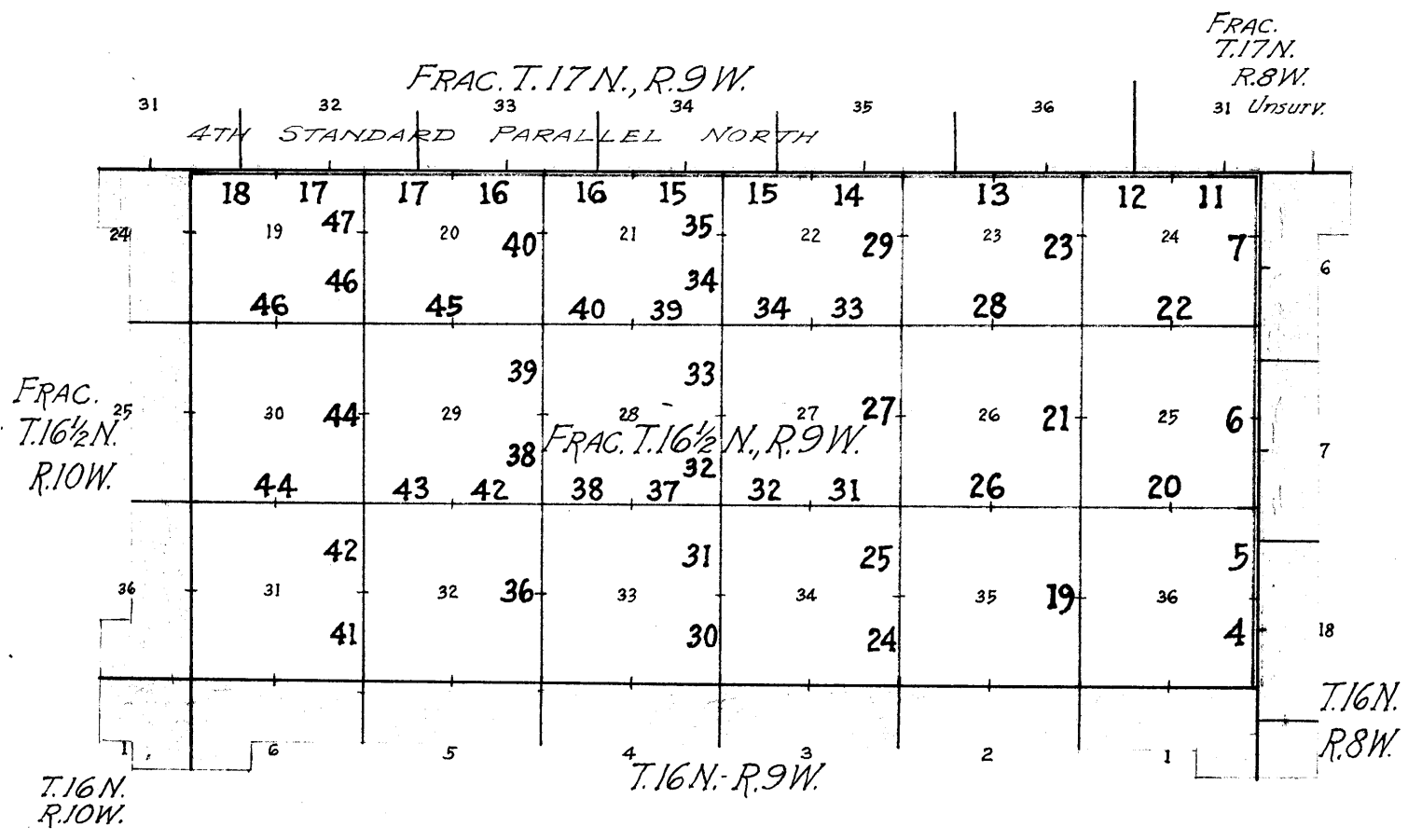
INDEX DIAGRAM.

Township , *Range*

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INDEX DIAGRAM

BOOK 4207



- Lines of accepted surveys (not retraced or resurveyed under this group.)
- Line surveyed under this group with reference to one Tp. only, along a line of accepted survey referring only to the adjoining Tp., with retracement of said line.
- Lines surveyed under this group.
- ▭ Areas surveyed as per accepted plats on file.

The retracements and surveys herein described were executed by Norville E. Shearer and Armand F. Allard, Public Land Surveyors, using, respectively, Buff and Buff transit No. 10125, and Young & Sons transit No. 8544. Each of these instruments is equipped with an improved Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office. The instruments were examined by the District Cadastral Engineer for California and Arizona prior to the beginning of the surveys of this group, and were approved conditional upon satisfactory results of field tests of same.

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

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

PRELIMINARY FIELD TESTS OF INSTRUMENTS.

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

Jan. 9, 1938, at camp in NE $\frac{1}{4}$ of sec. 35, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., G. & S.R. Meridian, Arizona, latitude 34°46 $\frac{1}{2}$ ' N., longitude 113°10' W., examine the adjustments of Buff and Buff transit No. 10125 and find no errors; then, to test the solar apparatus of same by comparing its indications with a true meridian established by Polaris observation, proceed as follows:

at 9h. 35.0m., p.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 recording the horizontal angles thus determined by reference to a flag set about 10 chs. north.

Watch reads correct 105th meridian time by comparison with a Western Union Telegraph Co. clock.

Mean watch time of observations	10h. 8.4m. p.m.
Watch fast of l.m.t.	32.6m.
Mean horizontal angle from Polaris E. to reference point	0° 50' 00"
Azimuth of Polaris W.	0° 55' 37"
True bearing of reference point	N.0° 05' 37" W.

Jan. 10, 1938, at same station, at 8h. 30m., a.m., app.t., set off 34°46 $\frac{1}{2}$ ' N. on the latitude arc; 21°56 $\frac{1}{2}$ ' 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 21° 56 $\frac{1}{2}$ ' S. on the declination arc, which agrees with the computed declination of the sun.

at 3h. 30m., p.m., app.t., with the latitude arc unchanged; set off 21°54' S. on the declination arc; and determine a meridian with the solar, which agrees with the true meridian.

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

Young and Sons transit No. 8544.
Armand F. Allard, Public Land Surveyor.

Jan. 12, 1938, at camp in SE $\frac{1}{4}$ of sec. 28, Frac. T.16 $\frac{1}{2}$ N., R.9 W., G. & S.R. Meridian, Arizona, latitude 34°46'50"N., longitude 113°12'15"W., examine the adjustments of Young and Sons transit No. 8544 and find no errors; then, to test the solar apparatus of same by comparing its indications with a true meridian established by Polaris observation, proceed as follows:

at 9h. 50.4m., p.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 recording the horizontal angles thus determined by reference to a flag set about 10 chs. northerly.

Watch reads correct 105th meridian time by comparison with a Western Union Telegraph Co. clock.

Mean watch time of observations	10h. 23.2m., p.m.
Watch fast of l.m.t.	32.8m.
Mean horizontal angle from Polaris W. to reference point	9° 44' 00"
Azimuth of Polaris W.	1° 01' 06"
True bearing of reference point	N.10° 45' 06" W.

Jan. 13, 1938, at same station, at 8h. 30m., a.m., app.t., set off 34°47'N. on the latitude arc; 21°28'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 21°27 $\frac{1}{2}$ 'S. on the declination arc, which agrees with the computed declination of the sun.

at 3h. 30m., p.m., app.t., with the latitude arc unchanged; set off 21°25'S. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

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

Retracement: Part of West boundary: T. 16 N., R. 8 W., and
Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

3.

Chains

The West bdy. of T. 16 N., R. 8 W. was surveyed due North by W. E. Hiester, U.S. Surveyor, in 1930, establishing $\frac{1}{4}$ sec. and sec. cors. alternately, with reference to areas E. of line only, at 40 ch. intervals, and at the point of intersection of the Tp. bdy. with the 4th Std. Parallel N., established closing cor. of T. 16 N., R. 8 W., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

No retracement or resurvey of any part of this Tp. bdy. is of record, but in 1933, T. Vander Meer, U.S. Transitman, established $\frac{1}{4}$ sec. and sec. cors. alternately with reference to areas in T. 16 N., R. 9 W., only, on the W. bdrs. of Ts. 15 and 16 N., R. 8 W., at 40 ch. intervals counting from the cor. of Ts. 15 and 16 N., R. 9 W., on the W. bdy. of sec. 18, T. 15 N., R. 8 W., and at 480 chs. N., from said Tp. cor., established the cor. of T. 16 N., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., on the W. bdy. of sec. 18, T. 16 N., R. 8 W., thus accomplishing the survey of E. bdy. of T. 16 N., R. 9 W. In the official record of this survey in 1933, by Transitman Vander Meer, the cor. of T. 16 N., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., is erroneously designated as cor. of Ts. 16 and 17 N., R. 9 W., and the brass cap on the cor. monument is described as bearing the erroneous marking "T17N" in the NW. quadrant.

The following notes describe the survey of East bdy. of Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., accomplished by retracement of part of the W. bdy. of T. 16 N., R. 8 W., and establishment thereon of $\frac{1}{4}$ sec. and sec. cors., alternately, with reference to areas W. of line only, at 40 ch. intervals, counting from the cor. of T. 16 N. and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

Retracement: Part of West bdy.: T. 16 N., R. 8 W.

From the cor. of T. 16 N., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.
North, on random line, W. of sec. 18, (part of S. $\frac{1}{2}$).

26.30 Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 18.

True course and dist. of this part of S. $\frac{1}{2}$ of W. bdy. of sec. 18, T. 16 N., R. 8 W., are therefore, North, 26.30 chs.

Thence

North, on random line, W. of sec. 18 (N. $\frac{1}{2}$).

40.02 Intersect the cor. of secs. 7 and 18.

True course and dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 18, T. 16 N., R. 8 W. are therefore, North, 40.02 chs.

North, on random line, W. of sec. 7 (S. $\frac{1}{2}$).

39.92 Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 7.

True course and dist. of S. $\frac{1}{2}$ of W. bdy. of sec. 7, T. 16 N., R. 8 W., are therefore, North 39.92 chs.

Thence

North, on random line, W. of sec. 7 (N. $\frac{1}{2}$).

40.04 Intersect the cor. of secs. 6 and 7.

Retracement: Part of West boundary: T. 16 N., R. 8 W. and
Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

4.

Chains

True course and dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 7, T. 16 N., R. 8 W. are therefore, North, 40.04 chs.

North, on random line, W. of sec. 6 (S. $\frac{1}{2}$)

40.38 Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 6:

True course and dist. of S. $\frac{1}{2}$ of W. bdy. of sec. 6, T. 16 N., R. 8 W., are therefore, North, 40.38 chs.

Thence,

North, on random line, W. of sec. 6 (N. $\frac{1}{2}$).

41.42 Intersect the closing cor. of T. 16 N., R. 8 W., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

True course and dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 6, T. 16 N., R. 8 W. are therefore, North, 41.42 chs.

SURVEY: EAST boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

The cor. of T. 16 N., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W. (erroneously designated in the official record as cor. of Ts. 16 and 17 N., R. 9 W.) is an iron post, 3 ins. in diam., projecting 4 ins. above ground, firmly set, marked on brass cap as described in the official record. No accessories. Change the marking on the brass cap to read.

T16 $\frac{1}{2}$ N	
R9W	
S36	
S1	T16N
T16N	R8W
	S18

1938

1933

No bearing trees available.

Thence

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

Over mountainous land, thru scattering timber and dense undergrowth.

Desc. 169 ft. over steep N. slope.

8.72 Conger Creek (dry) 150 lks. wide, course W. The junction of Bull Creek from NE., with Conger Creek from SE. is about 5 chs. E. of this point.

Asc. 363 ft. over steep, rocky, broken, S. slope to

26.30 Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 18, T. 16 N., R. 8 W., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record.

Asc. 115 ft. over SE. slope to

35.06 Drain, 5 lks. wide, course S. 70° E.; asc. 200 ft. over steep S. slope to

Retracement: Part of West boundary: T. 16 N., R. 8 W. and
 Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

5.

Chains

- 39.85 Foot of cliffs, bearing N. 70° W. and S. 70° E. facing SW.,
50 ft. high. Asc. over face of cliffs.
- 40.00 True point for E. $\frac{1}{4}$ sec. cor. of sec. 36, Frac. T. 16 $\frac{1}{2}$ N.,
R. 9 W., is on face of cliff where it is impracticable
to monument the cor.; therefore establish witness cor.
at a point $\frac{3}{3}$ lks. North.
- 40.33 Top of cliffs, bearing N. 70° W. and S. 70° E., facing SW.
Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in
the ground to bedrock, with a stone 8x8x20 ins. marked
with a cross (X) deposited at base and in a mound of
stone to top, for witness cor. to E. $\frac{1}{4}$ sec. cor. of sec.
36, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., with brass cap marked
- $\frac{1}{4}$ |
 S36 |
 WC |
 1938
- No bearing trees available.
- Asc. 77 ft. over steep SE. slope.
- 44.90 Spur, slopes S. 55° W. Enter rolling land. Desc. 81 ft.
over NW. slope to
- 55.62 Rim of canyon, bears E. and W. Reenter mountainous land.
Desc. 320 ft. over steep rocky N. slope to
- 66.32 (40.02 chs. N. from W. $\frac{1}{4}$ sec. cor. of sec. 18) Intersect
the cor. of secs. 7 and 18, T. 16 N., R. 8 W., which
is an iron post, 2 ins. in diam., projecting 8 ins. above
ground, firmly set, marked on brass cap and witnessed as
described in the official record.
- Desc. 150 ft. over steep N. slope.
- 71.62 Cypress Creek (dry), 75 lks. wide, course W., in bottom of
canyon. Asc. 61 ft. over SW. slope.
- 78.40 Asc. 4 ft. over W. slope to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
the ground to bedrock, and in a mound of stone to top,
for cor. of secs. 25 and 36, with brass cap marked
- T16 $\frac{1}{2}$ N | T16N
 S25 | R8W
 S36 | S7
 R9W |
 1938
- from which
- A pinyon, 11 ins. diam., bears S. 65 $\frac{1}{2}$ ° W., 86 lks.
dist., marked T16 $\frac{1}{2}$ N R9W S36 BT.
- A pinyon, 10 ins. diam., bears N. 27 $\frac{3}{4}$ ° W., 114 lks.
dist., marked T16 $\frac{1}{2}$ N R9W S25 BT.
- Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinyon and juniper. Sycamore along the creeks.
Undergrowth, oakbrush and laurel.

