

FIELD NOTES

OF THE SURVEY OF THE

4th Standard Parallel North

thru Ranges 8, 9 and 9½ West

East Boundary

West Boundary

and

Subdivision Lines of

Fractional Township 16½ North, Range 10 West

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William E. Hiester U.S. Surveyor

and

Charles E. Hunter U.S. Transitman

In the capacity of U. S. Surveyor, under Special Instructions dated June 24, 1929, issued by the District Cadastral Engineer to govern surveys included in Group No. 159 Arizona, which were approved by the Commissioner of the General Land Office, July 10, 1929, and Assignment Instructions dated January 2, 1930.

Survey commenced February 10, 1930

Survey completed April 23, 1930

3901

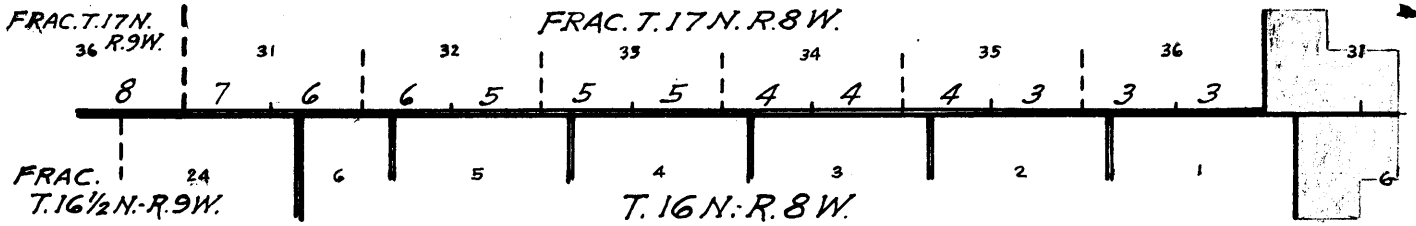
3901

1A

Book "C"

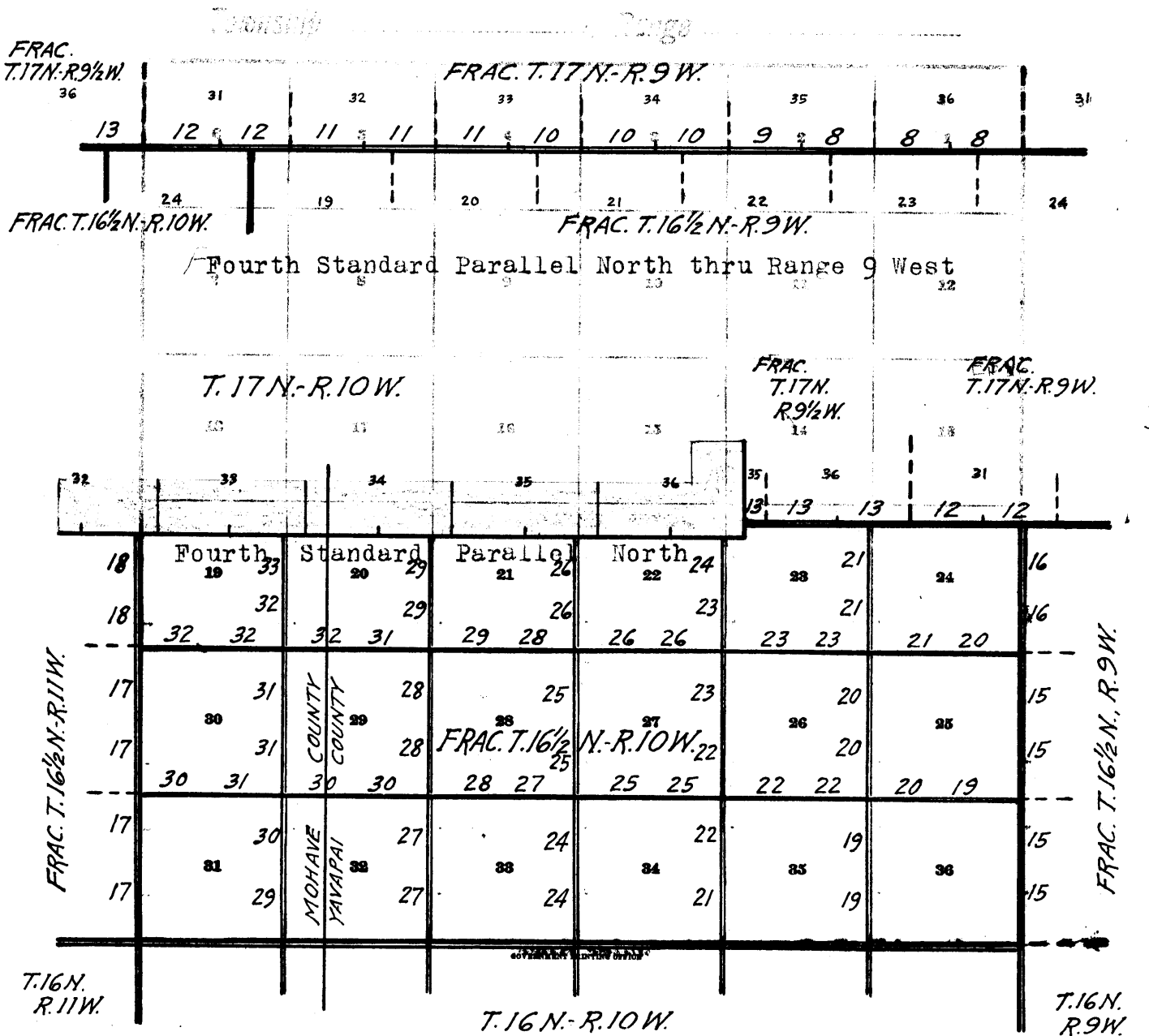
Group 159- Arizona




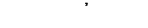

BOOK 3901



Fourth Standard Parallel North thru Range 8 West

INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Accepted surveys.
-  Mohave-Yavapai County Boundary.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

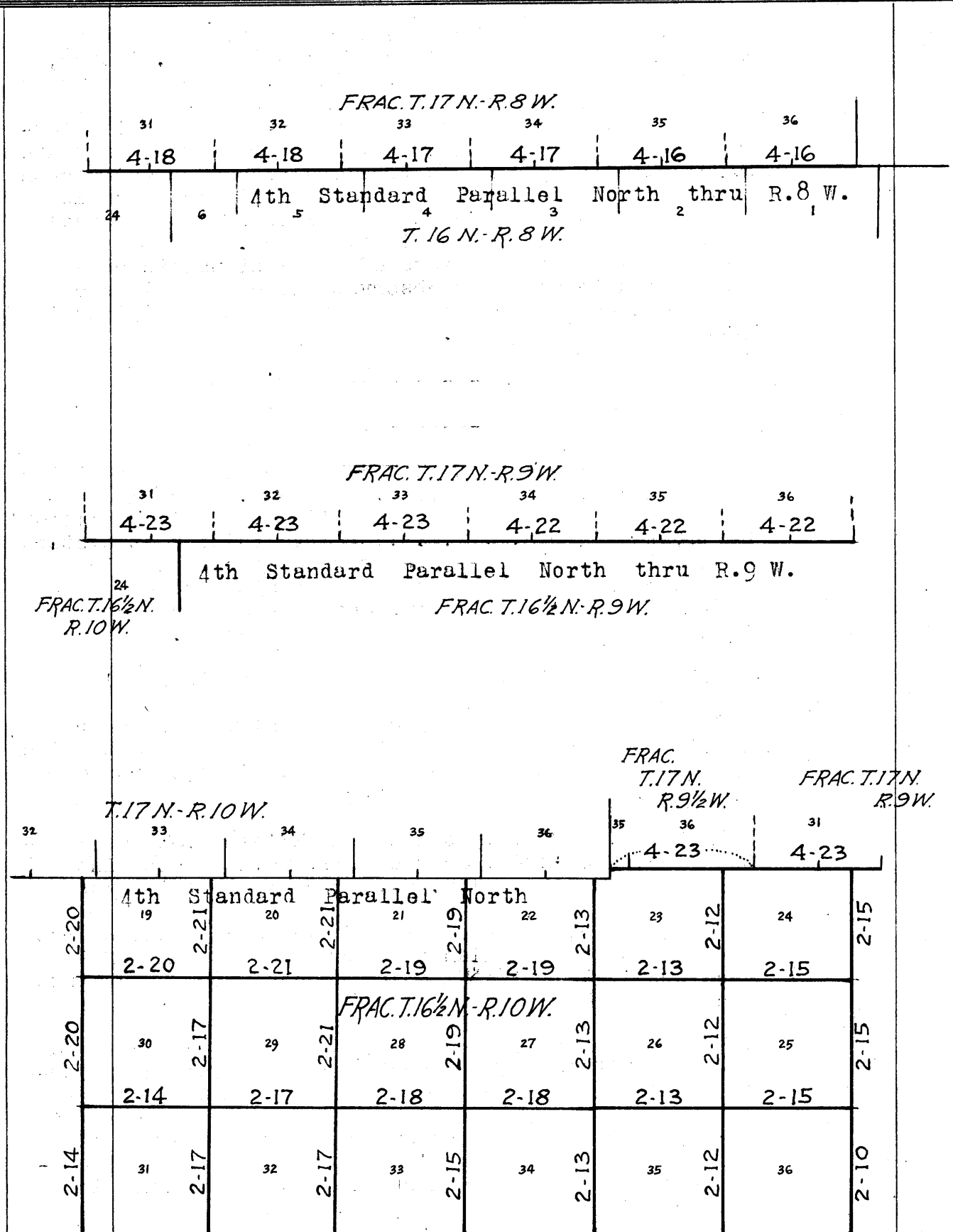
DATE DIAGRAM

(1930)

Book "C" Group 159- Arizona

BOOK 3901

1B



FRAC. T. 16 1/2 N. R. 10 W.