Retracement: Part of West boundary: T. 16 N., R. 8 W., and
 Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

6.

Chains	
	North, on true line, on E. bdy. of sec. 25. Over mountainous land, thru scattering timber and dense undergrowth. Asc. 44 ft. over W. slope.
4.39	Rocky draw, 10 lks. wide, course S. 30° W.; asc. 628 ft. over steep SE. slope.
25.80	Spur, slopes SW.; desc. 9 ft. over steep NW. slope to
26.24	(39.92 chs. N. from cor. of secs. 7 and 18) Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 7, T. 16 N., R. 8 W., which is an iron post, 1 in. in diam., projecting 36 ins. above ground, firmly set in a mound of stone, marked on brass cap and witnessed as described in the official record. Desc. 193 ft. over NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, and in a mound of stone to top, for E. $\frac{1}{4}$ sec. cor. of sec. 25, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S25 1938 from which A pinyon, 5 ins. diam., bears S. 8$\frac{1}{4}$° W., 36 lks. dist., marked $\frac{1}{4}$ S25 BT. A pinyon, 4 ins. diam., bears N. 31° W., 60 lks. dist., marked $\frac{1}{4}$ S25 BT. Desc. 187 ft. over NW. slope. </div>
61.21	Little Cypress Creek (dry), 20 lks. wide, course SW.; asc. 94 ft. over steep SE. slope to
66.28	(40.04 chs. N. from W. $\frac{1}{4}$ sec. cor. of sec. 7) Intersect the cor. of secs. 6 and 7, T. 16 N., R. 8 W., which is an iron post, 2 ins. in diam., projecting 6 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record. Asc. 165 ft. over SE. slope.
73.22	Rocky spur, slopes E.; desc. 145 ft. over N. slope.
78.19	Bottom of gulch, 15 lks. wide, course E.; asc. 141 ft. over S. slope to
79.80	Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, on narrow bench bearing E. and W., and in a mound of stone to top, for witness cor. to cor. of secs. 24 and 25, with brass cap marked <div style="text-align: center;"> WC T16$\frac{1}{2}$N T16N S24 R8W S25 S6. R9W 1938 from which </div>

Retracement: Part of West boundary: T. 16 N., R. 8 W., and
 Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

7

Chains	
	<p>A pinyon, 8 ins. diam., bears S. 9$\frac{1}{2}$° W., 36 lks. dist., marked WC T16$\frac{1}{2}$N R9W S25 BT.</p> <p>A pinyon, 6 ins. diam., bears N. 61° W., 43 lks. dist., marked WC T16$\frac{1}{2}$N R9W S24 BT.</p> <p>Asc. 8 ft. to</p>
80.00	<p>True point for cor. of secs. 24 and 25 is on a rock outcrop, bearing E. and W.; where it is impracticable to monument the cor., therefore establish witness cor. at 20 lks. S. as described above.</p>
	<p>Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, oakbrush and laurel.</p>
	<p>From true point for cor. of secs. 24 and 25, North, on true line, on E. bdy. of sec. 24. Over mountainous land, thru scattering timber and dense undergrowth. Asc. 99 ft. over steep S. slope.</p>
2.82	Spur, slopes E.; desc. 96 ft. over N. slope.
9.21	Wash, 5 lks. wide, course E.; asc. 113 ft. over S. slope.
16.92	Spur, slopes E.; desc. 38 ft. over N. slope.
19.46	Wash, 7 lks. wide, course E.; asc. 112 ft. over SE. slope.
21.32	Thence along E. slope, ascending gradually to
26.66	<p>(40.38 chs. N. from cor. of secs. 6 and 7) Intersect the W. $\frac{1}{4}$ sec. cor. of sec. 6, T. 16 N., R. 8 W., which is an iron post, 1 in. in diam., projecting 6 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record.</p> <p>Asc. 36 ft. over E. slope to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for E. $\frac{1}{4}$ sec. cor. of sec. 24, Frac. T. 16$\frac{1}{2}$ N., R. 9 W., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S24 1938 from which </p> <p>A pinyon, 4 ins. diam., bears N. 65° W., 17 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A pinyon, 10 ins. diam., bears S. 51° W., 34 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>Asc. slightly over E. slope.</p>
42.04	Wash, 10 lks. wide, course SE., near head. Asc. 211 ft. over gradual S. slope to closing cor.
57.23	Trail, bears N. 60° E. and S. 60° W.

Retracement: Part of West boundary: T. 16 N., R. 8 W., and
 Survey: East boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

8

Chains

68.08 (41.42 chs. N. from W. $\frac{1}{4}$ sec. cor. of sec. 6) Intersect the closing cor. of T. 16 N., R. 8 W. and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., which is an iron post, 3 ins. in diam., projecting 24 ins. above ground, firmly set in ground and mound of stone, marked on brass cap and witnessed as described in the official record.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth, oakbrush and laurel.

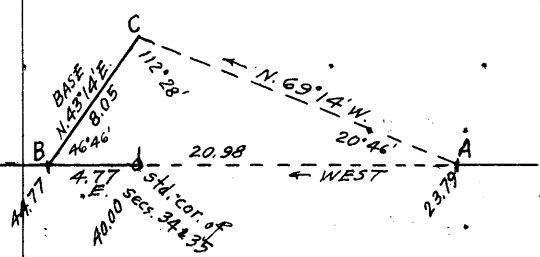
Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

9.

Chains	<p>The 4th Standard Parallel North was surveyed thru Ranges 8, 9 and Frac. Range 9$\frac{1}{2}$ West, by W. E. Hiester, U.S. Surveyor in 1930.</p> <p>No retracement or resurvey of any part of the Parallel in these ranges is of record.</p> <p>The following notes describe a retracement of the Parallel, along part of S. bdy. of sec. 31, Frac. T. 17 N., R. 8 W., and along the S. bdrs. of secs. 36, 35, 34, 33 and 32, and part of S. bdy. of sec. 31, Frac. T. 17 N., R. 9 W.; and also survey of the North bdy. of Frac. T. 16$\frac{1}{2}$ N., R. 9 W., accomplished by the establishment on the Parallel of the subdivisional closing cors. of said Tp., and the N. $\frac{1}{4}$ sec. cors. of the N. tier of secs. therein, at midpoints between the closing cors., except the N. $\frac{1}{4}$ sec. cor. of sec. 19, which is established on the Parallel at 40 chs. W. from the closing cor. of secs. 19 and 20.</p>
	RETRACEMENT.
	<p>From the closing cor. of T. 16 N., R. 8 W. and Frac. T. 16$\frac{1}{2}$ N., R. 9 W.,</p> <p>West, on random line, S. of sec. 31, (part of E.$\frac{1}{2}$).</p> <p>16.21 Intersect the std. $\frac{1}{4}$ sec. cor.</p> <p>True course and dist. of this part of S. bdy. of sec. 31, Frac. T. 17 N., R. 8 W., are therefore, West, 16.21 chs.</p> <p>Thence</p> <p>West, on random line, S. of sec. 31 (W.$\frac{1}{2}$).</p> <p>23.79 (40.00 chs. W. from Tp. closing cor.) Set temp. N. $\frac{1}{4}$ sec. cor. of sec. 24, Frac. T. 16$\frac{1}{2}$ N., R. 9 W.</p> <p>40.00 Intersect the true point for std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W., determined from the witness cor. 50 lks. W. and cross (X) on face of cliff 4 lks. N. 80° E.</p> <p>True course and dist. of W.$\frac{1}{2}$ of S. bdy. of sec. 31, Frac. T. 17 N., R. 8 W. are therefore, West, 40.00 chs.</p>
	<p>From true point for std. Tp. cor.</p> <p>West, on random line, S. of sec. 36 (E.$\frac{1}{2}$).</p> <p>23.79 Set temp. closing cor. of secs. 23 and 24, Frac. T. 16$\frac{1}{2}$ N., R. 9 W.</p> <p>40.00 Intersect the std. $\frac{1}{4}$ sec. cor.</p> <p>True course and dist. of E.$\frac{1}{2}$ of S. bdy. of sec. 36 are therefore, West, 40.00 chs.</p> <p>Thence</p> <p>West, on random line, S. of sec. 36 (W.$\frac{1}{2}$).</p> <p>23.79 Set temp. N. $\frac{1}{4}$ sec. cor. of sec. 23, Frac. T. 16$\frac{1}{2}$ N., R. 9 W.</p> <p>40.00 Intersect the std. cor. of secs. 35 and 36.</p> <p>True course and dist. of W.$\frac{1}{2}$ of S. bdy. of sec. 36 are</p>

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16½ N., R. 9 W.

10

Chains	therefore, West, 40.00 chs.
	West, on random line, S. of sec. 35 (E.½).
23.79	Set temp. closing cor. of secs. 22 and 23, Frac. T. 16½ N., R. 9 W.
40.00	Intersect the std. ¼ sec. cor.
	True course and dist. of E.½ of S. bdy. of sec. 35 are therefore, West, 40.00 chs.
	Thence
	West, on random line, S. of sec. 35 (W.½).
23.79	Set temp. N. ¼ sec. cor. of sec. 22, Frac. T. 16½ N., R. 9 W.
	Beyond this point precipitous ascent over cliffs facing SE. renders chaining impracticable, therefore triangulate measurement as follows:
	 <p>Designate this point as "A" Set a flag "B" ahead on Parallel, at rim of mesa, the vertical angle to which is + 26½°.</p> <p>Set another flag "C" on rim of mesa and bearing N. 69° 14' W. from "A" and N. 43°14'E. from flag "B".</p>
	Chained dist. of the Base "B-C" is 8.05 chs.
	Included angles of the triangle "A-B-C" are; 20°46', 46°46' and 112°28', the sum of which is 180°00'.
	<p>Chained dist. on Parallel to "A" = 23.79 chs. W.</p> <p>Triang. dist. A to B = 20.98 chs. W</p> <p>Std. ¼ sec. cor. of sec. 35 to "B" = 44.77 chs. W.</p> <p>Chained return measurement to std. cor. of secs. 34 and 35 = 4.77 chs. E.</p> <p>W.½ of S. bdy. of sec. 35 = 40.00 chs. W.</p>
40.00	Intersect the std. cor. of secs. 34 and 35.
	True course and dist. of W.½ of S. bdy. of sec. 35 are therefore, West, 40.00 chs.
	West, on random line, S. of sec. 34 (E.½).
23.79	Set temp. closing cor. of secs. 21 and 22, Frac. T. 16½ N., R. 9 W.
40.00	Intersect the std. ¼ sec. cor.
	True course and dist. of E.½ of S. bdy. of sec. 34 are therefore, West, 40.00 chs.
	Thence
	West, on random line, S. of sec. 34 (W.½)..
23.79	Set temp. N. ¼ sec. cor. of sec. 21, Frac. T. 16½ N., R. 9 W.