T. 17 N. - R. 10 W.

FRAC. T. 17 N. R. 9 1/2 W.

FRAC. T. 17 N. R. 9 W.

See Book "B" for dates of survey of this line

Surveyed by Wm. E. Hiestler, U.S. Surveyor under this group, on dates (1930) shown thereon. Notes herein.

Surveyed by Chas. E. Hunter, U.S. Transitman under this group, on dates (1930) shown thereon. Notes herein.

Surveyed under this group. Date diagrams & notes in other books.

Accepted surveys.

The surveys herein described were executed on dates shown on diagram page 1 hereof, by William E. Hiester, U.S. Surveyor and Charles E. Hunter U.S. Transitman, using respectively, Buff Transit No. 19423 and Young & Sons Transit No. 8584; the instruments are equipped with improved Smith solar attachment. The horizontal limbs are provided with two double verniers, placed opposite each other and reading to single minutes of arc, which is also the least count of the verniers of the vertical circles, latitude and declination arcs.

For preliminary field tests of the instruments on a meridian determined by observations on Polaris see the field notes for the exteriors and subdivisions in Book "B" of this group.

FINAL TEST OF BUFF TRANSIT NO. 19423

April, 23, 1930; on the 4th Standard Parallel North, at the standard cor. of Ts. 17 N., Rs. 8 and 9 W., G&SR Base & Meridian, Arizona, latitude $34^{\circ}48'12''$ N., longitude $113^{\circ}09'25''$ W., at 5h. 37m. a.m., l.m.t., observe Polaris at eastern elongation making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack driven in a peg set firmly in the ground 10 chs. N.

Azimuth of Polaris at eastern elongation is $1^{\circ}18'16''$

At 7h 30m a.m., app.t., lay off the azimuth of Polaris $1^{\circ}18\frac{1}{2}'$ to the west and mark the meridian thus determined by a tack driven in a peg, set firmly in the ground 10 chs. N.

At 8h. 00m a.m., app.t., set off $34^{\circ}48'$ N. on the latitude arc, $12^{\circ}26\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app.t., noon, with the latitude arc unchanged, observe the sun on the meridian, the resultant reading of the decl arc is $12^{\circ}29\frac{1}{2}'$ N., which agrees with the computed decl. of the sun.

At 3h. 00m. p.m., app.t., with the latitude arc unchanged set off $12^{\circ}32'$ N., on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all solar observations during the usual hours of solar work come within 1' of the true meridian, conclude that the instruments have been maintained in proper adjustment.

For final field test of instrument No. 8584, see the field notes for exteriors and subdivisions in Book "B" of this group.

Unless otherwise specified, all measurements are made with Lallie steel tapes, 5 chains in length, compared with a standard tape and found correct. The measurements are made on the slope, the vertical angles determined with clinometers, or transit, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Fourth Standard Parallel North, through Range 8 W.

The standard cor. of Ts. 17 N., Rs. 7 and 8 W., established in 1905 by A.B. Mader, U.S.D.S., is a malpais rock in place, part of a ledge of rock 8 x 6 x 14 ins. above ground, marked with a cross (X) with 6 grooves E. 6 grooves W. and SC N. of cross, witnessed by three properly marked bearing trees, one NE. and two NW. of cor. Thence,
 West on S. bdy. of sec. 36.
 Over rolling mesa land, through scattering timber and undergrowth.
 Asc. 39 ft. over gradual E. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for standard $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap marked

40.00

SC
 $\frac{1}{4}$ S36
 1930

from which

A cedar, 14 ins. diam., bears N. 81 $\frac{3}{4}$ ° E., 206 lks. dist., marked $\frac{1}{4}$ S36 SC BT.
 A cedar, 9 ins. diam., bears North., 237 lks. dist., marked $\frac{1}{4}$ S36 SC BT.
 Desc. 74 ft. over SW. slope.
 Head of draw, course SE.
 Drain 10 lks. wide, course S. asc. 18 ft. over gradual E. slope.
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for standard cor. of secs. 35 and 36, with brass cap marked

60.00
76.74
80.00

SC
 T17NR8W.
 S35 | S36
 1930

from which

A cedar, 24 ins. diam., bears N. 89° E., 304 lks. dist., marked T17N R8W S36 SC BT.
 A cedar, 8 ins. diam., bears N. 66 $\frac{1}{4}$ ° W., 228 lks. dist., marked T17N R8W S35 SC BT.
 Land, rolling.
 Soil, adobe and rocky; 3rd rate.
 Timber, scattering cedar and pinon.
 Undergrowth, scattering catclaw, yucca, cactus and grass.

West on S. bdy. of sec. 35.
 Over rolling mesa land, through scattering timber and undergrowth.
 Asc. 50 ft. over gradual E. slope.
 Spur, slopes S. 10° E.; desc. 181 ft. over W. slope.
 Wash, 10 lks. wide, course S. 20° E.; asc. 139 ft. over E. slope.
 Spur, slopes SE.; continue over SE. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor. of sec. 35, with brass cap marked.

10.60
30.81
38.50
40.00

SC
 $\frac{1}{4}$ S35
 1930

from which

4 Fourth Standard Parallel North, through Range 8 W.

Chains
 A pine, 8 ins. diam., bears N. $22\frac{3}{4}^{\circ}$ E., 15 lks. dist.,
 marked $\frac{1}{4}$ S35 SC BT.
 A pine, 7 ins. diam., bears N. $33\frac{1}{2}^{\circ}$ W., 31 lks. dist.,
 marked $\frac{1}{4}$ S35 SC BT.
 Desc. 80 ft. over NW. slope.
 65.90 Head of drain, 2 lks. wide, course N. 20° W.; asc. 43 ft. over
 NE. slope.
 70.60 Trail, bears SE. and NW.
 79.50 Ridge, bears SE. and NW.; desc. along SW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the
 ground for standard cor. of secs. 34 and 35, with brass
 cap marked

SC
 T17NR8W
 S34|S35

1930

from which

A cedar, 5 ins. diam., bears N. 34° E., 187 lks. dist.,
 marked BT only.
 A cedar, 6 ins. diam., bears N. $22\frac{1}{2}^{\circ}$ W., 173 lks. dist.,
 marked T17N R8W S34 SC BT.

Land, rolling.
 Soil adobe sandy and rocky; 2nd rate.
 Timber, scattering cedar, oak and pinyon.
 Undergrowth, scattering oak, catclaw, cactus and grass.

West on S. bdy. of sec. 34.
 Over rolling mesa land, through scattering timber and
 undergrowth.
 Desc. 120 ft. over gradual SW. slope.
 14.70 Head of drain, course S.; asc. 41 ft. over SE. slope.
 21.40 Spur, slopes S.; desc. 141 ft. over gradual SW. slope.
 33.74 End of spur, slopes S. 45° W.
 35.91 Head of wash, 10 lks. wide, course S.; asc. 103 ft. over SE.
 slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
 ground for standard $\frac{1}{4}$ sec. cor. of sec. 34, with brass
 cap marked.

SC
 $\frac{1}{4}$ S34

1930

from which

A cedar, 6 ins. diam., bears N. $79\frac{1}{2}^{\circ}$ W., 359 lks. dist.,
 marked $\frac{1}{4}$ S34 SC BT.
 A pinyon, 6 ins. diam., bears N. 89° W., 442 lks. dist.,
 marked $\frac{1}{4}$ S34 SC BT.

49.00 Spur, slopes S.; desc. 75 ft. over W. slope.
 53.08 Wash, 10 lks. wide, course S. 20° W.; asc. 186 ft. over SE.
 slope.
 61.78 Trail, bears N. and S.
 73.66 Spur, slopes S.; desc. 23 ft. over SW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground to bedrock, supported in a mound of stone for
 standard cor. of secs. 33 and 34, with brass cap marked

SC
 T17NR8W
 S33|S34

1930

from which

Fourth Standard Parallel North, through Range 8 W.

Chains A cedar, 24 ins. diam., bears N. 49 1/2° E., 358 lks. dist., marked T17N R8W S34 SC BT.
 A cedar, 24 ins. diam., bears N. 74 1/4° W., 92 lks. dist., marked T17N R8W S33 SC BT.

Land, rolling.
 Soil, adobe and rocky; 2nd and 3rd rate.
 Timber, scattering pinon, cedar, oak.
 Undergrowth, scattering, oak, cactus, yucca and grass.

West on S. bdy. of sec. 33.
 Over mountainous land, through scattering timber and undergrowth.
 Desc. 299 ft. over SW. slope.

17.30 Head of drain, course S. 70° W.
 22.60 Head of drain, course SW.; asc. 45 ft. over SE. slope.
 34.00 Spur in low saddle, slopes S. desc. 40 ft. over S. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, supported in a mound of stone, for standard 1/4 sec. cor. of sec. 33, with brass cap marked

SC
 1/4 S33
 1930

from which

A pinon pine, 10 ins. diam., bears N. 36 3/4° E., 40 lks. dist., marked 1/4 S33 SC BT.
 A pinon pine, 10 ins. diam., bears N. 34 1/2° W., 142 lks. dist., marked 1/4 S33 SC BT.

47.40 Low spur, slopes S. 20° W.; desc. 68 ft. over SW. slope.
 59.70 Drain, 5 lks. wide, course S. 70° E.; asc. 52 ft. over NE. slope.
 72.36 Same drain, course N. 80° E.; asc. 145 ft. over E. slope.
 79.80 Top of cliff, 50 ft. high, faces E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground for standard cor. of secs. 32 and 33, with brass cap marked

SC
 T17NR8W
 S32 | S33
 1930

from which

A pinon pine, 14 ins. diam., bears N. 45° E., 142 lks. dist., marked T17N R8W S33 SC BT.
 A pinon pine, 14 ins. diam., bears N. 26° W., 30 lks. dist., marked T17N R8W S32 SC BT.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering pinon, cedar and oak.
 Undergrowth, scattering scruboak, manzanita and grass.

West, on S. bdy. of sec. 32.
 Over mountainous land, through scattering timber and undergrowth.
 Asc. 100 ft. over rocky E. slope.

6.82 Divide, bears N. 10° E. and S15° W.; desc. 310 ft. over SW. slope.

Chains	
9.30	Leave divide, NW. and SE.; continue over SW. slope.
22.78	Ravine, course S. 20° W.; asc. 106 ft. over rocky SE. slope.
32.08	Short spur, slopes S.; desc. 62 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor. of sec. 32, with brass cap marked
	SC <u>$\frac{1}{4}$ S32</u>
	1930
	from which
	A pinon pine, 8 ins. diam., bears N. 75° E., 125 lks. dist., marked $\frac{1}{4}$ S32 SC BT.
	A pinon pine, 12 ins. diam., bears N. 34 $\frac{1}{2}$ ° W., 105 lks. dist., marked $\frac{1}{4}$ S32 SC BT.
	Asc. 121 ft. over SE. slope.
49.12	Spur, slopes S. 20° E.; desc. 76 ft. over W. slope.
57.00	Head of draw, 5 lks. wide, course S. 45° W.; asc. 55 ft. over SE. slope.
68.60	Spur, slopes S. 40° W.; desc. 226 ft. over broken W. slope.
79.42	Head of drain 5 lks. wide, course S. 20° W.; asc. 15 ft. over SE. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, supported in a mound of stone, for standard cor. of secs. 31 and 32, with brass cap marked
	SC T17NR8W <u>S31 S32</u>
	1930
	from which
	A pinon pine, 6 ins. diam., bears N. 68 $\frac{1}{4}$ ° E., 55 lks. dist., marked T17N R8W S32 SC BT.
	A pinon pine, 7 ins. diam., bears N. 80° W., 98 lks. dist., marked T17N R8W S31 SC BT.
	Land, mountainous. Soil, rocky; 3rd rate. Timber, scattering pinon, cedar and oak. Undergrowth, scattering, scruboak, manzanita and laurel.

	West on S. bdy. of sec. 31. Over mountainous land, through scattering timber and undergrowth.
9.24	Asc. 69 ft. over gradual SE. slope. Top of divide, bears NE. and S.; desc. 12 ft. over rolling land.
10.44	Trail, bears NE. and SW.
14.20	Divide, bears SE. and NW.; thence desc. 27 ft. along S. slope.
26.00	Leave divide, bears NE. and SW.; desc. 346 ft. over rocky W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, supported in a mound of stone, for standard $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap marked
	SC <u>$\frac{1}{4}$ S31</u>
	1930
	from which

Chains	A pinon pine, 6 ins. diam., bears N. 21 1/2° W., 131 lks. dist., marked 1/4 S31 SC BT.
	A pinon pine, 7 ins. diam., bears N. 86 1/4° W., 201 lks. dist., marked 1/4 S31 SC BT.
40.64	Gulch, 15 lks. wide, course N. 10° W.; asc. 44 ft. over NE. slope.
43.60	Low spur, slopes N.; desc. 128 ft. over NW. slope.
51.46	Same gulch, 20 lks. wide, course S. 45° W.; asc. 223 ft. over rocky SE. slope.
60.16	Point of rocky spur, slopes S.
63.70	Rocky gulch, course S.
70.38	Rocky point of spur, slopes S.
74.61	Top of rocky spur and cliff, 180 ft. high, slopes S.; desc. 279 ft. over rocky SW. slope.
80.00	The true point for standard cor. of Ts. 17 N., Rs. 8 and 9 W., falls on cliff, 50 ft. high, a place impracticable to set permanent mon.
80.30	Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for witness cor. to standard cor. of Ts. 17 N., Rs. 8 and 9 W., with brass cap marked

SC
T17N
R9W R8W
S36 | S31 WC

1930

No bearing trees available.
Mark a cross (X) B0 on SW. face of cliff, 50 ft. high, 4 ft. above ground, N. 80° E., 4 lks. dist., from cor.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, scattering pinon, cedar and oak.
Undergrowth, scattering manzanita, laurel scrub oak and grass.



Chains From the true point for standard cor. of Ts. 17 N., Rs. 8 and 9 W.
 West on the tangent, on S. bdy. of sec. 36.
 Over mountainous land, through scattering timber and undergrowth.
 0.30 Witness cor. to std. tp. cor., hereinbefore described.
 Asc. 13 ft. along rocky S. slope.
 6.28 Rocky spur, slopes S.; desc. 525 ft. over rocky W. slope.
 11.28 Trail, bears SE. and NW.
 20.21 Gulch, course NW.; asc. 130 ft. over rocky E. slope.
 24.21 End of rocky spur, slopes N. 30° E.; asc. 217 ft. over NE. slope.
 37.48 Spur, slopes S.; desc. 377 ft. over W. slope.
 Difference between measurements of 40.00 chs., by two sets of chainman, is 8 lks.; position of middle point
 By 1st set, 40.04 chs.
 By 2nd set, 39.96 chs.; the mean of which is
 40.00 N. $\frac{1}{2}$ lk. from the tangent.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor. of sec. 36, with brass cap marked

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

1930

from which

A pinon pine, 9 ins. diam., bears N. 3° E., 103 lks. dist., marked $\frac{1}{4}$ S36 SC BT.
 A pinon pine, 5 ins. diam., bears N. 50 $\frac{1}{4}$ ° W., 57 lks. dist., marked $\frac{1}{4}$ S36 SC BT.

55.66 Desc. 432 ft. over broken NW. slope.
 58.00 Ravine, course NW.; asc. 37 ft. over NE. slope.
 71.57 End of spur, slopes N.; desc. NW. slope.
 Gulch, 10 lks. wide, course N. 30° W.; continue descending over NW. slope.
 Difference between measurements of 80.00 chs. by two sets of chainman, is 2 lks.; position of middle point
 By 1st set 80.01
 By 2nd set 79.99 chs.; the mean point which is
 80.00 N. 1 lk. from the tangent.
 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for standard cor. of secs. 35 and 36, with brass cap marked

SC
 T17NR9W
 S35 | S36

1930

from which

A pinon pine, 6 ins. diam., bears N. 78 $\frac{1}{2}$ ° E., 37 lks. dist., marked T17N R9W S36 SC BT.
 A pinon pine, 5 ins. diam., bears N. 43 $\frac{1}{4}$ ° W., 23 lks. dist., marked T17N R9W S35 SC BT.

Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, scattering pinon, cedar and oak.
 Undergrowth, scattering manzanita, laurel and oak.

 West on the tangent, on S. bdy. of sec. 35.
 Over mountainous land, through scattering timber and undergrowth.

Chains
7.72
9.90
24.90
26.75
29.00

Desc. 266 ft. over rocky NW. slope.
Gulch, 10 lks. wide, course N. 40° W.
Enter Burro Creek Wash, course SW.
Burro Creek, 50 lks. wide, course S. 45° W.
Leave Burro Creek Wash, course SW.
Asc. 145 ft. over SE. slope.
Difference between measurements of 40.00 chs. by two sets of chainman is 0 lks.

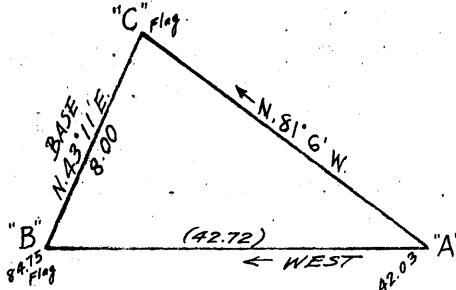
40.00

N. 2 lks. from the tangent.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for standard 1/4 sec. cor. of sec. 35, with brass cap marked

SC
1/4 S35
1930

42.03

No bearing trees available.
To make a triangulation over precipitous bluffs impracticable to chain; designate 42.03 ch. station as point "A"; set a flag "B" ahead on the tangent line at top of bluffs; vertical angle from "A" to "B" is +19 1/2°; from "B" measure a base C N. 43° 11' E., 8.00 chs. and set flag "C"; from point "A" the flag "C" bears N. 81° 6' W.; all bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. by direct meas. 42.03 chs.
Dist. by triangulation 42.72 "
84.75 chs.
Dist. by return meas 4.75 "
80.00 chs.

80.00

N. 3 lks. from the tangent.
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for standard cor. of secs. 34 and 35, with brass cap marked

SC
T17NR9W
S34 S35
1930

No bearing trees available.
Land, mountainous.
Soil, rocky; 3 rd rate.
Timber, scattering cedar, pinon, sycamore and oak.
Undergrowth, scattering catclaw, oak, manzanita, laurel, palo cristi and grass.

Chains West on the tangent, on S. bdy. of sec. 34.
Over rolling mesa land, through scattering undergrowth.
Asc. 139 ft. over SE. slope.
4.75 Rim of mesa, bears SE. and NE.; thence over rolling land.
Desc. 68 ft. over gradual W. slope.
Difference between measurements of 40.00 chs. by two sets
of chainman is 0 lks.
40.00 N. 4 lks. from the tangent.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground for standard $\frac{1}{4}$ sec. cor. of sec. 34, with brass
cap marked

SC
 $\frac{1}{4}$ S34

1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high N. of cor.
Desc. 119 ft. over gradual W. slope.
45.50 Rim of mesa, bears NE. and SW.
51.45 Wash, 15 lks. wide, course SW.; asc. 97 ft. over rocky SE.
slope.
65.96 Rocky point of spur, slopes S.; desc. 295 ft. over steep
rocky W. slope.
74.31 Rocky Canyon, 30 lks. wide, course S. 15° E.; asc. 219 ft. over
steep rocky SE. slope.
Difference between measurements of 80.00 chs. by two sets
of chainman is 5 lks.; position of middle point
By 1st set, 80.02 $\frac{1}{2}$ chs.
By 2nd set, 79.97 $\frac{1}{2}$ chs.; the mean of which is
80.00 N. 6 lks. from the tangent.
Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the
ground to bedrock, supported in a mound of stone, for
standard cor. of secs. 33 and 34, with brass cap marked

SC
T17NR9W
S33 | S34

1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
Land, rolling.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering, cactus, catclaw and grass.