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
 and
 Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

11

Chains	
40.00	Intersect the std. cor. of secs. 33 and 34. True course and dist. of W. $\frac{1}{2}$ of S. bdy. of sec. 34 are therefore, West, 40.00 chs.
	West, on random line, S. of sec. 33 (E. $\frac{1}{2}$).
23.79	Set temp. closing cor. of secs. 20 and 21, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.
40.00	Intersect the std. $\frac{1}{4}$ sec. cor. True course and dist. of E. $\frac{1}{2}$ of S. bdy. of sec. 33 are therefore, West, 40.00 chs.
	Thence West, on random line, S. of sec. 33 (W. $\frac{1}{2}$).
23.79	Set temp. N. $\frac{1}{4}$ sec. cor. of sec. 20, Frac. T. 16 $\frac{1}{2}$ N.; R. 9 W.
40.00	Intersect the std. cor. of secs. 32 and 33. True course and dist. of W. $\frac{1}{2}$ of S. bdy. of sec. 33 are therefore, West, 40.00 chs.
	West, on random line, S. of sec. 32 (E. $\frac{1}{2}$).
23.79	Set temp. closing cor. of secs. 19 and 20, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.
40.00	Intersect the std. $\frac{1}{4}$ sec. cor. True course and dist. of E. $\frac{1}{2}$ of S. bdy. of sec. 32 are therefore, West, 40.00 chs.
	Thence West, on random line, S. of sec. 32 (W. $\frac{1}{2}$).
23.79	Set temp. N. $\frac{1}{4}$ sec. cor. of sec. 19, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.
40.00	Intersect the std. cor. of secs. 31 and 32. True course and dist. of W. $\frac{1}{2}$ of S. bdy. of sec. 32 are therefore, West, 40.00 chs.
	West, on random line, S. of sec. 31 (part of E. $\frac{1}{2}$).
20.92	Intersect the closing cor. of Frac. Ts. 16 $\frac{1}{2}$ N., Rs. 9 and 10 W. True course and dist. of this part of the S. bdy. of sec. 31 are therefore, West, 20.92 chs.
	SURVEY: North bdy.: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.
	From closing cor. of T. 16 N., R. 8 W., and Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., hereinbefore described, West, on true line, on N. bdy. of sec. 24. Over mountainous land, thru scattering timber and under-

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

12

Chains	
	growth.
	Desc. 5 ft. over S. slope.
2.21	Divide, bears NE. and SW.; desc. 252 ft. over N. and NW. slopes to
16.21	Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 31, Frac. T. 17 N., R. 8 W., which is an iron post, 1 in. in diam., projecting 32 ins. above ground, firmly set in ground and mound of stone, marked on brass cap and witnessed as described in the official record.
	Desc. 12 ft. over NW. slope.
16.90	Bottom of gulch, 15 lks. wide, course NW.; asc. 44 ft. over NE. slope.
19.81	Point of spur, slopes N.; desc. 128 ft. over NW. slope.
27.67	Bottom of same gulch, 20 lks. wide, course SW.; asc. 223 ft. over SE. slope.
36.36	Point of spur, slopes S.; desc. 45 ft. over SW. slope.
38.96	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone 14x8x4 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to N. $\frac{1}{4}$ sec. cor. of sec. 24, with brass cap marked
	WC $\frac{1}{4}$ S24
	1938
	No bearing trees available.
39.91	Bottom of gulch, course S.
39.96	(Midpoint) True point for N. $\frac{1}{4}$ sec. cor. of sec. 24 is in the bottom of the gulch, an unsafe place to monument the cor., therefore establish witness cor. on line at 100 lks. E. as described above.
	Asc. 70 ft. over SE. slope.
46.55	Point of spur, slopes S.; desc. 13 ft. over SW. slope.
48.40	Head of draw, course S.; asc. 27 ft. over SE. slope.
50.82	Spur, slopes S. and top of cliff, 180 ft. high, bearing NW. and SE., facing SW. Desc. 280 ft. over steep SW. slope to
56.21	(40.00 chs. W. from std. $\frac{1}{4}$ sec. cor. of sec. 31, Frac. T. 17 N., R. 8 W.) Intersect the true point for std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W., on SW. face of cliff, 50 ft. high, bearing NW. and SE. (W.C. 30 lks. W.)
56.51	Intersect the witness cor. to std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W., which is an iron post, 3 ins. in diam., projecting 24 ins. above ground, near foot of cliff, firmly set in ground and mound of stone, marked on brass cap and witnessed as described in the official record.
	Asc. 13 ft. along broken S. slope.
62.50	Rocky spur, slopes S.; desc. 525 ft. over SW. slope.

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16½ N., R. 9 W.

Chains	
67.48	Trail, bears NW. and SE.
76.42	Bottom of gulch, course NW.; asc. 130 ft. over E. slope to
79.92	Intersect the subdivision line bet. secs. 23 and 24 surveyed N. 0° 01' W. Closing cor. of said secs. established at this point as hereinafter described.
	Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and oak. Undergrowth, oakbrush, manzanita and laurel.
	From closing cor. of secs. 23 and 24, West, on true line, on N. bdy. of sec. 23. Over mountainous land, thru scattering timber and undergrowth. Asc. 10 ft. over E. slope.
0.50	Point of spur, slopes N. 30° E.; desc. 37 ft. over NW. slope.
4.63	Head of draw, course N.; asc. 217 ft. over NE. slope.
13.77	Spur, slopes N.; desc. 377 ft. over steep W. slope to
16.29	(40.00 chs. W. from true point for std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W.) Intersect the std. ¼ sec. cor. of sec. 36, Frac. T. 17 N., R. 9 W., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record.
	Desc. 432 ft. over broken NW. slope.
31.95	Bottom of ravine, course NW.; asc. 37 ft. over NE. slope.
34.29	Point of spur, slopes NW.; desc. 55 ft. over NW. slope to
39.89	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone 20x14x5 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for N. ¼ sec. cor. of sec. 23, with brass cap marked
	<hr style="width: 10%; margin: auto;"/> ¼ S23 1938
	No bearing trees available.
	Desc. 70 ft. over NW. slope.
47.86	Bottom of gulch, 10 lks. wide, course N. 30° W.; desc. 120 ft. over NW. slope to
56.29	(80.00 chs. W. from true point for std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W.) Intersect the std. cor. of secs. 35 and 36; Frac. T. 17 N., R. 9 W., which is an iron post, 2 ins. in diam.; projecting 28 ins. above ground, firmly set in ground and mound of stone, marked on brass cap and witnessed as described in the official record.

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

14

Chains	Desc. 266 ft. over NW. slope to Burro Creek.
64.01	Wash, 10 lks. wide, course NW. near mouth of same.
66.19	Left edge of bed of Burro Creek, bears NE, and SW. Thence over nearly level creek bed.
79.78	Intersect the subdivision line bet. secs. 22 and 23 surveyed N. 0° 01' W. This point being in the creek bed and subject to overflow, it is impracticable to monument the closing cor. of said secs. here, therefore establish witness cor. on the sec. line at a point 3.15 chs. S. 0° 01'E. as hereinafter described.
	Land, mountainous, except in bed of Burro Creek. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, oakbrush, manzanita, laurel and cacti.
	From true point for closing cor. of secs. 22 and 23, West, on true line, on N. bdy. of sec. 22.
	Over nearly level land, in bed of Burro Creek, thru scattering timber and undergrowth.
1.41	Center of normal water channel of Burro Creek, 50 lks. wide, course SW., now containing a flowing stream of water, 30 lks. wide, 12 ins. deep.
	Continue over creek bed.
3.24	Right edge of creek bed, bears NE. and SW. Leave bed of Burro Creek, and enter gently rolling land. Asc. 7 ft. over SE. slope to
5.51	Foot of steep slope, bears NE. and SW. Enter mountainous land. Asc. 140 ft. over SE. slope to
16.51	(40.00 chs. W. from std. cor. of secs. 35 and 36) Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 35, Frac. T. 17 N., R. 9 W., which is an iron post, 1 in. in diam., projecting 26 ins. above ground, firmly set in ground and mound of stone, marked on brass cap as described in the official record. No accessories.
	Asc. 270 ft. over steep broken SE. slope to
40.00	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone 14x9x3 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for N. $\frac{1}{4}$ sec. cor. of sec. 22, with brass cap marked
	<u>$\frac{1}{4}$ S22</u>
	1938
	No bearing trees available.
	Asc. 5 ft. over SE. slope to
40.30	Foot of cliffs, bearing NE. and SW., facing SE. Discontinue chaining. Asc. about 550 ft. over cliffs. Measurement to the std. cor. of secs. 34 and 35 by triangulation to rim of mesa and return measurement by chaining, as hereinbefore described.

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16½ N., R. 9 W.

15

Chains	
56.51	<p>(80.00 chs. W. from std. cor. of secs. 35 and 36) Intersect the std. cor. of secs. 34 and 35, Frac. T. 17 N., R. 9 W., which is an iron post, 2 ins. in diam., projecting 26 ins. above ground, firmly set in ground and mound of stone, and marked on brass cap as described in the official record. No accessories.</p> <p>Resume chaining, and continue line and measurement. Asc. 140 ft. over steep SE. slope to</p>
61.28	<p>Rim of mesa, bears NE. and SW. Leave mountainous and enter gently rolling land on mesa. Desc. 40 ft. over gradual W. slope to</p>
80.00	<p>Intersect the subdivision line bet. secs. 21 and 22 surveyed N. 0° 02' W. Closing cor. of said secs. established at this point as hereinafter described.</p> <p>Land, nearly level, broken, mountainous and gently rolling. Soil, rocky, 4th rate. Timber, pinyon. Sycamore and oak along Burro Creek. Undergrowth, oakbrush, manzanita, laurel and cacti.</p>
	<p>From closing cor. of secs. 21 and 22, West, on true line, on N. bdy. of sec. 21. Over gently rolling land, on mesa, thru scattering undergrowth. Desc. 30 ft. over gradual W. slope to</p>
16.51	<p>(40.00 chs. W. from std. cor. of secs. 34 and 35) Intersect the std. ¼ sec. cor. of sec. 34, Frac. T. 17 N., R. 9 W., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, marked on brass cap as described in the official record, and witnessed by a mound of stone N. of cor. No bearing trees.</p> <p>Continue over mesa. Desc. 15 ft. over gradual W. slope to</p>
22.00	<p>Rim of mesa, bears NE. and SW. Leave mesa and enter mountainous land. Desc. 105 ft. over W. slope.</p>
27.96	<p>Wash, 15 lks. wide, course SW.; asc. 87 ft. over SE. slope to</p>
40.02	<p>(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for N. ¼ sec. cor. of sec. 21, with brass cap marked</p>
	<p style="text-align: center;">¼ S21 1938</p> <p>No bearing trees available. Asc. 15 ft. over SE. slope.</p>
42.47	<p>Point of spur, slopes S.; desc. 295 ft. over steep W. slope.</p>
50.82	<p>Bottom of canyon, 30 lks. wide, course S. 15° E.; asc. 219 ft. over steep SE. slope to</p>

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

16

Chains	
56.51	<p>(80.00 chs. W. from std. cor. of secs. 34 and 35) Intersect the std. cor. of secs. 33 and 34, Frac. T. 17 N., R. 9 W., which is an iron post, 2 ins. in diam., projecting 14 ins. above ground, firmly set in ground and mound of stone, marked on brass cap as described in the official record, and witnessed by a mound of stone N. of cor. No bearing trees.</p> <p>Asc. 91 ft. over steep SE. slope.</p>
58.94	<p>Rim of mesa, bears N. and S. Thence over nearly level point of mesa, extending S. about 5 chs. dist.</p>
61.95	<p>Rim of mesa, bears NW. and SE. Leave point of mesa and reenter mountainous land. Desc. 158 ft. over SW. slope.</p>
67.46	<p>Bottom of gulch, 40 lks. wide, course S. 30° E.; asc. 148 ft. over E. slope.</p>
71.81	<p>Rim of mesa, bears N. and S. Leave mountainous and enter nearly level land on mesa.</p>
80.04	<p>Intersect the subdivision line bet. secs. 20 and 21 surveyed N. 0° 02' W. Closing cor. of said secs. established at this point as hereinafter described.</p> <p>Land, gently rolling, mountainous and nearly level. Soil, rocky, 3rd and 4th rates. Timber, none. Undergrowth, catclaw, cacti, and grass.</p>
16.47	<p>From closing cor. of secs. 20 and 21, West, on true line, on N. bdy. of sec. 20.</p> <p>Over nearly level land on mesa, thru scattering undergrowth.</p> <p>(40.00 chs. W. from the std. cor. of secs. 33 and 34) Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 33, Frac. T. 17 N., R. 9 W., which is an iron post, 1 in. in diam., projecting 8 ins. above ground, firmly set, marked on brass cap as described in the official record, and witnessed by a mound of stone N. of cor. No bearing trees.</p> <p>Continue over nearly level land on mesa. Asc. gradually over E. slope.</p>
40.08	<p>(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for N. $\frac{1}{4}$ sec. cor. of sec. 20, with brass cap marked</p>
	<p style="text-align: center;"><u>1/4 S20</u> 1938</p>
	<p>No bearing trees available.</p>
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.</p>
	<p>Asc. 18 ft. over gradual E. slope.</p>
52.40	<p>Rim of mesa, bears N. 5° E. and S. 5° W. Leave mesa and enter mountainous land. Desc. 50 ft. over W. slope to</p>

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

17

Chains

- 56.47 (80.00 chs. W. from std. cor. of secs. 33 and 34)
Intersect the std. cor. of secs. 32 and 33, Frac. T. 17 N.,
R. 9 W., which is an iron post, 2 ins. in diam., pro-
jecting 26 ins. above ground, firmly set in ground and
mound of stone, and marked on brass cap as described in
the official record. No accessories.
Desc. 247 ft. over steep W. slope.
- 63.42 Spencer Creek (dry) 40 lks. wide, course S. 30° W. from
N. in bottom of canyon; asc. 228 ft. over SE. slope.
- 71.17 Spur, slopes S. 20° W.; desc. 175 ft. over NW. slope to
- 80.15 Intersect the subdivision line bet. secs. 19 and 20 sur-
veyed N. 0° 03' W.
Closing cor. of said secs. established at this point as
hereinafter described.
- Land, nearly level, gently rolling, and mountainous.
Soil, adobe 2nd rate and rocky, 3rd and 4th rates.
Timber, none.
Undergrowth, catclaw and cacti.
-
- From closing cor. of secs. 19 and 20,
West, on true line, on N. bdy. of sec. 19.
Over mountainous land, thru scattering undergrowth.
Desc. 9 ft. over NW. slope.
- 0.65 Bottom of draw, 10 lks. wide, course SW. Asc. 60 ft. over
SE. slope to
- 6.35 Bottom of draw, 10 lks. wide, course SE.; asc. 90 ft. over
SE. slope.
- 15.80 Spur, slopes S.; desc. slightly over SW. slope to
- 16.32 (40.00 chs. W. from std. cor. of secs. 32 and 33)
Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 32, Frac. T. 17 N.,
R. 9 W., which is an iron post, 1 in. in diam., project-
ing 24 ins. above ground, firmly set in ground and mound
of stone, and marked on brass cap as described in the
official record. No accessories.
Desc. gradually along S. slope.
- 18.35 Spur, slopes SW.; desc. 345 ft. over broken W. slope.
- 34.72 Wash, 30 lks. wide, course S. 30° W., in bottom of canyon.
Asc. 110 ft. over E. 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 marked with a cross (X)
deposited at base, and in a mound of stone to top, for
N. $\frac{1}{4}$ sec. cor. of sec. 19, with brass cap marked

 $\frac{1}{4}$ S19

1938

No bearing trees available.