West on the tangent, on S. bdy. of sec. 33.
Over rolling mesa land, through scattering undergrowth.
Asc. 91 ft. over E. slope.
2.43 Rim of mesa, bears N. and S.; thence over rolling land.
5.43 Rim of mesa, bears SE. and NW.; desc. 158 ft. over SW. slope.
10.95 Gulch, 40 lks. wide, course S. 30° E.; asc. 148 ft. over E. slope.
15.30 Rim of mesa, bears N. and S.
Difference between measurements of 40.00 chs. by two sets
of chainman is 0 lks.
40.00 N. 8 lks. from the tangent.
Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
ground for standard $\frac{1}{4}$ sec. cor. of sec. 33, with brass
cap marked

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

1930

Chains
 75.00 No bearing trees available.
 Raise a mound of stone 4 ft. base, 2½ ft. high N. of cor.
 Asc. 18 ft. over gradual E. slope.
 Low spur, slopes S.; desc. 50 ft. over gradual W. slope.
 Difference between measurements of 80.00 chs. by two sets
 of chainman is ¼ lks.; position of middle point
 By 1st set 79.98 chs.
 By 2nd set 80.02 chs.; the mean of which is
 80.00 N. 11 lks. from the tangent.
 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone, for
 standard cor. of secs. 32 and 33, with brass cap marked

SC
 T17NR9W
 S32 | S33

1930

No bearing trees available.
 Land, rolling.
 Soil, adobe; 2nd rate.
 Timber, none.
 Undergrowth, scattering catclaw, yucca and cactus.

6.95 West on the tangent on S. bdy. of sec. 32.
 Over mountainous land, through scattering undergrowth.
 Desc. 247 ft. over steep W. slope.
 Bottom of canyon, 40 lks. wide, course S. 30°W.; asc. 228 ft.
 over SE. slope.
 14.70 Spur, slopes S. 20°W.; desc. 181 ft. over NW. slope.
 24.34 Draw, 10 lks. wide, course S. 45°W.; asc. 149 ft. over SE. slope.
 30.04 Draw, 10 lks. wide, course S. 20°E.
 39.50 Spur, slopes S.
 Difference between measurements of 40.00 chs. by two sets
 of chainman is 5 lks.; position of middle point
 By 1st set 39.97½ chs.
 by 2nd set 40.02½ chs.; the mean of which is
 40.00 N. 14 lks. from the tangent.
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone for
 standard ¼ sec. cor. of sec. 32, with brass cap marked

SC
 ¼ S32

1930

42.00 No bearing trees available.
 Thence along S. slope of spur.
 58.40 Spur, slopes S. 45°W.; desc. 346 ft. over broken W. slope.
 Rocky wash, 30 lks. wide, course S. 30°W.; asc. 388 ft. over
 E. slope.
 76.00 Spur, slopes S. 10°W.; desc. 126 ft. over W. slope.
 Difference between measurements of 80.00 chs. by two sets
 of chainman is 5 lks.; position of middle point
 By 1st set 79.97½ chs.
 By 2nd set 80.02½ chs.; the mean of which is
 80.00 N. 17½ lks. from the tangent.
 Set an iron post, 3 ft. long, 2 ins. diam., on solid rock,
 deposit a stone marked with a cross (X) at base of
 post, supported in a mound of stone, for standard cor.
 of secs. 31 and 32, with brass cap marked

SC
 T17NR9W
 S31 | S32

1930

Chains	<p>No bearing trees available. Land, mountainous. Soil, rocky; 3rd rate. Timber, none. Undergrowth, scattering catclaw, yucca, cactus and grass.</p> <p>-----</p> <p>West on the tangent, on S. bdy. of sec. 31. Over mountainous land, through scattering undergrowth. Desc. 195 ft. over W. slope. 8.16 Wash, 15 lks. wide, course S. 9.60 End of spur, slopes S. 30°W.; asc. 75 ft. over E. slope. 17.25 Spur, slopes S. 45°W.; continue ascending 361 ft. over SE. slope.</p> <p>Difference between measurements of 40.00 chs. by two sets of chainman is 3 lks.; position of middle point By 1st set 40.01½ chs. By 2nd set 39.98½ chs.; the mean of which is 40.00 N. 21 lks. from the tangent. Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for standard ¼ sec. cor. of sec. 31, with brass cap marked</p> <p style="text-align: center;">SC <u>¼S31</u> 1930</p> <p>No bearing trees available. Asc. 73 ft. over SE. slope. 49.60 Spur, slopes S.; desc. 305 ft. over steep W. slope. 69.28 Wash, 20 lks. wide, course S. 30°W.; asc. 249 ft. over E. slope. Difference between measurements of 80.00 chs. by two sets of chainman is 2 lks.; position of middle point By 1st set 79.99 chs. By 2nd set 80.01 chs.; the mean of which is 80.00 N. 25 lks. from the tangent. Set an iron post, 3 ft. long, 3 ins. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for standard cor. of Ts. 17 N., Rs. 9 and 9½ W., with brass cap marked</p> <p style="text-align: center;">SC T17N R9½W R9W <u>S36 S31</u> 1930</p> <p>No bearing trees available. Land, mountainous. Soil, rocky, 3rd rate. Timber, none. Undergrowth, scattering catclaw, cactus and yucca.</p> <p>-----</p>
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Fourth Standard Parallel North, through Range 9 1/2 W.

Chains From the standard cor. of Ts. 17 N., Rs. 9 and 9 1/2 W.
 West on the tangent, on S. bdy. of sec. 36.
 Over mountainous land through scattering undergrowth.
 Asc. 216 ft. over steep rocky E. slope.
 16.25 Spur ridge, bears N. and S.; desc. 282 ft. over W. slope.
 30.75 Draw, course S. 10° W.; asc. 52 ft. over SE. slope.
 Difference between measurements of 40.00 chs. by two sets
 of chainman is 7 lks.; position of middle point
 By 1st set 39.96 1/2 chs.
 By 2nd set 40.03 1/2 chs.; the mean of which is
 40.00 N. 1/2 lk. from the tangent.
 Set an iron post, 3 ft. long, 1 in. diam., on solid rock,
 deposit a stone marked with a cross (X) at base of
 post, supported in a mound of stone for standard 1/4 sec.
 cor. of sec. 36, with brass cap marked

SC
 1/4 S36

1930

No bearing trees available.
 41.00 End of spur, slopes S.; desc. 170 ft. over SW. slope.
 58.90 Head of shallow drain, course S. 15° W.; asc. 29 ft. over
 gradual SE. slope.
 63.80 Spur, slopes S.; desc. 16 ft. over gradual SW. slope.
 68.40 Wash, 10 lks. wide, course S. 30° E.; asc. 39 ft. over E. slope.
 75.15 Spur, slopes S.; desc. 12 ft. over SW. slope.
 Difference between measurements of 80.00 chs. by two sets
 of chainman is 0 lks.
 80.00 N. 1 lk. from the tangent.
 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone for
 standard cor. of secs. 35 and 36, with brass cap marked

SC
 T17NR9 1/2 W
 S35 | S36

1930

No bearing trees available.
 Land, mountainous.
 Soil, sandy and rocky; 3rd rate.
 Timber, none.
 Undergrowth, scattering catclaw, yucca and cactus.

 West on the tangent on S. bdy. of sec. 35.
 Over mountainous land, through scattering undergrowth.
 Desc. 80 ft. over SW. slope.
 10.58 Wash, 20 lks. wide, course S.; asc. 5 ft. over E. slope.
 Difference between measurements of 11.81 chs. by two sets
 of chainman is 0 lks.
 11.81 N. 1 1/4 lks. from the tangent.
 Intersect the E. bdy. of sec. 36 of T. 17 N., R. 10 W., at a
 point 6.38 chs. N. from the standard cor. of T. 17 N.,
 Rs. 9 and 10 W., which is an iron post, 3 ins. diam.,
 projecting 24 ins. above ground, properly marked, suppor-
 ted in a mound of stone.
 This cor. now refers to standard cor. of T. 17 N., R. 10 W.,
 only, alter the marks on brass cap to read as follows:

14

Fourth Standard Parallel North, through Range $9\frac{1}{2}$ W.

Chains

SC	
T17N	
R10W	T16 $\frac{1}{2}$ N
S36	R10W

S23
1926

At point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground to bedrock, supported in a mound of stone for standard closing cor. of sec. 35, Frac. T.17 N., R. $9\frac{1}{2}$ W., with brass cap marked

SC	
T17N	
R9 $\frac{1}{2}$ W	
S35	CC

1930

No bearing trees available.
 Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, NE. of cor.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, none.
 Undergrowth, scattering catclaw, yucca and cactus.

Survey of the East Bdy. of Fractional T.16 $\frac{1}{2}$ N., R.10 W.

Chains	From the cor. of Ts. 16 and 16 $\frac{1}{2}$ N., Rs. 9 and 10 W., described in Book "B"
	North, bet. secs. 31 and 36.
14.90	Over rolling mesa land, through scattering undergrowth.
30.90	Head of wash, course E.; asc. 65 ft. over gradual SE. slope.
40.00	Small spur, slopes E.; desc. 37 ft. over NE. slope.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap marked
	$\frac{1}{4}$ S36 S31
	1930
	No bearing trees available.
	Thence along E. slope.
44.40	Wash, 8 lks. wide, course SE.; asc. 272 ft. over S. slope.
55.00	Top of rimrocks, 20 ft. high, bears E. and W.; thence over mesa land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 25, 30, 31 and 36, with brass cap marked
	T16 $\frac{1}{2}$ N R10W R9W S25 S30 S36 S31 1930
	No bearing trees available.
	Land, rolling mesa.
	Soil, adobe and rocky 2nd and 3rd rate.
	Timber, none.
	Undergrowth, scattering catclaw, cactus, yucca and grass.