Asc. 278 ft. over E. slope.

Retracement: 4th Standard Parallel North thru Parts of Rs. 8 and 9 W.
and
Survey: North boundary: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

18

Chains

- 52.35 Spur, slopes S. 10° W.; desc. 126 ft. over W. slope to
56.32 (80.00 chs. W. from std. cor. of secs. 32 and 33)
Intersect the std. cor. of secs. 31 and 32, Frac. T. 17 N.,
R. 9 W., which is an iron post, 2 ins. in diam., project-
ing 36 ins. above ground, firmly set in a mound of stone,
and marked on brass cap as described in the official
record. No accessories.
Desc. 195 ft. over W. slope.
64.48 Wash, 15 lks. wide, course S.; asc. 12 ft. over E. slope.
65.95 Point of spur, slopes SE.; asc. 75 ft. over S. and SE.
slopes.
73.57 Point of spur, slopes S;; asc. 52 ft. over broken S. slope
to
77.24 Intersect the closing cor. of Frac. Ts. 16 $\frac{1}{2}$ N., Rs. 9 and
10 W., which is an iron post, 3 ins. in diam., project-
ing 32 ins. above ground, firmly set in ground and mound
of stone, and correctly marked on brass cap as follows:

T17N R9W

S31

S24 S19

R10W R9W

C C

T16 $\frac{1}{2}$ N

1930.

No accessories.

The marking on the cap as described in the official record
is erroneous.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, catclaw and cacti.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

19

Chains

The cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp. is an iron post, 2 ins. in diam., projecting 36 ins. above ground, firmly set in a mound of stone and correctly marked on brass cap as follows:

T16½N	R9W
S35	S36
S2	S1
T16N	

1933

No accessories.

The marking on the cap as described in the official record is erroneous.

Thence

N. 0° 01' W., bet. secs. 35 and 36.

Over mountainous land, thru scattering timber and dense undergrowth.

Desc. 553 ft. over steep, rocky N. slope.

20.46 Conger Creek (dry), 100 lks. wide, course S. 51½° W., from N. 70¼° E., general course NW.; in bottom of canyon.

Asc. 345 ft. over steep SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone 14x12x14 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

¼

S35	S36
-----	-----

1938

No bearing trees available.

Asc. 332 ft. over steep SE. slope to

55.13 Draw, course SE.; asc. 335 ft. over steep S. slope to

63.73 S. rim of mesa, bears NW. and SE.

Thence over gently rolling land on Shirt Tail Mesa. Desc. 28 ft. over NE. slope to

72.72 N. rim of mesa, bears N. 70° W. and S. 70° E. Leave mesa; desc. 246 ft. over steep N. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 25, 26, 35 and 36, with brass cap marked

T16½N	R9W
S26	S25
S35	S36

1938

from which

BOOP. 4207

Survey: Subdivision lines: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

20

Chains	
	<p>A pinyon, 6 ins. diam., bears S. 38° W., 11 lks. dist., marked T16$\frac{1}{2}$N R9W S35 BT.</p> <p>No other bearing tree available.</p> <p>Land, mountainous and gently rolling. Soil, rocky clay loam, 4th rate. Timber, juniper and pinyon. Undergrowth, oakbrush and cacti.</p>
	<p>N. 89° 57' E., on random line, bet. secs. 25 and 36.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect the E. bdy. of the Tp. 2 lks. S. of the cor. of secs. 25 and 36, hereinbefore described.
	Thence
	S. 89° 56' W., on true line, bet. secs. 25 and 36.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Desc. 46 ft. over steep W. slope.
1.32	Bottom of rocky draw, 10 lks. wide, course S.; asc. 91 ft. over SE. slope.
8.54	Spur, slopes S.; desc. 198 ft. over SW. slope.
24.40	Little Cypress Creek (dry), 30 lks. wide, in bottom of canyon, course S. 20° E., general course SW.; asc. 374 ft. over steep E. slope.
35.90	Spur, slopes SE.; near point of same; asc. 9 ft. over S. slope to
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bedrock, with a stone 24x16x12 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 25}{S \ 36}$ <p>1938</p>
	No bearing trees available.
	Asc. 305 ft. over steep, broken, rocky SE. slope to
49.23	Top of nearly vertical cliff, 100 ft. high, bearing NE. and SW., facing SE. Asc. 59 ft. over SE. slope.
56.38	Divide bears NE. and SW.; desc. 253 ft. over NW. slope.
77.17	Draw, course NW.; desc. 8 ft. over steep N. slope to
79.94	The cor. of secs. 25, 26, 35 and 36.
	<p>Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and pinyon. Undergrowth, oakbrush and laurel.</p>

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

Chains	<p>N. 0° 01' W., bet. secs. 25 and 26.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Desc. 94 ft. over steep N. slope.</p> <p>3.20 Bottom of Ora Hannah Canyon, 10 lks. wide, course NW., from NE.; asc. 360 ft. over steep S. slope to</p> <p>11.00 Rim of canyon, bears NE. and NW. Thence over gently rolling top of spur sloping SW. Asc. gradually to</p> <p>16.53 Desc. 10 ft. over NW. slope.</p> <p>18.22 Asc. 17 ft. over W. slope to</p> <p>23.20 NW. edge of top of spur, bears NE. and SW. Leave top of spur. Desc. 218 ft. over NW. slope.</p> <p>32.28 Bottom of ravine, 10 lks. wide, course SW.; asc. 162 ft. over S. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone 12x10x10 ins., marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼</p> <p style="text-align: center;">S26 S25</p> <p style="text-align: center;">1938</p> <p>No bearing trees available.</p> <p>Thence along broad top of spur sloping S. Asc. 277 ft. to</p> <p>53.30 Leave top of spur, sloping S. from N. 5° E. Asc. 45 ft. over W. slope.</p> <p>57.24 Desc. 28 ft. over NW. slope.</p> <p>62.33 Head of draw, course SW.; asc. 347 ft. over SW. and S. slopes.</p> <p>78.50 Ridge, bears E. and W.; enter dense timber. Desc. 12 ft. over NE. slope to</p> <p>80.00 Set an iron post; 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 23, 24, 25 and 26, with brass cap marked</p> <p style="text-align: center;">T16½N R9W S23 S24 ----- S26 S25</p> <p style="text-align: center;">1938</p> <p style="text-align: right;">from which</p> <p>A pinyon, 6 ins. diam., bears N. 48° E., 76 lks. dist.; marked T16½N R9W S24 BT.</p> <p>A pinyon; 5 ins. diam., bears S. 38½° E., 27 lks. dist., marked T16½N R9W S25 BT.</p> <p>A pinyon, 6 ins. diam., bears S. 16¾° W., 24 lks. dist., marked T16½N R9W S26 BT.</p>
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Survey: Subdivision lines: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

22

Chains	
	<p>A pinyon, 5 ins. diam., bears N. 59$\frac{3}{4}$° W., 9 lks. dist., marked T16$\frac{1}{2}$N R9W S23 BT.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon. Undergrowth, oakbrush and laurel.</p>
	<p>N. 89° 56' E., on random line, bet. secs. 24 and 25.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.95	<p>Intersect the E. bdy. of the Tp. 5 lks. N. of true point for cor. of secs. 24 and 25, on rock outcrop, bearing E. and W., witnessed 20 lks. S. as hereinbefore described.</p> <p>From true sec. cor. point;</p> <p>S. 89° 58' W., on true line, bet. secs. 24 and 25.</p> <p>Over mountainous land, thru scattering timber and dense undergrowth.</p> <p>Asc. 89 ft. over S. slope of spur, the top of which, sloping E. is about 3 chs. N. of line.</p>
10.24	Asc. 190 ft. over broken SE. slope.
17.26	E. edge of top of spur, bears NW. and SE. Thence over gently rolling top of spur, sloping SE. Asc. 24 ft. over NE. slope.
28.96	Desc. 25 ft. over gradual SW. slope to
35.90	W. edge of top of spur, bears NW. and SE. Leave top of spur: Desc. 61 ft. over SW. slope to
39.98	<p>Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone 8x8x6 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ $\frac{S\ 24}{S\ 25}$ 1938 </p> <p>No bearing trees available.</p>
	Desc. 5 ft. over SW. slope.
40.76	Head of draw, course S. 5° E.; asc. 147 ft. over SE. slope.
57.00	Ridge, bears NE. and W. Thence along top of ridge. Desc. 29 ft. to
63.27	Saddle, draining N. and SE. Leave top of ridge, bearing E. and S. 85° W. Asc. 165 ft. over NE. slope to sec. cor.
73.15	Enter dense timber, bears NE. and SW.
79.95	<p>The cor. of secs. 23, 24, 25 and 26.</p> <p>Land, mountainous. Soil, gravelly and rocky, 4th rate. Timber, pinyon. Undergrowth, laurel and oakbrush.</p>

Survey: Subdivision lines; Frac. T. 16 1/2 N., R. 9 W.

Chains

N. 0° 01' W., bet. secs. 23 and 24.

Over mountainous land, thru dense timber and undergrowth.

Desc. 558 ft. over broken NE. slope.

37.13

Head of rocky draw, course NE. Leave dense and enter scattering timber, bears E. and W. Asc. 44 ft. over SE. 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 12x12x10 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

S23 | S24

1938

No bearing trees available.

Asc. 104 ft. over SE. slope.

42.52

Point of spur, slopes E.; desc. 650 ft. over NE. and E. slopes to

68.06

Intersect the N. bdy. of the Tp. (4th Standard Parallel North).

Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, with a stone 10x6x6 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for closing cor. of secs. 23 and 24, with brass cap marked

T17N R9W	
S36	
S23	S24
T16 1/2 N	R9W
C C	

1938

No bearing trees available.

From point of intersection the std. 1/4 sec. cor. of sec. 36, Frac. T. 17 N., R. 9 W., hereinbefore described bears West, 16.29 chs. dist.

From same point the true point for std. cor. of Frac. Ts. 17 N., Rs. 8 and 9 W., bears East 23.71 chs., which is witnessed 30 lks. W. as hereinbefore described.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth, oakbrush and laurel.

The cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the Tp. is an iron post, 2 ins. in diam., projecting 8 ins. above ground, firmly set, witnessed by a mound of stone W., and correctly marked on brass cap as follows:

T16 1/2 N R9W	
S34	S35
S3	S2
T16N	

1933

BOOK 4207

Survey: Subdivision lines: Frac. T. 16 1/2 N., R. 9 W.

Chains

No bearing trees.

The marking on the cap as described in the official record is erroneous.

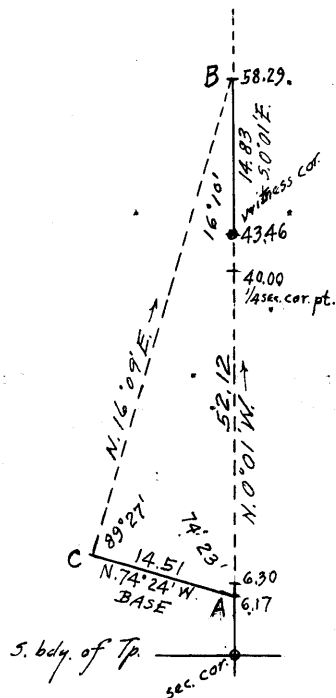
Thence

N. 0° 01' W., bet. secs. 34 and 35.

Over nearly level land, on Bogart Mesa, thru scattering timber and undergrowth: Desc. slightly to rim of mesa.

6.17 Triangulation point "A".

6.30 Rim of Bogart Mesa, bears NW. and SE. Beyond this point the sec. line crosses precipitous slopes and cliffs in Conger Creek Canyon. Chaining being impracticable, triangulate measurement as follows:



Designate 6.17 ch. station as "A".

Set flag "B" ahead on sec. line, on the N. side of the canyon, the vertical angle to which from "A" is -10 1/4°.

From "A" chain a base N. 74° 24' W. 14.51 chs. to point "C" from which flag "B" bears N. 16° 09' E.

Included angles of triangle "A-B-C" are: 74° 23', 16° 10' and 89° 27', the sum of which is 180° 00'.

Triang. dist. A-B=52.12 chs. N.0°01'W.
 Sec. cor. to "A" = 6.17 chs. N.0°01'W.
 Sec.cor. to "B" = 58.29 chs. N.0°01'W.

38.00 (Approx.) Conger Creek, (dry), 3.00 chs. wide, course N. 80° W., about 950 ft. below 6.30 ch. station. Ascend about 90 ft. over S. slope to witness cor. to 1/4 sec. cor.

40.00 Point for 1/4 sec. cor. is on precipitous S. slope where it is impracticable to monument the cor., therefore establish witness cor. on line at a point 3.46 chs. N. 0° 01' W., as hereinafter described.

From triangulation point "B" at 58.29 ch. station chain return measurement 14.83 chs. S. 0° 01' E. to

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

S34 | S35
W.C

1938

No bearing trees available.

Asc. 269 ft. over steep, broken, rocky S. slope to

Survey: Subdivision lines: Frac. T. 16 1/2 N., R. 9 W.

Chains

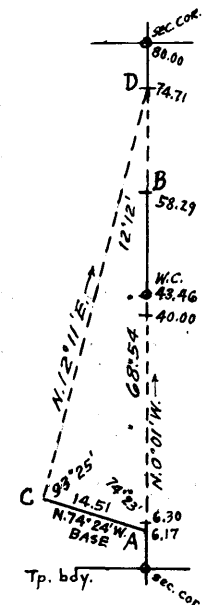
58.29 Triangulation point "B" on small bench in steep S. slope from Shirt Tail Mesa. Beyond this point precipitous ascent of about 650 ft. over S. slope to rim of mesa renders chaining impracticable, therefore triangulate as follows:

Using the same base "A-C" which was used in the triangulation from 6.17 ch. station to 58.29 ch. station as hereinbefore described, set a flag "D" ahead on sec. line at the S. rim of Shirt Tail Mesa, the vertical angle to which from point "A" is + 1°.

Flag "D" bears N. 12° 11' E., from "C".

Included angles of triangle "A-C-D" are: 74° 23', 93° 25' and 12° 12', the sum of which is 180° 00'.

Triang. dist. "A-D" = 68.54 chs. N. 0° 01' W.
Sec. cor. to "A" = 6.17 chs. N. 0° 01' W.
Sec. cor. to "D" = 74.71 chs. N. 0° 01' W.

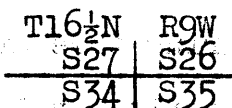


74.71 Triangulation point "D" at S. rim of Shirt Tail Mesa, bearing N. 60° W. and S. 60° E. about 1000 feet above Conger Creek.

Resume chaining and continue line and measurement.

Across nearly level land on Shirt Tail Mesa. Asc. 6 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, with a stone 8x4x4 ins. marked with a cross (X) deposited at base, and in a small mound of stone to top, for cor. of secs. 26, 27, 34 and 35, with brass cap marked



1938

from which

A juniper, 8 ins. diam., bears S. 45 1/4° W., 208 lks. dist., marked T16 1/2 N R9 W S34 BT.

A juniper, 10 ins. diam., bears N. 52 1/2° W., 315 lks. dist., marked T16 1/2 N R9 W S27 BT.

No other bearing trees available.

Land, nearly level on the mesas, elsewhere mountainous. Soil, rocky, 4th rate. Timber, juniper and pinyon. Sycamore along Conger Creek. Undergrowth, oakbrush and laurel.

N. 89° 57' E., on random line, bet. secs. 26 and 35.

13.34 Offset South 3.72 chs. to avoid precipitous slope. Thence N. 89° 57' E., 22.90 chs. on offset line parallel to random sec. line. Thence, North, 3.72 chs., returning to random sec. line at

36.24 Offset point. Thence on random line, continuing measurement.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

26

Chains	
40.00	Set temp. ¼ sec. cor.
80.01	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 25, 26, 35 and 36, Thence S. 89° 55' W.; on true line, bet. secs. 26 and 35. Over mountainous land, thru scattering timber and dense undergrowth; on S. side of Ora Hannah Canyon, on steep, broken N. slope from Shirt Tail Mesa. Asc. 99 ft.
12.00	Desc. 63 ft.
21.94	Asc. 43 ft.
32.32	Asc. 116 ft. over steep NE. slope to
37.00	N. rim of Shirt Tail Mesa, bears N. 60° W. and S. 60° E. Leave mountainous and enter nearly level and gently rolling land on Shirt Tail Mesa, thru scattering timber and undergrowth. Desc. gradually to
40.01	Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked $\begin{array}{c} \frac{1}{4} \frac{S \ 26}{S \ 35} \\ 1938 \end{array}$ from which A juniper, 36 ins. diam., bears S. 86° W., 352 lks. dist., marked ¼ S35 BT. No other bearing tree available. Continue over nearly level and gently rolling land on Shirt Tail Mesa.
43.77	Offset point.
44.00	N. rim of Shirt Tail Mesa, bears N. 80° E. and S. 80° W. Discontinue chaining on sec. line as the same crosses precipitous broken N. slope from mesa rim. Measurement by offset line parallel to and 3.72 chs. S. from sec. line, from 43.77 ch. station and returning to sec. line at
66.67	N. rim of Shirt Tail Mesa, bearing N. 60° W. and S. 75° E., about 65 ft. above same rim at 44.00 ch. station. Thence over gently rolling land on said mesa. Desc. 20 ft. over NW. slope to
80.01	The cor. of secs. 26, 27, 34 and 35. Land, nearly level and gently rolling on mesa, elsewhere broken and mountainous. Soil, rocky clay loam, and rocky; 3rd and 4th rates. Timber, juniper and pinyon. Undergrowth, oakbrush and laurel.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

27

Chains	N. 0° 01' W., bet. secs. 26 and 27.
	Over gently rolling land, on Shirt Tail Mesa, thru scattering timber and undergrowth.
	Desc. 12 ft. over gradual NW. slope to
7.88	N. rim of Shirt Tail Mesa, bears E. and W. Leave mesa and enter mountainous land. Desc. 201 ft. over steep N. slope.
11.84	Desc. 610 ft. over steep NE. slope.
34.58	Bottom of Ora Hannah Canyon, 10 lks. wide, course N. 70° W.; asc. 11 ft. over SW. slope.
37.45	Point of spur, slopes W.; desc. 12 ft. over NW. slope to
39.40	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone 6x6x3 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to ¼ sec. cor. with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ W \ C \\ S27 \ \ S26 \\ 1938 \end{array}$
	from which
	A pinyon, 4 ins. diam., bears S. 39° W., 91 lks. dist., marked WC¼ S27 BT.
	No other bearing tree available.
39.50	Left bank of wash, bears N. 75° E. and S. 75° W. Desc. 5 ft. over NW. slope to
40.00	True point for ¼ sec. cor. falls in wash, 10 lks. wide, course S. 75° W., where it is impracticable to monument the cor., therefore establish witness cor. on line at a point 60 lks. S. 0° 01' E., as described above.
	Asc. 200 ft. over SW. and W. slopes.
55.11	Head of draw, course S. 10° W.; asc. 109 ft. over S. slope.
61.76	Ridge, bears E. and W.; desc. 258 ft. over broken N. slope.
79.44	Wash, 20 lks. wide, course NW.; asc. 7 ft. over SW. 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. 22, 23, 26 and 27, with brass cap marked
	$\begin{array}{c} T16\frac{1}{2}N \quad R9W \\ S22 \ \ S23 \\ \hline S27 \ \ S26 \\ 1938 \end{array}$
	from which
	A pinyon, 5 ins. diam., bears N. 60½° E., 48 lks. dist., marked T16½N R9W S23 BT.

Chains

A pinyon, 6 ins. diam., bears S. 8 $\frac{1}{2}$ ° E., 117 lks. dist., marked T16 $\frac{1}{2}$ N R9W S26 BT.

A pinyon, 6 ins. diam., bears S. 51° W., 128 lks. dist., marked T16 $\frac{1}{2}$ N R9W S27 BT.

A pinyon, 6 ins. diam., bears N. 12 $\frac{1}{2}$ ° W., 76 lks. dist.; marked T16 $\frac{1}{2}$ N R9W S22 BT.

Land, gently rolling on mesa at S. end of line, elsewhere mountainous.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth; oakbrush, laurel and cacti.

N. 89° 55' E., on random line, bet. secs. 23 and 26.

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

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

Thence

S. 89° 58' W., on true line, bet. secs. 23 and 26.

Over mountainous land, thru dense timber and scattering undergrowth.

Asc. 45 ft. over NE. slope.

5.45 Ridge, bears NW. and SE., turning to E. at about 2 chs. SE. of this point, where spur from said ridge slopes SW. Leave dense and enter scattering timber. Desc. 39 ft. over W. slope.

9.60 Desc. 229 ft. over SW. slope.

24.08 Head of wash, course S. for about 7 chs., thence SW.; asc. 159 ft. over SE. slope.

30.45 Spur, slopes SW.; desc. 376 ft. over steep NW. slope to

40.03 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, with a stone 12x10x10 ins. marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

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

1938

No bearing trees available.

Desc. 539 ft. over steep, rocky NW. slope.

61.08 Desc. 58 ft. over N. slope.

69.65 Spur, slopes W. from SE.; desc. 250 ft. along top of spur.

78.50 Leave top of spur, slopes NW. from E.; desc. 16 ft. over SW. slope to

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth, oakbrush and laurel.

Survey: Subdivision lines; Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

29

Chains	
	N. 0° 01' W., bet. secs. 22 and 23.
	Over mountainous land, thru scattering timber and dense undergrowth.
	Asc. 9 ft. over SW. slope.
2.00	Point of spur, slopes NW.; desc. 14 ft. over NW. slope.
4.80	Draw, course N. 80° W., from E.; asc. 202 ft. over S. slope.
13.78	Ridge, bears E. and W.; desc. 384 ft. over steep NW. slope.
26.80	Junction of washes from NE. and SE., course W.; asc. 98 ft. over S. slope.
29.78	Sharp spur, slopes W., from NE.; desc. 160 ft. over NW. slope.
35.65	Bottom of ravine, 10 lks. wide, course S. 70° W.; asc. 93 ft. over SW. 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
	$\frac{1}{4}$ S22 S23 1938 from which A pinyon, 8 ins. diam., bears S. 64° E., 117 lks. dist., marked $\frac{1}{4}$ S23 BT. A pinyon, 10 ins. diam., bears N. 89° W., 84 lks. dist., marked $\frac{1}{4}$ S22 BT. Asc. 29 ft. over SW. slope.
41.41	Top of ascent on W. side of round hill. Desc. 185 ft. over NW. slope to
57.53	Rocky point, 5 lks. W. of line, facing NW. Desc. 112 ft. over steep NW. slope to
62.65	Foot of steep slope bears NE. and SW. Leave mountainous and enter gently rolling land. Desc. 29 ft. over gradual NW. slope.
65.00	Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to closing cor. of secs. 22 and 23, with brass cap marked
	W C T17N R9W S35 S22 S23 T16 $\frac{1}{2}$ N R9W CC 1938 from which A pinyon, 6 ins. diam., bears S. 62 $\frac{1}{4}$ ° W., 61 lks. dist., marked WC T16 $\frac{1}{2}$ N R9W S22 CC BT. No other bearing tree available.

Survey: Subdivision lines: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

30

Chains

- 65.50 Left edge of bed of Burro Creek, bears E. and SW. Thence across nearly level creek bed, course SW.
- 68.15 Intersect the North bdy. of the Tp. (4th Standard Parallel North). True point for closing cor. of secs. 22 and 23. As this point is in bed of Burro Creek, it is impracticable to monument the closing cor. here, therefore establish witness cor. on the sec. line at a point 3.15 chs. S. 0° 01' E. herefrom as hereinbefore described.
- From this point of intersection the std. $\frac{1}{4}$ sec. cor. of sec. 35, Frac. T. 17 N., R. 9 W., bears West, 16.51 chs. dist., and from same point the std. cor. of secs. 35 and 36, Frac. T. 17 N., R. 9 W., bears East, 23.49 chs. dist. Both of said cors. are hereinbefore described.
- Land, mountainous, gently rolling and nearly level.
Soil, rocky, 4th rate.
Timber, juniper and pinyon. Sycamore and oak along Burro Creek.
Undergrowth, oakbrush and laurel.

The cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp. is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set in ground and mound of stone, and correctly marked on brass cap as follows:

T16 $\frac{1}{2}$ N R9W	
S33	S34
S4	S3
T16N	

1933

and witnessed by a mound of stone W. of cor. No bearing trees.

The marking on the cap as described in the official record is erroneous.

Thence

N. 0° 02' W., bet. secs. 33 and 34.

Over nearly level land, on Bogart Mesa, thru scattering timber and undergrowth.

- 19.00 N. rim of Bogart Mesa, bears N. 80° W. and S. 80° E. Leave mesa and enter mountainous land. Desc. 553 ft. over steep NE. slope to

- 35.06 Foot of steep slope, bears N. 80° W. and S. 80° E. Thence over rolling land on bench. Desc. 40 ft. over gradual NE. 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 marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

 $\frac{1}{4}$

S33	S34
-----	-----

1938

No bearing trees available.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

31

Chains	Continue over rolling land on bench. Desc. 10 ft. over gradual NE. slope to
42.10	Rim of bench, bears N. 80° W. and S. 80° E. Leave bench and enter mountainous land, dense timber and undergrowth. Desc. 585 ft. over steep NE. slope to
66.06	Foot of steep slope bears N. 85° W. and S. 85° E. Thence across nearly level bottom of canyon and bed of Conger Creek, course N. 85° W.
67.50	Stream of water, 10 lks. wide, 12 ins. deep, course N. 85° W. Continue across nearly level bed of Conger Creek and bottom of canyon.
69.36	Foot of steep slope, bears N. 85° W. and S. 85° E. Leave creek bed and bottom of canyon and enter mountainous land, scattering timber and undergrowth. Asc. 158 ft. over steep SW. 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 marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 27, 28, 33 and 34, with brass cap marked.

T16½N	R9W
S28	S27
S33	S34

1938

No bearing trees available.