	North, bet. secs. 25 and 30.
10.50	Over rolling mesa land, through scattering undergrowth.
23.50	Rim of mesa, bears NE. and SW.; desc. 262 ft. over steep rocky NW. slope.
40.00	Rim of cliffs, 60 ft. high, bears NE. and SW.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 25 and 30, with brass cap marked
	$\frac{1}{4}$ S25 S30
	1930
	No bearing trees available.
	Thence along W. slope.
48.00	Spencer Creek wash, 35 lks. wide, course SW.; (water in pools)
70.80	Asc. 37 $\frac{1}{4}$ ft. over SE. slope.
78.60	Rim of cliffs, 30 ft. high, bears NE. and SW.; thence over rolling land.; asc. 34 ft.
80.00	Spur, slopes NE.
	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground for cor. of secs. 19, 24, 25 and 30, with brass cap marked

Survey of the West Bdy. of Fractional T.16 $\frac{1}{2}$ N., R.10 W.

<p>Chains</p> <p>22.90</p> <p>26.65</p> <p>40.00</p>	<p>From the cor. of Ts. 16 and 16$\frac{1}{2}$ N., Rs. 10 and 11 W., described in Book "A" of this group.</p> <p>North bet. secs. 31 and 36.</p> <p>Over rolling mesa land, through scattering undergrowth.</p> <p>Draw, course NE.</p> <p>Trail, bears NE. and SW.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap marked</p>
	<p style="text-align: center;"> </p>
<p>64.80</p> <p>71.20</p> <p>80.00</p>	<p>No bearing trees available.</p> <p>Rim of mesa, bears E. and W.; desc. 397 ft. over N. slope.</p> <p>Gulch, course E.; asc. 257 ft. over S. slope.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, supported in a mound of stone for cor. of secs. 25, 30, 31 and 36, with brass cap marked</p>
	<p style="text-align: center;"> </p>
	<p>No bearing trees available.</p> <p>Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor. Land, rolling.</p> <p>Soil, rocky; 3rd rate.</p> <p>Timber, none.</p> <p>Undergrowth, scattering scruboak, catclaw, cactus and grass.</p>
<p>5.00</p> <p>27.50</p> <p>40.00</p>	<p>North bet. secs. 25 and 30.</p> <p>Over rolling mesa land, through dense undergrowth.</p> <p>Desc. 107 ft. over gradual NE. slope.</p> <p>Wash, 10 lks. wide, course NE.; continue descending.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 25 and 30, with brass cap marked</p>
	<p style="text-align: center;"> </p>
<p>64.50</p> <p>75.00</p> <p>80.00</p>	<p>No bearing trees available.</p> <p>Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor. Desc. 110 ft. over NE. slope.</p> <p>Rocky wash, 50 lks. wide, course NE.; asc. 22 ft. over SE. slope.</p> <p>Desc. 11 ft. over gradual NW. slope.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 19, 24, 25 and 30, with brass cap marked</p>
	<p style="text-align: center;"> </p>
	<p>No bearing trees available.</p> <p>Land, rolling.</p> <p>Soil, sandy and rocky; 3rd rate.</p> <p>Timber, none.</p> <p>Undergrowth, scattering catclaw, cactus, yucca and grass.</p>

Survey of the West Bdy. of T.16 $\frac{1}{2}$ N., R.10 W.

Chains North, bet. secs. 19 and 24.
Over rolling land, through scattering undergrowth.
Desc. 89 ft. over NW. slope.

12.42 Ravine, course NE.; asc. 69 ft. over SE. slope.

13.36 Trail, bears NE. and SW.

22.30 Point of spur, slopes E.; desc. 35 ft. over NE. slope.

31.30 Trail, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 19 and 24, with brass cap marked

$\frac{1}{4}$
S24 | S19
1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
Desc. 25 $\frac{1}{4}$ ft. over NE. slope.

52.86 Head of gulch, course E.

56.08 Wash, 40 lks. wide, course NE.; asc. 50 ft. over SW. slope.

62.76 Intersect the Fourth Standard Parallel North, at a point 2.37 chs. dist., W. of the witness cor. to standard cor. of secs. 32 and 33 of T.17 N., R.10 W., which is an iron post, 2 ins. diam., firmly set, properly marked, projecting 16 ins. above ground.
At point of intersection,
Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground for closing cor. of secs. 19 and 24, ~~Frac. T.16 $\frac{1}{2}$ N., R.10 and 11 W.~~, with brass cap marked

T17NR10W
S. 32

S24 | S19
R11W | R10W
T16 $\frac{1}{2}$ N
CC
1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, S. of cor.
Land, rolling.
Soil, adobe and rocky; 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, yucca, cactus and grass.

Boundaries of Frac. T.16 $\frac{1}{2}$ N., R.10 W.
Latitudes, Departures and Closing Errors.

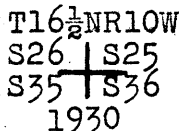
Lines designated	True Courses	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	S. 89° 52' W.	473.07		1.10		473.07
West Boundary	North	222.76	222.76			
North Boundary (4th Std. Par. N.)	East	322.57			322.57	
	North	6.38	6.38			
	East	150.89			150.89	
East Boundary	South	228.72		228.72		
Convergency					.23	
Totals			229.14	229.82	473.69	473.07
				229.14	473.07	
Error in latitude			0.68			
Error in departure					0.62	

Fractional
Survey of Subdivisions of T.16 $\frac{1}{2}$ N., R.10 W.

Chains From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp.,
 as described in Book "B" of this group,
 N. 0° 1' W., bet. secs. 35 and 36.
 Over mountainous land, through scattering undergrowth.
 Asc. 342 ft. over rocky SW. slope.
 12.20 Sharp rocky spur, slopes SE.; desc. 113 ft. over NE. slope.
 16.90 Ravine, course SE.; asc. 253 ft. over SE. slope.
 27.50 Point of spur, slopes E.
 34.00 Spur, slopes E.; desc. 91 ft. over NE. slope.
 40.00 The true point for $\frac{1}{4}$ sec. cor. of secs. 35 and 36, falls
 on sloping rock a place impracticable to set permanent
 mon.
 41.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone for
 witness cor. to $\frac{1}{4}$ sec. cor. of secs. 35 and 36, with brass
 cap marked

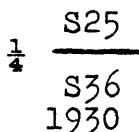


No bearing trees available.
 Desc. 211 ft. along E. slope.
 59.90 Gully, course E.; asc. 81 ft. along E. slope.
 70.20 Small spur, slopes E.; desc. 40 ft. along E. slope.
 76.10 Draw, course E.; asc. 80 ft. over SE. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone
 for cor. of secs. 25, 26, 35 and 36, with brass cap marked



No bearing trees available.
 Land, mountainous.
 Soil, rocky; 3rd rate.
 Timber, none.
 Undergrowth, scattering catclaw, oak, cactus, sage and grass.

 40.00 N. 89° 52' E., on a random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.32 Fall 2 lks. N. of the cor. of secs. 25, 30, 31 and 36 on E.
 bdy. of Tp., hereinbefore described,
 Thence
 S. 89° 53' W., on a true line, bet. secs. 25 and 36.
 Over rolling and mountainous land, through scattering
 undergrowth.
 18.24 Rim of mesa, bears NE. and SW.; desc. 631 ft. over steep
 N. slope.
 33.22 Spencer Creek, 30 lks. wide, (water in pools) course SW.
 Asc. 300 ft. over steep SE. slope.
 40.16 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground to bedrock, deposit a stone marked with a cross
 (X) at base of post, supported in a mound of stone for
 $\frac{1}{4}$ sec. cor. of secs. 25 and 36, with brass cap marked



No bearing trees available.
 Asc. 270 ft. over steep SE. slope.

Chains									
51.83	Rim of mesa, bears NE. and SW.; thence over level land.								
61.79	Rim of mesa, bears NE. and SW.; desc. 77 $\frac{1}{4}$ ft. over steep NW. slope.								
78.12	Spencer Creek, 30 lks. wide, (water in pools) course SW. Asc. 80 ft. over SE. slope.								
80.32	The cor. of secs. 25, 26, 35 and 36. Land, rolling and mountainous. Soil, adobe and rocky; 3rd rates. Timber, none, Undergrowth, scattering catclaw, yucca, cactus and grass.								

	N. 0° 1' W., bet. secs. 25 and 26. Over mountainous land, through scattering undergrowth. Asc. 551 ft. over SE. slope.								
21.20	Rim of mesa, bears SE. and SW.; thence over mesa land.								
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 25 and 26, with brass cap marked								
	$\frac{1}{4}$ <table style="margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S26</td> <td style="padding: 0 5px;">S25</td> </tr> <tr> <td colspan="2" style="text-align: center;">1930</td> </tr> </table>	S26	S25	1930					
S26	S25								
1930									
	No bearing trees available. Thence over rolling land.								
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 23, 24, 25 and 26, with brass cap marked								
	<table style="margin: auto;"> <tr> <td colspan="2" style="text-align: center;">T16$\frac{1}{2}$NR10W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S23</td> <td style="padding: 0 5px;">S24</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S26</td> <td style="padding: 0 5px;">S25</td> </tr> <tr> <td colspan="2" style="text-align: center;">1930</td> </tr> </table>	T16 $\frac{1}{2}$ NR10W		S23	S24	S26	S25	1930	
T16 $\frac{1}{2}$ NR10W									
S23	S24								
S26	S25								
1930									
	No bearing trees available. Land, mountainous and rolling. Soil, adobe and rocky; 2nd and 3rd rates. Timber, none. Undergrowth, scattering catclaw, cactus, yucca and grass.								