Land, nearly level, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, oakbrush and cacti.

	N. 89° 57' E., on random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the cor. of secs. 26, 27, 34 and 35.
	Thence
	S. 89° 57' W., on true line, bet. secs. 27 and 34.
	Over nearly level land, on Shirt Tail Mesa, thru scattering timber and undergrowth.
	Desc. 23 ft. over gradual NW. slope to
14.80	S. rim of Shirt Tail Mesa, bears N. 50° W. and S. 50° E. Leave mesa and enter mountainous land. Desc. 128 ft. over steep, SW. slope.
19.41	Thence along steep, broken S. slope, descending gradually to
24.35	Asc. 22 ft.
25.56	Desc. 12 ft.
33.00	Desc. 308 ft. over precipitous SW. slope and cliffs to
40.01	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

32

Chains

the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

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

1938

No bearing trees available.

Desc. 529 ft. over precipitous, broken SW. slope.

67.25 Drain, 5 lks. wide, course SW.; asc. 128 ft. over SE. slope.

72.32 Spur, slopes SW., near point of same; desc. 240 ft. over steep SW. slope to

80.02 The cor. of secs. 27, 28, 33 and 34.

Land, nearly level on mesa, remainder mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, oakbrush, yucca and cacti.

N. 0° 02' W., bet. secs. 27 and 28.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 15 ft. over SW. slope to

2.40 Wash, 20 lks. wide, course S. 10° W.; asc. 177 ft. over SE. slope.

13.28 Spur, slopes SW.; desc. 105 ft. over NW. slope.

17.50 Bottom of draw, 3 lks. wide, course NW.; near head. Asc. 71 ft. over SW. slope.

23.08 Sharp spur, slopes NW., near point of same; desc. 271 ft. over NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

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

$$S28 \ | \ S27$$

1938

No bearing trees available.

Desc. 14 ft. over NW. slope to

42.30 Foot of descent, bears NE. and SW., thence across nearly level bottom of Ora Hannah Canyon, course SW.

43.50 Dry water channel, 100 lks. wide, course SW.

47.29 N. edge of bottom of canyon, bears NE. and SW. Leave bottom of Ora Hannah Canyon, and enter mountainous land. Asc. 113 ft. over S. slope.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

33

Chains							
56.31	S. edge of point of spur, sloping SW. Thence across gently rolling land on point of spur.						
61.30	N. edge of point of spur. Leave point of spur and descend 170 ft. over NW. slope.						
75.60	Burro Creek, 100 lks. wide, course S. 30° W., from N. 70° E., in bottom of canyon, containing a stream of running water, 30 lks. wide, 12 ins. deep. Asc. 85 ft. over SE. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 21, 22, 27 and 28, with brass cap marked						
	<table border="1"> <tr> <td>T16½N</td> <td>R9W</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> <tr> <td>S28</td> <td>S27</td> </tr> </table>	T16½N	R9W	S21	S22	S28	S27
T16½N	R9W						
S21	S22						
S28	S27						
	1938						
	No bearing trees available.						
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and pinyon. Undergrowth, laurel, mormon tea and cacti.						
	N. 89° 57' E., on random line, bet. secs. 22 and 27.						
40.00	Set temp. ¼ sec. cor.						
80.06	Intersect the cor. of secs. 22, 23, 26 and 27..						
	Thence						
	S. 89° 57' W., on true line, bet. secs. 22 and 27.						
	Over mountainous land, thru scattering timber and undergrowth.						
	Desc. 12 ft. over SW. slope.						
1.06	Wash, 20 lks. wide, course NW.; asc. 143 ft. over NE. slope.						
20.29	Draw, course NE.; asc. 25 ft. over gradual E. slope.						
26.00	Asc. 145 ft. over steep E. slope to						
30.50	Foot of cliffs, bearing N. and S. Asc. 195 ft. over cliffs facing E.						
34.29	Top of cliffs, bearing N. and S. Thence across top of butte.						
35.80	Leave top of butte; desc. 56 ft. over W. slope to						
39.26	Top of cliffs, bearing N. and S., facing W.; desc. 140 ft. to foot of cliffs.						
40.03	True point for ¼ sec. cor. is on face of cliff where it is inaccessible and cannot be monumented, therefore establish witness cor. on line at a point 53 lks. S. 89° 57' W. herefrom.						

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

34

Chains

40.56 Foot of cliffs, bears N. and S.
Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to ¼ sec. cor., with brass cap marked

¼ $\frac{S\ 22}{S\ 27}$ WC

1938

No bearing trees available.

Desc. 620 ft. over steep NW. slope thru dense undergrowth.

66.00 Foot of slope, and left edge of bed of Burro Creek and bottom of canyon, bears N. 51° E. and S. 70° W. Thence across nearly level creek bed.

68.21 Stream of water, 30 lks. wide, 12 ins. deep, course S. 70° W., from N. 51° E. Continue across bed of Burro Creek.

74.06 Right edge of creek bed, bears NE. and SW. Leave creek bed and bottom of canyon, and enter mountainous land. Undergrowth becomes scattering. Asc. 68 ft. over SE. slope to

80.06 The cor, of secs. 21, 22, 27 and 28.

Land, mountainous and nearly level.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth, oakbrush, catclaw and cacti.

N. 0° 02' W., bet. secs. 21 and 22.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 360 ft. over SE. slope to

35.90 Draw, course SE.; asc. 135 ft. over steep SE. 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 marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked.

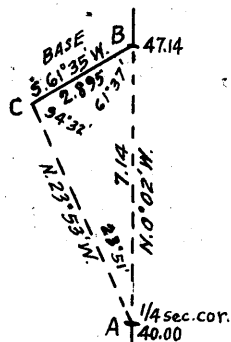
¼.

S21 | S22

1938

No bearing trees available.

Discontinue chaining at this point, owing to cliffs ahead, and triangulate as follows:



Designate the ¼ sec. cor. as point "A".

Set flag "B" ahead on sec. line at top of cliffs, vertical angle to which from "A" is + 47°.

From "B" double chain a base S. 61° 35' W. along the top of the cliffs

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

35

Chains

to point "C" which bears N. 23° 53' W., from "A".

The mean measurement of the base "B-C" is 2.895 chs.

Included angles of the triangle "A-B-C" are: 23°51', 61° 37', and 94°32', the sum of which is 180° 00'.

Chained dist. on sec. line to "A" = 40.00 chs. N. 0° 02' W.
 Triang. dist. "A" to "B" = 7.14 chs. N. 0° 02' W.
 Sec. cor. to "B" = 47.14 chs. N. 0° 02' W.

47.14 Triang. point "B" at top of cliffs bearing NE. and SW., facing SE., about 500 ft. above the ¼ sec. cor.

Resume chaining. Asc. 211 ft. over steep S. slope to

59.22 Rim of mesa, bears NE. and SW. Thence over gently rolling land on mesa.

65.10 Barbed wire fence (3 wire) bears NW. and SE.

68.26 Intersect the North bdy. of the Tp. (4th Standard Parallel North).

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for closing cor. of secs. 21 and 22, with brass cap marked

T17N	R9W
S34	
S21	S22
T16½N	R9W
C C	

1938

No bearing trees available.

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

From the point of intersection the std. ¼ sec. cor. of sec. 34, Frac. T. 17 N.; R. 9 W. bears West, 16.51 chs. dist., and from the same point the std. cor. of secs. 34 and 35, Frac. T. 17 N., R. 9 W. bears East, 23.49 chs. dist. Both of said cors. hereinbefore described.

Land, mountainous and gently rolling.
 Soil, rocky, 4th rate.
 Timber, pinyon, mesquite and catclaw.
 Undergrowth, oakbrush, grass and cacti.

The cor. of secs. 4; 5, 32 and 33 on the S. bdy. of the Tp. is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set in ground and mound of stone, and correctly marked on brass cap as follows:

T16½N	R9W
S32 S33	
S5	S4
T16N	

1933

and witnessed by a mound of stone W. of cor. No bearing trees.

The marking on the brass cap as described in the official record is erroneous.

Survey: Subdivision lines: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

36

Chains	Thence
	N. 0° 02' W., bet. secs. 32 and 33.
	Over mountainous land, thru scattering timber and undergrowth.
	Desc. 262 ft. over NW. slope.
24.60	Burro Creek, with stream of water 30 lks. wide, 12 ins. deep, course N. 45° W., from N. 70° E., general course SW. This point is also the mouth of Gonger Creek, from N. 80° E., which creek also has a stream of water. Asc. 14 ft. over S. slope to
25.99	Top of creek bank, bears E. and W. Enter nearly level and gently rolling land.
	Asc. 30 ft. over gradual SE. slope to $\frac{1}{4}$ sec. cor.
26.51	Barbed wire fence (4 wire) bears E. and W. Thence across Wooten Ranch.
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
	$\frac{1}{4}$
	S32 S33
	1938
	No bearing trees available.
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Continue over nearly level and gently rolling land. Asc. 25 ft. over gradual SE. slope.
43.70	SW. cor. of Wooten's log cabin, bears E., 40 lks. dist. with barn alongside. Pasture about 7 chs. square is located between the right bank of Burro Creek and the cabin.
45.70	Barbed wire fence (4 wire) bears E. and W. Leave Wooten ranch.
69.95	Foot of steep slope bears NE. and SW. Leave gently rolling and enter mountainous land. Asc. 60 ft. over steep E. slope.
78.50	Desc. slightly over steep E. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 28, 29, 32 and 33, with brass cap marked
	T16 $\frac{1}{2}$ N R9W
	S29 S28
	S32 S33
	1938
	No bearing trees available.
	Land, mountainous, nearly level and gently rolling.

Survey: Subdivision lines: Frac. T. 16½ N., R. 9 W.

Chains	<p>Soil, rocky, 4th rate, except in a small strip of bottom land along the W. bank of Burro Creek where the soil is a sandy loam, 1st and 2nd rates.</p> <p>Timber, pinyon and oak. Sycamore along Burro and Conger creeks.</p> <p>Undergrowth, oakbrush, cacti and grass.</p> <hr/> <p>N. 89° 57' E., on random line, bet. secs. 28 and 33.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>80.00 Intersect the cor. of secs. 27, 28, 33 and 34.</p> <p>Thence</p> <p>S. 89° 57' W., on true line bet. secs. 28 and 33.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Desc. 31 ft. over SW. slope.</p> <p>1.10 Wash, 20 lks. wide, course S. 10° W.; asc. 286 ft. over SE. slope.</p> <p>16.70 SE. edge of top of spur, bears NE. and SW. Thence over top of spur, sloping SW.</p> <p>19.60 NW. edge of top of spur, bears NE. and SW. Leave top of spur. Desc. 519 ft. over steep NW. slope to Burro Creek.</p> <p>23.00 From this point cabin at the Loveless ranch on the E. side of Burro Creek, bears North about 18 chs. dist. with barn alongside. In close proximity to the cabin is a small tract of pasture land on E. side of creek, and barbed wire fences on both sides of Burro Creek.</p> <p>30.00 Trail, from the Loveless ranch to Hillside, bears NE. and SW.</p> <p>36.10 Foot of steep slope bears NE. and SW. Enter nearly level bottom of canyon and bed of Burro Creek.</p> <p>37.00 Stream of water, 30 lks. wide, 12 ins. deep, course S. 19° W., turning to W. at 20 lks. SW. of this point. Continue in bed of Burro Creek, course W. from NE. Desc. gradually.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4} \begin{matrix} S 28 \\ S 33 \end{matrix}$ <p>1938</p> <p>from which</p> <p>A sycamore, 14 ins. diam., bears N. 35½° E., 183 lks. dist., marked ¼ S28 BT.</p> <p>A sycamore, 10 ins. diam., bears S. 12¼° W., 34 lks. dist., marked ¼ S33 BT.</p> </div> <p>Continue along bed of Burro Creek and bottom of canyon. Desc. gradually.</p> <p>45.00 Stream of water, 30 lks. wide, 12 ins. deep, course N. 75¼° W., from S. 89° E.</p>
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Survey: Subdivision lines: Frac. T. 16 $\frac{1}{2}$ N., R. 9 W.

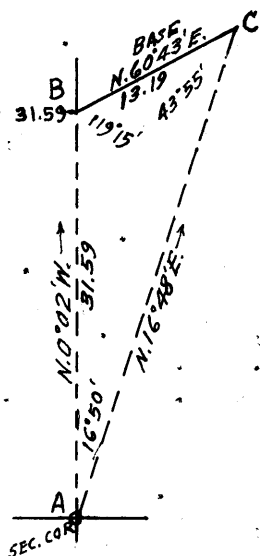
38

Chains	
45.45	Left edge of bed of Burro Creek, bears N. 75 $\frac{1}{4}$ ° W., and S. 89° E. Leave creek bed and bottom of canyon, and enter mountainous land. Asc. 189 ft. over NE. slope.
58.95	Point of spur, slopes NW.; desc. 205 ft. over steep, broken NW. slope to Burro Creek.
69.00	Rim of bench, bears NE. and SW. NW: end of barbed wire fence (4 wire) extending SE. across bench, about 5 chs. to face of cliff.
72.00	Burro Creek, 70 lks. wide, containing a stream of water 30 lks. wide, 12 ins. deep, course S. 4 $\frac{1}{4}$ ° E., from N., in bottom of canyon. A bend in Burro Creek from E. to S. bears N. 3 chs. dist., at which point a wash from W. and NW. enters the creek bed.
	Asc. 151 ft. over steep E. slope to
80.00	The cor. of secs. 28, 29, 32 and 33.
	Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and pinyon. Sycamore along Burro Creek. Undergrowth, oakbrush and cacti.