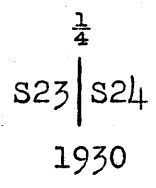
	N. 89° 53' E., on a random line, bet. secs. 24 and 25.								
40.00	Set temp. $\frac{1}{4}$ sec. cor.								
80.26	Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp. hereinbefore described. Thence, S. 89° 53' W., on a true line, bet. secs. 24 and 25. Over rolling mesa land, through scattering undergrowth. Along N. slope.								
16.00	Wash, 15 lks. wide, course NE.; asc. 245 ft. over E. slope.								
21.90	Wash, 10 lks. wide, course SE.								
40.13	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 24 and 25, with brass cap marked								
	<table style="margin: auto;"> <tr> <td style="border-bottom: 1px solid black; padding: 0 5px;">$\frac{1}{4}$</td> <td style="padding: 0 5px;">S24</td> </tr> <tr> <td style="padding: 0 5px;">S25</td> <td style="padding: 0 5px;"></td> </tr> <tr> <td colspan="2" style="text-align: center;">1930</td> </tr> </table>	$\frac{1}{4}$	S24	S25		1930			
$\frac{1}{4}$	S24								
S25									
1930									
	No bearing trees available. Asc. 45 ft. over E. slope.								

Chains
43.73
66.26
68.76
72.26
80.26

Broad flat spur ridge, bears N. and S.; desc. 200 ft. over W. slope.
Rim of cliffs, 40 ft. high, bears NE. and SW.; desc. 270 ft. over W. slope of cliffs.
Wash, 30 lks. wide, course SW.; asc. 250 ft. over cliffs.
Rim of cliffs, bears NE. and SW.; thence over level land.
The cor. of secs. 23, 24, 25 and 26.
Land rolling and mountainous.
Soil, adobe and rocky; 2nd and 3rd rates.
Timber, none.
Undergrowth, scattering catclaw, yucca and cactus.

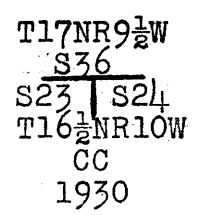
11.00
13.80
30.00
40.00

N.0°1'W., bet. secs. 23 and 24.
Over rolling land, through scattering undergrowth.
Wash, 5 lks. wide, course SE.; asc. 77 ft. over SE. slope.
Dim trail, bears E. and W.
Head of wash, course SE.; asc. 86 ft. over S. slope.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 23 and 24, with brass cap marked



55.00
63.00
68.94

No bearing trees available.
Asc. 126 ft. over S. slope.
Rolling ridge, bears NE. and SW.; asc. 44 ft. along W. slope.
Spur, slopes W.; thence along W. slope.
Intersect the Fourth Standard Parallel North, at a point 18.78 chs. E. of the standard $\frac{1}{4}$ sec. cor. of sec. 36 on S. bdy. of Frat. T.17 N., R.9 $\frac{1}{2}$ W., hereinbefore described.
At point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for closing cor. of secs. 23 and 24, T.16 $\frac{1}{2}$ N., R.10 W., with brass cap marked



No bearing trees available.
Land, rolling.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, cactus, yucca and grass.

21.85
40.00

From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., described in Book "B" of this group,
N.0°1'W., bet. secs. 34 and 35.
Over mountainous land, through scattering undergrowth.
Desc. 550 ft. over steep N. slope of cliffs.
Francis Creek, 150 lks. wide, course E.; asc. 387 ft. over S. slope.
Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs 34 and 35, with brass cap marked

Chains

 $\frac{1}{4}$

S34 | S35

1930

No bearing trees available.

- 40.80 Rocky spur, slopes SE.; asc. 455 ft. over SE. slope.
60.65 Head of gulch, course SE.; asc. 200 ft. over S. slope.
62.54 Rim of mesa, bears E. and W.; thence over rolling mesa land.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 26, 27, 34 and 35, with brass cap marked

T16 $\frac{1}{2}$ NR10W

S27 | S26

S34 | S35

1930

No bearing trees available.

Land, rolling and mountainous.

Soil, adobe and rocky; 2nd and 3rd rates.

Timber, none.

Undergrowth, scattering catclaw, cactus, yucca and grass.

- 40.00 N. 89°52'E., on a random line, bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.
80.10 Fall 15 lks. N. of the cor. of secs. 25, 26, 35 and 36.
Thence
S. 89°58'W., on a true line, bet. secs. 26 and 35.
Over mountainous land, through scattering undergrowth.
Asc. 543 ft. over SE. slope.
13.80 Rim of mesa, bears N. and S.; thence over level land.
40.05 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 26 and 35, with brass cap marked

S26

 $\frac{1}{4}$ ———

S35

1930

No bearing trees available.

- 42.59 Water pocket and salt lick, bears N. about 25.00 chs. dist.
Rim of box canyon, bears NW. and SW.; desc. 220 ft. over W. slope.
50.60 Wash in canyon, 30 lks. wide, course S.; asc. 180 ft. over steep E. slope.
60.40 Rim of box canyon, bears NE. and SW.; thence over rolling mesa land.
80.10 The cor. of secs. 26, 27, 34 and 35.
Land, mountainous and rolling.
Soil, adobe and rocky; 2nd and 3rd rates.
Timber, none.
Undergrowth, scattering catclaw, cactus and yucca.

- 27.50 N. 0°1'W., bet. secs. 26 and 27.
Over rolling mesa land, through scattering undergrowth.
Wash, 8 lks. wide, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 26 and 27, with brass cap marked

Survey of Subdivisions of Fractional T.16 $\frac{1}{2}$ N., R.10 W.

Chains	$\frac{1}{4}$ S27 S26 1930 No bearing trees available. 62.00 Wash, 8 lks. wide, course SE.; leave mesa, thence over rolling land. 69.00 Dim trail, bears SE. and NW. 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 22, 23, 26 and 27, with brass cap marked T16 $\frac{1}{2}$ NR10W S22 S23 S27 S26 1930 No bearing trees available. Land, rolling. Soil, adobe; 2nd rate. Timber, none. Undergrowth, scattering catclaw, cactus, yucca and grass.
40.00 79.98 35.47 39.99	N. 89° 58' E., on a random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor. Fall 2 lks. N. of the cor. of secs. 23, 24, 25 and 26. Thence S. 89° 59' W., on a true line, bet. secs. 23 and 26. Over rolling land, through scattering undergrowth. Wash, 30 lks. wide, course SE. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 23 and 26, with brass cap marked $\frac{1}{4}$ $\frac{S23}{S26}$ 1930 No bearing trees available. 41.57 Wash, 20 lks. wide, course SE.; asc. 20 ft. over E. slope. 43.97 Dim trail, bears NE. and SW. 56.97 Low spur, slopes SE.; thence along S. slope. 69.97 Spur, slopes SE.; desc. 63 ft. over SW. slope. 79.98 The cor. of secs. 22, 23, 26 and 27. Land, rolling. Soil, adobe; 2nd rate. Timber, none. Undergrowth, scattering catclaw, cactus, yucca and grass.
6.00 24.00 40.00	N. 0° 1' W., bet. secs. 22 and 23. Over rolling land, through scattering undergrowth. Asc. 20 ft. over SW. slope. Head of wash, course SW.; asc. 137 ft. over S. slope. Double spurs, slope SE. and SW.; thence along crest of ridge. Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 22 and 23, with brass cap marked

Survey of Subdivisions of Fractional T.16 1/2 N., R.10 W.

Chains

1/4
S22 | S23
1930

62.56 No bearing trees available.
Continue along crest of ridge.
Intersect the Fourth Standard Parallel North, at a point 9.26 chs. W. of the standard cor. of sec. 36 of T.17 N., R.10 W., hereinbefore described.
At point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for closing cor. of secs. 22 and 23, of T.16 1/2 N., R.10 W., with brass cap marked

T17NR10W
S36
S22 | S23
T16 1/2 NR10W
CC
1930

No bearing trees available.
Land, rolling.
Soil, adobe and rocky; 2nd and 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, yucca, cactus and grass.

10.00 From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp.,
described in Book "B" of this group,
N. 0° 2' W., bet. secs. 33 and 34.
Over rolling mesa land, through scattering undergrowth.
26.60 Rim of mesa, bears NE. and SW.; desc. 742 ft. over steep N.
slope.
Francis Creek, 50 lks. wide, course E.; asc. 363 ft. over S.
slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground to bedrock, deposit a stone marked with a cross
(X) at base of post, supported in a mound of stone, for
1/4 sec. cor. of secs. 33 and 34, with brass cap marked

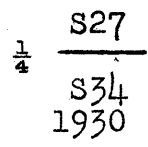
1/4
S33 | S34
1930

46.53 No bearing trees available.
Asc. 306 ft. over S. slope.
69.91 Rim of cliffs, bears E. and W.; thence over rolling land.
80.00 Rim of cliffs, bears SE. and NW.; desc. 359 ft. over NE. slope.
Set an iron post, 3 ft. long, 2 ins. diam., on solid rock,
deposit a stone marked with a cross (X) at base of post,
supported in a mound of stone, for cor. of secs. 27, 28, 33
and 34, with brass cap marked

T16 1/2 NR10W
S28 | S27
S33 | S34
1930

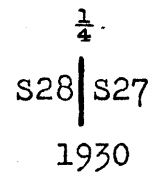
No bearing trees available.
Land, rolling.
Soil, adobe and rocky; 2nd and 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, scruboak, cactus and grass.