N. 0° 02' W., bet. secs. 28 and 29.

Over mountainous land, thru very scattering timber and undergrowth.

Chaining is impracticable owing to precipitous slopes and cliffs, therefore triangulate as follows:



Designate cor. of secs. 28, 29, 32 and 33 as point "A".

Set flag "B" ahead on sec. line at top of cliffs, the vertical angle to which from "A" is +30°.

From "B" chain a base N. 60° 43' E., 13.19 chs. to point "C", which bears N. 16° 48' E., from "A".

Included angles of triangle "A-B-C" are: 16° 50', 119° 15' and 43° 55'; the sum of which is 180° 00'.

Triangulated dist. from "A" to "B" = 31.59 chs. N. 0° 02' W.

From sec. cor. (A) ascend over steep E. slope to

5.00 (Approx.) Wash, course E. from NW.; asc. over precipitous broken S. slope and cliffs to

31.59 Triangulation point "B" at top of cliffs bearing E. and W., turning to NE. at 98 lks. E. of this point. About 1200 ft. above cor. of secs. 28, 29, 32 and 33. Begin chaining, and continue line and measurement.

Survey: Subdivision lines: ^{Frac.} T. 16½ N., R. 9 W.

Chains	<p>Leave mountainous and enter heavily rolling grassy land, devoid of timber and undergrowth. Asc. 55 ft. over S. slope.</p>
35.50	Rim of bench, bears NE. and NW. Thence over nearly level grassy land on bench.
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼ S29 S28 1938</p>
	Continue over nearly level grassy land, on bench, devoid of timber and undergrowth.
55.00	Foot of slope, bears E. and W. Leave bench and enter rolling land. Asc. 169 ft. over S. slope to
74.31	Rim of mesa, bears NE. and NW. Thence over level grassy land on mesa. Very scattering timber and undergrowth.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 20, 21, 28 and 29, with brass cap marked</p> <p style="text-align: center;">T16½N R9W S20 S21 S29 S28 1938</p> <p>No bearing trees available.</p> <p>Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land, mountainous, broken, rolling, nearly level and level. Soil, rocky, 4th rate. Timber, mesquite. Undergrowth, oakbrush and cacti.</p>
	N. 89° 57' E., on random line, bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the cor. of secs. 21, 22, 27 and 28.
	Thence
	S. 89° 57' W., on true line, bet. secs. 21 and 28.
	Over mountainous land, thru scattering timber and undergrowth.
	Asc. 1696 ft. over very steep, broken SE. slope.
38.64	<p>Rim of mesa bears NE. and NW. at S. end of long point of mesa bearing N. and S. Saddle bears S. about 10 chs. dist., to the S. of which is a mesa, bearing N. and S. about one half mile long and 8 chs. wide.</p> <p>Desc. 34 ft. over steep SW. slope to</p>

Survey: Subdivision lines: ^{Frac.} T. 16½ N., R. 9 W.

40

Chains	
40.02	<p>Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p>
	<p style="text-align: center;">¼ S 21 S 28</p> <p style="text-align: center;">1938</p>
	<p style="text-align: center;">No bearing trees available.</p>
	<p>Desc. 627 ft. over steep SW. slope to</p>
55.50	<p>Trail, bears N. 20° W. and S. 20° E. at foot of slope, same bearing. Thence across bottom of canyon, course S. 20° E.</p>
56.30	<p>Foot of slope, bears N. 20° W. and S. 20° E. Leave bottom of canyon. Asc. 650 ft. over precipitous E. slope and cliffs to</p>
72.08	<p>Rim of mesa, bears N. and S. Leave mountainous and enter nearly level grassy land on mesa, devoid of timber and undergrowth.</p>
80.04	<p>The cor. of secs. 20, 21, 28 and 29.</p> <p>Land, mountainous, except nearly level on mesa. Soil, rocky, 4th rate. Timber, mesquite. Undergrowth, oakbrush and cacti.</p>
	<p>N. 0° 02' W., bet. secs. 20 and 21.</p>
	<p>Over nearly level grassy land, on mesa. No timber or undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p>
	<p style="text-align: center;">¼</p> <p style="text-align: center;">S20 S21</p> <p style="text-align: center;">1938</p>
	<p>Leave nearly level and enter gently rolling land. Continue over mesa. Desc. 17 ft. over gradual NE. slope to</p>
43.00	<p>Rim of mesa. bears NW. and SE. Leave mesa and enter mountainous land. Desc. 92 ft. over NE. slope.</p>
46.84	<p>Bottom of gulch, course SE.; asc. gradually over W. slope.</p>
51.84	<p>Asc. 87 ft. over SW. slope.</p>
56.77	<p>Rim of mesa, bears NW. and SE. Thence over nearly level grassy land on mesa, thru very scattering undergrowth. No timber.</p>
68.19	<p>Intersect the N. bdy. of the Tp. (4th Standard Parallel North). Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for closing cor. of secs. 20 and 21, with brass cap marked</p>

Frac.
Survey: Subdivision lines: T. 16½ N., R. 9 W.

41

Chains

T17N R9W
S33
S20 | S21
T16½N | R9W
CC

1938

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

From point of intersection the std. ¼ sec. cor. of sec. 33, Frac. T. 17 N., R. 9 W., bears West, 16.47 chs. dist. and from same point the std. cor. of secs. 33 and 34, Frac. T. 17 N., R. 9 W. bears East, 23.53 chs. dist. Both cors. hereinbefore described.

Land, nearly level, gently rolling and mountainous. Soil, rocky, 3rd and 4th rates.

Timber, none.

Undergrowth, none except cacti in N. 11½ chs.

The cor. of secs. 5, 6, 31 and 32, on S. bdy. of the Tp. is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set in ground and small mound of stone, and correctly marked on brass cap as follows:

T16½N R9W
S31 | S32
S6 | S5
T16N

1933

and witnessed by a mound of stone W. No bearing trees.

The marking on the cap as described in the official record is erroneous.

Thence

N. 0° 03' W., bet. secs. 31 and 32.

Over mountainous land, thru scattering undergrowth. No timber.

Asc. 182 ft. over SW. slope to

12.01 Asc. 25 ft. over W. slope.

22.00 Asc. 88 ft. over SW. slope.

35.24 Rim of bench, bears N. 85° W., and S. 15° E. Thence over nearly level grassy land, on bench.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

¼

S31 | S32

1938

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

Continue over nearly level grassy land, on bench, thru very scattering undergrowth.

Frac.
Survey: Subdivision lines: T. 16 $\frac{1}{2}$ N., R. 9 W.

42

Chains							
70.00	Foot of slope, bears NE. and SW. Leave bench. Enter mountainous land. Asc. 74 ft. over SE. slope to						
75.00	Rim of mesa, bears NE. and SW. Leave mountainous and enter nearly level grassy land on mesa.						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 29, 30, 31 and 32, with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2">T16$\frac{1}{2}$N R9W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S30</td> <td style="padding: 0 5px;">S29</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S31</td> <td style="padding: 0 5px;">S32</td> </tr> </table> <p style="text-align: center;">1938</p>	T16 $\frac{1}{2}$ N R9W		S30	S29	S31	S32
T16 $\frac{1}{2}$ N R9W							
S30	S29						
S31	S32						
	<p>From this cor. the E. end of barbed wire fence (4 wire) at rim of mesa, bears S. 37$\frac{1}{2}$° W., 12.00 chs. dist. This fence extends westerly across the mesa about $\frac{1}{2}$ mile to same mesa rim.</p> <p>Land, mountainous and nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, cacti.</p>						
	N. 89° 57' E., on random line, bet. secs. 29 and 32.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
50.28	Top of cliffs, bearing N. 12 $\frac{1}{4}$ ° E. and S. 12 $\frac{1}{4}$ ° W. facing E. Precipitous descent over cliffs renders chaining measurement beyond this point impracticable, therefore triangulate as follows:						
	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 20px;"> <p>Designate 50.28 ch. station on random sec. line as "A".</p> <p>Set flag "B" ahead on random line at a point 26 lks. S. of the cor. of secs. 28, 29, 32 and 33, the vertical angle to which from "A" is - 26$\frac{3}{4}$°.</p> <p>From "A" double chain a base S: 12° 16' W. to point "C" from which the flag "B" bears N. 76° 49' E.</p> </div> </div>						
	The mean of measurements of the base "A-C" is 7.54 chs.						
	Included angles of the triangle "A-B-C" are: 102° 19', 13° 08' and 64° 33', the sum of which is 180° 00'.						
	Chained dist. on random line to "A" = 50.28 chs. N. 89° 57' E. Triang. dist. on random line A to B = $\frac{29.96}{}$ chs. N. 89° 57' E. Total length of random line = 80.24 chs. N. 89° 57' E.						
80.24	Intersect N. and S. line 26 lks. S. of the cor. of secs. 28, 29, 32 and 33.						
	Thence						
	S. 89° 46' W., on true line, bet. secs. 29 and 32.						
	Over mountainous land, thru very scattering timber and						

Survey: Subdivision lines: ^{Frac.} T. 16 $\frac{1}{2}$ N., R. 9 W.

43

Chains	undergrowth. Asc. about 1000 ft. over precipitous E. slope and cliffs. Measurement of 29.96 chs. by triangulation, hereinbefore described.
29.96	Top of cliffs, bearing N. 12 $\frac{1}{4}$ ° E. and S. 12 $\frac{1}{4}$ ° W., facing E. Leave mountainous and enter rolling land. Begin chaining and continue line and measurement. Asc. 22 ft. over SE. slope to
32.70	Thence over top of spur, sloping S.
34.50	Leave top of spur. Reenter mountainous land. Desc. 133 ft. over steep W. slope to
37.74	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked WC $\frac{1}{4}$ $\frac{S\ 29}{S\ 32}$ 1938 No bearing trees available.
40.12	Thence over slide rock on steep W. slope. Desc. 111 ft. to bottom of gulch. True point for $\frac{1}{4}$ sec. cor. is in slide rock where it is impracticable to monument the cor., therefore establish witness cor. on line at 2.38 chs. N. 89° 46' E. herefrom as described above.
41.74	Bottom of gulch, course S. Heads about 5 chs. N. Asc. 189 ft. over cliffs facing SE.
45.81	Top of cliffs, bearing NE. and SW. Asc. 163 ft. over SE. slope.
56.04	Barbed wire fence (4 wire) bears NW. and SE. Extends NW. 4 chs. dist. abutting against a steep slope, and SE. 5 chs. dist. to top of cliff.
61.73	Rim of bench, bears NE. and SW. Thence across nearly level bench.
69.13	Foot of slope, bears NE. and SW. Leave bench. Enter mountainous land. Asc. 63 ft. over SE. slope to
74.04	Rim of mesa, bears NE. and SW. Thence over nearly level grassy land, on mesa. No timber or undergrowth.
80.24	The cor. of secs. 29, 30, 31 and 32. Land, mountainous, rolling and nearly level. Soil, rocky, 4th rate. Timber, mesquite and catclaw. Undergrowth, cacti.
40.00	S. 89° 57' W., on random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
77.30	Intersect W. bdy. of the Tp. 16 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, 2 ins.

Survey: Subdivision lines: ^{Frac.} T. 16½ N., R. 9 W.

44

Chains	<p>in diam., projecting 20 ins. above ground, firmly set in ground and mound of stone, and marked on brass cap as described in the official record. No accessories.</p> <p>Thence</p> <p>N. 89° 50' E., on true line, bet. secs. 30 and 31.</p> <p>Over nearly level grassy land on mesa, thru very scattering timber and undergrowth.</p> <p>31.30 West end of barbed wire fence (4 wire) bears South, 7 chs. dist. at rim of mesa.</p> <p>37.30 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼ $\frac{S\ 30}{S\ 31}$</p> <p style="text-align: center;">1938</p> <p>No bearing trees available.</p> <p>Continue over nearly level grassy land, on mesa, thru very scattering timber and undergrowth.</p> <p>77.30 The cor. of secs. 29, 30, 31 and 32.</p> <p>Land, nearly level. Soil, rocky, 4th rate. Timber, mesquite and catclaw. Undergrowth, oakbrush and cacti.</p>
	<p>N. 0° 03' W., bet. secs. 29 and 30.</p> <p>Over nearly level grassy land, on mesa, thru very scattering timber and undergrowth.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap marked</p> <p style="text-align: center;">¼</p> <p style="text-align: center;">S30 S29</p> <p style="text-align: center;">1938</p> <p>No bearing trees available.</p> <p>Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Continue over nearly level, grassy land, on mesa, thru very scattering timber and undergrowth.</p> <p>76.00 Trail bears NW. and SE.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap marked</p> <p style="text-align: center;">T16½N R9W S19 S20 S30 S29</p> <p style="text-align: center;">1938</p>

Survey: Subdivision lines: ^{Frac.} T. 16½ N., R. 9 W.