Chains N.89°52'E., on a random line, bet. secs. 27 and 34.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Fall 5 lks. N. of the cor. of secs. 26, 27, 34 and 35.
 Thence
 S.89°54'W., on a true line, bet. secs. 27 and 34.
 Over rolling mesa land, through scattering undergrowth.
 Desc. 105 ft. over gradual W. slope.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., on solid rock,
 deposit a stone marked with a cross (X) at base of post,
 supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs.
 27 and 34, with brass cap marked

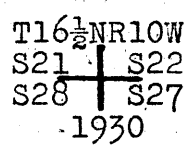


No bearing trees available.
 Desc. 60 ft. over NW. slope.
 47.48 Wash, 30 lks. wide, course SW.; asc. 80 ft. over SE. slope.
 53.77 Rim bears NW; and NE. Desc. 400 ft. over SW. slope.
 73.14 Gulch, course SE.; asc. 100 ft. over NE. slope.
 80.04 The cor. of secs. 27, 28, 33 and 34.
 Land, rolling and mountainous.
 Soil, adobe and rocky; 2nd and 3rd rate.
 Timber, none.
 Undergrowth, scattering scrub oak, catclaw, cactus and grass.

N.0°2'W., bet. secs. 27 and 28.
 Over mountainous land, through scattering undergrowth.
 Desc. 92 ft. over NE. slope.
 3.50 Gulch, course SE.; asc. 453 ft. over SW. slope.
 9.58 Rim of mesa, bears SE. and NW.; thence over rolling mesa
 land.
 32.70 Trail, bears E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground to bedrock, supported in a mound of stone for
 $\frac{1}{4}$ sec. cor. of secs. 27 and 28, with brass cap marked



No bearing trees available.
 Raise a mound of stone 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
 Desc. 27 ft. over NW. slope.
 43.57 Wash, 20 lks. wide, course SW.
 51.50 Rocky wash, 100 lks. wide, course SW.
 57.80 Same wash, 50 lks. wide course SE.; asc. 66 ft. over gradual
 S. slope.
 74.60 Stock trail, bears SE. and NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground for cor. of secs. 21, 22, 27 and 28, with brass cap
 marked



No bearing trees available.
 Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, adobe and rocky; 2nd and 3rd rate.
 Timber, none.
 Undergrowth, scattering, scrub oak, catclaw, cactus and grass.

Fractional

Survey of Subdivisions of T.16 $\frac{1}{2}$ N., R.10 W.

<p>Chains 40.00 80.02</p> <p>1.82 11.52 18.82 31.52 40.01</p> <p>42.12</p> <p>55.00 67.02 70.92 80.02</p> <p>40.00</p> <p>62.75</p>	<p>N.89°54'E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor. Fall 8 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence S.89°51'W., on a true line, bet. secs. 22 and 27. Over rolling land, through dense undergrowth. Desc. 9 ft. over SE. slope. Wash, 15 lks. wide, course S.; asc. 34 ft. over SW. slope. Spur, slopes S.; desc. 66 ft. over SE. slope. Rocky wash, course SW.; asc. 52 ft. over SE. slope. Spur, slopes SW.; desc. 58 ft. over SW. slope. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 22 and 27, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ <u>S22</u> <u>S27</u> 1930 </p> <p>No bearing trees available. Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, N. of cor. Desc. 23 ft. over SW. slope. Rocky wash, 20 lks. wide, course SW.; asc. 17 ft. over SE. slope. Spur, slopes SW.; desc. 57 ft. over NW. slope. Wash, 10 lks. wide, course SW. Wash, 15 lks. wide, course S.; asc. 23 ft. over NE. slope. The cor. of secs. 21, 22, 27 and 28. Land, rolling. Soil, rocky; 3rd rate. Timber, none. Undergrowth, scattering catclaw, scrub oak, cactus and grass.</p> <hr style="border-top: 1px dashed black;"/> <p>N.0°2'W., bet. secs. 21 and 22. Over rolling land, through scattering undergrowth. Asc. 183 ft. over gradual S. slope. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 21 and 22, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S21 S22 1930 </p> <p>No bearing trees available. Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor. Desc. 20 ft. along W. slope. Intersect the Fourth Standard Parallel North, at a point 9.32 chs. W. of the standard cor. of secs. 35 and 36, on the S. bdy. of T.17 N., R.10 W., which is an iron post, 2 ins. diam., firmly set in ground and mound of stone, and properly marked on brass cap. No bearing trees. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for closing cor. of secs. 21 and 22, of T.16$\frac{1}{2}$ N., R.10 W., with brass cap marked</p> <p style="text-align: center;"> T17NR10W S35 <hr style="width: 50%; margin: 0 auto;"/> S21 S22 T16$\frac{1}{2}$NR10W CC 1930 </p>
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Chains

No bearing trees available.
Land, rolling.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, scruboak, cactus, yucca and grass.

From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., described in Book "B" of this group,
N.0°2'W., bet. secs. 32 and 33.

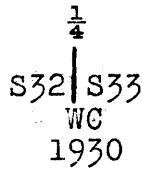
15.00 Over rolling mesa land, through scattering undergrowth.
Draw, 200 lks. wide, course SE.

29.73 Rim of mesa, bears SE. and NW.; desc. 588 ft. over steep rocky NE. slope.

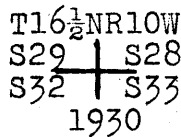
39.33 Francis Creek, 50 lks. wide, course SE.

40.00 The true point for $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls in Francis Creek wash, a place impracticable to set permanent mon.

41.33 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for witness cor. to $\frac{1}{4}$ sec. cor. of secs. 32 and 33, with brass cap marked



No bearing trees available.
Asc. 425 ft. over steep rocky SW. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for cor. of secs. 28, 29, 32 and 33, with brass cap marked



No bearing trees available.
Land, rolling and mountainous.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, scruboak, mahogany, cactus and grass.

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

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

Fall 12 lks. S. of the cor. of secs. 27, 28, 33 and 34.

Thence

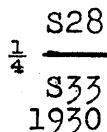
S.89°47'W., on a true line, bet. secs. 28 and 33.

Over rolling and mountainous land, through scattering undergrowth.

Asc. 342 ft. over NE. slope.

8.62 Rim of mesa, bears SE. and NW.; thence over mesa land.

39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 28 and 33, with brass cap marked



No bearing trees available.

Chains	Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. Rim of mesa, bears N. and S.; desc. 218 ft. over SW. slope. The cor. of secs. 28, 29, 32 and 33. Land, rolling and mountainous. Soil, adobe and rocky; 2nd and 3rd rates. Timber, none. Undergrowth, scattering catclaw, scruboak, cactus and grass.
75.78	
79.98	

	N. 0° 2' W., bet. secs. 28 and 29. Over mountainous land, through scattering undergrowth. Asc. 208 ft. over rocky SW. slope.
5.43	Rim of mesa, bears SE. and NW.; thence over mesa land. Desc. 35 ft.
26.90	Wash, 10 lks. wide, course W.; asc. 27 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 28 and 29, with brass cap marked
	$\frac{1}{4}$ S29 S28 1930
	No bearing trees available. Asc. 55 ft. over SW. slope.
58.70	Trail, bears N. and S.
75.00	Draw, course W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap marked.
	T16 $\frac{1}{2}$ NR10W S20 S21 S29 S28 1930
	No bearing trees available. Raise a mound of stone 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling and mountainous. Soil, adobe and rocky; 2nd and 3rd rates. Timber, none. Undergrowth, scattering catclaw, yucca cactus and grass.

	N. 89° 47' E., on a random line, bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec. cor.
40.00	Fall 12 lks. N. of the cor. of secs. 21, 22, 27 and 28. Thence
79.90	S. 89° 52' W., on a true line, bet. secs. 21 and 28. Over rolling land, through dense undergrowth. Desc. 17 ft.
8.10	Wash, 150 lks. wide, course SW.; asc. 52 ft. over gradual E. slope.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 21 and 28, with brass cap marked
	$\frac{1}{4}$ S21 ----- S28 1930
	No bearing trees available. Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. Trail, bears SE. and NW.
57.20	Trail, bears SE. and NW.
67.00	Trail, bears SE. and NW.

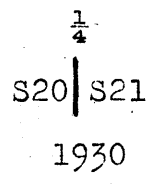
Survey of Subdivisions of Fractional T.16 1/2 N., R.10 W.

Chains
78.90
79.90

Wire fence, bears N. 61° W. and SE.
The cor. of secs. 20, 21, 28 and 29.
Land, rolling.
Soil, adobe and rocky; 3rd and 4th rates.
Timber, none.
Undergrowth, catclaw, scruboak, mahogany, cactus and grass.

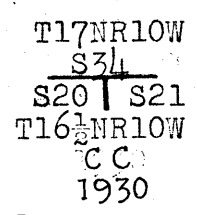
.83
10.00
10.60
36.75
40.00

N. 0° 2' W., bet. secs. 20 and 21.
Over rolling mesa land, through scattering undergrowth.
Wire fence, bears SE. and NW.
Trail, bears E. and W.
Wash, 10 lks. wide, course SW.; asc. 126 ft. over SW. slope.
Trail, bears E. and W.
Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for 1/4 sec. cor. of secs. 20 and 21, with brass cap marked



62.92

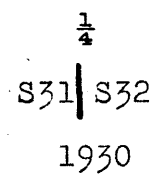
No bearing trees available.
Asc. 69 ft. along W. slope.
Intersect the Fourth Standard Parallel North, at a point 9.41 chs. dist., W. of the standard cor. of secs. 34 and 35 on S. bdy. of T. 17 N., R. 10 W., which is an iron post, 2 ins. diam., firmly set, in ground and mound of stone, and properly marked on brass cap. No bearing trees.
At point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 20 and 21. of T. 16 1/2 N., R. 10 W., with brass cap marked



No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 1/2 ft. high, S. of cor.
Land, rolling.
Soil, adobe; 2nd rate.
Timber, none.
Undergrowth, scattering catclaw, cactus, yucca and grass.

17.10
40.00

From the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp., described in Book "B" of this group.
N. 0° 3' W., bet. secs. 31 and 32.
Over rolling mesa land, through scattering undergrowth.
Draw, 50 lks. wide, course E.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor. of secs. 31 and 32, with brass cap marked



No bearing trees available.

Fractional
Survey of Subdivisions of T.16 $\frac{1}{2}$ N., R.10 W.