45

Chains	
	<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. Soil, rocky, 4th rate. Timber, mesquite and catclaw. Undergrowth, cacti.</p>
	<p>N. 89° 46' E., on random line, bet. secs. 20 and 29.</p>
40.00	Set temp. ¼ sec. cor.
80.22	Intersect N. and S. line 2 lks. N. of the cor. of secs. 20, 21, 28 and 29.
	<p>Thence</p> <p>S. 89° 47' W., on true line, bet. secs. 20 and 29.</p> <p>Over nearly level grassy land, on mesa, thru very scattering timber and undergrowth.</p>
7.60	Rim of mesa, bears N. and S. Leave mesa and enter mountainous land. Desc. 145 ft. over W. slope.
16.00	Wash, 20 lks. wide, course S., in bottom of ravine. Asc. 139 ft. over E. slope.
27.44	Rim of mesa, bears N. and S. Leave mountainous and enter nearly level grassy land, on mesa. Very scattering timber and undergrowth.
40.11	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 20}{S \ 29}$ <p>1938</p>
	<p>No bearing trees available.</p> <p>Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p> <p>Continué over nearly level grassy land, on mesa, thru very scattering timber and undergrowth.</p>
80.22	The cor. of secs. 19, 20, 29 and 30.
	<p>Land, nearly level and mountainous. Soil, rocky, 4th rate. Timber, mesquite. Undergrowth, cacti.</p>
	<p>S. 89° 50' W., on random line, bet. secs. 19 and 30.</p>
40.00	Set temp. ¼ sec. cor.
77.24	Intersect the W. bdy. of the Tp. 7 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 2 ins. in diam., projecting 8 ins. above ground, firmly set, marked on brass cap as described in the official record, and witnessed by a mound of stone W. No bearing trees.
	<p>Thence</p>

Survey: Subdivision lines: ^{Frac.} T. 16 $\frac{1}{2}$ N., R. 9 W.

46

Chains	
	N. 89° 47' E., on true line, bet. secs. 19 and 30.
	Over mountainous land, thru very scattering timber and undergrowth.
	Desc. slightly over N. slope.
0.80	Spur slopes E. from SW. Desc. gradually along top of spur.
10.22	Point of same spur. Desc. 151 ft. over steep E. slope.
17.24	Spencer Creek, 100 lks. wide, course SW., containing pools of water. Asc. 316 ft. over NW. slope to
37.24	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 19}{S\ 30}$ 1938
	No bearing trees available.
	Asc: 158 ft. over NW. slope.
45.20	Corral bears N. about 22 chs. dist:
47.24	Rim of mesa, bears NE. and SW. Leave mountainous land. Thence over nearly level grassy land on mesa, thru very scattering timber and undergrowth.
72.20	Trail, bears NW. and SE.
77.24	The cor. of secs. 19, 20, 29 and 30. Land, mountainous and nearly level. Soil, rocky, 4th rate. Timber, mesquite. Undergrowth, cacti.
	N: 0° 03' W., bet. secs. 19 and 20.
	Over nearly level grassy land, on mesa, thru very scattering timber and undergrowth.
15.00	Rim of mesa, bears NE. and SW. Leave mesa and enter rolling land. Desc. 60 ft. over gradual NW. slope.
26.56	Rim of canyon, bears NE. and SW. Enter mountainous land. Desc. 205 ft. over steep NW. slope.
36.00	Spencer Creek, 40 lks. wide; course SW. in bottom of canyon, dry except for a few shallow pools of water. Asc. 132 ft. over steep SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., over a cross (X) chiseled on exposed bedrock, and in a mound of stone to top; for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S19 S20 1938

Survey: Subdivision lines: ^{Frac.} T. 16 $\frac{1}{2}$ N., R. 9 W.

Chains

No bearing trees available.

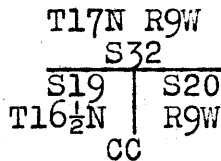
43.77 Asc. 84 ft. over steep SW. slope to Point of spur, slopes SW. Thence along W. slope from spur. Desc. 20 ft. to

48.16 Asc. 42 ft. over W. slope.

62.84 Desc. 65 ft. over NW. slope to

68.50 Intersect the North bdy. of the Tp. (4th Standard Parallel North).

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for closing cor. of secs. 19 and 20, with brass cap marked



1938

No bearing trees available.

From the point of intersection the std. $\frac{1}{4}$ sec. cor. of sec. 32, Frac. T. 17 N., R. 9 W. bears West, 16.32 chs. dist., and from same point the std. cor. of secs. 32 and 33, Frac. T. 17 N., R. 9 W., bears East, 23.68 chs. dist. Both cors. hereinbefore described.

Land, nearly level and mountainous.

Soil, rocky, 4th rate.

Timber, mesquite and catclaw.

Undergrowth, cacti.

GENERAL DESCRIPTION.

This Frac. Tp. situated about 10 miles southwesterly from the head of Burro Creek, contains nearly every kind of surface, ranging from level to extremely mountainous. The elevation ranges approximately from 4500 to 5500 ft. above sea level. Burro Creek crosses the Tp. in a southwesterly direction, entering near the NE. cor. of sec. 22 and leaving on the E $\frac{1}{2}$ of S. bdy. of sec. 32. This watercourse, with its tributary creeks, washes, gulches, ravines and draws, drains the entire township. The principal tributaries of Burro Creek within this township are Conger Creek, Ora Hannah Canyon, and Spencer Creek. Tributary to Conger Creek is Cypress Creek entering same in SW $\frac{1}{4}$ of sec. 36. Little Cypress Creek enters Cypress Creek in the NE $\frac{1}{4}$ of sec. 36. Spencer Creek crosses secs. 20, 19 and 30, southwesterly, leaves the Tp. and enters Francis Creek in NW $\frac{1}{4}$ of Sec. 1, T. 16 N., R. 10 W., which creek has a southeasterly course, entering Burro Creek near the center of sec. 7, T. 16 N., R. 9 W. Conger Creek, with a westerly course, enters the Tp. on the S $\frac{1}{2}$ of E. bdy. of sec. 36, crosses secs. 36, 35, 34 and 33, successively, and enters Burro Creek at a point on the S $\frac{1}{2}$ of line bet. secs. 32 and 33. Ora Hannah Canyon, course westerly, heads in sec. 25, crosses secs. 26 and 27, and enters Burro Creek in the E $\frac{1}{2}$ of sec. 28. All of these watercourses are in the bottoms of canyons, and none of them

carry a permanent stream of water, but at the time of this survey there were intermittent pools of water along the beds of all of them, indicating periodical flow, and the nature of the surface offers good water storage possibilities. No springs were observed in the Tp. during the survey.

A small portion of Bogart Mesa is located in the southern parts of secs. 33, 34 and 35, south of Conger Creek. This mesa has quite an extensive area covering a large part of T. 16 N., R. 9 W. Shirt Tail Mesa; about $1\frac{1}{2}$ miles long and 10 chs. wide, bears E. and W. between Conger Creek and Ora Hannah Canyon. Except for the tops of these mesas, and narrow strips of land along the bottoms of the canyons, where the surface is nearly level and gently rolling, the surface of the portion of this township situated east of Burro Creek is mountainous and broken. The greater part of the area of the township west of Burro Creek consists of mesas and benches, the tops of which are level, nearly level, and gently rolling. The mountainous land in this part of the township is in sec. 19 and on the slopes from said mesas and benches.

The soil over most of the township is rocky, 4th rate. In the northern parts of secs. 20 and 21 there is some gravelly clay soil, 2nd and 3rd rates, and in the bottom of Burro Creek Canyon, some small areas of sandy soil 1st rate.

To the east of Burro Creek, timber consists mainly of pinyon and juniper, in a scattering growth, except in parts of secs. 23, 24, 25 and 26, where some varieties are dense. To the west of Burro Creek, the timber consists mainly of mesquite and catclaw, in a very scattering growth, and large areas on tops of the mesas and benches are devoid of timber entirely. Along the principal watercourses there is a scattering growth of sycamore and oak timber. Very little of the timber is of commercial value except for fence posts or fuel.

Many varieties of undergrowth are prevalent over the Tp. including, oakbrush, laurel, manzanita, catclaw and cacti. Along the E. bdy. of the Tp. and in parts of secs. 25, 26, 35 and 36, the undergrowth is dense. Along the N. bdy. and over most of the area east of Burro Creek, the undergrowth is scattering. Over the mesas and benches west of Burro Creek the undergrowth is very scattering and in many parts of same there is no undergrowth. A heavy growth of grass is prevalent over all of the mesas and benches in this part of the Tp.

There are two settlers now located in the township, both in Burro Creek Canyon, Loveless in $SE\frac{1}{4}$ of sec. 28 on the E. side of the creek, and Wooten in $NW\frac{1}{4}$ of sec. 33, on the W. side of the creek. Each of these settlers has improvements consisting of log house, barn, and small tract of cultivated pasture enclosed with barbed wire fence. These improvements are the only ones in the Tp. except a corral on Spencer Creek in sec. 19, and several lines of barbed wire range fencing constructed between mesa rims and located in secs. 21, 22 and 31.

There are no approved mineral surveys in the township, and no evidence of valuable mineral deposits was observed during the survey.

The land in this township is of fair value for grazing, and it is now being used for this purpose, exclusively.

There are no roads in this township. A trail extends southwesterly along Burro Creek from the Loveless Ranch to the Wooten Ranch, thence continuing down said creek and southerly to road extending southeasterly to Hillside, Arizona. Another trail extends northwesterly from the Loveless Ranch to the corral in sec. 19, and extending westerly therefrom into Frac. T. 16 N., R. 10 W. Another trail crosses the northern part of sec. 24.

The nearest post office is Camp Wood, in N. $\frac{1}{2}$ of sec. 3, T. 16 N., R. 6 W. about 16 miles easterly, reached by rough trails and roads, over which travel is difficult.

FINAL FIELD TESTS OF INSTRUMENTS.

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

The continued satisfactory adjustment of the solar apparatus of Buff and Buff transit No. 10125 throughout the surveys described in the foregoing field notes is indicated by the preliminary tests of same on January 28, 1938, described in the field notes of survey of Frac. T. 17 N., R. 9 W., executed under this group.

Young and Sons transit No. 8544.
Armand F. Allard, Public Land Surveyor.

January 21, 1938; at camp in NE $\frac{1}{4}$ of sec. 19, Frac. T. 16 $\frac{1}{2}$ N., R. 9 W., G. & S.R. Meridian, Arizona, latitude $34^{\circ}48'06''$ N., longitude $113^{\circ}14'12''$ W., examine the adjustments of Young and Sons transit No. 8544 and find no errors; then, to test the solar apparatus of same by comparing its indications with a true meridian established by Polaris observation, proceed as follows:

at 8h. 35.5m., p.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 recording the horizontal angles thus determined by reference to a flag set about 10 chs. N. Watch reads correct 105th meridian time by comparison with a Western Union Telegraph Co. clock.

Mean watch time of observations	9h. 08.5m. p.m.
Watch fast of l.m.t.	33.0m.
Mean horizontal angle from Polaris E. to reference point	$0^{\circ} 19' 48''$
Azimuth of Polaris W.	$0^{\circ} 52' 48''$
True bearing of reference point	N. $0^{\circ} 33' 00''$ W.

Jan. 28, 1938, at same station, at 8h. 00m., a.m., app.t., set off $34^{\circ}48'N.$ on the latitude arc; $18^{\circ}12'S.$ 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 $18^{\circ}11'S.$ on the declination arc, which agrees with the computed declination of the sun.

at 4h. 00m., p.m., app.t., with the latitude arc unchanged; set off $18^{\circ}07'S.$ on the declination arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date and has remained in such condition throughout the surveys executed with same which are described in the foregoing field notes.

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BOOK 4207

CERTIFICATE OF SURVEYOR

I, Armand F. Allard, Public Land Surveyor, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} special instructions bearing date of the 28th day of October, 1937 received from the district cadastral engineer for Arizona, with assignment instructions dated November 8, 1937, I have surveyed part of North boundary and part of Subdivision lines of

Fractional Township No. 16 1/2 North, Range No. 9 West and retraced the 4th Standard Parallel North thru part of Range 9 West

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 surveys and retracement

have 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.

Cheyenne, Wyo.
April 1, 1940

Armand F. Allard
Public Land Surveyor

CERTIFICATE OF APPROVAL

~~OFFICE OF 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.

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.

Supervisor of Surveys.

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2007 1257

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Norville E. Shearer, Public Land Surveyor, HEREBY CERTIFY upon honor that, in
 supplemental
 pursuance of special instructions bearing date of the 28th day of October 1937,
 received from the district cadastral engineer for Arizona, with assignment
 instructions dated November 8, 1937, I have surveyed the East boundary, part of
North boundary and part of Subdivision lines of
Fractional Township No. 16½ North, Range No. 9 West
 and retraced part of West bdy. of T.16 N., R.8 W., and the 4th Standard
 Parallel North thru parts of Ranges 8 and 9 West
 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
 surveys and retracements
 have 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 24, 1939

Norville E. Shearer
 Public Land Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF the SUPERVISOR OF SURVEYS,
 Denver, Colo., APR 30 1940, 1940

The foregoing field notes of the survey of East boundary, North boundary and
Subdivision lines of
Fractional Township No. 16½ North, Range No. 9 West;
and of the retracement of part of the West bdy. of T.16 N., R.8 W., and the
4th Standard Parallel North thru parts of Ranges 8 and 9 West
of the Gila & Salt River Meridian, in the State of Arizona
 executed by Norville E. Shearer and Armand F. Allard, Public Land Surveyors
 supplemental
 under special instructions dated October 28, 1937, Gp. 220, Arizona, and assignment
 instructions dated November 8, 1937, having been critically examined, and
 the necessary corrections made prior to their certification by the engineer, the said field notes, and the surveys
 and retracements
 therein described, are hereby approved.

Frank A. 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.