Chains 49.40 80.00	<p>Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high W. of cor. Draw, course N.70°E. Set an iron post, 3 ft. long, 2 ins. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for cor. of secs. 29, 30, 31 and 32, with brass cap marked</p> <p style="text-align: center;">T16$\frac{1}{2}$NR10W S30 + S29 S31 + S32 1930</p> <p>No bearing trees available. Land, rolling. Soil, adobe; 3rd rate. Timber, none. Undergrowth, scattering catclaw, oak, cactus and grass.</p> <p>-----</p>
40.00 80.06	<p>N.89°52'E., on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor. Fall 16 lks. N. of the cor. of secs. 28, 29, 32 and 33. Thence S.89°59'W., on a true line, bet. secs. 29 and 32. Over mountainous land, through scattering undergrowth.. Desc. 363 ft. over SW. slope.</p>
12.85	Francis Creek, 50 lks. wide, course SE.; asc. 572 ft. over NE. slope.
29.27 40.03	Rim of mesa, bears SE. and NW.; thence over mesa land. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 29 and 32, with brass cap marked
57.27	<p style="text-align: center;">S29 $\frac{1}{4}$----- S32 1930</p> <p>Raise a mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, N. of cor. No bearing trees available. The 52nd mile mon. on Mohave and Yavapai County Line, bears S.0°2'E., 36.34 chs. dist., which is a lava stone 16 x 16 x 6 ins. above ground, marked M on W. face, Y on SE. face and 52-1908 on N. face. set in a mound of stone. Asc. 91 ft. over gradual NE. slope.</p>
80.06	The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, rocky; 3rd rate. Timber, none. Undergrowth, scattering oak, mahogany, catclaw, yucca and grass.
40.00 73.04	<p>S.89°52'W., on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor. Fall 15 lks. S. of the cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp., hereinbefore described, Thence N.89°59'E., on a true line, bet. secs. 30 and 31. Over mountainous land, through scattering undergrowth. Rim of mesa, bears NE. and SW.; desc. 306 ft. over SE. slope. Gulch, course NE.; asc. 200 ft. over NW. slope.</p>
6.19 20.80 26.40 33.04	Rim of mesa, bears NE. and SW.; continue over mesa. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 30 and 31, with brass cap marked

Survey of Subdivisions of Fractional T.16 1/2 N., R.10 W.

Chains

S30
1/4
S31
1930

73.04

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 1/2 ft. high, N. of cor.
Desc. 41 ft. over gradual E. slope.
The cor. of secs. 29, 30, 31 and 32.
Land, rolling.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering scruboak, cactus, yucca and grass.

11.31
22.30
30.59
40.00

N. 0° 3' W., bet. secs. 29 and 30.
Over mountainous land, through scattering undergrowth.
Rim of mesa, bears E. and W.; desc. 422 ft. over NE. slope.
Gulch, course E.; asc. 363 ft. over SE. slope.
Rim of mesa, bears E. and W.; thence over rolling land.
Set an iron post, 3 ft. long, 1 in. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone, for 1/4 sec. cor. of secs. 29 and 30, with brass cap marked

1/4
S30 | S29
1930

52.10
61.79
76.74
80.00

No bearing trees available.
Rim of mesa, bears E. and E.; desc. 425 ft. over N. slope.
Francis Creek, 50 lks. wide, course SE.; asc. 380 ft. over SW. slope.
Rim of mesa, bears SE. and NW.; thence over mesa land.
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 19, 20, 29 and 30, with brass cap marked

T16 1/2 NR10W
S19 | S20
S30 | S29
1930

40.00
80.04

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 1/2 ft. high W. of cor.
Land, rolling and mountainous.
Soil, rocky; 3rd rate.
Undergrowth, scattering palo cristi, cactus, catclaw, yucca and grass.

12.98
30.00
40.02

N. 89° 59' E., on a random line, bet. secs. 20 and 29.
Set temp. 1/4 sec. cor.
Intersect the cor. of secs. 20, 21, 28 and 29.
Thence
S. 89° 59' W., on a true line, bet. secs. 20 and 29.
Over rolling mesa land, through scattering undergrowth.
Desc. 41 ft. over gradual W. slope.
Rocky wash, 20 lks. wide, course S.; asc. 18 ft.
Desc. 28 ft. over gradual W. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor. of secs. 20 and 29, with brass cap marked

Survey of Subdivisions of ^{Fractional} T.16 $\frac{1}{2}$ N., R.10 W.

Chains	
	S20 $\frac{1}{4}$ ——— S29 1930
	No bearing trees available. Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. Asc. 56 ft. over gradual E. slope.
55.00	Top of low ridge, bears SE. and NW.; desc. 51 ft. over SW. slope.
57.53	The 52nd, mile mon. on Mohave and Yavapai County Line, bears S. 0° 2' E., 116.32 chs. dist., hereinbefore described.
80.04	The cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, adobe and rocky; 3rd rate. Timber, none. Undergrowth, scattering catclaw, cactus, yucca and grass.

40.00	S. 89° 59' W., on a random line, bet. secs. 19 and 30.
72.97	Set temp. $\frac{1}{4}$ sec. cor. Fall 6 lks. S. of the cor. of secs. 19, 24, 25 and 30 on W. bdy. of Tp., hereinbefore described, Thence
	S. 89° 58' E., on a true line, bet. secs. 19 and 30.
	Over rolling land, through scattering undergrowth.
	Desc. 73 ft. over NE. slope.
7.60	Trail, bears SE. and NW.
14.05	Wire fence, bears N. 8° W., and S. 8° E.
19.70	Rocky wash, 50 lks. wide, course NE.
32.97	Set an iron post, 3 ft. long, 1 in. diam., on solid rock, deposit a stone marked with a cross (X) at base of post, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of secs. 19 and 30, with brass cap marked
	S19 $\frac{1}{4}$ ——— S30 1930
43.29	No bearing trees available. Rim of mesa, bears SE. and NW.; desc. 508 ft. over steep rocky NE. slope.
61.80	Francis Creek, 60 lks. wide, course SE.; asc. 490 ft. over steep SW. slope.
71.31	Rim of mesa, bears SE. and NW.; thence over mesa land.
72.97	The cor. of secs. 19, 20, 29 and 30. Land, rolling and mountainous. Soil, rocky; 3rd rate. Timber, none. Undergrowth, scattering catclaw, scruboak, cactus and grass.

	N. 0° 3' W., bet. secs. 19 and 20.
	Over rolling mesa land, through scattering undergrowth.
	Asc. 22 ft.
8.40	Desc. 100 ft. over NW. slope,
17.00	Rim of mesa, bears E. and W.
19.35	Wash, 20 lks. wide, course SW.; asc. 59 ft. over SE. slope.
25.80	Rim of mesa, bears NE. and SW.; thence over E. slope.
31.30	Trail, bears E. and W.
32.80	Head of gulch, course E.
35.30	Trail, bears E. and W.
36.63	Wire fence, bears S. 78° E., and N. 78° W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 19 and 20, with brass cap marked

Chains
49.50
53.50
62.88

$\frac{1}{4}$
S19 | S20
1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high W. of cor.
Asc. 29 ft. over SE. slope.
Trail, bears SE. and NW.
Top of ridge, bears NE. and SW.; desc. 120 ft. over NW. slope.
Intersect the Fourth Standard Parallel North, at a point
9.49 chs. West, from the standard cor. of secs. 33 and 34
on S. bdy. of T. 17 N., R. 10 W.; which is an iron post, 2 ins.
diam., firmly set in ground and mound of stone, and
properly marked on brass cap. No bearing trees.
At point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground for closing cor. of secs. 19 and 20, of T. 16 $\frac{1}{2}$ N.,
R. 10 W., with brass cap marked

T17NR10W
S33
S19 | S20
T16 $\frac{1}{2}$ NR10W
CC
1930

No bearing trees available.
Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high S. of cor.
Land, rolling.
Soil, rocky; 3rd rate.
Timber, none.
Undergrowth, scattering catclaw, yucca, cactus and grass.

GENERAL DESCRIPTION.

The surface of this fractional township is rolling and mountainous. The east range of sections is drained by Spencer Creek, course southerly. The remainder of the township is drained by Francis Creek, course southeasterly. The southwestern part of the township is on Goodwin Mesa. The soil is adobe and rocky, 2nd, 3rd and 4th rate, mainly 3rd rate. There is no timber. A scattering undergrowth is prevalent in all sections, consisting of catclaw, scrub oak, yucca and cactus, also several varieties of grasses. There is no permanent flowing stream of water and no springs. Spencer Creek at the time of survey contained scattered pools of water, but none were noted in Francis Creek. There are no settlers in this township and the only improvements are range fences. No roads traverse the township. There are no valuable mineral deposits. The Mohave-Yavapai County Boundary Line, bearing north and south, monumented at mile intervals, crosses thru the middle of the west halves of secs. 20, 29 and 32, thus placing the greater part of the township in Yavapai County.

BOOK 3901

CERTIFICATE OF UNITED STATES SURVEYOR

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 159 Arizona bearing date of the 24th day of June, 1929, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Fourth Standard Parallel North in Ranges 8, 9 and 9 1/2 West the East Boundary and Subdivision Lines of Fractional Township 16 1/2 North, Range 10 West of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer, for Group 159 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona.

Date: May 5, 1930.

William E. Hiester
U. S. Surveyor.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 18, 1931

The foregoing field notes of the survey of the 4th Standard Parallel North thru Ranges 8, 9 and 9 1/2 West the East and West Boundaries and Subdivision Lines of Fractional Township 16 1/2 North, Range 10 West of the Gila and Salt River Base and Meridian, in the State of Arizona executed by William E. Hiester, U. S. Surveyor & Charles E. Hunter, U. S. Transitman under special instructions dated June 24, 1929 for Group 159 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles E. Hunter
U. S. Supervisor of Surveys.

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

~~U. S. Supervisor of Surveys.~~